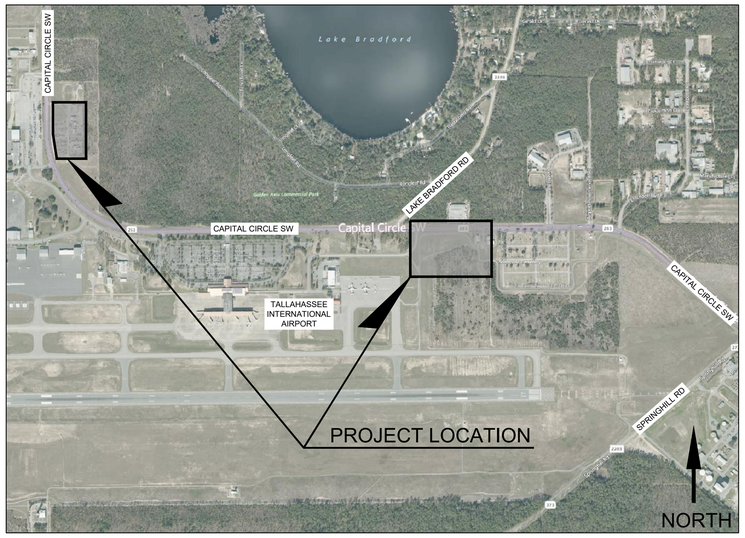
QUICK-TURNAROUND FACILITY
FOR
TALLAHASSEE INTERNATIONAL AIRPORT
TALLAHASSEE, FL

TALLAHASSEE INTERNATIONAL AIRPORT

CONSTRUCTION PLANS



VICINITY MAP
SEC. 16 & 17, TWP. 1S, RNG. 1W

BID DOCUMENTS

FLORIDA STATE STATUTE FS 553.842

THE CONTRACTOR SHALL MAKE AVAILABLE TO THE BUILDING INSPECTOR DOCUMENTATION NECESSARY TO VERIFY THAT ALL COMPONENTS REQUIRING PRODUCT APPROVAL PER FS 553.842 ARE IN COMPLIANCE WITH PRODUCT APPROVAL INSTALLATION REQUIREMENTS.

PROJECT TEAM

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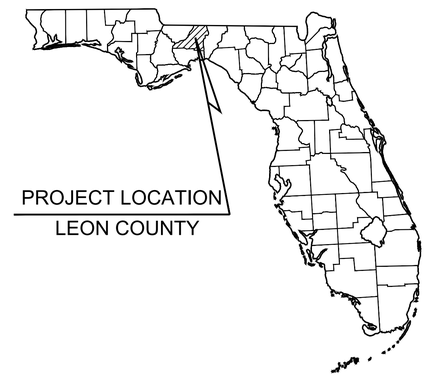
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PROJECT DATUM NAVD88

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LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
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DATE: ____

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY KDH
DRAWN BY MAC
CHECKED BY CAC

COVER SHEET

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
G000

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:COVER SHEET March 27, 2025 05:22:29pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\G000 COVER SHEET.dwg
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GENERAL SHEET LIST

SHEET NO.	SHEET TITLE
G000	COVER SHEET
G001	INDEX OF DRAWINGS
G002	GENERAL NOTES
G003	GENERAL NOTES
G004	SAFETY AND SECURITY NOTES
G005	CONTRACT LAYOUT AND HAUL ROUTE PLAN
G006	MAINTENANCE OF TRAFFIC
G007	AIRSPACE SURFACE PROTECTION PLAN
G100	PROJECT PHASING PLAN

LIFE SAFETY SHEET LIST

SHEET NO.	SHEET TITLE
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LS100B	GENERAL NOTES
LS100C	GENERAL NOTES

CIVIL SHEET LIST

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C000	KEY SHEET
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C102	EXISTING CONDITIONS
C103	EXISTING CONDITIONS
C201	DEMOLITION PLAN
C202	DEMOLITION PLAN
C203	DEMOLITION PLAN
C301	EROSION CONTROL PLAN
C302	EROSION CONTROL PLAN
C303	EROSION CONTROL PLAN
C354	EROSION CONTROL DETAILS
C400	SITE PLAN
C401	STAKING AND PAVING PLAN
C402	STAKING AND PAVING PLAN
C403	STAKING POINT TABLES
C404	CONCRETE JOINT LAYOUT PLAN
C405	CONCRETE JOINT LAYOUT PLAN
C406	CONCRETE JOINT LAYOUT PLAN
C407	CONCRETE JOINT LAYOUT PLAN
C408	CONCRETE JOINT LAYOUT PLAN
C409	CONCRETE JOINT LAYOUT PLAN
C451	TYPICAL SECTIONS
C452	TYPICAL SECTIONS
C453	PAVING AND SITE DETAILS
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C455	FUEL TANK ENCLOSURE DETAILS
C456	CONCRETE PAVING DETAILS
C457	CONCRETE JOINT DETAILS
C458	AIRFIELD FENCING DETAILS
C459	QTA FENCING DETAILS
C460	SWING GATE DETAILS
C461	CRASH GATE DETAILS
C462	CRASH GATE DETAILS
C463	CANTILEVER SLIDE GATE DETAILS
C464	PEDESTRIAN GATE DETAILS
C465	QTA ACCESS CONTROL DETAILS
C600	CIRCULATION PLAN
C601	SIGNAGE AND MARKING PLAN
C602	SIGNAGE AND MARKING PLAN
C650	SIGNAGE AND MARKING DETAILS
C701	GRADING AND DRAINAGE PLAN
C702	GRADING AND DRAINAGE PLAN
C703	DRAINAGE DETAILS
C751	QTA CROSS SECTIONS
C752	QTA CROSS SECTIONS
C753	QTA CROSS SECTIONS
C754	QTA CROSS SECTIONS
C755	QTA CROSS SECTIONS
C801	UTILITY PLAN
C802	UTILITY PLAN
C803	PROFILE AND COVERAGE

LANDSCAPING SHEET LIST

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L003	PLANTING PLAN
L004	PLANTING DETAILS
L005	PLANTING DETAILS

IRRIGATION SHEET LIST

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IR002	IRRIGATION PLAN
IR003	IRRIGATION PLAN
IR004	IRRIGATION PLAN

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A030	DOOR DETAILS
A031	DOOR DETAILS & DOOR SCHEDULE
A040	WINDOW DETAILS
A100	OVERALL SITE PLAN
A110A	SLAB PLAN - BUILDING A
A110B	SLAB PLAN - BUILDING B
A110C	SLAB PLAN - BUILDING C
A120A	BUILDING FLOOR PLAN - BUILDING A
A120B	BUILDING FLOOR PLAN - BUILDING B
A120C	BUILDING FLOOR PLAN - BUILDING C
A130A	FINISH FLOOR PLAN - BUILDING A
A130B	FINISH FLOOR PLAN - BUILDING B
A130C	FINISH FLOOR PLAN - BUILDING C
A140A	ROOF PLAN - BUILDING A
A140B	ROOF PLAN - BUILDING B
A140C	ROOF PLAN - BUILDING C
A150A	REFLECTED CEILING PLAN - BUILDING A
A150B	REFLECTED CEILING PLAN - BUILDING B
A150C	REFLECTED CEILING PLAN - BUILDING C
A200	BUILDING 'A' ELEVATIONS
A201	BUILDING 'A' ELEVATIONS
A202	BUILDING 'B' ELEVATIONS
A203	BUILDING 'B' ELEVATIONS
A204	BUILDING 'C' ELEVATIONS
A205	BUILDING 'C' ELEVATIONS
A300A	BUILDING SECTIONS - BUILDING A
A300B	BUILDING SECTIONS - BUILDING B
A300C	BUILDING SECTIONS - BUILDING C
A301	FUELING CANOPY SECTIONS - BUILDINGS A, B, AND C
A400A-1	ENLARGED FLOOR PLANS - BUILDING A
A400B-1	ENLARGED FLOOR PLANS - BUILDING B
A400B-2	ENLARGED FLOOR PLANS - BUILDING B
A400C	ENLARGED FLOOR PLANS - BUILDING C
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A404	TYPICAL ENLARGED RESTROOM ELEVATIONS
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A411	WALL SECTIONS
A412	WALL SECTIONS
A420	WALL SECTIONS
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A512	TYPICAL CMU WALL DETAILS
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S002	ABBREVIATIONS & LEGENDS
S003	STRUCTURAL LOADING
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S100C	FOUNDATION PLAN - BUILDING C
S101A	SLAB-ON-GRADE PLAN - BUILDING A
S101B	SLAB-ON-GRADE PLAN - BUILDING B
S101C	SLAB-ON-GRADE PLAN - BUILDING C
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S102C	ROOF FRAMING PLAN - BUILDING C
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S520	MASONRY DETAILS
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P003	SCHEDULES
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P102	THREE BAY FLOOR PLAN -WASTE & VENT - BUILDING A
P103	THREE BAY FLOOR PLAN -SUPPLY - BUILDING B
P104	THREE BAY FLOOR PLAN -WASTE & VENT - BUILDING B
P105	TWO BAY FLOOR PLAN -SUPPLY - BUILDING C
P106	TWO BAY FLOOR PLAN -WASTE & VENT - BUILDING C
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P202	THREE BAY ROOF PLAN - BUILDING B
P203	TWO BAY ROOF PLAN - BUILDING C
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P402	RISER DIAGRAMS
P501	DETAILS
P502	DETAILS

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SHEET NO.	SHEET TITLE
M001	GENERAL NOTES, LEGENDS & SCHEDULES
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M101	THREE BAY FLOOR PLAN - BUILDING A
M102	THREE BAY FLOOR PLAN - BUILDING B
M103	TWO BAY FLOOR PLAN - BUILDING C
M201	THREE BAY ROOF PLAN - BUILDING A
M202	THREE BAY ROOF PLAN - BUILDING B
M203	TWO BAY ROOF PLAN - BUILDING C
M301	SECTIONS
M501	DETAILS
M502	DETAILS
M701	CONTROLS

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E103	LIGHTING FLOOR PLAN - BUILDING C
E201	POWER FLOOR PLAN - BUILDING A
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E203	POWER FLOOR PLAN - BUILDING C
E204	ELECTRICAL ROOF PLAN - BUILDING A
E205	ELECTRICAL ROOF PLAN - BUILDING B
E206	ELECTRICAL ROOF PLAN - BUILDING C
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E301	GROUNDING RISER
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E401	PANEL SCHEDULES
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E403	PANEL SCHEDULES
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E501	DETAILS
E502	DETAILS - LIGHTNING PROTECTION

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T002	SECURITY PLAN
T003	SECURITY PLAN DETAIL
T003A	SECURITY PLAN DETAIL
T004	SECURITY DETAILS
T005	SECURITY DETAILS

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FG103	TWO BAY FLOOR PLAN - BUILDING C
FG201	THREE BAY ROOF PLAN - BUILDING A
FG202	THREE BAY ROOF PLAN - BUILDING B
FG203	TWO BAY ROOF PLAN - BUILDING C
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FG302	RISER DIAGRAMS
FG501	DETAILS

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QC001	CARWASH SYSTEMS GENERAL NOTES AND DESCRIPTION
QC100A	QTA BUILDING A CARWASH EQUIPMENT PLAN
QC100B	QTA BUILDING B CARWASH EQUIPMENT PLAN
QC100C	QTA BUILDING C CARWASH EQUIPMENT PLAN
QC300	CARWASH BAY ELEVATION
QC600	CARWASH SYSTEM EQUIPMENT SCHEDULE
QC700	CARWASH SYSTEM PIPING AND INSTRUMENTATION DIAGRAM
QC701	CARWASH SYSTEM PIPING AND INSTRUMENTATION DIAGRAM
QC702	CARWASH SYSTEM ELECTRICAL BLOCK DIAGRAM
QE001	ELECTRICAL SYMBOLS
QE002	ELECTRICAL GENERAL NOTES AND ABBREVIATIONS
QE100	FUELING SYSTEM OVERALL ELECTRICAL PLAN
QE100A	FUELING SYSTEM QTA BUILDING A ELECTRICAL PLAN
QE100B	FUELING SYSTEM QTA BUILDING B ELECTRICAL PLAN
QE100C	FUELING SYSTEM QTA BUILDING C ELECTRICAL PLAN
QE100T	FUELING SYSTEM TANK AREA ELECTRICAL PLAN
QE101B	FUELING SYSTEM QTA BUILDING B ELECTRICAL ROOM PLAN
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QE600	FUELING SYSTEM ELECTRICAL PANEL SCHEDULES
QE601	FUELING SYSTEM ELECTRICAL CONDUIT SCHEDULE
QE700	ELECTRICAL ONE-LINE DIAGRAMS
QE701	FUEL MANAGEMENT SYSTEM BLOCK DIAGRAM
QE702	PUMPS CONTROL BLOCK DIAGRAM
QE703	LEAK DETECTION AND TANK MONITOR BLOCK DIAGRAM
QE704	AREA CLASSIFICATION DIAGRAM
QFS001	FUELING SYSTEM GENERAL NOTES AND LEGEND
QFS100	FUELING SYSTEM OVERALL PIPING PLAN
QFS100A	FUELING SYSTEM QTA BUILDING A PIPING PLAN
QFS100B	FUELING SYSTEM QTA BUILDING B PIPING PLAN
QFS100C	FUELING SYSTEM QTA BUILDING C PIPING PLAN
QFS100T	FUELING SYSTEM TANK AREA PIPING PLAN
QFS101	FUELING SYSTEM SIGNAGE PLAN
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QFS500	FUELING SYSTEM DETAILS
QFS501	FUELING SYSTEM SIGNAGE DETAILS
QFS502	FUELING SYSTEM DETAILS
QFS503	FUELING SYSTEM DETAILS
QFS504	FUELING SYSTEM DETAILS
QFS600	FUELING SYSTEM EQUIPMENT SCHEDULE
QFS601	FUELING SYSTEM EQUIPMENT SCHEDULE
QFS602	FUELING SYSTEM EQUIPMENT SCHEDULE
QFS700	FUELING SYSTEM PIPING AND INSTRUMENTATION DIAGRAM
QM001	MAINTENANCE SYSTEMS GENERAL NOTES AND DESCRIPTION
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QM100B	MAINTENANCE SYSTEMS QTA BUILDING B PIPING PLAN
QM100C	MAINTENANCE SYSTEMS QTA BUILDING C PIPING PLAN
QM300A	MAINTENANCE SYSTEMS QTA BUILDING A - EAST ELEVATION
QM300B	MAINTENANCE SYSTEMS QTA BUILDING B - EAST ELEVATION
QM300C	MAINTENANCE SYSTEMS QTA BUILDING C - EAST ELEVATION
QM500	COMPRESSED AIR AND WWF SYSTEM DETAILS
QM501	VACUUM SYSTEM DETAILS
QM502	LUBRICATION SYSTEM DETAILS
QM600	MAINTENANCE SYSTEMS EQUIPMENT SCHEDULE
QM601	MAINTENANCE SYSTEMS EQUIPMENT SCHEDULE
QM602	MAINTENANCE SYSTEMS EQUIPMENT SCHEDULE
QM700	MAINTENANCE SYSTEMS PIPING AND INSTRUMENTATION DIAGRAM
QM701	MAINTENANCE SYSTEMS PIPING AND INSTRUMENTATION DIAGRAM

BID ALTERNATE

SHEET NO.	SHEET TITLE
B100	BID ALT 1 - SITE PLAN AND PANEL SCHEDULE
B101	BID ALT 1 - SINGLE LINE DIAGRAM
B102	BID ALT 1 - SINGLE LINE DIAGRAM

No.	REVISIONS	DATE	BY

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CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
88587
DATE: ——

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

INDEX OF DRAWINGS

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
G001

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:G001 INDEX OF DRAWINGS March 27, 2025 05:22:38pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\G001 INDEX OF DRAWINGS.dwg
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GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2021" AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION SURVEY
3. THE CONTRACTOR SHALL CONFIRM WITH OWNER THE GOPHER TORTOISE AND COMMENSAL SURVEY IS COMPLETED PER THE ENVIRONMENTAL IMPACT ASSESSMENT DOCUMENT PRIOR TO START OF CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.
5. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. AN APPROXIMATE LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
9. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
10. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
11. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
12. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
14. ANY CONSTRUCTION ADJACENT TO A WETLAND AREA SHALL BE PERFORMED FROM THE UPLAND SIDE OF THE AREA. CONSTRUCTION ENCROACHMENT INTO A WETLAND AREA IS NOT ALLOWED UNLESS PERMITTED BY THE JURISDICTIONAL AGENCY.
15. THE CONTRACTOR SHALL PROVIDE A FULL-TIME ON-SITE SUPERVISOR FOR THE DURATION OF THE PROJECT. FOR OTHER REQUIREMENTS REFER TO THE PROJECT SPECIFICATIONS.
16. NIGHTTIME CONSTRUCTION LIGHTING: THE CONTRACTOR SHALL PROVIDE SUFFICIENT LIGHTING CAPABLE OF FULLY ILLUMINATING THE WORK AREA. THE CONTRACTOR SHALL COORDINATE THE DIRECTION AND ANGLE OF THE LIGHTS WITH THE OWNER TO PREVENT IMPAIRING THE VISION OF AIRCRAFT OPERATIONS AND THE FAA AIR TRAFFIC CONTROL TOWER.
17. THE CONTRACTOR SHALL COORDINATE THE WORK OF THIS PROJECT WITH THE OWNER, ALL TENANTS, OTHER CONTRACTORS AND OTHER ONGOING PROJECTS AT THE AIRPORT AS REQUIRED. ALL COSTS SHALL BE INCIDENTAL.
18. MAINTENANCE OF TRAFFIC WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL PUBLIC AND AIRPORT ROADS ARE TO REMAIN OPEN UNLESS SPECIFICALLY STATED IN THE CONTRACT DOCUMENTS. ALL MAINTENANCE OF TRAFFIC SHALL BE APPROVED BY THE OWNER.
19. HAUL ROUTES: LOCATION OF HAUL ROUTES ON THE AIRPORT SITE SHALL BE AS SPECIFIED ON SHEET G005 OR AS APPROVED BY THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. THE BEFORE AND AFTER CONDITION OF ON-SITE HAUL ROUTES SHALL BE JOINTLY EXAMINED AND CONDITION DETERMINED BY THE CONTRACTOR AND THE OWNER. FENCING, DRAINAGE, GRADING AND OTHER MISCELLANEOUS CONSTRUCTION REQUIRED TO CONSTRUCT TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE OWNER PRIOR TO THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO HAUL ROUTES RESULTING FROM CONSTRUCTION TRAFFIC. HAUL ROADS ARE TO REMAIN CLEAN AT ALL TIMES. ALL COSTS ARE TO BE INCLUDED IN MOBILIZATION.
20. THE CONTRACTOR'S USE OF THE HAUL ROUTE AND ACCESS ROAD SHALL IN NO WAY HINDER THE SAFE AND UNOBSTRUCTED FLOW OF PUBLIC OR AIRPORT TRAFFIC. AIRCRAFT WILL HAVE THE RIGHT OF WAY AT ALL TIMES.
21. ACCESS ROUTES WILL BE CLEANED CONTINUOUSLY THROUGHOUT THE WORK SHIFT AND AT THE END OF THE SHIFT. VACUUM TRUCK/SWEEPER COMBO AND OPERATORS WILL REMAIN AT THE SITE UNTIL THE AREA IS ACCEPTED BY THE OWNER AND AIRPORT OPERATIONS FOR START OF AIRCRAFT OPERATIONS OR CONTINUED USE OF VEHICULAR TRAFFIC.
22. CONSTRUCTION LIMITS: ALL CONTRACTOR VEHICLES AND TRAFFIC SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. ABSOLUTELY NO CONTRACTOR VEHICLES WILL BE ALLOWED ON OTHER AIRFIELD OPERATIONS AREAS.
23. ALL CONSTRUCTION EQUIPMENT SHALL HAVE APPROPRIATE FLAGS AND MARKINGS PER FAA AC 150/5210-5D "PAINTING, MARKING AND LIGHTING OF VEHICLES USED ON AN AIRPORT". FLAGS SHALL BE REPLACED AS REQUESTED BY THE OWNER AT NO ADDITIONAL COST.
24. THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES A SECURED AIR OPERATIONS AREA (AOA). THIS SHALL INCLUDE THE TEMPORARY FENCING AND NECESSARY ACCESS GATES. ACCESS GATES TO THE AOA LOCATIONS SHALL BE AS SHOWN ON THE PLANS OR APPROVED BY THE OWNER.
25. WORK AREA CLEANLINESS: THE WORK AREA IS IN VERY CLOSE PROXIMITY TO ACTIVE AIRCRAFT OPERATIONS. THE AIRCRAFT'S JET ENGINES ARE SUSCEPTIBLE TO INTAKE OF MATERIAL FROM PAVEMENT AND OTHER SURFACES WHICH COULD CAUSE DAMAGE TO THE AIRCRAFT. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO ENSURE THE SITE IS CLEAN AND FREE OF DEBRIS AT ALL TIMES. UPON COMPLETION OF A DAY'S WORK, THE CONTRACTOR SHALL INSPECT THE PROJECT LIMITS IN THE IMMEDIATE VICINITY OF THE DAY'S WORK AREA FOR DEBRIS PRIOR TO LEAVING THE SITE. ANY DEBRIS SHALL BE REMOVED FROM THE SITE. PAYMENT FOR THIS WORK SHOULD BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL COMPENSATION WILL BE MADE FOR CLEANING EFFORTS.
26. THE CONTRACTOR SHALL ENDEAVOR TO PROTECT PRIVATE PROPERTY. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF HIS WORK SHALL BE CORRECTED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.

DEMOLITION NOTES

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
2. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND TREE INVENTORY PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
4. CONTRACTOR SHALL ADJUST GRADE OF ANY EXISTING UTILITIES TO REMAIN.
5. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION PERMITS.
6. ANY EXISTING TURF AREA DISTURBED OUTSIDE THE LIMITS OF WORK, AS A RESULT OF THE CONTRACTOR'S WORK EFFORT SHALL BE SODDED AT THE OWNER'S DISCRETION IN ACCORDANCE WITH THIS CONTRACT AT THE CONTRACTOR'S EXPENSE
7. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.

RECORD DRAWINGS

1. CONTRACTOR SHALL PROVIDE TO THE ENGINEER AND OWNER AN ADOBE PDF OF A PAVING, GRADING AND DRAINAGE RECORD DRAWING AND A SEPARATE UTILITY RECORD DRAWING, AS WELL AS BOTH IN AUTOCAD 2018 OR LATER, BOTH PREPARED BY A FLORIDA REGISTERED SURVEYOR. A MINIMUM OF 10 HARD COPIES SHALL BE PROVIDED AT THE REQUEST OF THE OWNER. THE RECORD DRAWINGS SHALL VERIFY ALL DESIGN INFORMATION INCLUDED ON THE DESIGN PLANS OF THE SAME NAME.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

PAVING, GRADING AND DRAINAGE NOTES

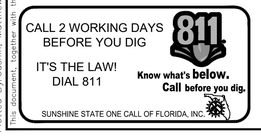
1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN JURISDICTION'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
2. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.
3. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
4. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
5. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
6. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
7. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
8. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL SUBMIT DEWATERING PLAN TO THE ENGINEER FOR APPROVAL.
9. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
10. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED OR SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.
11. ALL CUT OR FILL SLOPES SHALL BE 3 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
13. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
14. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
15. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
16. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
17. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS OR CONTRACT DOCUMENTS.

MAINTENANCE OF TRAFFIC

1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT FDOT DESIGN STANDARD INDEX (SERIES 600) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. THE CONTRACTOR'S USE OF THE HAUL ROUTE AND ACCESS ROAD SHALL IN NO WAY HINDER THE SAFE AND UNOBSTRUCTED FLOW OF PUBLIC OR AIRPORT TRAFFIC. AIRCRAFT WILL HAVE THE RIGHT OF WAY AT ALL TIMES.
3. TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY APPLICABLE MAINTENANCE OF TRAFFIC PERMITS.

WATER AND SEWER UTILITY NOTES

1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
2. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.
3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.
4. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.
5. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.
7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
8. UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR PRIOR TO BACK FILLING.
9. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.



No.	REVISIONS	DATE	BY

Kimley»Horn

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LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
88587
DATE: ——

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DATE	JAN 2025
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DRAWN BY	TLB
CHECKED BY	CAC

GENERAL NOTES

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
G002

Plotted By:Coghlin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:G002 GENERAL NOTES March 27, 2025 05:22:46pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\G002 GENERAL NOTES.dwg
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EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.
5. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
7. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
13. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.
14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS. REFER TO SECTION 981 OF THE STANDARD SPECIFICATIONS FOR SEEDING AND MAINTENANCE REQUIREMENTS.
15. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
16. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
18. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
19. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
20. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.
21. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

22. ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

(A) INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

(B) ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED. FOR MAINTENANCE REQUIREMENTS REFER TO SECTION 981 OF THE STANDARD SPECIFICATIONS.

(C) SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

(D) THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

(E) THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

(F) OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 55 CUBIC YARDS / ACRE.

(G) ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

(H) TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT FDOT DESIGN STANDARD INDEX (SERIES 600) AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

CALL 2 WORKING DAYS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

811 Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CONTRACTOR NOTICE 2023 (EFFECTIVE DECEMBER 31, 2023)

THE CONTRACTOR & OWNER WILL BE HELD ACCOUNTABLE DURING CONSTRUCTION FOR ALL SITE IMPROVEMENTS. COMPLIANCE WITH FLORIDA STATUTES 553.5041 (F.S.), AND THE 2023 FLORIDA BUILDING CODE, ACCESSIBILITY, 8TH EDITION (FBC-A), IS MANDATORY. IF NON-COMPLIANT AT FINAL INSPECTION, CONTRACTOR WILL BE REQUIRED TO MODIFY CONSTRUCTION TO COMPLY WITH F.S. FBC-A & FBC-B. THE FOLLOWING ITEMS TAKE PRECEDENCE AND SUPERSEDE OTHER SITE DETAILS ON DRAWINGS:

1. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON AN ACCESSIBLE ROUTE NO LESS THAN 44" WIDE SO THAT USERS WILL NOT BE COMPELLED TO WALK OR WHEEL BEHIND PARKED VEHICLES EXCEPT BEHIND HIS OR HER OWN VEHICLE. RE: §208.3 & §502.3, FBC-A AND F.S. 553.5041.
2. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE FROM THE ACCESSIBLE (H/C) PARKING TO AN ACCESSIBLE ENTRANCE. §208.3.1 FBC-A & F.S. 553.5041(5)(B).
3. ACCESSIBLE PARKING SPACES SHALL BE 12 FT WIDE & OUTLINED WITH BLUE PAINT. §502.2 & §502.6 FBC-A
4. ACCESS AISLES REQUIRED ADJACENT TO PARKING SPACES SHALL BE 5 FT WIDE WITH DIAGONAL STRIPING. §502.3.1, FBC-A
5. ACCESSIBLE PARKING AND ACCESS AISLES SHALL BE LEVEL (NOT TO EXCEED 1:48) ON A STABLE, FIRM & SLIP RESISTANT SURFACE. RE: §302.1 & §502.4. FBC-A
6. ACCESSIBLE PARKING IDENTIFICATION SIGNS SHALL BE FDOT APPROVED AND SHALL READ "PARKING BY DISABLED PERMIT ONLY" AND SHALL INDICATE A $250 FINE FOR ILLEGAL USE. INSTALL SIGNS A MINIMUM 60 INCHES FROM THE GROUND TO THE BOTTOM OF THE SIGN(S). RE: §502.6 FBC-A AND F.S 553.5041.
7. CURB RAMPS SHALL NOT EXCEED 1:12 SLOPE, AND CURB RAMP FLARES SHALL NOT EXCEED 1:10 SLOPE. CURB RAMPS AND FLARED SIDES SHALL NOT ENCROACH UPON PARKING SPACES, ACCESS AISLES, OR VEHICULAR TRAFFIC LANES. THE COUNTER SLOPE OF ADJACENT ROAD SURFACES & GUTTERS SHALL NOT EXCEED 1:20. RE: §405.2 & §406., FBC-A
8. CURB RAMPS SHALL HAVE A LANDING WITH A MINIMUM CLEAR LENGTH AND WIDTH OF 36" SHALL BE LOCATED AT THE TOP SIDE OF EACH CURB RAMP, A CLEAR WIDTH AT LEAST AS WIDE AS THE CURB RAMP (EXCLUDING FLARED SIDES) LEADING TO IT. EXCEPTION: FOR ALTERATIONS, WHERE THERE IS NO LANDING, CURB RAMP FLARES SHALL BE PROVIDED, AND SHALL NOT BE STEEPER THAN 1:12 SLOPE. RE: §406.4 FBC-A
9. ALL RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL PROVIDE EDGE PROTECTION COMPLYING WITH §405.9 FAC-A. RAMPS SHALL HAVE 60 INCHES MIN LEVEL LANDINGS AT THE TOP & BOTTOM. RE: §405.7. FBC-A.
10. ALL RAMPS WITH A RISE GREATER THAN 6" SHALL HAVE HANDRAILS ON BOTH SIDES WITH 12" HORIZONTAL EXTENSIONS AT THE TOP & BOTTOM OF THE RAMP. MAXIMUM RISE OF A RAMP RUN IS 30 INCHES ON AN ACCESSIBLE ROUTE. RE: §1012.8 FBC-B (FLORIDA BUILDING CODE - BUILDING) AND §505.10 FBC-A.
11. ACCESSIBLE ROUTES TO "MAIN ENTRY" FROM AN ACCESSIBLE PARKING SPACE, AND FROM THE "PUBLIC WAY", SHALL NOT EXCEED 1:20 SLOPE UNLESS RAMPS WITH PROPER HANDRAILS & HANDRAIL EXTENSIONS ARE PROVIDED AND WITH A CROSS SLOPE NOT IN EXCESS OF 1:48. RE: §206, §402 AND §403., FBC-A.
12. *CONNECT BUILDINGS WITHIN THE SAME SITE WITH AN ACCESSIBLE ROUTE WHICH SHALL NOT EXCEED 1:20 SLOPE (UNLESS RAMPS AND HANDRAILS ARE PROVIDED) AND A MAXIMUM CROSS SLOPE OF 1:48. RE: §206 FBC-A.

*EXCEPTION: AN ACCESSIBLE ROUTE SHALL NOT BE REQUIRED BETWEEN ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES IF THE ONLY MEANS OF ACCESS BETWEEN THEM IS A VEHICULAR WAY NOT PROVIDING PEDESTRIAN ACCESS. RE: §206.2.2 FBC-A

DESIGN STANDARDS:

FDOT	SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FY 2024-2025
FDOT	STANDARD PLANS, FY 2024-2025
FDOT	MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE OF STREETS AND HIGHWAYS (GREEN BOOK)
FAA	ADVISORY CIRCULAR 150/5370-2G (OR LATEST VERSION)
COT	TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, LATEST EDITION
MUTCD	CURRENT EDITION

No.	REVISIONS	DATE	BY

Kimley»Horn

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WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER 88587
DATE: ____

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

GENERAL NOTES

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
G003

Plotted By: Coghlin, Matthew Sheet Set: TLH QUICK-TURNAROUND FACILITY Layout: G004 SAFETY AND SECURITY NOTES March 27, 2025 05:22:53pm K:\TAL_Aviation_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\G004 SAFETY AND SECURITY NOTES.dwg
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SAFETY NOTES

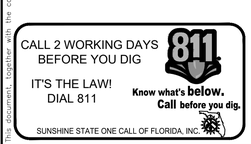
1. THE PLANS AND SAFETY NOTES ARE NOT IN ANY WAY INTENDED TO IMPLY OR PROVIDE ANY DIRECTION REGARDING THE CONTRACTOR'S OWN CONSTRUCTION WORKFORCE SAFETY. THE CONTRACTOR'S SAFETY REQUIREMENTS/ACCOMMODATIONS ASSOCIATED WITH THE PROJECT CONSTRUCTION WORKFORCE IS SOLELY AND ENTIRELY THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE CONTRACTOR SHALL ACQUAINT ITS SUPERVISORS AND EMPLOYEES OF THE AIRPORT ACTIVITY AND OPERATIONS THAT ARE INHERENT TO THIS ACTIVE AIRPORT AND SHALL CONDUCT ITS CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE REQUIREMENTS AND EMERGENCY, TRAFFIC REQUIREMENTS AND GUIDELINES ON SAFETY SPECIFIED IN THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL TAKE NECESSARY ACTION AT ALL TIMES TO PROTECT THE PUBLIC, AND MAINTAIN AIRCRAFT AND VEHICULAR TRAFFIC.
4. THE CONTRACTOR SHALL CONFORM TO FAA ADVISORY CIRCULAR 150/5370-LATEST ADDITION, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BRIEF ALL OF THE SUBCONTRACTOR'S AND CONTRACTOR'S EMPLOYEES ON THE FAA OPERATING AND SAFETY REQUIREMENTS.
5. THE CONTRACTOR IS DIRECTED TO COMPLY WITH AND ACQUAINT HIS/HER EMPLOYEES WITH THE FOLLOWING SAFETY GUIDELINES, RELATED MATERIALS AND FAA ADVISORY CIRCULARS:
   150/5200-18C "AIRPORT SAFETY-SELF INSPECTION"
   150/5210-5D "PAINTING, MARKINGS & LIGHTING OF VEHICLES USED ON AIRPORTS"
6. THE EMERGENCY NUMBER TO CALL FOR ANY INCIDENT ON THE PROJECT OR AIRPORT SHALL BE 911, AND THE SITE IS TALLAHASSEE INTERNATIONAL AIRPORT, UNLESS OTHERWISE NOTIFIED BY THE OWNER. IN ADDITION, CALL THE AIRPORT COMMUNICATIONS CENTER AT 850-891-7830 FOR NOTIFICATION OF THE EMERGENCY.
7. ALL COMMUNICATION WITH THE AIR TRAFFIC CONTROL TOWER OR OTHER ELEMENTS OF THE AIRPORT SHALL BE THROUGH THE OWNER, UNLESS OTHERWISE DIRECTED.
8. THE CONTRACTOR SHALL COORDINATE DAILY CONSTRUCTION OPERATIONS WITH THE OWNER PRIOR TO BEGINNING WORK.
9. CONSTRUCTION EQUIPMENT AND VEHICLES SHALL BE PARKED WITHIN THE LIMITS OF STAGING AREA WHEN NOT IN USE. ALL EQUIPMENT SHALL BE REMOVED FROM THE WORK AREAS WHEN WORK AREAS ARE INACTIVE.
10. EQUIPMENT TALLER THAN 20 FEET SHALL NOT BE USED UNLESS SPECIFICALLY APPROVED BY THE OWNER.
11. ALL CONTRACTOR VEHICLES THAT ARE AUTHORIZED TO OPERATE ON THE AIRPORT IN THE ACTIVE AIRPORT OPERATIONS AREA (AOA) SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE, A 3' X 3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. ANY VEHICLE OPERATING IN THE ACTIVE AOA DURING THE HOURS OF DARKNESS SHALL BE EQUIPPED WITH A FLASHING AMBER (YELLOW) DOME LIGHT, MOUNTED ON TOP OF THE VEHICLE AND OF SUCH INTENSITY TO CONFORM TO LOCAL CODES FOR MAINTENANCE AND EMERGENCY VEHICLES.
12. IT IS THE INTENT OF THE OWNER TO MINIMIZE INTERFERENCE OR CONFLICT WITH AIRCRAFT AIR OR GROUND OPERATIONS. BEFORE STARTING ANY WORK OPERATIONS, THE CONTRACTOR SHALL ASSURE THAT PROPER SAFETY PRECAUTIONS ARE TAKEN AND THAT PROPER SEPARATIONS TO AIRCRAFT ARE MAINTAINED. UNLESS NOTED OTHERWISE, AIRCRAFT HAVE THE RIGHT-OF-WAY OVER CONSTRUCTION ACTIVITIES AND EQUIPMENT.
13. NO RUNWAY, TAXIWAY, TAXILANE, APRON OR AIRPORT ROADWAY SHALL BE CLOSED WITHOUT WRITTEN APPROVAL FROM THE OWNER. TO ENABLE NECESSARY "NOTICE TO AIRMEN" (NOTAM) OR ADVISORIES TO AIRPORT SERVICES OR TENANTS, A WRITTEN NOTICE REQUESTING A CLOSURE SHALL BE DIRECTED TO THE OWNER AND AIRPORT OPERATIONS, A MINIMUM OF 72 HOURS PRIOR.
14. ANY CONSTRUCTION ACTIVITY WITHIN RUNWAY SAFETY, TAXIWAY OR TAXILANE OBJECT FREE AREAS AS SHOWN ON THE DRAWINGS WILL REQUIRE CLOSURE OF THE AFFECTED RUNWAY OR TAXIWAY, UNLESS OTHERWISE APPROVED BY AIRPORT OPERATIONS. CLOSURE REQUIRES THE SAME PROVISIONS AS NOTE 13 ABOVE.
15. WORK WITHIN THE OBJECT FREE AREA (OFA) MAY NOT PROCEED, NOR MAY VEHICLES ENCROACH WITHIN THIS AREA UNTIL THE APPROPRIATE NOTAMS HAVE BEEN ISSUED. CONSTRUCTION VEHICLE ACTIVITY ADJACENT TO OR WITHIN THE OFA OR OPERATIONAL RUNWAYS, TAXIWAYS, TAXILANES, OR APRONS WILL BE CONTROLLED BY FLAGMEN FAMILIAR WITH AIR OPERATIONS TO ENSURE AIRCRAFT SAFETY AT THE EXPENSE OF THE CONTRACTOR.
16. CONSTRUCTION DURING THE PROJECT MAY BE HALTED AT ANY TIME BY IF IT IS DETERMINED TO BE IN THE BEST INTEREST OF THE OWNER OR AIRPORT OPERATIONAL SAFETY, AND THE CONTRACTOR MAY BE DIRECTED TO REMOVE EQUIPMENT AND/OR EVACUATE THE SITE. NECESSARY EXTENSIONS IN CONTRACT TIME MAY BE GRANTED OR A STOP WORK ORDER MAY BE ISSUED DUE TO THESE DELAYS, HOWEVER, THERE WILL BE NO ADJUSTMENTS IN CONTRACT PRICE DUE TO THESE DELAYS.
17. DURING TIMES WHEN SAFETY OF FLIGHT OPERATIONS COULD BE IMPAIRED, OR WHEN EQUIPMENT IS IDLE, ALL CONTRACTOR'S BOOMS, TOWERS, AND OTHER MOVABLE APPENDAGES WILL BE LOWERED TO THE MINIMUM EXTENT AND PARKED OUTSIDE THE OFA IN THE DESIGNATED STAGING AREA.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF ANY FINES ASSESSED TO THE OWNER DUE TO THE CONTRACTOR'S VIOLATIONS OF FAA OPERATING, SAFETY, OR SECURITY REQUIREMENTS.

SAFETY NOTES (CONT.)

19. NO EQUIPMENT OR MATERIALS SHALL BE LEFT UNATTENDED AT THE AIRPORT UNLESS WITHIN DESIGNATED STAGING AREAS OR UNLESS THE CONTRACTOR RECEIVES PRIOR WRITTEN APPROVAL FROM THE OWNER.
20. CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS WITHIN 10 FEET OF THE AIRPORT OPERATIONS AREA FENCE AT ANY TIME.
21. THE CONTRACTOR SHALL PREVENT ANY MATERIAL ASSOCIATED WITH THE CONTRACTOR'S OPERATIONS FROM BLOWING, SPILLING, OR BEING TRANSPORTED ONTO ACTIVE OPERATIONAL PAVEMENT WHERE IT CAN POSE A FOREIGN OBJECT DAMAGE (FOD) HAZARD TO AIRCRAFT. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY FOD MATERIAL RESULTING FROM THEIR ACTIVITIES, FROM ACTIVE OPERATIONAL PAVEMENT AND SHALL BE RESPONSIBLE FOR ANY DAMAGE WHICH RESULTS. IN ADDITION, ALL PAVEMENTS ADJACENT TO CONTRACTOR WORK AREAS SHALL BE SWEPT CLEAN AT THE END OF EACH WORK DAY. CONTRACTOR SHALL MONITOR WIND DIRECTION AND PREVENT DUST FROM BEING BLOWN INTO ADJACENT OPERATIONAL AREAS.
22. STOCKPILED MATERIAL, IF PERMITTED BY THE OWNER, SHALL BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT JET BLAST OR WIND CONDITIONS. STOCKPILE HEIGHT SHALL BE LESS THAN 20 FEET, AND SHALL BE LOCATED OUTSIDE THE RUNWAY AND TAXIWAY OBJECT FREE AREAS. IN ADDITION, STOCKPILED MATERIAL SHALL HAVE SILT FENCE LOCATED AROUND THE MATERIAL TO PREVENT FOREIGN OBJECT DEBRIS (FOD) FROM MOVING ONTO THE AIRFIELD PAVEMENTS OR POLLUTING WATERCOURSES. STOCKPILES THAT REQUIRED FAA 7460-1 SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO MOBILIZATION.
23. THERE SHALL BE NO PERMANENT WASTE SITES ON AIRPORT PROPERTY. ANY TEMPORARY WASTE AREA WILL BE APPROVED BY THE OWNER AND SHALL BE KEPT IN A NEAT CONDITION. THE OWNER MAY DIRECT THE CONTRACTOR TO REMOVE WASTE IF NOT PROPERLY MAINTAINED. UPON THE COMPLETION OF THE PROJECT, OR AS DIRECTED BY THE OWNER, THE CONTRACTOR WILL REMOVE ALL WASTE FROM AIRPORT PROPERTY AND DISPOSE OF IT IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AT THE CONTRACTOR'S SOLE COST AND EXPENSE.
24. DEBRIS, WASTE AND LOOSE MATERIAL SHALL NOT BE ALLOWED TO BE ON ACTIVE AIRCRAFT MOVEMENT AREA PAVEMENT OR ALONG HAUL ROUTES. THE CONTRACTOR SHALL REMOVE IT IMMEDIATELY AND CONTINUOUSLY DURING CONSTRUCTION BY MECHANICAL VACUUM SWEEPER OR OTHER APPROVED METHODS.
25. CONTRACTOR IS NOT TO USE, TERMINATE, OPERATE OR INTERRUPT THE AIRFIELD CIRCUITRY WITHOUT SPECIFIC APPROVAL OF THE OWNER. THE OWNER SHALL MAINTAIN CONTROL OF ANY SERIES CIRCUIT CUTOUTS REMOVED TO PROTECT PERSONNEL WORKING ON OR INVESTIGATING ANY CIRCUITS.
26. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WORKING AROUND POTENTIALLY ENERGIZED UNDERGROUND OR ABOVE GROUND ELECTRICAL UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY AT ALL TIMES AND SHALL CONFORM TO ALL OSHA, FAA AND ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.
27. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING AFFECTED ELECTRICAL CIRCUITS ARE DE-ENERGIZED AND PROTECTED FROM BEING RE-ENERGIZED WHEN WORKING ON OR COMPACTING AROUND ELECTRICAL SYSTEMS IN ACCORDANCE WITH LOCK-OUT/TAG-OUT PROCEDURES.
28. OPEN FLAMES, WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS HAVE BEEN TAKEN AND THE PROCEDURE IS APPROVED BY THE OWNER AND A CUTTING AND WELDING PERMIT HAS BEEN ISSUED BY THE OWNER.

SECURITY NOTES

1. IT IS INTENDED THAT THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN AND IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRIEFING ALL PERSONNEL ON THESE REQUIREMENTS AND OTHER SECURITY PROVISIONS ADOPTED BY THE OWNER. ALL NEW CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN EACH CONSTRUCTION AREA.
2. IDENTIFICATION OF PERSONNEL: ALL EMPLOYEES, AGENTS, VENDORS, INVITEES, ETC. OF THE CONTRACTOR OR SUBCONTRACTORS REQUIRING ACCESS TO THE PROJECT SITE OR STAGING AREA, IN ACCORDANCE WITH THE OWNER'S SECURITY PROGRAM, WILL BE REQUIRED TO DISPLAY AIRPORT ISSUED IDENTIFICATION OR BE UNDER ESCORT BY PROPERLY BADGED PERSONNEL. AT THE COMPLETION OF THE CONTRACT ALL BADGES WILL BE RETURNED TO THE AIRPORT OR A PER BADGE CHARGE WILL BE ASSESSED FOR ALL BADGES NOT RETURNED. AS PART OF THE BADGE APPLICATION PROCESS, EACH APPLICANT WILL BE FINGERPRINTED FOR USE IN A CRIMINAL RECORDS SEARCH. ANY PERSON WHOSE CRIMINAL RECORD REVEALS OFFENSES LISTED BY FAA AS DISQUALIFYING OFFENSES WILL BE DENIED A BADGE AND WILL BE PROHIBITED FROM UNESCORTED ACCESS TO THE PROJECT SITE. ALL REQUIRED PAPERWORK AND ID BADGE APPLICATIONS SHALL BE SUBMITTED A MINIMUM OF THREE (3) WEEKS BEFORE ISSUANCE OF ANY BADGE. CONTRACTOR PERSONNEL REQUIRING AIRPORT ISSUED BADGES ARE RESPONSIBLE FOR ATTENDING SIDA TRAINING AND COMPLETING SECURITY BADGE APPLICATIONS. THERE MAY BE A CHARGE FOR THE BACKGROUND CHECK AND FINGERPRINTING PROCESS, THE COST OF WHICH SHALL BE INCIDENTAL TO MOBILIZATION. ALL EMPLOYEES, AGENTS, VENDORS, INVITEES, ETC. OF THE CONTRACTOR OR SUBCONTRACTORS HAVING ACCESS TO THE AOA UNDER ESCORT SHALL CONSPICUOUSLY WEAR EITHER SHIRT AND/OR HARD HAT THAT IDENTIFIES THE EMPLOYER OF THE PERSONNEL.
3. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUATE STAFF ARE BADGED AND TRAINED IN ACCORDANCE WITH AIRPORT SECURITY AND OPERATIONS PROCEDURES. BADGING PROCESS MAY TAKE UP TO FOUR WEEKS TO COMPLETE. THE CONTRACTOR SHALL ALLOW ADEQUATE TIME FOR BADGING PRIOR TO CONSTRUCTION.
4. CONTRACTOR PERSONNEL SECURITY ORIENTATION: THE CSSO SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON SECURITY REQUIREMENTS AS OUTLINED IN THE CONTRACT DOCUMENTS.
5. THE CONTRACTOR SHALL MAINTAIN A LIST OF ALL AUTHORIZED PROJECT PERSONNEL AND IT SHALL BE SUBMITTED TO THE OWNER PRIOR TO BEGINNING WORK AND UPDATED THROUGHOUT CONSTRUCTION.
6. IDENTIFICATION OF VEHICLES: THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A LIST OF CONTRACTOR AND SUB-CONTRACTOR VEHICLES AUTHORIZED TO OPERATE ON THE SITE. EACH VEHICLE IS REQUIRED TO DISPLAY A LARGE COMPANY SIGN ON BOTH SIDES OF THE VEHICLE AND ISSUE TO THE OWNER A CURRENT LIST OF COMPANIES AUTHORIZED TO ENTER AND CONDUCT WORK ON THE AIRPORT. CONTRACTOR EMPLOYEE PERSONAL VEHICLES ARE NOT ALLOWED ON THE AIRFIELD AT ANY TIME.
7. THE CONTRACTOR'S ACCESS TO THE SITE SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE OWNER. NO OTHER ACCESS POINTS SHALL BE ALLOWED UNLESS APPROVED AND DIRECTED BY THE OWNER. ALL CONTRACTOR TRAFFIC AUTHORIZED TO ENTER THE SITE SHALL BE EXPERIENCED IN THE ROUTE OR GUIDED BY CONTRACTOR PERSONNEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE VARIOUS CONSTRUCTION AREAS ON AIRPORT PROPERTY. DIRECTIONAL SIGNING AT THE ACCESS POINT AND ALONG THE DELIVERY ROUTE TO THE STORAGE AREA OR WORK SITE SHALL BE AS DIRECTED BY THE OWNER.
8. THE MATERIAL STORAGE AREA, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS DEFINED AS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE AS SHOWN ON THE PROJECT DRAWINGS OR AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL ERECT, MAINTAIN AND REMOVE AT COMPLETION OF THE PROJECT AROUND THE PERIMETER OF THESE AREA SUITABLE FENCING, MARKING AND/OR WARNING DEVICES VISIBLE FOR DAY/NIGHT USE.
9. ALL CONTRACTOR'S MATERIAL ORDERS FOR DELIVERY TO THE SITE MUST BE ESCORTED BY THE CONTRACTOR. THIS WILL PRECLUDE DELIVERY TRUCKS FROM ENTERING INTO THE AIRPORT OR TAKING SHORT-CUTS THROUGH THE PERIMETER GATES AND ENTERING INTO AIRPORT OPERATIONS AREAS INADVERTENTLY. THE OWNER AND TRANSPORTATION SECURITY ADMINISTRATION SHALL HAVE THE RIGHT TO INSPECT ALL PERSONNEL, EQUIPMENT AND MATERIALS TO BE BROUGHT INTO THE AIRPORT OPERATIONS AREA.
10. THE CONTRACTOR ACCESS GATE DESIGNATED FOR USE MAY BE UTILIZED BY OTHER CONTRACTORS, AIRPORT TENANTS OR BY THE OWNER DURING THIS PROJECT. THE CONTRACTOR IS REQUIRED TO COORDINATE ACCESS WITH ALL PARTIES. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR ISSUES RELATED TO SITE ACCESS.
11. THE CONTRACTOR SHALL COORDINATE HAUL ROUTE AND ACCESS OPERATIONS WITH ALL OTHER CONTRACTORS UTILIZING THE SAME ROUTES.
12. THE CONTRACTOR IS RESPONSIBLE FOR IMMEDIATE CLEANUP OF ANY DEBRIS DEPOSITED ALONG ANY ROUTE USED AS A RESULT OF THEIR CONSTRUCTION TRAFFIC.
13. ALL ACCESS GATES SHALL BE CLOSED DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP THE AIRPORT SECURED AT ALL TIMES DURING CONSTRUCTION.



No.	REVISIONS	DATE	BY

Kimley»Horn
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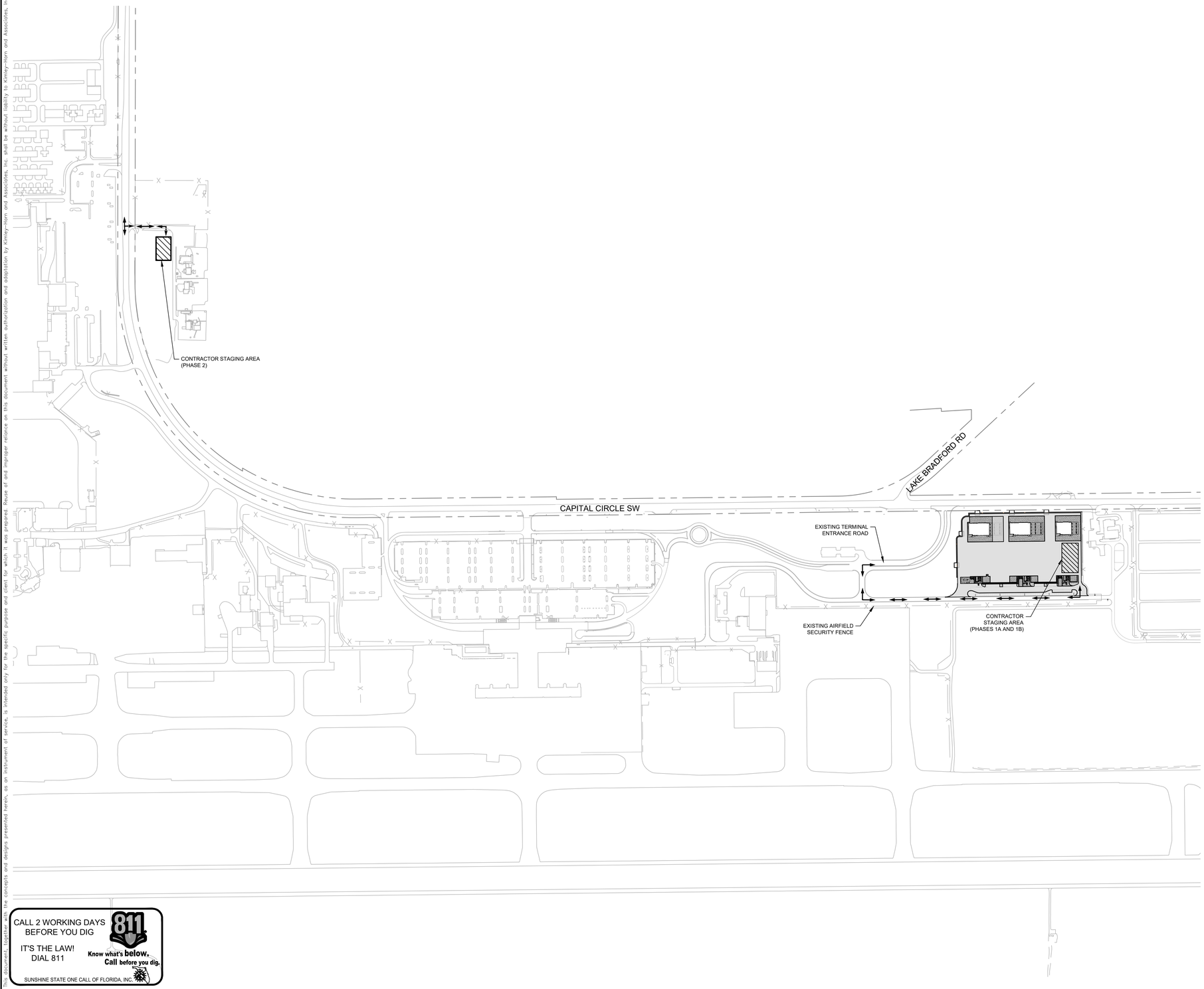
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FLORIDA LICENSE NUMBER
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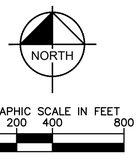
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SAFETY AND SECURITY NOTES

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
G004





CONTRACTOR STAGING AREA NOTES

1. THE CONTRACTOR'S STAGING AREAS WILL BE LOCATED AS SHOWN ON THIS SHEET. THE CONTRACTOR SHALL UTILIZE THESE LOCATIONS THROUGHOUT CONSTRUCTION.
2. IF REQUESTED BY THE CONTRACTOR, ADDITIONAL AREAS ADJACENT TO THE WORK SITE MAY BE MADE AVAILABLE FOR USE BY THE CONTRACTOR AS A STAGING AREA AT THE DISCRETION OF THE OWNER.
3. THE EXACT LOCATIONS AND DIMENSIONS OF THE STAGING AREA WILL BE CONFIRMED IN THE FIELD BY THE OWNER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING FENCING AND SECURING THE STAGING AREA.
5. NO STAGING ON ANY ACTIVE AIRFIELD PAVEMENTS OR ROADWAYS WILL BE ALLOWED AT ANY TIME.
6. THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT ALL EQUIPMENT AND MATERIALS LOCATED WITHIN THE CONTRACTOR'S STAGING AREAS ARE LOCATED OUTSIDE OF ANY TAXIWAY OBJECT FREE AREAS AND OTHER PART 77 PROTECTED SURFACES.
7. THE STAGING AREA LOCATIONS DO NOT HAVE ANY EXISTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING ANY UTILITIES REQUIRED FOR THEIR OWN USE AND ANY UTILITIES REQUIRED WILL BE AT THE CONTRACTOR'S EXPENSE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL ASSOCIATED UTILITY CONNECTIONS AND PERMITS FOR THE STAGING AREAS WITH THE LOCAL AUTHORITIES.
8. AT THE CONCLUSION OF CONSTRUCTION, AND BEFORE FINAL ACCEPTANCE, THE STAGING AREAS SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION. THE AREAS SHALL BE GRADED TO DRAIN AS EXISTING AND RESTORED PER THE PROJECT DRAWINGS AND SPECIFICATIONS.
9. CONTRACTOR SHALL NOT BLOCK ACCESS TO ANY AOA GATES.

LEGEND

- CONTRACTOR STAGING AREA
- HAUL ROUTE
- EXISTING FENCE

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISIONS	DATE	BY

Kimley»Horn

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TALLAHASSEE, FL 32308 PHONE: 850-553-3500
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LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
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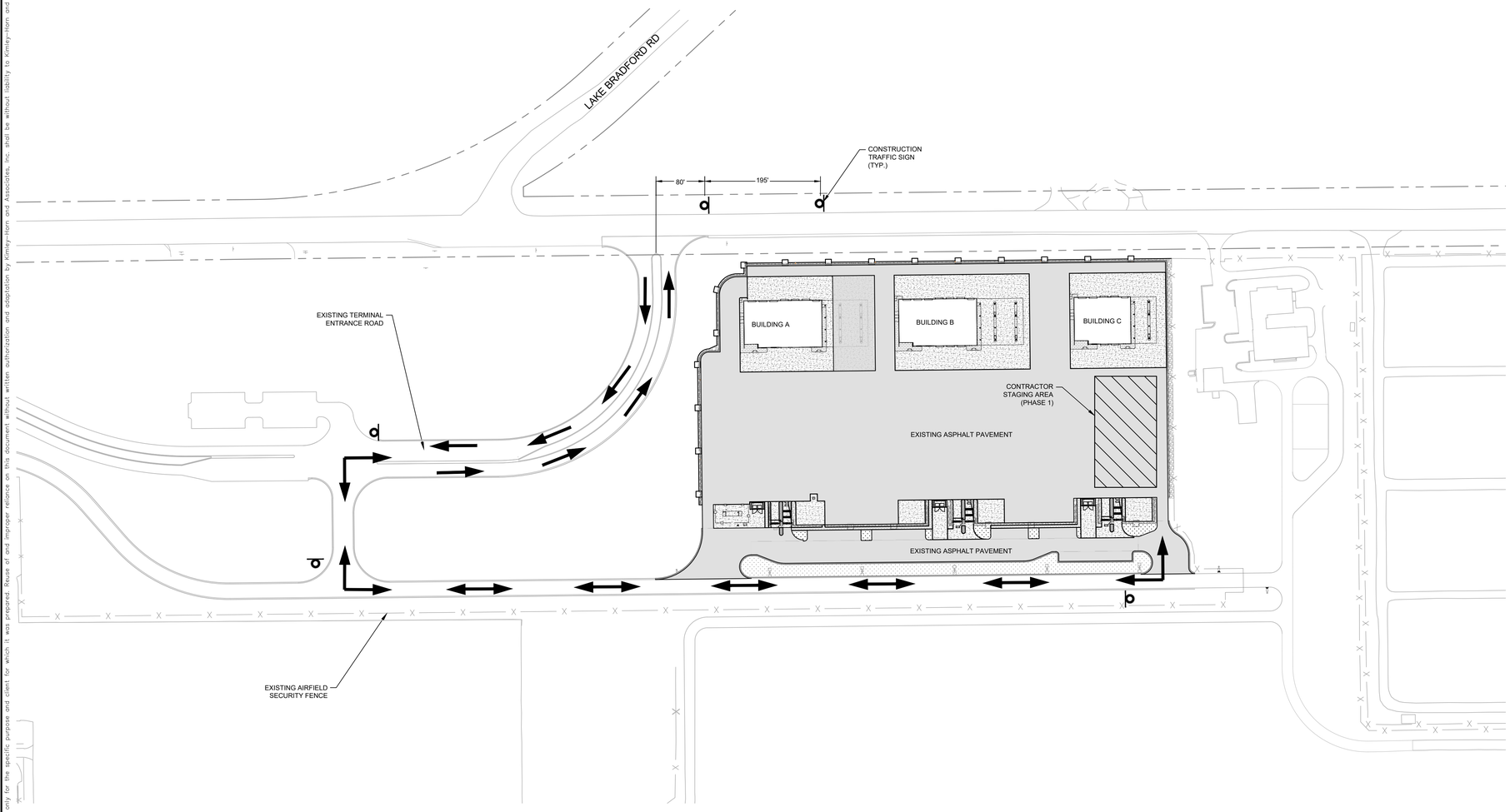
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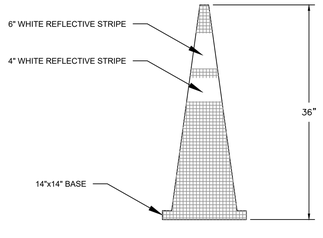
CONTRACT LAYOUT AND HAUL ROUTE PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
G005

Plotted By:Coghin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:CONTRACT LAYOUT PLAN March 27, 2025 05:23:06pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\G005 CONTRACT LAYOUT AND HAUL ROUTE PLAN.dwg
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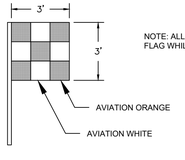




ORANGE TRAFFIC CONE DETAIL
NOT TO SCALE

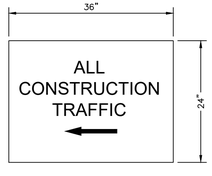
ORANGE TRAFFIC CONE NOTES:

1. TRAFFIC CONES SHALL BE PLACED AT A MAXIMUM INTERVAL OF 10 FEET ALONG ON-PAVEMENT HAUL ROUTES OR AS DETERMINED BY THE RPR.



NOTE: ALL VEHICLES SHALL BE EQUIPPED WITH A FLAG WHILE IN THE AIR OPERATION AREA.

VEHICLE FLAG DETAIL
NOT TO SCALE



CONSTRUCTION TRAFFIC SIGN
NOT TO SCALE

NOTES

1. SIGN BACKGROUND IS TO BE WHITE. SIGN LETTERING IS TO BE BLACK, MINIMUM HEIGHT OF 3", AND BE A BOLD LETTERING STYLE SIMILAR TO THE THE DETAIL SHOWN.
2. SIGN IS TO BE LOCATED HIGH ENOUGH TO ALLOW EASY VIEWING FROM ALL THE CONSTRUCTION VEHICLES ENTERING THE CONSTRUCTION SITE.
3. SIGN PLACEMENT SHALL BE AS DIRECTED BY THE RPR.
4. ALL CONSTRUCTION TRAFFIC SIGNAGE SHALL BE INCLUDED AND IS INCIDENTAL TO PAY ITEM FOR MOBILIZATION.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
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LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
88587
DATE: ____

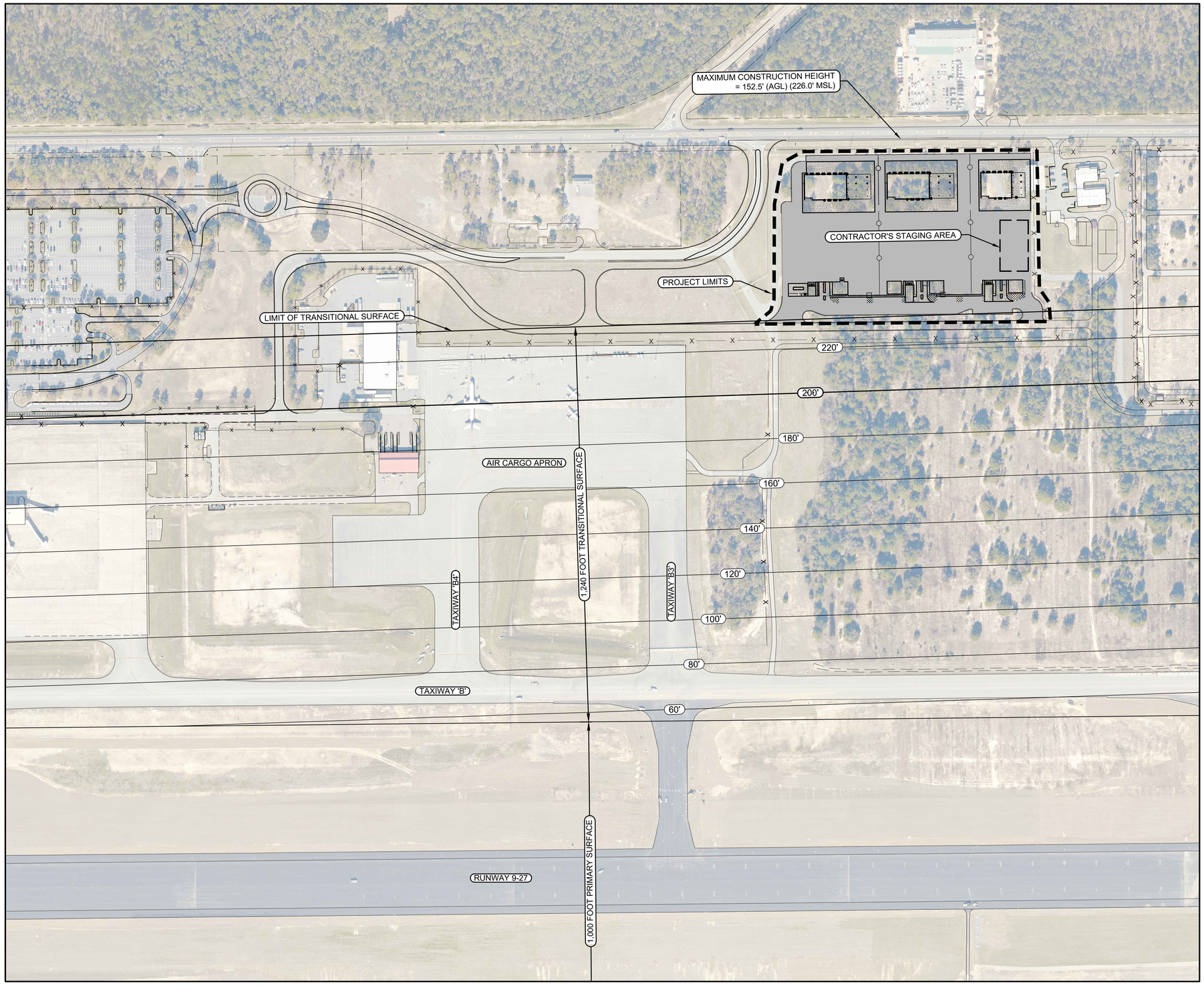
KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

MAINTENANCE OF TRAFFIC

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
G006

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NORTH

GRAPHIC SCALE IN FEET
0 75 150 300

NOTES:

1. MAXIMUM CONSTRUCTION HEIGHT REFERS TO BOTH PERMANENT CONSTRUCTION FEATURES AND THE MAXIMUM HEIGHT OF TEMPORARY EQUIPMENT SUCH AS CRANES.
2. CONTOUR ELEVATIONS REFER TO THE IMAGINARY SURFACE HEIGHT ABOVE MEAN SEA LEVEL (MSL). THE HEIGHT OF THE EXISTING GROUND IS SUBTRACTED FROM THESE ELEVATIONS TO DETERMINE THE MAXIMUM ABOVE GROUND LEVEL (AGL) CONSTRUCTION HEIGHT RESTRICTIONS.

LEGEND:

220' MAJOR AIRSPACE CONTOUR

220' MINOR AIRSPACE CONTOUR

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Michael Baker INTERNATIONAL
MICHAEL BAKER INTERNATIONAL, INC.
2211 KORA LEE BLVD, SUITE 210 (850) 201-2502
TALLAHASSEE, FLORIDA 32310
CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL

LIC PROF 1

FLORIDA LICENSE NUMBER

LIC PROF 1 #

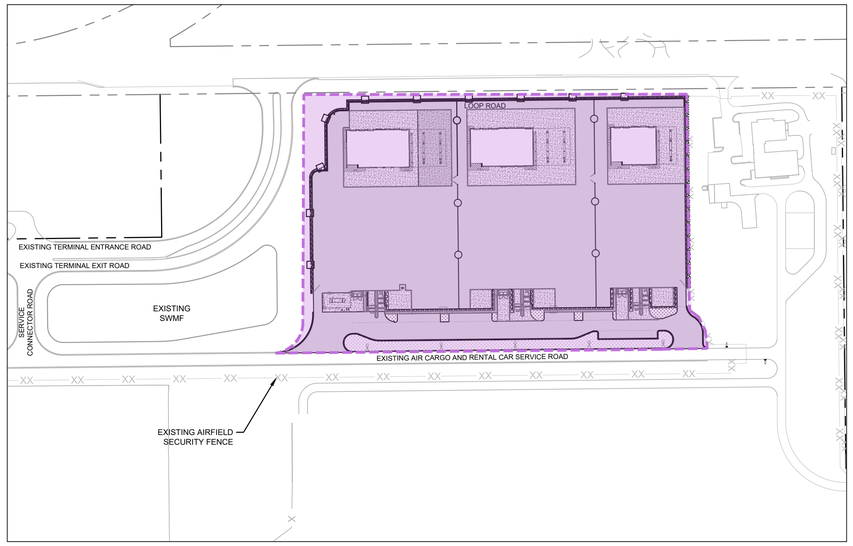
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KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SMS
DRAWN BY	MC
CHECKED BY	NEP

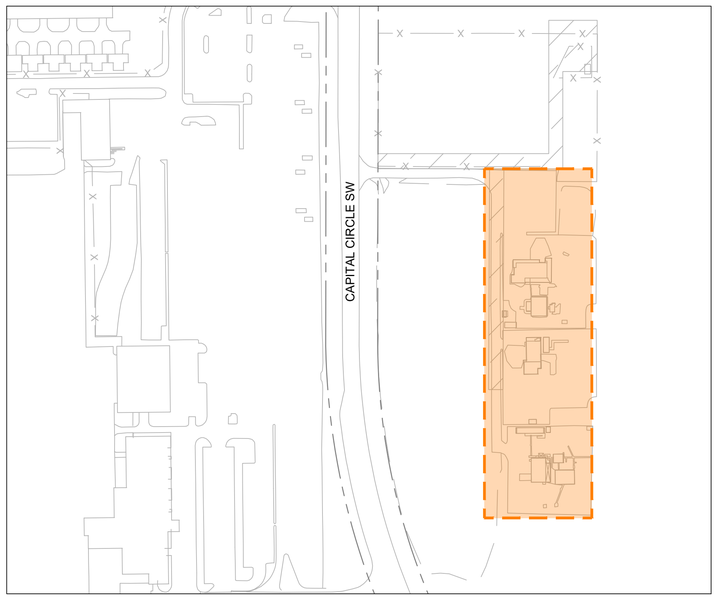
AIRSPACE SURFACE PROTECTION PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

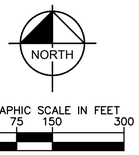
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G007



PHASE 1



PHASE 2



LEGEND

PHASE 1 LIMITS:
QUICK-TURNAROUND FACILITY

PHASE 2 LIMITS:
EXISTING QUICK-TURNAROUND FACILITY DEMOLITION

PROJECT PHASING:

PHASE 0 - CONTRACTOR'S MOBILIZATION, HAUL ROUTE SIGNAGE, EQUIPMENT PROCUREMENT, PROJECT SCHEDULE, CONTRACTOR'S QUALITY CONTROL AND SAFETY PLAN, SAFETY PLAN COMPLIANCE DOCUMENT, CONTRACTOR'S STAGING AREA, CONSTRUCTION PERMITTING BY THE CONTRACTOR, SUBMITTALS, ORDERING OF LONG-LEAD ITEMS, ETC.

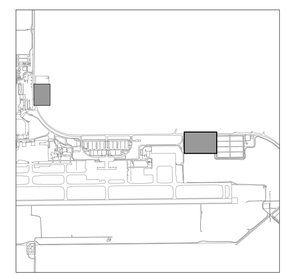
PHASE 1 - THIS PHASE INCLUDES ALL WORK TO CONSTRUCT THE QTA FACILITY INCLUDING BUT NOT LIMITED TO, SITE UTILITIES, PROPOSED BUILDINGS, FUELING AREAS, PAVEMENTS, FUEL TANK, SECURITY SYSTEMS, AND QTA FENCING. PHASE 1 SHALL COMMENCE IMMEDIATELY FOLLOWING THE COMPLETION OF PHASE 0.

PHASE 2 - THIS PHASE INCLUDES THE DEMOLITION OF THE EXISTING QTA FACILITY. PHASE 2 SHALL NOT COMMENCE UNTIL PHASE 1 IS COMPLETE AND QTA FACILITY IS FULLY OPERATIONAL. CONTRACTOR TO COORDINATE WITH RPR AND OWNER TO DETERMINE THE START OF PHASE 2.

GENERAL PHASING NOTES:

1. PHASING SHOWN IS BASED ON TALLAHASSEE INTERNATIONAL AIRPORT OPERATIONAL REQUIREMENTS. CONTRACTOR TO SUPPLY DETAILED CONSTRUCTION PHASING PLAN, SCHEDULE, AND SAFETY PLAN COMPLIANCE DOCUMENT (SPCD) BEFORE ANY CONSTRUCTION IS PERMITTED.
2. WORK LISTED IN EACH PHASE DESCRIPTION IS APPROXIMATE - SEE ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR COMPLETE DESCRIPTION OF WORK REQUIRED.
3. PRIOR TO THE COMMENCEMENT OF EACH PHASE, THE CONTRACTOR SHALL REVIEW THE PROPOSED LOCATION OF BARRICADES AND MOT DEVICES WITH THE RESIDENT PROJECT REPRESENTATIVE (RPR) AND THE OWNER.

KEY MAP



CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
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FLORIDA LICENSE NUMBER 88587
DATE: _____

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

PROJECT PHASING PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
G100

Plotted By:Coshin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:G100 PROJECT PHASING PLAN March 27, 2025 05:23:23pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\G100 PROJECT PHASING PLAN.dwg
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CODE SUMMARY

PROJECT INFORMATION:

PROJECT NAME:
QUICK TURNAROUND FACILITY - TALLAHASSEE INTERNATIONAL AIRPORT

OWNER:
TALLAHASSEE INTERNATIONAL AIRPORT
3300 CAPITAL CIR. SW
TALLAHASSEE, FL 32310
[T] 850.891.7800

PROJECT DESCRIPTION:
THREE MASONRY QUICK TURNAROUND BUILDINGS WITH 20 FUELING POSITIONS TOTAL.

APPLICABLE CODES:

2021 NFPA - NATIONAL FIE PROTECTION ASSOCIATION (FLORIDA EDITION)
2023 FBC-B - FLORIDA BUILDING CODE (8TH EDITION)
2023 FBC-A - FLORIDA BUILDING CODE, ACCESSIBILITY (8TH EDITION)
2023 FBC-M - FLORIDA BUILDING CODE, MECHANICAL (8TH EDITION)
2023 FBC-P - FLORIDA BUILDING CODE, PLUMBING (8TH EDITION)
2023 FBC - ENERGY CONSERVATION CODE (8TH EDITION)
2023 FBC-FG - FLORIDA BUILDING CODE, FUEL GAS (8TH EDITION)
FFPC - FLORIDA FIRE PREVENTION CODE (8TH EDITION)
2020 NEC - NATIONAL ELECTRICAL CODE
2010 ADA STANDARDS

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION:

SECTION 302.1 CLASSIFICATION
B - BUSINESS, S-1 - STORAGE

CHAPTER 5: GENERAL BUILDING HEIGHTS AND AREAS

SECTION 504 | TABLE 504.3 - ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE (SEE SECTION 508.3.2 BELOW)

OCCUPANCY CLASSIFICATION: S-1 (NON-SPRINKLERED)
TYPE OF CONSTRUCTION: IIB
ALLOWABLE HEIGHT: 55'
ACTUAL HEIGHT: 21' - 6"

SECTION 504 | TABLE 504.4 - ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE (SEE SECTION 508.3.2 BELOW)

OCCUPANCY CLASSIFICATION: S-1 (NON-SPRINKLERED)
TYPE OF CONSTRUCTION: IIB
ALLOWABLE STORIES: 2
ACTUAL STORIES: 1

SECTION 506 | TABLE 506.2 - ALLOWABLE AREA (SEE SECTION 508.3.2 BELOW)

OCCUPANCY CLASSIFICATION: S-1 (NON-SPRINKLERED)
TYPE OF CONSTRUCTION: IIB
ALLOWABLE AREA: 17,500 SF
ACTUAL AREA: SEE LIFE SAFETY PLANS

SECTION 506.2.2 - MIXED-OCCUPANCY, ONE STORY BUILDING (REFERENCE SECTION 508.1 & EQUATION 5-1)

THE ALLOWABLE AREA OF A MIXED-OCCUPANCY BUILDING WITH NO MORE THAN ONE STORY ABOVE GRADE PLANE SHALL BE DETERMINED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 508.1 BASED ON EQUATION 5-1 FOR EACH APPLICABLE OCCUPANCY

SECTION 508.3.2 - ALLOWABLE BUILDING AREA AND HEIGHT

THE ALLOWABLE BUILDING AREA AND HEIGHT OF THE BUILDING OR PORTION THEREOF SHALL BE BASED ON THE MOST RESTRICTIVE ALLOWANCES FOR THE OCCUPANCY GROUPS UNDER CONSIDERATION FOR THE TYPE OF CONSTRUCTION OF THE BUILDING IN ACCORDANCE WITH SECTION 503.1

508.3.3 - SEPARATION

NO SEPARATION IS REQUIRED BETWEEN NON-SEPARATED OCCUPANCIES

SECTION 508 | TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES (HOURS)

OCCUPANCY S-1 & B, NO SEPARATION REQUIREMENT

CHAPTER 6: TYPES OF CONSTRUCTION:

SECTION 601 | TABLE 601 - FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

BUILDING ELEMENT	TYPE IIB
Primary Structural Steel Frame	0
Bearing Walls	
Exterior	0
Interior	0
Nonbearing Walls and Partitions	
Exterior (Table 602 | Fire Separation Distance > 30')	0
Nonbearing Walls and Partitions	
Interior	0
Floor Construction and Associated Secondary Members	
(See Section 202)	0
Roof Construction and Associated Secondary Members	
(See Section 202)	0

CHAPTER 7: FIRE AND SMOKE PROTECTION FEATURES:

SECTION 705 | TABLE 705.8 - MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION

FIRE SEPARATION DISTANCE > 30', NO LIMIT TO UNPROTECTED OPENINGS

CHAPTER 9: FIRE PROTECTION SYSTEMS:

SECTION 903 - AUTOMATIC SPRINKLER SYSTEMS | SUB SECTION 903.2.9 - GROUP S-1

AN AUTOMATIC SPRINKLER SYSTEM SHALL NOT BE PROVIDED

SECTION 906 - PORTABLE FIRE EXTINGUISHERS | SUB SECTION 906.3

MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER = 75 FEET

CHAPTER 10: MEANS OF EGRESS:

SECTION 1004 - OCCUPANT LOAD

REFERENCE OCCUPANCY LOAD CALCULATION TABLES ON LIFE SAFETY PLANS

SECTION 1005 - MEANS OF EGRESS SIZING | SUB SECTION 1005.3.2 - OTHER EGRESS COMPONENTS

EGRESS CAPACITY FACTOR - .2 INCH PER OCCUPANT
TOTAL OCCUPANTS (SEE LIFE SAFETY PLANS) - 164 x .2 = 32.8 INCHES TOTAL REQUIRED
DOOR CAPACITY PROVIDED (SEE LIFE SAFETY PLANS) - 780 INCHES PROVIDED VIA (18) 32" CLEAR DOORS AND (3) 68" CLEAR DOORS

SECTION 1006 | TABLE 1006.2.1 - SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

B OCCUPANCY / MAX OCCUPANT LOAD OF 49 / COMMON PATH OF TRAVEL WITH NO SPRINKLER SYSTEM IS 100 FEET
S OCCUPANCY / MAX OCCUPANT LOAD OF 29 / COMMON PATH OF TRAVEL WITH NO SPRINKLER SYSTEM IS 100 FEET

SECTION 1006 | TABLE 1006.3.1 - MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY

MINIMUM 2 EXITS REQUIRED FOR OCCUPANT LOAD LESS THAN 500

SECTION 1017 | TABLE 1017.2 - EXIT ACCESS TRAVEL DISTANCE

S-1 OCCUPANCY / WITHOUT SPRINKLER SYSTEM IS 200 FEET (REFERENCE LIFE SAFETY PLANS)
S-2 OCCUPANCY / WITHOUT SPRINKLER SYSTEM IS 300 FEET (REFERENCE LIFE SAFETY PLANS)
B OCCUPANCY / WITHOUT SPRINKLER SYSTEM IS 200 FEET (REFERENCE LIFE SAFETY PLANS)

SECTION 1020 | TABLE 1020.1 - CORRIDOR FIRE-RESISTANCE RATING

S OCCUPANCY / SERVING OCCUPANT LOAD GREATER THAN 30 / WITHOUT SPRINKLER SYSTEM IS 1 HOURS
B OCCUPANCY / SERVING OCCUPANT LOAD GREATER THAN 30 / WITHOUT SPRINKLER SYSTEM IS 1 HOURS

CHAPTER 29: PLUMBING FACILITIES:

SECTION 2902 | TABLE 2902.1 - MINIMUM NUMBER OF PLUMBING FIXTURES

SEE PLUMBING FIXTURE TABLE ON LIFE SAFETY PLAN SHEETS

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ENGARCH NAME
FL LICENSE NUMBER
XXXXX

PROJECT NUMBER	R1003144.00
DATE	04/16/2021
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DESIGNED BY	Designer
DRAWN BY	Author
CHECKED BY	Checker

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

CODE SUMMARY SHEET

SHEET NUMBER
LS001

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PLUMBING FIXTURE COUNTS (IBC TABLE 2902.1)

BUSINESS OCCUPANCY

CLASSIFICATION	# OF OCCUPANTS	WATER CLOSETS	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
		(Req./ Prov.)	(Req./ Prov.)		(Req./ Prov.)	(Req./ Prov.)
Business [B]	71 TOTAL M = 36, F = 35	2 / 2	2 / 2	-	1 / 1	1 / 1

S-1 OCCUPANCY

CLASSIFICATION	# OF OCCUPANTS	WATER CLOSETS	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
		(Req./ Prov.)	(Req./ Prov.)		(Req./ Prov.)	(Req./ Prov.)
Storage [S-1]	8 TOTAL M = 4, F = 4	1 / 1	1 / 1	SEE IPC	1 / 1	1 / 1

OCCUPANT LOAD CALCULATIONS (BUSINESS)

Room Information			Occupancy Requirements		
Number	Name	Area	Type	OLF	Occupancy Load
100	ADMIN AREA	1,191.84 SF	B		8
101	OFFICE	173.52 SF	B		2
102	OFFICE	173.44 SF	B		2
103	OFFICE	164.45 SF	B		2
106	JAN	83.84 SF	B		1
107	IT ROOM	79.14 SF	B		1
109	CAR WASH BAYS	4,177.34 SF	B		28
110	CAR WASH EQUIP ROOM	738.83 SF	B		3
111	STORAGE / W&D ROOM	135.29 SF	B		1
112	ELECTRICAL ROOM	138.98 SF	B		1
113	VACUUM ROOM	163.67 SF	B		1
114	WWF ROOM	47.32 SF	B		1
120	FUELING CANOPY	5,395.63 SF	B		18
TOTAL OCCUPANT LOAD					69

OCCUPANT LOAD CALCULATIONS (S-1)

Room Information			Occupancy Requirements		
Number	Name	Area	Type	OLF	Occupancy Load
108	MAINTENANCE BAYS	2,285.91 SF	S-1		8
TOTAL OCCUPANT LOAD					8

LIFE SAFETY PLAN LEGEND

EXIT ACCESS TRAVEL DISTANCE:

MAX= 200'
TD= LENGTH

- TRAVEL PATH
- MAXIMUM TRAVEL DISTANCE ALLOWED
- CALCULATED TRAVEL DISTANCE

OCCUPANCY SYMBOL:

ROOM NAME
OCCUPANCY CATERGORY

Room Names
H-9 | 00 | 100.0
100 SF
OL : 000

- DOOR CAPACITY FACTOR
- OCCUPANT LOAD FACTOR
- AREA
- OCCUPANT LOAD

FIRE EXTINGUISHER SYMBOLS:

- FEC — FIRE EXTINGUISHER CABINET (SURFACE MOUNTED - ADA ACCESSIBLE)
- FEC-R — FIRE EXTINGUISHER CABINET (FULLY RECESSED - ADA ACCESSIBLE)
- FEC-F — EXTERIOR COLUMN MOUNTED FIRE EXTINGUISHER IN CABINET - REFER TO FUELING DRAWINGS FOR FURTHER INFORMATION (SURFACE MOUNTED - ADA ACCESSIBLE)

EGRESS SYMBOL:

- **32" CLR** — CLEAR DOOR WIDTH PROVIDED
- **160 MAX** — MAX ALLOWED OCCUPANTS
- **27 OCC** — CALCULATED OCCUPANTS

EXIT SIGN SYMBOLS:

- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN

OCCUPANCY CLASSIFICATION

- B - BUSINESS
- S1 - STORAGE

WALL RATING LEGEND

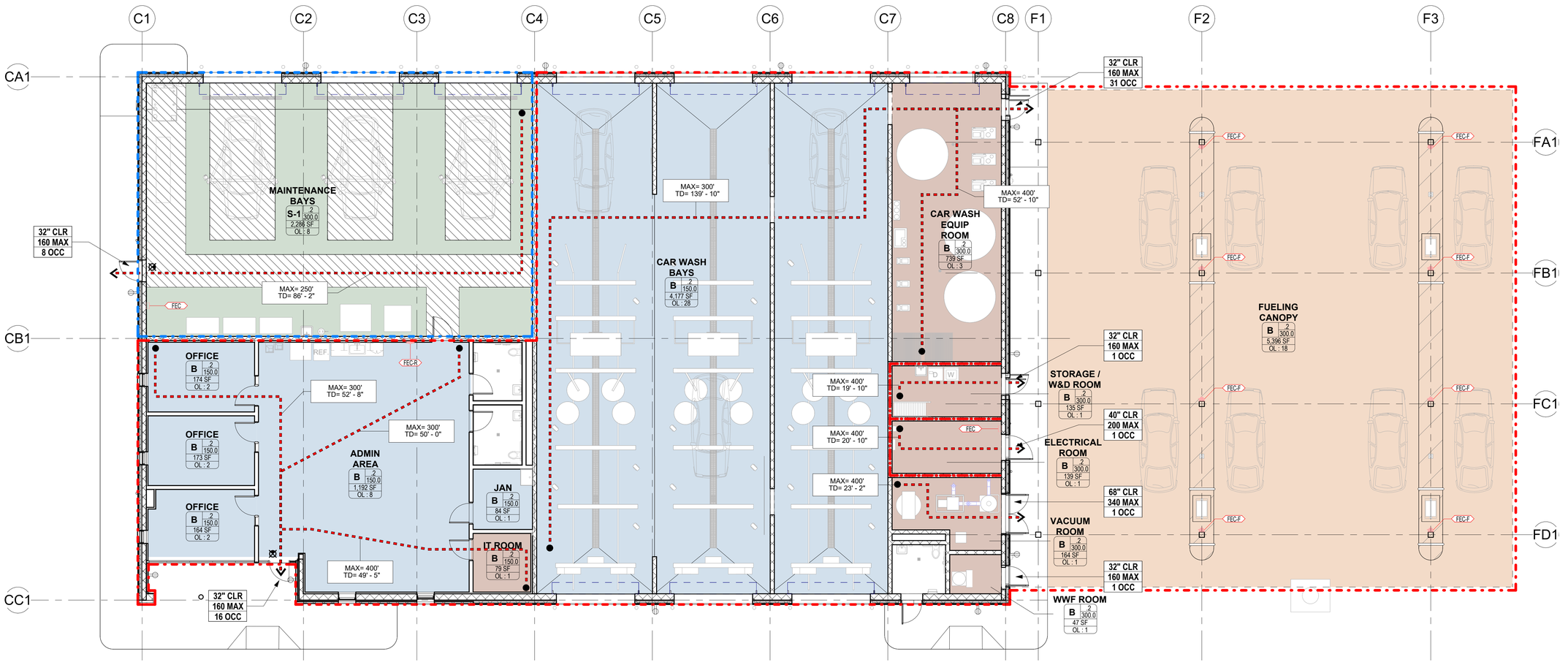
- 1 HR RATED WALL

LIFE SAFETY GENERAL NOTES

1. ANY DOOR SHOWN IN RATED ASSEMBLIES SHALL ALSO BE RATED AS REQUIRED. REFERENCE DOOR SCHEDULE.
2. ANY SIZES INDICATED ON THIS PLAN ARE FOR LIFE SAFTETY REVIEW ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES OR SIZES.
3. ALL LIFE SAFETY DEVICES SHOWN ARE REQUIRED, BUT PRODUCT TYPES, DETAILS, MEANS, AND METHODS MUST BE FULLY COORDINATED BY THE CONTRACTOR.
4. MINIMUM SETBACKS SHOWN FOR REFERENCE ONLY IN THESE DRAWINGS.
5. REFER TO SERIES A1.00 FOR ACCESSIBLE ROUTES
6. DO NOT SCALE DIMENSIONS FROM DRAWINGS, ANY UNKNOWN DIMENSIONS SHALL BE OBTAINED FROM DESIGN PROFESSIONALS.
7. ROOM AND DOOR NUMBERS ARE FOR CONSTRUCTION & DESIGN COORDINATION. FINAL ROOM NAMES AND NUMBERS SHALL BE CONFIRMED PRIOR TO FABRICATION OF SIGNAGE.
8. FURNITURE SHOWN IS BY OTHERS AND IS FOR PLANNING PURPOSES ONLY.
9. FIRE EXTINGUISHERS SHALL BE INSTALLED PER NFPA 10.

FUNCTION OF SPACE (RE: TABLE 1004.1.2)

- BUSINESS
- MERCANTILE
- STORAGE (BUSINESS)
- STORAGE (S-1)



1 1/8" = 1'-0" **LIFE SAFETY PLAN - BUILDING A**

BUILDING A | BUILDING B | BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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ENG/ARCH NAME
FL LICENSE NUMBER XXXXX

PROJECT NUMBER	DESIGNED BY	Designer
R1003144.00	DRAWN BY	Author
DATE 04/16/2021	CHECKED BY	Checker
As indicated		

LIFE SAFETY PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
LS100A

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PLUMBING FIXTURE COUNTS (IBC TABLE 2902.1)

BUSINESS OCCUPANCY

CLASSIFICATION	# OF OCCUPANTS	WATER CLOSETS	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
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Business [B]	71 TOTAL M = 36, F = 35	2 / 2	2 / 2	-	1 / 1	1 / 1

S-1 OCCUPANCY

CLASSIFICATION	# OF OCCUPANTS	WATER CLOSETS	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
		(Req./ Prov.)	(Req./ Prov.)		(Req./ Prov.)	(Req./ Prov.)
Storage [S-1]	8 TOTAL M = 4, F = 4	1 / 1	1 / 1	SEE IPC	1 / 1	1 / 1

OCCUPANT LOAD CALCULATIONS (BUSINESS)

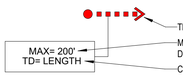
Room Information			Occupancy Requirements		
Number	Name	Area	Type	OLF	Occupancy Load
200	ADMIN AREA	1,191.46 SF	B		8
201	OFFICE	173.48 SF	B		2
202	OFFICE	173.48 SF	B		2
203	OFFICE	164.21 SF	B		2
206	JAN	81.44 SF	B		1
207	IT ROOM	79.14 SF	B		1
209	CAR WASH BAYS	4,176.17 SF	B		28
210	CAR WASH EQUIP ROOM	711.75 SF	B		3
211	STORAGE/ W&D ROOM	130.33 SF	B		1
212	ELECTRICAL ROOM	133.88 SF	B		1
213	VACUUM ROOM	158.58 SF	B		1
214	WWF ROOM	47.32 SF	B		1
220	FUELING CANOPY	5,851.04 SF	B		20
TOTAL OCCUPANT LOAD					71

OCCUPANT LOAD CALCULATIONS (S-1)

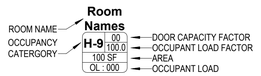
Room Information			Occupancy Requirements		
Number	Name	Area	Type	OLF	Occupancy Load
208	MAINTENANCE BAYS	2,286.52 SF	S-1		8
TOTAL OCCUPANT LOAD					8

LIFE SAFETY PLAN LEGEND

EXIT ACCESS TRAVEL DISTANCE:



OCCUPANCY SYMBOL:



FIRE EXTINGUISHER SYMBOLS:

FEC	FIRE EXTINGUISHER CABINET (SURFACE MOUNTED - ADA ACCESSIBLE)
FEC-R	FIRE EXTINGUISHER CABINET (FULLY RECESSED - ADA ACCESSIBLE)
FEC-F	EXTERIOR COLUMN MOUNTED FIRE EXTINGUISHER IN CABINET - REFER TO FUELING DRAWINGS FOR FURTHER INFORMATION (SURFACE MOUNTED - ADA ACCESSIBLE)

EGRESS SYMBOL:

32" CLR	CLEAR DOOR WIDTH PROVIDED
160 MAX	MAX ALLOWED OCCUPANTS
27 OCC	CALCULATED OCCUPANTS

EXIT SIGN SYMBOLS:

CEILING MOUNTED EXIT SIGN

WALL MOUNTED EXIT SIGN

OCCUPANCY CLASSIFICATION

B - BUSINESS

S1 - STORAGE

WALL RATING LEGEND

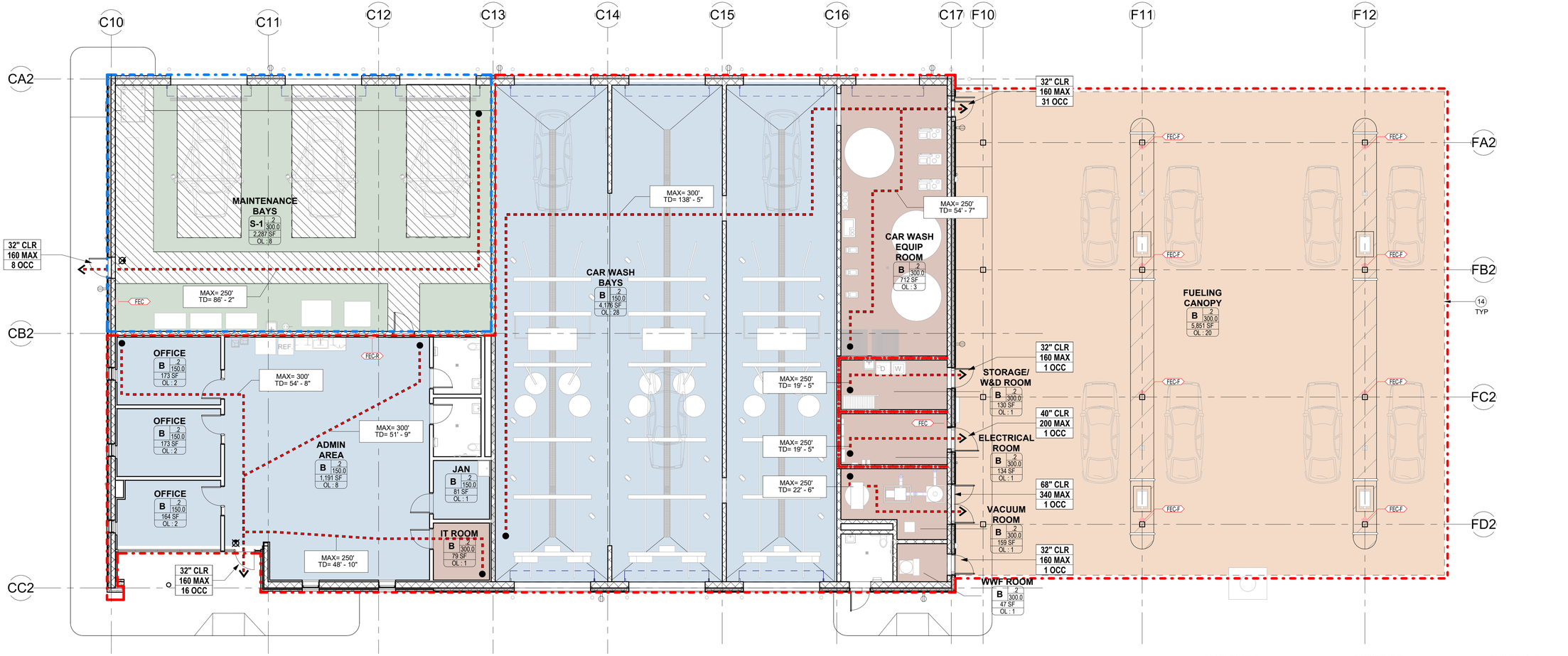
1 HR RATED WALL

LIFE SAFETY GENERAL NOTES

1. ANY DOOR SHOWN IN RATED ASSEMBLIES SHALL ALSO BE RATED AS REQUIRED. REFERENCE DOOR SCHEDULE.
2. ANY SIZES INDICATED ON THIS PLAN ARE FOR LIFE SAFTETY REVIEW ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES OR SIZES.
3. ALL LIFE SAFETY DEVICES SHOWN ARE REQUIRED, BUT PRODUCT TYPES, DETAILS, MEANS, AND METHODS MUST BE FULLY COORDINATED BY THE CONTRACTOR.
4. MINIMUM SETBACKS SHOWN FOR REFERENCE ONLY IN THESE DRAWINGS.
5. REFER TO SERIES A1.00 FOR ACCESSIBLE ROUTES
6. DO NOT SCALE DIMENSIONS FROM DRAWINGS, ANY UNKNOWN DIMENSIONS SHALL BE OBTAINED FROM DESIGN PROFESSIONALS.
7. ROOM AND DOOR NUMBERS ARE FOR CONSTRUCTION & DESIGN COORDINATION. FINAL ROOM NAMES AND NUMBERS SHALL BE CONFIRMED PRIOR TO FABRICATION OF SIGNAGE.
8. FURNITURE SHOWN IS BY OTHERS AND IS FOR PLANNING PURPOSES ONLY.
9. FIRE EXTINGUISHERS SHALL BE INSTALLED PER NFPA 10.

FUNCTION OF SPACE (RE: TABLE 1004.1.2)

- BUSINESS
- MERCANTILE
- STORAGE (BUSINESS)
- STORAGE (S-1)



BUILDING A BUILDING B BUILDING C

SITE KEY

1 1/8" = 1'-0" **LIFE SAFETY PLAN - BUILDING B**

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER XXXXX

PROJECT NUMBER R10003144.00	DESIGNED BY Designer	DRAWN BY Author	CHECKED BY Checker
DATE 04/16/2021	As indicated		

LIFE SAFETY PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
LS100B

PLUMBING FIXTURE COUNTS (IBC TABLE 2902.1)

BUSINESS OCCUPANCY

CLASSIFICATION	# OF OCCUPANTS	WATER CLOSETS	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
		(Req./ Prov.)	(Req./ Prov.)		(Req./ Prov.)	(Req./ Prov.)
Business [B]	52 TOTAL M = 26, F = 26	2 / 2	2 / 2	-	1 / 1	1 / 1

S-1 OCCUPANCY

CLASSIFICATION	# OF OCCUPANTS	WATER CLOSETS	LAVATORIES	BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
		(Req./ Prov.)	(Req./ Prov.)		(Req./ Prov.)	(Req./ Prov.)
Storage [S-1]	8 TOTAL M = 4, F = 4	1 / 1	1 / 1	SEE IPC	1 / 1	1 / 1

OCCUPANT LOAD CALCULATIONS (BUSINESS)

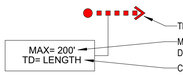
Room Information			Occupancy Requirements		
Number	Name	Area	Type	OLF	Occupancy Load
300	ADMIN AREA	828.19 SF	B		6
300B	BREAK ROOM	Redundant Room	B		3
301	OFFICE	184.67 SF	B		2
302	OFFICE	187.62 SF	B		2
303	JAN	22.81 SF	B		1
305	IT ROOM	64.62 SF	B		1
307	CAR WASH BAYS	2,772.27 SF	B		19
308	CAR WASH EQUIP ROOM	637.91 SF	B		3
309	STORAGE/ W&D ROOM	203.38 SF	B		1
310	ELECTRICAL ROOM	133.76 SF	B		1
311	VACUUM ROOM	158.46 SF	B		1
312	WWF ROOM	47.32 SF	B		1
320	FUELING CANOPY	3,191.13 SF	B		11
TOTAL OCCUPANT LOAD					52

OCCUPANT LOAD CALCULATIONS (S-1)

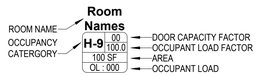
Room Information			Occupancy Requirements		
Number	Name	Area	Type	OLF	Occupancy Load
108	MAINTENANCE BAYS	2,285.91 SF	S-1		8
TOTAL OCCUPANT LOAD					8

LIFE SAFETY PLAN LEGEND

EXIT ACCESS TRAVEL DISTANCE:



OCCUPANCY SYMBOL:



FIRE EXTINGUISHER SYMBOLS:

FEC	FIRE EXTINGUISHER CABINET (SURFACE MOUNTED - ADA ACCESSIBLE)
FEC-R	FIRE EXTINGUISHER CABINET (FULLY RECESSED - ADA ACCESSIBLE)
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EGRESS SYMBOL:

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160 MAX	MAX ALLOWED OCCUPANTS
27 OCC	CALCULATED OCCUPANTS

EXIT SIGN SYMBOLS:

CEILING MOUNTED EXIT SIGN

WALL MOUNTED EXIT SIGN

OCCUPANCY CLASSIFICATION

B - BUSINESS

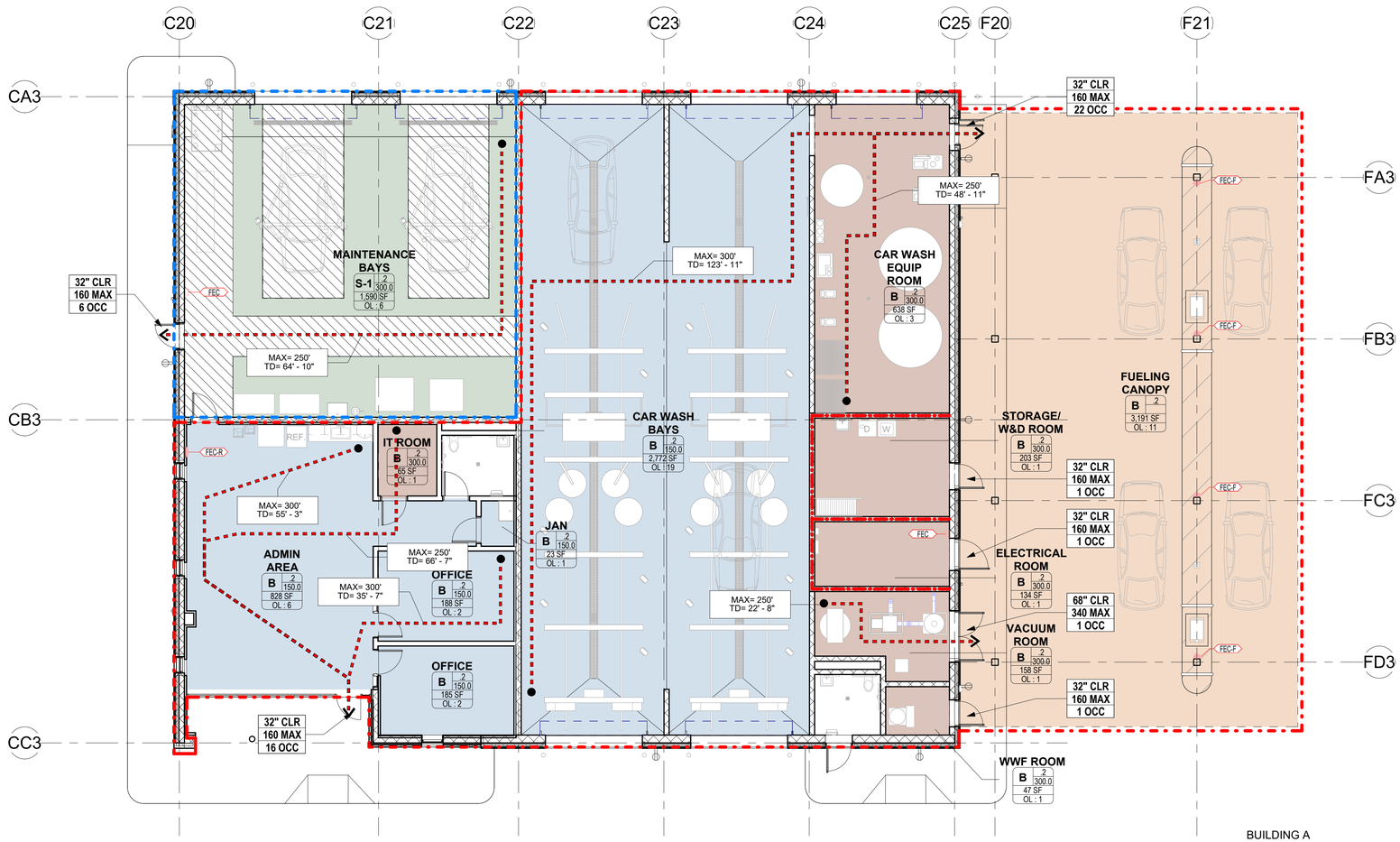
S1 - STORAGE

WALL RATING LEGEND

1 HR RATED WALL

LIFE SAFETY GENERAL NOTES

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9. FIRE EXTINGUISHERS SHALL BE INSTALLED PER NFPA 10.



BUILDING A

BUILDING B

BUILDING C

SITE KEY

1 1/8" = 1'-0" **LIFE SAFETY PLAN - BUILDING C**

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER
XXXXX

PROJECT NUMBER	DESIGNED BY	Designer
R1003144.00	As indicated	
DATE	DRAWN BY	Author
04/16/2021	CHECKED BY	Checker

LIFE SAFETY PLAN - BUILDING C

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT

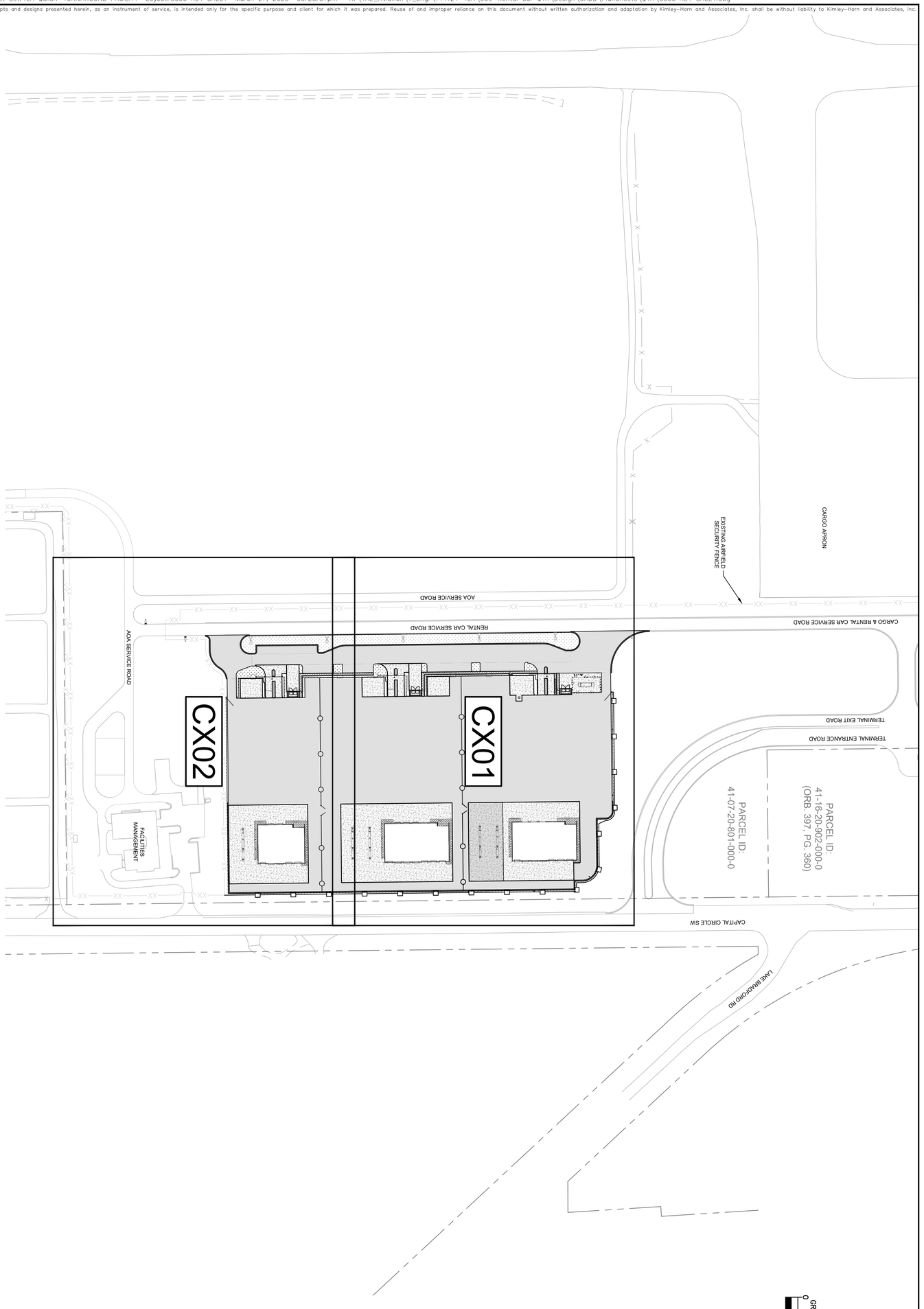
CITY OF TALLAHASSEE FLORIDA

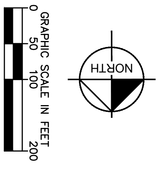
SHEET NUMBER
LS100C

Plotted By: Cashin, Matthew Sheet Set: TLH QUICK-TURNAROUND FACILITY Layout: C000 KEY SHEET March 27, 2025 05:23:37pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C000 KEY SHEET.dwg

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DIAL 811
811
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SUNSHINE STATE ONE CALL OF FLORIDA, INC.





SHEET NUMBER C000

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

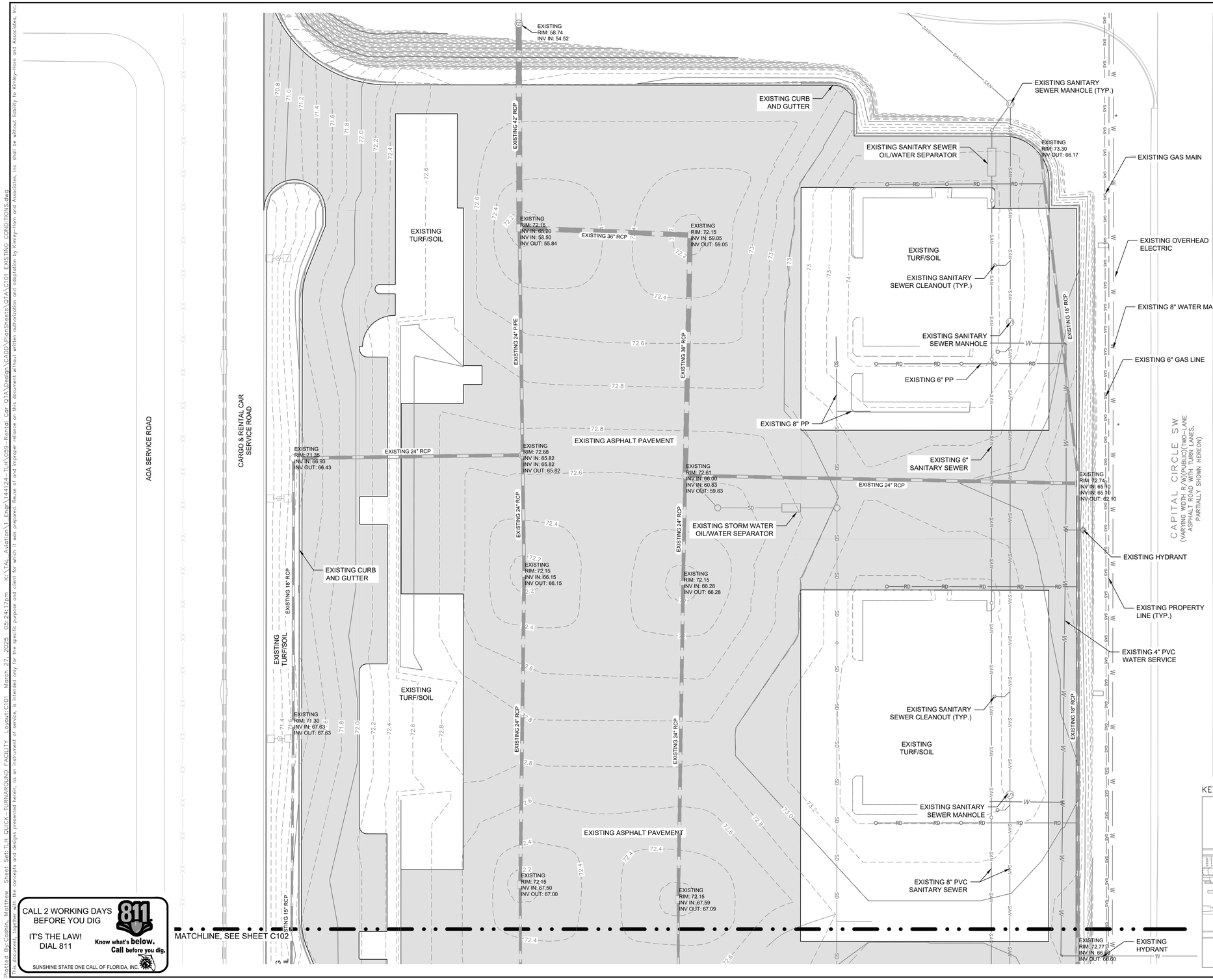
KEY SHEET

KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SHB
DRAWN BY	TLB
CHECKED BY	CAC

LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
88587
DATE: _____

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No.	REVISIONS	DATE	BY



NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

UTILITY NOTES:

1. EXISTING ASPHALT AND UNDERGROUND UTILITIES ARE FROM QTA SITE PREP PHASES 1 AND 2 DESIGN PLANS. CONTRACTOR SHALL FIELD VERIFY ASPHALT AND UTILITY DATA WITH LOCATIONS SHOWN IN THESE PLANS.

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

CONNOR A. CHAMBLISS

FLORIDA LICENSE NUMBER 88587

DATE: _____

KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SHB
DRAWN BY	TLB
CHECKED BY	CAC

EXISTING CONDITIONS

QUICK-TURNAROUND FACILITY

PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C101

Plotted By:Coshin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C101 March 27, 2025 05:24:17pm K:\TAL_Aviation\1-Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C101 EXISTING CONDITIONS.dwg
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MATCHLINE, SEE SHEET C101

EXISTING 15" RCP

EXISTING TURF/SOIL

EXISTING CURB AND GUTTER

EXISTING RIM: 71.65 INV OUT: 68.68

CARGO & RENTAL CAR SERVICE ROAD

AOA SERVICE ROAD

EXISTING TURF/SOIL

EXISTING 18" RCP

EXISTING ASPHALT PAVEMENT

EXISTING RIM: 72.15 INV OUT: 68.37

EXISTING RIM: 72.15 INV IN: 67.59 INV OUT: 67.09

EXISTING RIM: 72.15 INV OUT: 68.37

EXISTING TURF/SOIL

EXISTING 18" RCP

EXISTING RIM: 72.77 INV IN: 66.60 INV OUT: 66.80

EXISTING HYDRANT

EXISTING OVERHEAD ELECTRIC

EXISTING 8" WATER MAIN

EXISTING 6" GAS LINE

CAPITAL CIRCLE SW

EXISTING RIM: 72.68 INV OUT: 67.77

EXISTING AIRFIELD SECURITY FENCE

EXISTING PROPERTY LINE (TYP.)

EXISTING GATE 8

EXISTING GATE 7

AOA SERVICE ROAD

SERVICE ROAD

EXISTING FACILITIES MAINTENANCE

2-SIDED METAL BUILDING

CAPITAL CIRCLE SW
(VARYING WIDTH R/W)(PUBLIC)(TWO-LANE ASPHALT ROAD WITH TURN LANES, PARTIALLY SHOWN HEREON)

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

KEY MAP

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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FLORIDA LICENSE NUMBER
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DATE: ____

KHA PROJECT 144124117	DATE JAN 2025
SCALE AS SHOWN	
DESIGNED BY SHB	
DRAWN BY TLB	
CHECKED BY CAC	

EXISTING CONDITIONS

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C102

Plotted By: Cashin, Matthew Sheet Set: TLH QUICK-TURNAROUND FACILITY Layout: C102 March 27, 2025 05:24:19pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C101 EXISTING CONDITIONS.dwg
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CAPITAL CIRCLE SW

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

EXISTING PROPERTY LINE

EXISTING OVERHEAD ELECTRIC (TYP.)

EXISTING CHAIN LINK FENCE

EXISTING 8" PVC SANITARY SEWER (TYP.)

EXISTING WATER SERVICE (TYP.)

EXISTING METAL SHED

EXISTING UNDERGROUND ELECTRIC (TYP.)

EXISTING MOBILE BUILDING

EXISTING METAL SHED

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

EXISTING ASPHALT PAVEMENT

EXISTING ASPHALT PAVEMENT

EXISTING METAL SHED

EXISTING BUILDING OVERHANG

EXISTING METAL CARPORT

EXISTING ASPHALT PAVEMENT

EXISTING ASPHALT PAVEMENT

CATCH BASIN (FULL OF DIRT)
(4) PVC DRAIN PIPES ABOVE GRADE

KEY MAP

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
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CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
88587
DATE: ____

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	JAN 2025	AS SHOWN	SHB	TLB	CAC

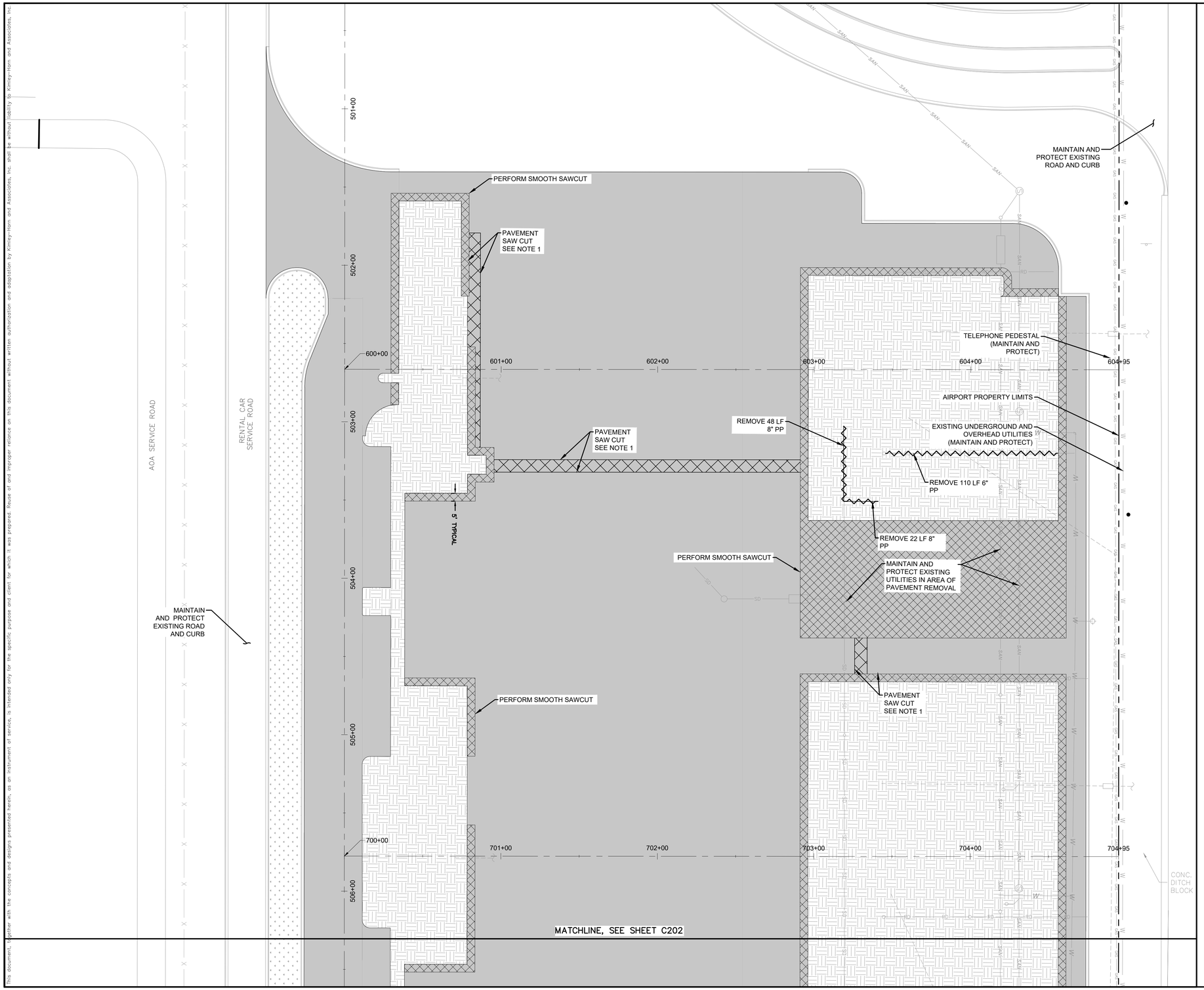
EXISTING CONDITIONS

QUICK-TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C103

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C103 March 27, 2025 05:24:23pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C101 EXISTING CONDITIONS.dwg
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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

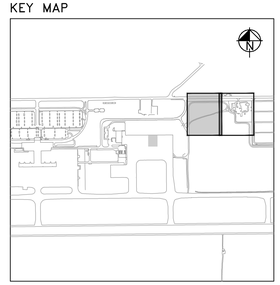
NOTE:

1. CONTRACTOR SHALL COORDINATE IN THE FIELD REQUIRED TRENCH FOR FUEL PIPE INSTALLATION PRIOR TO PERFORMING SMOOTH SAW CUT OF EXISTING ASPHALT PAVEMENT.
2. DEPTH OF EXCAVATION VARIES, REFER TO PROPOSED PAVEMENT GRADES AND PAVEMENT SECTIONS FOR DEPTHS.

LEGEND

- EXCAVATE EXISTING SOIL (SEE NOTE 2)
- EXISTING FIRST LIFT OF ASPHALT PAVEMENT
- EXISTING SOD TO REMAIN
- FUEL PIPE TRENCH
- REMOVE ASPHALT PAVEMENT (FULL DEPTH)
- SAN — EXISTING SANITARY SEWER PIPE
- SD — EXISTING STORM DRAIN PIPE
- W — EXISTING WATER MAIN PIPE
- GAS — EXISTING GAS MAIN
- DEMOLISH EXISTING DRAINAGE PIPE
- X — EXISTING AIRPORT SECURITY FENCE

KEY MAP



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WWW.KIMLEY-HORN.COM CA 00000696

Michael Baker INTERNATIONAL
MICHAEL BAKER INTERNATIONAL, INC.
2211 ROLAND CLARKE PLACE, SUITE 220
TALLAHASSEE, FLORIDA 32308 (850) 201-2502
CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

KHA PROJECT 144124117		
DATE JAN 2025	SCALE	AS SHOWN
	DESIGNED BY	SMS
	DRAWN BY	MC
	CHECKED BY	NEP

DEMOLITION PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C201

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MATCHLINE, SEE SHEET C201

AOA SERVICE ROAD

RENTAL CAR SERVICE ROAD

507+00

508+00

509+00

510+00

510+29

800+00

801+00

802+00

803+00

804+00

804+95

PERFORM SMOOTH SAWCUT

PAVEMENT SAW CUT SEE NOTE 1

PERFORM SMOOTH SAWCUT

PERFORM SMOOTH SAWCUT

5'TYPICAL

FIRE HYDRANT (MAINTAIN AND PROTECT)

W

AIRPORT PROPERTY LIMITS

MAINTAIN AND PROTECT EXISTING ROAD

FUEL TANK AND BOLLARDS (MAINTAIN AND PROTECT)

EXISTING FIRE HYDRANT (MAINTAIN AND PROTECT)

PROTECT EXISTING ASPHALT PAVEMENT

LIGHT POLES (MAINTAIN AND PROTECT)

EXISTING POND (MAINTAIN AND PROTECT)

PROTECT EXISTING ASPHALT PAVEMENT

EXISTING BUILDING

EXISTING BUILDING

MAINTAIN AND PROTECT EXISTING ROAD

SERVICE ROAD

SERVICE ROAD

MAINTAIN AND PROTECT EXISTING ROAD

EXISTING POLE BARN

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

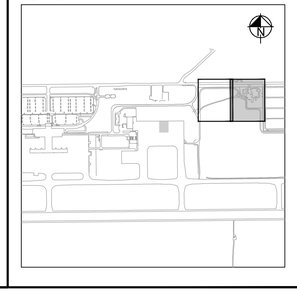
NOTE:

1. CONTRACTOR SHALL COORDINATE IN THE FIELD REQUIRED TRENCH FOR FUEL PIPE INSTALLATION PRIOR TO PERFORMING SMOOTH SAW CUT OF EXISTING ASPHALT PAVEMENT.
2. DEPTH OF EXCAVATION VARIES, REFER TO PROPOSED PAVEMENT GRADES AND PAVEMENT SECTIONS FOR DEPTHS.
3. NEW AOA FENCE TO BE CONSTRUCTED PRIOR TO REMOVING EXISTING AOA FENCE.

LEGEND

- EXCAVATE EXISTING SOIL (SEE NOTE 2)
- EXISTING FIRST LIFT OF ASPHALT PAVEMENT
- EXISTING SOD TO REMAIN
- FUEL PIPE TRENCH
- REMOVE ASPHALT PAVEMENT (FULL DEPTH)
- SAN — EXISTING SANITARY SEWER PIPE
- SD — EXISTING STORM DRAIN PIPE
- W — EXISTING WATER MAIN PIPE
- GAS — EXISTING GAS MAIN
- DEMOLISH EXISTING DRAINAGE PIPE
- X — EXISTING AIRPORT SECURITY FENCE

KEY MAP



No.	REVISIONS	DATE	BY

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TALLAHASSEE, FLORIDA 32301 (850) 201-2502
CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

KHA PROJECT 144124117	DATE JAN 2025	SCALE AS SHOWN	DESIGNED BY SMS	DRAWN BY MC	CHECKED BY NEP

DEMOLITION PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C202

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CAPITAL CIR SW

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

INSET A

REMOVE 282 LF OF 8" PVC SANITARY SEWER PIPE

PLUG MANHOLE AFTER 8" PVC PIPE REMOVAL

DIR. ONLY (8" PVC)

SANITARY MANHOLE
RIM EL. = 58.66
N INV. EL. = 51.90
SW INV. EL. = 51.82

SANITARY MANHOLE
RIM EL. = 63.15
N INV. EL. = 56.94
S INV. EL. = 56.94

DIR. ONLY (6" PVC)

DRAINAGE MANHOLE
RIM EL. = 62.16
N INV. EL. = 59.26
E INV. EL. = 59.02
W INV. EL. = 58.59

WOOD STAIRS

#3215
2-STORY METAL BUILDING

DIR. ONLY (4" PVC)

5.9' X 11.6' METAL SHED

REMOVE OVERHEAD ELECTRICAL

REMOVE 223 LF OF 8" PVC SANITARY SEWER PIPE

SEE INSET "A" ON THIS SHEET

SEE INSET A ON THIS SHEET

EXISTING FENCE (TO BE REMOVED)

EXISTING WATER MAIN AND ALL APPURTENANCES TO BE REMOVED, CONTRACTOR TO FIELD VERIFY EXISTING WATER MAIN BEFORE REMOVAL. (TYP.)"

SANITARY MANHOLE
RIM EL. = 63.15
N INV. EL. = 56.94
S INV. EL. = 56.94
(TO BE REMOVED)

SPEED BUMP

SANITARY MANHOLE
RIM EL. = 65.61
NE INV. EL. = 57.64
S INV. EL. = 57.57

DIR. ONLY (4" PVC)

ALUMINUM SHED (TO BE REMOVED)

EXISTING BUILDING (TO BE REMOVED)

EXISTING FENCE (TO BE REMOVED)

CATCH BASIN
GRATE EL. = 64.90
W INV. EL. = 64.16
S INV. EL. = 64.05
(TO BE REMOVED)

CATCH BASIN
GRATE EL. = 65.79
E INV. EL. = 64.95
(TO BE REMOVED)

REMOVE OVERHEAD ELECTRICAL

PROTECT EXISTING ASPHALT PAVEMENT

SAWCUT ASPHALT FOR A CLEAN EDGE

EXISTING WATER MAIN AND ALL APPURTENANCES TO BE REMOVED, CONTRACTOR TO FIELD VERIFY EXISTING WATER MAIN BEFORE REMOVAL. (TYP.)"

PROTECT EXISTING FENCE AND GATE

REMOVE OVERHEAD ELECTRICAL

BOLLARD (TO BE REMOVED-TYP.)

BOLLARD

EXISTING BUILDING (TO BE REMOVED)

#3201
1-STORY BUILDING

BUILDING

BUILDING OVERHANG (GAS PUMPS & VACUUMS IN AREA)

(TO BE REMOVED)

METAL STAIRS (TO BE REMOVED)

DIR. ONLY (4" PVC)

DIR. ONLY (4" PVC) (TO BE REMOVED)

CATCH BASIN
GRATE EL. = 65.98
E INV. EL. = 65.15
(TO BE REMOVED)

CATCH BASIN
GRATE EL. = 66.45
(TO BE REMOVED)

ABOVE GROUND FUEL TANK ON CSL
(TO BE REMOVED BY OTHERS)

UNABLE TO ACCESS MANHOLES (VEHICLES BLOCKING ACCESS)
(TO BE REMOVED)

BOLLARD
(TO BE REMOVED-TYP.)

CONTRACTOR TO INSTALL NEW GUY ANCHOR TO SPORT EXISTING UTILITY LINE

EXISTING FENCE (MAINTAIN AND PROTECT)

EXISTING FENCE (TO BE REMOVED)

DIR. ONLY (6" PVC)

WOOD STAIRS (TO BE REMOVED)

DRAINAGE MANHOLE
RIM EL. = 62.16
N INV. EL. = 59.26
E INV. EL. = 59.02
W INV. EL. = 58.59
(TO BE REMOVED)

#3215
2-STORY METAL BUILDING

DIR. ONLY (4" PVC)

DIR. ONLY (8" PVC)

5.9' X 11.6' METAL (TO BE REMOVED)

CARPORT

BUILDING OVERHAND (CLEANING AND FUEL AREA)

CATCH BASIN
GRATE EL. = 61.77
W INV. EL. = 61.34
(4" PVC (FULL OF DIRT)
(TO BE REMOVED)

REMOVE OVERHEAD ELECTRICAL

9.8' X 15.7' METAL SHED (TO BE REMOVED)

VACUUM STATION

BUILDING OVERHANG (CLEANING AND FUEL AREA)

#4330
1-STORY BUILDING

EXISTING BUILDING (TO BE REMOVED)

VACUUM STATION

1-STORY MOBILE BUILDING

CLEANOUT

8.2' X 11.8' METAL SHED (TO BE REMOVED)

DIRT PILE

EXISTING RAMP (TO BE REMOVED)

GRADE FLAT STRIPPING TOP SOIL AREA

CATCH BASIN (FULL OF DIRT) (4) PVC DRAIN PIPES ABOVE GRADE (TO BE REMOVED)

EXISTING BUILDING (TO BE REMOVED)

EXISTING BUILDING (TO BE REMOVED)

REMOVE OVERHEAD ELECTRICAL

26901 CGP-1
26904 CGP-1
26907 CGP-1
26912 CGP-1
26915 CGP-1

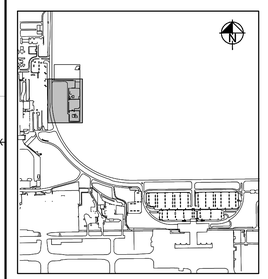
NOTE:

1. REMOVE ALL BUILDING FOUNDATIONS, SLABS ON GRADE, AND PAVEMENTS FULL-DEPTH. BACKFILL WITH AASHTO TYPE A-3 SOILS AND COMPACT IN 12-INCH MAXIMUM LOOSE LIFTS. COMPACT TO 95% MODIFIED PROCTOR. BACKFILL OF HOLES RESULTING FROM DEMOLITION OF THESE ITEMS SHALL GENERALLY MATCH THE PRE-DEMOLITION SURFACE ELEVATIONS UNLESS PROPOSED GRADES INDICATE OTHERWISE. REFER TO SHEET C353 FOR STABILIZATION PLAN.
2. ALL UNDERGROUND UTILITIES WITHIN CLEARING AND GRUBBING, STRIPPING, AND DEMOLITION LIMITS ARE TO BE REMOVED UNLESS SPECIFICALLY SHOWN TO REMAIN. LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES.
3. ALL WORK PROPOSED ON THIS SHEET SHALL BE PAID FOR UNDER CLEARING AND GRUBBING.

LEGEND

- REMOVE LINEAR FEATURE: FENCE, SPIKE STRIP, PIPE, OVERHEAD ELECTRIC LINE.
- REMOVE ASPHALT PAVEMENT AND BASE COURSE
- REMOVE CONCRETE PAVEMENT AND BASE COURSE
- BUILDING DEMOLITION
- L-R REMOVE LIGHT POLE AND ELECTRIC BOX
- E-R REMOVE ELECTRIC JUNCTION BOX
- OBJECT REMOVAL

KEY MAP



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KHA PROJECT 144124117			
DATE JAN. 2025	SCALE	AS SHOWN	
	DESIGNED BY	SMS	MC
	DRAWN BY	MC	NEP
	CHECKED BY	NEP	

DEMOLITION PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C203

CONSTRUCTION SEQUENCE:
THE INTENT OF THIS SEQUENCE IS TO MINIMIZE EROSION DURING INITIAL CONSTRUCTION. BMP'S MAY REQUIRE MODIFICATION AS NECESSARY THROUGHOUT CONSTRUCTION ACTIVITY.

PHASE 1:
1. PRE-CONSTRUCTION ENVIRONMENTAL PROTECTION/INSPECTION SCHEDULE.
   1.1. SCHEDULE A PRE-CONSTRUCTION MEETING WITH CITY OF TALLAHASSEE ENVIRONMENTAL INSPECTOR.
   1.2. POST ALL PERMIT PLACARDS, INCLUDE NPDES NOTICE OF INTENT.
   1.3. THE CONTRACTOR SHALL DESIGNATE (WITH WRITTEN DOCUMENTATION) AN ONSITE EROSION CONTROL OFFICER WITH 24 HOUR CONTACT INFORMATION.
   1.4. INSTALL PERIMETER EROSION CONTROLS INCLUDING CONSTRUCTION ENTRANCE AND TRUCK WASH PIT.
2. CONTRACTOR SHALL NOT ALLOW SEDIMENT TO RUNOFF TO EXISTING SWMFS.
3. INSPECT AND REPAIR THE PERIMETER EROSION CONTROLS, AS NECESSARY.

PHASE 2:
1. CLEAR AND GRUB SITE.
2. COMPLETE SITE GRADING IN ACCORDANCE WITH GRADING PLAN.
2. CONTRACTOR SHALL NOT ALLOW SEDIMENT TO RUNOFF TO EXISTING SWMFS.
3. INSTALL STORM SEWER COLLECTION SYSTEM.
4. INSTALL INLET PROTECTION AT ALL CONSTRUCTED INLETS.
5. INSTALL SANITARY SEWER SYSTEM.
6. INSTALL WATER LINES, IRRIGATION AND CONSTRUCT ROADWAY.
7. COMPLETE REMAINDER OF SITE WORK INCLUDING FINAL GRADING AND PAVING.
8. LANDSCAPE SOD AND SEED AS REQUIRED. ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED THROUGH THE ESTABLISHMENT OF APPROPRIATE VEGETATIVE GROUND COVER UPON COMPLETION OF DEVELOPMENT ACTIVITIES ON THE SITE.
9. CONSTRUCTION OF ALL PROPOSED INFRASTRUCTURE, INCLUDING THE FIRST LIFT OF ASPHALT, IS REQUIRED PRIOR TO COMMENCING ANY VERTICAL CONSTRUCTION.

EXISTING SWMF
PROJECT BOUNDARY
CONSTRUCTION EXIT (ASPHALT OR GRAVEL)
BUILDING A
BUILDING B
EXISTING ASPHALT PAVEMENT
INLET PROTECTION (TYP.)
EXISTING AIRFIELD SECURITY FENCE
AOA SERVICE ROAD
CARGO & RENTAL CAR SERVICE ROAD
MATCHLINE, SEE SHEET C302

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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

LEGEND
- PROJECT BOUNDARY
- SILT FENCE
- INLET PROTECTION
- CONSTRUCTION ENTRANCE
- SODDING (FDOT 570-1-1)
- SEEDING (FDOT 570-1-2)
- PROPOSED CONCRETE PAVEMENT
- PROPOSED CONCRETE SIDEWALK
- PROPOSED GRAVEL

BEST MANAGEMENT PRACTICES (BMP) NOTES:
1. CONTRACTOR SHALL COORDINATE WITH CITY GROWTH MANAGEMENT AND THE CITY'S ENVIRONMENTAL INSPECTOR.
2. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED, DURING ANY PHASE OF DEVELOPMENT, AT THE DISCRETION OF THE CITY OF TALLAHASSEE'S ENVIRONMENTAL INSPECTOR.
3. THE CONTRACTOR SHALL ENSURE THAT A FOREMAN OR SUPERVISOR WHO HAS BEEN CERTIFIED UNDER THE FLORIDA STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM IS AVAILABLE IN PERSON OR BY PHONE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES. INSPECTOR TO BE DESIGNATED AND AVAILABLE AT THE PRE-CONSTRUCTION MEETING.
4. SILT FENCE SHOWN ON THESE PLANS SHALL BE INSTALLED GENERALLY IN THE LOCATIONS INDICATED, ADJUSTED FOR FIELD CONSTRAINTS. ALL PROPOSED SILT FENCE LOCATED WITHIN THE CRITICAL PROTECTION ZONE OF A TREE SHALL BE OF A NON-TRENCHED VARIETY, UNLESS ARBORICULTURAL MITIGATION STATES OTHERWISE.
5. CONTRACTOR SHALL INSPECT AND REPAIR ALL BMP's AT LEAST ONCE A WEEK, AND AFTER EVERY SIGNIFICANT RAIN EVENT (> ½" OF RAINFALL.) A LOG OF SUCH INSPECTIONS SHALL BE MAINTAINED AT THE SITE.
6. ANY BMP IN NEED OF REPAIR OR REINSTALLATION SHALL BE CORRECTED BY THE CONTRACTOR WITHIN 24 HOURS OF IDENTIFICATION OF THE NEED FOR SUCH CORRECTION.
7. ADDITIONAL BMP MEASURES MAY BE NECESSARY TO ENSURE THAT TURBID WATER IS NOT DISCHARGED FROM THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN, THE N.P.D.E.S. PERMIT AND THE CONDITIONS OF THE APPLICABLE NWFWMD ENVIRONMENTAL RESOURCE PERMIT.
9. ALL DISTURBED AREAS TO BE LEFT IDLE LONGER THAN 14 DAYS MUST BE STABILIZED WITH QUICK GROW GRASS SEED AND MULCH.
10. NO TRENCHING OR EXCAVATION SHALL BE ALLOWED WITHIN THE CPZ OF PROTECTED TREES, EXCEPT WHERE DEBITS HAVE BEEN NOTED ON THE TREE REMOVAL PLANS OR WHERE TREES ARE TO BE IMPACTED/MITIGATED PER THE TREE MITIGATION PLANS.
11. STREET SWEEPING WILL BE REQUIRED AS NECESSARY.
12. IMPROVEMENTS SHOWN FOR REFERENCE ONLY.
13. COORDINATE DISPOSAL OF EXCAVATED MATERIAL WITH OWNER.
14. NO SILT FENCE TRENCHING WILL ALLOWED IN THE CPZ OF ANY TREES THAT ARE TO BE SAVED. IN THOSE AREAS, STAKED 12" DIAMETER FIBER LOGS ARE TO BE USED.

KEY MAP

No.	REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM

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CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER 88587
DATE: ____

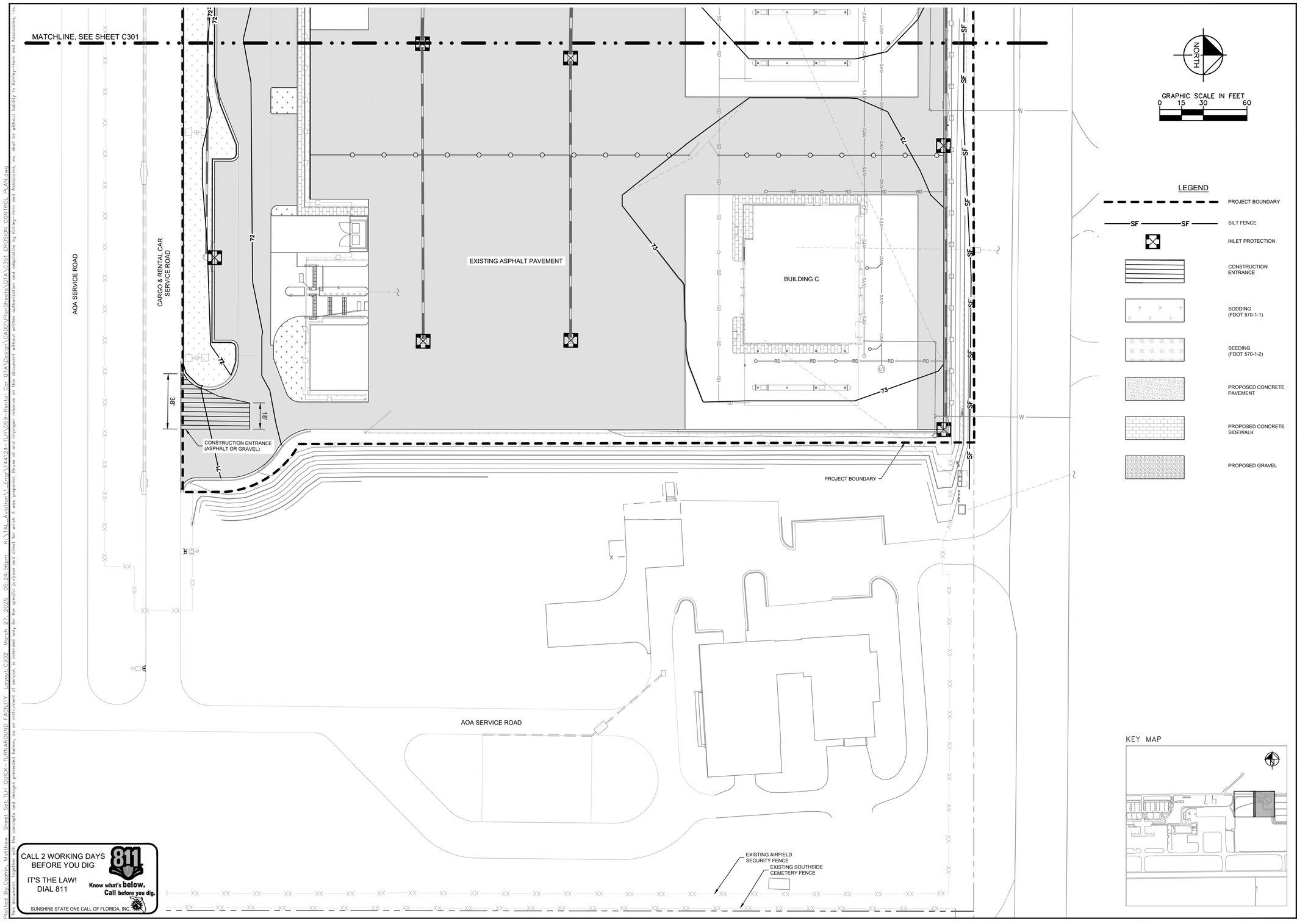
KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

EROSION CONTROL PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C301

Plotted By: Caslin, Matthew Sheet Set: TLH QUICK-TURNAROUND FACILITY Layout: C301 March 27, 2025 05:24:53pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C351 EROSION CONTROL PLAN.dwg
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CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
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DATE: _____

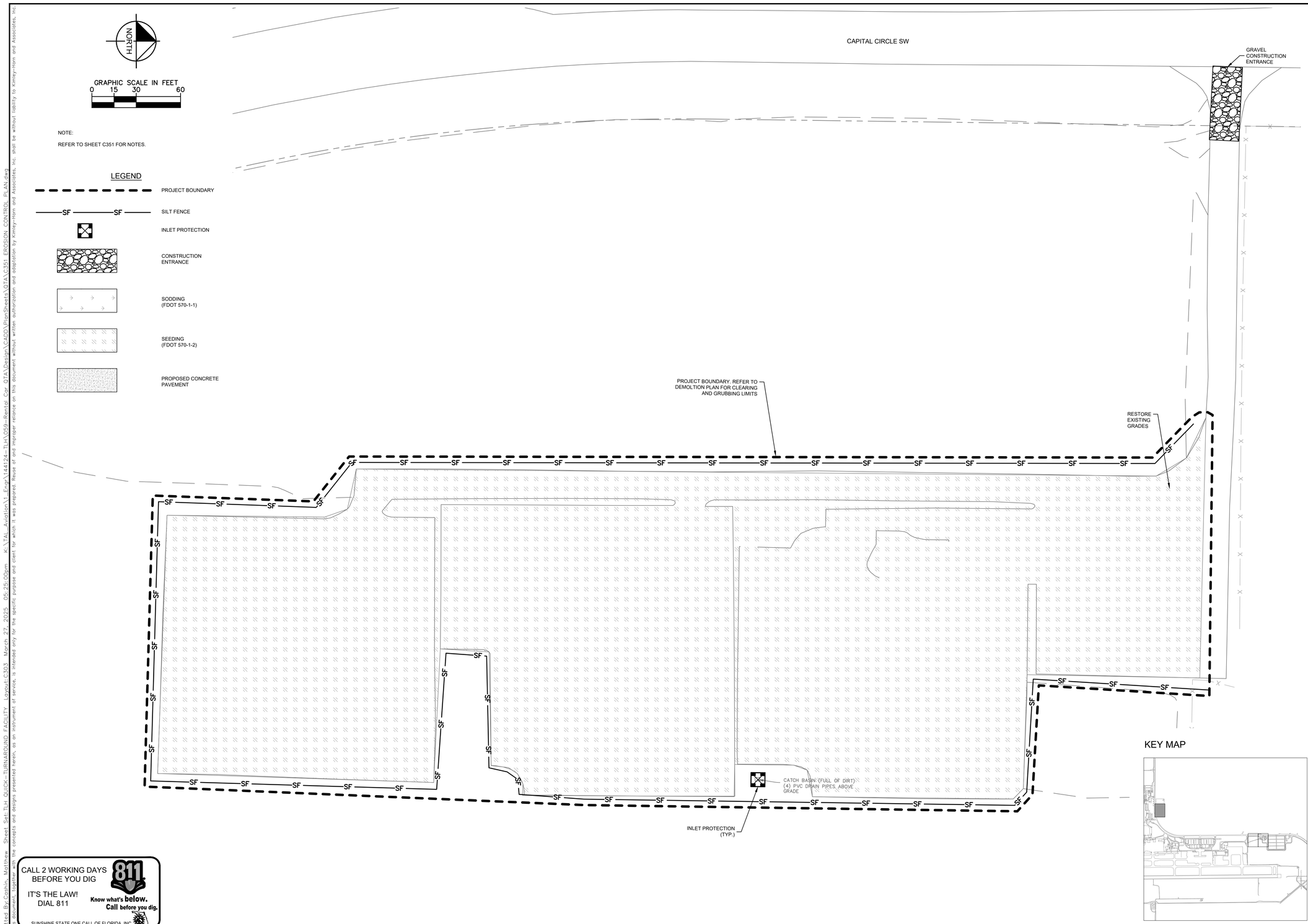
KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

EROSION CONTROL PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C302

Plotted By:Coshin, Matthew Sheet Set: TLH QUICK-TURNAROUND FACILITY Layout: C302 March 27, 2025 05:24:56pm K:\TAL_Aviation\1-Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C351 EROSION CONTROL PLAN.dwg
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LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
88587
DATE: ____

KHA PROJECT		DESIGNED BY	SHB
144124117		DRAWN BY	TLB
DATE	JAN 2025	CHECKED BY	CAC
SCALE	AS SHOWN		

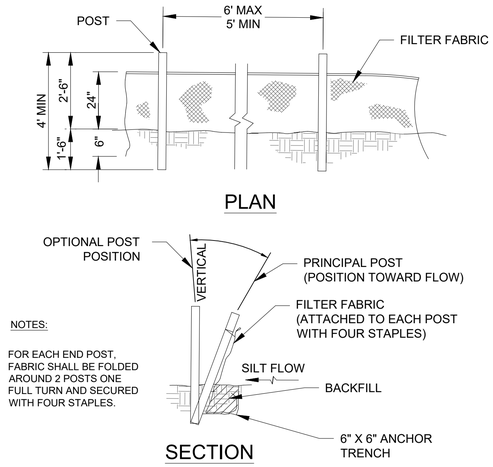
EROSION CONTROL PLAN

QUICK-TURNAROUND FACILITY

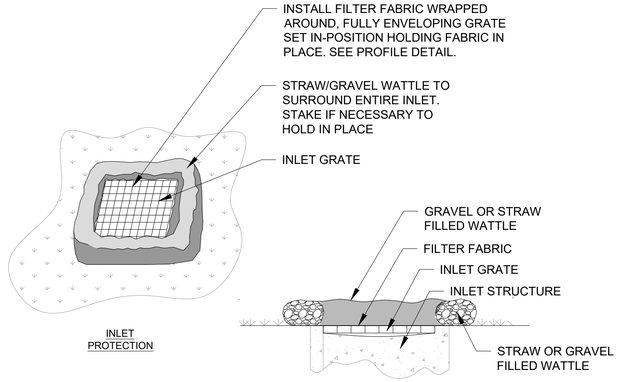
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C303

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C303 March 27, 2025 05:25:00pm K:\TAL_Aviation\1-Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C351 EROSION CONTROL PLAN.dwg
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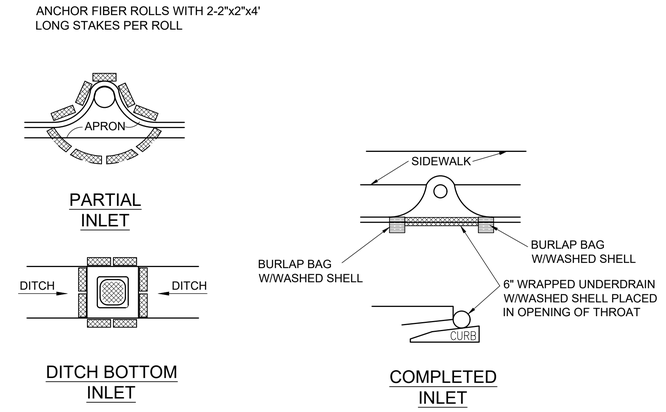


1 C354 SILT FENCE
NOT TO SCALE

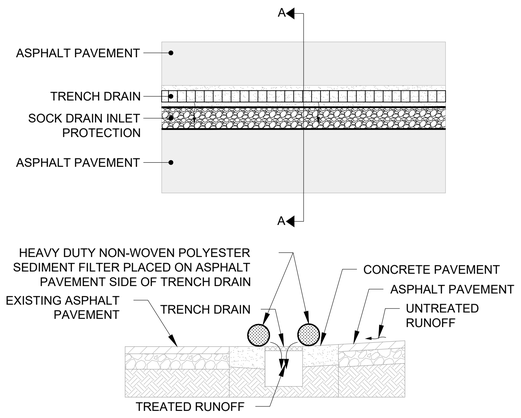


NOTE: FILTER FABRIC 6" STRAW "SNAKE" WATTLE

2 C354 DROP INLET PROTECTION
NOT TO SCALE



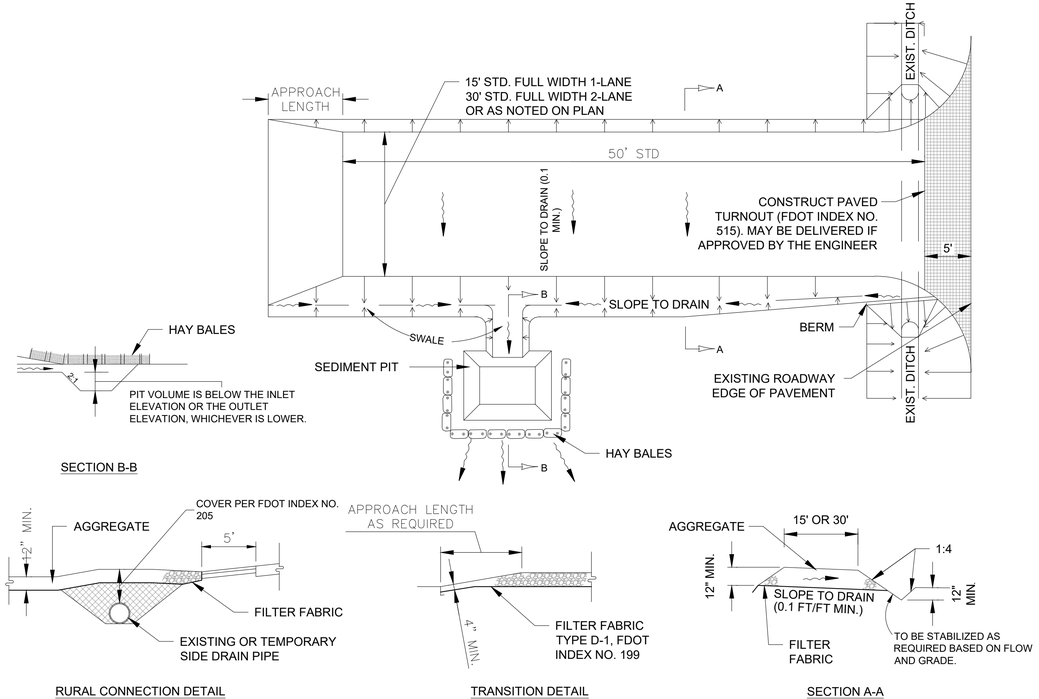
3 C354 PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
NOT TO SCALE



NOTES:

1. SOCK DRAIN INLET SHALL BE INSPECTED AFTER ALL RAIN EVENTS AND SHALL BE MAINTAINED TO BE FULLY OPERATIONAL AT ALL TIMES.
2. MATERIAL INSIDE OF THE SOCK DRAIN SHALL BE 2"-3" CLEAN STONE GRAVEL OR MULCHED WOOD CHIPS NO LARGER THAN 2"-3".

4 C354 TRENCH DRAIN INLET PROTECTION
NOT TO SCALE



5 C354 SOIL TRACKING PREVENTION DEVICE (STPD)
NOT TO SCALE

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No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
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FLORIDA LICENSE NUMBER
88587
DATE: ____

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

EROSION CONTROL DETAILS

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C354

Plotted By:Coghlin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C353 EROSION CONTROL DETAILS March 27, 2025 05:25:25pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C353 EROSION CONTROL DETAILS.dwg
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General Information

Property Tax ID #(s):	4107208010000 , 4117208010000, 4117208020000, 4117208030000	
Site Address:	5800 Springhill Road	
Zoning:	GO-2	
Overlay / Transect (if any):	N/A	
Setbacks:		
Front:	50	FT
Rear:	10	FT
Side:	0	FT
Corner:	50	FT
Building Maximum Height (FT):	143 (AGL per FAA)	
Building Height (FT):	21.25	
Building Maximum Size (SF/AC)	15,000	
Building Size (SF/AC)	1,478	
Existing Use(s)	Government Operation	
Proposed Use(s)	Government Operation	

Area Data

Total Site Area (SF):	761,701	SF	
Proposed Building Area (GSF):	28,285	SF	3.7 %
Office:	6,000	SF	0.8 %
Car Maintenance:	22,285	SF	2.9 %
Proposed Intensity:	0.06		
Existing Impervious Areas (SF):	156,190	SF	
Building(s) Footprint:	13,691	SF	
VUA:	142,499	SF	
Existing Removed Impervious (SF):	156,190	SF	
Building(s) Footprint:	13,691	SF	
VUA:	142,499	SF	
Proposed Impervious Area (SF):	419,918	SF	55.1 %
Building(s) Footprint:	28,285	SF	3.7 %
VUA:	391,633	SF	51.4 %

Parking Data

Required Parking Spaces:		
Number of spaces required:	78	spaces
Required ADA spaces:	3	spaces
Total:	81	spaces
Proposed Employee Parking Spaces:		
Number of regular spaces provided:	48	
Number of ADA spaces provided:	3	
Total number of spaces provided:	51	
Proposed Tandem Storage Spaces:		
Number of tandem spaces provided:	794	
Bicycle Parking Required:		
Required number of bicycle spaces:	3	
Proposed Bicycle Parking:	3	

Landscape / Urban Forest Data

Req'd Landscape Islands:	3		
Required Landscape Area(SF):	38,085	SF	5.0 %
Landscape area provided* (SF):	0	SF	0.0 %
Required Urban Forest Area(SF)	76,170	SF	10.0 %
Urban Forest area provided*: (SF)	0	SF	0 %

*Landscape functional wavier requested for perimeter landscaping, landscaping, and urban forest areas due to the proposed use and close proximity to the airfield.

NOTES:

1. THE REQUIRED WIDTH OF A FIRE DEPARTMENT ACCESS ROAD SHALL NOT BE OBSTRUCTED IN ANY MANNER, INCLUDING THE PARKING OF VEHICLES. NFPA 1, 18.2.3.1.1, (2010 EDITION OF THE FLORIDA FIRE PREVENTION CODE, 2009 EDITION.)
2. ALL CURB RAMPS AND SIDEWALKS ENTERING PARKING OR TRAVEL WAYS SHALL HAVE DETECTABLE WARNING SURFACES 2' DEEP AND THE WIDTH OF THE RAMP. DETECTABLE WARNING SURFACE SHALL BE YELLOW ARMORTILE (OR APPROVED EQUAL) SURFACE APPLIED MATS UNLESS OTHERWISE SPECIFIED.

ACCESS GATE NOTES:

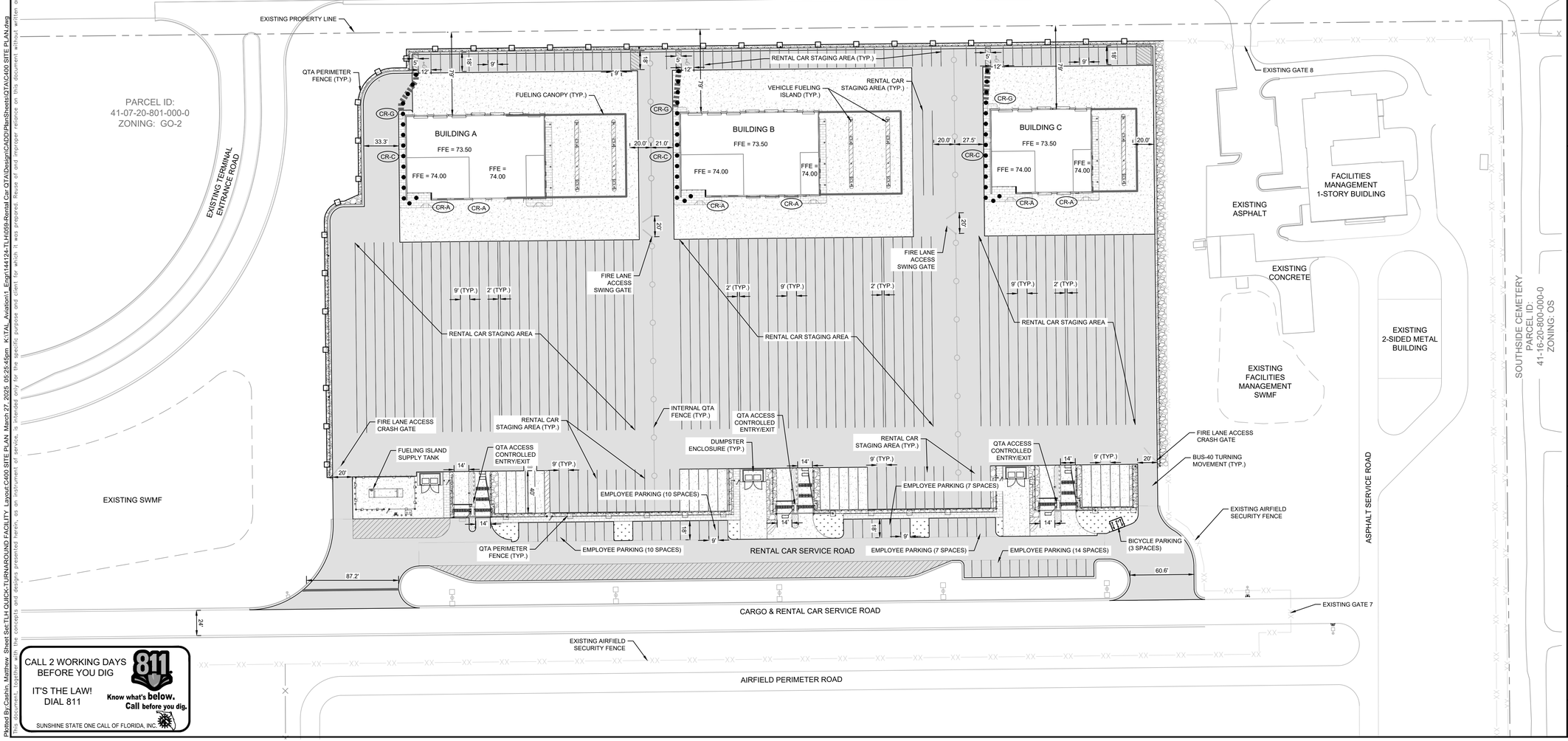
1. ACCESS GATES SHALL BE PROVIDED WITH A KEYPAD ENTRY SYSTEM, ELECTRONIC TRANSMITTER OR CARD READER. ENTRY MECHANISM SHALL BE PROVIDED TO ALL APPLICABLE USERS AS DETERMINED BY OWNER.
2. CODED NUMBERS FOR KEYPAD ENTRY SYSTEMS WILL BE DESIGNATED BY THE FIRE CHIEF AND POLICE CHIEF FOR FIRE AND POLICE DEPARTMENT EMERGENCY ACCESS.
3. ALL ACCESS GATES SHALL BE DESIGNED TO PROVIDE AUTOMATIC ENTRY FOR FIRE APPARATUS IN THE FORM OF SIREN ACTIVATION.
4. A SIGN SHALL BE ATTACHED TO THE GATE INDICATING THE PROCEDURE TO OPEN THE GATE WITH THE SOUND OF AN EMERGENCY SIREN.
5. ALL ACCESS GATES SHALL BE DESIGNED TO UNLOCK WITH A READILY ACCESSIBLE MANUAL RELEASING DEVICE.
6. DURING A POWER FAILURE, ALL ACCESS GATES SHALL BE DESIGNED TO FAIL IN THE OPEN POSITION.
7. A KNOX KEY BOX SHALL BE INSTALLED AT ALL FIRE LANE GATES AS SHOWN ON THIS SHEET. KNOX KEY BOX SHALL BE INCIDENTAL TO THE GATE.
8. PARKING GATE SHALL NOT OBSTRUCT THE REQUIRED 20' MINIMUM FIRE DEPARTMENT ACCESS ROAD.

LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- GRAVEL
- SOD
- A.D.A. ACCESSIBLE ROUTE
- CR-X — CURB RAMP - FDOT TYPE X (RAMPS DETECTABLE WARNINGS SHALL BE INSTALLED PER FDOT INDEX 522-002)

NORTH

GRAPHIC SCALE IN FEET
0 25 50 100



CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISIONS	DATE	BY

Kimley»Horn

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WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
88587
DATE:

KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SHB
DRAWN BY	TLB
CHECKED BY	CAC

SITE PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C400

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C400 SITE PLAN March 27, 2025 05:25:45pm K:\TAL_Aviation\1 Engr\144124-TLH059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C400 SITE PLAN.dwg
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STATION 500+00

EXISTING CURB AND GUTTER, FDOT TYPE "F"

EXISTING CURB AND GUTTER FDOT TYPE "F"

GUARDRAIL W-BEAM STEEL POST SEE NOTE 1 (TYPICAL)

1 C458 10' QTA PERIMETER FENCE (GALVANIZED)

FUEL TANK ENCLOSURE DETAILS 1 C455

ASPHALT PAVEMENT TIE-IN 2 C453

PEDESTRIAN GATE 1 C464

LATCH POST

EXISTING CURB AND GUTTER

1 C461 CRASH GATE

AIRPORT PROPERTY LIMITS

END FENCE SLAT INSTALL (SEE NOTE 2)

1 C454 DUMPSTER ENCLOSURE

1 C464 PEDESTRIAN GATE

BUILDING SIDEWALK (TYPICAL) 1B C453

EXISTING CURB AND GUTTER, FDOT TYPE "F"

2 C451

4 C465 QTA ACCESS CONTROL

STATION 600+00 ALIGNMENT STARTS FROM LEFT

BUILDING 'A'

EXISTING CURB AND GUTTER, FDOT TYPE "F"

1 C458 10' QTA PERIMETER FENCE (GALVANIZED)

N=507874.44
E=2020197.38

N=508369.16
E=2020192.05

AIR CARGO AND RENTAL CAR SERVICE ROAD

EXISTING AIRFIELD SECURITY FENCE

1 C463 CANTILEVER SLIDE GATE

PEDESTRIAN GATE 1 C464

FUEL PIPING SUMP (TYPICAL) (SEE FUELING PLANS FOR DETAILS)

6 C452

U-SHAPED BOLLARD SEE (TYPICAL) 7 C453

VEHICLE FUELING ISLAND

EXISTING CURB AND GUTTER, FDOT TYPE "F"

GUARDRAIL W-BEAM STEEL POST (TYPICAL)

1 C459 INTERNAL QTA FENCE

EXISTING CURB AND GUTTER, FDOT TYPE "F"

AOA ACCESS ROAD

1 C460 INTERNAL QTA SWING GATE

4 C452

5 C453 PRECAST CONCRETE WHEEL STOP (TYPICAL)

1 C464 PEDESTRIAN GATE

1 C454 DUMPSTER ENCLOSURE

3 C451

N=507877.78
E=2020508.47

4 C465 QTA ACCESS CONTROL

STATION 700+00 ALIGNMENT STARTS FROM LEFT

1 C463 CANTILEVER SLIDE GATE

MATCHLINE, SEE SHEET C402

FUEL PIPING SUMP (TYPICAL) (SEE FUELING PLANS

VEHICLE FUELING ISLAND

1 C458 10' QTA PERIMETER FENCE (GALVANIZED)

5 C452

N=508372.49
E=2020503.15

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

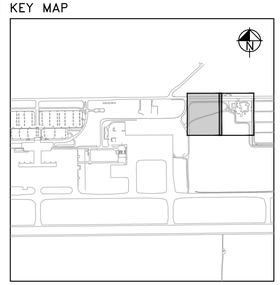
NOTE:

1. REFER TO SHEET C403 FOR POINT TABLES.
2. CONTRACTOR TO INSTALL SLATS ON THE FENCING AREA SHOWN. TYPE, COLOR, AND MATERIAL TO BE DETERMINED BY THE AIRPORT.

LEGEND

- ASPHALT PAVEMENT, 1" FINAL LIFT
- CONCRETE PAVEMENT (LIGHT DUTY)
- 4" CONCRETE SIDEWALK, DETAIL 1, C453
- 6" RAISED CONCRETE TRAFFIC SEPARATOR, DETAIL 3, C451
- 4" GRADED AGGREGATE SURFACE COURSE OVER FILTER FABRIC
- EXISTING SOD
- NEW SODDED AREA
- 10' QTA PERIMETER FENCE
- AIRPORT PROPERTY LIMITS
- EXISTING SECURITY FENCE

KEY MAP



No.	REVISIONS	DATE	BY

Kimley»Horn
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
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TALLAHASSEE, FLORIDA 32308 (850) 402-3500
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Michael Baker INTERNATIONAL
MICHAEL BAKER INTERNATIONAL, INC.
2211 RIDGE LAKE DRIVE, SUITE 210
TALLAHASSEE, FLORIDA 32301 (850) 201-2502
CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: ----

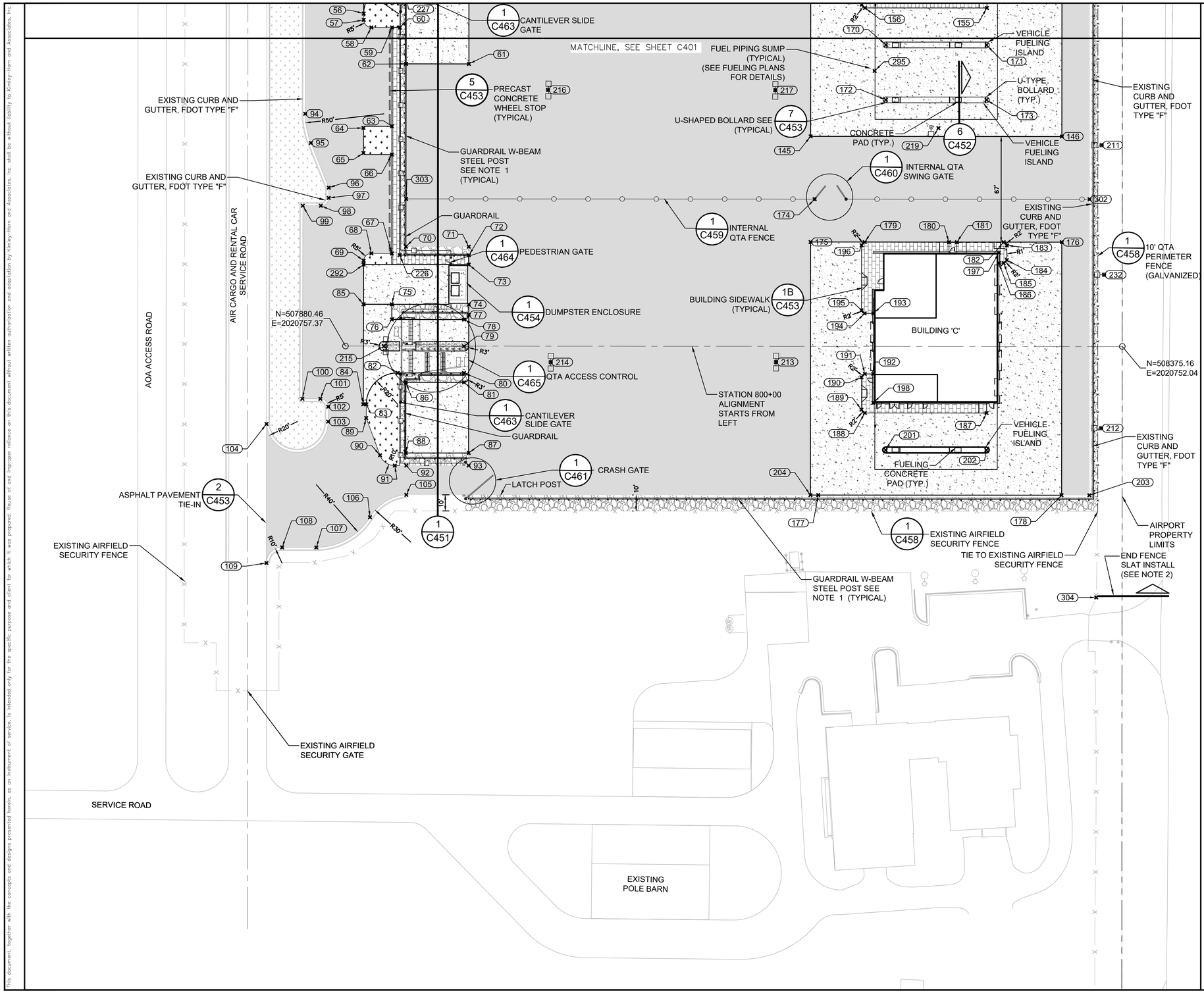
KHA PROJECT	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	SMS	MC	NEP
DATE: JAN 2025			
SCALE: AS SHOWN			

STAKING AND PAVING PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE, FLORIDA

SHEET NUMBER
C401

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GRAPHIC SCALE IN FEET
0 15 30 60

NORTH

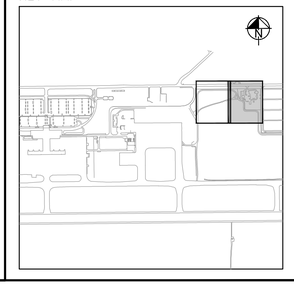
NOTE:

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- 10' QTA PERIMETER FENCE
- AIRPORT PROPERTY LIMITS
- EXISTING SECURITY FENCE

KEY MAP



No.	REVISIONS	DATE	BY

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CERTIFICATE OF AUTHORIZATION NUMBER 28861

UCENSED PROFESSIONAL — LIC PROF 1
FLORIDA LICENSE NUMBER — LIC PROF 1 #
DATE: ----

KHA PROJECT 144124117			
DATE JAN 2025	SCALE	AS SHOWN	
	DESIGNED BY	SMS	
	DRAWN BY	MC	
	CHECKED BY	NEP	

STAKING AND PAVING PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C402

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STAKING POINTS FOR 500+00 ALIGNMENT

Point	Station	Offset	Description
~~1~~	~~500+68.25~~	~~59.242'~~	PT DRIVEWAY PAVEMENT TIE
~~2~~	~~501+16.20~~	~~-34.972'~~	PT DRIVEWAY
3	501+34.93	-74.153'	FENCE POINT OF BEGINNING
4	501+58.93	-34.660'	EDGE OF CONCRETE AT FUEL TANK
5	501+58.88	-74.513'	EDGE OF CONCRETE AT FUEL TANK
~~6~~	~~502+21.19~~	~~59.265'~~	PT DRIVEWAY PAVEMENT TIE
7	502+21.15	10.500'	GRASS ISLAND GUTTER PT
8	502+31.15	10.500'	GRASS ISLAND GUTTER CORNER
9	502+19.55	-34.739'	DUMPSTER ENCLOSURE ENTRANCE
10	502+45.01	-34.571'	DUMPSTER ENCLOSURE ENTRANCE
11	502+19.68	-74.509'	EDGE OF CONCRETE AT FUEL TANK
12	502+19.68	-78.502'	DUMPSTER ENCLOSURE WALL CORNER
13	502+45.01	-78.509'	DUMPSTER ENCLOSURE WALL CORNER
14	502+51.01	-34.564'	DUMPSTER ENCLOSURE SIDEWALK
15	502+51.01	-78.509'	DUMPSTER ENCLOSURE SIDEWALK CORNER
16	502+72.04	-75.509'	TRAFFIC SEP RADIUS CENTER
17	502+59.68	21.921'	GRASS ISLAND GUTTER PT
18	502+78.01	25.401'	GRASS ISLAND GUTTER PT
19	502+89.04	-75.496'	GRAVEL PT
20	502+97.04	-75.553'	GRAVEL PT
21	502+89.04	-34.527'	PARKING SIDEWALK CORNER
22	503+45.71	-78.501'	PARKING CONCRETE CORNER
23	502+89.14	-29.508'	PARKING SIDEWALK CORNER
25	503+08.97	-11.509'	PARKING GRASS AREA PT
26	503+10.89	-11.502'	PARKING GRASS AREA PT
27	503+15.89	-16.502'	PARKING GRASS AREA PT
28	503+15.89	-29.501'	PARKING CORNER
29	502+97.04	-38.502'	CONCRETE PARKING PAD CORNER
30	503+40.72	-38.501'	PED GATE SIDEWALK CORNER
31	503+45.71	-38.507'	PED GATE SIDEWALK CORNER
32	504+05.89	-29.489'	PARKING LOT ISLAND CORNER
33	504+06.89	-11.437'	PARKING LOT ISLAND CORNER
34	504+22.89	-11.437'	PARKING LOT ISLAND CORNER
35	504+23.89	-29.489'	PARKING LOT ISLAND CORNER
36	505+13.70	-78.479'	CONCRETE PARKING PAD CORNER
37	505+19.65	-34.632'	SIDEWALK CORNER
38	505+19.69	-78.304'	SIDEWALK NW CORNER
39	505+25.65	-78.482'	DUMPSTER ENCLOSURE WALL CORNER
40	505+13.89	-29.478'	PARKING LOT CORNER
41	505+18.13	-11.440'	PARKING LOT PT
42	505+25.67	-11.478'	DUMPSTER ENCLOSURE ENTRANCE CONCRETE
43	505+50.80	-11.479'	DUMPSTER ENCLOSURE ENTRANCE CONCRETE
44	505+50.99	-67.145'	CHAIN LINK FENCE TIE TO DUMPSTER ENCLOSURE WALL
45	505+25.65	-65.812'	DUMPSTER ENCLOSURE WALL END
46	505+50.99	-78.479'	DUMPSTER ENCLOSURE WALL CORNER
47	505+25.67	-29.575'	SIDEWALK TIE TO DUMPSTER ENCLOSURE CONCRETE PAD
48	505+51.24	-29.195'	GRAVEL CORNER TIE TO DUMPSTER ENCLOSURE CONCRETE PAD
49	505+60.58	-29.474'	CORNER OF GRAVEL

STAKING POINTS FOR 500+00 ALIGNMENT

Point	Station	Offset	Description
50	505+77.68	-75.479'	TRAFFIC SEP RADIUS CENTER
51	505+57.68	-78.479'	GRAVEL PT
52	505+60.68	-75.479'	GRAVEL PT
53	505+94.68	-75.479'	ENTRANCE GRAVEL PT
54	506+01.71	-75.479'	ENTRANCE GRAVEL PT
55	505+94.68	-31.479'	CONCRETE ENTRANCE DRIVE PT
56	506+14.68	-11.479'	CONCRETE ENTRANCE DRIVE PT
~~57~~	~~506+16.65~~	~~-11.481'~~	~~ASPHALT PARKING LOT PT~~
~~58~~	~~506+23.50~~	~~-16.502'~~	~~ASPHALT PARKING LOT PT~~
~~59~~	~~506+23.50~~	~~-29.506'~~	~~ASPHALT PARKING LOT CORNER~~
60	506+23.50	-34.508'	PARKING LOT SIDEWALK CORNER
61	506+46.71	-78.479'	CONRETE PARKING CORNER
62	506+46.71	-38.481'	CONCRETE PARKING CORNER
63	506+86.50	-29.479'	PARKING LOT GRASS ISLAND CORNER
64	506+87.50	-11.365'	PARKING LOT GRASS ISLAND CORNER
65	507+03.50	-11.365'	PARKING LOT GRASS ISLAND CORNER
66	507+04.50	-29.479'	PARKING LOT GRASS ISLAND CORNER
~~67~~	~~507+67.58~~	~~-29.468'~~	~~ASPHALT PARKING LOT CORNER~~
~~68~~	~~507+67.58~~	~~-16.468'~~	~~ASPHALT PARKING LOT PT~~
~~69~~	~~507+72.19~~	~~-11.551'~~	~~ASPHALT PARKING LOT PT~~
70	507+63.15	-38.468'	GRAVEL CORNER
71	507+63.15	-78.468'	GRAVEL CORNER
72	507+68.60	-78.565'	DUMSTER ENCLOSURE SIDEWALK CORNER
73	507+74.56	-78.468'	DUMSTER ENCLOSURE SIDEWALK CORNER
74	507+99.91	-78.468'	DUMPSTER ENCLOSURE WALL CORNER
75	507+99.91	-29.466'	GRAVEL TIE TO DUMPSTER ENCLOSURE CONRETE ENTRANCE
76	508+09.61	-29.466'	GRAVEL CORNER
77	508+06.61	-78.469'	GRAVEL PT
78	508+09.61	-75.469'	GRAVEL PT
79	508+26.61	-75.469'	TRAFFIC SEP RADIUS CENTER
80	508+43.61	-75.469'	GRAVEL PT
81	508+49.61	-75.468'	GRAVEL PT
82	508+43.62	-33.315'	CONCRETE ENTRANCE DRIVE PT
83	508+63.63	-13.318'	CONRETE ENTRANCE DRIVE CORNER
84	508+63.60	-11.318'	CONRETE ENTRANCE DRIVE CORNER
85	507+99.91	-11.468'	DUMPSTER ENCLOSURE ENTRANCE CONCRETE
86	508+49.61	-38.468'	CONCRETE PARKING PAD CORNER
87	508+94.62	-78.478'	CONCRETE PARKING PAD CORNER
88	508+94.59	-38.468'	CONCRETE PARKING PAD CORNER
~~89~~	~~508+72.39~~	~~-16.224'~~	~~ASPHALT DRIVE CORNER~~
~~90~~	~~508+66.69~~	~~-22.854'~~	~~ASPHALT DRIVE PT~~
~~91~~	~~508+62.61~~	~~-31.420'~~	~~ASPHALT DRIVE PT~~
~~92~~	~~508+62.61~~	~~-38.784'~~	~~ASPHALT HEAVY DUTY TO LIGHT DUTY TRANS~~
93	509+02.61	-78.468'	GRAVEL CORNER
~~94~~	~~508+76.34~~	~~29.754'~~	~~ASPHALT DRIVE PT~~
~~95~~	~~508+97.11~~	~~22.136'~~	~~ASPHALT DRIVE PT~~
~~96~~	~~507+25.04~~	~~16.730'~~	~~ASPHALT DRIVE CORNER~~
~~97~~	~~507+06.14~~	~~16.740'~~	~~ASPHALT PARKING LOT PT~~
~~98~~	~~507+97.14~~	~~15.756'~~	~~ASPHALT PARKING LOT PT~~
~~99~~	~~507+97.12~~	~~27.259'~~	~~ASPHALT PARKING LOT CORNER~~
~~100~~	~~508+08.12~~	~~27.420'~~	~~ASPHALT PARKING LOT CORNER~~
~~101~~	~~508+08.14~~	~~15.889'~~	~~ASPHALT PARKING LOT PT~~
~~102~~	~~508+08.14~~	~~10.930'~~	~~ASPHALT PARKING LOT PT~~
~~103~~	~~508+74.98~~	~~11.014'~~	~~ASPHALT PARKING LOT PT~~
~~104~~	~~508+76.19~~	~~50.289'~~	~~ASPHALT DRIVE TIE PT~~
~~105~~	~~508+34.38~~	~~38.804'~~	~~ASPHALT POINT PT~~
~~106~~	~~508+25.86~~	~~15.975'~~	~~ASPHALT DRIVE PT~~
~~107~~	~~508+34.01~~	~~18.913'~~	~~ASPHALT DRIVE PT~~
~~108~~	~~508+54.64~~	~~40.282'~~	~~ASPHALT DRIVE PT~~
~~109~~	~~508+04.77~~	~~50.265'~~	~~ASPHALT DRIVE TIE PT~~
~~110~~	~~508+04.46~~	~~42.274'~~	~~AOA FENCE CORNER~~
~~111~~	~~508+04.46~~	~~18.736'~~	~~AOA FENCE CORNER~~
~~112~~	~~508+35.87~~	~~2.936'~~	~~AOA FENCE CORNER~~
~~113~~	~~508+48.96~~	~~18.116'~~	~~AOA FENCE CORNER~~
~~114~~	~~508+51.51~~	~~31.869'~~	~~AOA FENCE CORNER~~
~~115~~	~~508+51.51~~	~~78.554'~~	~~AOA FENCE CORNER~~
226	507+68.56	-34.508'	DUMPSTER ENCLOSURE SIDEWALK CORNER
227	506+01.71	-38.485'	CONCRETE PARKING LOT CORNER
228	505+13.70	-38.473'	CONCRETE PARKING LOT CORNER
229	504+68.70	-38.474'	CONCRETE PARKING LOT CORNER
230	504+68.70	-78.479'	CONCRETE PARKING LOT CORNER
292	507+74.58	-11.465'	DUMPSTER ENCLOSURE ENTRANCE CONCRETE
301	504+02.89	-38.494'	INTERNAL BARRIER FENCE END
303	507+32.72	-38.588'	INTERNAL BARRIER FENCE END
~~600~~	~~505+13.69~~	~~-18.556'~~	~~ASPHALT PARKING LOT PT~~

STAKING POINTS FOR 600+00 ALIGNMENT

Point	Station	Offset	Description
116	603+16.67	-131.548'	QTA FENCE PT
117	603+35.67	-112.575'	QTA FENCE CORNER
118	603+41.69	-98.802'	QTA FENCE CORNER
119	604+26.47	-98.644'	QTA FENCE PT
~~120~~	~~603+16.67~~	~~128.326'~~	~~INTERIOR ASPHALT PT~~
~~121~~	~~603+39.34~~	~~112.571'~~	~~INTERIOR ASPHALT PT~~
~~122~~	~~603+39.33~~	~~93.461'~~	~~INTERIOR ASPHALT CORNER~~
123	602+96.17	-60.253'	BUILDING A CONCRETE CORNER
124	602+96.17	166.523'	BUILDING A CONCRETE CORNER
125	604+56.16	166.523'	BUILDING A CONCRETE CORNER
126	603+30.67	-60.156	BUILDING A SIDEWALK PT
127	603+28.67	-58.156	BUILDING A SIDEWALK PT
128	603+28.67	-16.742	BUILDING A SIDEWALK PT
129	603+30.67	-14.739	BUILDING A SIDEWALK PT
130	603+36.18	-14.732'	BUILDING A SIDEWALK
131	603+36.18	59.778'	BUILDING A SIDEWALK
132	603+30.79	59.772	BUILDING A SIDEWALK PT
133	603+28.66	61.987	BUILDING A SIDEWALK PT
134	603+28.66	82.561	BUILDING A SIDEWALK PT
135	603+30.78	84.679	BUILDING A SIDEWALK PT
136	604+08.37	84.686'	BUILDING A SIDEWALK CORNER
137	603+36.18	78.186'	BUILDING A SE CORNER
139	604+16.18	-53.483'	BUILDING A NW CORNER
140	602+98.52	181.117'	INTERNAL SWING GATE POST
141	603+44.12	143.269'	BUILDING A FUEL ISLAND RADIUS CENTER
142	604+08.17	143.268'	BUILDING A FUEL ISLAND RADIUS CENTER
~~296~~	~~604+20.47~~	~~-35.470'~~	~~INTERNAL ASPHALT PT~~
~~297~~	~~604+56.26~~	~~-35.013'~~	~~INTERNAL ASPHALT PT~~
~~298~~	~~604+36.16~~	~~-16.926'~~	~~ASPHALT PARKING LOT CORNER~~
~~299~~	~~604+76.86~~	~~-16.929'~~	~~ASPHALT PARKING LOT CORNER~~
300	604+73.83	136.431'	INTERNAL BARRIER FENCE END

STAKING POINTS FOR 700+00 ALIGNMENT

Point	Station	Offset	Description
143	702+96.15	-111.668'	BUILDING B CONCRETE EDGE
144	704+56.14	-111.543'	BUILDING B CONCRETE EDGE
145	702+96.15	115.107'	BULDING B CONCRETE EDGE
146	704+56.14	115.107'	BUILDING B CONCRETE EDGE
147	703+30.66	-111.57	BUILDING B SIDEWALK PT
148	703+84.29	-111.565'	BUILDING B SIDEWALK HANDICAP RAMP
149	703+89.29	-111.565'	BUILDING B SIDEWALK HANDICAP RAMP
150	704+19.16	-111.565'	BUILDING B SIDEWALK PT
151	704+21.16	-109.565'	BUILDING B SIDEWALK PT
152	704+21.16	-100.231'	BUILDING B SIDEWALK PT
153	704+19.16	-98.231'	BUILDING B SIDEWALK PT
154	704+16.16	-98.231'	BUILDING B SIDEWALK
155	704+08.34	33.270'	BUILDING B SIDEWALK CORNER HANDICAP RAMP
156	703+30.77	33.266	BUILDING B SIDEWALK PT
157	703+28.65	31.148	BUILDING B SIDEWALK PT
158	703+28.65	10.574	BUILDING B SIDEWALK PT
159	703+30.78	8.359	BUILDING B SIDEWALK PT
160	703+36.16	26.770'	BUILDING B SIDEWALK
161	703+36.16	-66.148'	BUILDING B SIDEWALK
162	703+30.66	-66.152	BUILDING B SIDEWALK PT
163	703+28.65	-68.155	BUILDING B SIDEWALK PT
164	703+28.66	-109.57	BUILDING B SIDEWALK PT
166	704+16.16	-104.899'	BUILDING B NW CORNER
170	703+44.10	56.853'	BUILDING B FUEL ISLAND RADIUS CENTER
171	704+08.15	56.853'	BUILDING B FUEL ISLAND RADIUS CENTER
172	703+44.10	91.853'	BUILDING B FUEL ISLAND RADIUS CENTER
173	704+08.15	91.853'	BUILDING B FUEL ISLAND RADIUS CENTER
174	702+98.76	155.112'	INTERNAL SWING GATE POST
302	704+73.81	155.113'	INTERNAL BARRIER FENCE END

STAKING POINTS FOR 800+00 ALIGNMENT

Point	Station	Offset	Description
175	802+96.15	-66.510'	BUILDING C CONCRETE EDGE CORNER
176	804+56.13	-66.510'	BUILDING C CONCRETE EDGE CORNER
177	803+01.15	94.761'	BUILDING C BEGIN CURB TRANSITION
178	804+56.13	94.761'	BUILDING C CONCRETE EDGE CORNER
179	803+30.64	-66.412	BUILDING C SIDEWALK PT
180	803+84.28	-66.408'	BUILDING C SIDEWALK HANDICAP RAMP
181	803+89.28	-66.408'	BUILDING C SIDEWALK HANDICAP RAMP
182	804+19.14	-66.408'	BUILDING C SIDEWALK PT
183	804+21.14	-64.408'	BUILDING C SIDEWALK PT
184	804+21.14	-55.073'	BUILDING C SIDEWALK PT
185	804+19.14	-53.073'	BUILDING C SIDEWALK PT
186	804+16.14	-53.073'	BUILDING C SIDEWALK
187	804+08.33	42.428'	BUILDING C SIDEWALK HANDICAP RAMP CORNER
188	803+30.76	42.421	BUILDING C SIDEWALK PT
189	803+28.64	40.304	BUILDING C SIDEWALK PT
190	803+28.64	19.73	BUILDING C SIDEWALK PT
191	803+30.76	17.514	BUILDING C SIDEWALK PT
192	803+36.14	17.521'	BUILDING C SIDEWALK
193	803+36.14	-20.990'	BUILDING C SIDEWALK
194	803+30.64	-20.994	BUILDING C SIDEWALK PT
195	803+28.64	-22.997	BUILDING C SIDEWALK PT
196	803+28.64	-64.412	BUILDING C SIDEWALK PT
197	804+16.14	-59.741'	BUILDING C NW CORNER
198	803+36.14	35.928'	BUILDING C SE CORNER
201	803+44.09	66.011'	BUILDING B FUEL ISLAND RADIUS CENTER
202	804+08.14	66.011'	BUILDING B FUEL ISLAND RADIUS CENTER
~~203~~	~~804+73.80~~	~~94.764'~~	~~INTERIOR ASPHALT CORNER~~
204	802+96.15	94.761'	BUILDING C END CURB TRANSITION
304	804+78.24	159.856'	(AOA FENCE TIE)AOA FENCE TIE
~~305~~	~~804+79.19~~	~~159.911'~~	~~(AOA FENCE TO QTA FENCE JUNCTION)AOA FENCE TO QTA FENCE JUNCTION~~

STAKING POINTS FOR LIGHT POLES

Point	Station	Offset	Description
205	601+30.29	-133.140'	LIGHT POLE
206	602+73.96	-132.811'	LIGHT POLE
207	604+55.93	-87.361'	LIGHT POLE
208	604+82.95	40.562'	LIGHT POLE
209	704+83.63	-134.213'	LIGHT POLE
210	704+82.81	-1.381'	LIGHT POLE
211	704+81.50	120.594'	LIGHT POLE
212	704+81.30	300.964'	LIGHT POLE
213	702+74.19	258.905'	LIGHT POLE
214	701+30.70	259.093'	LIGHT POLE
215	508+26.61	-24.425'	LIGHT POLE
216	701+28.84	85.631'	LIGHT POLE
217	702+73.64	85.731'	LIGHT POLE
218	505+77.29	-24.690'	LIGHT POLE
219	703+77.54	109.822'	LIGHT POLE
220	702+73.60	-96.098'	LIGHT POLE
221	701+29.86	-96.267'	LIGHT POLE
222	703+77.57	-149.872	LIGHT POLE
223	602+74.63	33.229'	LIGHT POLE
224	502+72.02	-24.184'	LIGHT POLE
225	601+30.89	33.487'	LIGHT POLE
232	704+83.07	203.207'	LIGHT POLE

STAKING POINTS FOR FUEL PIPE SUMP

293	503+27.18	-83.272'	FUEL PIPE SUMP
294	603+36.26	123.203'	FUEL PIPE SUMP
295	703+36.89	73.428'	FUEL PIPE SUMP

NOTE:

1. STRIKE THROUGH REPRESENTS CONSTRUCTED ITEMS FROM A PREVIOUS PHASE.

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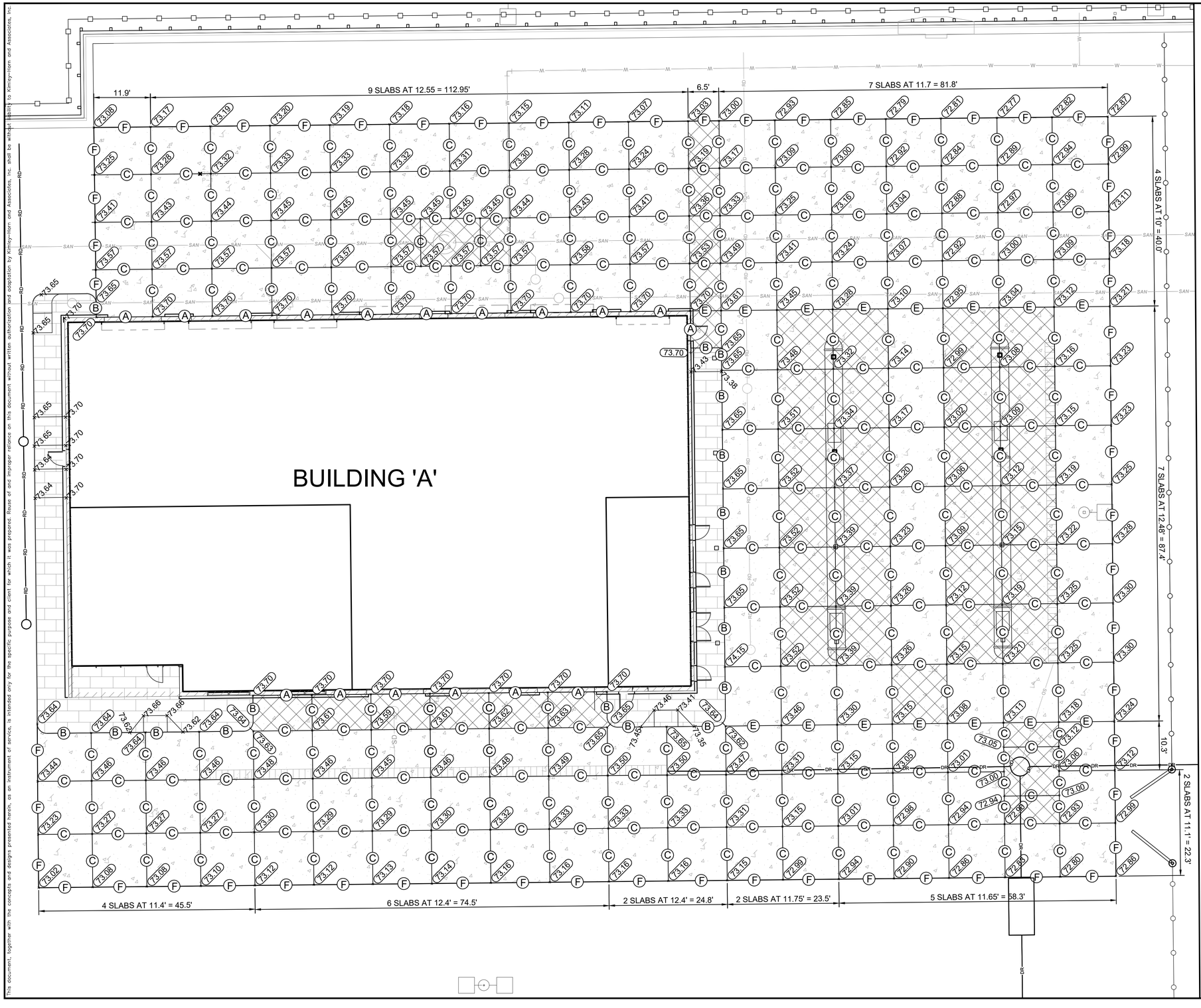
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LIC PROF 1 #
DATE: -----

KHA PROJECT 144124117
DATE JAN. 2025
SCALE AS SHOWN
DESIGNED BY SMS
DRAWN BY MC
CHECKED BY NEP

STAKING POINT TABLES

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C403



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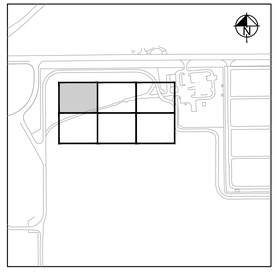
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- LIGHT-DUTY CONCRETE
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- ✦ 72.63 TOP OF SIDEWALK ELEVATION
- (S) SEWER MANHOLE
- (D) DRAINAGE STRUCTURE MANHOLE
- DRAINAGE STRUCTURE INLET
- TRENCH DRAIN
- LIGHT POLE

KEY MAP



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TALLAHASSEE, FLORIDA 32301
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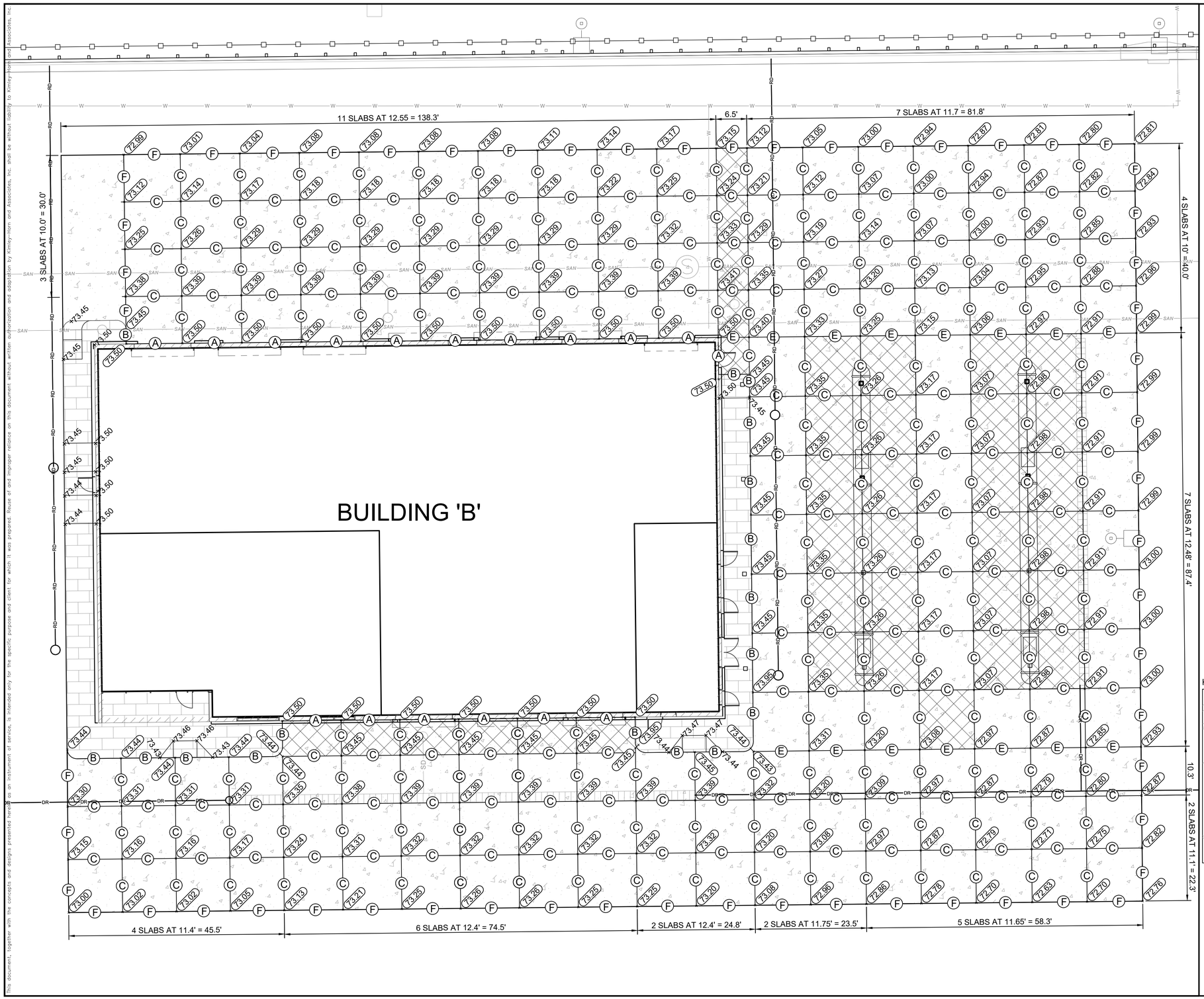
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FLORIDA LICENSE NUMBER: LIC PROF 1 #
DATE: _____

KHA PROJECT	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	AS SHOWN	SMS	MC	NEP
DATE JAN 2025				

CONCRETE JOINT LAYOUT PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C404



NORTH

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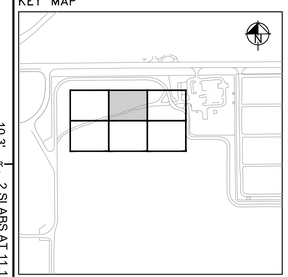
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- TRENCH DRAIN
- LIGHT POLE

KEY MAP



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LICENSED PROFESSIONAL

LIC PROF 1

FLORIDA LICENSE NUMBER

LIC PROF 1 # -----

DATE: -----

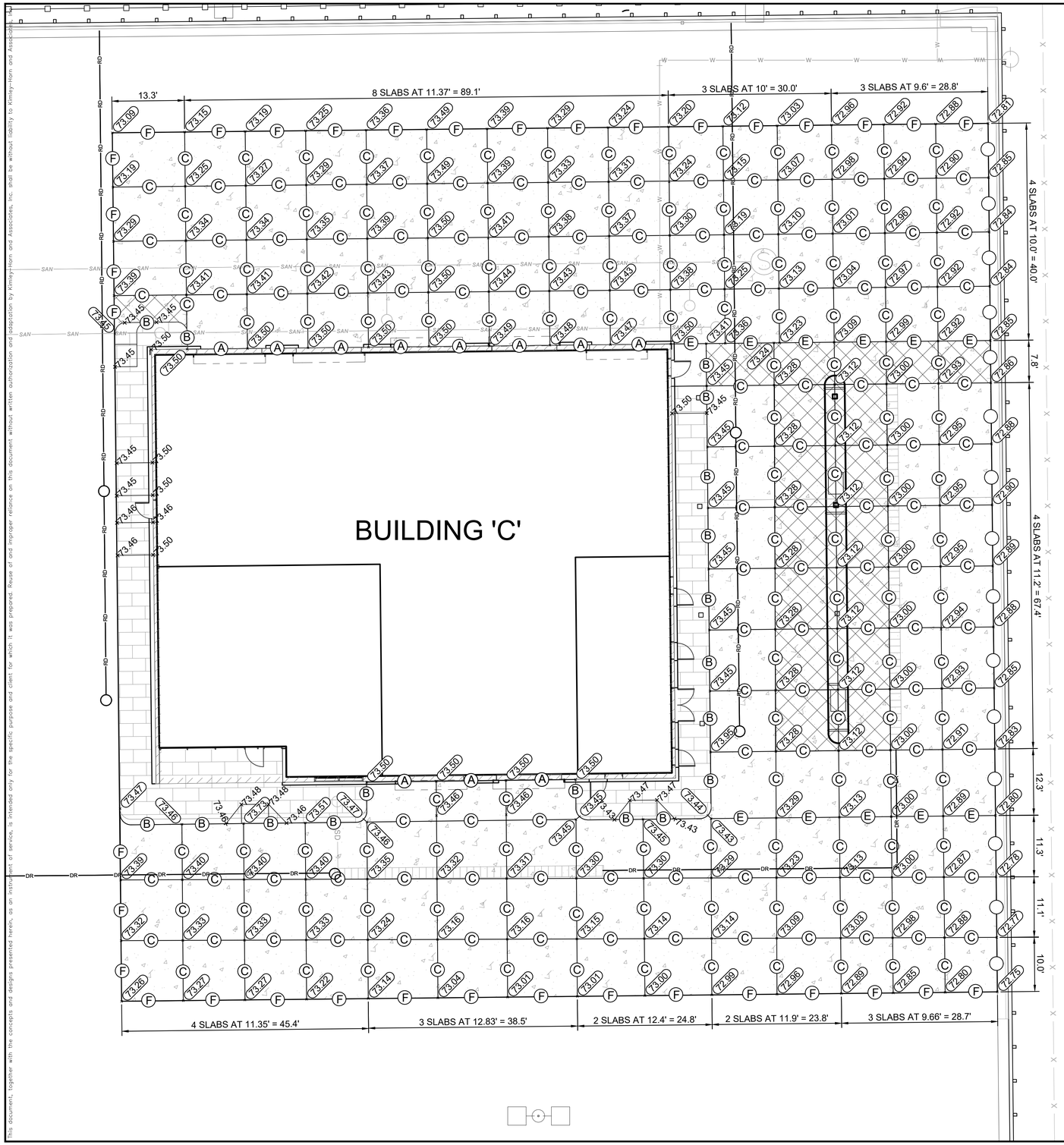
KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SMS
DRAWN BY	MC
CHECKED BY	NEP

CONCRETE JOINT LAYOUT PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C405

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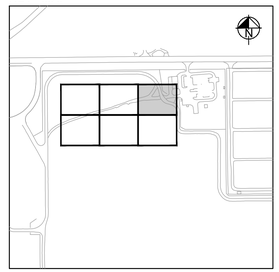
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- + (72.63) JOINT ELEVATION
- + 72.63 TOP OF SIDEWALK ELEVATION
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- (D) DRAINAGE STRUCTURE MANHOLE
- DRAINAGE STRUCTURE INLET
- TRENCH DRAIN
- LIGHT POLE

KEY MAP



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LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	JAN 2025	AS SHOWN	SMS	MC	NEP

CONCRETE JOINT LAYOUT PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C406

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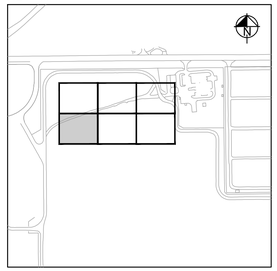
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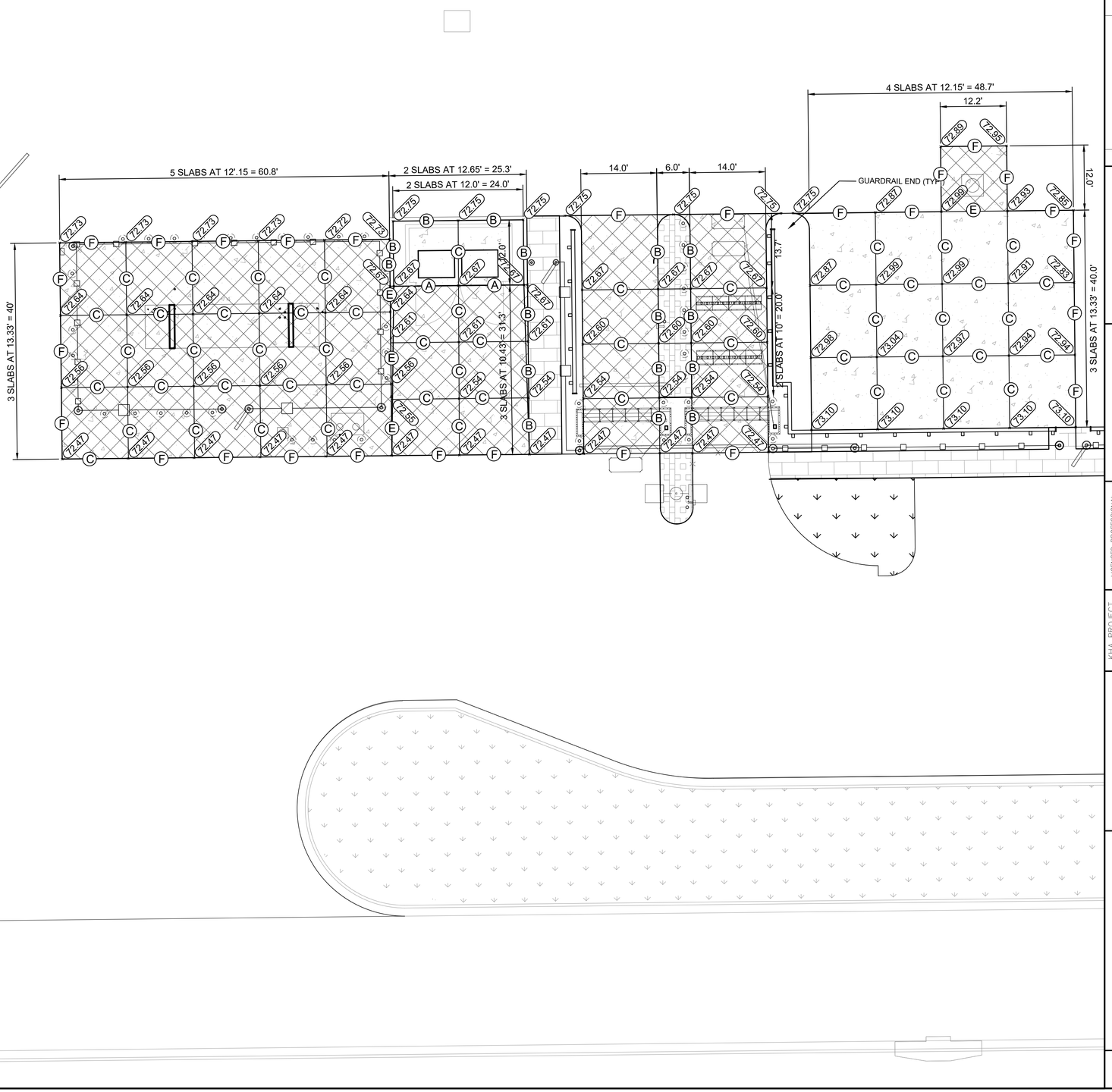
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KEY MAP



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- (B) NON-DOWELED EXPANSION JOINT
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- TRENCH DRAIN
- LIGHT POLE



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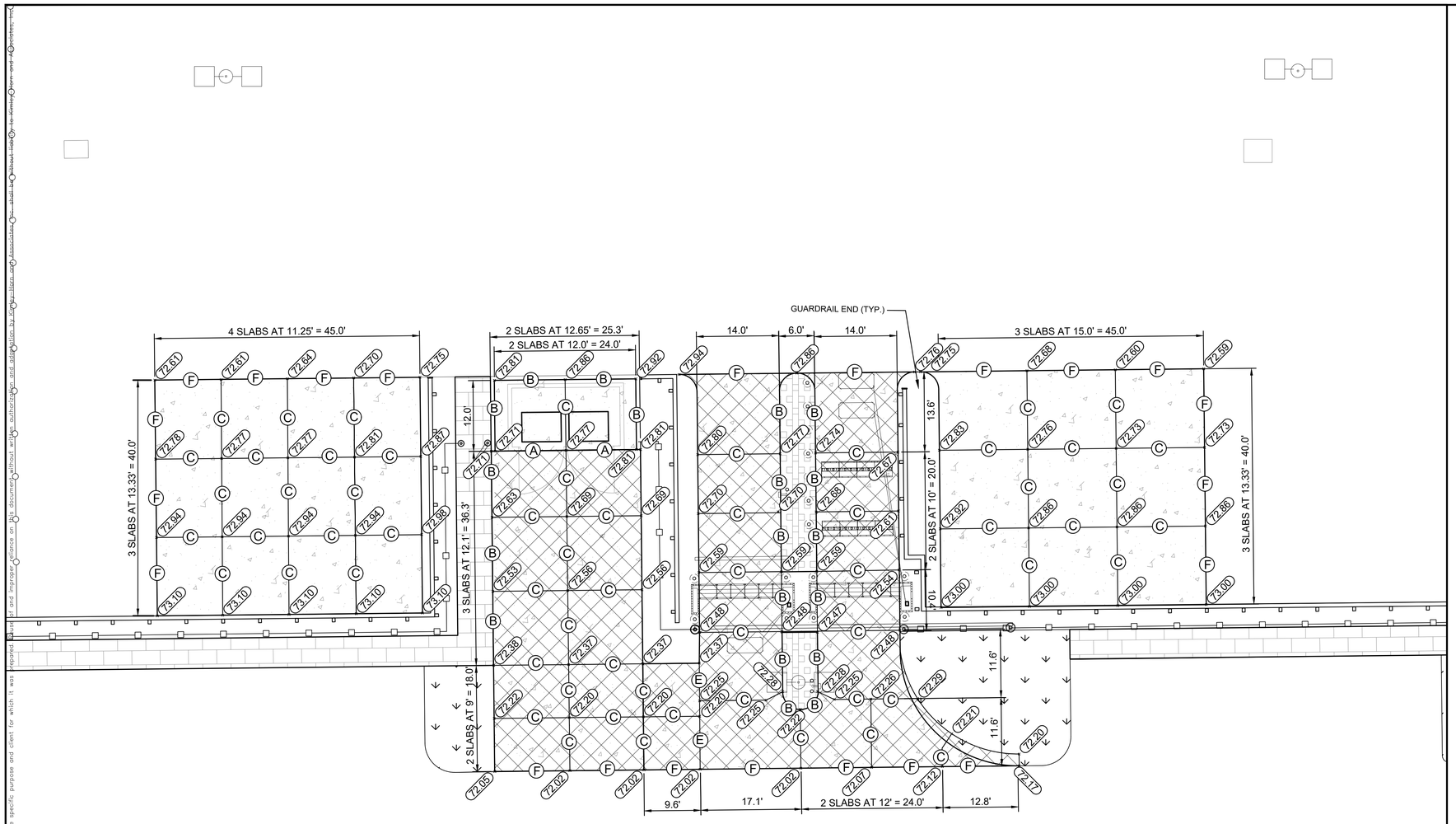
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FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: ----

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SMS
DRAWN BY MC
CHECKED BY NEP

CONCRETE JOINT LAYOUT PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C407



NORTH

GRAPHIC SCALE IN FEET
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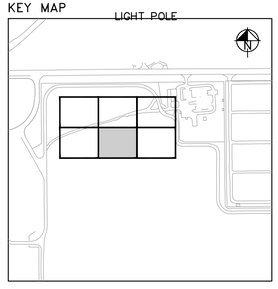
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- TRENCH DRAIN

KEY MAP



No.	REVISIONS	DATE	BY

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CERTIFICATE OF AUTHORIZATION NUMBER 28861

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LIC PROF 1 #
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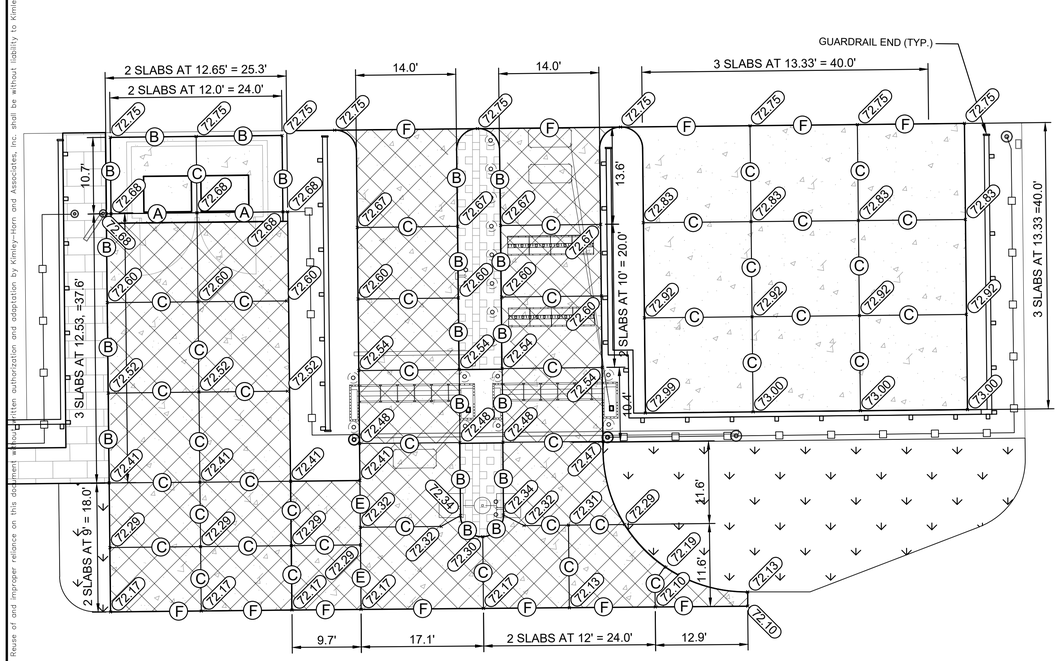
KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SMS
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CHECKED BY	NEP

CONCRETE JOINT LAYOUT PLAN

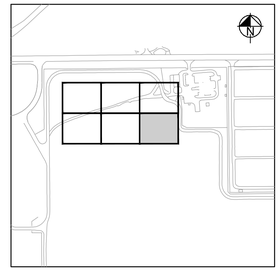
RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C408

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KEY MAP



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0 5 10 20

NOTE:

1. DOWELED CONSTRUCTION JOINTS ARE NOT SHOWN BUT ARE LIKELY REQUIRED. CONTRACTOR SHALL SUBMIT A PAVING PLAN AT LEAST 21-DAYS PRIOR TO PAVING. THE PAVING PLAN SHALL SHOW PROPOSED PAVING SEQUENCE AND JOINT TYPES AND SHALL BE APPROVED BY THE OWNER PRIOR TO THE START OF PAVING. LOCATION OF TYPE E JOINTS CANNOT CHANGE. SEE FDOT SPECIFICATION 350 (ERRATA SHEET) FOR MORE INFORMATION
2. PROPOSED SIDEWALK JOINTS ARE NOT SHOWN. TRANSVERSE JOINTS SHALL BE SAWED AT A 1" DEPTH AT A MAXIMUM 6' LONGITUDINAL SPACING..

LEGEND

- (A) THICKENED EDGE EXPANSION JOINT
- (B) NON-DOWELED EXPANSION JOINT
- (C) DOWELED CONTRACTION JOINT
- (E) DOWELED EXPANSION JOINT
- (F) CONCRETE TO ASPHALT JOINT
- REINFORCED SLAB
- LIGHT-DUTY CONCRETE
- (72.63) JOINT ELEVATION
- ✦ 72.63 TOP OF SIDEWALK ELEVATION
- (S) SEWER MANHOLE
- (D) DRAINAGE STRUCTURE MANHOLE
- DRAINAGE STRUCTURE INLET
- TRENCH DRAIN
- LIGHT POLE

No.	REVISIONS	DATE	BY

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CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL

LIC PROF 1

FLORIDA LICENSE NUMBER
LIC PROF 1 #

DATE: ----

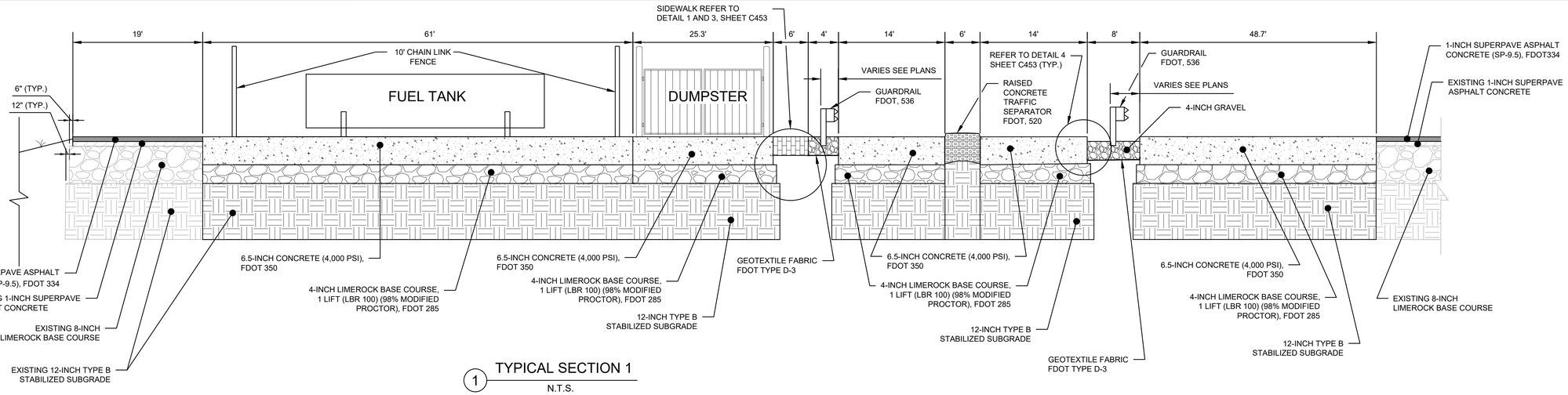
KHA PROJECT 144124117			
DATE JAN 2025	SCALE	AS SHOWN	
	DESIGNED BY	SMS	
	DRAWN BY	MC	
	CHECKED BY	NEP	

CONCRETE JOINT LAYOUT PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

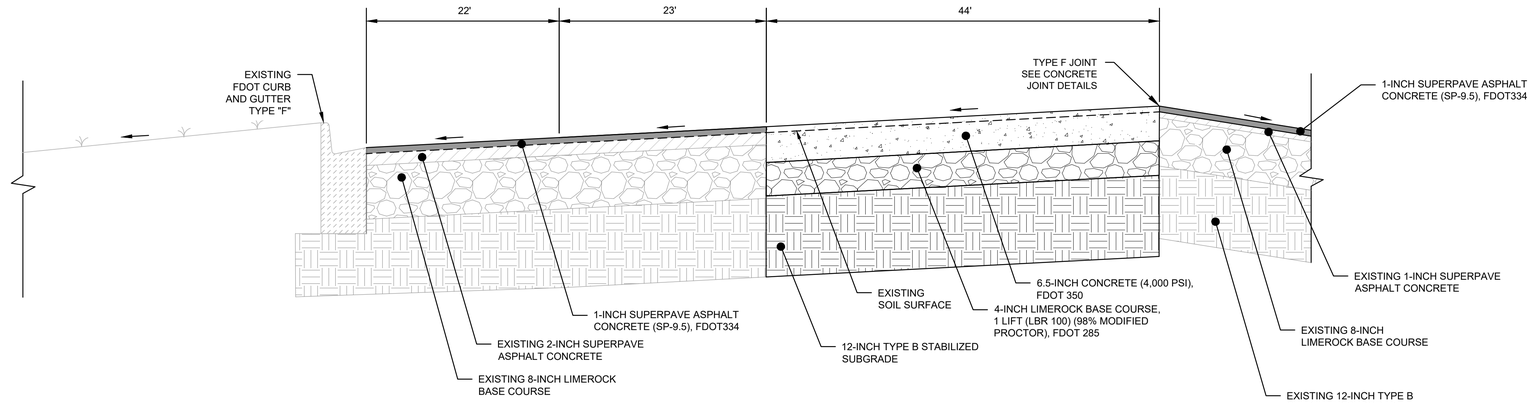
SHEET NUMBER
C409

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1 TYPICAL SECTION 1

N.T.S.

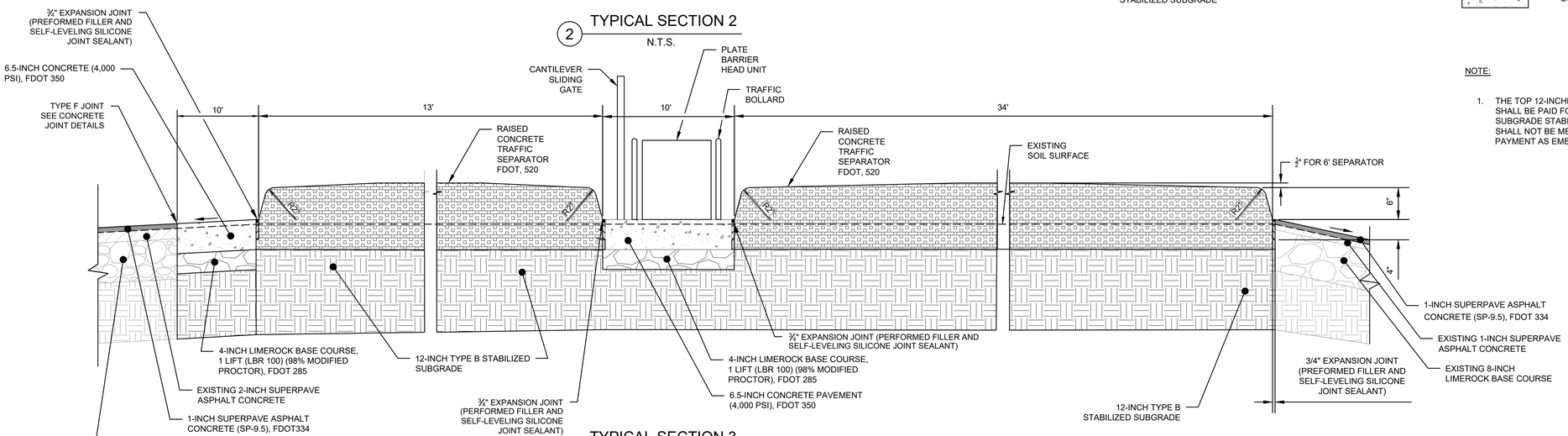


LEGEND

- EXISTING FIRST LIFT OF ASPHALT
- FINAL LIFT OF ASPHALT
- LIMEROCK BASE COURSE
- EXISTING LIMEROCK BASE COURSE
- 12" TYPE B STABILIZED SUBGRADE
- EXISTING 12" TYPE B STABILIZED SUBGRADE
- 6" RAISED CONCRETE TRAFFIC SEPARATOR, DETAIL 5, C457
- CONCRETE PAVEMENT

2 TYPICAL SECTION 2

N.T.S.



3 TYPICAL SECTION 3

N.T.S.

NOTE:

1. THE TOP 12-INCHES OF EMBANKMENT SHALL BE PAID FOR UNDER ITEM 160-1 SUBGRADE STABILIZATION AND SHALL NOT BE MEASURED FOR PAYMENT AS EMBANKMENT.

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1	ESI 1024	01/29/24	MSC

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DATE: ——

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SMS
DRAWN BY MC
CHECKED BY NEP

TYPICAL SECTIONS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C451

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4 TYPICAL SECTION 4
N.T.S.

LEGEND

- EXISTING FIRST LIFT OF ASPHALT
- FINAL LIFT OF ASPHALT
- LIMEROCK BASE COURSE
- EXISTING LIMEROCK BASE COURSE
- 12" TYPE B STABILIZED SUBGRADE
- EXISTING 12" TYPE B STABILIZED SUBGRADE
- CONCRETE PAVEMENT

NOTES:

1. GUARDRAILS ARE TO BE W-BEAM, SINGLE-FACE GUARDRAIL WITH STEEL POSTS PER FDOT INDEX 536.
2. THE TOP 12-INCHES OF EMBANKMENT SHALL BE PAID FOR UNDER ITEM 160-1 SUBGRADE STABILIZATION AND SHALL NOT BE MEASURED FOR PAYMENT AS EMBANKMENT.

5 TYPICAL SECTION 5
N.T.S.

6 TYPICAL SECTION 6
N.T.S.

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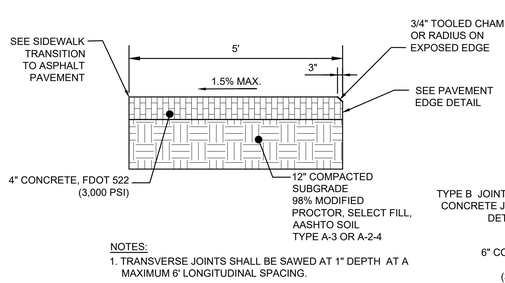
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FLORIDA LICENSE NUMBER
LIC PROF 1 #
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KHA PROJECT 144124117	SCALE AS SHOWN	DESIGNED BY SMS	DRAWN BY MC	CHECKED BY NEP
DATE JAN 2025				

TYPICAL SECTIONS

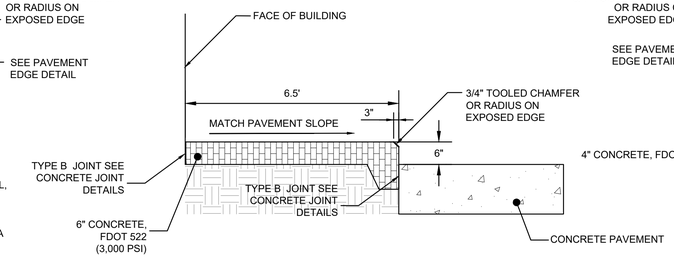
RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
C452

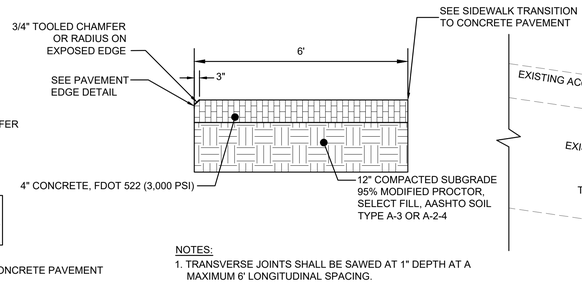


NOTES:
1. TRANSVERSE JOINTS SHALL BE SAWED AT 1" DEPTH AT A MAXIMUM 6' LONGITUDINAL SPACING.

1A PARKING LOT SIDEWALK TYPICAL SECTION
N.T.S.

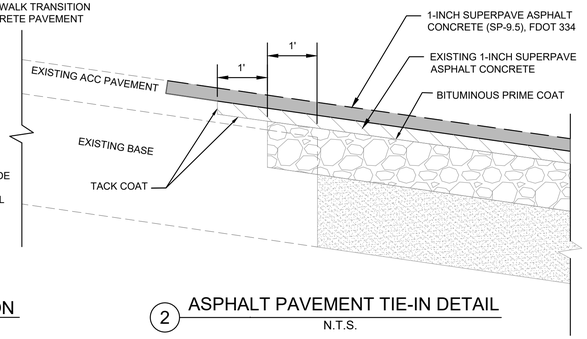


1B BUILDING SIDEWALK TYPICAL SECTION
N.T.S.

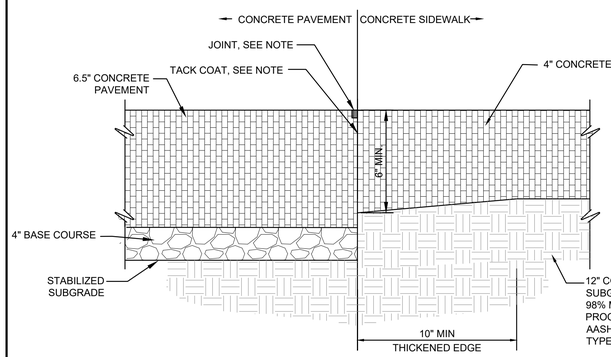


NOTES:
1. TRANSVERSE JOINTS SHALL BE SAWED AT 1" DEPTH AT A MAXIMUM 6' LONGITUDINAL SPACING.

1 DUMPSTER SIDEWALK TYPICAL SECTION
N.T.S.

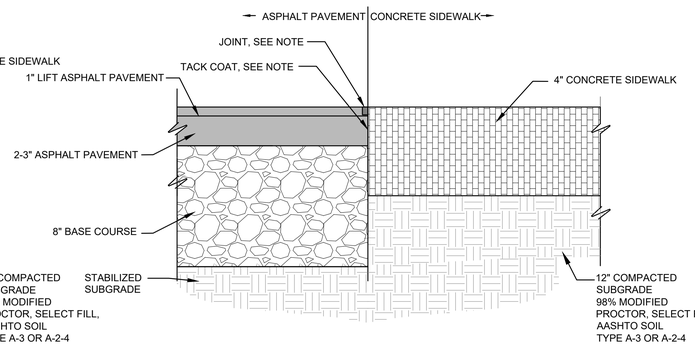


2 ASPHALT PAVEMENT TIE-IN DETAIL
N.T.S.



NOTES:
1. FOR ASPHALT PAVEMENT, NO JOINT CAVITY OR SEALANT SHALL BE PROVIDED. TACK COAT BOND TO EDGE OF SIDEWALK.
2. FOR CONCRETE PAVEMENT, NO TACK COAT SHALL BE PROVIDED. CONSTRUCT A TYPE B EXPANSION JOINT. SEE CONCRETE JOINT SEALANT DETAILS SHEET 457 DETAIL #3.

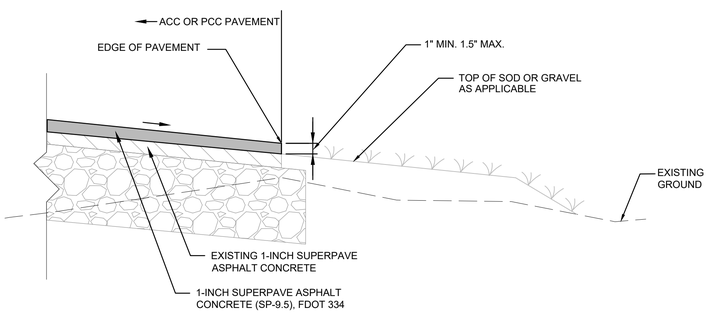
SIDEWALK TRANSITION TO CONCRETE PAVEMENT



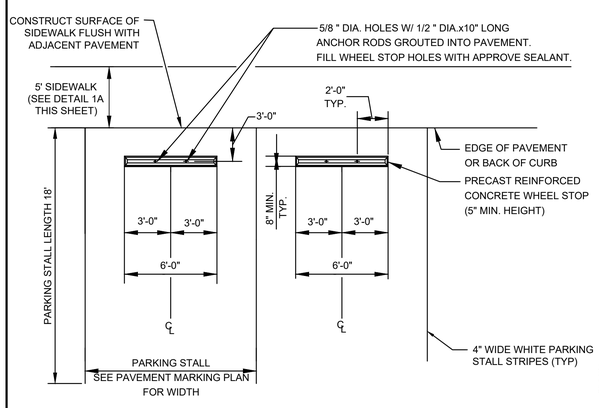
NOTES:
1. FOR ASPHALT PAVEMENT, NO JOINT CAVITY OR SEALANT SHALL BE PROVIDED. TACK COAT BOND TO EDGE OF SIDEWALK.
2. FOR CONCRETE PAVEMENT, NO TACK COAT SHALL BE PROVIDED. CONSTRUCT A TYPE B EXPANSION JOINT. SEE CONCRETE JOINT SEALANT DETAILS SHEET 457 DETAIL #3.

SIDEWALK TRANSITION TO ASPHALT PAVEMENT

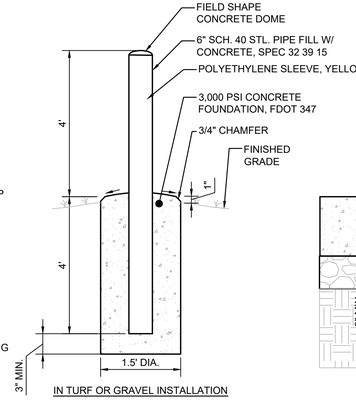
3 SIDEWALK TO PAVEMENT TRANSITION DETAILS
N.T.S.

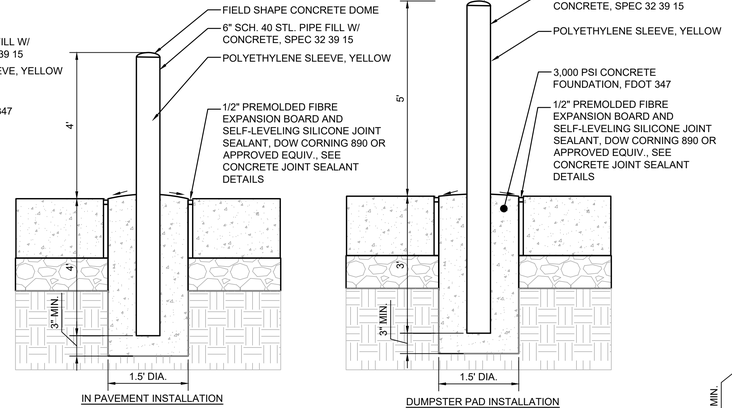


4 PAVEMENT EDGE DETAIL
N.T.S.

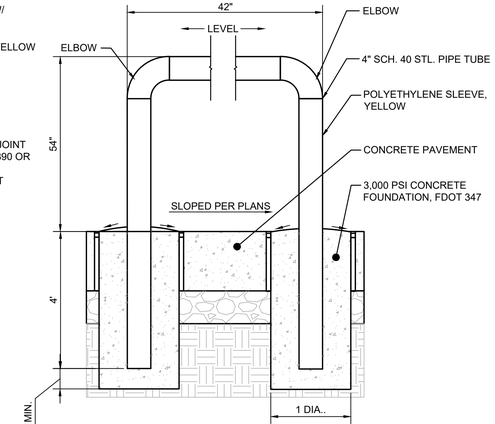


5 PRECAST CONCRETE WHEEL STOP DETAIL
N.T.S.





6 BOLLARD DETAILS
N.T.S.



7 U-SHAPED BOLLARD DETAIL
N.T.S.

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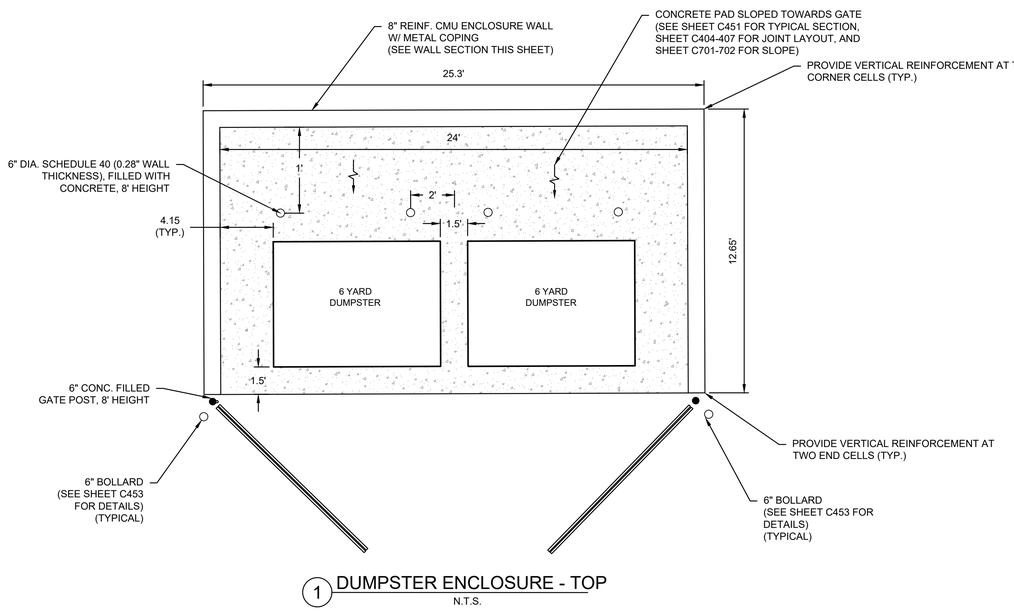
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FLORIDA LICENSE NUMBER
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KHA PROJECT	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	AS SHOWN	SMS	MC	NEP
DATE JAN 2025				

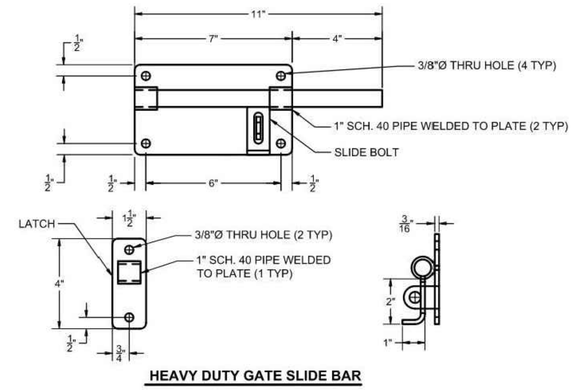
PAVING AND SITE DETAILS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

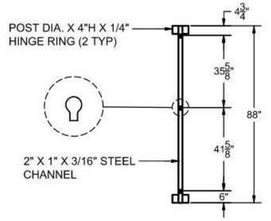
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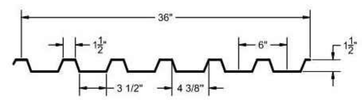
1 DUMPSTER ENCLOSURE - TOP
N.T.S.



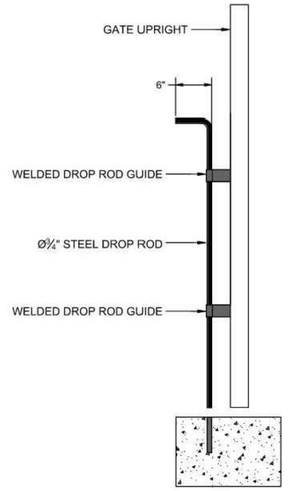
HEAVY DUTY GATE SLIDE BAR



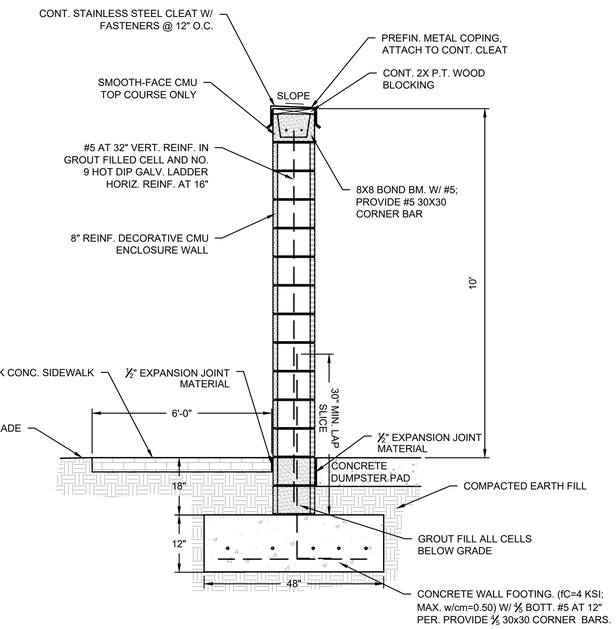
8' QUICK ATTACH HINGE DETAIL



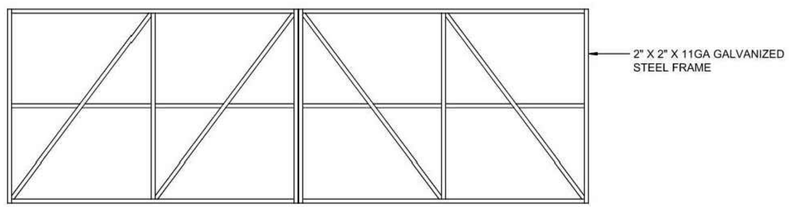
STEEL DECKING DETAIL



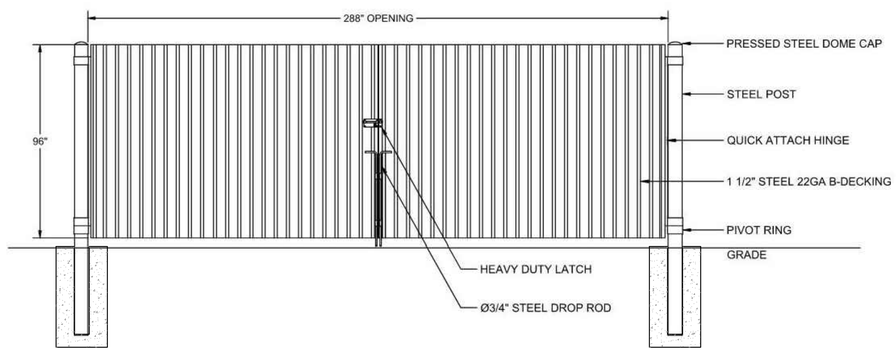
DROP ROD ASSEMBLY DETAIL (EACH LEAF)



3 DUMPSTER ENCLOSURE SECTION
N.T.S.



FRAME DETAIL



DOUBLE DRIVE GATE ELEVATION VIEW

NOTES:

1. DUMPSTER ENCLOSURE GATES SHALL BE CUSTOM-MADE POWDER COATED CORRUGATED STEEL OR METAL DECKING AND COME AS A PACKED SYSTEM TO INCLUDE GATE LEAFS, POSTS, QUICK-CONNECT HINGES, AND HARDWARE. ALL COMPONENTS POWDER COATED, COLOR TO BE COORDINATED BUILDING FACADES. BASIS OF DESIGN: SEEGARS DOUBLE DRIVE DUMPSTER GATE WITH METAL DECKING, SEEGARSFENCE.COM

SEEGARS DOUBLE DRIVE DUMPSTER GATE WITH METAL DECKING

No.	REVISIONS	DATE	BY

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FLORIDA LICENSE NUMBER
LIC PROF 1 #
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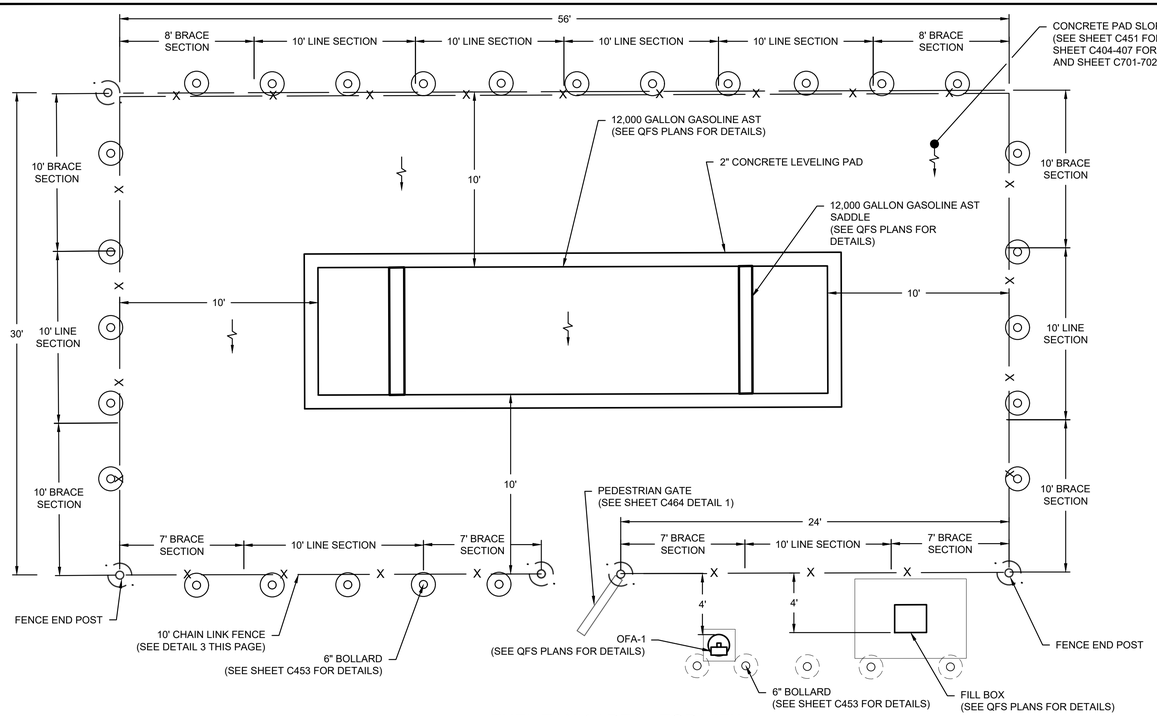
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	JAN. 2025	AS SHOWN	SMS	MC	NEP

DUMPSTER ENCLOSURE DETAILS

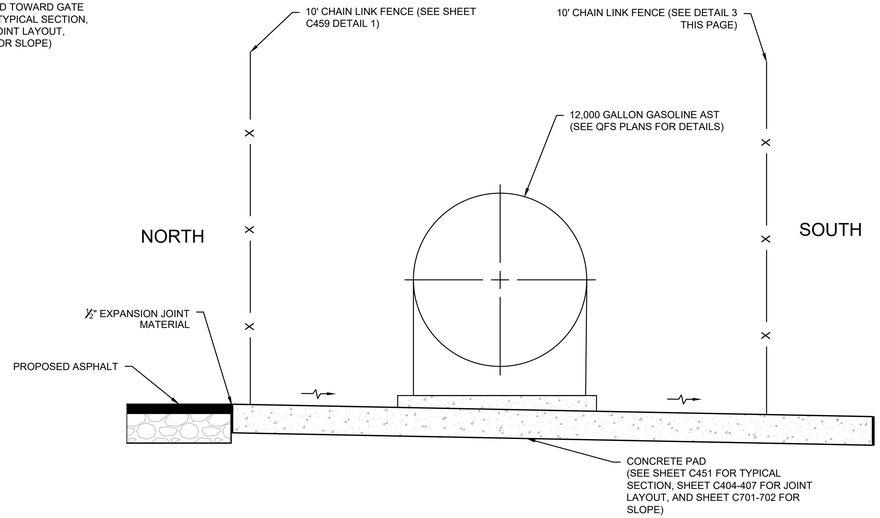
RENTAL CAR QUICK-TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

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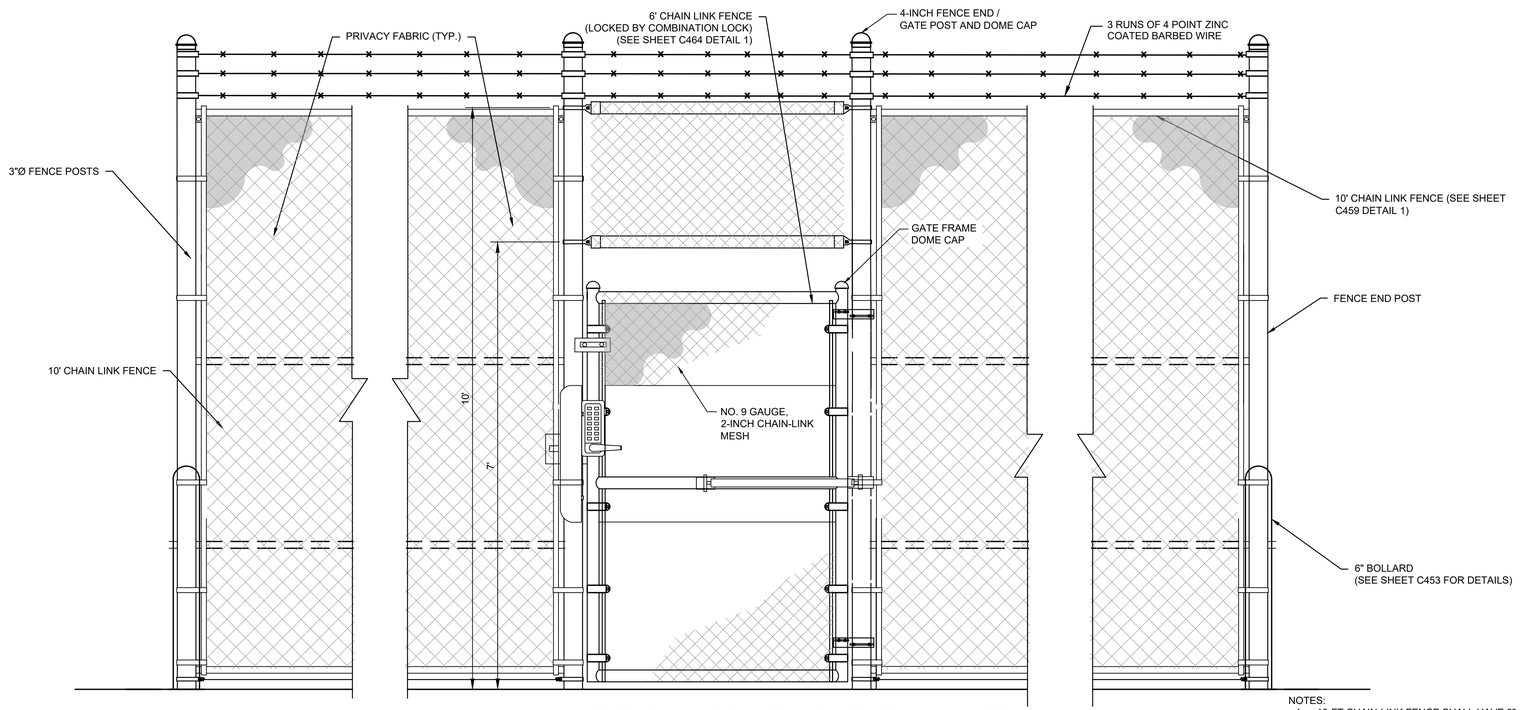
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1 FUEL TANK AREA - TOP VIEW
N.T.S.



2 FUEL TANK AREA EAST FACING SECTION
N.T.S.



3 FUEL TANK AREA - FRONT VIEW FACING NORTH
N.T.S.

NOTES:
1. 10-FT CHAIN-LINK FENCE SHALL HAVE 3" POSTS. FENCE POST FOOTINGS SHALL BE 18-INCH DIAMETER BY 4' DEEP.

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CERTIFICATE OF AUTHORIZATION NUMBER 28861

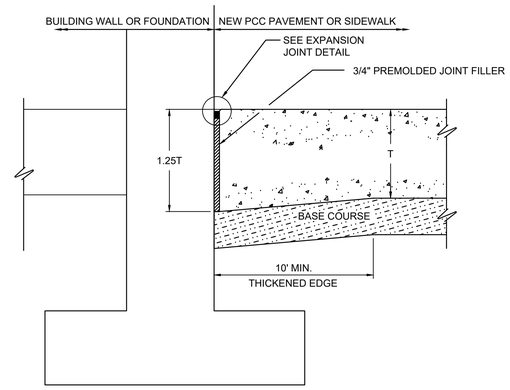
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FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	JAN 2025	AS SHOWN	SMS	MC	NEP

FUEL TANK ENCLOSURE DETAILS

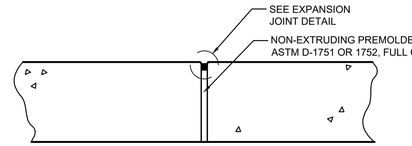
RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C455



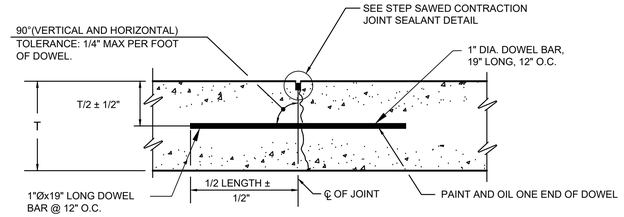
1 TYPE A - THICKENED EDGE EXPANSION JOINT (BUILDING WALL-TO-CONCRETE PAVEMENT)

N.T.S.



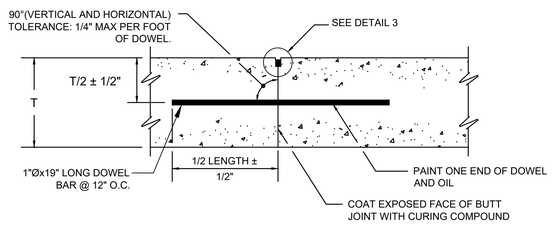
2 TYPE B - NON-DOWELED EXPANSION JOINT

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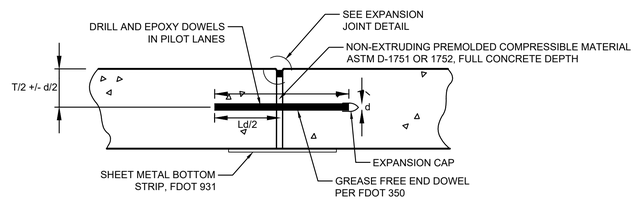
4 TYPE C - DOWELED CONTRACTION JOINT

N.T.S.



5 TYPE D - DOWELED CONSTRUCTION JOINT

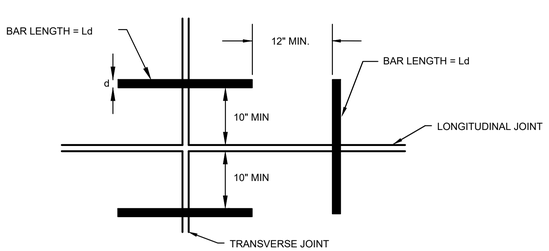
N.T.S.



6 TYPE E - DOWELED EXPANSION JOINT

N.T.S.

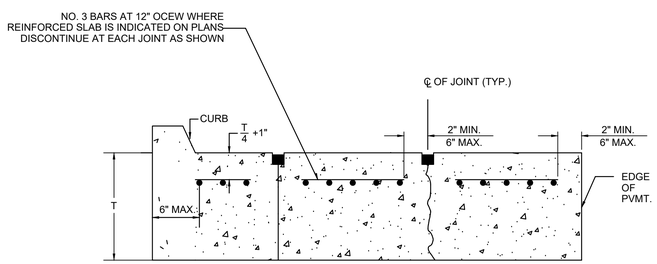
DOWEL BAR SCHEDULE			
Thickness of slab (T)	Diameter (D)	Length	Spacing
6 to 7 in.	3/4 in.	18 in.	12 in.



NOTES:
1. PROVIDE THE MAXIMUM NUMBER OF DOWEL BARS IN BOTH LONGITUDINAL AND TRANSVERSE JOINTS WHILE MEETING THE MINIMUM CLEARANCES SHOWN.

8 DOWEL BARS AT SLAB CORNERS

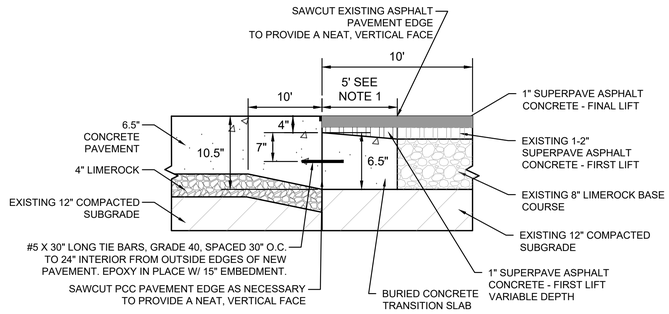
N.T.S.



NOTES:
1. SEE JOINT LAYOUT PLAN FOR LOCATION OF REINFORCED SLABS. REINFORCING ONLY APPLIES TO ODD-SHAPED SLABS AND SLABS CONTAINING PENETRATIONS.

9 SLAB REINFORCEMENT DETAIL 1

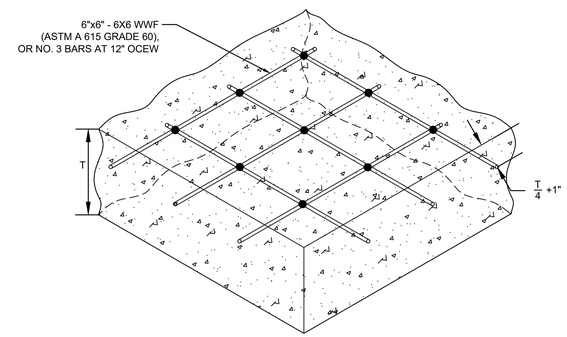
N.T.S.



NOTES:
1. DEMO EXISTING ASPHALT EDGE 5' BEYOND THE EXISTING EDGE. (FULL DEPTH). REFER TO SHEET C301 AND C302.

7 TYPE F - CONCRETE TO ASPHALT JOINT

N.T.S.



NOTES:
1. END LAPS SHALL BE 12".
2. SIDE LAPS SHALL BE 8".
3. END AND SIDE CLEARANCES SHALL BE NO LESS THAN 2" AND NOT GREATER THAN 6".
4. SPLICES SHALL HAVE AT LEAST A 16" OVERLAP.

10 SLAB REINFORCEMENT DETAIL 2

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CERTIFICATE OF AUTHORIZATION NUMBER 28861

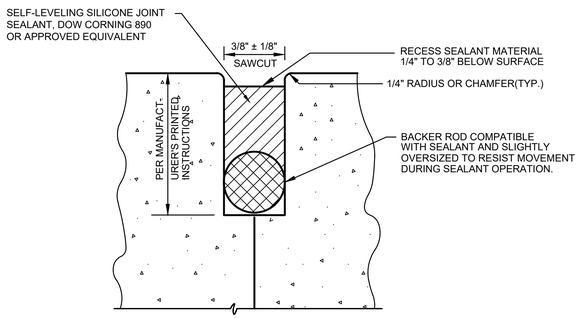
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LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: ---

KHA PROJECT	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	SMS	MC	NEP
DATE: JAN 2025			
SCALE: AS SHOWN			

CONCRETE PAVING DETAILS

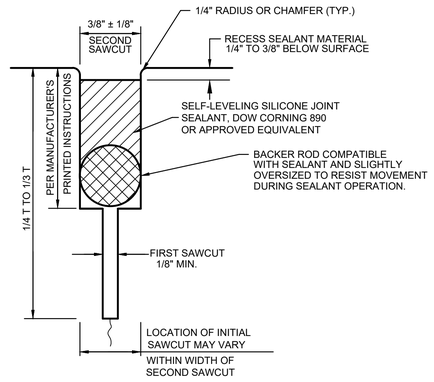
RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C456



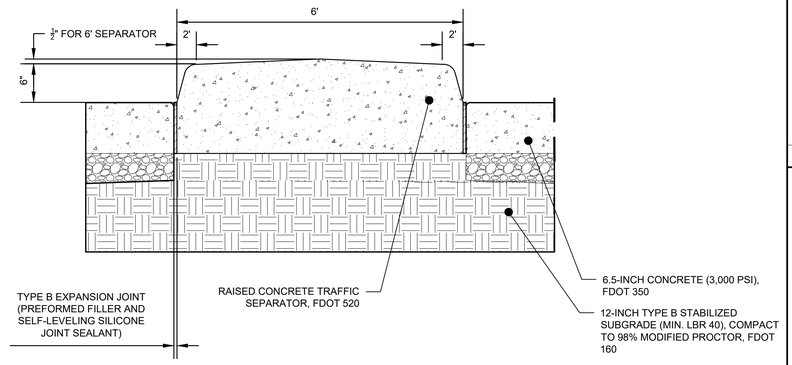
ALL SEALANT MATERIALS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AS APPROVED BY ENGINEER.

1 CONSTRUCTION JOINT SEALANT DETAIL
N.T.S.



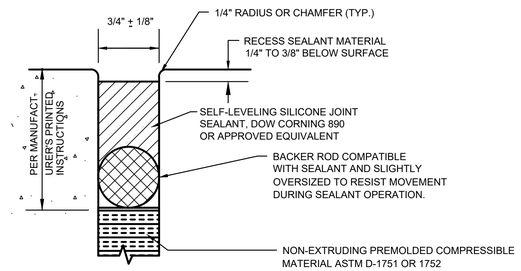
1. ALL SEALANT MATERIALS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND APPROVED BY ENGINEER.
2. INITIAL SAWCUT SHOULD BE MADE AS SOON AS PRACTICAL. BASED ON MATERIAL SET TIME.

2 STEP SAWED CONTRACTION JOINT SEALANT DETAIL
N.T.S.

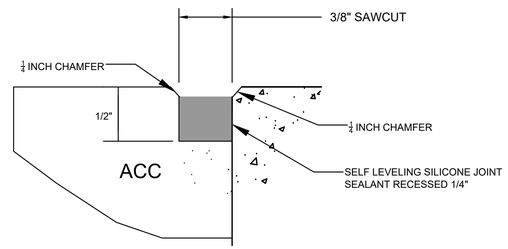


1. FOR ALL SEPARATORS PROVIDE $\frac{3}{8}$" - $\frac{1}{4}$" CONTRACTION JOINTS AT 10' CENTERS (MAX.).

5 TYPE V - CONCRETE TRAFFIC SEPARATOR
N.T.S.



3 EXPANSION JOINT SEALANT DETAIL
N.T.S.



4 ACC-TO-PCC JOINT SEALANT DETAIL
N.T.S.

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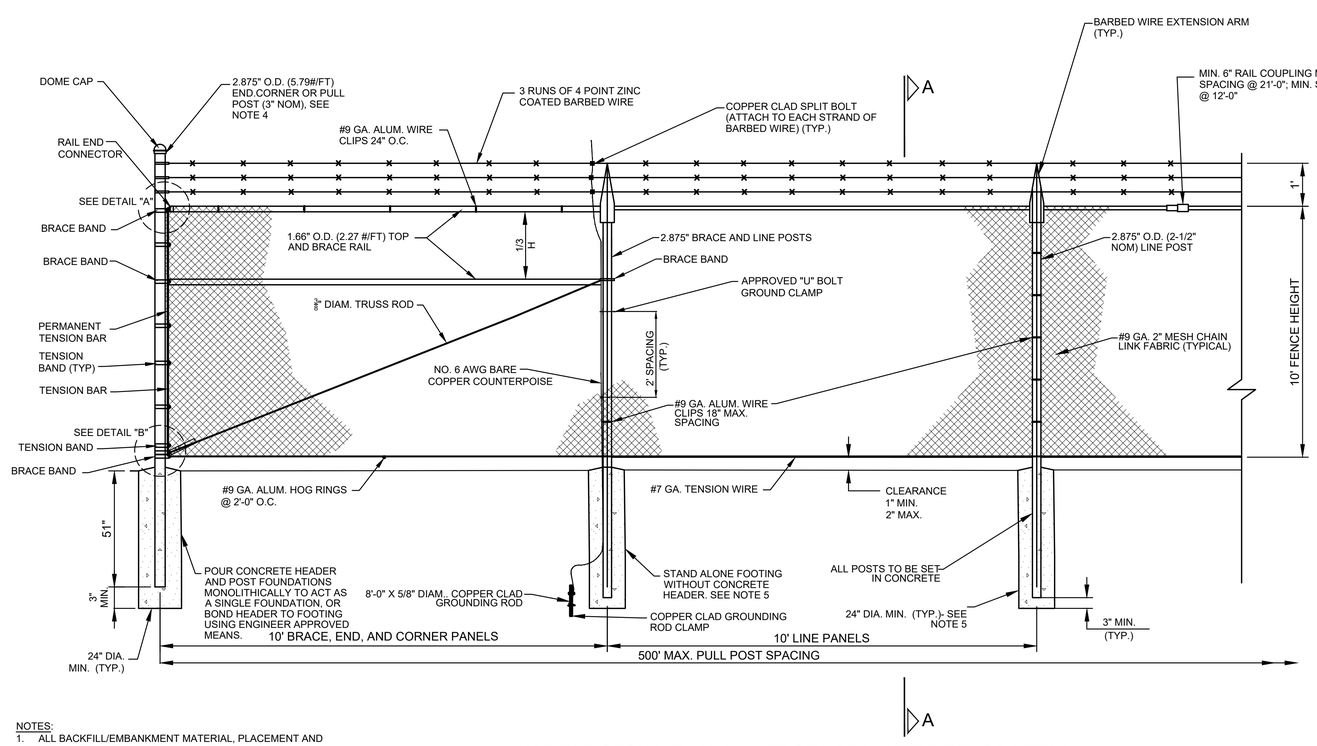
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FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

KHA PROJECT	144124117
DATE	JAN. 2025
SCALE	AS SHOWN
DESIGNED BY	SMS
DRAWN BY	MC
CHECKED BY	NEP

CONCRETE JOINT DETAILS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C457

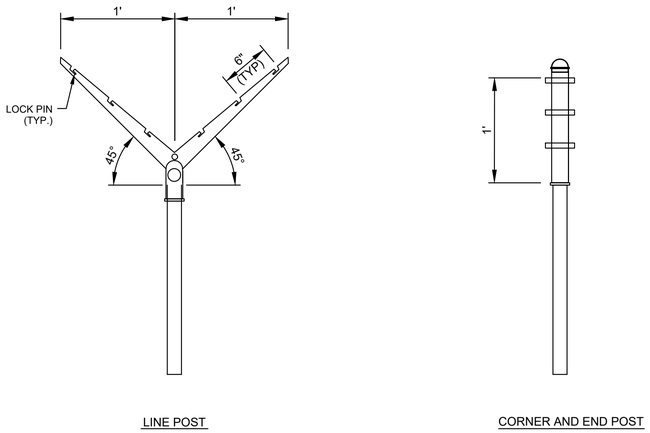


NOTES:

1. ALL BACKFILL/EMBANKMENT MATERIAL, PLACEMENT AND COMPACTION REQUIRED TO MAINTAIN THE 2" MAXIMUM GAP BETWEEN FENCE AND GROUND AND TO BACKFILL AROUND CONCRETE POST BASES SHALL BE INCIDENTAL TO THE PAY ITEM FOR FENCING. NO ADDITIONAL PAYMENT SHALL BE MADE FOR EMBANKMENT.
2. POST FOOTING DIAMETER SHALL BE 18-INCHES OR 3 TIMES THE PIPE OUTSIDE DIAMETER, WHICHEVER IS GREATER.
3. FENCE MATERIALS SHALL BE COMMERCIAL GRADE HOT DIPPED GALVANIZED STEEL UNLESS OTHERWISE INDICATED.
4. ONLY LINE POSTS AND BRACE POSTS SHALL HAVE BARBED WIRE EXTENSION ARMS. CORNER AND END POSTS SHALL HAVE DOME CAPS.

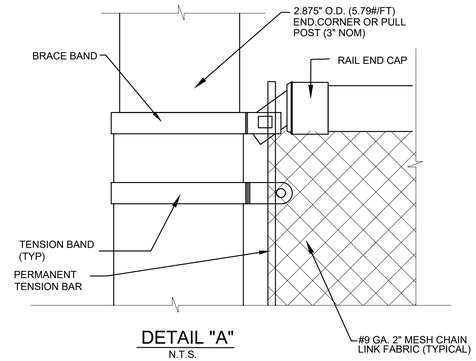
1 AIRFIELD SECURITY AND 10-FT QTA PERIMETER FENCE DETAIL

N.T.S.



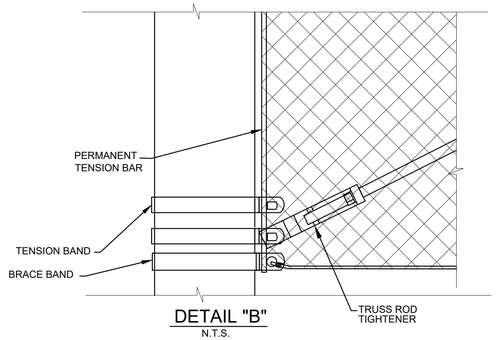
3 BARBED WIRE EXTENSION ARMS

N.T.S.



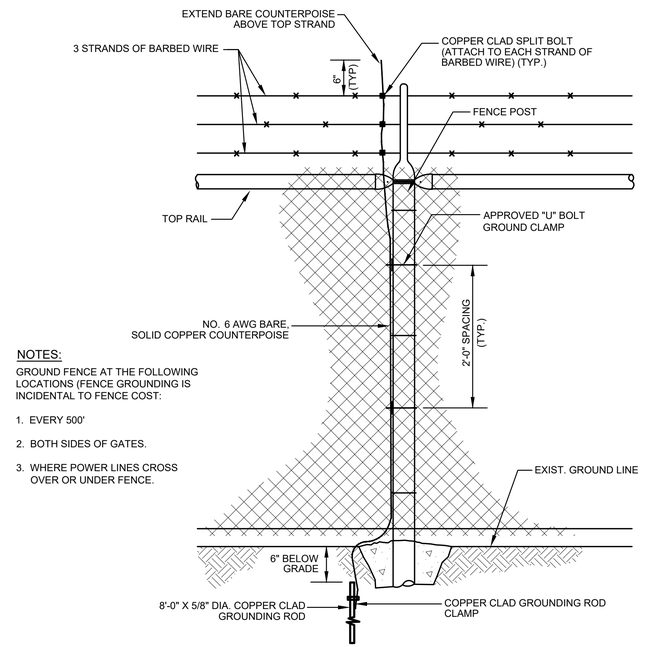
DETAIL "A"

N.T.S.



DETAIL "B"

N.T.S.



NOTES:

GROUND FENCE AT THE FOLLOWING LOCATIONS (FENCE GROUNDING IS INCIDENTAL TO FENCE COST:

1. EVERY 500'
2. BOTH SIDES OF GATES.
3. WHERE POWER LINES CROSS OVER OR UNDER FENCE.

4 TYPICAL FENCE GROUNDING DETAIL

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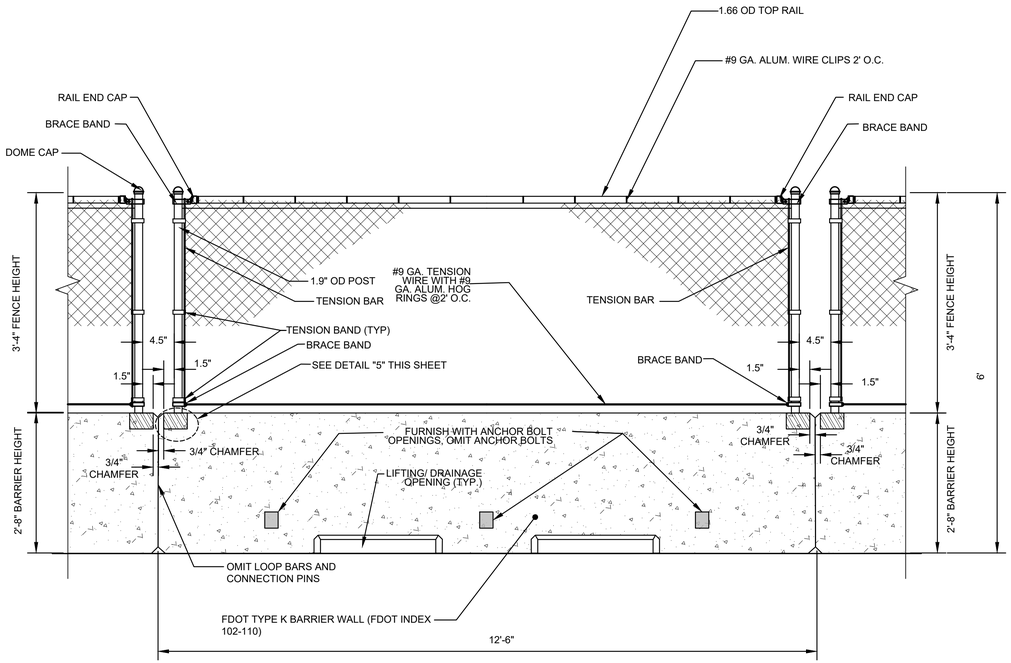
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144124117	JAN 2025	AS SHOWN	SMS	MC	NEP

DATE: -----

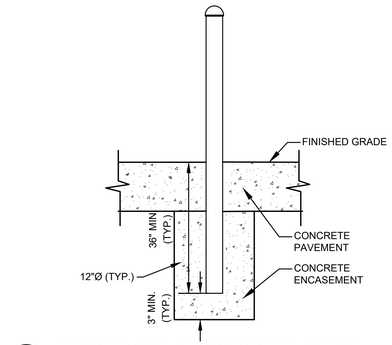
AIRFIELD FENCING DETAILS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

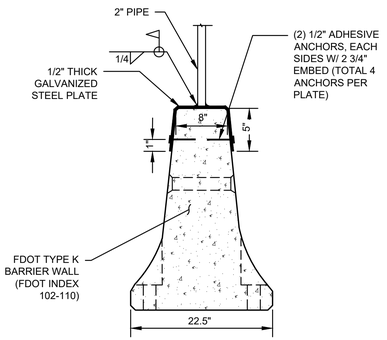
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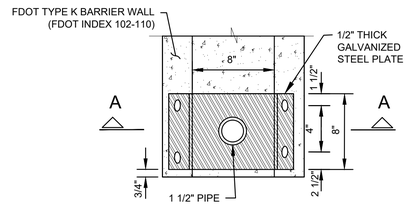
1 QTA MOVEABLE INTERNAL FENCE DETAIL
N.T.S.



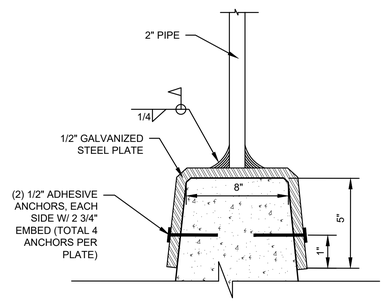
2 FENCE POST IN CONCRETE DETAIL
N.T.S.



3 FENCE POST - BARRIER CONNECTION
N.T.S.



4 BARRIER CONNECTION PLATE PLAN
N.T.S.



5 FENCE POST - BARRIER CONNECTION PLATE (SECTION A-A)
N.T.S.

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CERTIFICATE OF AUTHORIZATION NUMBER 28861

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FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: _____

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SMS
DRAWN BY MC
CHECKED BY NEP

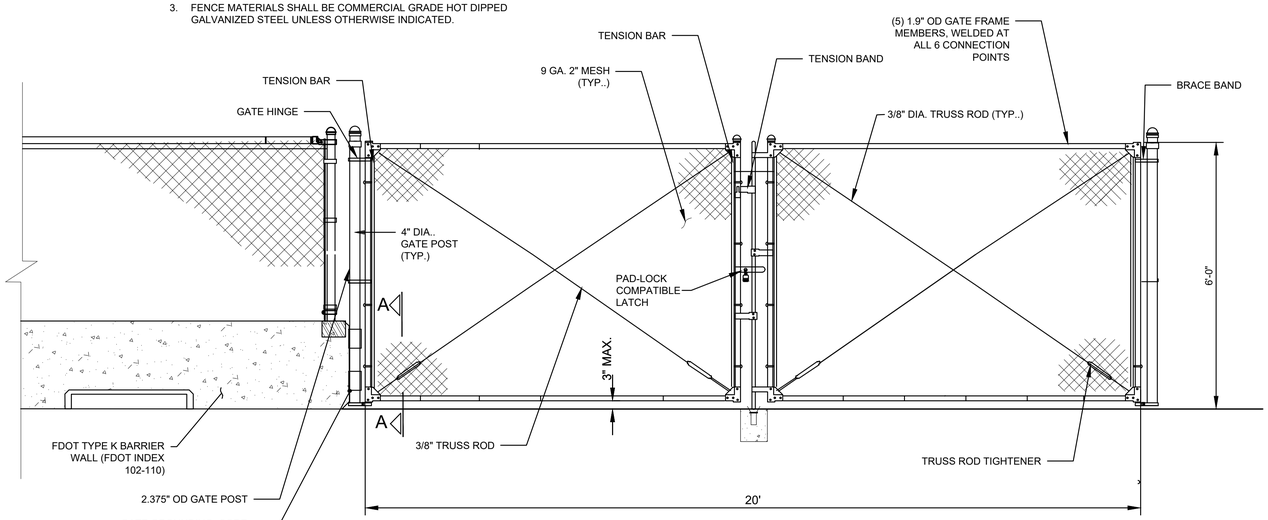
QTA FENCING DETAILS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
C459

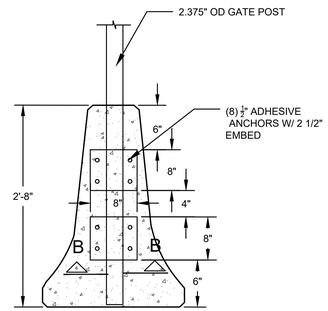
NOTES

1. ALL PIPE FRAMEWORK AND OTHER FERROUS MATERIALS SHALL BE COMMERCIAL GRADE GALVANIZED STEEL, UNLESS OTHERWISE NOTED.
2. A KNOX KEY BOX SHALL BE INSTALLED, THE COST OF FURNISHING AND MOUNTING THE KNOX KEY BOX IS CONSIDERED INCIDENTAL TO ALL INTERNAL SWING GATES.
3. FENCE MATERIALS SHALL BE COMMERCIAL GRADE HOT DIPPED GALVANIZED STEEL UNLESS OTHERWISE INDICATED.

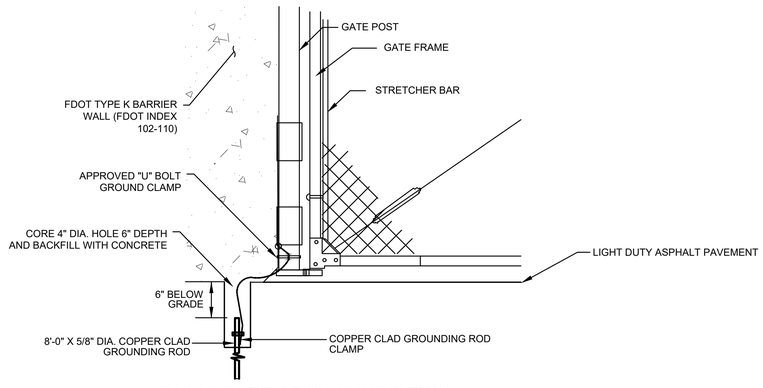


1 QTA MOVEABLE INTERNAL GATE DETAIL

N.T.S.

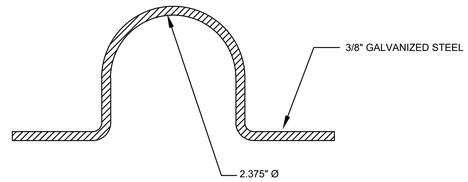


SECTION A-A



2 SWING GATE GROUNDING DETAIL

N.T.S.



SECTION B-B

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2211 ANNAPOLIS CENTRE WAY, SUITE 21
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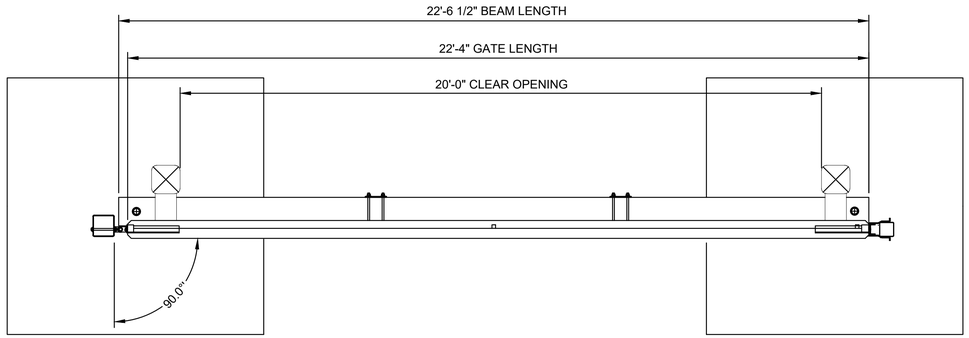
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LIC PROF 1
FLORIDA LICENSE NUMBER
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KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
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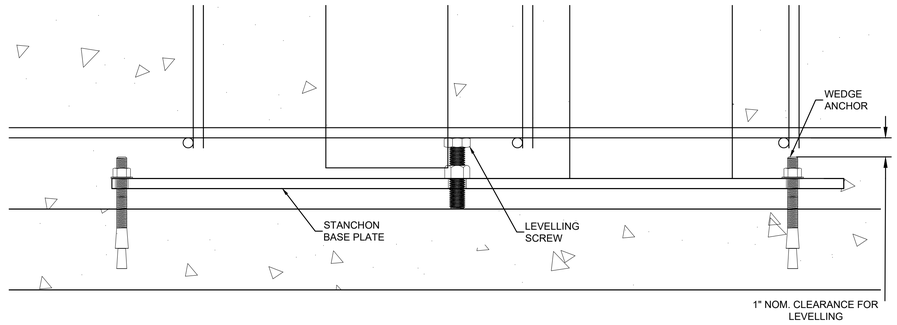
SWING GATE DETAILS

RENTAL CAR QUICK-TURNAROUND FACILITY
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FLORIDA

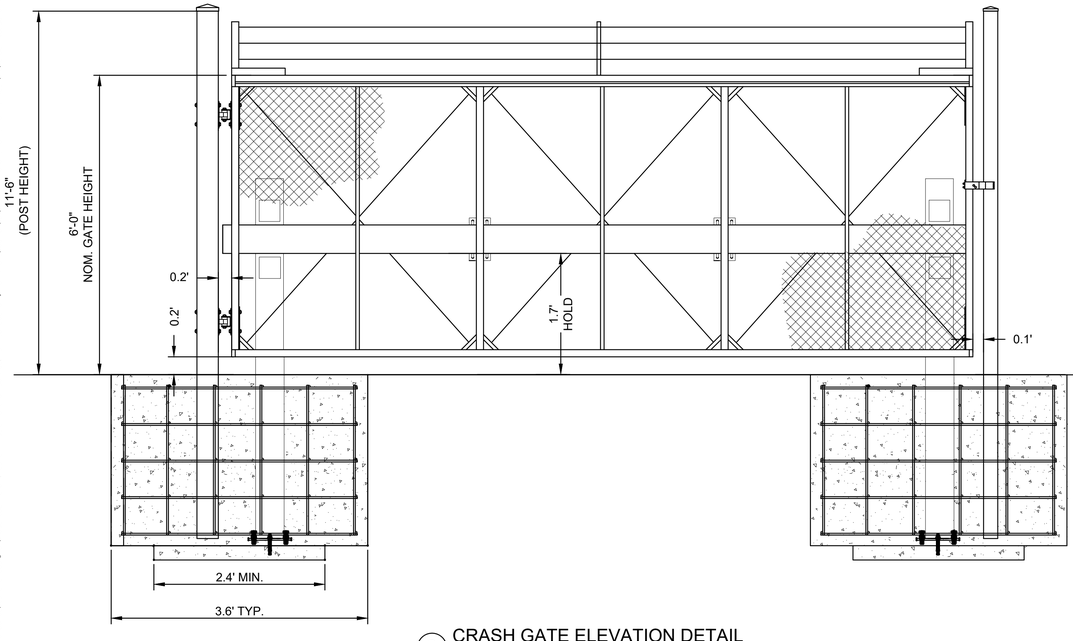
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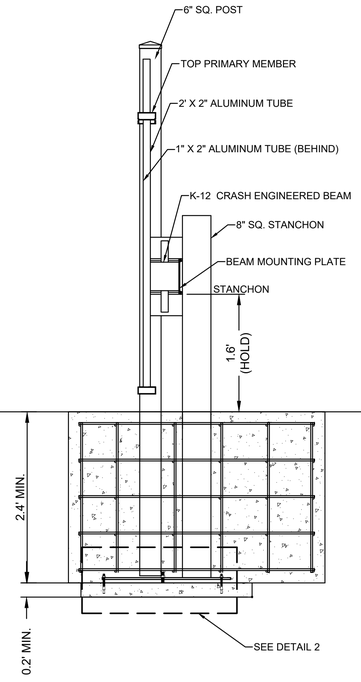
1 CRASH GATE PLAN VIEW
N.T.S.



2 LEVELLING DETAIL
N.T.S.



3 CRASH GATE ELEVATION DETAIL
N.T.S.



4 CRASH GATE SIDE DETAIL

CRITICAL DIMENSION CHART		
A	CLEAR OPENING	20'-0"
B	BETWEEN POSTS	22'-10 3/4"
C	OVERALL GATE LENGTH	22'-4"
E	NOMINAL GATE HEIGHT	10'-0"
F	POST HEIGHT	11'-6"
G	FABRIC HEIGHT	9'-0"

NOTES:
1. BASIS OF DESIGN IS THE FORTRESS HEAVY DUTY CRASH ENGINEERED K4 SWING GATE AS MANUFACTURED BY TYMETAL CORP., TYMETAL.COM.
2. A KNOX KEY BOX SHALL BE INSTALLED, THE COST OF FURNISHING AND MOUNTING THE KNOX KEY BOX IS CONSIDERED INCIDENTAL TO ALL CRASH GATES.
3. SIZE CRASH GATE HINGE POSTS PER MANUFACTURER'S RECOMMENDATION.

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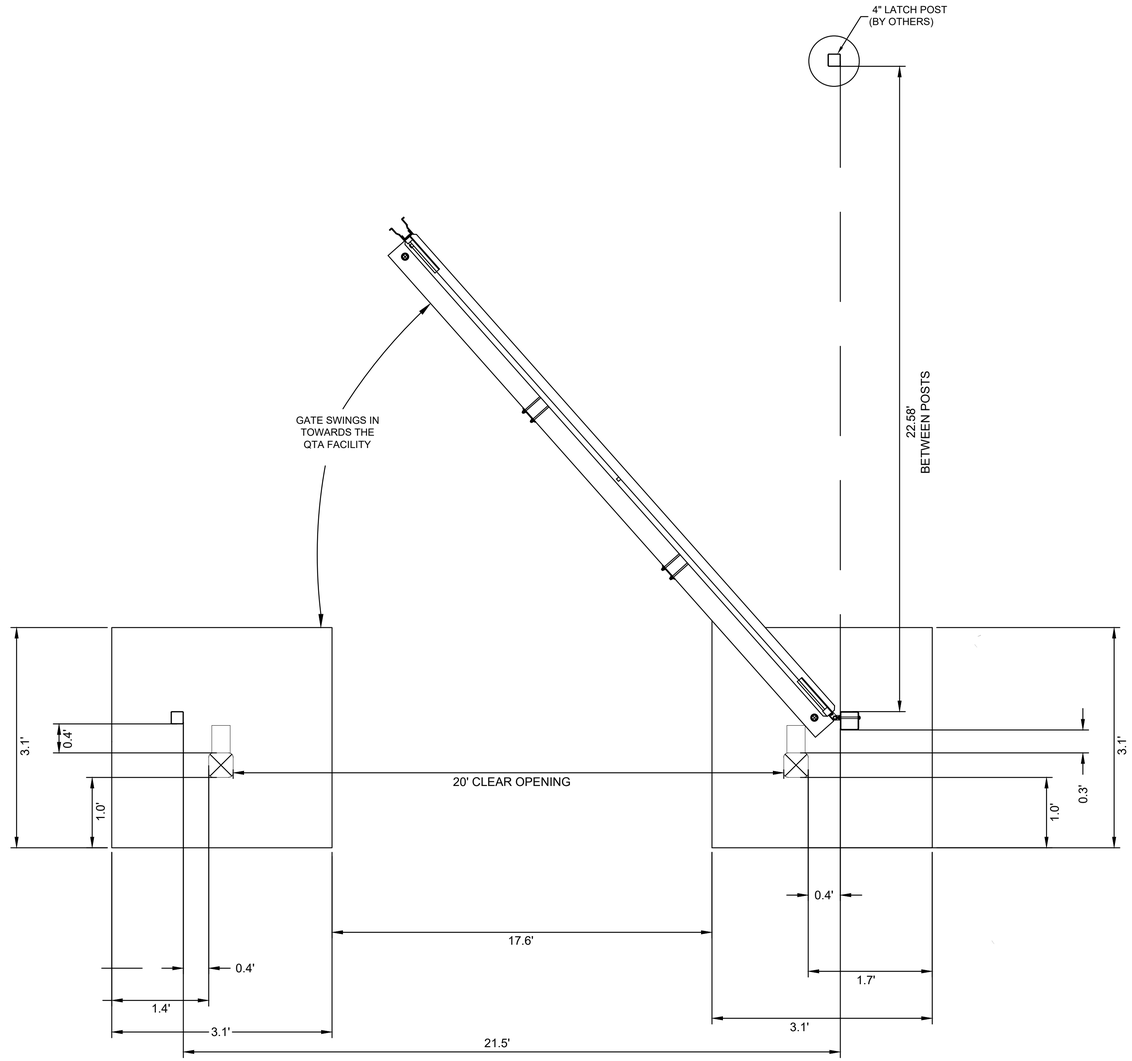
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	JAN 2025	AS SHOWN	SMS	MC	NEP

CRASH GATE DETAILS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

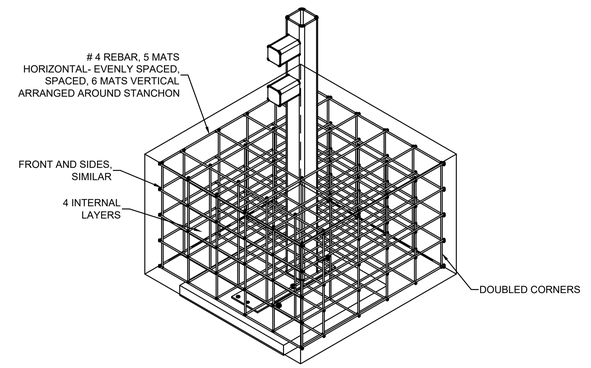
SHEET NUMBER
C461

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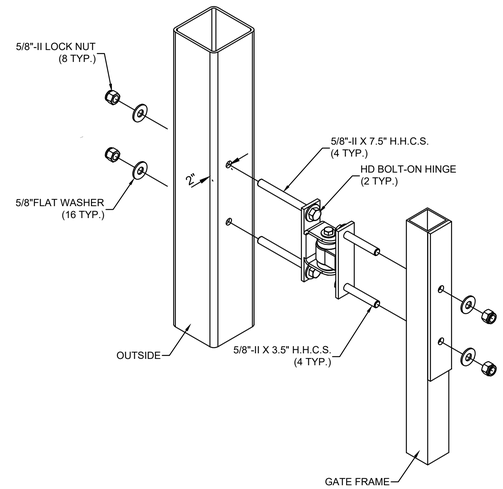


1 10-FT QTA - CRASH GATE DETAILS
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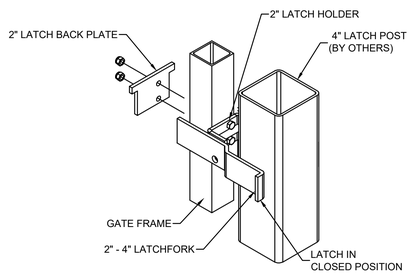
NOTES:
1. THE CONTRACTOR SHALL REFER TO SHEETS C401 AND C402 FOR THE CRASH GATE OPENING DIRECTION AND GATE ORIENTATION.



2 CRASH GATE REBAR DETAIL
N.T.S.



3 CRASH GATE HINGE ASSEMBLY
N.T.S.



4 CRASH GATE LATCH ASSEMBLY DETAIL
N.T.S.

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Michael Baker INTERNATIONAL
MICHAEL BAKER INTERNATIONAL, INC.
2211 KING ROAD, SUITE 350 (850) 201-2202
TALLAHASSEE, FLORIDA 32303
CERTIFICATE OF AUTHORIZATION NUMBER 28861

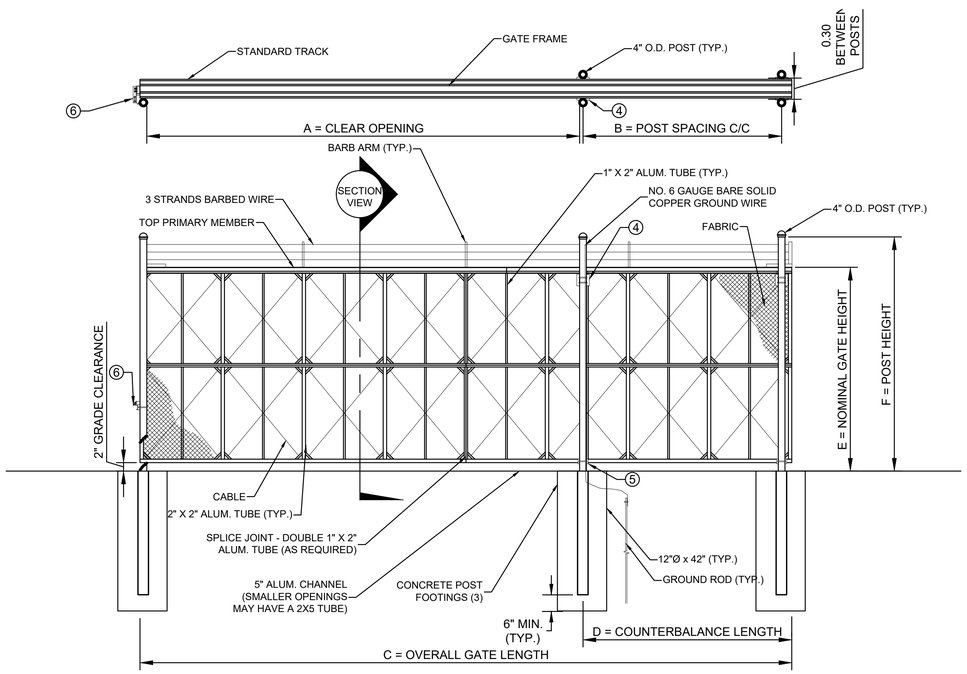
LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: _____

KHA PROJECT 144124117			
DATE	JAN 2025		
SCALE	AS SHOWN		
DESIGNED BY	SMS		
DRAWN BY	MC		
CHECKED BY	NEP		

CRASH GATE DETAILS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE, FLORIDA

SHEET NUMBER
C462

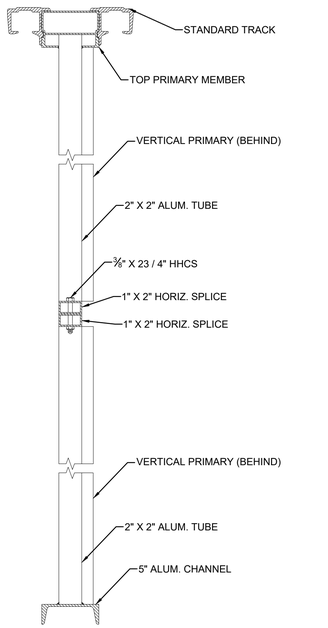


1 CANTILEVER SLIDE GATE DETAIL
N.T.S.

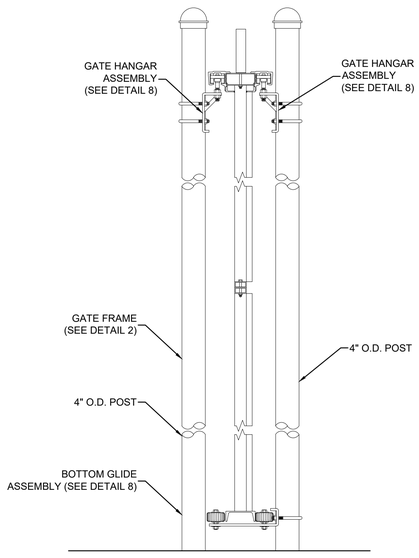
CRITICAL DIMENSIONS

A	CLEAR OPENING (INSIDE FACE TO INSIDE FACE)	36'-0"
B	POST SPACING (CENTER TO CENTER)	17'-1"
C	OVERALL GATE LENGTH	54'-0"
D	LENGTH OF COUNTERBALANCE	18'-0"
E	NOMINAL GATE HEIGHT	10'-0"
F	GATE POST HEIGHTS	11'-6"
G	FABRIC HEIGHT	9'-0"

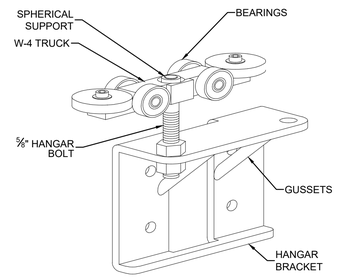
NOTES:
1. BASIS OF DESIGN IS THE FORTRESS STRUCTURAL ALUMINUM CANTILEVER SLIDE GATE AS MANUFACTURED BY TYMETAL CORP., TYMETAL.COM.
2. ALL FITTINGS STANDARDLY PROVIDED FOR 4" OD POSTS. OTHER SIZES AVAILABLE UPON REQUEST.



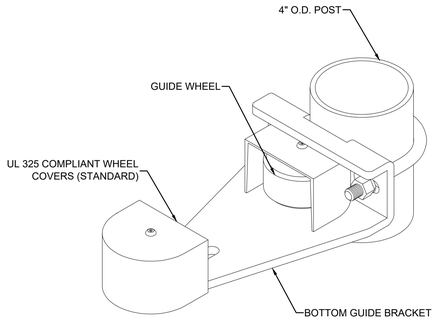
2 GATE FRAME SECTION
N.T.S.



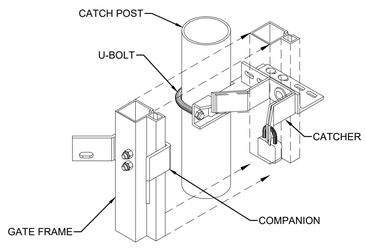
3 GATE ASSEMBLY SECTION
N.T.S.



4 GATE HANGER ASSEMBLY DETAIL
N.T.S.



5 BOTTOM GUIDE ASSEMBLY
N.T.S.



6 CATCH ASSEMBLY DETAIL
N.T.S.

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CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

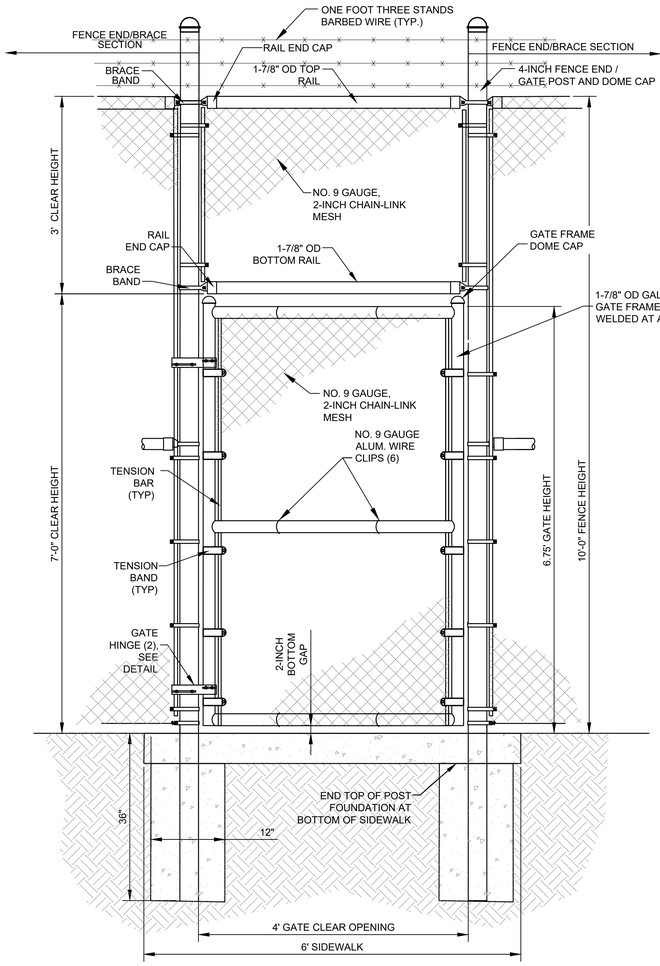
KHA PROJECT 144124117			
DATE	JAN 2025		
SCALE	AS SHOWN		
DESIGNED BY	SMS	TM	
DRAWN BY	MC	CG	
CHECKED BY	NEP	TM	

CANTILEVER SLIDE GATE DETAILS

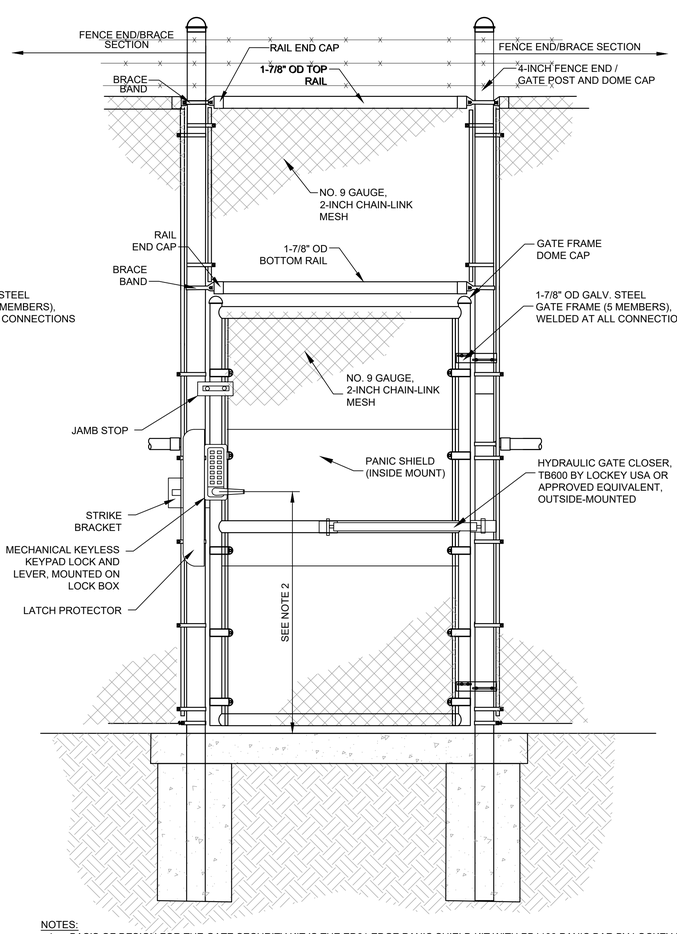
RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C463

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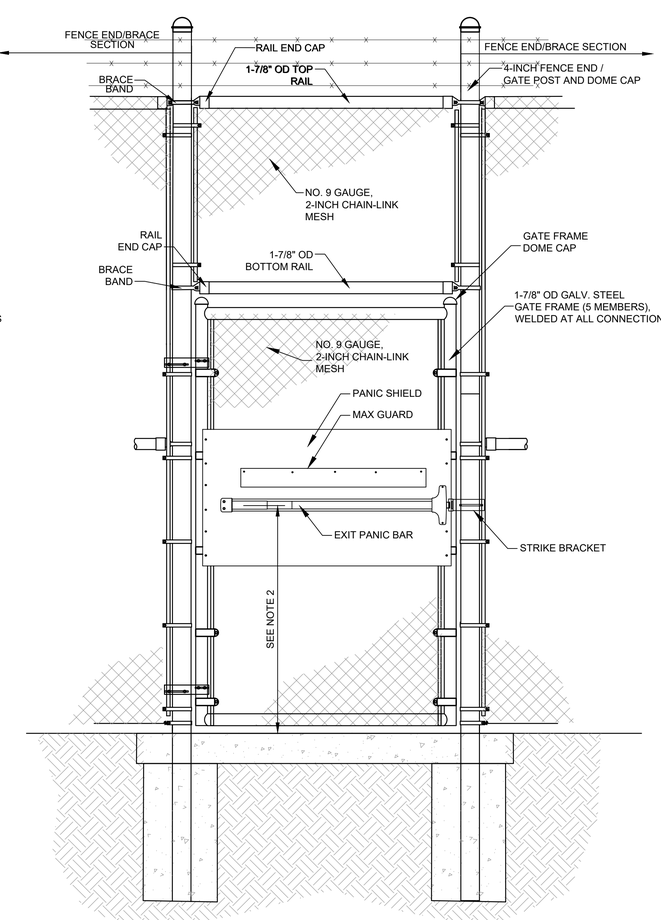


1 PEDESTRIAN GATE (BEFORE SECURITY KIT)
N.T.S.

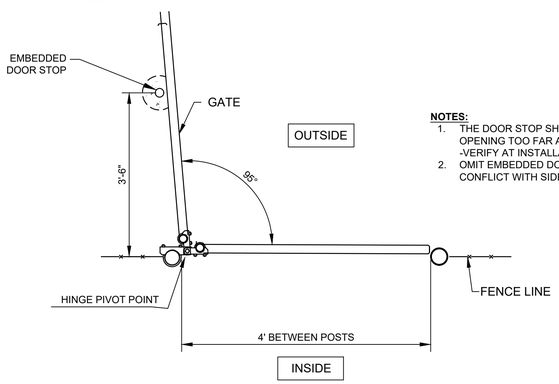


NOTES:
1. BASIS OF DESIGN FOR THE GATE SECURITY KIT IS THE ED61 EDGE PANIC SHIELD KIT WITH PB1100 PANIC BAR BY LOCKEY USA.
2. MOUNT KEYPAD/LEVER, PANIC SHIELD, PANIC BAR, STRIKE BRACKET, AND LATCH PROTECTOR KIT AT THE MANUFACTURER RECOMMENDED HEIGHT.
3. GATE FRAME MEMBERS AND CONNECTION HARDWARE SHALL BE HOT-DIPPED GALVANIZED STEEL UNLESS OTHERWISE INDICATED.

2 PEDESTRIAN GATE OUTSIDE (AFTER SECURITY KIT)
N.T.S.

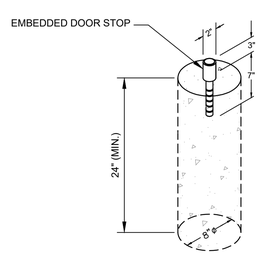


3 PEDESTRIAN GATE INSIDE (AFTER SECURITY KIT)
N.T.S.

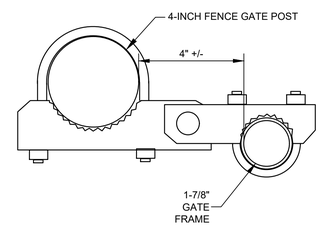


NOTES:
1. THE DOOR STOP SHALL PREVENT THE GATE FROM OPENING TOO FAR AND DAMAGING THE DOOR CLOSER. -VERIFY AT INSTALLATION-
2. OMIT EMBEDDED DOOR STOP WHERE IT WILL CONFLICT WITH SIDEWALK LOCATIONS.

4 GATE PLAN VIEW
N.T.S.



5 EMBEDDED DOOR STOP
N.T.S.



NOTES:
1. 180 DEGREE COMMERCIAL DUTY GATE HINGE. PEDESTRIAN GATE HINGE SIZED FOR 4-INCH OD GATE POST AND 1-7/8" GATE FRAME. INTERNAL QTA FENCE GATE HINGE SIZED FOR 2-3/8" GATE POST AND 1-7/8" GATE FRAME. INCLUDES U-BOLTS. ALL HARDWARE GALVANIZED STEEL.

6 GATE HINGE DETAIL
N.T.S.

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2316 KILLEARN CENTER BLVD. SUITE 201-A
TALLAHASSEE, FLORIDA 32309 (850) 270-2626
CERTIFICATE OF AUTHORIZATION NUMBER 28861

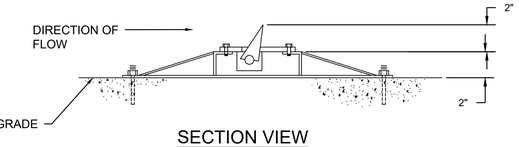
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LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
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DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SMS
DRAWN BY	MC
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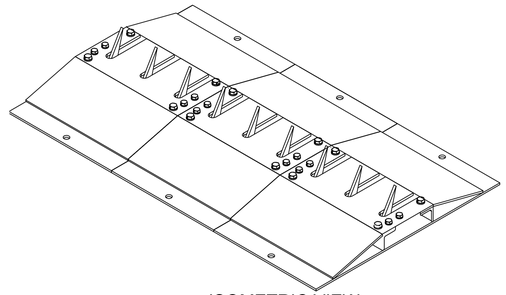
PEDESTRIAN GATE DETAILS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
C464



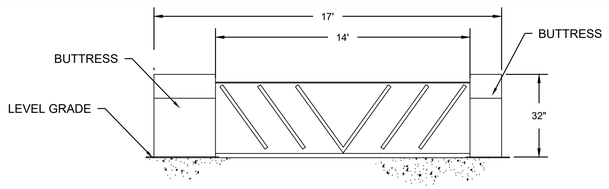
SECTION VIEW



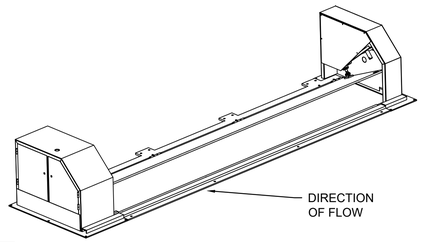
ISOMETRIC VIEW

NOTES:
1. FRAME SHALL BE ANCHORED PER THE MANUFACTURERS RECOMMENDATION, USING HILTI WEDGE ANCHORS OR APPROVED EQUIVALENT OR EPOXY ANCHORED AS RECOMMENDED BY MANUFACTURER.
2. BASIS OF DESIGN: OPTION 1 - CS36-SM BY SPIKE SYSTEMS, INC.; OPTION 2 - POINTGUARD BY APEX FABRICATION AND DESIGN, INC.
3. ANCHOR HOLES SHALL BE PLACED A MINIMUM DISTANCE OF 6-INCHES FROM CONCRETE PAVEMENT JOINTS.

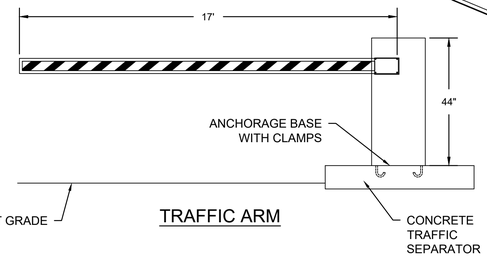
1 PASSIVE SURFACE MOUNTED SPIKE STRIPS
N.T.S.



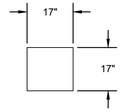
SECTION VIEW



ISOMETRIC VIEW

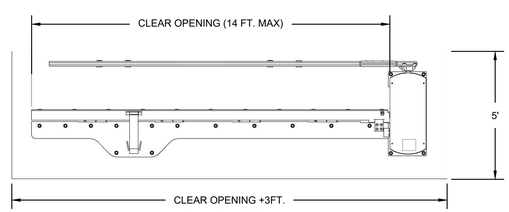


TRAFFIC ARM

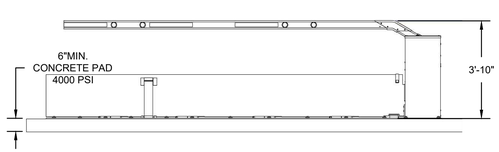


NOTES:
1. GATE SHALL BE ANCHORED PER THE MANUFACTURERS RECOMMENDATION.
2. BASIS OF DESIGN: FOR PLATE-BARRIER OPTION 1 IS PBG-140 BY SPIKE SYSTEMS INC.
3. PLATE BARRIER OPTION 2 INCLUDES A SEPARATE TRAFFIC ARM. TRAFFIC ARM BASIS OF DESIGN; ACCESS PRO-L-RC01240 BY MAGNETIC, INC.

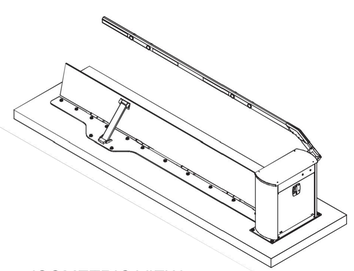
2 PLATE BARRIER GATE (OPTION 1)
N.T.S.



PLAN VIEW



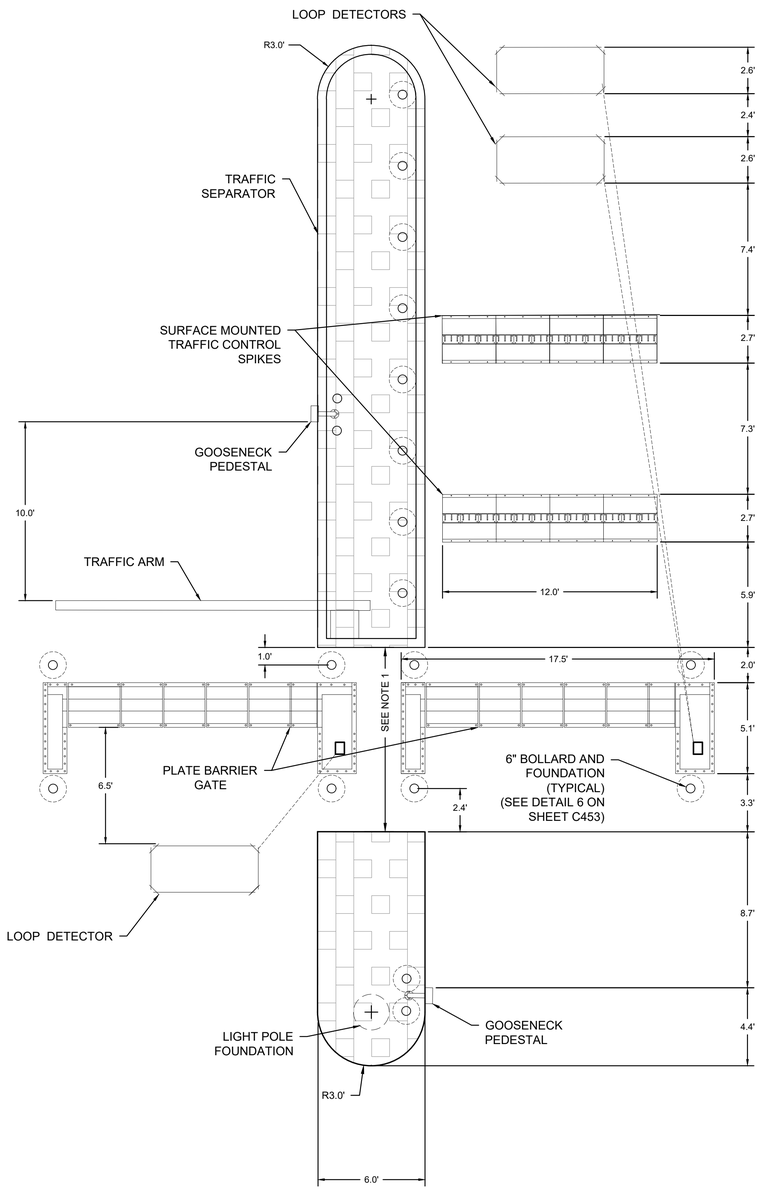
FRONT VIEW



ISOMETRIC VIEW

NOTES:
1. PLATE-BARRIER SHALL BE ANCHORED PER THE MANUFACTURER'S RECOMMENDATIONS.
2. BASIS OF DESIGN FOR PLATE-BARRIER OPTION 2 IS LT WEDGE BY APEX FABRICATION AND DESIGN, INC. WITH INTEGRAL TRAFFIC ARM.

3 PLATE BARRIER GATE (OPTION 2)
N.T.S.



4 TYPICAL ACCESS CONTROL LAYOUT
N.T.S.

NOTES:
1. SIZE GAP IN TRAFFIC SEPARATOR TO ACCOMMODATE PLATE BARRIER HEAD UNIT AND BOLLARDS.

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TALLAHASSEE, FLORIDA 32309
CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC. PROF 1 #
DATE: -----

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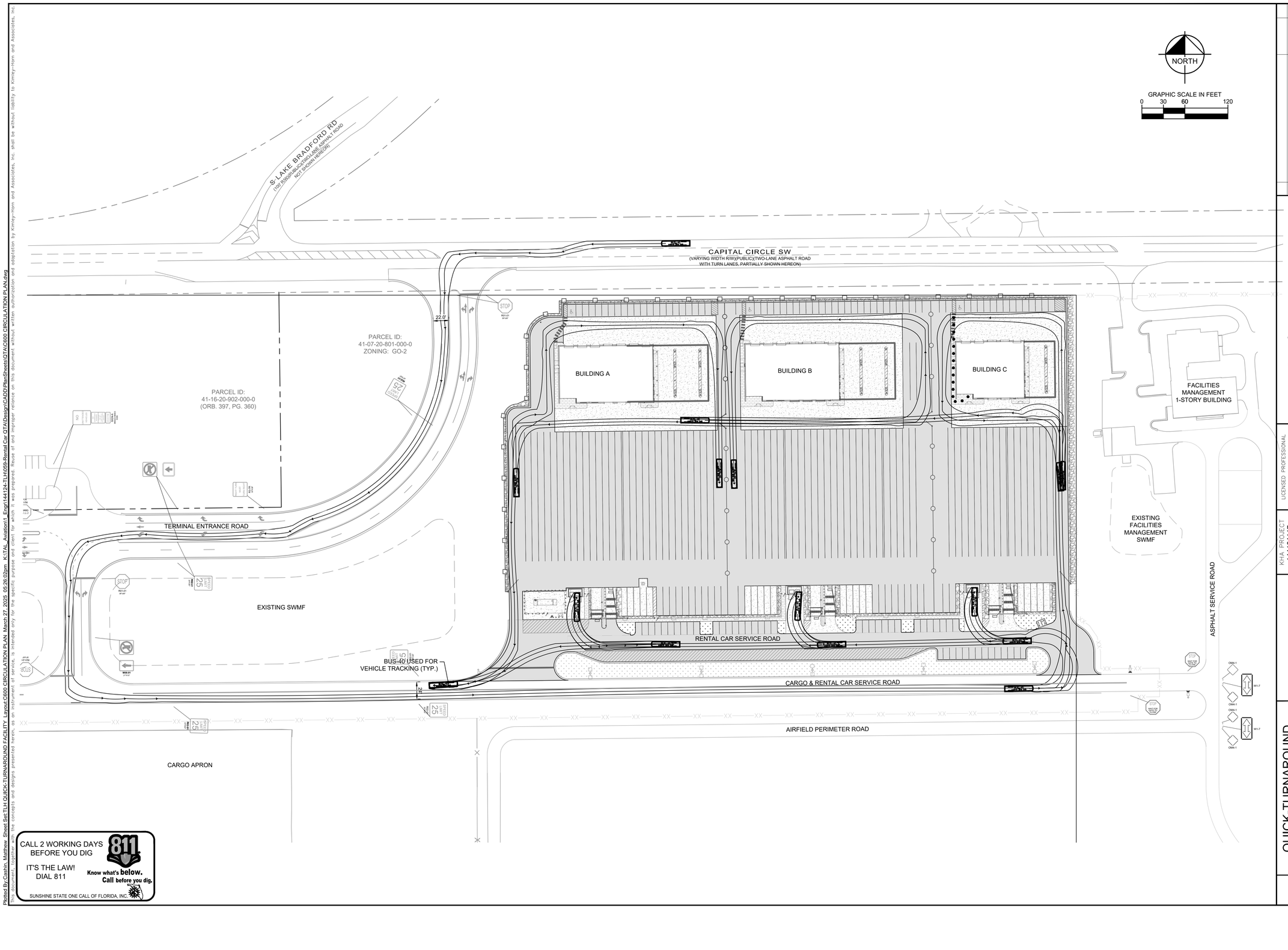
QTA ACCESS CONTROL DETAILS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C465

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CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER 88587
DATE: ——

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

CIRCULATION PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C600

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C601 SIGNAGE AND MARKING PLAN March 27, 2025 05:26:19pm K:\TAL_Aviation\1 Engr\144124-TLH059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C602 SIGNAGE AND MARKING PLAN.dwg
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ASPHALT SERVICE ROAD

CARGO & RENTAL CAR SERVICE ROAD

STOP

24" SOLID WHITE STOP BAR (TYP.)

19'

6" YELLOW SPACED AT 3'

R15'

6" YELLOW SPACED AT 3'

40' (TYP.)

9' (TYP.)

9' (TYP.)

18' (TYP.)

6" WHITE (TYP.)

DIRECTIONAL ARROW (TYP.)

40' (TYP.)

9' (TYP.)

9' (TYP.)

18' (TYP.)

6" WHITE (TYP.)

40' (TYP.)

9' (TYP.)

9' (TYP.)

18' (TYP.)

6" WHITE (TYP.)

EXISTING AIRFIELD SECURITY FENCE

R2'

13'

R18'

2'

6" WHITE (TYP.)

180'

6" WHITE (TYP.)

180'

180'

12" WHITE CROSSWALK SPACED AT 2'

5'

12'

RESERVED PARKING

R7-8

BUILDING A

9' (TYP.)

18' (TYP.)

90° (TYP.)

6" YELLOW SPACED AT 3'

12" WHITE CROSSWALK SPACED AT 2'

5'

12'

RESERVED PARKING

R7-8

BUILDING B

90° (TYP.)

6" YELLOW SPACED AT 3'

80'

5' (TYP.)

CAPITAL CIRCLE SW

NORTH

GRAPHIC SCALE IN FEET

0 15 30 60

MATCHLINE, SEE SHEET C602

CALL 2 WORKING DAYS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

811 Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

KEY MAP

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WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL

CONNOR A. CHAMBLISS

FLORIDA LICENSE NUMBER 88587

DATE: ____

KHA PROJECT 144124117

DATE JAN 2025

SCALE AS SHOWN

DESIGNED BY SHB

DRAWN BY TLB

CHECKED BY CAC

SIGNAGE AND MARKING PLAN

QUICK-TURNAROUND FACILITY

PREPARED FOR TALLAHASSEE INTERNATIONAL AIRPORT

CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER C601

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C602 SIGNAGE AND MARKING PLAN March 27, 2025 05:26:22pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C602 SIGNAGE AND MARKING PLAN.dwg
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MATCHLINE, SEE SHEET C601

EXISTING AIRFIELD SECURITY FENCE

ASPHALT SERVICE ROAD

CARGO & RENTAL CAR SERVICE ROAD

W11-2

DIRECTIONAL ARROW (TYP.)

BUILDING C

RESERVED PARKING

R7-8

12" WHITE CROSSWALK SPACED AT 2'

6" WHITE (TYP.)

6" YELLOW SPACED AT 3'

180'

80'

40' (TYP.)

9' (TYP.)

18' (TYP.)

5' (TYP.)

12'

R2' (TYP.)

R18'

13'

CAPITAL CIRCLE SW

EXISTING ASPHALT

EXISTING CONCRETE

FACILITIES MANAGEMENT 1-STORY BUIDLING

ASPHALT SERVICE ROAD

EXISTING 2-SIDED METAL BUILDING

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

KEY MAP

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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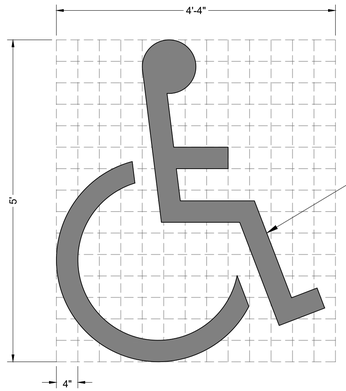
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FLORIDA LICENSE NUMBER 88587
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DATE JAN 2025
SCALE AS SHOWN
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SIGNAGE AND MARKING PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C602

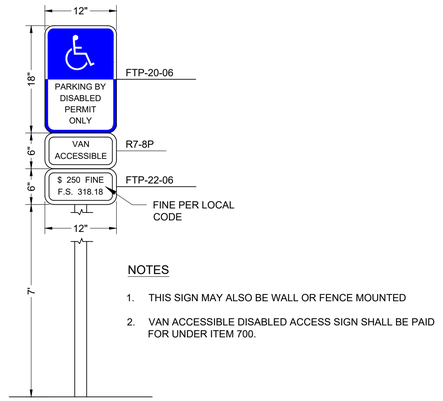


NOTE

1. HANDICAPPED PARKING SYMBOL MARKINGS SHALL BE PAID FOR UNDER ITEM 710.

1 C650 HANDICAPPED PARKING SYMBOL

NOT TO SCALE



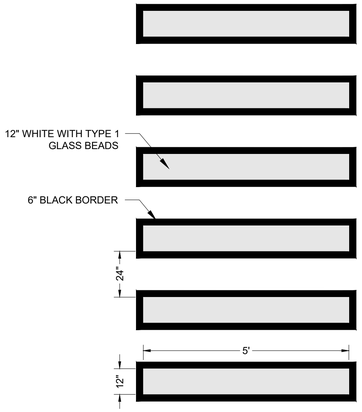
THESE SIGNS TYPICAL AT EACH ACCESSIBLE PARKING SPACE

NOTES

1. THIS SIGN MAY ALSO BE WALL OR FENCE MOUNTED
2. VAN ACCESSIBLE DISABLED ACCESS SIGN SHALL BE PAID FOR UNDER ITEM 700.

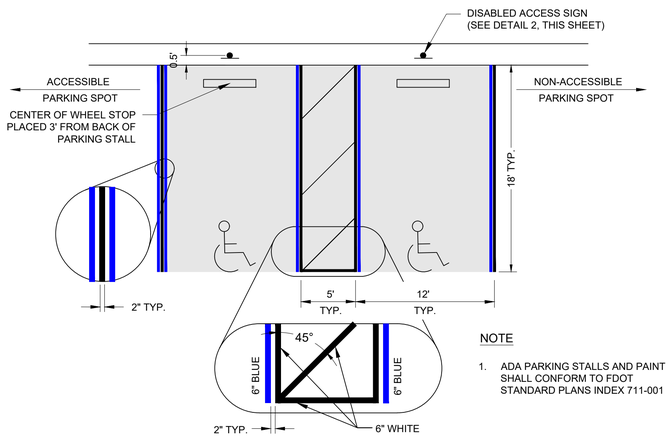
2 C650 VAN ACCESSIBLE DISABLED ACCESS SIGN

NOT TO SCALE



3 C650 TYPICAL CROSSWALK MARKING DETAIL

NOT TO SCALE

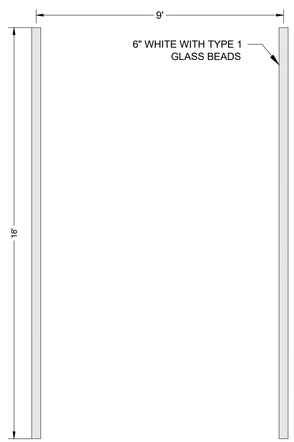


NOTE

1. ADA PARKING STALLS AND PAINT SHALL CONFORM TO FDOT STANDARD PLANS INDEX 711-001

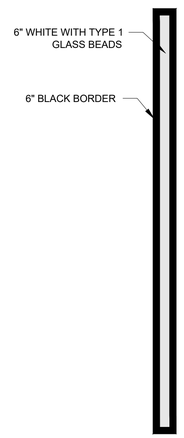
4 C650 VAN ACCESSIBLE PARKING STALL

NOT TO SCALE



5 C650 TYPICAL PARKING STALL MARKING

NOT TO SCALE



NOTE

ALL MARKINGS ON CONCRETE PAVEMENT SHALL RECEIVE A 6" BLACK BORDER, INCLUSIVE OF GORE MARKINGS

6 C650 TYPICAL BLACK BORDER ON CONCRETE PAVEMENT MARKINGS

NOT TO SCALE

CALL 2 WORKING DAYS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

811 Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISIONS	DATE	BY

Kimley»Horn

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TALLAHASSEE, FLORIDA 32308 PHONE: 850-553-3500
WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL

CONNOR A. CHAMBLISS

FLORIDA LICENSE NUMBER 88587

DATE:

KHA PROJECT 144124117

DATE JAN 2025

SCALE AS SHOWN

DESIGNED BY KDH

DRAWN BY MAC

CHECKED BY CAC

SIGNAGE AND MARKING DETAILS

QUICK-TURNAROUND FACILITY

PREPARED FOR TALLAHASSEE INTERNATIONAL AIRPORT

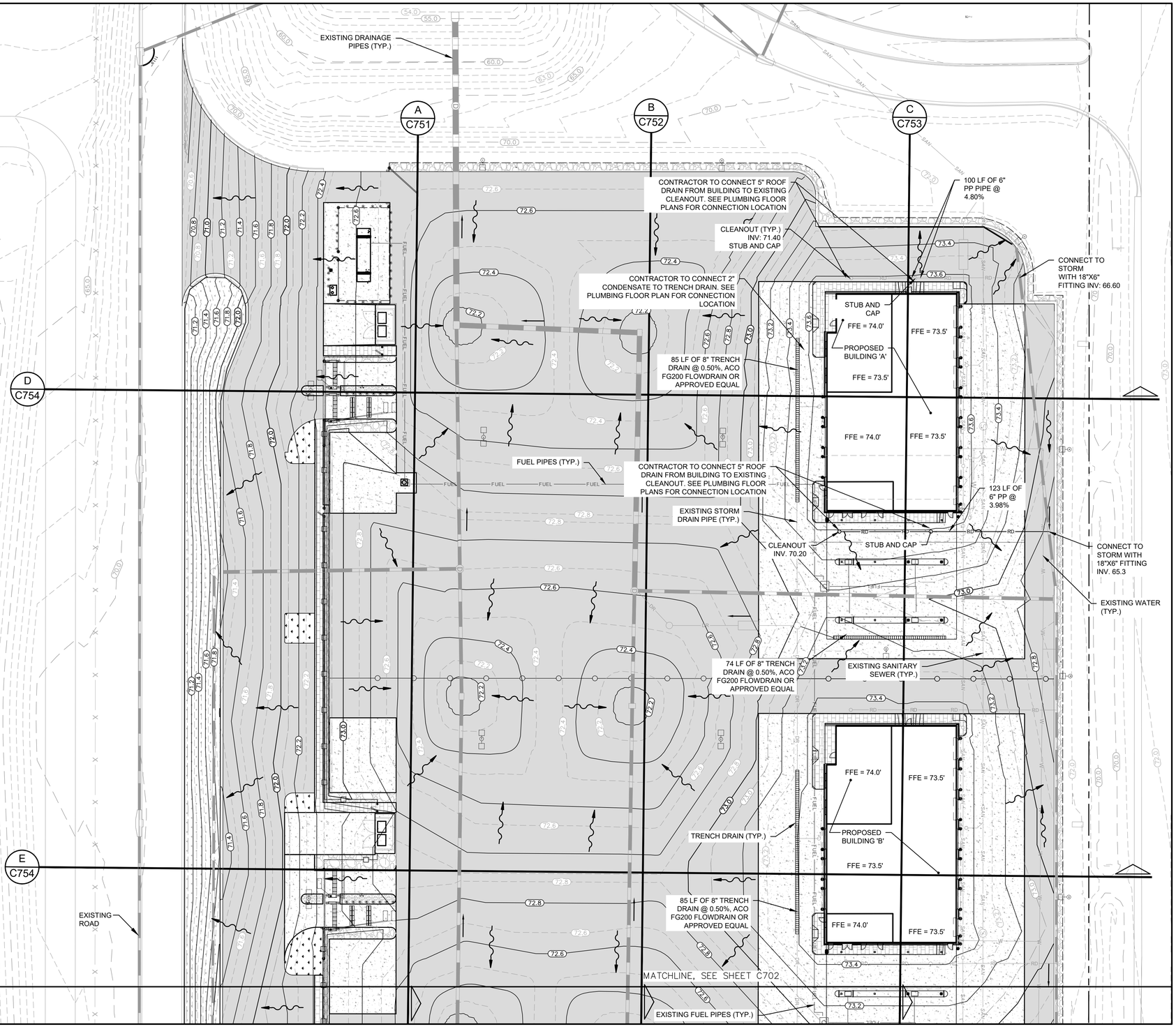
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER C650

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C650 DETAILS March 27, 2025 05:26:22pm K:\TAL_Aviation\1_Engr\144124-TLH059-Rental Car OTA\Design\CADD\PlanSheets\OTA\C802 SIGNAGE AND MARKING PLAN.dwg

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NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

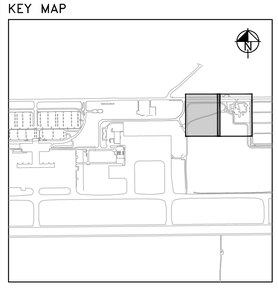
NOTE:

1. PROPOSED CONTOURS ON GRASS ARE 5.0 FOOT MAJOR AND 1.0 FOOT MINOR.
2. PROPOSED CONTOURS ON PAVEMENT ARE 1.0 FOOT MAJOR AND 0.2 FEET MINOR.

LEGEND

- EXISTING STORM STRUCTURES
- EXISTING STORM SEWER (WITH FLOW DIRECTION)
- PROPOSED SURFACE FLOW DIRECTION
- XXX — EXISTING SURFACE MAJOR CONTOUR
- XXX — PROPOSED SURFACE MAJOR CONTOUR
- ASPHALT PAVEMENT, 1" FINAL LIFT
- x — x — 10' QTA PERIMETER FENCE
- x — x — EXISTING SECURITY FENCE
- DR — EXISTING DRAIN
- RD — EXISTING ROOF DRAIN
- RD — PROPOSED ROOF DRAIN
- W — EXISTING WATER PIPE
- AIRPORT PROPERTY LIMITS

KEY MAP



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2211 KORA LEE DRIVE, SUITE 201
TALLAHASSEE, FLORIDA 32303 850-201-2502
CERTIFICATE OF AUTHORIZATION NUMBER 28861

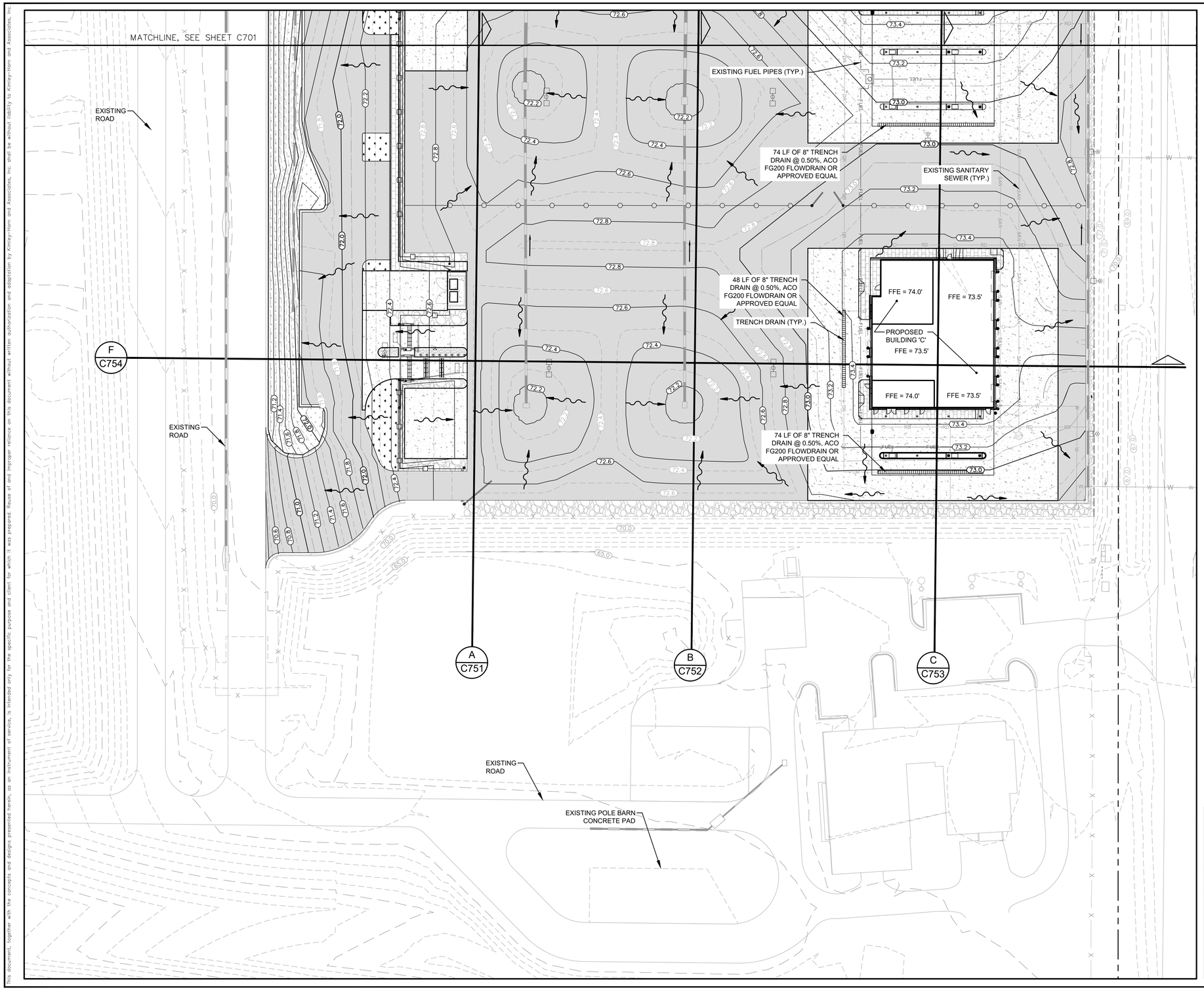
LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

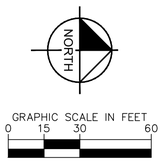
KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SMS
DRAWN BY	MC
CHECKED BY	NEP

GRADING AND DRAINAGE PLAN

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C701





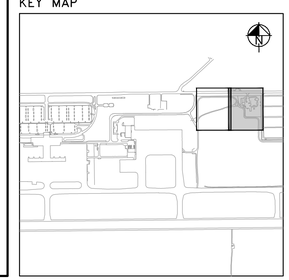
NOTE:

1. PROPOSED CONTOURS ON GRASS ARE 5.0 FOOT MAJOR AND 1.0 FOOT MINOR.
2. PROPOSED CONTOURS ON PAVEMENT ARE 1.0 FOOT MAJOR AND 0.2 FEET MINOR.

LEGEND

- EXISTING STORM STRUCTURES
- EXISTING STORM SEWER (WITH FLOW DIRECTION)
- PROPOSED SURFACE FLOW DIRECTION
- EXISTING SURFACE MAJOR CONTOUR
- PROPOSED SURFACE MAJOR CONTOUR
- ASPHALT PAVEMENT, 1" FINAL LIFT
- 10' QTA PERIMETER FENCE
- EXISTING SECURITY FENCE
- EXISTING DRAIN
- EXISTING ROOF DRAIN
- PROPOSED ROOF DRAIN
- EXISTING WATER PIPE
- AIRPORT PROPERTY LIMITS

KEY MAP



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TALLAHASSEE, FLORIDA 32305
CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: ----

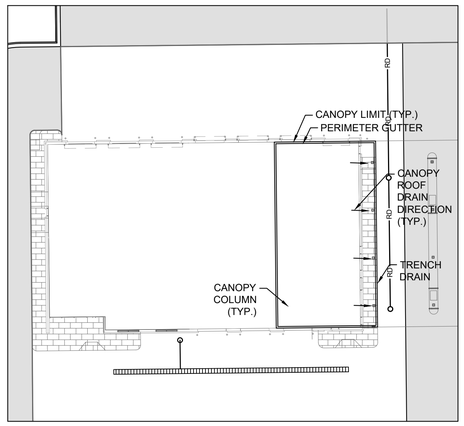
KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SMS
DRAWN BY	MC
CHECKED BY	NEP

GRADING AND DRAINAGE PLAN

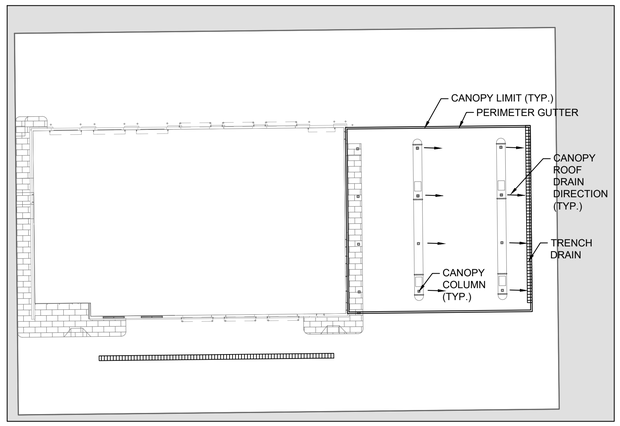
RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C702

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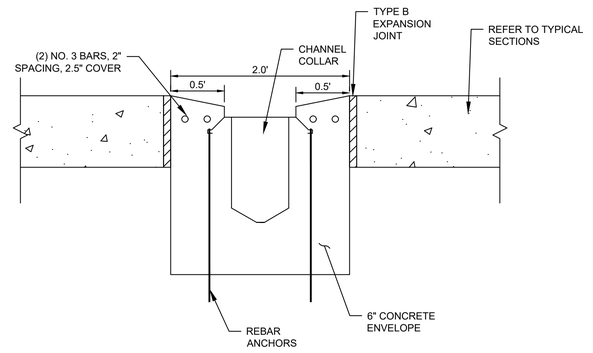
BUILDING C
CANOPY DRAINAGE
TYPICAL DETAIL
N.T.S.



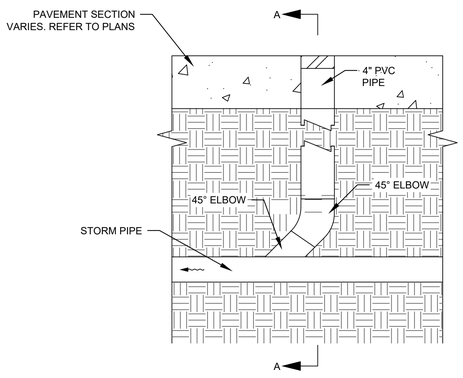
BUILDING A AND B
CANOPY DRAINAGE
TYPICAL DETAIL
N.T.S.

NOTES:

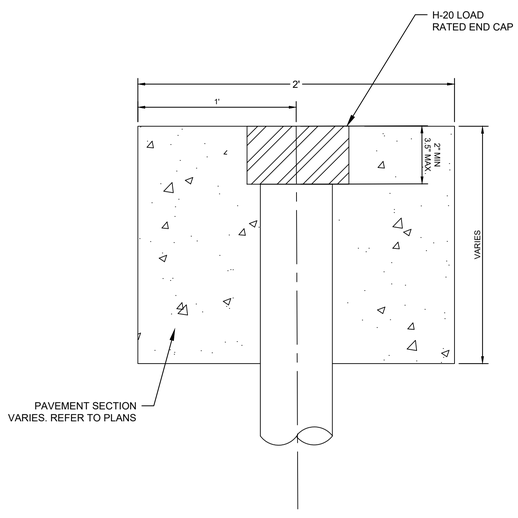
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR CANOPY GUTTER/DRAIN LAYOUT AND SIZES PER MANUFACTURER RECOMMENDATIONS.



TRENCH DRAIN
TYPICAL DETAIL
N.T.S.



STORM CLEANOUT
N.T.S.



STORM CLEANOUT
SECTION A-A
N.T.S.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISIONS	DATE	BY

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TALLAHASSEE, FLORIDA 32308 PHONE: 850-553-3600
WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER
88587
DATE: ____

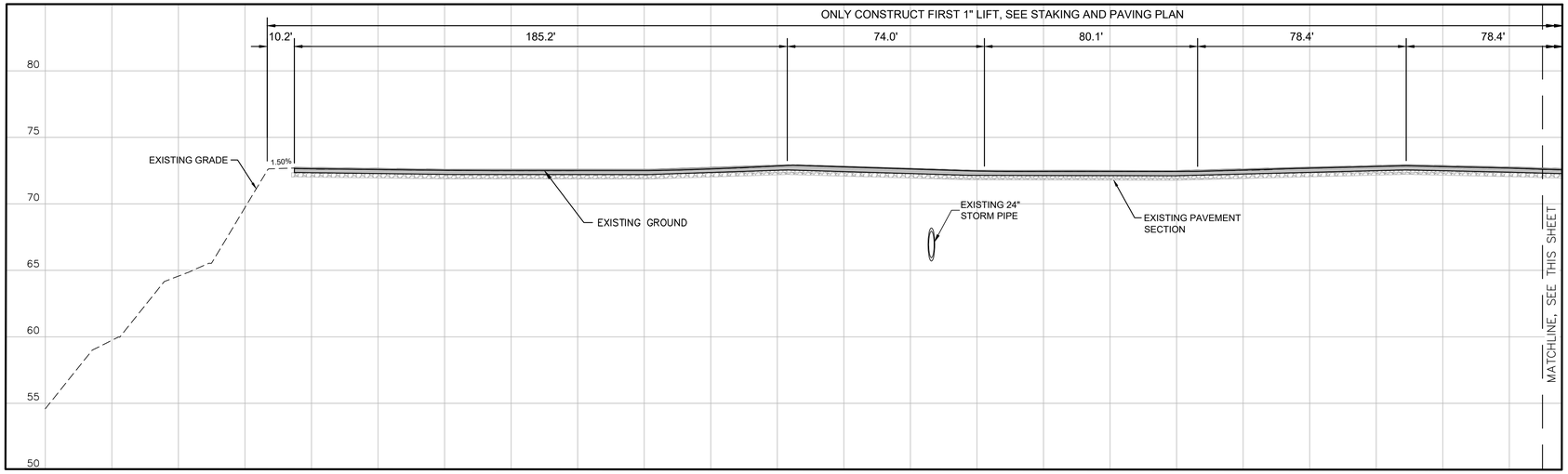
KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SHB
DRAWN BY	TLB
CHECKED BY	CAC

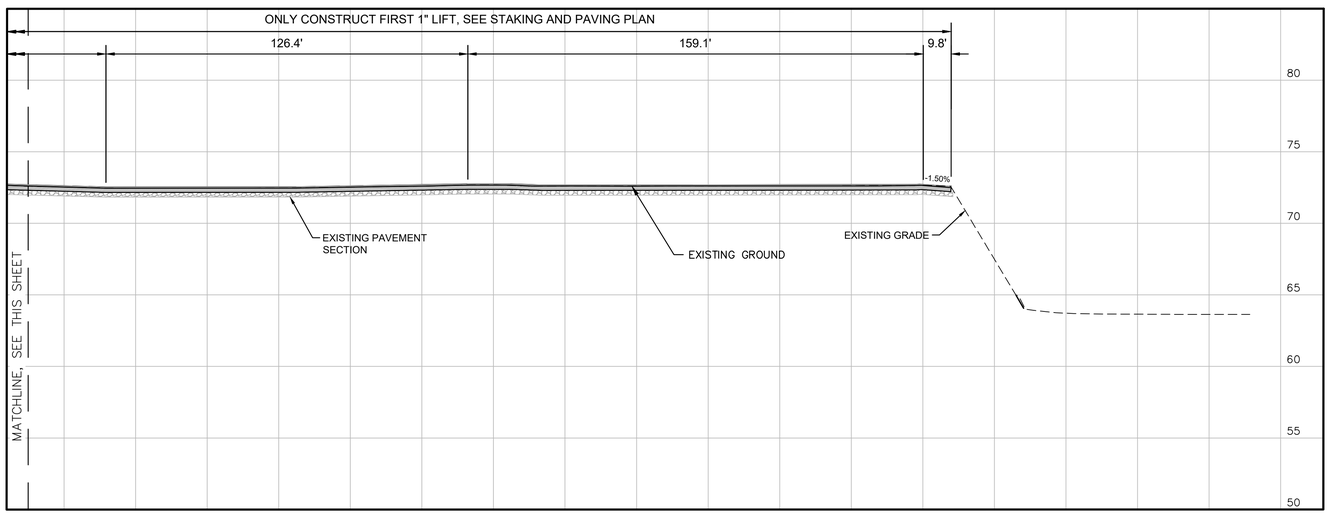
DRAINAGE DETAILS

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C703

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C703 DRAINAGE DETAILS March 27, 2025 05:26:58pm K:\TAL_Aviation\1_Engr\144124-TLH\059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C703 DRAINAGE DETAILS.dwg
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A WEST TO EAST SECTION A

GRAPHIC SCALE IN FEET
0 12.5 25 50
HORIZONTAL

0 2.5 5 10
VERTICAL

NOTES:
1. DEPTHS OF ALL UTILITIES SHOWN ARE APPROXIMATE. REFER TO PLANS FOR HORIZONTAL LOCATION AND DEPTH.

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2301 MAPLE AVENUE, SUITE 210 (32303)
TALLAHASSEE, FLORIDA 850-201-2302
CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

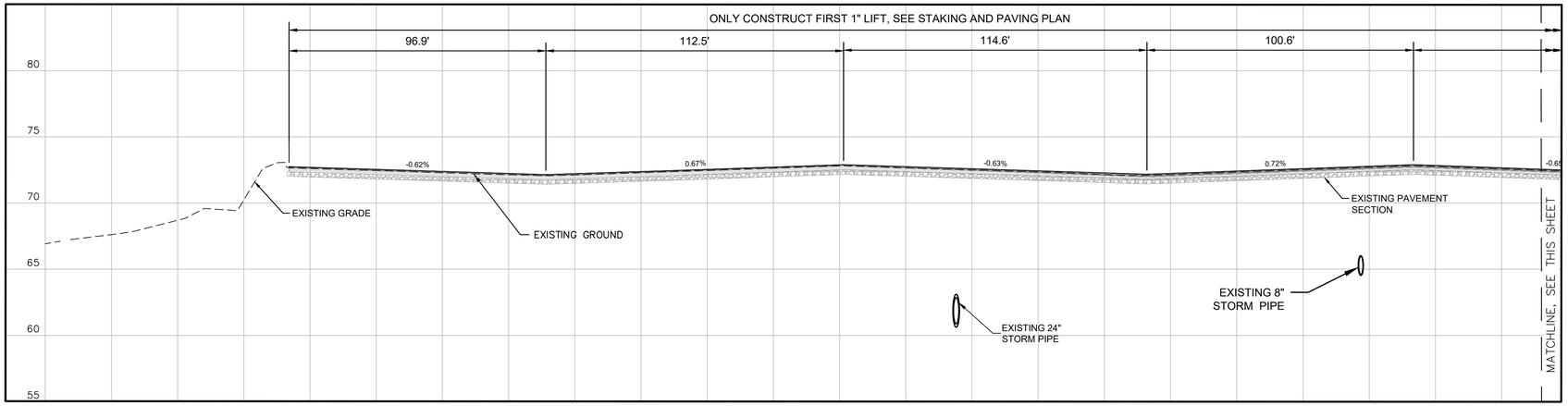
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	JAN. 2025	AS SHOWN	SMS	MC	NEP

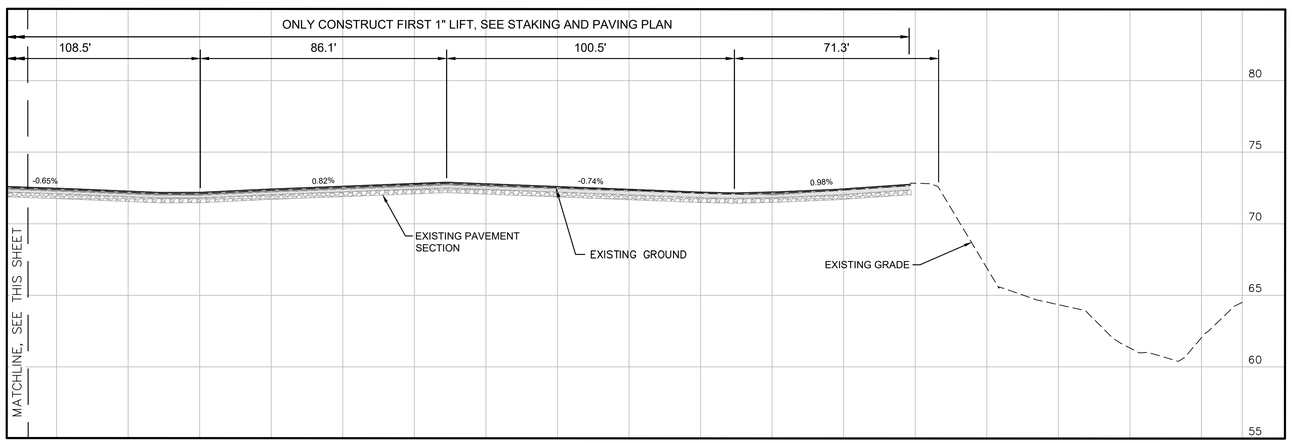
QTA CROSS SECTIONS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C751

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B WEST TO EAST SECTION B

GRAPHIC SCALE IN FEET
0 12.5 25 50
HORIZONTAL

0 2.5 5 10
VERTICAL

NOTES:
1. DEPTHS OF ALL UTILITIES SHOWN ARE APPROXIMATE. REFER TO PLANS FOR HORIZONTAL LOCATION AND DEPTH.

No.	REVISIONS	DATE	BY

Kimley»Horn

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WWW.KIMLEY-HORN.COM CA 00000696

Michael Baker INTERNATIONAL

MICHAEL BAKER INTERNATIONAL, INC.
2211 KORA LEE DRIVE, SUITE 250 (850) 201-2502
TALLAHASSEE, FLORIDA 32308
CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

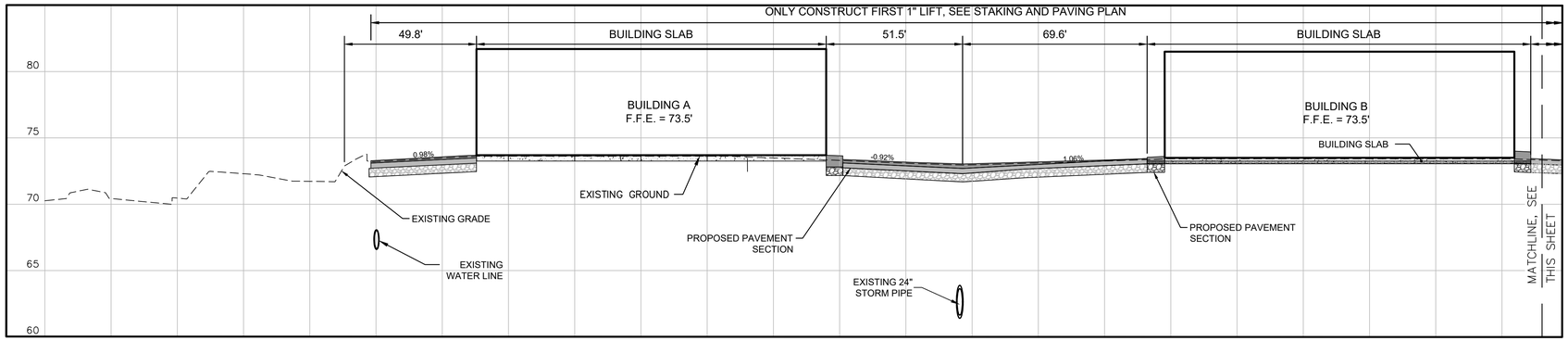
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	JAN. 2025	AS SHOWN	SMS	MC	NEP

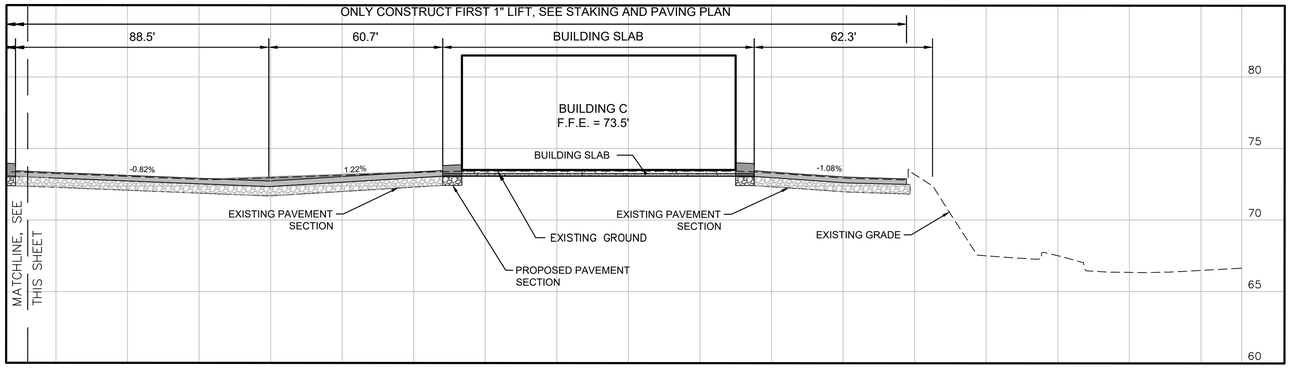
QTA CROSS SECTIONS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C752

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C WEST TO EAST SECTION C

NOTES:
1. DEPTHS OF ALL UTILITIES SHOWN ARE APPROXIMATE. REFER TO PLANS FOR HORIZONTAL LOCATION AND DEPTH.

GRAPHIC SCALE IN FEET
0 12.5 25 50
HORIZONTAL

0 2.5 5 10
VERTICAL

No.	REVISIONS	DATE	BY

Kimley»Horn

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CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

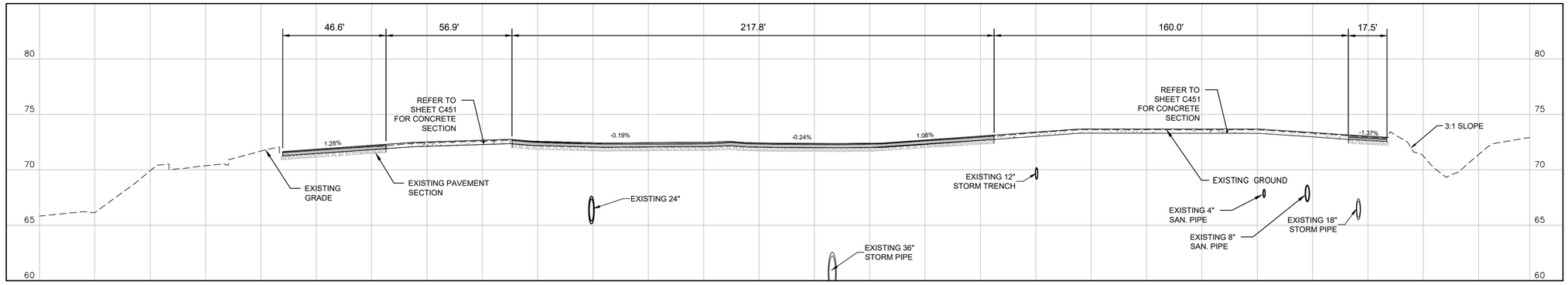
KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SMS
DRAWN BY MC
CHECKED BY NEP

QTA CROSS SECTIONS

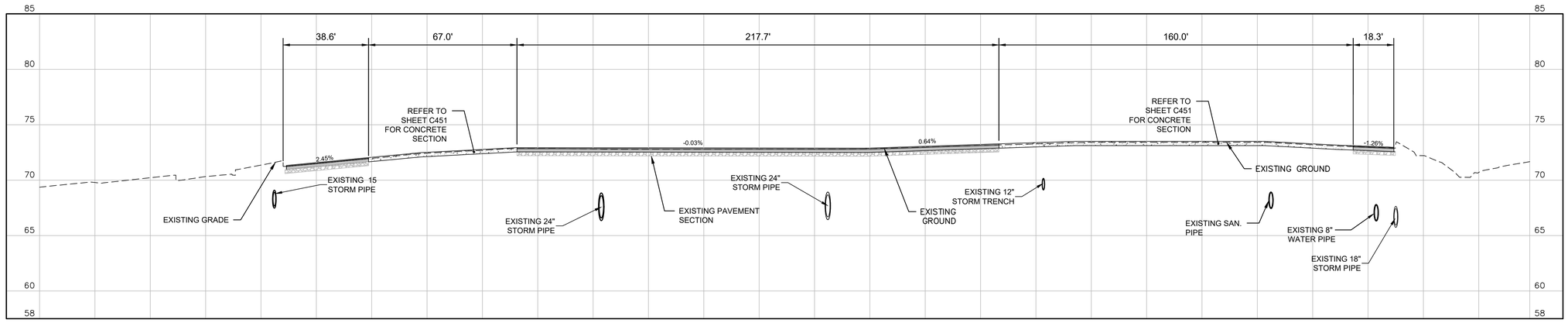
RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C753

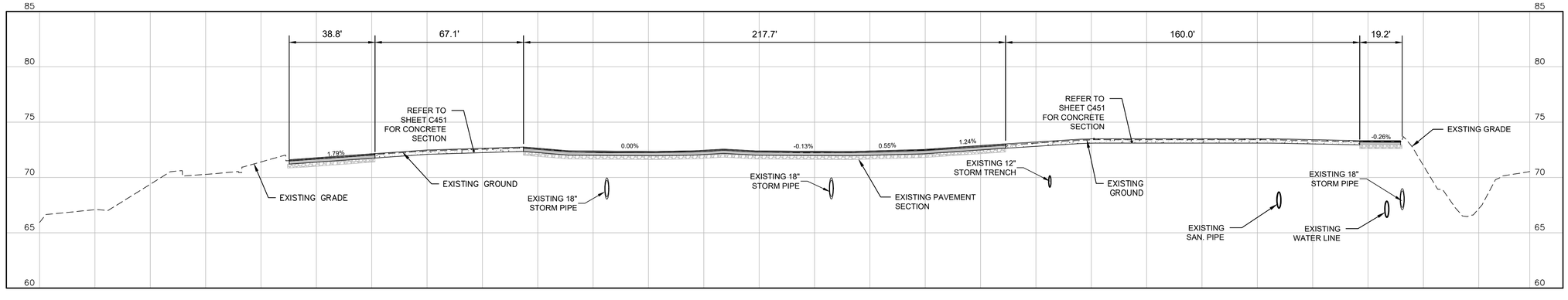
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D SOUTH TO NORTH SECTION D



E SOUTH TO NORTH SECTION E



F SOUTH TO NORTH SECTION F

GRAPHIC SCALE IN FEET
0 12.5 25 50
HORIZONTAL

0 2.5 5 10
VERTICAL

NOTES:
1. DEPTHS OF ALL UTILITIES SHOWN ARE APPROXIMATE. REFER TO PLANS FOR HORIZONTAL LOCATION AND DEPTH.

No.	REVISIONS	DATE	BY

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TALLAHASSEE, FLORIDA 32308 PHONE: 850-402-3500
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Michael Baker INTERNATIONAL
MICHAEL BAKER INTERNATIONAL, INC.
2211 KING'S PLACE, SUITE 210
TALLAHASSEE, FLORIDA 32301 (850) 201-2502
CERTIFICATE OF AUTHORIZATION NUMBER 28861

LICENSED PROFESSIONAL
LIC PROF 1
FLORIDA LICENSE NUMBER
LIC PROF 1 #
DATE: -----

KHA PROJECT 144124117	DATE JAN 2025	SCALE AS SHOWN	DESIGNED BY SMS	DRAWN BY MC	CHECKED BY NEP

QTA CROSS SECTIONS

RENTAL CAR QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C754

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Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C801 UTILITY PLAN March 27, 2025 05:27:05pm K:\TAL_Aviation\1_Engr\144124-TLH059-Rental Car OTA\Design\CADD\PlanSheets\QTA\C800 UTILITY PLAN.dwg
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AOA SERVICE ROAD

CARGO & RENTAL CAR SERVICE ROAD

EXISTING AIRFIELD SECURITY FENCE

EXISTING 10" PVC SANITARY SEWER

EXISTING 8" WATER MAIN

EXISTING 6" GAS LINE

EXISTING SANITARY MANHOLE

EXISTING OVERHEAD ELECTRIC

EXISTING OIL WATER SEPARATOR

EXTEND 4" ROOF DRAIN TO EXISTING DRAIN LINE

SEE NOTE 19 (TYP. ALL SEWER CLEANOUTS)

INV. 71.40

INV. 66.20

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 74.17 EXISTING INV: 67.15

FFE = 74.00

EXISTING 8" PVC PRIVATE SEWER

TRENCH DRAIN (TYP.)

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.63 EXISTING INV: 67.15

EXISTING 4" PVC PRIVATE SEWER

17 LF 4" PVC PRIVATE SEWER

EXTEND 2" CONDENSATE DRAIN TO TRENCH DRAIN, SEE PLUMBING SHEETS FOR EXACT LOCATION.

BUILDING A

FFE = 73.50

NEW CLEANOUT AT RIM: 73.64, SEE NOTE 19

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.61 EXISTING INV: 65.74

PROPOSED FUEL PIPING. CONTRACTOR SHALL SAWCUT EXISTING ASPHALT PAVEMENT 10' WIDE FOR PIPING INSTALLATION. REFER TO TRENCH DETAIL ON SHEET C803 AND FUELING SHEETS FOR DETAIL.

REFER TO ELECTRICAL PLANS FOR SITE LIGHTING (TYP.)

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.66 EXISTING INV: 65.0

LOCATE EXISTING STUB 4" STUB AND INSTALL 90° BEND

34 LF 4" PVC PRIVATE SEWER SERVICE

SEE PLUMBING SHEETS FOR CONNECTION TO BUILDING

EXISTING 4" PVC PRIVATE WATER SERVICE

EXISTING 4" PVC PRIVATE SEWER

FFE = 74.00

INSTALL 90° BEND

NEW CLEANOUT AT RIM: 73.57, SEE NOTE 19

NEW CLEANOUT AT RIM: 73.56, SEE NOTE 19

NEW ROOF DRAIN, SEE GRADING AND DRAINAGE PLANS

INSTALL 3" METER AND ISOLATION BALL VALVE

EXISTING HYDRANT

TRENCH DRAIN (TYP.)

36" REQUIRED CLEAR SPACE (SEE NOTE 3)

PROPOSED FUEL PIPING. CONTRACTOR SHALL SAWCUT EXISTING ASPHALT PAVEMENT 10' WIDE FOR PIPING INSTALLATION. REFER TO TRENCH DETAIL ON SHEET C803 AND FUELING SHEETS FOR DETAIL.

EXISTING 6" PVC PRIVATE SEWER

ROOF DRAIN (TYP.)

EXISTING ELECTRICAL HANDHOLES SHALL BE RAISED TO FINISHED GRADE. FIELD VERIFY LOCATION OF ALL EXISTING HANDHOLES (TYP.)

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.97 EXISTING INV: 66.56

EXISTING 8" PRIVATE SEWER

FFE = 74.00

TRENCH DRAIN (TYP.)

EXISTING 6" PRIVATE WATER SERVICE

EXTEND 2" CONDENSATE DRAIN TO TRENCH DRAIN, SEE PLUMBING SHEETS FOR EXACT LOCATION.

BUILDING B

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.45 EXISTING INV: 64.15

EXISTING 4" PRIVATE SEWER

FFE = 73.50

EXISTING 8" PRIVATE SEWER

EXISTING 6" PVC PRIVATE SEWER

LOCATE EXISTING 4" STUB AND INSTALL 3" METER AND ISOLATION BALL VALVE. SEE PLUMBING SHEETS FOR CONNECTION TO BUILDING.

FFE = 74.00

ROOF DRAIN (TYP.)

EXISTING 4" PRIVATE SEWER

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.36 EXISTING INV: 67.94

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.41 EXISTING INV: 66.1

PROPOSED FUEL PIPING. CONTRACTOR SHALL SAWCUT EXISTING ASPHALT PAVEMENT 10'

EXISTING 6" PVC

EXISTING 8" PVC

MATCHLINE, SEE SHEET C802

CALL 2 WORKING DAYS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

811 Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

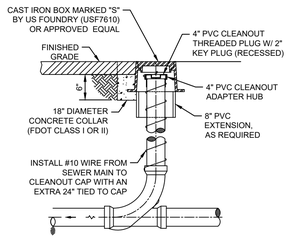
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GRAPHIC SCALE IN FEET

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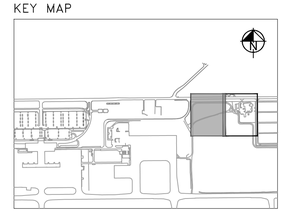
UTILITY NOTES:

1. UTILITY CONSTRUCTION SHALL CONFORM TO THE CITY OF TALLAHASSEE STANDARD SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER FACILITIES, LATEST EDITION. REFER TO PLAN FOR CLEANOUT ELEVATIONS AND DEPTHS.
2. DEPTH OF FIRE MAIN PIPING: 36" MINIMUM UNDER DRIVING SURFACES, 30" MINIMUM UNDER NON-DRIVING SURFACES. FIRE MAIN PIPING SHALL NOT BE COVERED UNTIL INSPECTED BY THE CITY OF TALLAHASSEE FIRE DEPARTMENT. FIRE HYDRANTS SHALL BE A MINIMUM OF 24" ABOVE GRADE MEASURED TO THE CENTER OF THE STEAMER NOZZLE. STEAMER NOZZLE TO FACE ROADWAY OR NEAREST POINT OF FIRE DEPARTMENT APPARATUS ACCESSIBILITY WHEN PLACED IN SERVICE. DEPTH OF WATER MAIN: 36" MINIMUM.
3. A MINIMUM OF 36" OF CLEAR SPACE SHALL BE MAINTAINED TO PERMIT ACCESS TO (AND OPERATION OF) FIRE PROTECTION EQUIPMENT, FIRE DEPARTMENT INLET CONNECTIONS, AND/OR FIRE PROTECTION SYSTEM CONTROL VALVES.
4. A CLEAR SPACE OF NOT LESS THAN 60" (1524 MM) SHALL BE PROVIDED IN FRONT OF EACH HYDRANT CONNECTION HAVING A DIAMETER GREATER THAN 2-1/2" (64 MM).
5. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR EXACT CONNECTIONS TO BUILDINGS.
6. ALL CLEANOUTS IN TRAFFIC AREAS SHALL MEET H-20 TRAFFIC LOADING REQUIREMENT.
7. ALL CLEANOUTS IN PEDESTRIAN AREAS SHALL HAVE ADA-COMPLIANT CAPS INSTALLED.
8. WATER METERS SHALL NOT BE LOCATED IN TRAFFIC AREAS. WATER METERS WITHIN PAVEMENT ADJACENT TO BUILDINGS AND HYDRANTS OUTSIDE VEHICLE WHEEL PATHS SHALL MEET H-20 TRAFFIC LOADING REQUIREMENT.
9. WATER METERS SHALL BE 30" MINIMUM FROM BUILDINGS AND SHALL HAVE 18" CLEARANCE MINIMUM FROM CENTER TO CENTER.
10. ALL WATER SERVICE LINES SHALL BE HDPE UP TO THE METER ASSEMBLY. SEE PLANS FOR WATER SERVICE MATERIAL AFTER METER ASSEMBLY.
11. SANITARY LINE CLEANOUTS SHALL BE ADDED AT EACH SERVICE CONNECTION WITHIN 2' OF THE PROPERTY LINE.
12. PROVIDE AN ISOLATION BALL VALVE PRIOR TO EACH METER PER CITY SPECIFICATIONS.
13. ALL PROPOSED HYDRANTS SHALL BE A MAXIMUM OF 12' FROM THE PROPOSED EDGE OF PAVEMENT.
14. HORIZONTAL SEPARATION BETWEEN WATER MAIN AND STORM SEWER SHALL BE A MIN. OF 3'.
15. HORIZONTAL SEPARATION BETWEEN WATER MAIN AND SANITARY SEWER SHALL BE A MIN. OF 6'.
16. ALL PROPOSED SEWER SERVICES SHALL WYE IN TO THE PROPOSED SEWER MAIN.
17. ALL COSTS ASSOCIATED WITH THE RELOCATION OR MODIFICATION OF EXISTING ELECTRICAL FACILITIES WILL BE BORNE BY THE OWNER INCLUDING, BUT NOT LIMITED TO, THE HOLDING OF ELECTRIC POLES FOR UTILITY INSTALLATION.
18. ALL PROPOSED WATER AND SEWER IS PRIVATE
19. REFER TO MEP PLANS FOR BUILDING CONNECTIONS. CAST IRON BOX AND COVER SHALL BE INSTALLED ON EXISTING CLEANOUT STUB UP PER DETAIL 1, THIS SHEET. NEW CLEANOUTS SHALL BE INSTALLED PER DETAIL 1, THIS SHEET.



SANITARY SEWER CLEANOUT
N.T.S.

KEY MAP



No.	REVISIONS	DATE	BY

Kimley»Horn

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TALLAHASSEE, FL 32308 PHONE: 850-553-3500
WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER 88587
DATE:

KHA PROJECT	144124117
DATE	JAN 2025
SCALE	AS SHOWN
DESIGNED BY	SHB
DRAWN BY	TLB
CHECKED BY	CAC

UTILITY PLAN

QUICK-TURNAROUND FACILITY

PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C801

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C802 UTILITY PLAN March 27, 2025 05:27:08pm K:\TAL_Aviation\1_Engr\144124-TLH059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C800 UTILITY PLAN.dwg
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MATCHLINE, SEE SHEET C801

AOA SERVICE ROAD

CARGO & RENTAL CAR SERVICE ROAD

AOA SERVICE ROAD

AOA SERVICE ROAD

POLE BARN

BUILDING C

FFE = 74.00

FFE = 73.50

FFE = 74.00

PROPOSED FUEL PIPING. CONTRACTOR SHALL SAWCUT EXISTING ASPHALT PAVEMENT 10' WIDE FOR PIPING INSTALLATION. REFER TO TRENCH DETAIL ON SHEET C803 AND FUELING SHEETS FOR DETAIL.

EXISTING 6" PVC PRIVATE SEWER

EXISTING 8" PVC PRIVATE SEWER

SEE NOTE 19 (TYP. ALL SEWER CLEANOUTS)

ROOF DRAIN (TYP.)

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.97 EXISTING INV: 69.50

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.46 EXISTING INV: 67.00

EXTEND 2" CONDENSATE DRAIN TO TRENCH DRAIN. SEE PLUMBING SHEETS FOR EXACT LOCATION.

REFER TO ELECTRICAL PLANS FOR SITE LIGHTING (TYP.)

TRENCH DRAIN (TYP.)

LOCATE EXISTING 4" STUB AND INSTALL 3" METER AND ISOLATION BALL VALVE. SEE PLUMBING SHEETS FOR CONNECTION TO BUILDING.

EXISTING ROOF DRAIN (TYP.)

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.35 EXISTING INV: 70.50

INSTALL CLEANOUT ON EXISTING PIPE STUB RIM: 73.37 EXISTING INV: 67.25

EXISTING 4" PVC PRIVATE SEWER

TRENCH DRAIN (TYP.)

36" REQUIRED CLEAR SPACE (SEE NOTE 3)

EXISTING FIRE HYDRANT ASSEMBLY

UTILITY TRANSFORMER, METERS, AND ELECTRICAL EQUIPMENT. CONTRACTOR TO INSTALL EQUIPMENT NO MORE THAN 10' FROM EDGE OF ROADWAY. FINAL LOCATION SHALL BE APPROVED BY COT ELECTRIC.

EXISTING 6" PVC PRIVATE SEWER

EXISTING 4" PVC PRIVATE SEWER

EXISTING 4" PVC PRIVATE WATER

CONNECT EXISTING 6" PRIVATE WATER PVC TO 8" DIP WATERMAIN AND INSTALL 6" RPZ BACKFLOW PREVENTER. CONTRACTOR SHALL VERIFY IN FIELD LOCATION OF EXISTING MAIN AND PRIVATE WATER SERVICE.

EXISTING OVERHEAD ELECTRIC

EXISTING 6" GAS

EXISTING PROPERTY LINE

EXISTING 8" WATER MAIN

EXISTING 1.5" IRRIGATION SERVICE WITH 1" METER AND RPZ BACKFLOW PREVENTER WITH ISOLATION BALL VALVE

CONNECT EXISTING 6" PRIVATE WATER PVC TO 8" DIP WATERMAIN AND INSTALL 6" RPZ BACKFLOW PREVENTER. CONTRACTOR SHALL VERIFY IN FIELD LOCATION OF EXISTING MAIN AND PRIVATE WATER SERVICE.

EXISTING 6" PVC PRIVATE WATER SERVICE

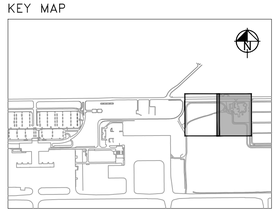
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GRAPHIC SCALE IN FEET
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UTILITY NOTES:

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19. REFER TO MEP PLANS FOR BUILDING CONNECTIONS. CAST IRON BOX AND COVER SHALL BE INSTALLED ON EXISTING CLEAN OUT STUB UP PER DETAIL 1, SHEET C801. NEW CLEAN OUTS SHALL BE INSTALLED PER DETAIL 1, SHEET C801.

KEY MAP



CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
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TALLAHASSEE, FL 32308 PHONE: 850-553-3500
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LICENSED PROFESSIONAL

CONNOR A. CHAMBLISS

FLORIDA LICENSE NUMBER 88587

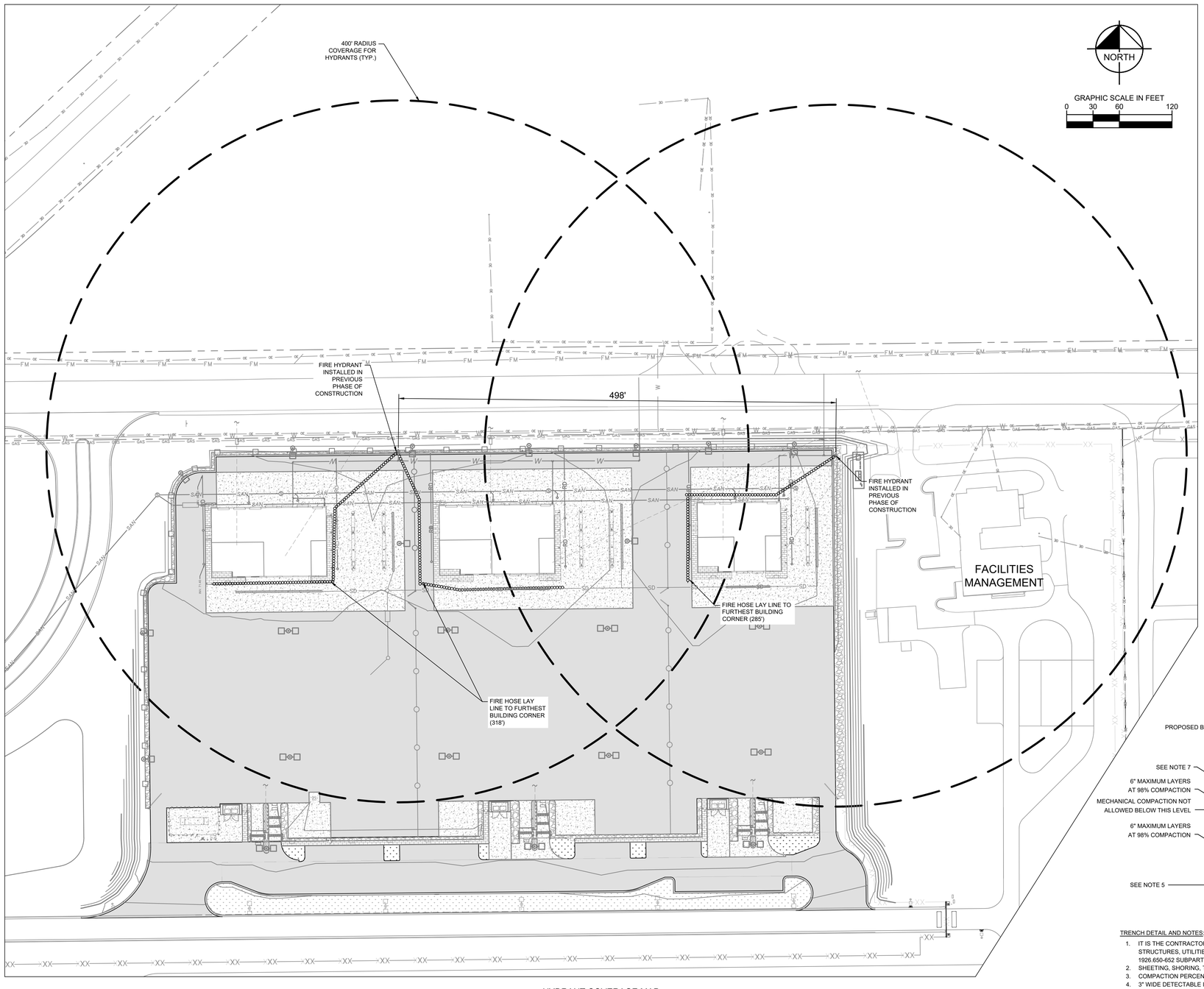
DATE: ____

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

UTILITY PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

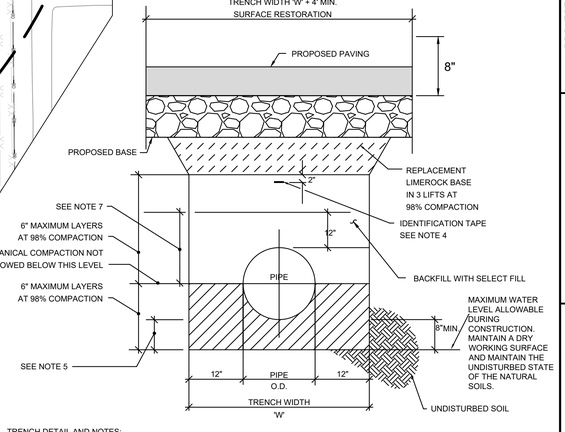
SHEET NUMBER
C802



HYDRANT COVERAGE MAP

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15. HORIZONTAL SEPARATION BETWEEN WATER MAIN AND SANITARY SEWER SHALL BE A MIN. OF 6'.
16. ALL PROPOSED SEWER SERVICES SHALL WYE IN TO THE PROPOSED SEWER MAIN.
17. ALL COSTS ASSOCIATED WITH THE RELOCATION OR MODIFICATION OF EXISTING ELECTRICAL FACILITIES WILL BE BORNE BY THE OWNER INCLUDING, BUT NOT LIMITED TO, THE HOLDING OF ELECTRIC POLES FOR UTILITY INSTALLATION.
18. ALL PROPOSED WATER AND SEWER IS PRIVATE.



TRENCH DETAIL AND NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT EXCAVATIONS DO NOT ENDANGER WORKERS, EXISTING STRUCTURES, UTILITIES, OR OTHER FACILITIES. COMPLY WITH OSHA'S EXCAVATION SAFETY STANDARDS 29, CFR PART 1926.650-652 SUBPART P.
2. SHEETING, SHORING, TRENCH BOXES, ETC. WILL BE REQUIRED AS DETERMINED IN THE FIELD, BY CONTRACTOR.
3. COMPACTION PERCENTAGES SHOWN REFER TO MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557).
4. 3" WIDE DETECTABLE IDENTIFICATION/WARNING TAPE OVER CENTER OF PIPE AS SHOWN AND SPECIFIED.
5. FOR MORE INFORMATION ON EXCAVATION, BACKFILL, AND COMPACTION, REFER TO THE TECHNICAL SPECIFICATIONS.
6. VERIFY THAT THERE ARE NO SHARP OR DELETERIOUS OBJECTS THAT MAY DAMAGE THE PIPE FOR A MINIMUM DEPTH OF 8-INCHES BELOW THE BOTTOM OF THE PIPE BARREL FOR THE FULL WIDTH OF THE TRENCH. COMPACT THE MATERIAL BELOW THE BOTTOM OF THE PIPE BARREL TO 98 PERCENT DENSITY FOR A MINIMUM DEPTH OF 8-INCHES FOR THE FULL WIDTH OF THE TRENCH. IF THE MATERIAL AT THE BOTTOM OF THE TRENCH IS DETERMINED TO BE UNSUITABLE BY THE ENGINEER, EXCAVATE TO THE DEPTH NECESSARY TO OBTAIN A SUITABLE FOUNDATION AND REPLACE THE UNSUITABLE MATERIAL WITH SUITABLE MATERIAL PER THE SPECIFICATIONS.
7. COMPACT WITH HAND OPERATED COMPACTING EQUIPMENT ONLY.

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

No.	REVISIONS	DATE	BY

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TALLAHASSEE, FL 32308 PHONE: 850-553-3500
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LICENSED PROFESSIONAL
CONNOR A. CHAMBLISS
FLORIDA LICENSE NUMBER 88587
DATE: ____

KHA PROJECT	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	KDH	MAC	CAC
DATE: JAN 2025	SCALE: AS SHOWN		

PROFILE AND COVERAGE

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
C803

Plotted By:Caslin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:C803 PROFILE AND COVERAGE March 27, 2025 05:27:13pm K:\TAL_Aviation\1_Engr\144124-TLH059-Rental Car QTA\Design\CADD\PlanSheets\QTA\C800 UTILITY PLAN.dwg
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PLANTING DETAIL NOTES:

1. THE CONTRACTOR SHALL FERTILIZE ALL PLANT MATERIAL. FERTILIZATION WILL BE AS RECOMMENDED BY SOIL TESTS.

2. THE CONTRACTOR SHALL APPLY A MYCORRHIZAL INOCULANT AND 100% ORGANIC STARTER FERTILIZER TO EACH NEW TREE PLANTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

3. THE CONTRACTOR SHALL APPLY ORGANIC HERBICIDES ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ALL PLANTING BEDS.

4. CONTAINER GROWN STOCK SHALL HAVE BEEN GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ALL THE SOIL TOGETHER FIRMLY, BUT NOT LONG ENOUGH TO HAVE BECOME POT BOUND.

5. FOR DISTURBED AREAS OF EXISTING SOD, CONTRACTOR TO INSTALL SOD OF THE SAME SPECIES. THE CONTRACTOR SHALL LAY SOD SOLIDLY IN ALL INDICATED OR DISTURBED AREAS WITH JOINTS IN CONTACT WITH EACH OTHER. PIN ALL SODDED SLOPES GREATER THAN 3:1 WITH STEEL U PINS/SOD STAPLES.

6. ALL PLANTS, MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.

7. THE CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS OR REVISIONS WITHOUT THE OWNER'S REPRESENTATIVE APPROVAL.

8. THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS INCLUDING WATERING, MOWING, MULCHING, WEED, PEST CONTROL, LITTER REMOVAL, REMOVAL OF UNDESIRABLE VEGETATION, MAINTENANCE AND EDGING OF BEDLINES, ETC. UNTIL FINAL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.

9. THE CONTRACTOR SHALL KEEP ALL AREAS OF WORK CLEAN, NEAT AND ORDERLY. ALL PAVED SURFACES ARE TO BE CLEANED OF SOIL AND DEBRIS AT THE CLOSE OF THE WORK DAY.

10. EACH TREE SHALL BE PRUNED AS NEEDED TO REMOVE ALL DEAD WOOD, SUCKERS, OR BROKEN/DAMAGED BRANCHES. ALL PRUNING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL PRESERVE THE NATURAL HABIT AND CHARACTER OF THE PLANT.

11. CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANTED AREAS IN ADDITION TO IRRIGATED AREAS FOR PLANT ESTABLISHMENT THROUGH WARRANTY PERIOD.

12. THE CONTRACTOR SHALL APPLY SEED FREE/WEED FREE MULCH TO PLANTED AREAS AT A MINIMUM 3" COMPACTED PINE BARK, UNLESS ON A SLOPE EQUAL TO OR GREATER THAN 3:1, IN WHICH CASE PINE STRAW IS APPROVED. MULCH SHALL BE APPLIED IMMEDIATELY AFTER COMPLETION OF PLANTING OPERATIONS. LIMITS OF MULCHING SHALL BE AS SHOWN ON PLAN, OR FOR INDIVIDUAL PLANTS, THE AREA OF THE PLANTING PIT, SEE PLANTING DETAILS.

13. CONTRACTOR VERIFIES THAT ALL PLANT MATERIAL IS DETERMINED AVAILABLE AS SPECIFIED WHEN BID/PROPOSAL IS SUBMITTED.

14. PLANTS WITH BROKEN ROOT BALLS, BOUND ROOTS OR SUBSTANTIAL DAMAGE TO ANY PART SHALL BE REPLACED PRIOR TO PLANTING.

15. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES IN THE PLANTING SCHEDULE AND INSTALL ALL PLANTS AND MATERIALS AS INDICATED ON THE PLANS. ALL TREES SHALL BE FLORIDA #1 OR BETTER AT TIME OF INSTALL. PROVIDE UNIT PRICES FOR EACH PLANT, WHICH INCLUDE ALL OTHER INCIDENTAL MATERIALS (I.E. FERTILIZER, LABOR, ETC.) MULCH SHALL BE INCLUDED WITHIN PLANT COSTS, REPORT PROMPTLY ANY DISCREPANCIES WHICH MAY AFFECT BIDDING.

16. CONTRACTOR SHALL STAKE TREES FOR APPROVAL PRIOR TO INSTALLATION. ANY CONFLICTS OR DISCREPANCIES SHALL BE FIELD ADJUSTED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

17. NO TREE PLANTING SHALL OCCUR WITHIN APPLICABLE SIGHT DISTANCE TRIANGLE AREAS AS SPECIFIED BY DESIGN STANDARD INDEX 546 AS PUBLISHED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION AT THE TIME OF INSTALLATION. CONTRACTOR SHALL STAKE THE LOCATION OF ALL TREE PLANTINGS IN THE RIGHT-OF-WAY IN THE FIELD PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE. OWNER SHALL AGREE TO MAINTAIN THE STRUCTURE OF TREE PLANTINGS IN THE RIGHT-OF-WAY TO ELIMINATE SIGHT DISTANCE CONFLICTS.

18. CONTRACTOR SHALL STAKE THE LOCATION OF ALL TREE PLANTINGS THROUGHOUT THE PROJECT IN THE FIELD PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL ANTICIPATE THAT SOME RE-ARRANGEMENT OF MATERIAL WILL OCCUR.

19. ONCE IRRIGATION IS CONNECTED AND OPERATIONAL, REMOVE BERMS AROUND TREES. PRIOR TO IRRIGATION BEING CONNECTED AND OPERATIONAL, BERMS SHALL BE PROVIDED AND MAINTAINED PER DETAILS.

20. PROVIDE THE OWNER AND OWNER'S REPRESENTATIVE WITH SEVEN CALENDAR DAYS ADVANCE NOTICE OF COMPLETING INSTALLATION OF ALL PLANTS AND INCIDENTAL LANDSCAPING. THE ESTABLISHMENT PERIOD WILL BEGIN UPON ACCEPTANCE OF THE COMPLETE INSTALLATION OF ALL PLANTS, BY THE OWNER. NOT LESS THAN FORTY-FIVE DAYS PRIOR TO THE SCHEDULED COMPLETION OF THE INSTALLATION, SUBMIT A MAINTENANCE PLAN TO THE OWNER AND OWNER'S REPRESENTATIVE. THE MAINTENANCE PLAN IS SUBJECT TO REVIEW AND COMMENT BY THE OWNER AND OWNER'S REPRESENTATIVE. INSTALLATION WILL NOT BE CONSIDERED COMPLETE UNTIL THE MAINTENANCE PLAN HAS WRITTEN APPROVAL FROM THE OWNER. THE MAINTENANCE PLAN SHALL SPECIFICALLY DESCRIBE THE METHODS, ACTIVITIES, MATERIALS AND SCHEDULE TO ACHIEVE THE FOLLOWING AT ALL TIMES THROUGHOUT THE ESTABLISHMENT PERIOD:

A. KEEP ALL PLANTS INSTALLED AS SPECIFIED IN THESE PLANS.
B. KEEP ALL PLANTS UNDAMAGED, INCLUDING FREE OF PESTS AND DISEASE, PROPERLY HYDRATED AND NOURISHED, TO SUPPORT TO GROWTH AND MAINTAIN FORM AND HABIT SPECIFIED IN THESE PLANS.
C. KEEP ALL PLANTS PRUNED TO MAINTAIN PLANT HEALTH, CLEAR VISIBILITY OF SIGNS, TRAFFIC SIGNALS, SAFE SIGHT DISTANCE AT INTERSECTIONS AND DRIVEWAYS, SAFE AND OPERATIONAL HORIZONTAL AND VERTICAL CLEARANCE FROM ROADWAYS, SIDEWALKS, UTILITIES, LIGHT POLES, MECHANICALS EQUIPMENT, FENCES, WALLS AND DRAINAGE STRUCTURES, AND UNOBSTRUCTED ACCESS FOR ALL AUTHORIZED USERS.
D. KEEP THE INDIVIDUAL PLANT LOCATIONS AND PLANT BEDS FREE OF LITTER AND UNDESIRABLE VEGETATION.
E. KEEP LANDSCAPE BEDS EDGING CORRECTLY LOCATED AND TRIMMED, AND THE MULCH GROOMED AND REPLENISHED AS SPECIFIED IN THESE PLANS
F. OPERATE AND MAINTAIN ALL COMPONENTS OF ANY IRRIGATION SYSTEM AS SPECIFIED IN THE PLANS WHEN INSTALLED AS PART OF THE CONTRACT.
G. CONTINUE MOWING AND LITTER PICK UP OF THE TURF AREAS.

21. ALL PLANT MATERIAL SHALL BE WARRANTIED FOR A TWO (2) YEAR PERIOD AFTER FINAL ACCEPTANCE BY THE CONTRACTOR TO BE IN FLOURISHING CONDITION OF ACTIVE GROWTH AS INDICATED IN SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MONITOR THE PROJECT DURING THE WARRANTY PERIOD AND INFORM THE OWNER IF PROBLEMS DEVELOP WITH THE PLANT MATERIAL. THE CONTRACTOR SHALL REMOVE DEAD AND UNHEALTHY PLANTS IMMEDIATELY AND REPLACE AT THE CONTRACTOR'S EXPENSE. WITHIN THE ONE (1) YEAR PERIOD, THERE SHALL BE EVALUATION OF MAINTENANCE BY OWNER'S REPRESENTATIVE AND, IF NEEDED, CORRECTIVE ACTION TAKEN BY CONTRACTOR. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO END THE MAINTENANCE SERVICES AT ANY POINT FOR ANY REASON.

22. PLANTS SHALL BE DEEMED DEAD IF THE TERMINAL LEADER DIES OR THE PLANT HAS LESS THAN 90% VIABLE LEAF SURFACE AREA.

23. WHEN CONFLICTS EXIST BETWEEN THE SPECIFICATIONS AND THESE PLANS, THE SPECIFICATIONS SHALL PREVAIL.

24. CONTRACTOR SHALL PROVIDE CITY APPROVED ROOT BARRIER AT A 24" DEPTH WHEN TREES ARE WITHIN 10 FEET OF UNDERGROUND UTILITIES AND/OR IMPERVIOUS AREAS. QUALIFYING PRODUCTS INCLUDE TYPAR BARRIER, DEEPROOT UNIVERSAL GUIDE TO TREE ROOT BARRIERS, CITY GREEN REROOT, OR APPROVED EQUAL.

IRRIGATION NOTES:

1. IRRIGATION SYSTEM TO INCLUDE ALL VALVES, PIPES, HEADS, FITTINGS, BACKFLOW PREVENTER, AND CONTROLLER, AND TO PROVIDE 100% COVERAGE OF ALL LANDSCAPE AREAS.

GENERAL DETAIL NOTES:

1. ALL DIMENSIONS PROVIDED FOR WOODEN MATERIALS ARE NOMINAL.

2. PLANT CONTAINERS SHALL BE REMOVED PRIOR TO PLANTING. IF PLANTS ARE NOT CONTAINER GROWN, REMOVE A MINIMUM OF THE TOP 1/3 OF BURLAP, FABRIC, OR WIRE MESH. WIRE BASKETS MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION. REMOVE WEEDS FROM CONTAINERS AND FIELD GROWN MATERIAL PRIOR TO PLANTING.

3. ROOTBALLS SHALL BE SET 1"-2" ABOVE FINISHED GRADE AND SET PLUMB TO THE HORIZON.

4. BACKFILL SHALL BE LOOSENED EXISTING SOIL. REMOVE ROCKS, STICKS, OR OTHER DELETERIOUS MATERIAL GREATER THAN 1" IN ANY DIRECTION PRIOR TO BACKFILLING. WATER AND TAMP TO REMOVE AIR POCKETS. IF EXISTING SOILS CONTAIN EXCESSIVE SAND, CLAY, OR OTHER MATERIAL NOT CONDUCIVE TO PROPER PLANT GROWTH CONTACT OWNER'S REPRESENTATIVE PRIOR TO PLANTING. A SOIL TEST TO CONFIRM ADHERENCE TO THE SPECIFICATIONS FOR ANY STOCKPILED OR IMPORTED SOIL WILL BE REQUIRED. SEE SPECIFICATIONS FOR REQUIRED TESTING DATA AND AMEND THE SOIL AS REQUIRED BY THE SOIL TEST.

5. MULCH SHALL BE A 3" DEEP LAYER PLACED TO THE EDGE OF THE TRUNK FLARE. MULCH SHALL BE AT A MINIMUM 2" CLEARANCE FROM TREE TRUNKS.

6. ALL WOODEN STAKES OR EARTH ANCHORS SHALL BE LOCATED BEYOND THE EDGE OF SOIL RING.

7. ALL TREE INSTALLATION SHALL BE IN ACCORDANCE WITH THE CITY OF TALLAHASSEE CODE OF ORDINANCES AND LAND DEVELOPMENT CODE.

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PLANT SCHEDULE:

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	HT
	AP	85	Aesculus pavia	Red Buckeye	FG B&B	3" CAL MIN	6` - 7` MIN.
	IA	90	Ilex x attenuata `Fosteri`	Foster`s Holly	FG B&B	3" CAL MIN	8` - 10` MIN.
	OF	102	Osmanthus fragrans Full to the ground	Tea Olive	FG B&B	3" CAL MIN	6` - 7` MIN.
GROUND COVERS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**HT**	**SPR**
	PA	9,041 SY	FDOT 570 PERFORMANCE TURF rolled tight, 100% insect/ weed/ disease/ debris free	570-1	SOD	-	-

TECHNICAL MAINTENANCE PLAN:

LANDSCAPE TECHNICAL MAINTENANCE PLAN

Maintenance Operation	Operations noted herein shall be performed by the Owner . Assume responsibility for proper maintenance condition and plant health as set forth in the landscape plan.											
Week/Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Mowing		X	X	XX	XX	XX	XX	XX	XX	XX		
	Mow twice per month beginning April 1 through October 31. Set mower height to avoid scalping the turf. No lower than 3 inches.											
Edging		X	X	XX	XX	XX	XX	XX	XX	XX		
	Owner to edge landscape planting beds, sidewalks, and curbs within project limits.			Edging by mechanical edger, same frequency as mowing.								
Recommended Watering Schedule	Trees (Watering Frequency)			Shrubs (Watering Frequency)			Watering General Notes					
	<2"Caliper	As provided for in the irrigation plans / system design.		As provided for in the irrigation plans / system design.			The Owner shall water all landscape plants and turf grass as needed after establishment to meet proper maintenance conditions as described in the landscape plan. Watering shall be the sole responsibility of the Owner and optional after a 12 month establishment period. The Owner shall water as required to ensure plant establishment using an irrigation system. Never apply irrigation if the soil is saturated. Supplemental watering is applied to encourage vigorous growth and plant establishment.					
	2-4" Caliper	As provided for in the irrigation plans / system design.										
	>4" Caliper	As provided for in the irrigation plans / system design.										
Weed Control	XX	XXY	XX	XX	XX	XXY	XX	XX	XX	XXY	XX	XX
	Owner to weed all planting beds twice per month. Landscape areas shall be kept weed free.			Weeding of landscape areas utilizing appropriate selective and non-selective herbicides, applied as per manufacturer's specifications, under the supervision of a licensed applicator by FDACS. Application of herbicides shall be done with extreme caution to prevent damage to landscape and tree plantings. NOTE - Application of Snapshot granular herbicide at 200#/ acre rate as per manufacturer's specifications and limitations.								
Pruning	Must maintain Florida #1 or better form.			Pruning for trees, shrubs, and groundcovers to be performed in accordance with the ANSI A300 guidelines and FDOT design standard index 546. All trees within medians shall be pruned to maintain sight distance for vehicles and pedestrians. Additionally, prune trees as needed to remove dead, diseased, or broken branches, fronds, and seed heads.								
Fertilization			X				X					
	Trees and shrubs shall be fertilized using a slow release fertilizer that contains at least 50% of the available nitrogen in a slow release form. Fertilizer analysis shall be in a NPK ratio of 2-1-1, a t a rate recommended by soil fertility analysis.			Trees, shrubs, and ground covers are to be fertilized by top dressing the root zone of the plants and trees, using approved methods. All materials and performance of work shall meet Florida Friendly Best Management Practices for the Protection of Water Resources by the Green Industry and all other applicable state and federal health and safety laws.								
Litter Removal	X	X	X	XX	XX	XX	XX	XX	XX	XX	X	X
	Litter removal within the project limits. To be completed in conjunction with the mowing schedule, but immediately prior to mowing. The months of November, December, and January shall also have litter removed once per month.											
Mulching 3" Depth Pine Bark Nuggets	Mulch should be maintained year-round			Mulch shall be free of vegetative yard waste, plastic, glass, metal, palm fronds, sand, and other foreign materials. Mulch shall be consistent in appearance. Mulch shall be free from viable non-native seed, weed, and grass seed. Maintain a continuous 3" layer of mulch in all planted and mulched areas with the exception of trees. Mulch shall not cover the root ball of any landscape tree.								
Tree Staking	Stake and Guy trees at time of installation.			The Owner shall maintain, repair, and/or replace all staking materials as needed to keep trees upright and to prevent girdling. The Owner shall remove staking at the end of the one year establishment period or upon plan establishment. Refer to landscape details for staking and guying.								
Disease and Insect Control	X	X	X	X	X	X	X	X	X	X	X	X
	Owner to inspect all landscape material on a monthly basis for insects, mites, fungus,etc., and apply correct control products as needed per manufacturer's specification; to prevent landscape material from falling below the minimum maintenance condition outlined in the landscape plan and contract documents.											
Plant Material Replacement	The Owner shall replace all dead and substandard material (see Landscape plan and contract documents) in accordance with the Environmental Management Permit											

No.	REVISIONS	DATE	BY

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TALLAHASSEE, FL 32308 PHONE: 850-553-3500
WWW.KIMLEY-HORN.COM

LICENSED PROFESSIONAL

DATE:

KHA PROJECT 144124059
DATE MARCH 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —

PLANTING NOTES
LANDSCAPE
TECHNICAL
MAINTENANCE
PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
L001

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:L001 PLANTING NOTES March 28, 2025 08:57:35am K:\TAL_Aviation\1_Engr\144124-TLH059-Rental Car QTA\Design\CADD\PlanSheets\QTA\L001 LANDSCAPE PLAN.dwg
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EXISTING AIRFIELD SECURITY FENCE

EXISTING CARGO & RENTAL CAR SERVICE ROAD

BUILDING A

BUILDING B

60" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF EACH HYDRANT CONNECTION. 36" CLEAR SPACE SHALL BE PROVIDED AROUND FIRE HYDRANT.

PA 353 sf

PA 298 sf

PA 208 sf

PA 468 sf

PA 299 sf

MATCHLINE, SEE SHEET L003

GRAPHIC SCALE IN FEET
0 15 30 60

KEY MAP

CALL 2 WORKING DAYS BEFORE YOU DIG
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811 Know what's below. Call before you dig.
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DATE:

PLANTING PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
L002

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:L002 PLANTING PLAN March 28, 2025 08:57:44am K:\TAL_Aviation\1_Engr\144124-TLH059-Rental Car GTA\Design\CADD\PlanSheets\GTALL001 LANDSCAPE PLAN.dwg
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MATCHLINE, SEE SHEET L002

EXISTING CARGO & RENTAL CAR SERVICE ROAD

PA 299 sf

PA 107 sf

PA 15,287 sf

PA 998 sf

PA 20,678 sf

BUILDING C

60" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF EACH HYDRANT CONNECTION. 30" CLEAR SPACE SHALL BE PROVIDED AROUND FIRE HYDRANT.

IA 6

AP 6

OF 6

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EXISTING ASPHALT

EXISTING CONCRETE

FACILITIES MANAGEMENT 1-STORY BUILDING

ASPHALT SERVICE ROAD

EXISTING 2-SIDED METAL BUILDING

EXISTING AIRFIELD SECURITY FENCE

EXISTING SOUTHSIDE CEMETERY FENCE

NORTH

GRAPHIC SCALE IN FEET

0 15 30 60

KEY MAP

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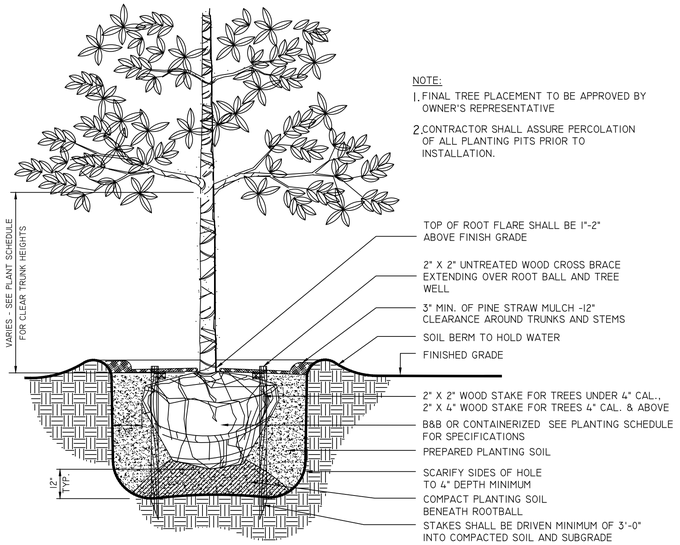
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PLANTING PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
L003

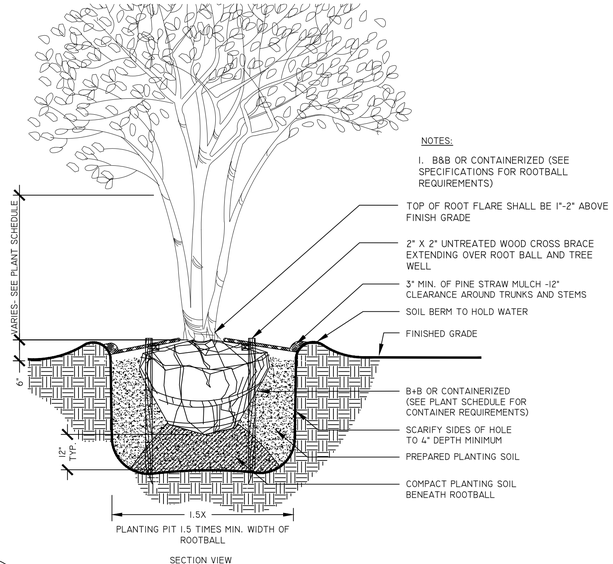


NOTE:

1. FINAL TREE PLACEMENT TO BE APPROVED BY OWNER'S REPRESENTATIVE
2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

- TOP OF ROOT FLARE SHALL BE 1"-2" ABOVE FINISH GRADE
- 2" X 2" UNTREATED WOOD CROSS BRACE EXTENDING OVER ROOT BALL AND TREE WELL
- 3" MIN. OF PINE STRAW MULCH -12" CLEARANCE AROUND TRUNKS AND STEMS
- SOIL BERM TO HOLD WATER
- FINISHED GRADE
- 2" X 2" WOOD STAKE FOR TREES UNDER 4" CAL., 2" X 4" WOOD STAKE FOR TREES 4" CAL. & ABOVE
- B&B OR CONTAINERIZED SEE PLANTING SCHEDULE FOR SPECIFICATIONS
- PREPARED PLANTING SOIL
- SCARIFY SIDES OF HOLE TO 4" DEPTH MINIMUM
- COMPACT PLANTING SOIL BENEATH ROOTBALL
- STAKES SHALL BE DRIVEN MINIMUM OF 3'-0" INTO COMPACTED SOIL AND SUBGRADE

1 L004 SHADE TREE PLANTING
NOT TO SCALE



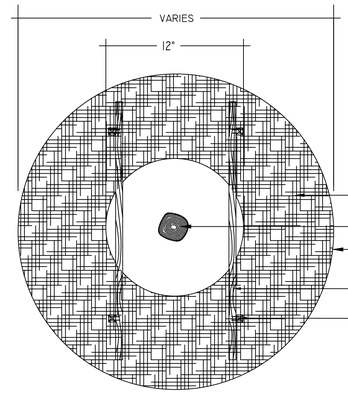
NOTES:

1. B&B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOTBALL REQUIREMENTS)

- TOP OF ROOT FLARE SHALL BE 1"-2" ABOVE FINISH GRADE
- 2" X 2" UNTREATED WOOD CROSS BRACE EXTENDING OVER ROOT BALL AND TREE WELL
- 3" MIN. OF PINE STRAW MULCH -12" CLEARANCE AROUND TRUNKS AND STEMS
- SOIL BERM TO HOLD WATER
- FINISHED GRADE
- B+B OR CONTAINERIZED (SEE PLANT SCHEDULE FOR CONTAINER REQUIREMENTS)
- SCARIFY SIDES OF HOLE TO 4" DEPTH MINIMUM
- PREPARED PLANTING SOIL
- COMPACT PLANTING SOIL BENEATH ROOTBALL

SECTION VIEW

2 L004 MULTI-TRUNK TREE PLANTING
NOT TO SCALE



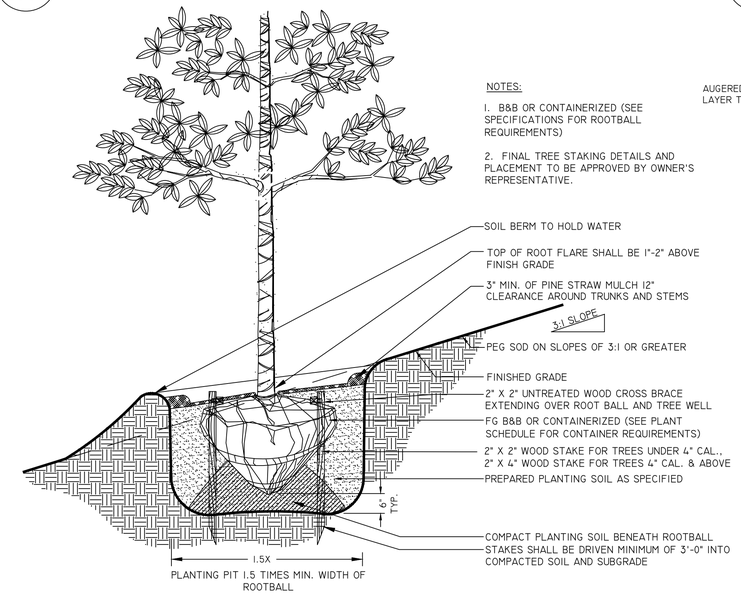
NOTE:

APPLY PINE STRAW MULCH IN A DIAMETER 1.5 TIMES THE SIZE OF TREE ROOT BALL WHERE PROPOSED TREE PLANTINGS OCCUR IN SOD WITH A MINIMUM OF 6'.

- PINE STRAW MULCH 3" MIN. DEPTH 12" CLEARANCE AROUND TRUNKS AND STEMS
- TYPICAL OVERSTORY TREE
- SMOOTH, CONTINUOUS, & SYMMETRICAL CUT SOD EDGE
- 2" X 2" UNTREATED WOOD CROSS BRACE EXTENDING OVER ROOT BALL AND TREE WELL
- 2" X 2" WOOD STAKE FOR TREES UNDER 4" CAL., 2" X 4" WOOD STAKE FOR TREES 4" CAL. & ABOVE

*SEE SHADE TREE PLANTING DETAIL FOR TREE STAPLES

3 L004 TREE MULCH RING
NOT TO SCALE



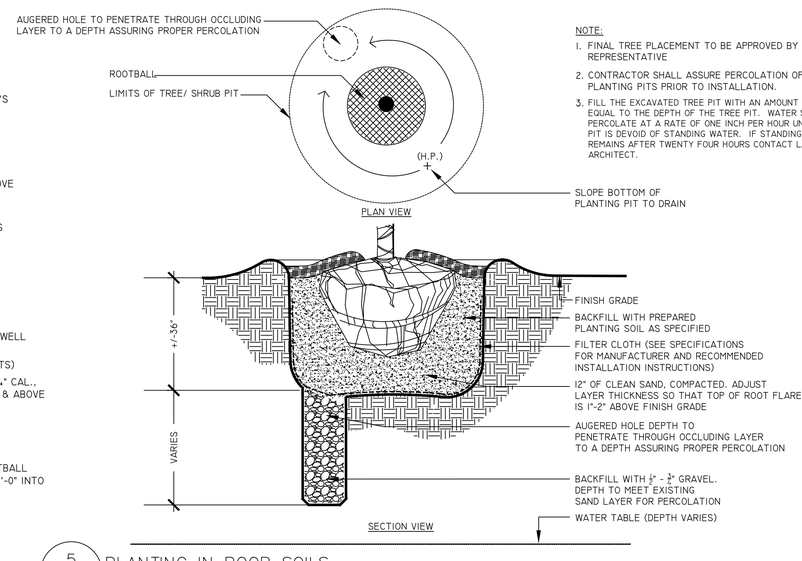
NOTES:

1. B&B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOTBALL REQUIREMENTS)
2. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER'S REPRESENTATIVE.

- SOIL BERM TO HOLD WATER
- TOP OF ROOT FLARE SHALL BE 1"-2" ABOVE FINISH GRADE
- 3" MIN. OF PINE STRAW MULCH 12" CLEARANCE AROUND TRUNKS AND STEMS
- PEG SOD ON SLOPES OF 3:1 OR GREATER
- FINISHED GRADE
- 2" X 2" UNTREATED WOOD CROSS BRACE EXTENDING OVER ROOT BALL AND TREE WELL
- FG B&B OR CONTAINERIZED (SEE PLANT SCHEDULE FOR CONTAINER REQUIREMENTS)
- 2" X 2" WOOD STAKE FOR TREES UNDER 4" CAL., 2" X 4" WOOD STAKE FOR TREES 4" CAL. & ABOVE
- PREPARED PLANTING SOIL AS SPECIFIED
- COMPACT PLANTING SOIL BENEATH ROOTBALL
- STAKES SHALL BE DRIVEN MINIMUM OF 3'-0" INTO COMPACTED SOIL AND SUBGRADE

SECTION VIEW

4 L004 SHADE TREE PLANTING ON SLOPE
NOT TO SCALE



NOTE:

1. FINAL TREE PLACEMENT TO BE APPROVED BY OWNER'S REPRESENTATIVE
2. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
3. FILL THE EXCAVATED TREE PIT WITH AN AMOUNT OF WATER EQUAL TO THE DEPTH OF THE TREE PIT. WATER SHALL PERCOLATE AT A RATE OF ONE INCH PER HOUR UNTIL THE TREE PIT IS DEVOID OF STANDING WATER. IF STANDING WATER REMAINS AFTER TWENTY FOUR HOURS CONTACT LANDSCAPE ARCHITECT.

- SLOPE BOTTOM OF PLANTING PIT TO DRAIN
- FINISH GRADE
- BACKFILL WITH PREPARED PLANTING SOIL AS SPECIFIED
- FILTER CLOTH (SEE SPECIFICATIONS FOR MANUFACTURER AND RECOMMENDED INSTALLATION INSTRUCTIONS)
- 12" OF CLEAN SAND, COMPACTED. ADJUST LAYER THICKNESS SO THAT TOP OF ROOT FLARE IS 1"-2" ABOVE FINISH GRADE
- AUGERED HOLE DEPTH TO PENETRATE THROUGH OCCLUDING LAYER TO A DEPTH ASSURING PROPER PERCOLATION
- BACKFILL WITH ¼" - ¾" GRAVEL. DEPTH TO MEET EXISTING SAND LAYER FOR PERCOLATION
- WATER TABLE (DEPTH VARIES)

SECTION VIEW

5 L004 PLANTING IN POOR SOILS
NOT TO SCALE

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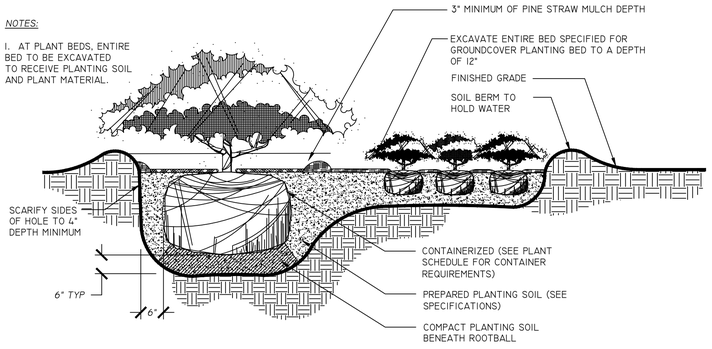
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PLANTING DETAILS

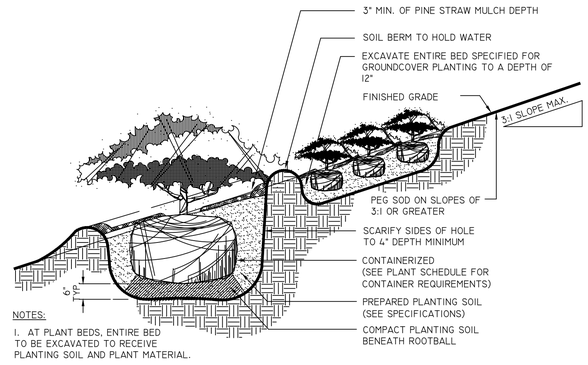
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L004

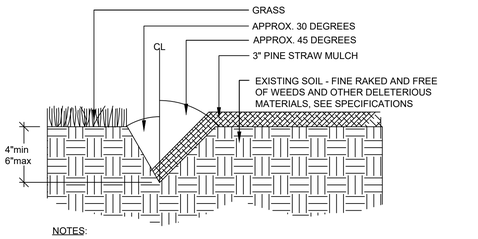
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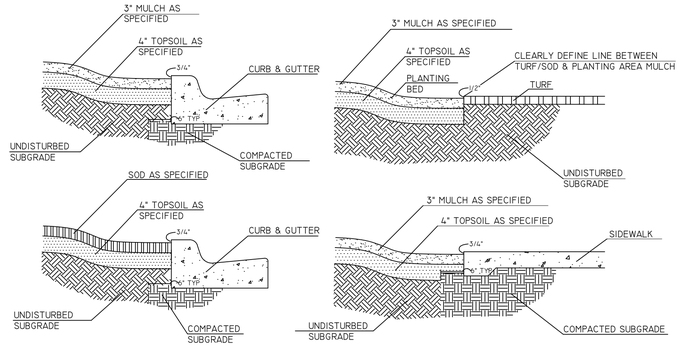
1 L005 SHRUB/ ORNAMENTAL GRASSES PLANTING
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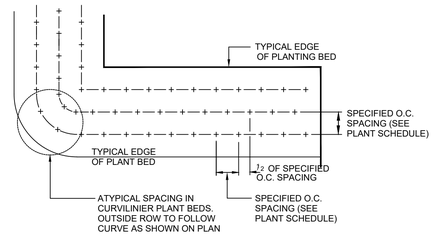
2 L005 SHRUB/ ORNAMENTAL GRASSES ON SLOPE PLANTING
NOT TO SCALE



3 L005 PLANTING BED & TREE MULCH RING EDGE
NOT TO SCALE



4 L005 TYPICAL EDGE CONDITIONS
NOT TO SCALE



5 L005 GROUNDCOVER SPACING
NOT TO SCALE

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811 Know what's below. Call before you dig.
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KHA PROJECT 144124059
DATE MARCH 2024
SCALE AS SHOWN
DESIGNED BY —
DRAWN BY —
CHECKED BY —
DATE:

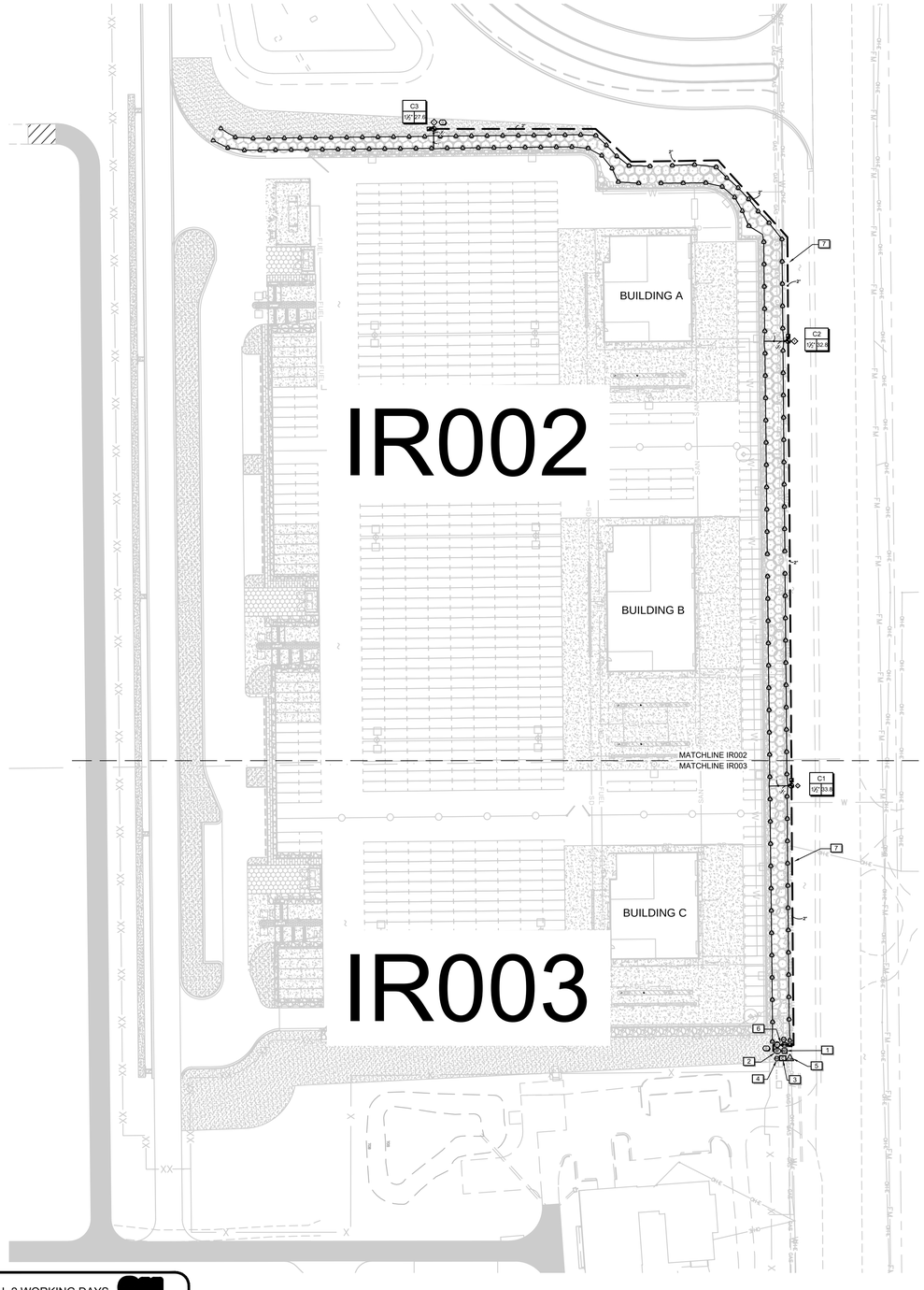
PLANTING DETAILS

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
L005

Plotted By:Caslin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:L005 PLANTING DETAILS March 28, 2024 08:57:52am K:\TAL_Aviation\1_Engr\144124-TLH059-Rental Car QTA\Design\CADD\PlanSheets\QTALL001 LANDSCAPE PLAN.dwg
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0 60 120 180 feet

1" = 60'

NORTH

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IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
A	Rain Bird 1812-SAM-P45 with Hunter MP Corner Shrub Rotator, 12" pop-up with factory installed check valve, pressure regulated to 45 psi, MP Rotator nozzle. T=Turquoise adj arc 45-105.
A A A	Rain Bird 1812-SAM-P45 with Hunter MP1000 Shrub Rotator, 12" pop-up with check valve, pressure regulated to 40 psi, MP Rotator nozzle. M=Maroon adj arc 90 to 210, L=Light Blue 210 to 270 arc, O=Olive 360 arc.
A A A	Rain Bird 1812-SAM-P45 with Hunter MP2000 Shrub Rotator, 12" pop-up with check valve, pressure regulated to 45 psi, MP Rotator nozzle. K=Black adj arc 90-210, G=Green adj arc 210-270, R=Red 360 arc.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird PEB-IVM 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With IVM-SOL
	Hunter HQ-44LRC-AW Quick coupler valve, yellow rubber locking cover, red brass and stainless steel, with 1" NPT inlet, 2-piece body. Acme Key with Anti-Rotation Wings.
MV	Buckner-Superior 3100-PRS 1-1/2" Normally Open Brass Master Valve that Provides Dirty Water Protection. Available in 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2" and 3". Pressure Regulation Feature.
BF	Febco 825Y 1-1/2" Reduced Pressure Backflow Preventer
C	Rain Bird ESPLXIVM-LXMMSS-LXMMSSPED 60 station 2-wire, exterior stainless steel pedestal. Flow sensing.
1	Rain Bird FD-101TURF Field Decoder for Two-Wire system. Install in valve box for valve. Operates one valve/solenoid. Use line surge protection as per manufacturer`s directions.
CM	Rain Bird IQ-NCC-4G IQ NCC Cell Data Modem. Provide 3 year subscription to Rain Bird IQ4 in owners name.
SD	Rain Bird SD-210TURF Sensor Decoder interfacing signal line and analog or digital decoders.
RF	Rain Bird WR2-RFS Wireless Rain/Freeze Sensor.
FS	Creative Sensor Technology FSI-T15-001 1.5" (40mm) PVC tee type flow sensor w/socket ends, custom mounting tee and ultra lightweight impeller enhances low flow measurement. 2 wire digital output compatible w/all irrigation controllers. Flow range 1.8-108 GPM.
G	2-Wire Grounding Point Rain Birs LSP-01 lightning arrestor and ground rod installed as per plan detail and manufacturers instructions.
M	Water Meter 1-1/2"
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21

Valve Callout



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
1	Irrigation system water source to be a 1-1/2" service line to a 1-1/2" meter and 1-1/2" RPZ backflow preventer. System requirements are 36 gpm at a static pressure of 70 psi. Verify available flow and static pressure prior to construction.
2	Provide and install and insulated aluminum backflow enclosure mounted on a concrete pad as per plan detail.
3	Coordinate the exact location of the pedestal controller with the owners representative. Provide 120v 20 amp power to the controller from a dedicated circuit. Install controller as per plan notes, details and manufacturers instructions.
4	Coordinate the exact location of the Rain Freeze sensor mounted to the electrical rack. Install and program as per plan details and manufacturers instructions.
5	Provide and install Rain Bird NCC cell data modem cartridge in the controller. Provide 3 year subscription to IQ4 in owners name.
6	Install Master Valve(MV) and Flow Sensor(FS) as per plan detail and manufacturers instructions. Program controller to shut MV down on mainline over-flow and shut zone off on lateral over-flow.
7	Coordinate the exact location of the mainline routing prior to installation.

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PSI @ POC	PRECIP
C1	Rain Bird PEB-IVM	1-1/2"	Shrub Rotary	33.79	52.51	70.29	0.37 in/h
C2	Rain Bird PEB-IVM	1-1/2"	Shrub Rotary	32.83	51.91	72.26	0.35 in/h
C3	Rain Bird PEB-IVM	1-1/2"	Shrub Rotary	27.55	51.19	71.61	0.4 in/h

GENERAL NOTES

1. ALL TRENCHING TO BE OUTSIDE OF TREE DRIP LINE
2. MAINLINE TO HAVE MINIMUM OF 18" OF COVER AND A MINIMUM OF 18" OFF OF THE HARDSCAPE
3. LATERALS TO HAVE MINIMUM OF 12" OF COVER AND A MINIMUM OF 12" OFF OF THE HARDSCAPE
4. NO ROCKS, BOULDERS OR SHARP OBJECTS TO BE IN TRENCH BACKFILL
5. ALL PIPE TO BE INSTALLED AS PER MANUFACTURES SPECIFICATIONS
6. SPRINKLERS AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS
7. TWO WIRE CONTROL WIRE TO BE 14 GA UL 2 CONDUCTOR, JACKETED AND APPROVED BY 2-WIRE CONTROLLER MANUFACTURER
8. ALL 2-WIRE CONTROL WIRE TO HAVE 14GA "BLUE" TRACER WIRE FROM THE CONTROLLER TO ALL CONTROL VALVES. TRACER WIRE TO HAVE A 24" LOOP LOCATED IN EACH CONTROL VALVE AND ISOLATION VALVE BOXES.
9. WIRE SPLICES TO BE DONE AS PER DETAILS
10. ALL WIRE SPLICES OUTSIDE OF CONTROL VALVE BOX TO BE IN 10" VALVE BOX
11. TWO WIRE CONDUCTORS TO BE COLOR CODED
12. CONTRACTOR SHALL INSTALL MANUFACTURES GROUNDING EQUIPMENT ON BOTH THE POWER AND OUTPUT SIDES OF CONTROLLER, ALL GROUNDING POINTS TO BE INSTALLED AS PER PLANS AND DETAILS
13. AT EACH VALVE AND CHANGE IN MAINLINE DIRECTION CONTRACTOR TO INSTALL A 30" LOOP OF EXTRA WIRE
14. SPRINKLERS ARE TO BE ADJUSTED TO AVOID OVER-SPRAY INTO NON-IRRIGATED AREAS
15. ELECTRIC CONTROL VALVES ARE TO BE INSTALLED IN VALVE BOXES AS FOLLOWS
    14" RECTANGULAR MINIMUM FOR EACH ELECTRIC CONTROL VALVE
    JUMBO VALVE BOX FOR DRIP ZONE KITS
16. SPRINKLERS TO BE INSTALLED 12" FROM FOUNDATIONS AND 2" FROM HARDSCAPE
17. CONTRACTOR TO ADD RISER EXTENSIONS TO SPRINKLERS IF REQUIRED TO MAINTAIN PROPER COVERAGE
18. ALL PIPING TO BE FLUSHED PRIOR TO INSTALLATION OF SPRINKLERS
19. ALL VALVES, QUICK COUPLER VALVES, WIRE SPLICES TO BE IN LANDSCAPED BEDS WHEREVER POSSIBLE
20. CONTRACTOR IS RESPONSIBLE FOR OBTAINING PROPER COVERAGE OF AREA TO BE IRRIGATED, MAKE ADJUSTMENTS AS NECESSARY
21. CONTRACTOR SHALL EXERCISE CARE NOT TO DAMAGE EXISTING UTILITIES REPAIRING ANY DAMAGES AT HIS OWN COST
22. PLAN IS DIAGRAMMATIC TO IMPROVE CLARITY ALL IRRIGATION EQUIPMENT TO BE INSTALLED WITHIN PROPERTY LINES AND LANDSCAPED AREAS
23. ANY DISCREPANCIES BETWEEN THE PLAN AND THE SITE TO BE REFERRED TO THE OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION
24. CONTRACTOR TO PROVIDE 1 YEAR WARRANTEE OF ALL PRODUCTS AND WORKMANSHIP TO INCLUDE WINTERIZATION AND SPRING START-UP
25. CONTRACTOR TO PROVIDE OWNER AND OR LANDSCAPE ARCHITECT RECORD DRAWING PRIOR TO SUBSTANTIAL COMPLETION
26. INSTALLATION OF IRRIGATION SLEEVES IS THE IRRIGATION CONTRACTORS RESPONSIBILITY IRRIGATION CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR SLEEVE INSTALLATION PRIOR TO PAVEMENT INSTALLATION
27. CLEANUP AND DISPOSE OF ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS LEAVE AREA NEAT, CLEAN AND READY FOR OWNERS USE PROVIDE CLEAN PAVEMENT SURFACES INCLUDING AREAS OF PUBLIC R.O.W.

CONTROLLER INSTALLATION NOTES

1. IRRIGATION CONTRACTOR TO COORDINATE EXACT LOCATION OF CONTROLLER WITH OWNER'S REPRESENTATIVE.
2. PROVIDE 120VAC 10 AMP POWER TO JUNCTION BOX AT CONTROLLER LOCATION.
3. IRRIGATION CONTRACTOR TO HARD WIRE CONTROLLER TO POWER SUPPLY AS PER PREVAILING CODE.
4. CONTROLLER TO BE SECURELY ATTACHED TO THE WALL USING METALLIC FASTENERS MADE FOR WALL TYPE.
5. ALL IRRIGATION CONTROL WIRE ABOVE GRADE TO BE ENCASED IN PVC ELECTRICAL CONDUIT.
6. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR ALL POTENTIAL WALL PENETRATIONS AND THE SEALING OF THOSE PENETRATIONS.
7. CONTROLLER TO BE GROUNDED AS PER MANUFACTURERS RECOMMENDATIONS.

TWO WIRE CONTROL SYSTEM NOTES

1. ALL DECODER WIRE SPLICE CONNECTORS TO BE 3M DBY-6 OR BETTER.
2. ALL DECODER TO VALVE SOLENOID SPLICE CONNECTORS TO BE 3M DBY-6 OR BETTER
3. ALL GROUNDING POINTS TO HAVE LSP-01 LIGHTNING ARRESTOR INSTALLED INLINE AS PER MANUFACTURER'S REQUIREMENTS AND INSTALLED AS PER DETAIL.
4. ALL 2-WIRE PRODUCTS TO BE INSTALLED AND OPERATED AS PER THE MANUFACTURER'S RECOMMENDATIONS AND OR REQUIREMENTS.
5. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY MANUFACTURERS INSTALLATION TRAINING PRIOR TO PROJECT START, NOTIFY IRRIGATION CONSULTANT WHEN TRAINING HAS BEEN COMPLETED.
6. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR TRAINING OWNERS STAFF, AS NEEDED, ON THE OPERATION AND MAINTENANCE OF BASELINE CONTROL SYSTEM.
7. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR COMPLETE PROGRAMMING AND OPERATION OF THE CONTROL SYSTEM FOR 6 MONTHS FROM THE DAY THE CONTROLLER BECOMES FUNCTIONAL. CONTRACTOR TO PROVIDE THE OWNERS REPRESENTATIVE A COMPUTER SPREAD SHEET THAT SHOWS EACH PROGRAM, OPERATIONAL DAYS AND RUN TIMES PER ZONE.

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LICENSED PROFESSIONAL

DATE: 04/16/2021

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	04/16/2021	AS SHOWN	MC	MC	SK

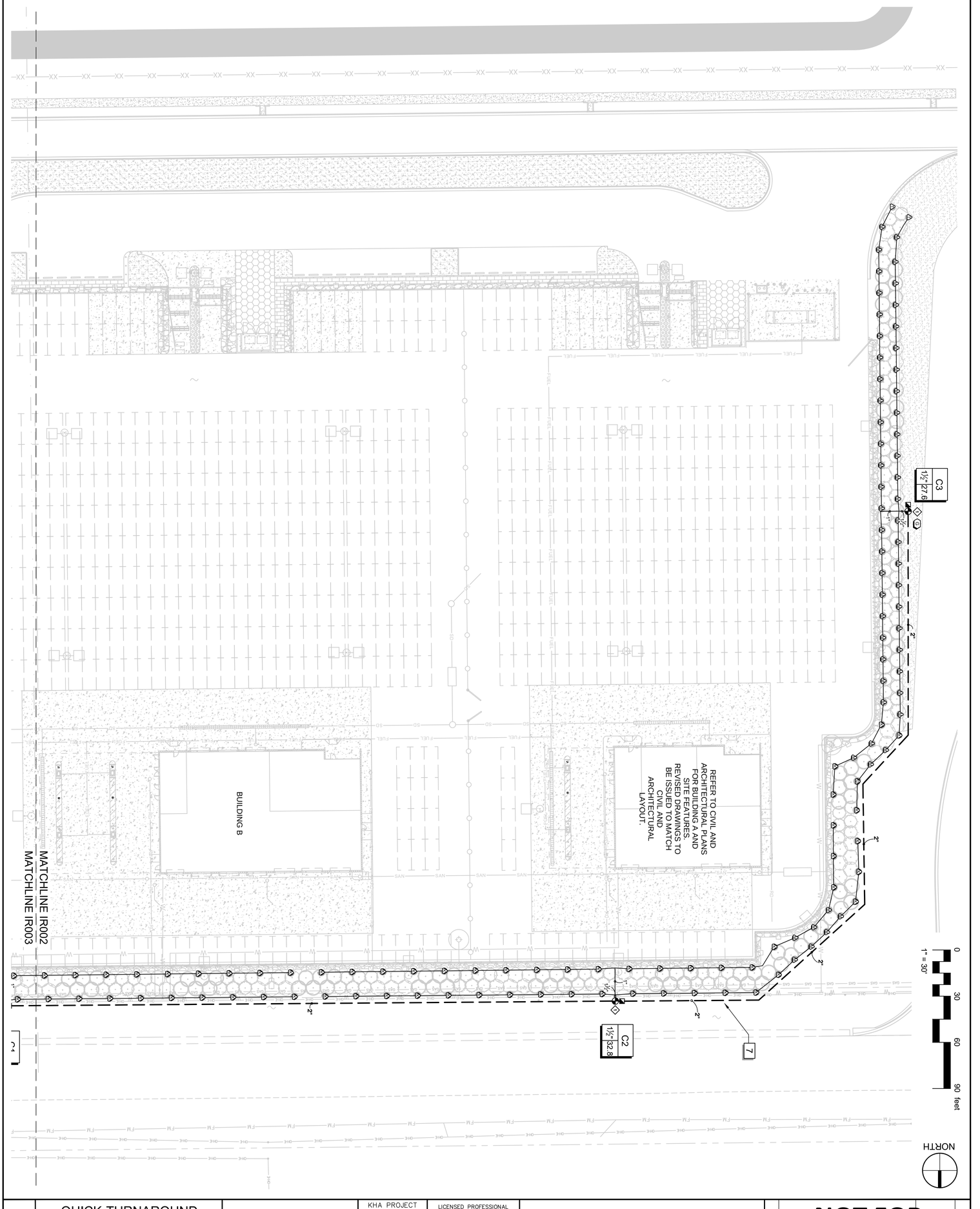
IRRIGATION PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
IR001

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IRRIGATION PLAN

KHA PROJECT	144124059
DATE	04/16/2021
SCALE	AS SHOWN
DESIGNED BY	MC
DRAWN BY	MC
CHECKED BY	SK

LICENSED PROFESSIONAL
DATE: 04/16/2021

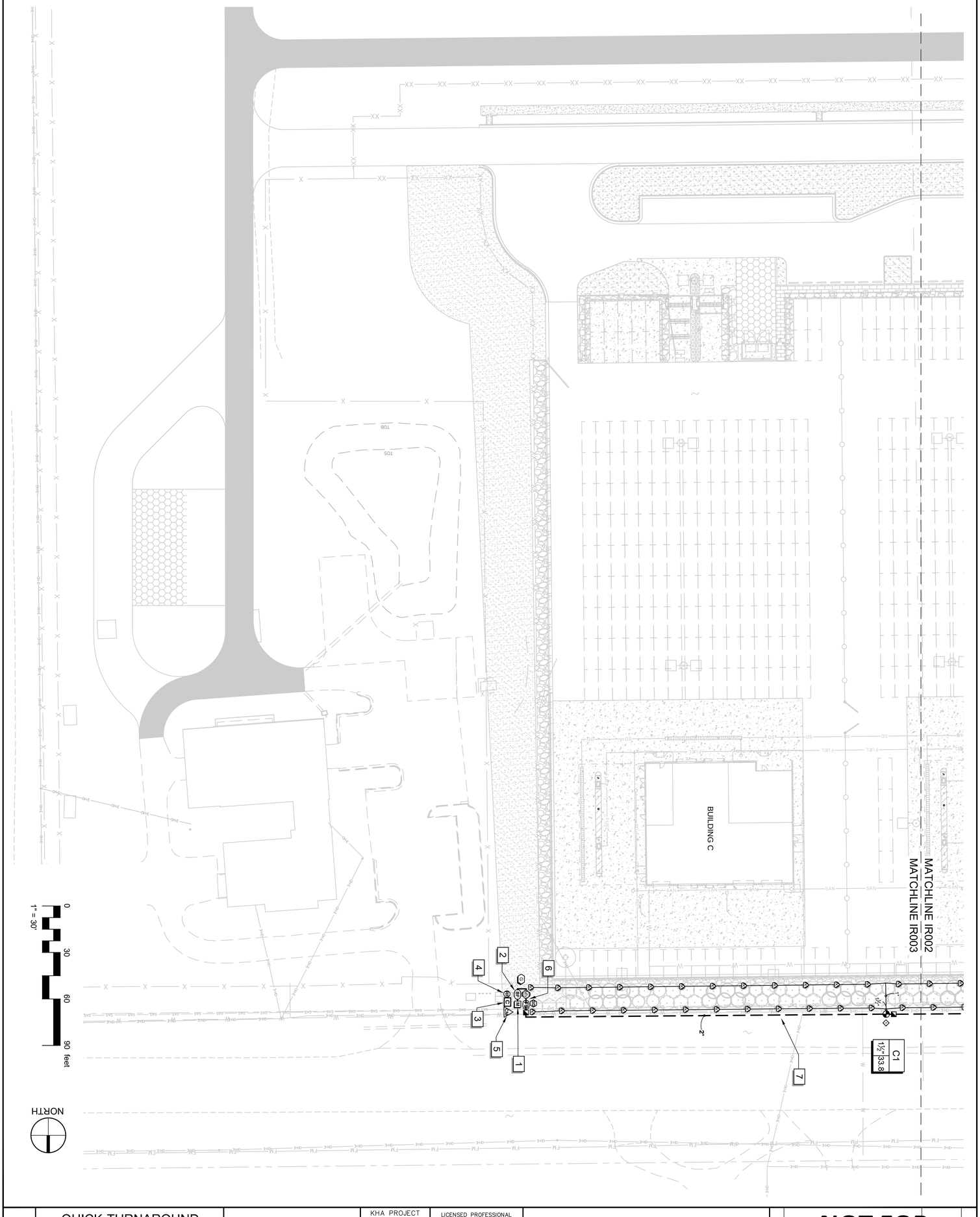
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IRRIGATION PLAN

KHA PROJECT 144124059
DATE 04/16/2021
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DESIGNED BY MC
DRAWN BY MC
CHECKED BY SK

LICENSED PROFESSIONAL
DATE: 04/16/2021

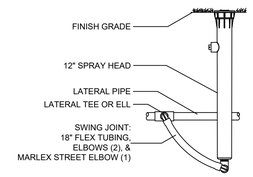
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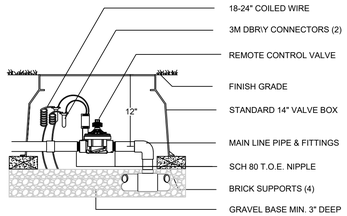
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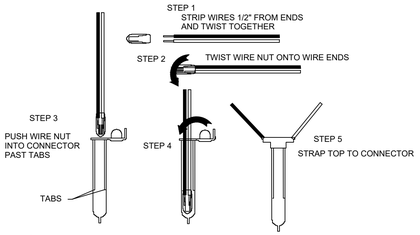
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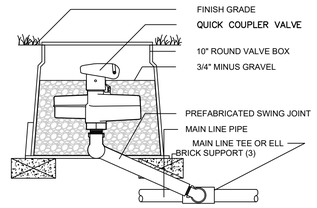
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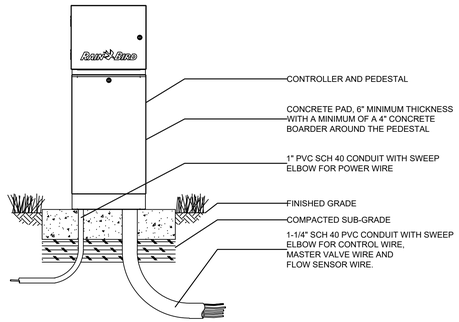
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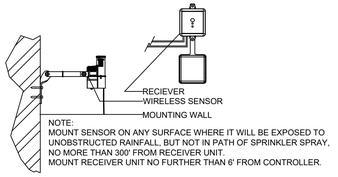
3 WIRE CONNECTION 3M-DBR6-Y
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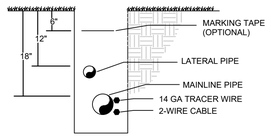
4 QUICK COUPLER VALVE
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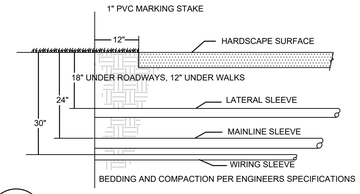
5 PEDESTAL MOUNT CONTROLLER
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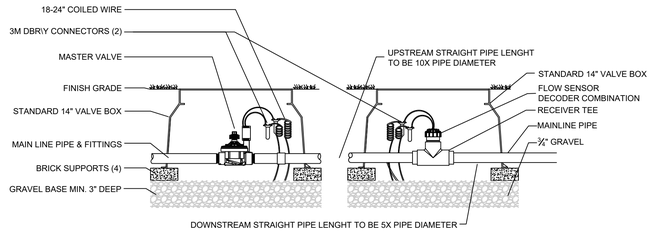
6 WIRELESS RAIN SENSOR
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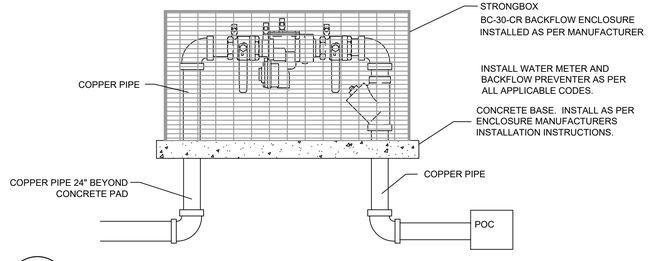
7 TRENCH, PIPE AND WIRE
NTS



8 SLEEVING
NTS

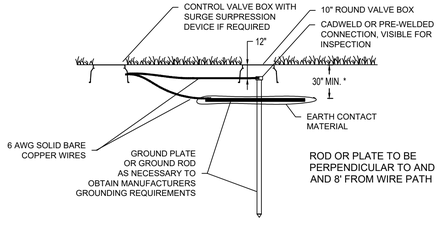


9 MASTER VALVE FLOW SENSOR
NTS



10 RPZ BACKFLOW PREVENTER WITH ENCLOSURE
NTS

SIDE VIEW



11 TWO WIRE GROUNDING POINT DETAIL
NTS

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CRITICAL ANALYSIS

Generated:	2021-03-18 13:42
P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	1-1/2"
Flow Available:	46.59 gpm
PRESSURE AVAILABLE	
Static Pressure at POC:	90.00 psi
Elevation Change:	5.00 ft
Service Line Size:	1 1/2"
Length of Service Line:	20.00 ft
Pressure Available:	86.00 psi
DESIGN ANALYSIS	
Maximum Station Flow:	33.79 gpm
Flow Available at POC:	46.59 gpm
Residual Flow Available:	12.80 gpm
Pressure Req. at Critical Station:	51.90 psi
Loss for Fittings:	0.44 psi
Loss for Main Line:	4.37 psi
Loss for POC to Valve Elevation:	0.00 psi
Loss for Backflow:	12.10 psi
Loss for Master Valve:	1.20 psi
Loss for Water Meter:	2.25 psi
Critical Station Pressure at POC:	72.26 psi
Pressure Available:	86.00 psi
Residual Pressure Available:	13.74 psi

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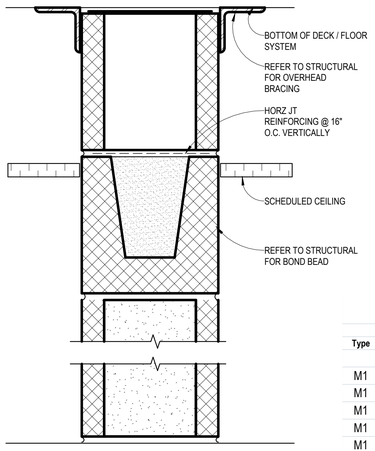
KHA PROJECT 144124059			
DATE 04/16/2021	SCALE	AS SHOWN	
	DESIGNED BY	MC	
	DRAWN BY	MC	
	CHECKED BY	SK	

DATE: 04/16/2021

IRRIGATION PLAN

QUICK-TURNAROUND FACILITY
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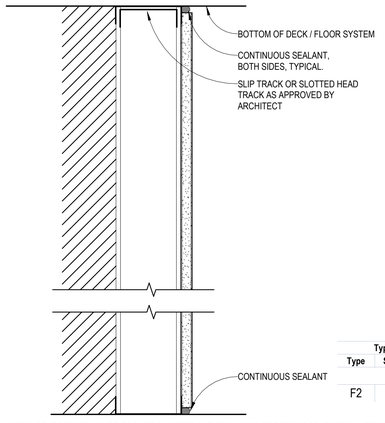
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PARTITION TYPE M1

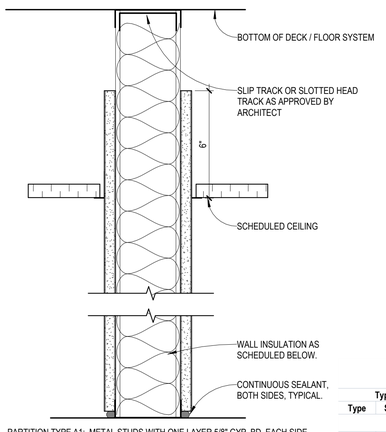
Type Mark							
Type	Stud #	F.R.	Insul	Wall Depth	Gyp Width	Fire Rating	UL Code
M1	6	0		6 1/8"	N/A	0	U906
M1	8	0		7 5/8"	N/A	0	U906
M1	8	1		7 5/8"	N/A	1HR	U906
M1	8	2		10 3/4"	N/A	2HR	U906
M1	12	0		11 5/8"	N/A	0	U906



PARTITION TYPE F2: METAL STUDS ATTACHED TO BACK UP SURFACE AND ONE LAYER OF 5/8" GYP BD. PARTIAL HEIGHT.

PARTITION TYPE F2

Type Mark							
Type	Stud #	F.R.	Insul	Wall Depth	Gyp Width	Fire Rating	UL Code
F2	2	0	No	3 1/8"	5/8"	--	--



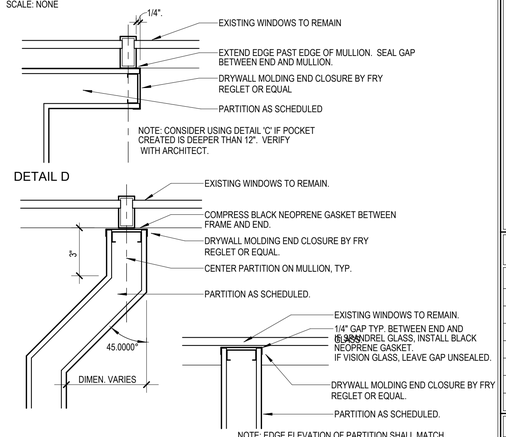
PARTITION TYPE A1: METAL STUDS WITH ONE LAYER 5/8" GYP. BD. EACH SIDE, AND 2 1/2" ACOUSTICAL INSULATION FULL HEIGHT.

PARTITION TYPE A1

Type Mark							
Type	Stud #	F.R.	Insul	Wall Depth	Gyp Width	Fire Rating	UL Code
A1	60		Yes	7 1/4"	5/8"	--	U465

DUCT PENETRATIONS

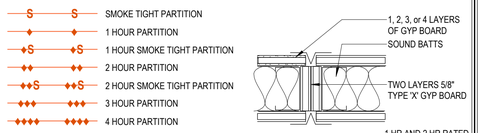
SCALE: NONE



PARTITION AT MULLION DETAILS

SCALE: NONE

FIREWALL PARTITION LEGEND



PARTITION LIMITING HEIGHTS SCHEDULE

Interior Framing Limiting Heights

Stud Depth (in.)	Stud Spacing (in.)	Design Limit (psf)	Allowable Deflection	(18 mil) 25 Gauge 0.01799min (0.455mm min.) ft.-in.	(mm)	(33 mil) 20 Gauge 0.03299min (0.836mm min.) ft.-in.	(mm)
1-5/8 (162S125-18/33)	24	5	L/120	9-9	(2970)	11-0	(3350)
1-5/8 (162S125-18/33)	24	5	L/240	7-11	(2410)	8-9	(2670)
1-5/8 (162S125-18/33)	24	5	L/360	7-1	(2160)	7-8	(2030)
1-5/8 (162S125-18/33)	16	5	L/120	10-7	(3230)	12-1	(3680)
1-5/8 (162S125-18/33)	16	5	L/240	8-4	(2540)	9-8	(2950)
1-5/8 (162S125-18/33)	16	5	L/360	8-2	(2490)	8-5	(2570)
2-1/2 (250S125-18/33)	24	5	L/120	11-10	(3610)	14-10	(4520)
2-1/2 (250S125-18/33)	24	5	L/240	10-7	(3230)	11-7	(3530)
2-1/2 (250S125-18/33)	24	5	L/360	9-3	(2820)	10-0	(3050)
2-1/2 (250S125-18/33)	16	5	L/120	13-3	(4040)	16-5	(5000)
2-1/2 (250S125-18/33)	16	5	L/240	11-3	(3430)	12-10	(3910)
2-1/2 (250S125-18/33)	16	5	L/360	9-10	(3000)	11-2	(3400)
3-5/8 (362S125-18/33)	24	5	L/120	13-9	(4190)	18-6	(5640)
3-5/8 (362S125-18/33)	24	5	L/240	13-5	(4090)	14-9	(4500)
3-5/8 (362S125-18/33)	24	5	L/360	11-7	(3530)	12-9	(3890)
3-5/8 (362S125-18/33)	16	5	L/120	15-4	(4670)	20-8	(6300)
3-5/8 (362S125-18/33)	16	5	L/240	14-4	(4370)	16-5	(5000)
3-5/8 (362S125-18/33)	16	5	L/360	12-4	(3760)	14-3	(4340)
4 (400S125-18/33)	24	5	L/120	15-1	(4600)	20-9	(6330)
4 (400S125-18/33)	24	5	L/240	14-2	(4320)	16-5	(5000)
4 (400S125-18/33)	24	5	L/360	12-4	(3760)	14-3	(4340)
4 (400S125-18/33)	16	5	L/120	17-2	(5230)	23-1	(7040)
4 (400S125-18/33)	16	5	L/240	15-4	(4670)	18-4	(5590)
4 (400S125-18/33)	16	5	L/360	13-4	(4060)	15-11	(4850)
6 (600S125-18/33)	24	5	L/120	16-9	(5110)	27-2	(8280)
6 (600S125-18/33)	24	5	L/240	16-9	(5110)	21-7	(6580)
6 (600S125-18/33)	24	5	L/360	16-9	(5110)	18-10	(5740)
6 (600S125-18/33)	16	5	L/120	19-9	(6020)	30-10	(9400)
6 (600S125-18/33)	16	5	L/240	19-9	(6020)	24-6	(7470)
6 (600S125-18/33)	16	5	L/360	17-11	(5770)	21-4	(6500)

Notes: The number following the stud depth is new industry-wide product identification, created by the Steel Stud Manufacturers Association; the number identifies the member depth, style, flange width and material thickness in mils.

1.)This limiting heights data is from ASTM C754. USG presents this information only as a reference, and will not be responsible for the performance of walls based on this table. Consult current information from ASTM C754 and SSMA
(Steel Stud Manufacturers Association ssma.com), and the stud manufacturers for limiting heights characteristics of their particular products.
2.)Limiting heights apply to walls constructed with minimum 1/2 (12.7 mm) thickness of gypsum board and with a minimum of one full-height layer on both sides of the stud framing.
3.)Limiting heights are based on tests conducted with gypsum board attached with screws spaced 12 (305 mm) o.c. to framing members

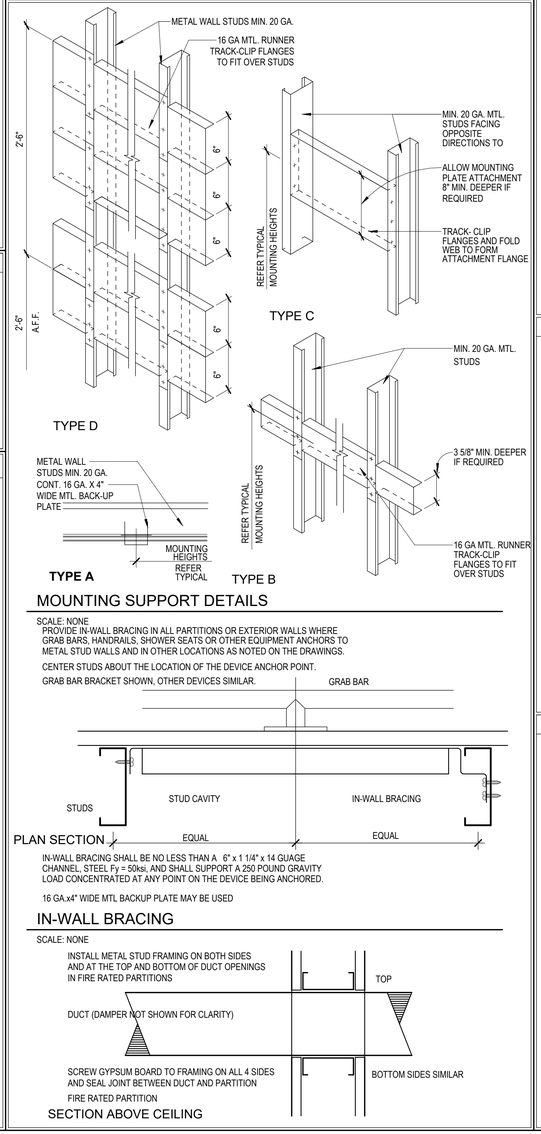
FIRE RATING NOTES

1. UNDERWRITERS LABORATORY AND OTHER TESTING AGENCY DESIGNATIONS INDICATED FOR FIRE RESISTIVE CONSTRUCTION ARE GIVEN FOR PURPOSES OF DESCRIBING CONSTRUCTION REQUIREMENTS ONLY AND ARE NOT INTENDED TO LIMIT MANUFACTURERS OF MATERIALS. COMPLY WITH THE CONSTRUCTION REQUIREMENTS OF THE INDICATED DESIGN.
2. ALL PARTITION TYPES SHOWN HERE ARE DRAWN AS "NON FIRE-RATED". WHERE FIRE RESISTIVE WALL CONSTRUCTION IS INDICATED, ON THE FLOOR PLANS, PROVIDE "TYPE X" GYPSUM WALLBOARD. AND FIRE RATED SEALANT AT PERIMETER JOINTS AND ALL PENETRATIONS, TYPICAL BOTH SIDES OF PARTITION AS INDICATED ON THE U.L. DETAILS AND ASSEMBLIES.
3. REFER TO SHEET(S) AX.XX THRU AX.XX FOR U.L. LISTED ASSEMBLIES.
4. REFER TO SHEET(S) AX.XX THRU AX.XX FOR THROUGH PENETRATION FIRESTOPPING; RATED JOINT SYSTEMS; AND A SCHEDULE OF LISTED ASSEMBLIES OR SYSTEMS.
5. REFER TO SHEET AX.XX FOR SHAFTWALL DETAILS.
6. REFER TO SHEET(S) AX.XX THRU AX.XX FOR ADDITIONAL PARTITION DETAILS.

GYPSUM BOARD PARTITION PRIORITY LEGEND

PARTITION	DOOR RATING	PRIORITY
FOUR HOUR FIRE PARTITION	3 HOUR - A LABEL	PRIORITY 1 - HIGHEST
TWO HOUR FIRE/SMOKE PARTITION	1 1/2 HOUR - B LABEL	PRIORITY 2
TWO HOUR FIRE PARTITION	1 1/2 HOUR - B LABEL	PRIORITY 3
ONE HOUR FIRE/SMOKE PARTITION	3/4 HOUR - C LABEL	PRIORITY 4
ONE HOUR FIRE PARTITION	3/4 HOUR - C LABEL	PRIORITY 5
ONE HOUR FIRE PARTITION	20 MIN RATING	PRIORITY 6
NON-RATED PARTITION	NONE	PRIORITY 7 - LOWEST

PARTITION DETAILS



MOUNTING SUPPORT DETAILS

SCALE: NONE

PROVIDE IN-WALL BRACING IN ALL PARTITIONS OR EXTERIOR WALLS WHERE GRAB BARS, HANDRAILS, SHOWER SEATS OR OTHER EQUIPMENT ANCHORS TO METAL STUD WALLS AND IN OTHER LOCATIONS AS NOTED ON THE DRAWINGS.

CENTER STUDS ABOUT THE LOCATION OF THE DEVICE ANCHOR POINT.

IN-WALL BRACING SHALL BE NO LESS THAN A 6" x 1 1/4" x 14 GUAGE CHANNEL, STEEL Fy = 50ksi, AND SHALL SUPPORT A 250 POUND GRAVITY LOAD CONCENTRATED AT ANY POINT ON THE DEVICE BEING ANCHORED.

16 GA.x4" WIDE MTL BACKUP PLATE MAY BE USED

IN-WALL BRACING

SCALE: NONE

SECTION ABOVE CEILING

PARTITION LEGEND

THE FIRST 3 DIGITS OF EACH PARTITION TYPE TAG DESCRIBE THE TYPE OF PARTITION, THE THIRD DIGIT/LETTER INDICATES THE NOMINAL THICKNESS OF THE METAL STUD OR MASONRY. THE LAST NUMERIC DIGIT INDICATES THE HOURLY "FIRE RESISTIVE RATING" REQUIRED OF THAT PARTITION.

PARTITION TAG: B14 0

TYPE OF PARTITION:
- "A" = MTL STUD-SINGLE LAYER GYP. WALL
- "B" = MTL STUD-MULTI LAYBER GYP. WALL
- "C" = CHASE WALL
- "F" = FURRING WALL
- "M" = MASONRY OR MASONRY W/ FURRING
- "P" = PARTIAL HEIGHT STUD WALL
- "S" = SHAFT WALL
- "T" = TEMPORARY WALL
- "Y" = SECURITY WALL

THICKNESS OF PARTITION FRAMING COMPONENT:
- "0" = 7/8" METAL STUD
- "1" = 1 5/8" METAL STUD
- "2" = 2 1/2" METAL STUD
- "3" = 3 5/8" METAL STUD
- "4" = 4" METAL STUD, 3 5/8" CMU, 3 1/2" WOOD
- "6" = 6" METAL STUD, 5 5/8" CMU, 5 1/2" WOOD
- "8" = 8" METAL STUD, 7 5/8" CMU, 7 1/2" WOOD
- "12" = 11 5/8" CMU, 11 1/4" WOOD

FIRE RATING REQUIREMENT ("0" or BLANK FOR NO RATING)
- "0"= NO RATING
- "5"= 30 MIN. RATING
- "1"= 1 HR RATING
- "2"= 2 HR RATING
- "3"= 3 HR RATING

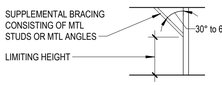
GENERAL NOTES

1. ALL POSSIBLE VARIATIONS OF PARTITIONS TYPES AND U.L. FIRE RATINGS ARE NOT NECESSARILY UTILIZED IN THIS PROJECT AND ARE SHOWN FOR REFERENCE ONLY UNLESS RATED PARTITIONS ARE INDICATED ON THE FLOOR PLANS . WHERE U.L. RATED PARTITIONS ARE INDICATED, REFER TO FLOOR PLANS AND PROVIDE FIRE SEALANT AT THOSE LOCATIONS AS REQUIRED.
2. WHERE FULL HEIGHT PARTITIONS ARE PERPENDICULAR TO SPAN OF STRUCTURAL JOISTS OR GIRDERS, THE PARTITION SHALL EXTEND TO THE UNDERSIDE OF STRUCTURE AND FOLLOW THE LINE OF STRUCTURE.
3. PROVIDE CEMENTITIOUS BACKER BOARD ON ALL WALLS TO RECEIVE CERAMIC TILE FINISH. PROVIDE WATER RESISTANT GYPSUM PANELS ON CEILINGS IN ROOMS THAT INCLUDE SHOWERS. FRAMING NOT TO EXCEED SPACING RECOMMENDED BY MANUFACTURER.
4. PROVIDE ONE LAYER OF 5/8" MOISTURE RESISTANT GYPSUM BOARD AT WALLS BEHIND SINKS AND LAVATORIES WITHOUT TILE. MOISTURE RESISTANT GYPSUM BOARD SHALL BE INSTALLED WITHIN 2' OF ALL URINALS AND WATER CLOSETS, TO A HEIGHT OF 4' AFF.
5. WHERE FIRE RESISTIVE CONSTRUCTION IS INDICATED, PROVIDE TYPE X-W/R BOARD. IN CONDITIONS WHERE NOTE 3 AND 4 APPLY, INSTALL 1 LAYER OF APPLICABLE MOISTURE RESISTANT BOARD OR CEMENTITIOUS BACKER BOARD OVER THE TYPE X-W/R BOARD. INSTALL PER MANUFACTURER LIMITATIONS.
6. STC RATINGS SHOWN FOR SOUND WALLS ARE BASED ON LABORATORY TESTED ASSEMBLIES AND DO NOT NECESSARILY INDICATE THE ACTUAL STC RATING OF THE COMPLETED WORK. PROVIDE MTL. DECK FILLERS WHERE FULL HEIGHT PARTITIONS ARE PERPENDICULAR TO SPAN OF DECK. DECK FILLERS ARE TO BE COMPATIBLE WITH ALL FIRE RATED ASSEMBLIES AND ARE TO BE APPROVED BY ALL GOVERNING AGENCIES.
7. PROVIDE FIRE TREATED WOOD BLOCKING, SHEET METAL OR STEEL BACKING IN PARTITIONS TO SUPPORT WALL MOUNTED ITEMS AND EQUIPMENT, ETC.
8. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

COLD FORMED FRAMING NOTES

ALL METAL STUDS TO BE 20 ga. AND PLACED AT 16 INCHES O.C. UNLESS NOTED OTHERWISE OR WHERE THE LIMITING HEIGHT REQUIRES 16ga AT 16" O.C.

1. ALL FURRING CHANNELS TO BE 25 ga. AND PLACED AT 16 INCHES O.C. UNLESS NOTED OTHERWISE.
2. PARTITIONS SUPPORTING WALL HUNG PLUMBING FIXTURES SHALL BE 16 ga. AND PLACED 16 INCHES O.C.
3. REFER TO STRUCTURAL DRAWINGS FOR STUD ga. SIZE AND SPACING FOR ALL STRUCTURALLY DESIGNED PARTITIONS.
4. REFER TO ASTM C754 FOR LIMITING HEIGHTS CRITERIA. LIMITING HEIGHTS ARE TO BE DETERMINED BY DEFLECTION CRITERIA RATIO OF L/240, AND LATERAL PRESSURE OF 5 PSF UNLESS NOTED OTHERWISE OR DICTATED OTHERWISE BY PRESIDING BUILDING CODE. WHERE FLOOR TO STRUCTURE HEIGHT OF PARTITION EXCEEDS THE INDICATED LIMITING HEIGHT, PROVIDE SUPPLEMENTAL BRACING TO THE STRUCTURE OVERHEAD AS REQUIRED TO MAINTAIN REQUIRED DEFLECTION RATIO.
5. FOR PARTITIONS WITH "BRITTLE" FINISHES SUCH AS PLASTER AND CERAMIC TILE, DESIGN PARTITION SYSTEM TO MAINTAIN DEFLECTION RATIO WITHIN L/360. SUSPENDED CEILINGS SHALL NOT BE CONSIDERED AS BRACING.



ACOUSTICAL NOTES

1. ALL ACOUSTICALLY CLASSED PARTITIONS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE TO THE REFERENCED TEST.
2. STAGGER AND SEAL ALL JOINTS ON MULTIPLE GYPSUM BOARD LAYER PARTITIONS.
3. SEAL ALL PERIMETER GAPS, AIR TIGHT, AT THE FLOORS, HEAD, ADJACENT CONSTRUCTION AND AROUND ANY PENETRATING ELEMENTS WITH INTERIOR GRADE ACOUSTICAL SEALANT.
4. ALL BATTS AND BLANKETS IN RATED WALLS MUST BEAR THE REQUIRED U.L. CLASSIFICATION MARKING AS TO FIRE-RESISTANCE. ALSO REFER TO CODE COMPLIANCE DETAILS IN A-010 SERIES.
5. AT ACOUSTICALLY RATED PARTITIONS, DO NOT FILL THE STUD CAVITY (DEPTH) FULLY WITH SOUND BATTS. THE WIDTH OF THE SOUND BATTS SHOULD BE SLIGHTLY SMALLER THAN CAVITY TO AVOID BATTS COMPRESSION. HOWEVER, THE ENTIRE LENGTH AND HEIGHT OF THE WALL SHOULD HAVE CONTINUOUS AND UNINTERRUPTED SOUND ATTENUATION BATTS.
6. REFER TO DETAILS 9,10, 11 AND 12 ON SHEET A-8102 FOR PARTITION TYPES WITH A DESIGNATED STC RATING.
7. SEAL ALL WALL INTERSECTIONS AND CONTROL JOINTS AT ACOUSTICALLY CLASSED PARTITIONS IN ACCORDANCE TO DETAIL 12/ A-8102.
8. SEAL ALL CONDUIT, STRUCTURAL, DUCT AND LARGE PIPE PENETRATIONS ACCORDING TO 9/A-8102 UNLESS THE PARTITION IS ALSO FIRE RATED WHERE THE CODE COMPLIANCE DETAILS ON THE A-010 SERIES SHOULD BE REFERENCED.
9. OUTLETS ON OPPOSITE SIDES OF ACOUSTICALLY CLASSED PARTITIONS .

No.	REVISIONS	DATE	BY

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PROJECT NUMBER R10031144.00
DATE 04/16/2021
As Indicated
DESIGNED BY PH
DRAWN BY JR
CHECKED BY JW

PARTITION TYPES

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
A010

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INTERIOR FINISHES

WALL FINISHES

INTERIOR PAINT

PT-1
LOCATION: ALL WALLS U.N.O., RE: FINISH SCHED.
MANUFACTURER: SHERWIN WILLIAMS
COLOR/STYLE: PURE WHITE - SW 7005
FINISH: EGGSHELL

PT-2
LOCATION: H.M. DOORS & DOOR FRAMES
MANUFACTURER: SHERWIN WILLIAMS
COLOR/STYLE: ON THE ROCKS - SW 7671
FINISH: SEMI-GLOSS

PT-3 EPOXY PAINT
LOCATION: CAR WASH BAYS
MANUFACTURER: SHERWIN WILLIAMS
COLOR/STYLE:
FINISH: SEMI-GLOSS

CBG-1 FIREPROOFING PRIMER / SEALER
LOCATION: CAR WASH BAYS
MANUFACTURER: CARBOLINE
COLOR/STYLE: CARBOGUARD 1340
FINISH: SEMI-GLOSS

CWT-1 CERAMIC WALL TILE
LOCATION: RESTROOMS
MANUFACTURER: DALTILE
COLOR/STYLE: COLOR WHEEL CLASSIC - ARCTIC WHITE-0190
SIZE: 3 x 6
REMARKS: GROUT TO BE MAPEI - 107 IRON

CWT-2 CERAMIC WALL TILE
LOCATION: 48" AT RESTROOMS / AT MOP SINK
MANUFACTURER: DALTILE
COLOR/STYLE: COLOR WHEEL CLASSIC - DESERT GRAY-X114
SIZE: 3 x 6
REMARKS: GROUT TO BE MAPEI - 107 IRON
ADDITIONAL REMARKS: AT JANITORS CLOSET MOP SINK, TILE TO BE INSTALLED TO 4'-0"H AFF. TILE TO EXTEND BEYOND MOP SINK BY 1'-0". TILE TO BE INSTALLED WITH APPROPRIATE BULLNOSE AND TRIM TILE AS NEEDED. GROUT TO BE EPOXY GROUT, COLOR: TBD.

WB-1 RUBBER BASE
LOCATION: OFFICE AREA, STORAGE AREAS
MANUFACTURER: ROPPE
COLOR/ STYLE: 700 SERIES - 174 SMOKE
SIZE: 4"

EPB-1 EPOXY QUARTZ INTEGRAL BASE
LOCATION: RESTROOMS
MANUFACTURER: STONHARD
COLOR/STYLE: STONTEC ERF - WHITE PLATINUM, SMALL FLAKES
REMARKS: 4" INTEGRAL BASE

RB-1 POLYURETHANE RESIN BASE
LOCATION: CAR WASH BAYS (ALL LOCATIONS OF CBG-1)
MANUFACTURER: KEMPER
COLOR/STYLE: KEMPEROL 2K-PUR
REMARKS: 10" REINFORCED AND LIQUID APPLIED POLYURETHANE RESIN COVE BASE AND SEALANT

INTERIOR FINISHES

CEILING FINISHES

ACOUSTICAL CEILING TILE

ACT-1
LOCATION: OFFICE AREA, BREAK ROOM & RESTROOMS (RE: RCPS)
MANUFACTURER: ARMSTRONG
COLOR/STYLE: ULTIMA - WHITE
NOTES: 9/16 BEVELED TEGULAR, SUPRAFINE 9/16"
SIZE: 24"X24"

OPEN TO STRUCTURE

STR
LOCATION: STORAGE AREAS, ELEC ROOM, VACUUM ROOM, & CAR WASH BAYS (RE: RCPS)
MANUFACTURER: SHERWIN WILLIAMS
COLOR/STYLE: SW 7006 EXTRA WHITE
FINISH: GYP. BD. : FLAT
STRUCTURAL STEEL : SEMI GLOSS

MISCELLANEOUS

PLASTIC LAMINATE SURFACES

PL-1
LOCATION: MILLWORK - VERTICAL SURFACES
MANUFACTURER: FORMICA
COLOR/STYLE: 8841 - WR - WHITE ASH

SOLID SURFACES

SS-1
LOCATION: COUNTER SURFACES AT BREAK ROOM AND RESTROOM
MANUFACTURER: FORMICA
COLOR/STYLE: 758 BIANCO MINERAL

SS-2
LOCATION: ALL INT. WINDOW SILLS, U.N.O.
MANUFACTURER: FORMICA
COLOR/STYLE: 102 ARCTIC

CORNER GUARD

CG-1
LOCATION: GYPSUM BOARD CORNERS
MANUFACTURER: INPRO
COLOR/STYLE: TAPE-ON - FINISH TO MATCH ADJ. WALL(S)
SIZE: 2" X 4"

INTERIOR FINISHES

FLOOR FINISHES

CARPET

CPT-1
LOCATION: OFFICE AREA
MANUFACTURER: INTERFACE
COLOR/STYLE: NATURALLY WEATHERED - 106023 - SLATE GREY

EP-1 EPOXY QUARTZ
LOCATION: RESTROOMS & JANITORS
MANUFACTURER: STONHARD
COLOR/STYLE: STONTEC ERF - WHITE PLATINUM, SMALL FLAKES
REMARKS: 4" INTEGRAL BASE

QF-1 QUARTZ
LOCATION: ADMIN AREAS
MANUFACTURER: KAHRS
COLOR/STYLE: QUARTZ MOSAIC - 8314 - QUARTZ THUNDER

SC-1 SEALED CONCRETE
LOCATION: STORAGE AREAS, ELEC ROOM, & CAR WASH EQUIPMENT ROOM, CAR WASH BAYS
MANUFACTURER: EUCLID CHEMICAL
COLOR/STYLE: EUCO DIAMOND HARD

SC-2 COLOR BROADCAST SEALEDCONCRETE
LOCATION: SHARED BREAKROOM
MANUFACTURER: SURECRETE
COLOR/STYLE: TBD/SURE CAST
REMARKS: SEAL WITH EUCLID CHEMICAL EUCO DIAMOND HARD

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISHES					CEILING		COMMENTS
				ALL	NORTH	EAST	SOUTH	WEST	HEIGHT	FINISH	
100	ADMIN AREA	QF-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	10' - 0"	ACT-1	
101	OFFICE	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
102	OFFICE	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"		
102	OFFICE	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
103	OFFICE	CPT-1	WB-1	PT-1					9' - 0"	ACT-1	
104	RESTROOM	EP-1	EPB-1	CWT-1	CWT-1	CWT-1	CWT-1	CWT-1	9' - 0"	GWB-1	CWT-2 48" A.F.F. (RE: ELEVATIONS)
105	RESTROOM	EP-1	EPB-1	CWT-1	CWT-1	CWT-1	CWT-1	CWT-1	9' - 0"	GWB-1	CWT-2 48" A.F.F. (RE: ELEVATIONS)
106	JAN	EP-1	EPB-1	PT-1	CWT-1, PT-1	CWT-1, PT-1	PT-1	PT-1	9' - 0"	ACT-1	CWT-2 AT MOP SINK
107	IT ROOM	SC-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
108	MAINTENANCE BAYS	SC-1	RB-1	-	PT-3	CBG-1	CBG-1	PT-3	OPEN TO STR.	--	
109	CAR WASH BAYS	SC-1	RB-1	-	PT-3	CBG-1	PT-3	CBG-1	OPEN TO STR.	--	
110	CAR WASH EQUIP ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
111	STORAGE / W&D ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
112	ELECTRICAL ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
113	VACUUM ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
114	WWF ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
115	RESTROOM	EP-1	EPB-1	CWT-1	CWT-1	CWT-1	CWT-1	CWT-1	9' - 0"	ACT-1	CWT-2 48" A.F.F. (RE: ELEVATIONS)
120	FUELING CANOPY	--	--	--	--	--	--	--	--		
200	ADMIN AREA	QF-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	10' - 0"	ACT-1	
201	OFFICE	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
202	OFFICE	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
203	OFFICE	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
204	RESTROOM	EP-1	EPB-1	CWT-1	CWT-1	CWT-1	CWT-1	CWT-1	9' - 0"	GB-1	CWT-2 48" A.F.F. (RE: ELEVATIONS)
205	RESTROOM	EP-1	EPB-1	CWT-1	CWT-1	CWT-1	CWT-1	CWT-1	9' - 0"	GB-1	CWT-2 48" A.F.F. (RE: ELEVATIONS)
206	JAN	EP-1	EPB-1	PT-1	CWT-1, PT-1	CWT-1, PT-1	PT-1	PT-1	9' - 0"	ACT-1	CWT-2 AT MOP SINK
207	IT ROOM	SC-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
208	MAINTENANCE BAYS	SC-1	RB-1	-	PT-3	CBG-1	CBG-1	PT-3	OPEN TO STR.	--	
209	CAR WASH BAYS	SC-1	RB-1	-	PT-3	CBG-1	PT--3	CBG-1	OPEN TO STR.	--	
210	CAR WASH EQUIP ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
211	STORAGE/ W&D ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
212	ELECTRICAL ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
213	VACUUM ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
214	WWF ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
215	RESTROOM	EP-1	EPB-1	CWT-1	CWT-1	CWT-1	CWT-1	CWT-1	9' - 0"	GB-1	CWT-2 48" A.F.F. (RE: ELEVATIONS)
220	FUELING CANOPY	--	--	--	--	--	--	--	--		
300	ADMIN AREA	QF-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	10' - 0"	ACT-1	
301	OFFICE	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
302	OFFICE	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
303	JAN	EP-1	EPB-1	CWT-1	CWT-1, PT-1	CWT-1, PT-1	PT-1	PT-1	9' - 0"	ACT-1	CWT-2 AT MOP SINK
304	RESTROOM	EP-1	EPB-1	CWT-1	CWT-1	CWT-1	CWT-1	CWT-1	9' - 0"	GB-1	CWT-2 48" A.F.F. (RE: ELEVATIONS)
305	IT ROOM	SC-1	WB-1	PT-1	PT-1	PT-1	PT-1	PT-1	9' - 0"	ACT-1	
306	MAINTENANCE BAYS	SC-1	RB-1	-	PT-3	CBG-1	CBG-1	PT-3	OPEN TO STR.	--	
307	CAR WASH BAYS	SC-1	RB-1	-	PT-3	CBG-1	PT--3	CBG-1	OPEN TO STR.	--	
308	CAR WASH EQUIP ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
309	STORAGE/ W&D ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
310	ELECTRICAL ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
311	VACUUM ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
312	WWF ROOM	SC-1	WB-1	PT-1					OPEN TO STR.	--	
313	RESTROOM	EP-1	EPB-1	CWT-1	CWT-1	CWT-1	CWT-1	CWT-1	9' - 0"	GB-1	CWT-2 48" A.F.F. (RE: ELEVATIONS)
320	FUELING CANOPY	--	--	--	--	--	--	--	--	--	

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1425 ELLSWORTH
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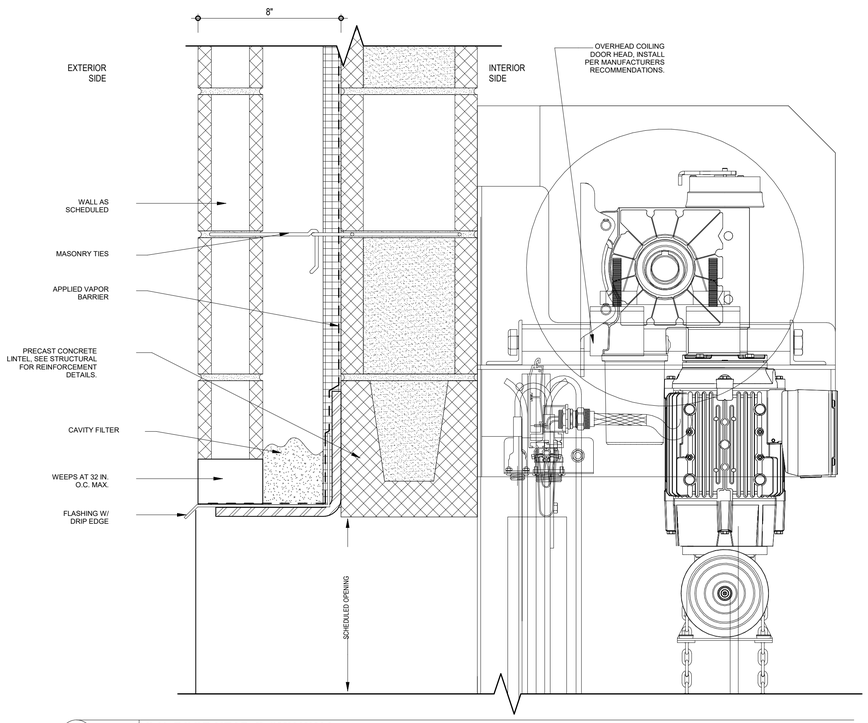
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FL LICENSE NUMBER
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PROJECT NUMBER	DATE		DESIGNED BY	DRAWN BY	CHECKED BY
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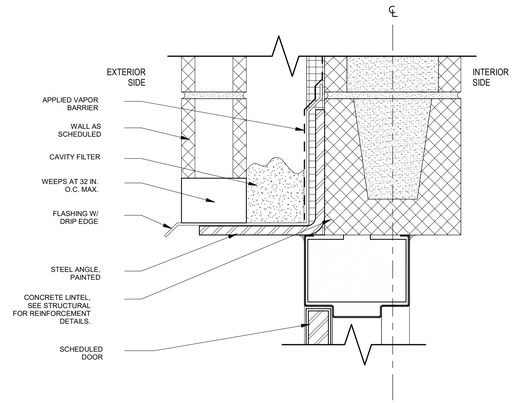
FINISH SCHEDULE & FINISH LEGEND

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

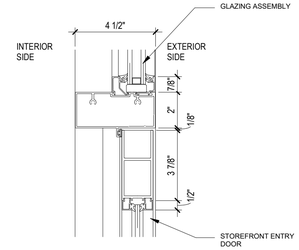
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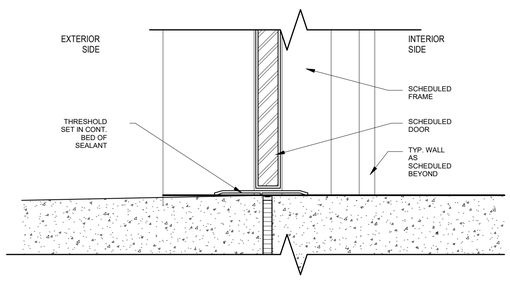
3B 3" = 1'-0" **O.H. DOOR HEAD @ CMU WALL**



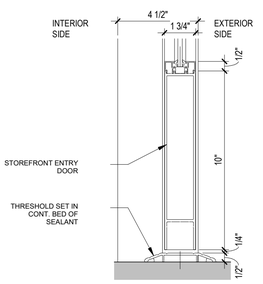
2C 3" = 1'-0" **TYP. WEEP DETAIL @ DOOR HEAD**



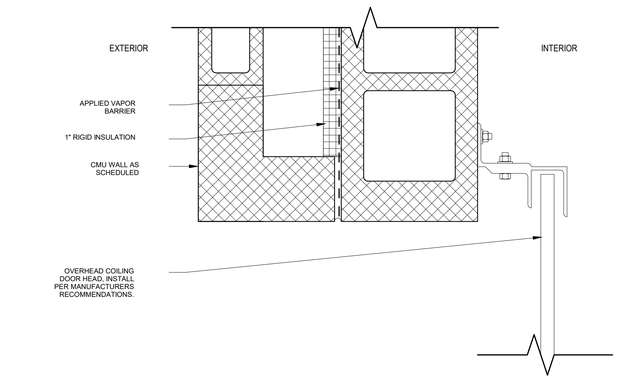
1D 3" = 1'-0" **STOREFRONT DOOR HEAD DETAIL**



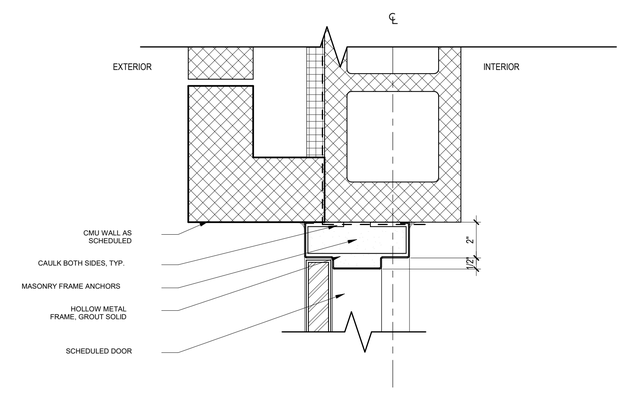
2B 3" = 1'-0" **TYP. H.M. DOOR SILL @ CMU WALL**



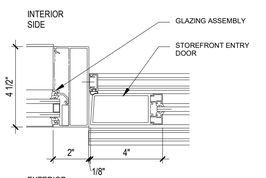
1C 3" = 1'-0" **STOREFRONT DOOR SILL DETAIL**



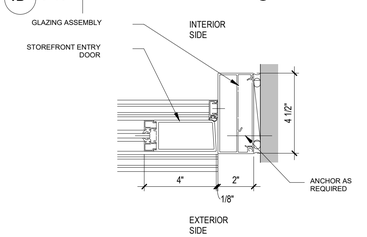
3A 3" = 1'-0" **O.H. DOOR JAMB @ CMU WALL**



2A 3" = 1'-0" **TYP. H.M. DOOR JAMB @ CMU WALL**



1B 3" = 1'-0" **STOREFRONT DOOR JAMB @ SIDELITE DETAIL**



1A 3" = 1'-0" **STOREFRONT DOOR JAMB @ WALL DETAIL**

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FITZGERALD COLLABORATIVE GROUP, LLC
#27647

LICENSED PROFESSIONAL

ENGARCHNAME

FL LICENSE NUMBER XXXXX

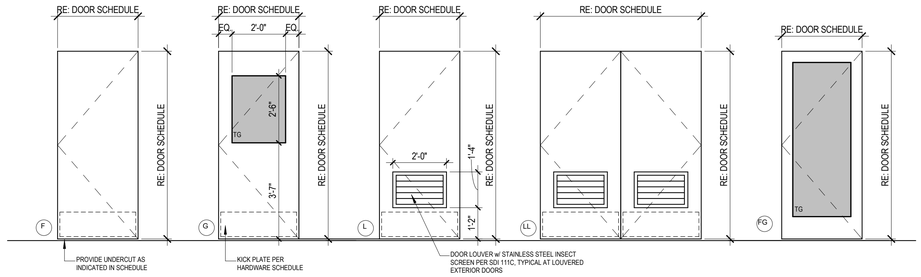
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R1003144.00	JAN 2025	3" = 1'-0"	-	-	-

DOOR DETAILS

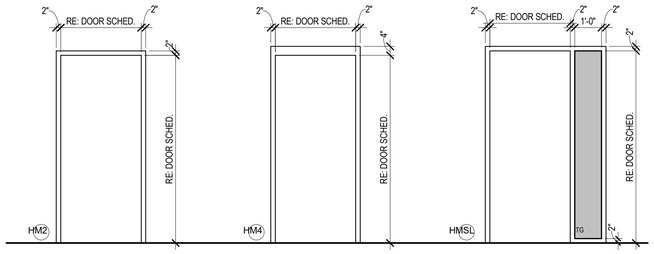
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TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
A030

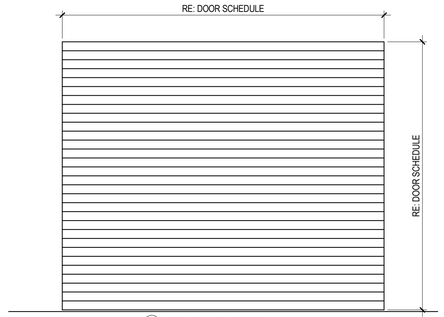
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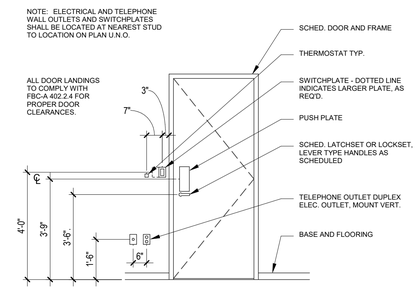
DOOR PANEL TYPES - HOLLOW METAL



DOOR FRAME ELEVATIONS - HOLLOW METAL



DOOR PANEL ELEVATIONS - OVERHEAD



STANDARD MOUNTING HEIGHTS

EXTERIOR DOOR SCHEDULE - STOREFRONT

DOOR NUMBER	DOOR						FRAME			HEAD DETAIL	JAMB DETAIL	SILL DETAIL	GENERAL	HARDWARE SET NO.
	TYPE	WIDTH	HEIGHT	THK	MAT'L	FINISH	TYPE	MAT'L	FINISH					
101	FG	3'-0"	7'-0"		ALUM.	CLEAR ANODIZED		ALUM.	CLEAR ANODIZED	1D / A030	1A & 1B/A030	1C / A030	STOREFRONT ENTRY DOOR, CARD READER	Set 1.0
201	FG	3'-0"	7'-0"		ALUM.	CLEAR ANODIZED		ALUM.	CLEAR ANODIZED	1D / A030	1A & 1B/A030	1C / A030	STOREFRONT ENTRY DOOR, CARD READER	Set 1.0
301	FG	3'-0"	7'-0"		ALUM.	CLEAR ANODIZED		ALUM.	CLEAR ANODIZED	1D / A030	1A & 1B/A030	1C / A030	STOREFRONT ENTRY DOOR, CARD READER	Set 1.0

ALUMINUM FRAMED ENTRANCES AND STOREFRONTS

SF-1 LOCATION: ALUMINUM STOREFRONT
MANUFACTURER: YKK
TYPE: YES 45 TU, FRONT SET
FINISH: YS1N, CLEAR ANODIZED PLUS

EXTERIOR DOOR SCHEDULE - HOLLOW METAL

DOOR NUMBER	DOOR						FRAME			HEAD DETAIL	JAMB DETAIL	SILL DETAIL	GENERAL	HARDWARE SET NO.
	TYPE	WIDTH	HEIGHT	THK	MAT'L	FINISH	TYPE	MAT'L	FINISH					
102	F	3'-0"	7'-0"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030	CARD READER	Set 4.0
110	F	3'-0"	7'-0"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030	CARD READER	Set 4.0
111	G	3'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 5.0
112	F	3'-8"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030	45 MIN / PANIC HARDWARE / CARD READER	Set 3.0
113	LL	6'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 2.0
114	L	3'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 5.0
115	L	3'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 6.0
202	F	3'-0"	7'-0"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030	CARD READER	Set 4.0
210	F	3'-0"	7'-0"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030	CARD READER	Set 4.0
211	G	3'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 5.0
212	F	3'-8"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030	45 MIN / PANIC HARDWARE / CARD READER	Set 3.0
213	LL	6'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 2.0
214	L	3'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 5.0
215	L	3'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 6.0
302	F	3'-0"	7'-0"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030	CARD READER	Set 4.0
308	F	3'-0"	7'-0"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030	CARD READER	Set 4.0
309	G	3'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 5.0
310	F	3'-8"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030	45 MIN / PANIC HARDWARE / CARD READER	Set 3.0
311	LL	6'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 2.0
312	L	3'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 4.0
313	L	3'-0"	7'-2"	1 3/4"	HM	EPT-3	HM4	HM	EPT-3	6/A030	5/A030	7/A030		Set 6.0

EXTERIOR DOOR SCHEDULE - OVERHEAD

DOOR NUMBER	DOOR						FRAME			HEAD DETAIL	JAMB DETAIL	SILL DETAIL	GENERAL	HARDWARE SET NO.
	TYPE	WIDTH	HEIGHT	THK	MAT'L	FINISH	TYPE	MAT'L	FINISH					
103	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
104	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
105	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
106	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT	DOOR SENSOR	Set 14.0
107	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT	DOOR SENSOR	Set 14.0
108	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT	DOOR SENSOR	Set 14.0
109	OH	10'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
116	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
117	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
118	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
203	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
204	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
205	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
206	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT	DOOR SENSOR	Set 14.0
207	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT	DOOR SENSOR	Set 14.0
208	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT	DOOR SENSOR	Set 14.0
209	OH	10'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
216	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
217	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
218	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
303	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
304	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	5/A030	RE: STRUCT		Set 14.0
305	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT	DOOR SENSOR	Set 14.0
306	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT	DOOR SENSOR	Set 14.0
307	OH	10'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
314	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0
315	OH	12'-0"	10'-0"	3/4"	ALUM.	EPT-4	-	ALUM.	EPT-4	10/A030	9/A030	RE: STRUCT		Set 14.0

INTERIOR DOOR SCHEDULE

DOOR NUMBER	DOOR						FRAME			HEAD DETAIL	JAMB DETAIL	SILL DETAIL	GENERAL	HARDWARE SET NO.
	TYPE	WIDTH	HEIGHT	THK	MAT'L	FINISH	TYPE	MAT'L	FINISH					
100	G	3'-0"	7'-2"	1 3/4"	HM	PT-3	HM4	HM	PT-3					Set 13.0
101A	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HMSL	HM	PT-3					Set 9.0
101B	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HMSL	HM	PT-3					Set 9.0
101C	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HMSL	HM	PT-3					Set 9.0
101D	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3				UNDERCUT	Set 11.0
101E	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3				UNDERCUT	Set 11.0
101F	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3				UNDERCUT	Set 8.0
101G	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3					Set 7.0
108A	-	5'-0"	7'-4"	-	-	-	-	-	-	-	-	-	DOOR OPENING	-
200	G	3'-0"	7'-2"	1 3/4"	HM	PT-3	HM4	HM	PT-3					Set 13.0
201A	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HMSL	HM	PT-3					Set 9.0
201B	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HMSL	HM	PT-3					Set 9.0
201C	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HMSL	HM	PT-3					Set 9.0
201D	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3				UNDERCUT	Set 11.0
201E	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3				UNDERCUT	Set 11.0
201F	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3				UNDERCUT	Set 8.0
201G	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3					Set 7.0
210A	-	5'-0"	7'-4"	-	-	-	-	-	-	-	-	-	DOOR OPENING	-
300	G	3'-0"	7'-2"	1 3/4"	HM	PT-3	HM4	HM	PT-3					Set 13.0
301A	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HMSL	HM	PT-3					Set 9.0
301B	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HMSL	HM	PT-3					Set 9.0
301C	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3				UNDERCUT	Set 8.0
301D	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3				UNDERCUT	Set 11.0
301E	F	3'-0"	7'-0"	1 3/4"	HM	PT-3	HM2	HM	PT-3					Set 7.0
308A	-	5'-0"	7'-4"	-	-	-	-	-	-	-	-	-	DOOR OPENING	-

No.	REVISIONS	DATE	BY

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TALLAHASSEE, FL 32301
FITZGERALD COLLABORATIVE GROUP, LLC
#27647

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ENGINEER NAME
FL LICENSE NUMBER
XXXXX

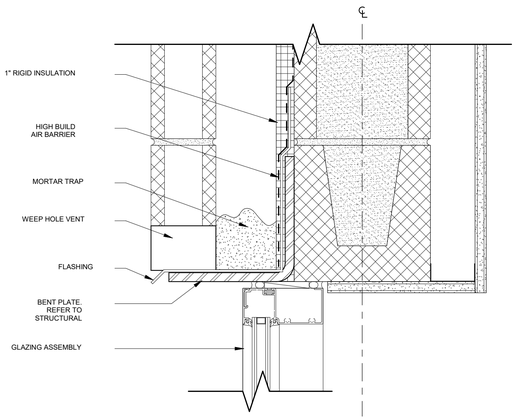
PROJECT NUMBER
R1003144.00
DATE
JAN 2025
N.T.S.
DESIGNED BY -
DRAWN BY -
CHECKED BY -

DOOR DETAILS & DOOR SCHEDULE

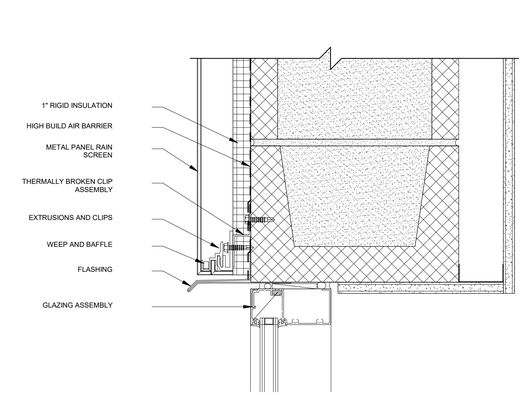
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A031

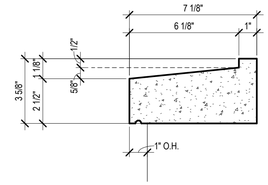
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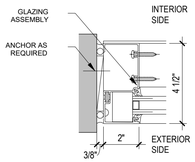
C3 3" = 1'-0" HEAD DETAIL - WINDOW @ MASONRY VENEER



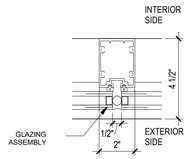
B3 3" = 1'-0" HEAD DETAIL - WINDOW @ METAL WALL PANEL



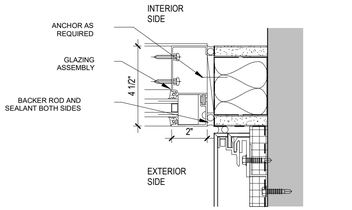
C4 3" = 1'-0" CAST STONE PROFILE



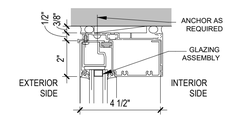
A4 3" = 1'-0" JAMB DETAIL



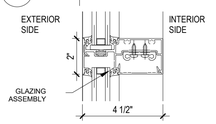
A5 3" = 1'-0" VERTICAL DETAIL



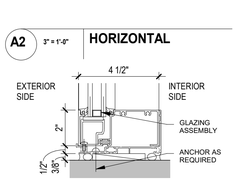
A6 3" = 1'-0" OPP. JAMB DETAIL

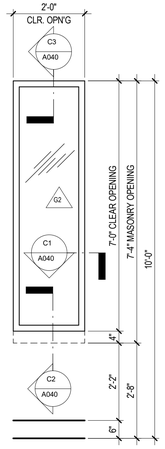


A3 3" = 1'-0" HEAD

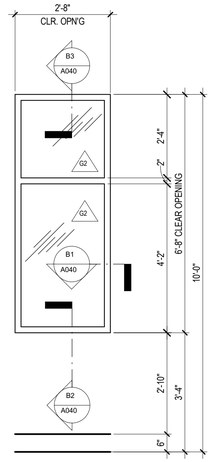


A2 3" = 1'-0" HORIZONTAL

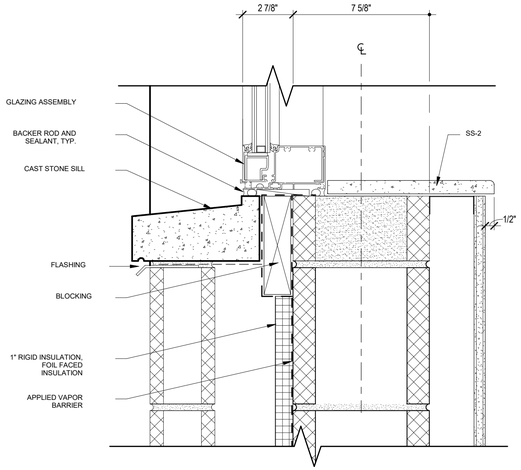




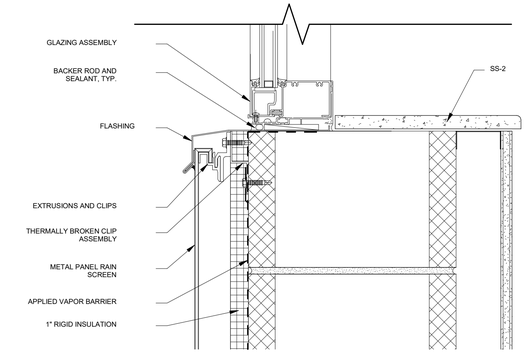
C OFFICE WINDOW (MASONRY VENEER)



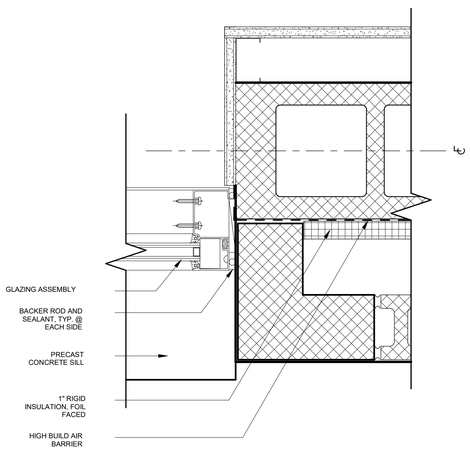
B OFFICE WINDOW (METAL WALL PANEL)



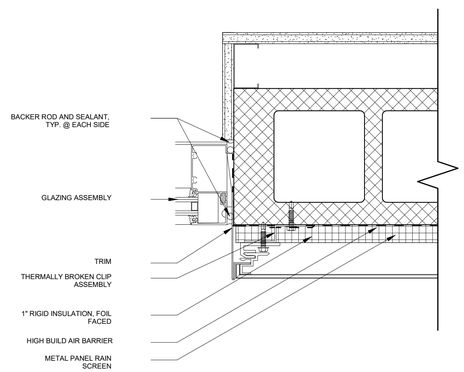
C2 3" = 1'-0" SILL DETAIL - WINDOW @ MASONRY VENEER



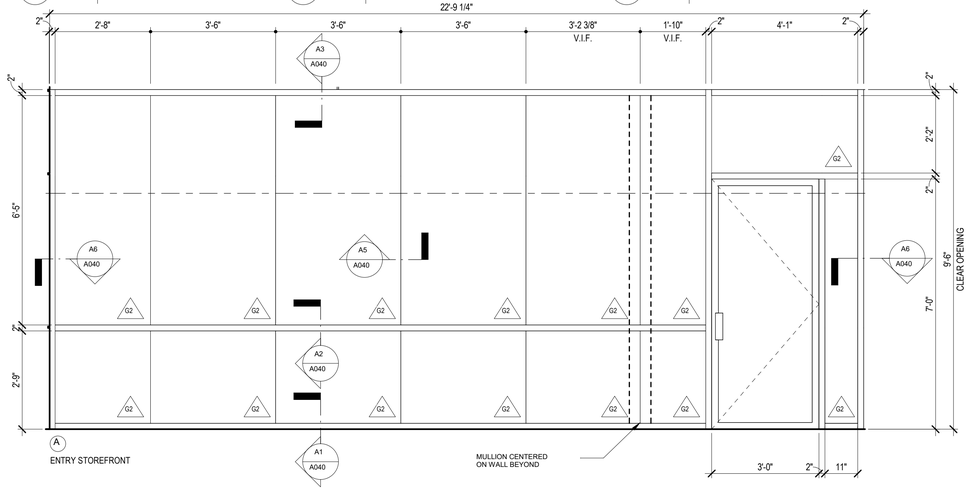
B2 3" = 1'-0" SILL DETAIL - WINDOW @ METAL WALL PANEL



C1 3" = 1'-0" JAMB DETAIL - WINDOW @ MASONRY VENEER



B1 3" = 1'-0" JAMB DETAIL -WINDOW @ METAL WALL PANEL



A ENTRY STOREFRONT

MULLION CENTERED ON WALL BEYOND

A1 3" = 1'-0" SILL

C N.T.S. TYPE C

B N.T.S. TYPES B

A 1/2" = 1'-0" ALUMINUM STOREFRONT - TYPE A

LEGEND

TYPES

G2

DESCRIPTION: VITRO INSULATED GLASS UNIT
INSIDE LITE: CLEAR
OUTSIDE LITE: SOLARBAN 70 (2)
COMMENTS: OPTIGRAY, TEMPERED

ALUMINUM FRAMED ENTRANCES AND STOREFRONTS

SF-1
LOCATION: ALUMINUM STOREFRONT
MANUFACTURER: YKK
TYPE: YES 45 TU, FRONT SET
FINISH: YS1N, CLEAR ANODIZED PLUS

No.	REVISIONS	DATE	BY

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TALLAHASSEE, FL 32301
FITZGERALD COLLABORATIVE GROUP, LLC
#27647

LICENSED PROFESSIONAL
ENGINEER NAME
FL LICENSE NUMBER XXXXX

PROJECT NUMBER	DESIGNED BY	-
R1003144.00		
DATE	DRAWN BY	-
JAN 2025		
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WINDOW DETAILS

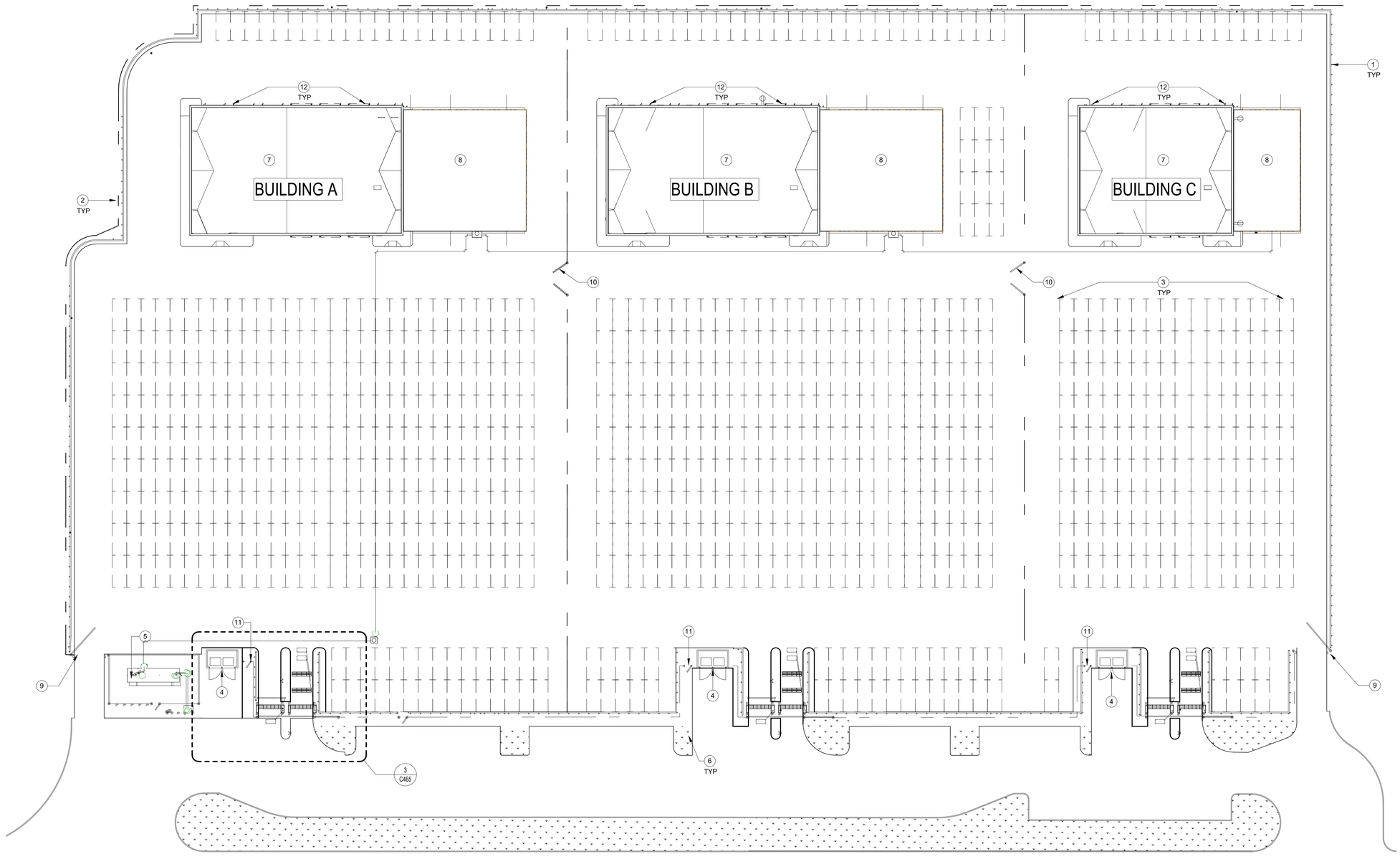
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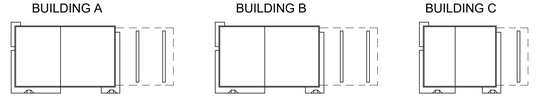
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NOTES:

1. GUARDRAIL - RE: CIVIL DRAWINGS
2. PERIMETER FENCE - RE: CIVIL DRAWINGS
3. PAVEMENT MARKINGS
4. DUMPSTER & DUMPSTER ENCLOSURE
5. ABOVEGROUND STORAGE FUEL TANK - RE: FUELING DRAWINGS
6. CONCRETE CURB - RE: CIVIL DRAWINGS
7. CAR WASH & SUPPORT BUILDING
8. FUEL CANOPY
9. CRASH GATE - RE: CIVIL DRAWINGS
10. INTERNAL SWING GATE - RE: CIVIL DRAWINGS
11. PEDESTRIAN GATE
12. CONCRETE FILLED STEEL BOLLARD - RE: CIVIL DRAWINGS





SITE KEY

1 1/32" = 1'-0" **SITE PLAN**

No.	REVISIONS	DATE	BY

Kimley»Horn
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TALLAHASSEE, FL 32308 PHONE: 850-553-3500
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FL LICENSE NUMBER
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PROJECT NUMBER	R1003144.00
DATE	04/16/2021
	As indicated
DESIGNED BY	PH
DRAWN BY	JR
CHECKED BY	JW

OVERALL SITE PLAN

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
FLORIDA

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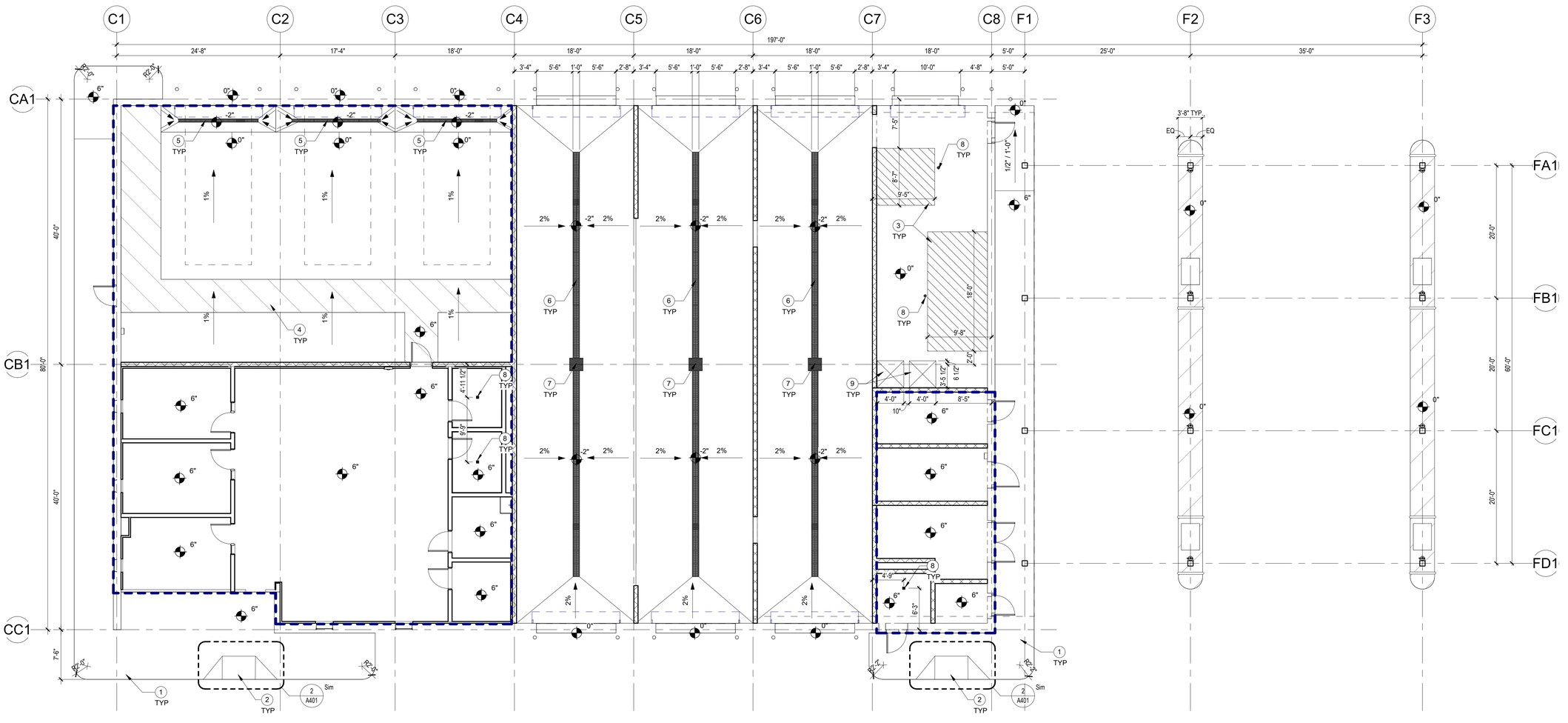
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3. NOT ALL WALLS AND DESIGN COMPONENTS ARE SHOWN IN DRAINAGE PLANS FOR GRAPHIC CLARIFICATION. SEE ENLARGED PLANS FOR ADDITIONAL INFORMATION NOT SHOWN.
4. DIMENSIONS TO FLOOR DRAINS ARE TO CENTERLINE (U.N.O.)
5. EQUIPMENT PAD FINAL LOCATIONS TO BE COORDINATE WITH CAR WASH SHOP DRAWINGS AND STRUCTURAL

KEYNOTE LEGEND:

1. 6" CONCRETE CURB - RE: CIVIL
2. ADA ACCESS RAMP - RE: CIVIL
3. EQUIPMENT PAD - RE: STRUCT. AND CAR WASH DRAWINGS
4. SAFETY AISLE (AREA TO REMAIN CLEAR FOR EGRESS PURPOSES)
5. PRE-MANUFACTURED TRENCH DRAIN AT MAINTENANCE BAYS, RE: PLUMBING
6. PRE-MANUFACTURED TRENCH DRAIN AT CAR WASH BAYS, ZURN Z882 BASIS OF DESIGN. (RE: ENLARGED PLANS FOR ADDITIONAL DRAINAGE INFORMATION)
7. PRE-MANUFACTURED CATCH BASIN WITH HEAVY DUTY FRAME AND SEDIMENT BUCKET, ZURN Z887-24-HD BASIS OF DESIGN. (2) Z882 INLET ADAPTERS, (1) EACH SIDE FOR TRENCH TIE-IN.
8. FLOOR DRAIN, RE: PLUMBING
9. RECLAIM PIT, RE: STRUCT.

GRAPHIC LEGEND:

REPRESENTS EXTENTS OF UNDERSLAB VAPOR RETARDER



BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 1/8" = 1'-0" **SLAB PLAN - BUILDING A**

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SLAB PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A110A

SLAB PLAN GENERAL NOTES:

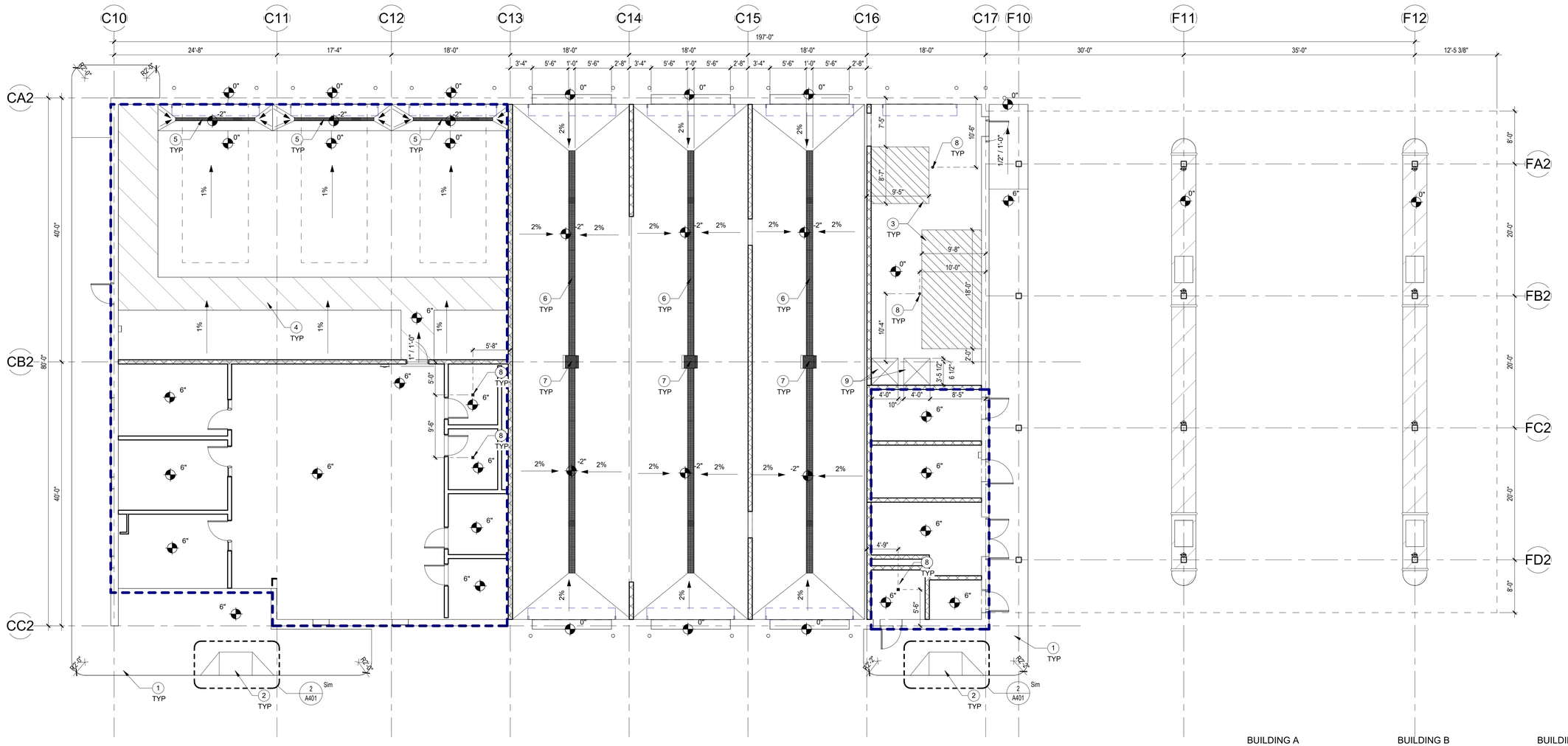
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8. FLOOR DRAIN, RE: PLUMBING
9. RECLAIM PIT, RE: STRUCT.

GRAPHIC LEGEND:

REPRESENTS EXTENTS OF UNDERSLAB VAPOR RETARDER



BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 1/8" = 1'-0" **SLAB PLAN - BUILDING B**

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SLAB PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A110B

SLAB PLAN GENERAL NOTES:

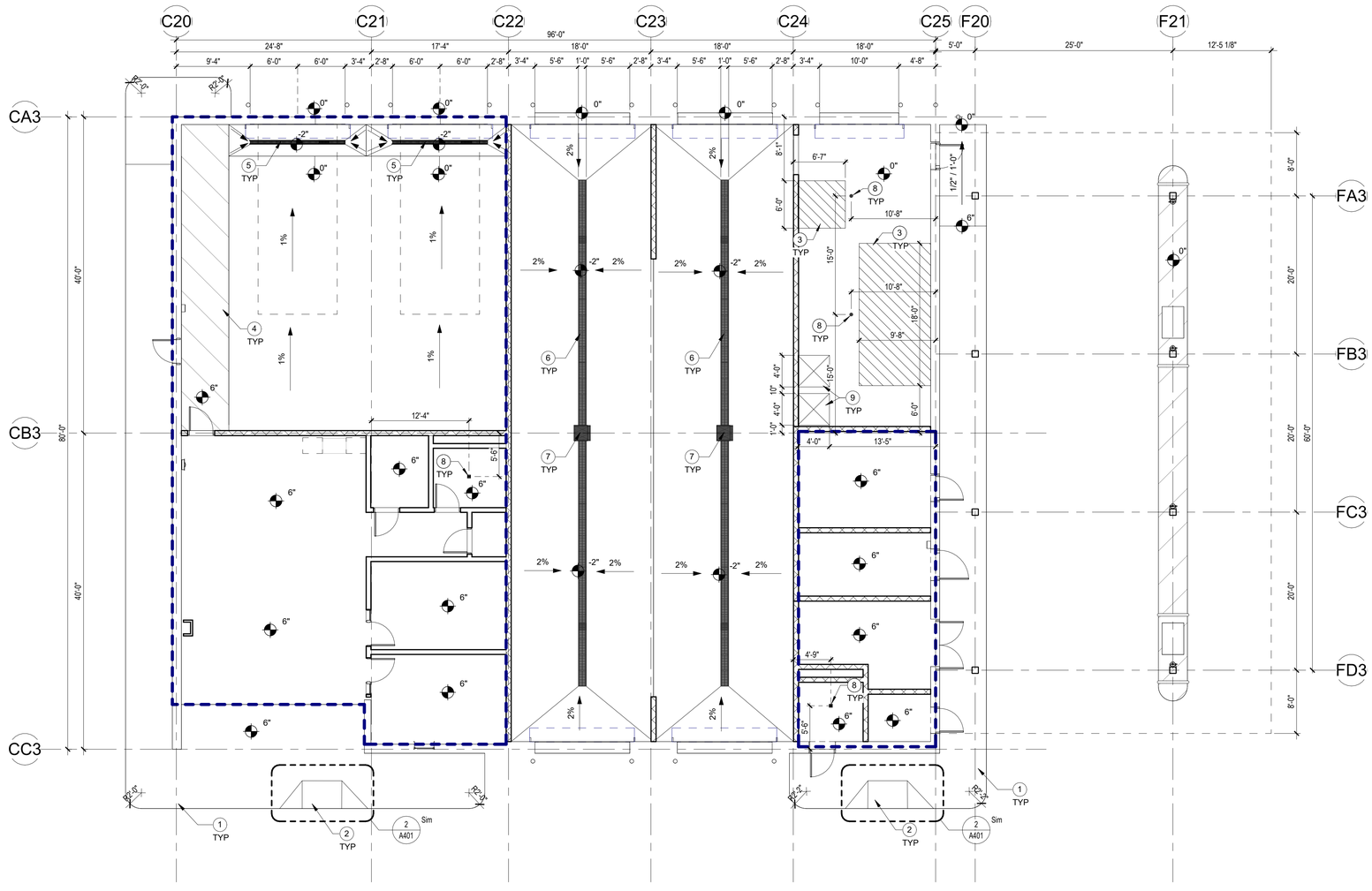
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KEYNOTE LEGEND:

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8. FLOOR DRAIN, RE: PLUMBING
9. RECLAIM PIT, RE: STRUCT.

GRAPHIC LEGEND:

REPRESENTS EXTENTS OF UNDERSLAB VAPOR RETARDER



BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 1/8" = 1'-0" **SLAB PLAN - BUILDING C**

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XXXXX

PROJECT NUMBER	DESIGNED BY	PH
R1003144.00		
DATE	DRAWN BY	JR
04/16/2021		
As indicated	CHECKED BY	JW

SLAB PLAN - BUILDING C

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

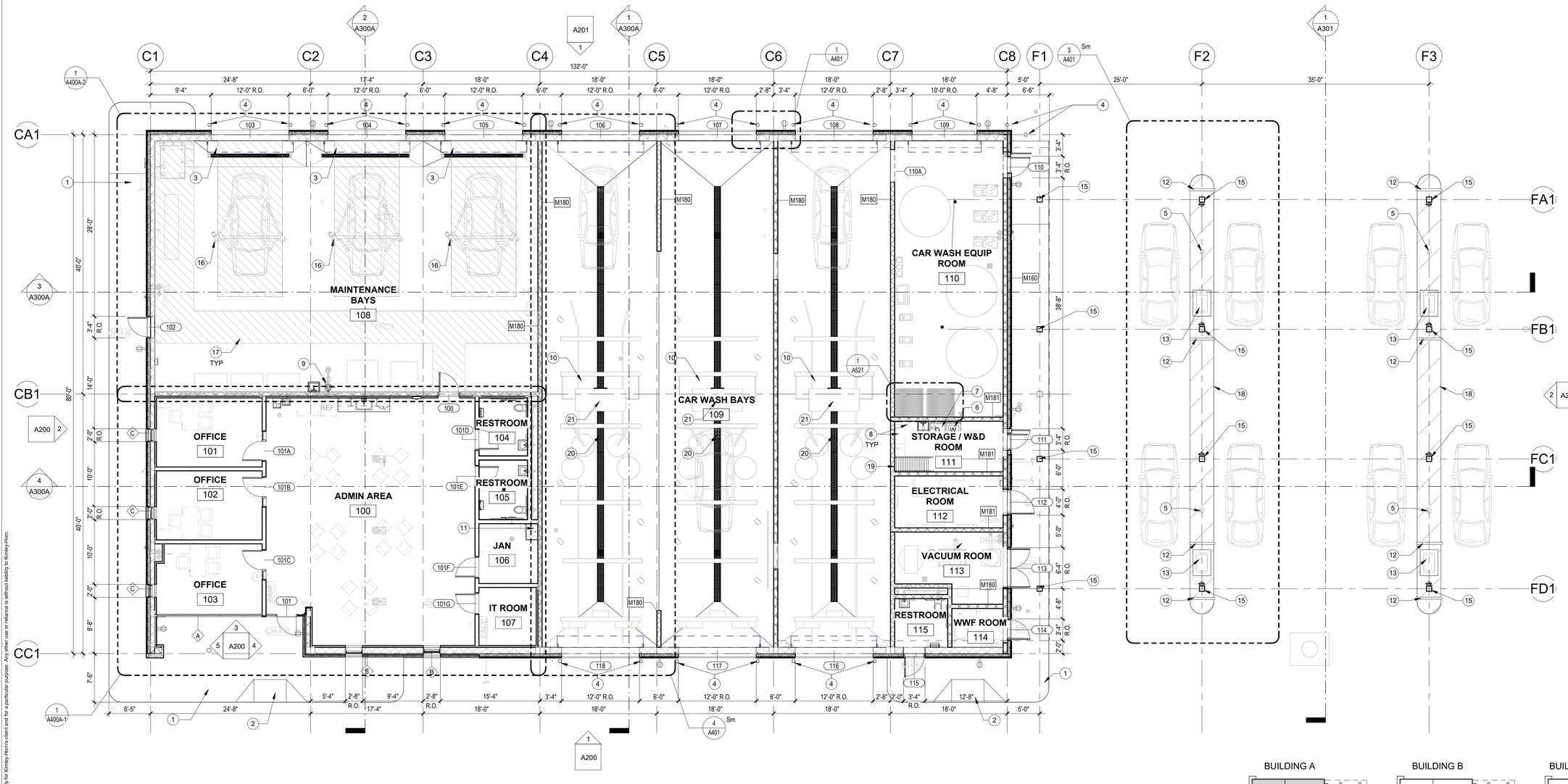
SHEET NUMBER
A110C

PLAN GENERAL NOTES:

1. ROOM AND DOOR REFERENCE NUMBERS ARE FOR CONSTRUCTION COORDINATION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER FOR FINAL ROOM & DOOR IDENTIFICATION.
2. DO NOT SCALE DIMENSIONS FROM DRAWINGS, ANY UNKNOWN DIMENSION SHALL BE OBTAINED FROM DESIGN PROFESSIONALS VIA REQUEST FOR INFORMATION (RFI).
3. ALL DIMENSIONS ARE TO FACE OF STUD, GRID LINES AND FACE OF MASONRY INFILL WALL U.N.O. ALL DIMENSIONS TO EXISTING WALLS ARE TO FACE OF WALL ASSEMBLY U.N.O.
4. ALL 36" WIDE INTERIOR SWING DOORS SHALL BE LOCATED 2'-0" FROM CENTER OF DOOR TO PERPENDICULAR SURFACE OF ADJACENT WALL AT DOOR JAMB U.N.O.
5. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
6. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCY, INACCURACY OR CONFLICTING INFORMATION BEFORE EXECUTION OF WORK.
7. REFER TO WALL TYPE SCHEDULE FOR ADDITIONAL INFORMATION.
8. ALL SHAFTS PENETRATING SLAB SHALL BE RATED 2HR.
9. CONTRACTOR SHALL FIELD COORDINATE LOCATION, SIZE AND TYPE OF BLOCKING FOR INSTALLATION OF SIGNAGE, PLUMBING FIXTURES, MILLWORK, ETC. ALL CONCEALED WOOD SHALL BE FIRE RETARDANT TREATED (F.R.T).
10. PROVIDE IN-WALL REINFORCEMENT FOR ALL WALL MOUNTED FURNITURE AND EQUIPMENT AS REQUIRED.

KEYNOTE LEGEND:

1. 6" CONCRETE CURB - RE: CIVIL
2. ADA ACCESS RAMP - RE: CIVIL
3. TRENCH DRAIN - RE: PLUMBING
4. 6" CONCRETE FILLED STEEL BOLLARD - RE: CIVIL
5. VACUUM - RE: FUELING
6. INDUSTRIAL WASHER - PROVIDED BY TENANT
7. INDUSTRIAL DRYER - PROVIDED BY TENANT
8. SHELVING - PROVIDED BY TENANT
9. EYE WASH - RE: PLUMBING
10. CARWASH EQUIPMENT - RE: FUELING
11. MOP SINK
12. U-SHAPED BOLLARD - RE: CIVIL
13. FUEL DISPENSER ON CONCRETE CURB - RE: FUEL
14. OVERHEAD CANOPY
15. TUBE STEEL COLUMNS
16. MAINTENANCE BAY LIFTS
17. SAFETY AISLE (AREA TO REMAIN CLEAR FOR EGRESS PURPOSES)
18. STRIPING
19. WALL LADDER AND ROOF HATCH
20. PRE-MANUFACTURED TRENCH DRAIN AT CAR WASH BAYS, ZURN Z882 BASIS OF DESIGN.
21. PRE-MANUFACTURED CATCH BASIN WITH HEAVY DUTY FRAME AND SEDIMENT BUCKET, ZURN Z887-24-HD BASIS OF DESIGN. (2) Z882 INLET ADAPTERS, (1) EACH SIDE FOR TRENCH TIE-IN.



1 1/8" = 1'-0" **FLOOR PLAN - BUILDING A**

BUILDING A | BUILDING B | BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER
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PROJECT NUMBER
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DATE
04/16/2021

As indicated

DESIGNED BY PH
DRAWN BY JR
CHECKED BY JW

BUILDING FLOOR PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A120A

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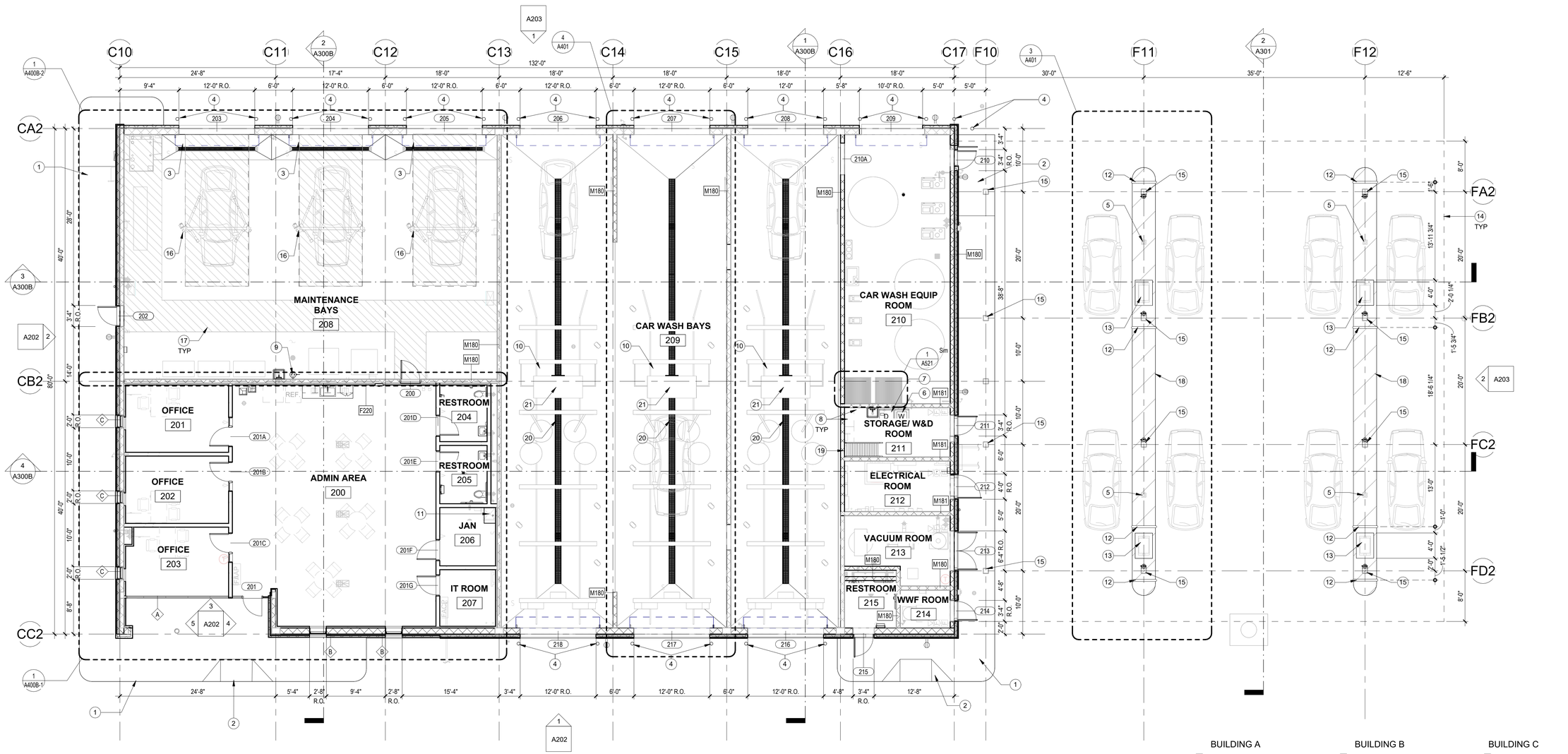
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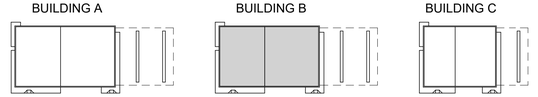
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SITE KEY

1 1/8" = 1'-0" **FLOOR PLAN - BUILDING B**

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ENG/ARCH NAME

FL LICENSE NUMBER XXXXX

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
R1003144.00	PH	JR	JW
DATE 04/16/2021			
As indicated			

BUILDING FLOOR PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

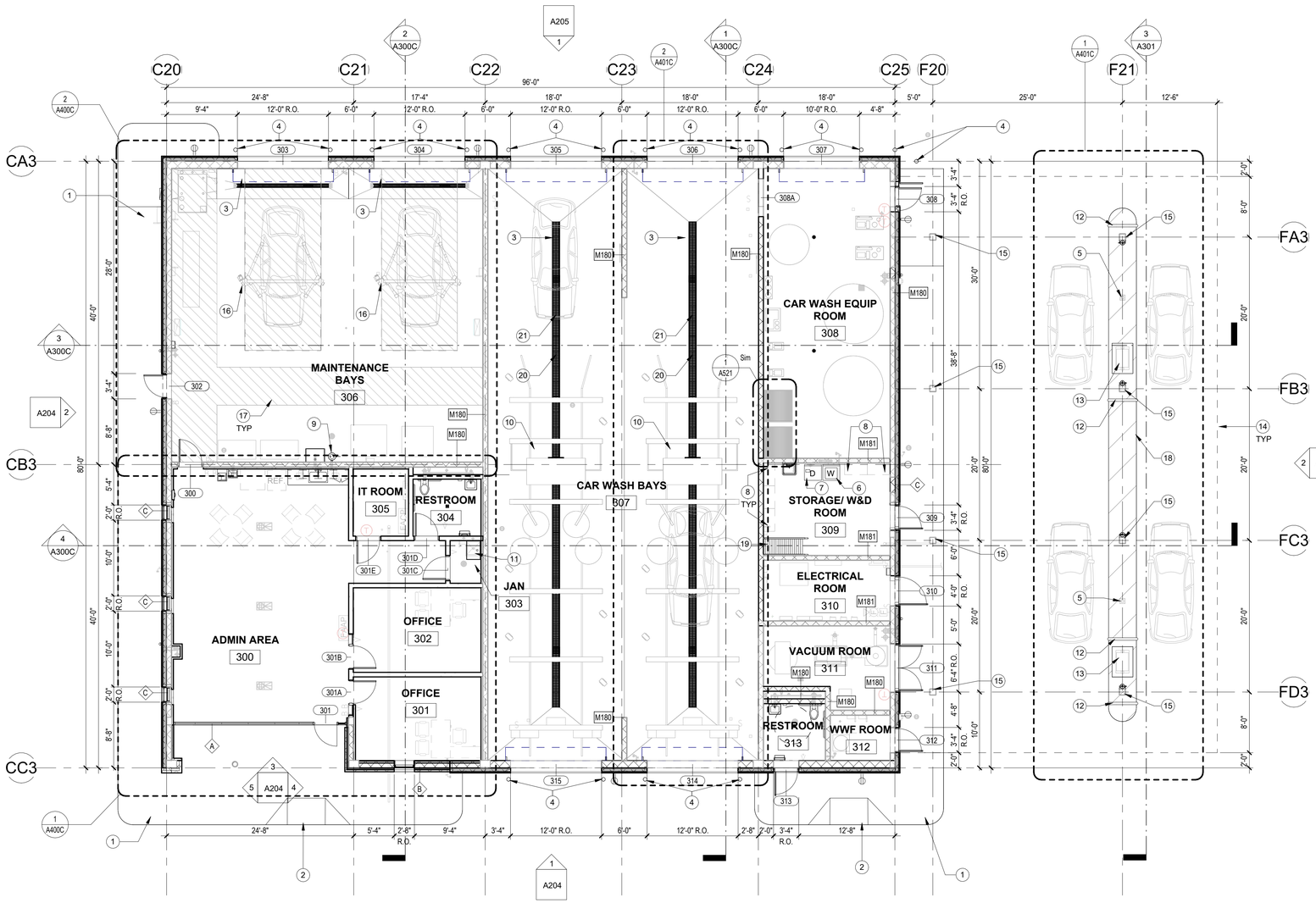
SHEET NUMBER
A120B

PLAN GENERAL NOTES:

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BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 1/8" = 1'-0" **FLOOR PLAN - BUILDING C**

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LICENSED PROFESSIONAL

ENGARCH NAME
FL LICENSE NUMBER
XXXXX

PROJECT NUMBER R1003144.00
DATE 04/16/2021
As indicated
DESIGNED BY PH
DRAWN BY JR
CHECKED BY JW

BUILDING FLOOR PLAN - BUILDING C

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A120C

FINISH PLAN GENERAL NOTES:

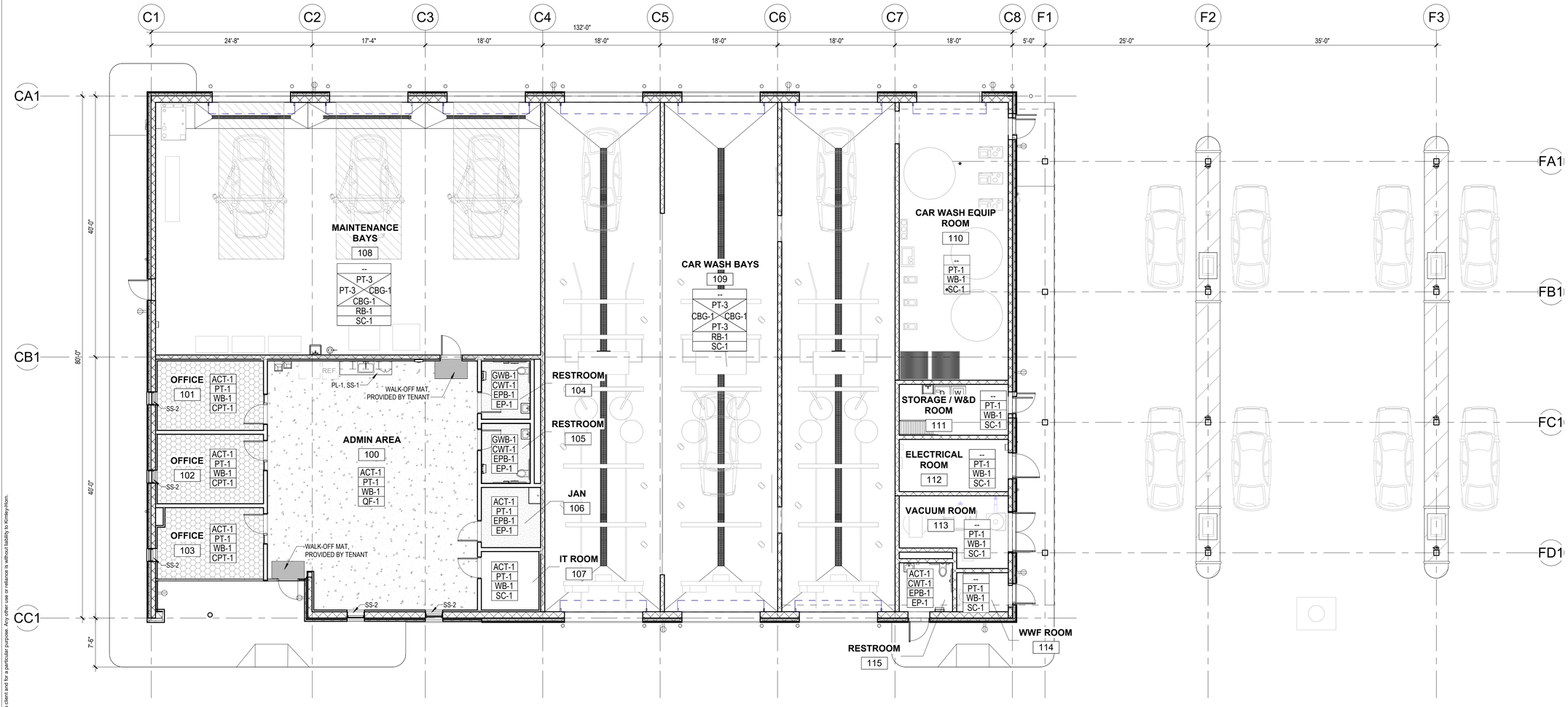
1. RE: FINISH SCHEDULES AND LEGENDS FOR ALL FINISH INFORMATION.
2. ALL PAINT TO BE PT-1 UNLESS NOTED OTHERWISE.
3. ALL FLOOR FINISHES TO BE CENTER WITH ROOM UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS ARE TAKEN FROM FACE OF DRYWALL UNLESS NOTED OTHERWISE.
5. ALIGN FLOOR AND WALL TILES UNLESS NOTED OTHERWISE
6. FLOOR DRAIN LOCATIONS TO BE ALIGNED WITH TILE. LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO BE ADJUSTED. CHROME FINISHED SQUARE FLOOR DRAIN AT PUBLIC AREAS. ADVISE ARCHITECT OF ANY DISCREPANCIES.
7. REFER TO INTERIOR ELEVATIONS FOR WALL FINISH DIMENSIONS AND LOCATIONS

FINISH PLAN LEGEND:

REFER TO FINISH SCHEDULES AND LEGENDS FOR ADDITIONAL INFORMATION

- FIN-4 — CEILING FINISH
- FIN-3 — WALL FINISH
- FIN-2 — BASE FINISH
- FIN-1 — FLOOR FINISH

- FIN-7 — CEILING FINISH
- FIN-5 / FIN-6 / FIN-4 / FIN-3 — WALL FINISHES (N, E, S, W)
- FIN-2 — BASE FINISH
- FIN-1 — FLOOR FINISH



BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 1/8" = 1'-0" **FINISH FLOOR PLAN - BUILDING A**

No.	REVISIONS	DATE	BY

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FINISH FLOOR PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A130A

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FINISH PLAN GENERAL NOTES:

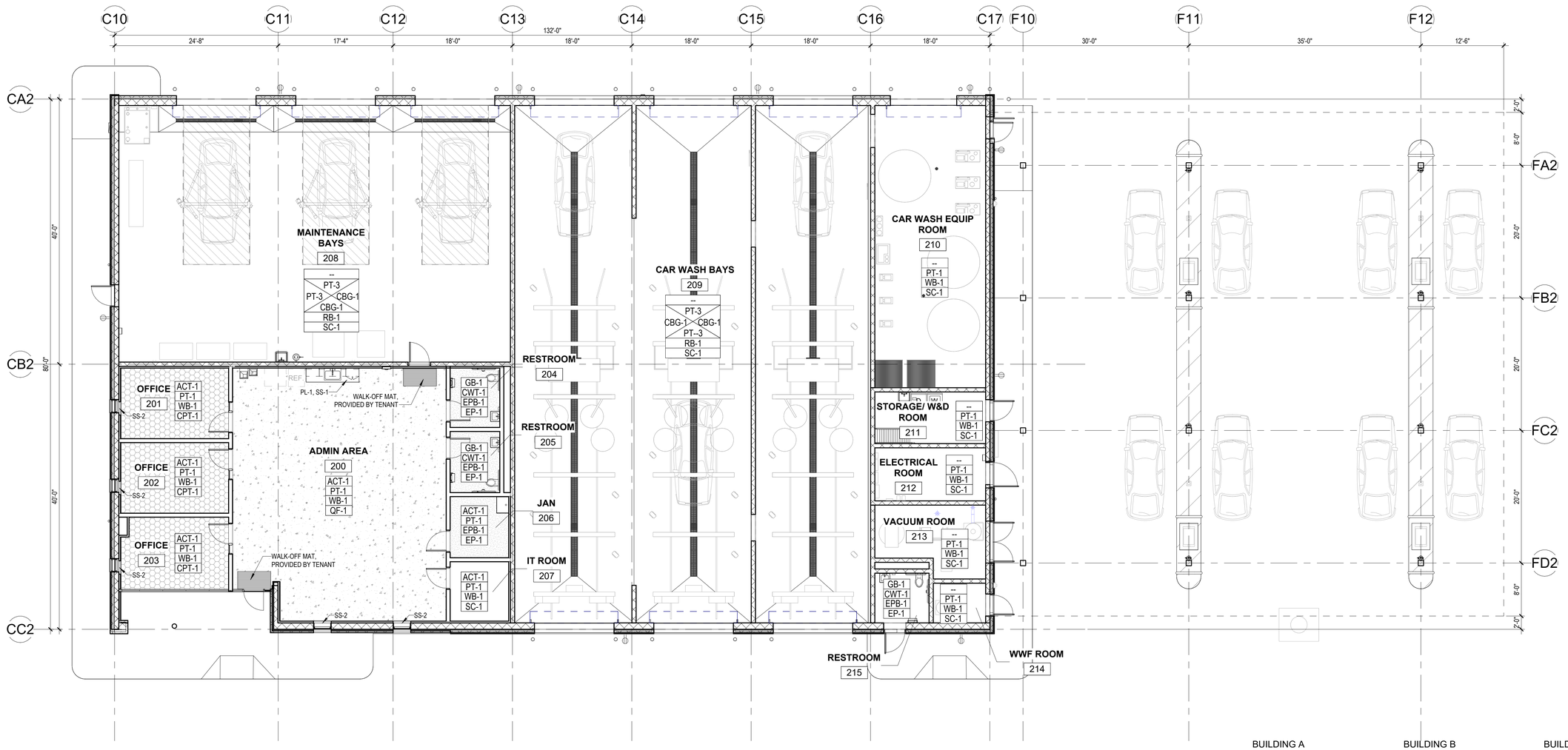
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- FIN-1 — FLOOR FINISH



BUILDING A BUILDING B BUILDING C

SITE KEY

1 1/8" = 1'-0" **FINISH FLOOR PLAN - BUILDING B**

No.	REVISIONS	DATE	BY

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FINISH FLOOR PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A130B

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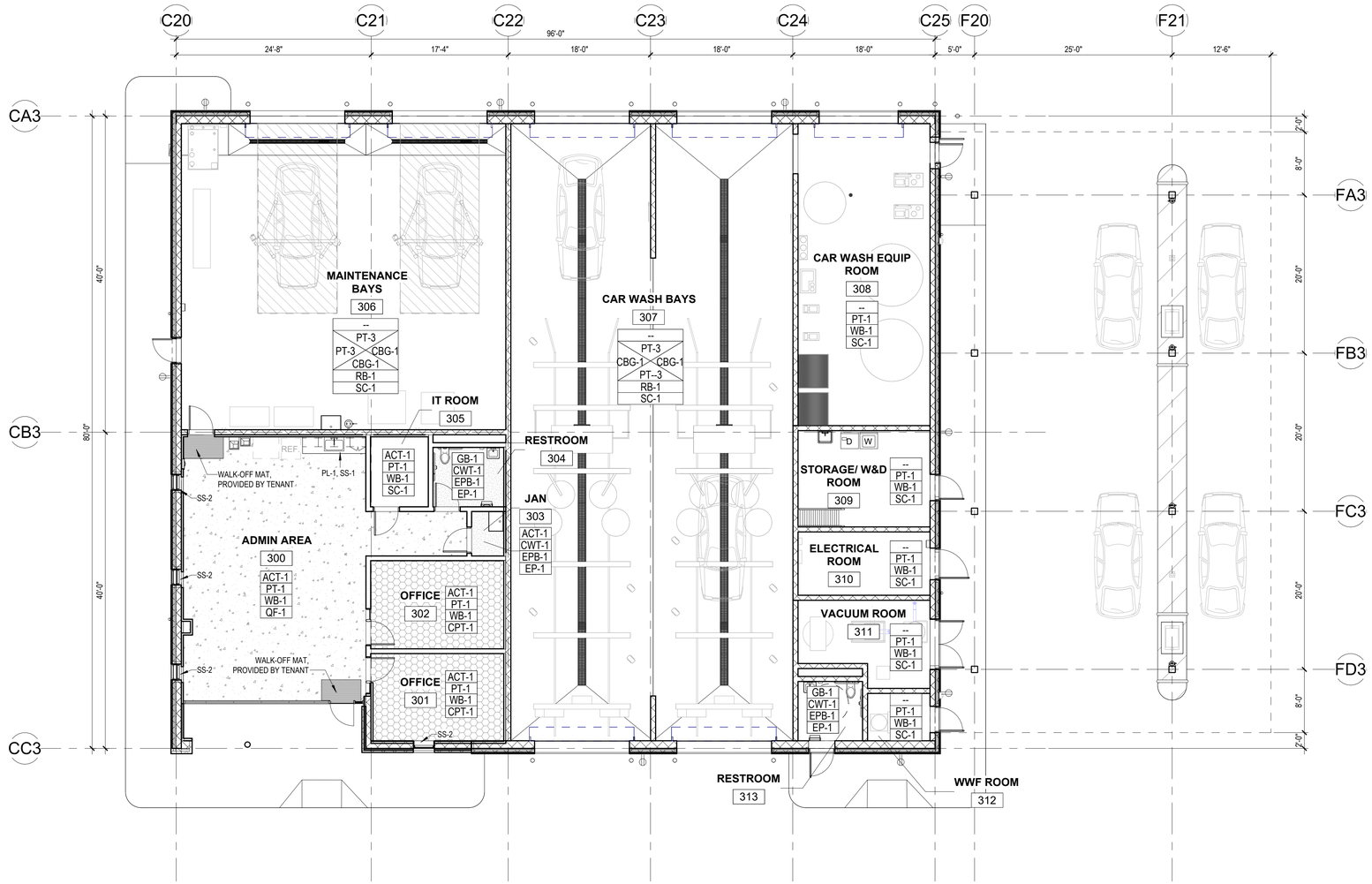
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BUILDING A BUILDING B BUILDING C

SITE KEY

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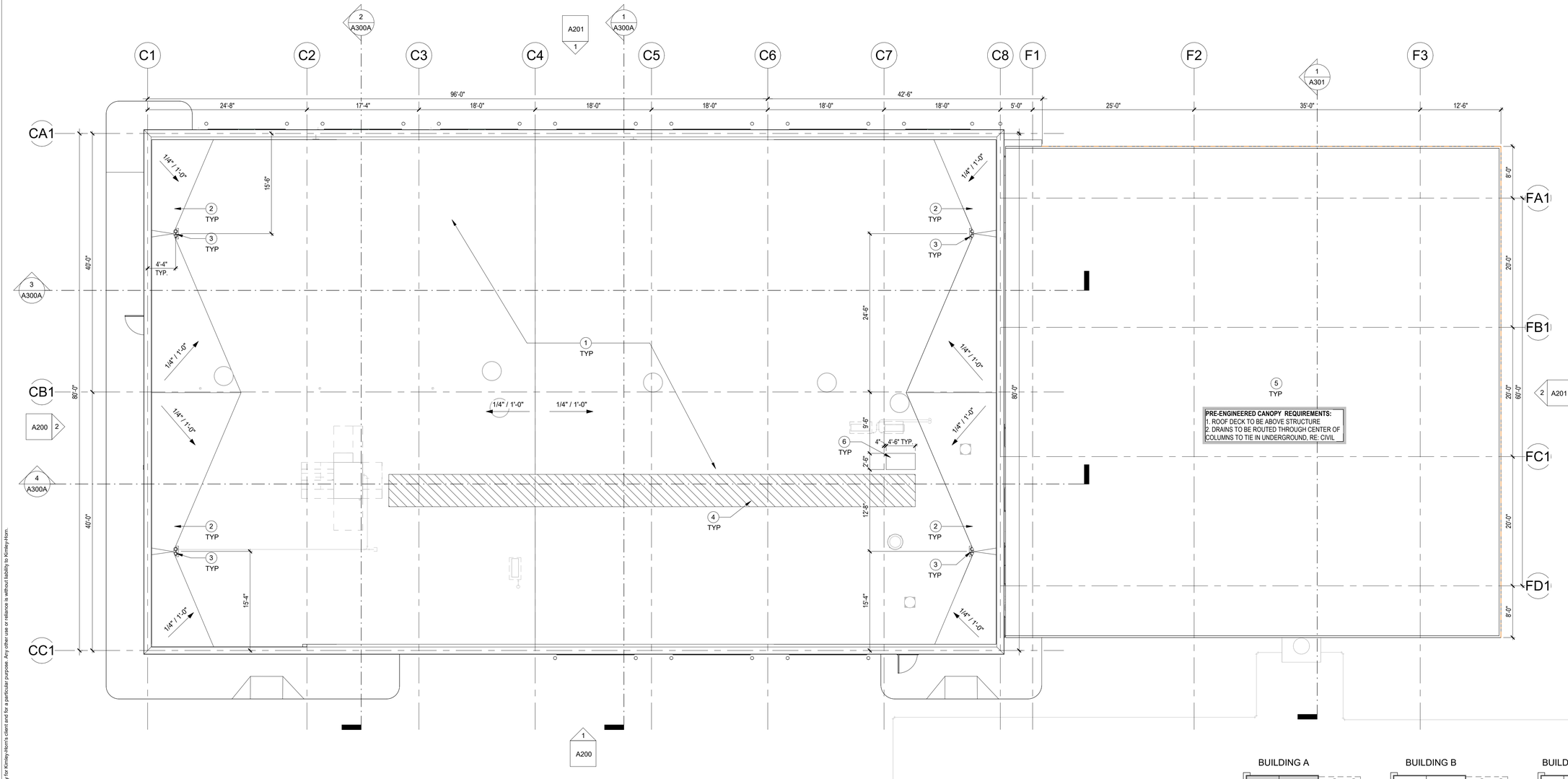
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KEYNOTE LEGEND:

1. PVC ROOF ASSEMBLY
2. ROOF CRICKET WITH INSULATION
3. COMBINATION ROOF DRAIN - RE: PLUMBING
4. WALKWAY PAD
5. METAL CANOPY BELOW
6. ROOF HATCH



BUILDING A BUILDING B BUILDING C

SITE KEY

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DATE	04/16/2021
	As Indicated
DESIGNED BY	PH
DRAWN BY	JR
CHECKED BY	JW

ROOF PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

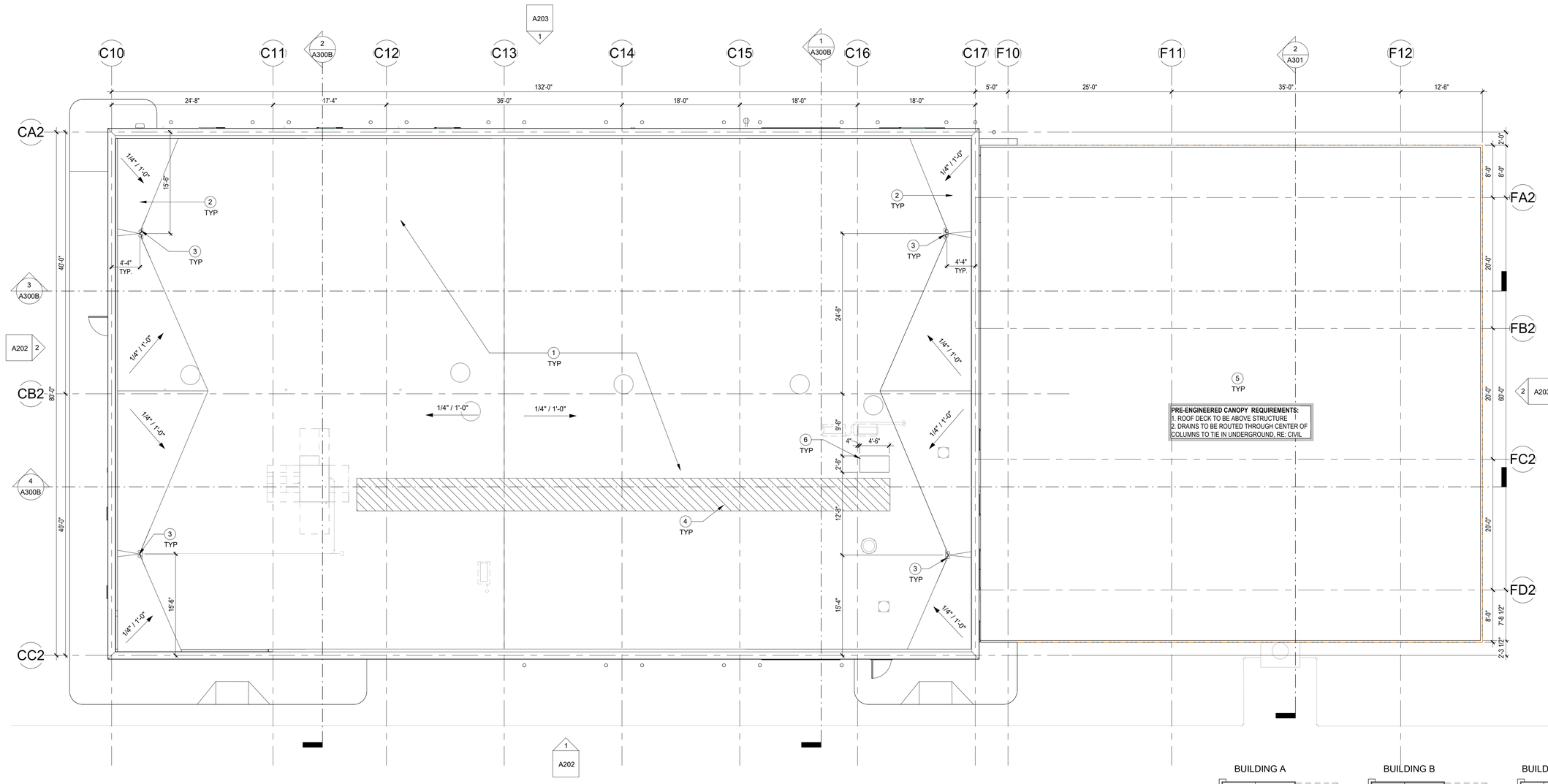
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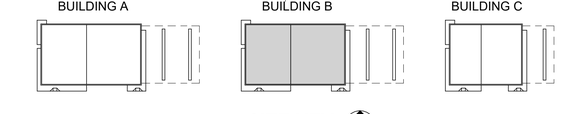
PLAN GENERAL NOTES:

1. ROOM AND DOOR REFERENCE NUMBERS ARE FOR CONSTRUCTION COORDINATION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER FOR FINAL ROOM & DOOR IDENTIFICATION.
2. DO NOT SCALE DIMENSIONS FROM DRAWINGS, ANY UNKNOWN DIMENSION SHALL BE OBTAINED FROM DESIGN PROFESSIONALS VIA REQUEST FOR INFORMATION (RFI).
3. ALL DIMENSIONS ARE TO FACE OF STUD, GRID LINES AND FACE OF MASONRY INFILL WALL U.N.O. ALL DIMENSIONS TO EXISTING WALLS ARE TO FACE OF WALL ASSEMBLY U.N.O.
4. ALL 36" WIDE INTERIOR SWING DOORS SHALL BE LOCATED 2'-0" FROM CENTER OF DOOR TO PERPENDICULAR SURFACE OF ADJACENT WALL AT DOOR JAMB U.N.O.
5. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
6. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCY, INACCURACY OR CONFLICTING INFORMATION BEFORE EXECUTION OF WORK.
7. REFER TO WALL TYPE SCHEDULE FOR ADDITIONAL INFORMATION.
8. ALL SHAFTS PENETRATING SLAB SHALL BE RATED 2HR.
9. CONTRACTOR SHALL FIELD COORDINATE LOCATION, SIZE AND TYPE OF BLOCKING FOR INSTALLATION OF SIGNAGE, PLUMBING FIXTURES, MILLWORK, ETC. ALL CONCEALED WOOD SHALL BE FIRE RETARDANT TREATED (F.R.T).
10. PROVIDE IN-WALL REINFORCEMENT FOR ALL WALL MOUNTED FURNITURE AND EQUIPMENT AS REQUIRED.

KEYNOTE LEGEND:

1. PVC ROOF ASSEMBLY
2. ROOF CRICKET WITH INSULATION
3. COMBINATION ROOF DRAIN - RE: PLUMBING
4. WALKWAY PAD
5. METAL CANOPY BELOW
6. ROOF HATCH





SITE KEY

1 1/8" = 1'-0" **ROOF PLAN - BUILDING B**

No.	REVISIONS	DATE	BY

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FL LICENSE NUMBER
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PROJECT NUMBER	R1003144.00
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ROOF PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
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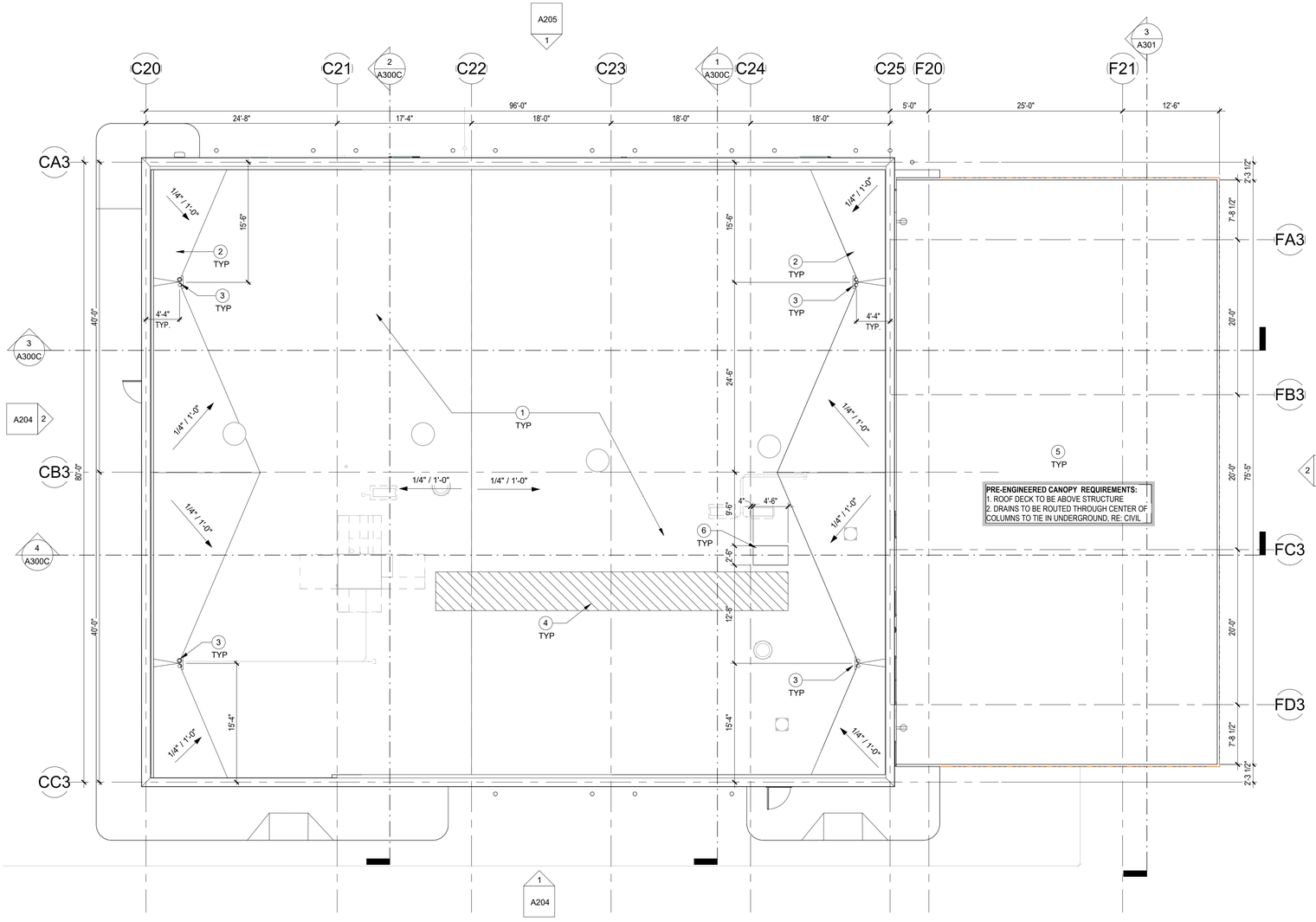
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5. METAL CANOPY BELOW
6. ROOF HATCH



1 1/8" = 1'-0" **ROOF PLAN - BUILDING C**

BUILDING A | BUILDING B | BUILDING C

SITE KEY

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PROJECT NUMBER	R10003144.00
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ROOF PLAN - BUILDING C

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

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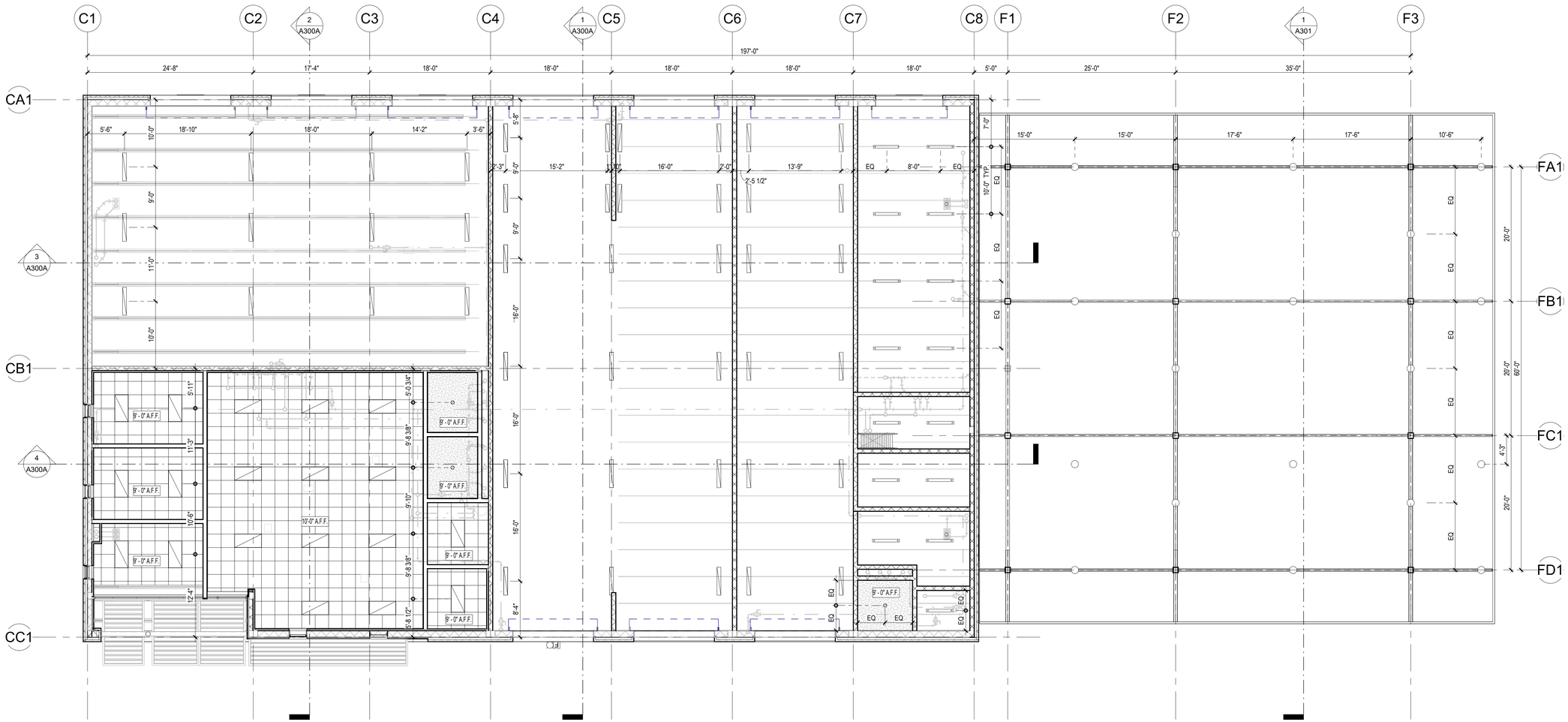
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RCP GENERAL NOTES:

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8. FIXTURES SHALL BE CENTERED BETWEEN WALLS U.N.O.
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10. REFER TO FINISH SCHEDULE FOR FINISH INFORMATION.

LEGEND:

- OPEN TO STRUCT. ABOVE
- GYP. CEILING
- 2' X 2' ACT CEILING
- RECESSED CAN LED LIGHT, RE: ELECT.
- FUELING CANOPY ROUND PENDANT, RE: ELECT.
- 4' LINEAR PENDANT FIXTURE, RE: ELECT.
- 1'X4' CEILING HUNG LED FIXTURE, RE: ELECT.
- 2'X4' LED FIXTURE, RE: ELECT.



BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 1/8" = 1'-0" **OVERALL BUILDING RCP - BUILDING A**

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER
XXXXX

PROJECT NUMBER	
R1003144.00	
DATE	
04/16/2021	
As indicated	
DESIGNED BY	PH
DRAWN BY	JR
CHECKED BY	JW

REFLECTED CEILING PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

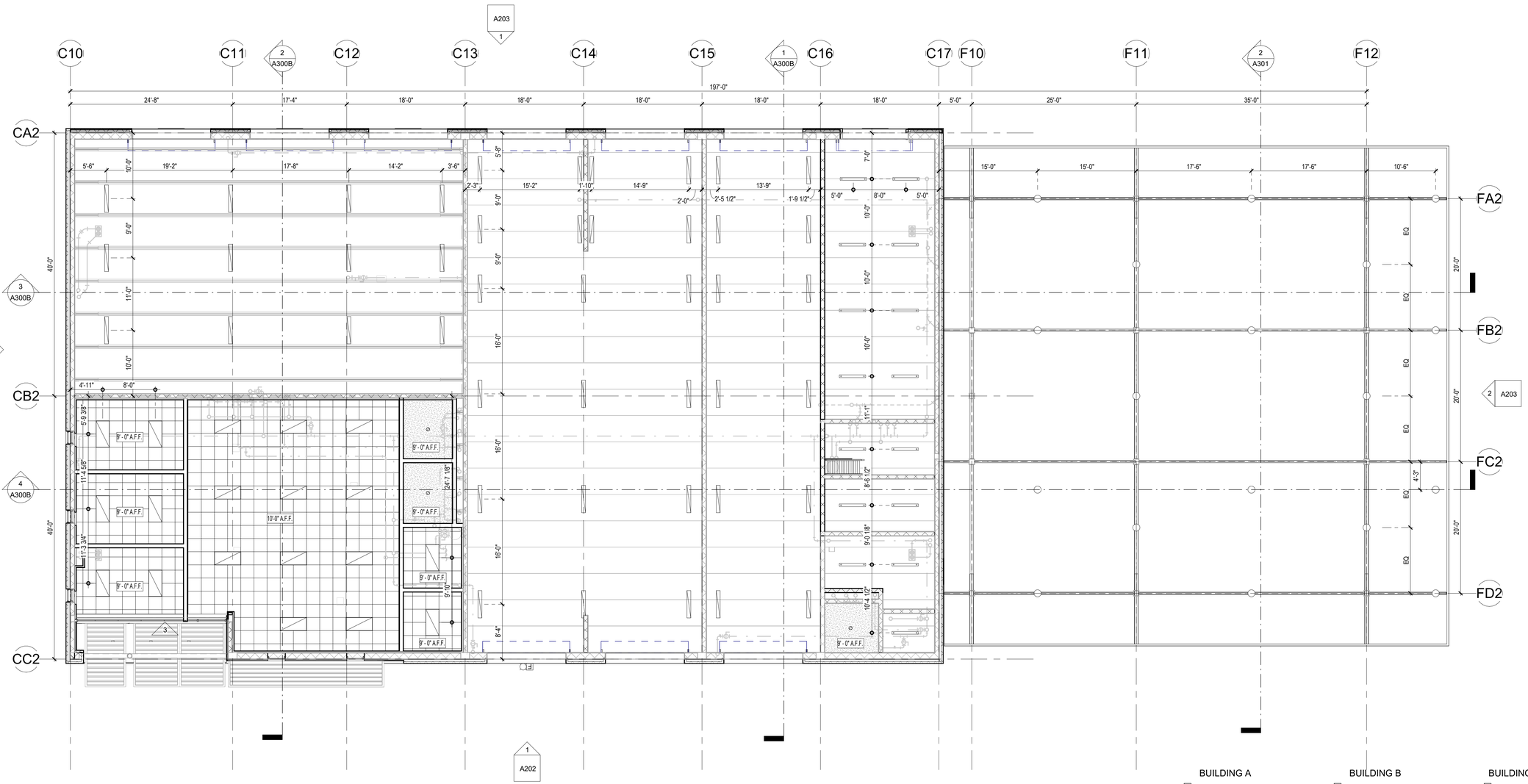
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A150A

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1 1/8" = 1'-0" **OVERALL BUILDING RCP - BUILDING B**

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LICENSED PROFESSIONAL

ENGARCH NAME

FL LICENSE NUMBER XXXXX

PROJECT NUMBER	R10031144.00
DATE	04/16/2021
	As indicated
DESIGNED BY	PH
DRAWN BY	JR
CHECKED BY	JW

REFLECTED CEILING PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

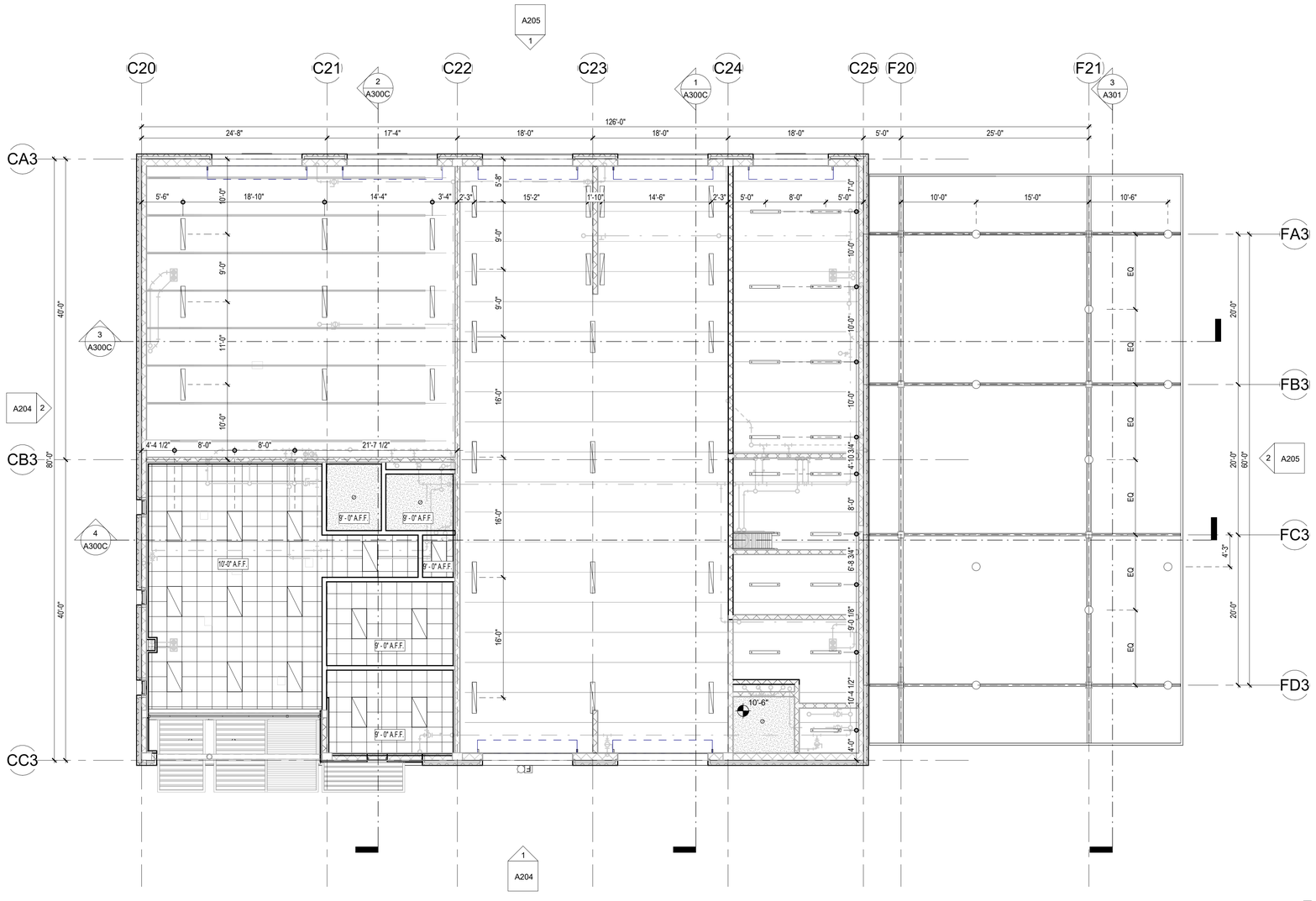
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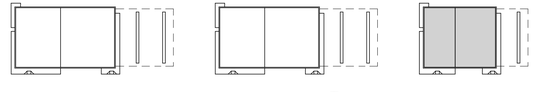
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- 2'X4' LED FIXTURE, RE: ELECT.





SITE KEY

1 1/8" = 1'-0" **OVERALL BUILDING RCP - BUILDING C**

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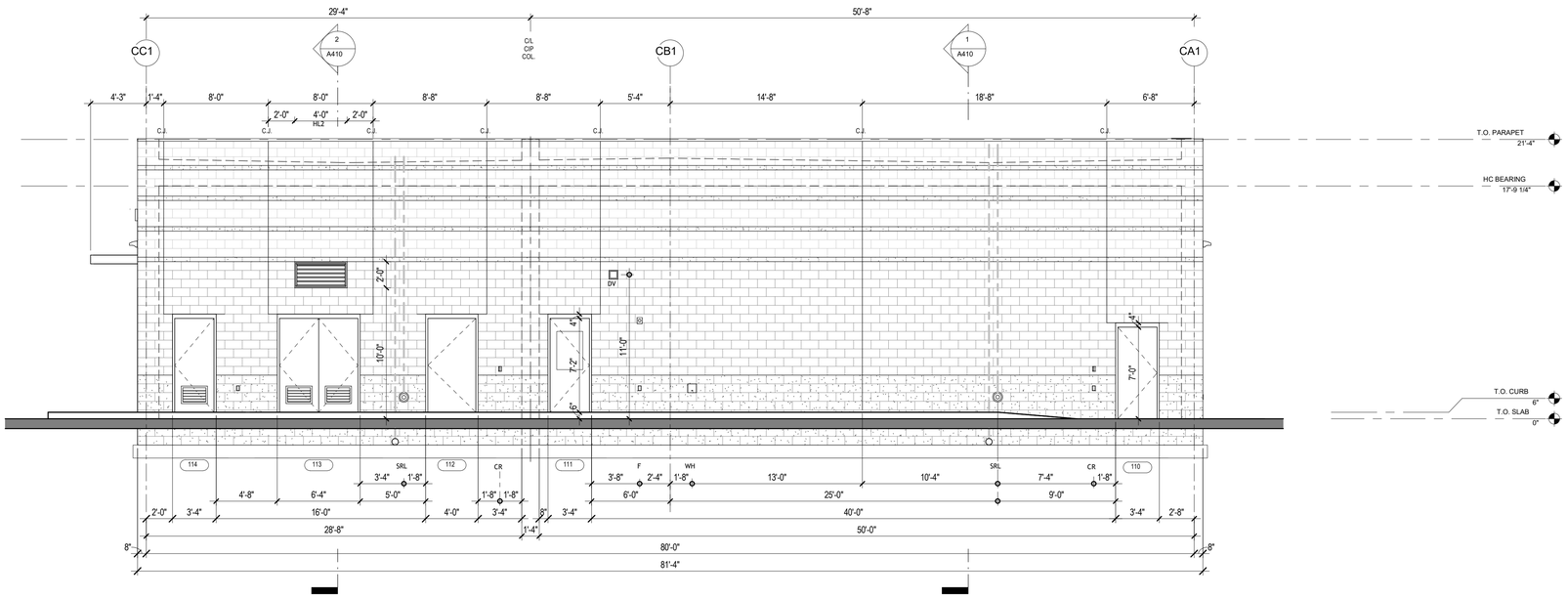
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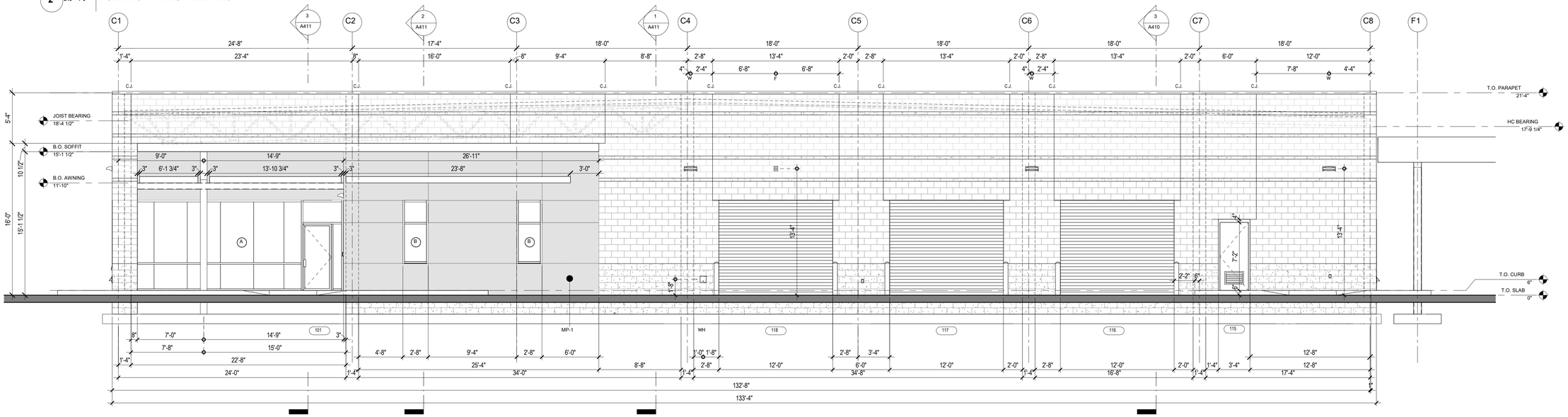
REFLECTED CEILING PLAN - BUILDING C

QUICK - TURNAROUND FACILITY
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SHEET NUMBER
A150C



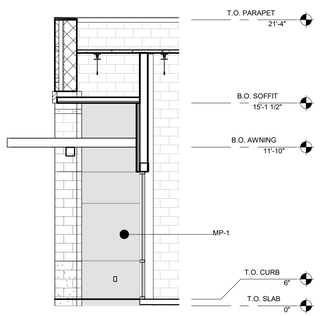
2 3/16" = 1'-0" BUILDING 'A' - EAST ELEVATION



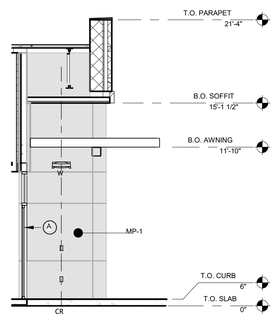
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3C 3/16" = 1'-0" BUILDING 'A' - ENTRANCE ELEVATION - SOUTH



3B 3/16" = 1'-0" BUILDING 'A' - ENTRANCE ELEVATION - WEST



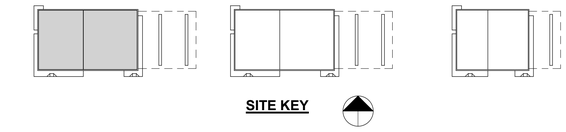
3A 3/16" = 1'-0" BUILDING 'A' - ENTRANCE ELEVATION - EAST

EXTERIOR ELEVATION NOTES

1) EXTERIOR FINISH LEGEND, REFER TO SHEET A201
2) DECORATIVE CMU VERTICAL PATTERN , REFER TO SHEET A410.

EXTERIOR ELEVATION LEGEND

XXX	DOOR NUMBER, REFER TO A031
X	GLAZING IDENTIFICATION, REFER TO A040
C.J.	MASONRY VENEER CONTROL JOINT LOCATION
CR	CARD READER
F	FIRE ALARM HORN STROBE
HL	HURRICANE LOUVER - 24" H x 48" W
OHS	OVERHEAD DOOR SENSOR - BASIS OF DESIGN = BEA FALCON
SRL	SECONDARY RAIN LEADER
W	EXTERIOR WALL PACK
WH	EXTERIOR WALL HYDRANT



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FITZGERALD COLLABORATIVE
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TALLAHASSEE, FL 32301
FITZGERALD COLLABORATIVE GROUP, LLC
CERTIFICATE OF AUTHORIZATION #29167

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ENGINEER NAME
FL LICENSE NUMBER
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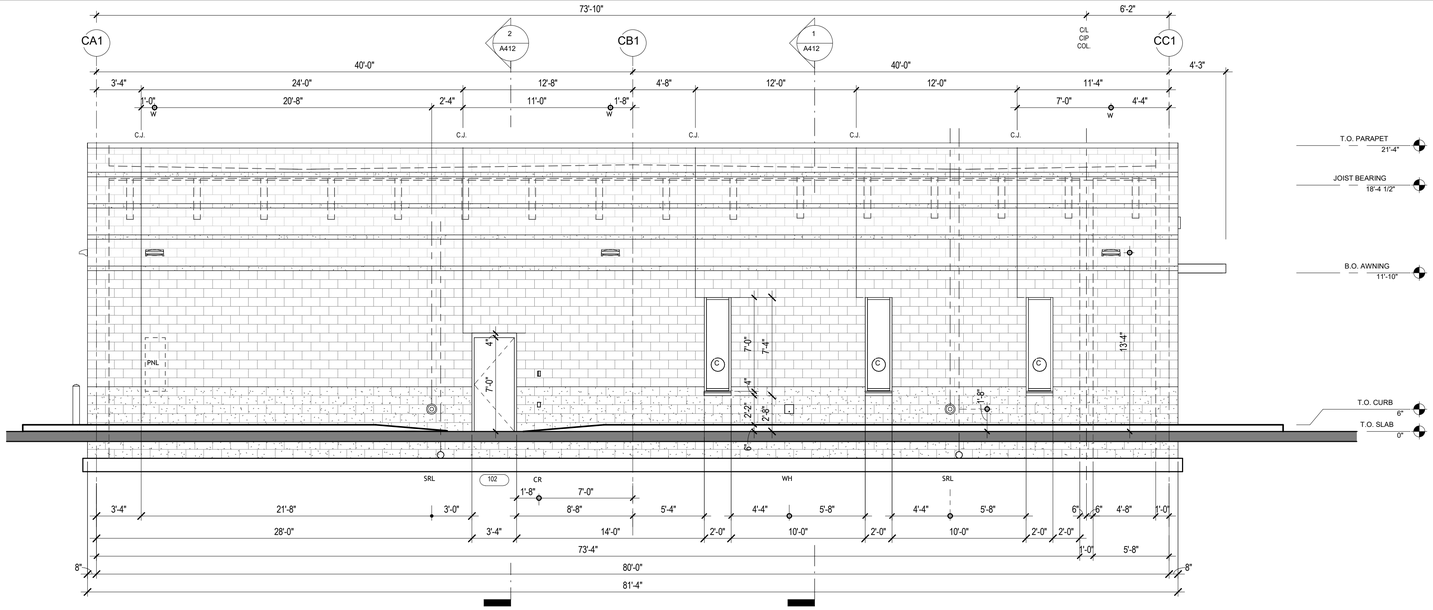
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BUILDING 'A' ELEVATIONS

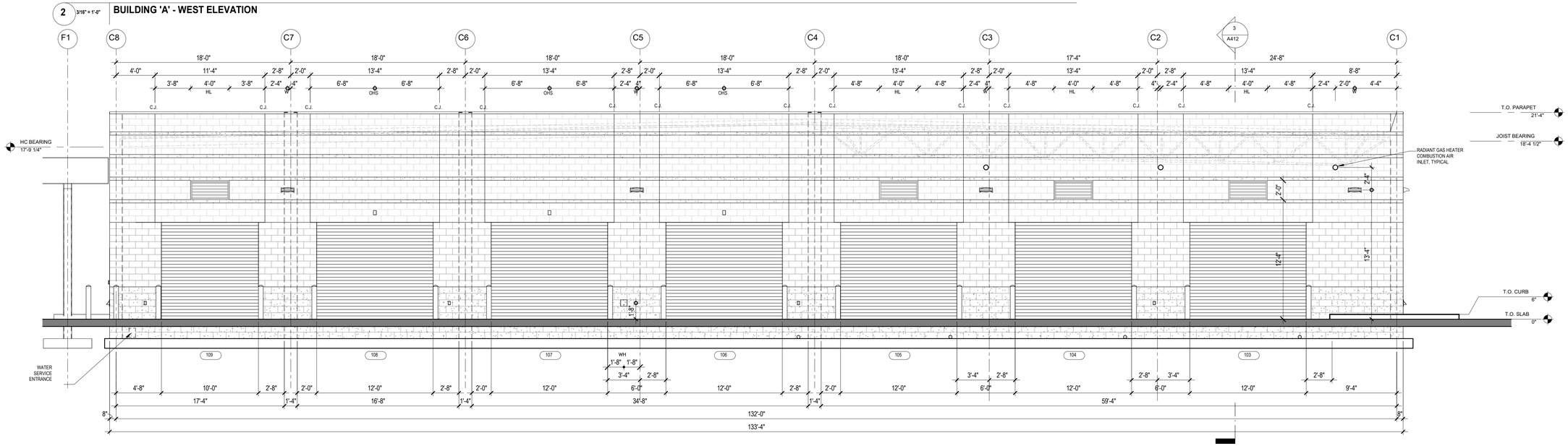
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2 3/16" = 1'-0" **BUILDING 'A' - WEST ELEVATION**



1 3/16" = 1'-0" **BUILDING 'A' - NORTH ELEVATION**

EXTERIOR FINISH LEGEND

EXTERIOR PAINT

EPT-1	LOCATION:	BOLLARDS
	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR/STYLE:	SAFETY YELLOW
	FINISH:	SEMI-GLOSS
EPT-2	LOCATION:	STEEL COLUMNS / STEEL BEAMS
	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR/STYLE:	TBD
	FINISH:	SEMI-GLOSS
EPT-3	LOCATION:	DOORS AND FRAMES
	MANUFACTURER:	SHERWIN WILLIAMS
	COLOR/STYLE:	TBD
	FINISH:	SEMI-GLOSS
EPT-4	LOCATION:	PRE-ENGINEERED METAL CANOPY
	MANUFACTURER:	TBD
	COLOR/STYLE:	
	FINISH:	

MASONRY VENEER, DECORATIVE CMU

CMU-1	LOCATION:	QTA BUILDING A, B & C
	MANUFACTURER:	TRENWYTH ARCHITECTURAL MASONRY
	SERIES:	VERASTONE
	TYPE:	TEXTURED MASONRY UNIT
	COLOR/STYLE:	OLD COUNTRY
	SIZE:	3-9/16"x7-5/8"x15-5/8"
	FINISH:	CLEAR SEALER
	SHAPES:	4F, 4FE L CORNER
CMU-2	LOCATION:	QTA BUILDING A, B & C
	MANUFACTURER:	TRENWYTH ARCHITECTURAL MASONRY
	SERIES:	VERASTONE
	TYPE:	GROUND FACED MASONRY UNIT
	COLOR/STYLE:	AUSTIN
	SIZE:	3-9/16"x7-5/8"x15-5/8"
	FINISH:	CLEAR SEALER
	SHAPES:	4F, 4FE L CORNER
CMU-3	LOCATION:	QTA BUILDING A, B & C
	MANUFACTURER:	TRENWYTH ARCHITECTURAL MASONRY
	SERIES:	VERASTONE
	TYPE:	TEXTURED MASONRY UNIT
	COLOR/STYLE:	OLD COUNTRY
	SIZE:	3-9/16"x3-5/8"x15-5/8"
	FINISH:	CLEAR SEALER
	SHAPES:	44F
CMU-4	LOCATION:	DUMPSTER ENCLOSURE - TYPICAL
	MANUFACTURER:	TRENWYTH ARCHITECTURAL MASONRY
	SERIES:	VERASTONE
	TYPE:	TEXTURED MASONRY UNIT
	COLOR/STYLE:	OLD COUNTRY
	SIZE:	7-9/16"x7-5/8"x15-5/8"
	FINISH:	CLEAR SEALER
	SHAPES:	8F, 8FE
CMU-5	LOCATION:	DUMPSTER ENCLOSURE -TOP COURSE
	MANUFACTURER:	TRENWYTH ARCHITECTURAL MASONRY
	SERIES:	VERASTONE
	TYPE:	GROUND FACED MASONRY UNIT
	COLOR/STYLE:	OLD COUNTRY
	SIZE:	7-9/16"x7-5/8"x15-5/8"
	FINISH:	CLEAR SEALER
	SHAPES:	8F, 8FE

METAL PANEL

MP-1	LOCATION:	QTA BUILDING A, B & C, TYPICAL PANEL
	MANUFACTURER:	ALUCOBOND PLUS
	COLOR/STYLE:	THE CLASSIC COLLECTION
	SIZE:	VARIES, SEE ELEVATIONS
	FINISH:	SILVER METALLIC PVDF 3/ GLOSS 25% - 35%
MP-2	LOCATION:	QTA BUILDING A, B & C, ACCENT PANEL
	MANUFACTURER:	ALUCOBOND PLUS
	COLOR/STYLE:	THE CLASSIC COLLECTION
	SIZE:	VARIES, SEE ELEVATIONS
	FINISH:	TBD

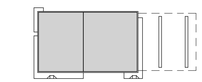
EXTERIOR ELEVATION NOTES

1) EXTERIOR FINISH LEGEND, REFER TO SHEET A201
2) DECORATIVE CMU VERTICAL PATTERN , REFER TO SHEET A410.

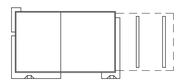
EXTERIOR ELEVATION LEGEND

XXX	DOOR NUMBER, REFER TO A031
(X)	GLAZING IDENTIFICATION, REFER TO A040
C.J.	MASONRY VENEER CONTROL JOINT LOCATION
CR	CARD READER
F	FIRE ALARM HORN STROBE
HL	HURRICANE LOUVER - 24" H x 48" W
OHS	OVERHEAD DOOR SENSOR - BASIS OF DESIGN = BEA FALCON
SRL	SECONDARY RAIN LEADER
W	EXTERIOR WALL PACK
WH	EXTERIOR WALL HYDRANT

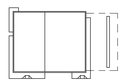
BUILDING A



BUILDING B



BUILDING C



SITE KEY



No.	REVISIONS	DATE	BY

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TALLAHASSEE, FL 32301
FITZGERALD COLLABORATIVE GROUP, LLC
AR98427

LICENSED PROFESSIONAL
ENGINEER/ARCHITECT NAME
FL LICENSE NUMBER XXXXX

PROJECT NUMBER	R1003144.00	DESIGNED BY	-
DATE	JAN 2025	DRAWN BY	-
	As Indicated	CHECKED BY	-

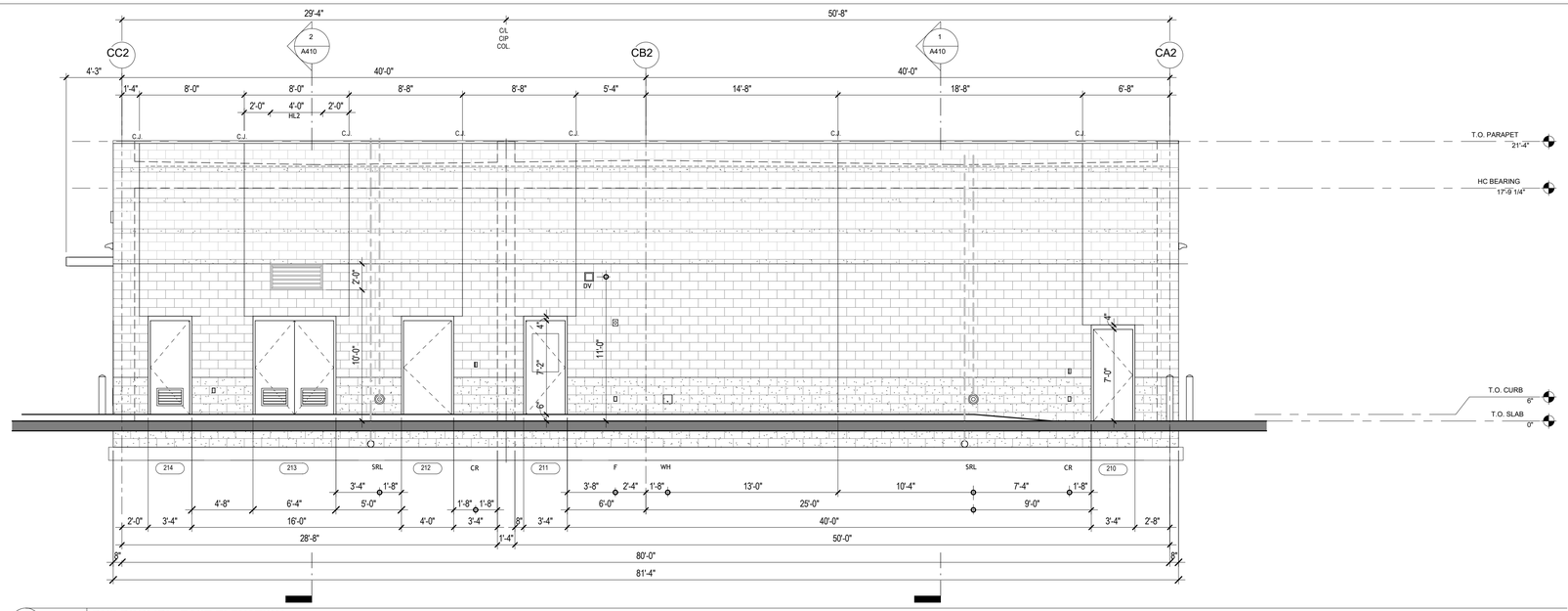
BUILDING 'A' ELEVATIONS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

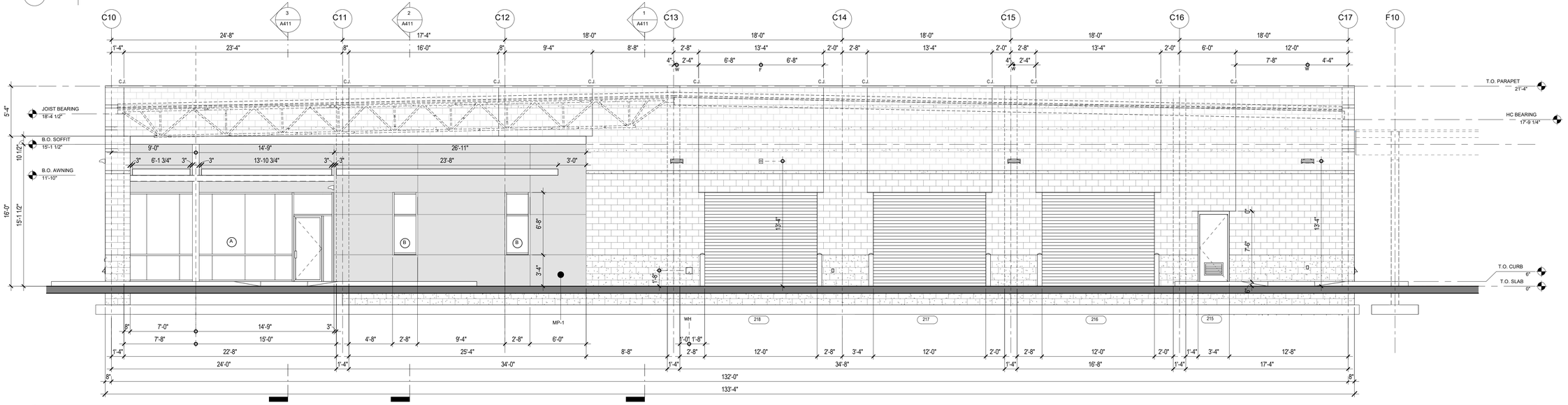
SHEET NUMBER
A201

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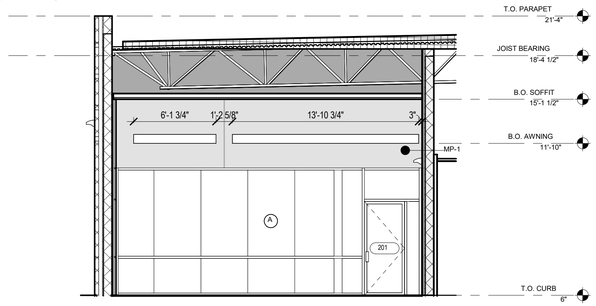
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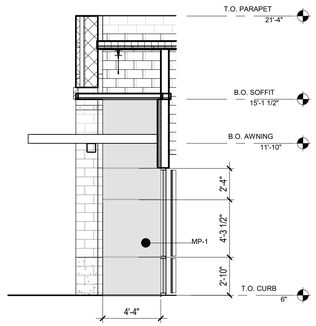
2 3/16" = 1'-0" **BUILDING 'B' - EAST ELEVATION**



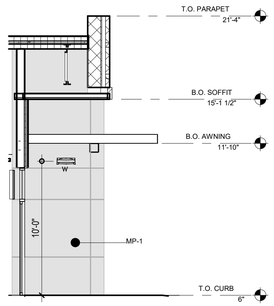
1 3/16" = 1'-0" **BUILDING 'B' - SOUTH ELEVATION**



3C 3/16" = 1'-0" **BUILDING 'B' - SOUTH ENTRANCE ELEVATION**



3B 3/16" = 1'-0" **BUILDING 'B' - WEST ENTRANCE ELEVATION**



3A 3/16" = 1'-0" **BUILDING 'B' - EAST ENTRANCE ELEVATION**

EXTERIOR ELEVATION NOTES

1) EXTERIOR FINISH LEGEND, REFER TO SHEET A201
2) DECORATIVE CMU VERTICAL PATTERN , REFER TO SHEET A410.

EXTERIOR ELEVATION LEGEND

XXX	DOOR NUMBER, REFER TO A031
X	GLAZING IDENTIFICATION, REFER TO A040
C.J.	MASONRY VENEER CONTROL JOINT LOCATION
CR	CARD READER
F	FIRE ALARM HORN STROBE
HL	HURRICANE LOUVER - 24" H x 48" W
OHS	OVERHEAD DOOR SENSOR - BASIS OF DESIGN = BEA FALCON
SRL	SECONDARY RAIN LEADER
W	EXTERIOR WALL PACK
WH	EXTERIOR WALL HYDRANT

BUILDING A | BUILDING B | BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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SUITE 140
TALLAHASSEE, FL 32301
FITZGERALD COLLABORATIVE GROUP, LLC
AIRPORT

LICENSED PROFESSIONAL
ENGARCHNAME
FL LICENSE NUMBER
XXXXX

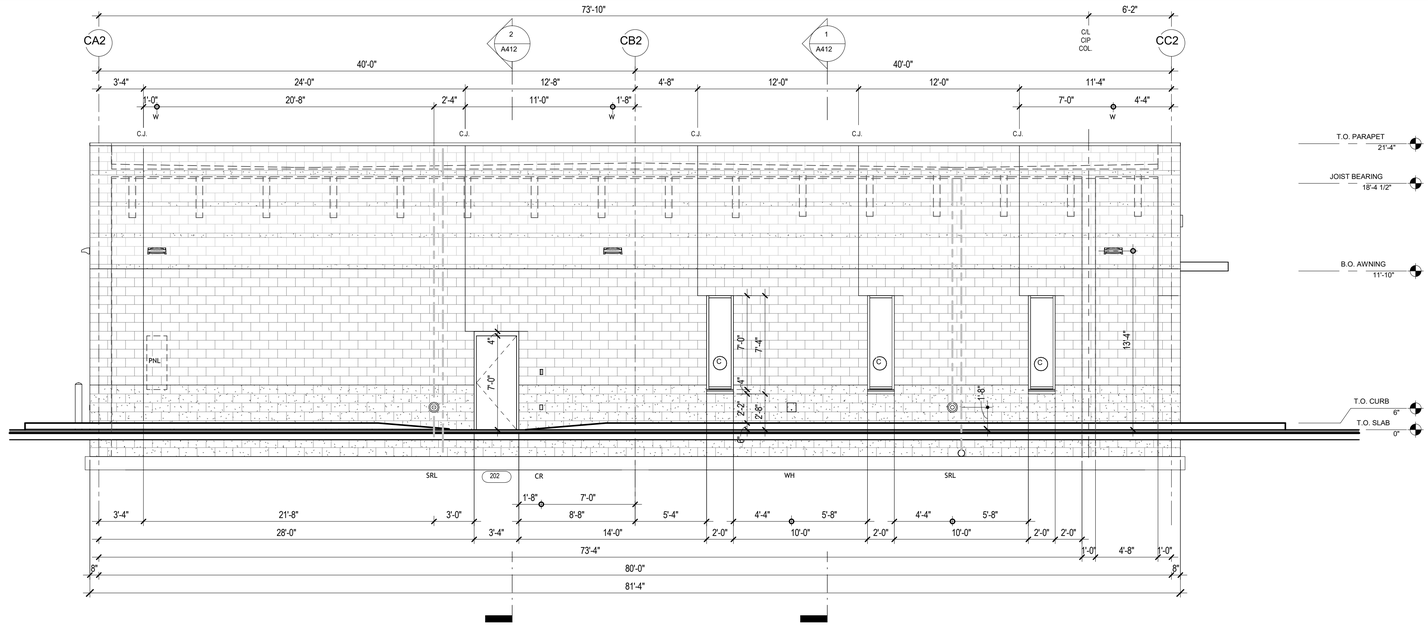
PROJECT NUMBER	DATE		DESIGNED BY	DRAWN BY	CHECKED BY
R1003144.00	JAN 2025	As indicated	-	-	-

BUILDING 'B' ELEVATIONS

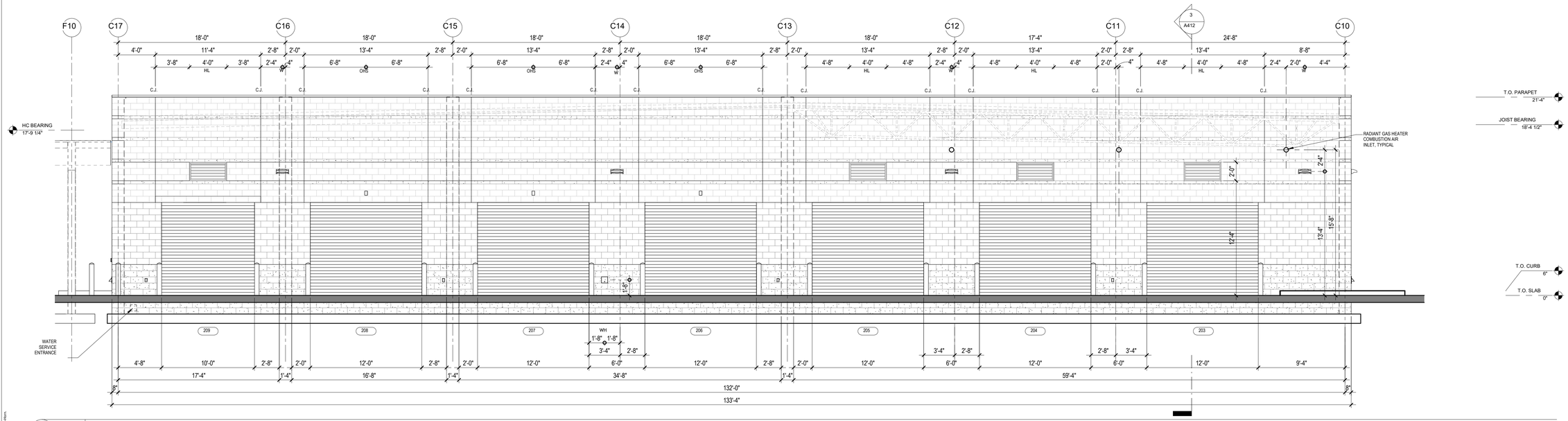
QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
A202

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2 3/16" = 1'-0" **BUILDING 'B' - WEST ELEVATION**



1 3/16" = 1'-0" **BUILDING 'B' - NORTH ELEVATION**

EXTERIOR ELEVATION NOTES

1) EXTERIOR FINISH LEGEND, REFER TO SHEET A201
2) DECORATIVE CMU VERTICAL PATTERN , REFER TO SHEET A410.

EXTERIOR ELEVATION LEGEND

XXX	DOOR NUMBER, REFER TO A031
(X)	GLAZING IDENTIFICATION, REFER TO A040
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HL	HURRICANE LOUVER - 24" H x 48" W
OHS	OVERHEAD DOOR SENSOR - BASIS OF DESIGN = BEA FALCON
SRL	SECONDARY RAIN LEADER
W	EXTERIOR WALL PACK
WH	EXTERIOR WALL HYDRANT

BUILDING A | BUILDING B | BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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SUITE 140
TALLAHASSEE, FL 32301
FITZGERALD COLLABORATIVE GROUP, LLC
#27647

LICENSED PROFESSIONAL

ENGR/ARCH NAME

FL LICENSE NUMBER XXXXX

PROJECT NUMBER	R1003144.00
DATE	JAN 2025
	As indicated
DESIGNED BY	-
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BUILDING 'B' ELEVATIONS

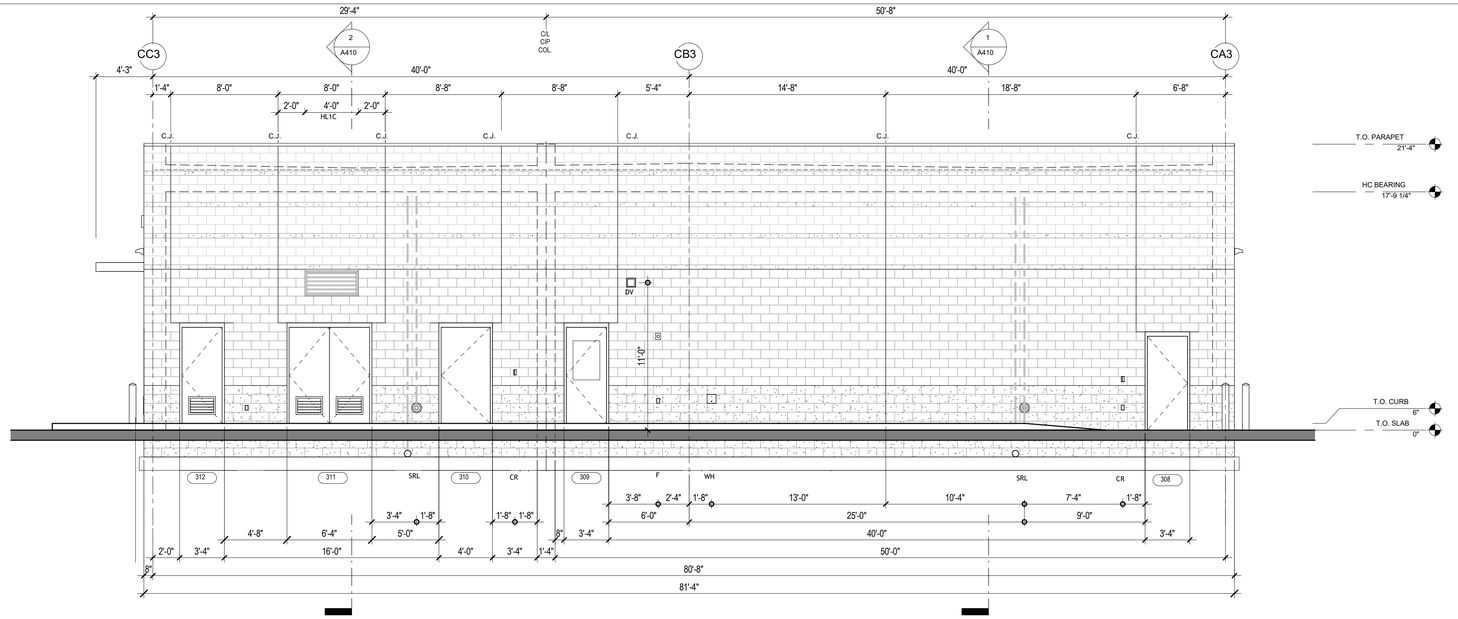
QUICK - TURNAROUND FACILITY

PREPARED FOR TALLAHASSEE INTERNATIONAL AIRPORT

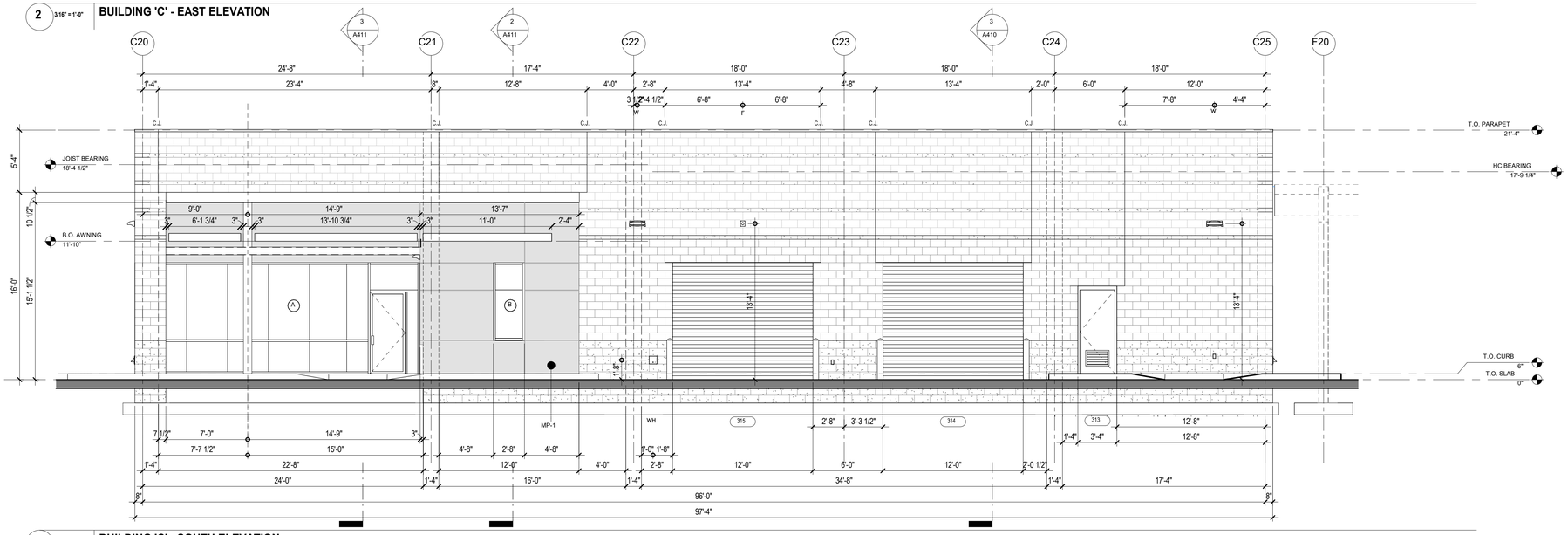
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A203

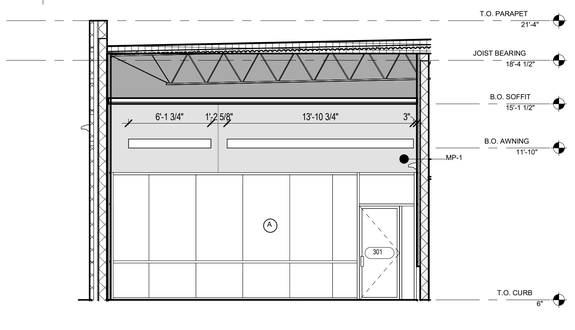
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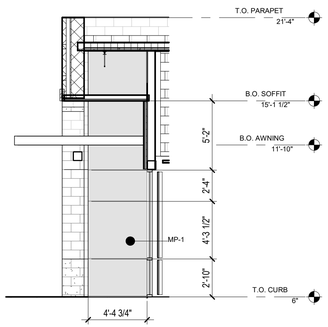
2 3/16" = 1'-0" BUILDING 'C' - EAST ELEVATION



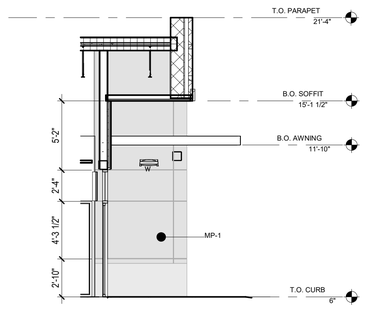
1 3/16" = 1'-0" BUILDING 'C' - SOUTH ELEVATION



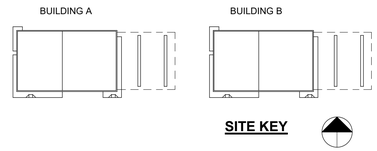
3C 3/16" = 1'-0" BUILDING 'C' - SOUTH ENTRANCE ELEVATION



3B 3/16" = 1'-0" BUILDING 'C' - WEST ENTRANCE ELEVATION



3A 3/16" = 1'-0" BUILDING 'C' - EAST ENTRANCE ELEVATION



SITE KEY

EXTERIOR ELEVATION NOTES

1) EXTERIOR FINISH LEGEND, REFER TO SHEET A201
2) DECORATIVE CMU VERTICAL PATTERN , REFER TO SHEET A410.

EXTERIOR ELEVATION LEGEND

XXX	DOOR NUMBER, REFER TO A031
X	GLAZING IDENTIFICATION, REFER TO A040
C.J.	MASONRY VENEER CONTROL JOINT LOCATION
CR	CARD READER
F	FIRE ALARM HORN STROBE
HL	HURRICANE LOUVER - 24" H x 48" W
OHS	OVERHEAD DOOR SENSOR - BASIS OF DESIGN = BEA FALCON
SRL	SECONDARY RAIN LEADER
W	EXTERIOR WALL PACK
WH	EXTERIOR WALL HYDRANT

No.	REVISIONS	DATE	BY

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SUITE 140
TALLAHASSEE, FL 32301
FITZGERALD COLLABORATIVE GROUP, LLC
#27647

LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER
XXXXX

PROJECT NUMBER	R1003144.00
DATE	JAN 2025
	As indicated
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DRAWN BY	-
CHECKED BY	-

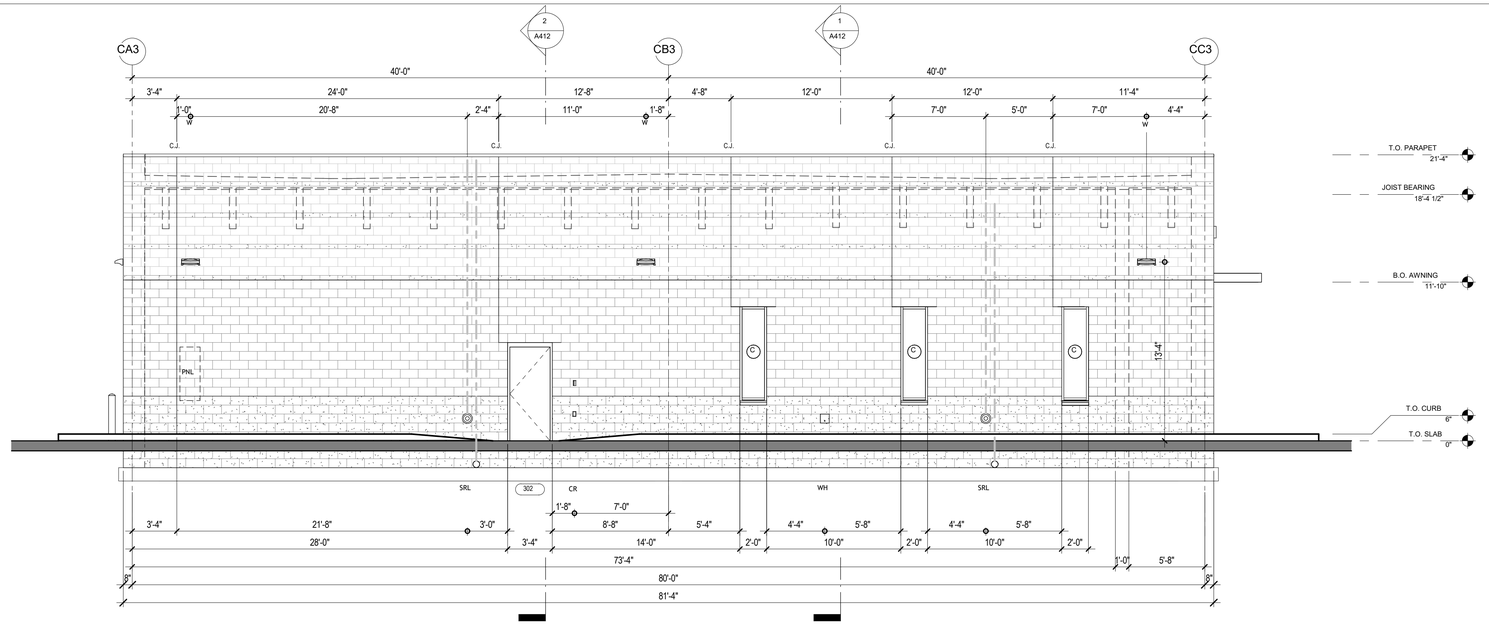
BUILDING 'C' ELEVATIONS

QUICK - TURNAROUND FACILITY

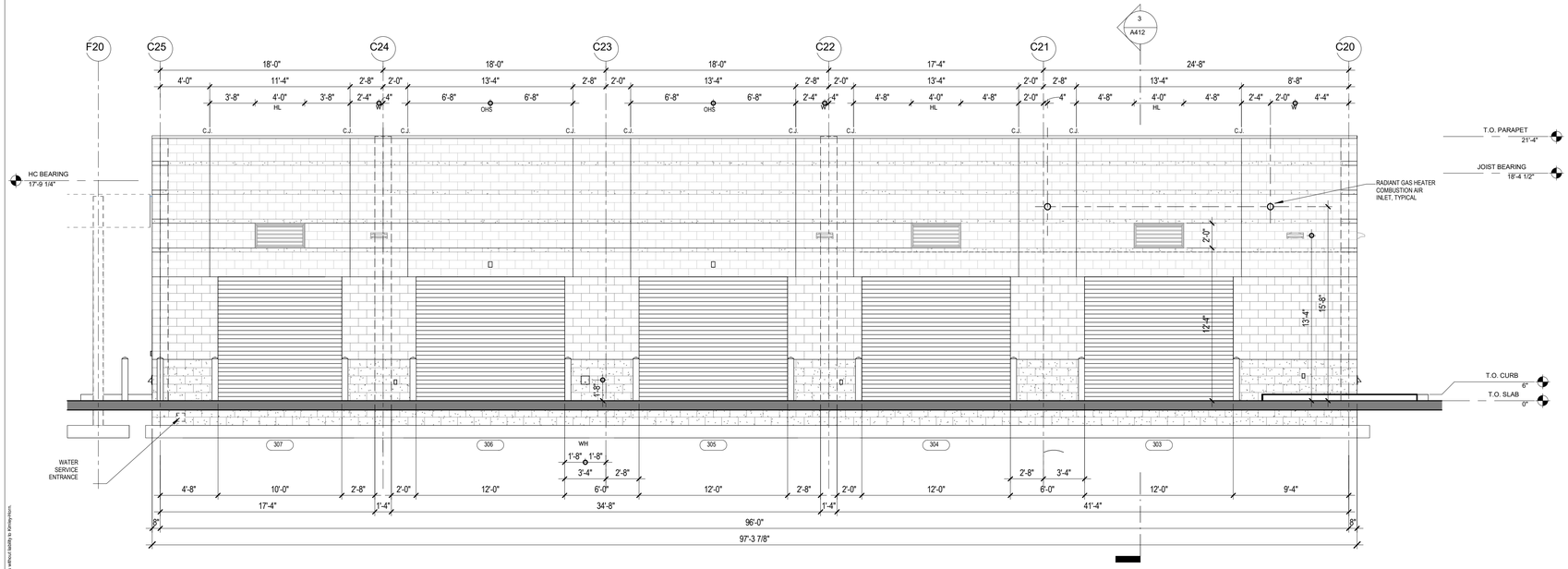
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2 3/16" = 1'-0" **BUILDING 'C' - WEST ELEVATION**



1 3/16" = 1'-0" **BUILDING 'C' - NORTH ELEVATION**

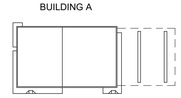
EXTERIOR ELEVATION NOTES

1) EXTERIOR FINISH LEGEND, REFER TO SHEET A201
2) DECORATIVE CMU VERTICAL PATTERN , REFER TO SHEET A410.

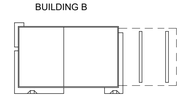
EXTERIOR ELEVATION LEGEND

XXX	DOOR NUMBER, REFER TO A031
X	GLAZING IDENTIFICATION, REFER TO A040
C.J.	MASONRY VENEER CONTROL JOINT LOCATION
CR	CARD READER
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SRL	SECONDARY RAIN LEADER
W	EXTERIOR WALL PACK
WH	EXTERIOR WALL HYDRANT

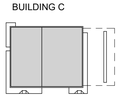
BUILDING A



BUILDING B



BUILDING C



SITE KEY



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TALLAHASSEE, FL 32301
FITZGERALD COLLABORATIVE GROUP, LLC
#27647

LICENSED PROFESSIONAL

ENGINEER NAME

FL LICENSE NUMBER
XXXXX

PROJECT NUMBER	DATE		
R1003144.00	JAN 2025	As Indicated	
		DESIGNED BY	-
		DRAWN BY	-
		CHECKED BY	-

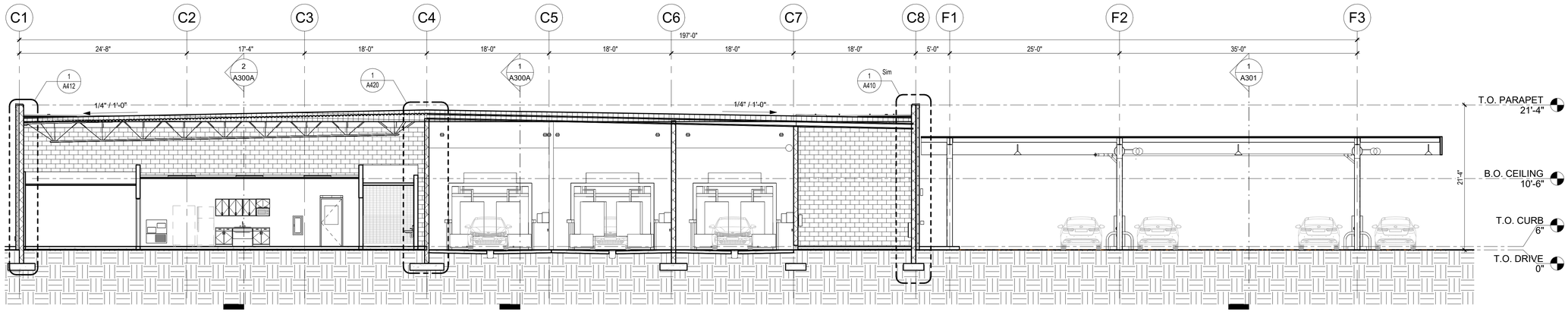
BUILDING 'C' ELEVATIONS

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
FLORIDA

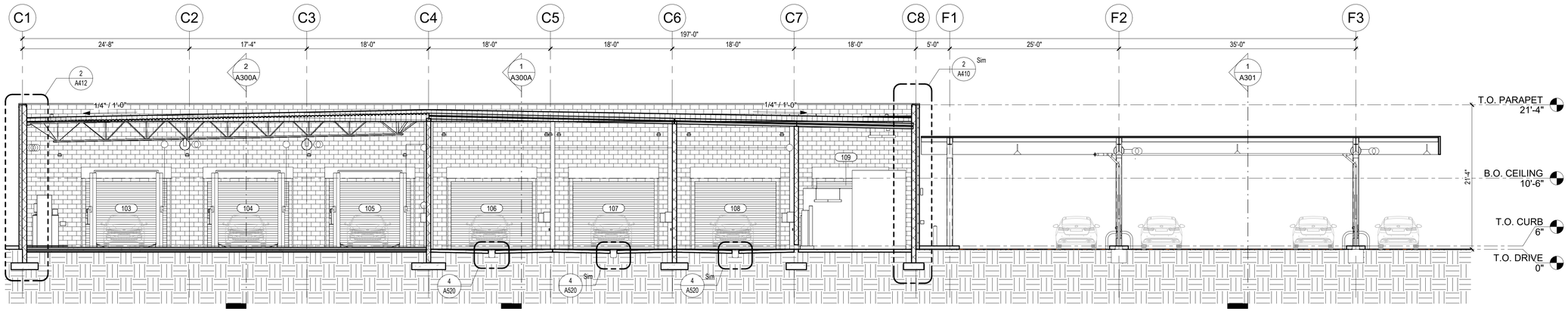
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A205

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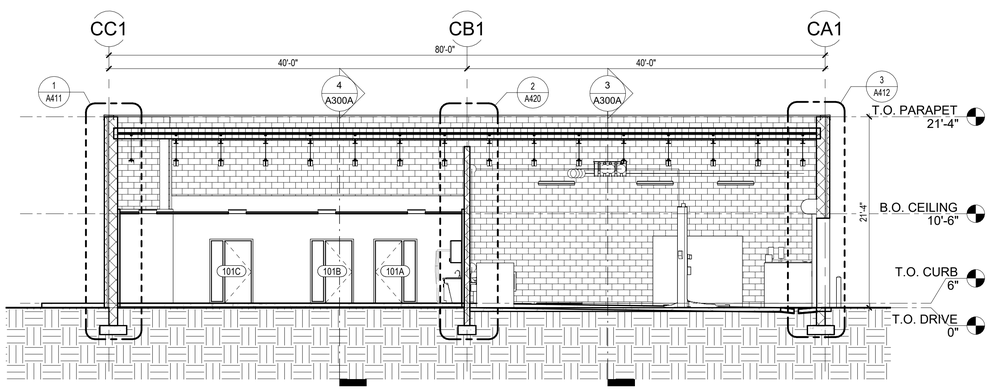
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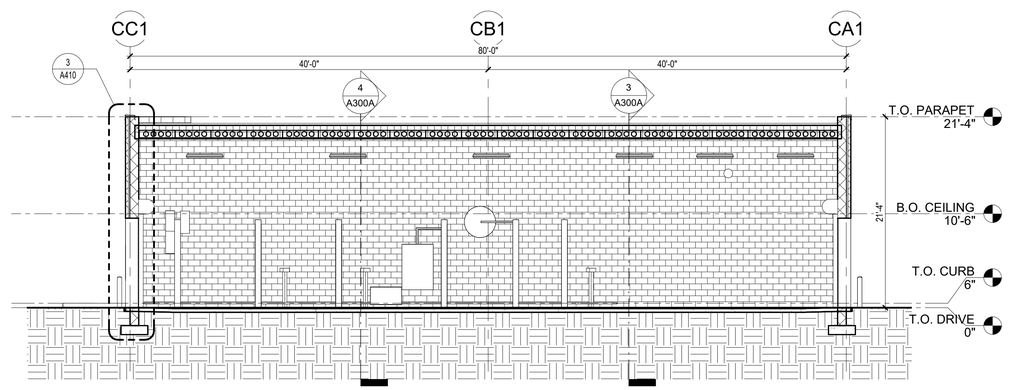
4 1/8" = 1'-0" **CAR WASH BUILDING SECTION 4 - BUILDING A**



3 1/8" = 1'-0" **CAR WASH BUILDING SECTION 3 - BUILDING A**



2 1/8" = 1'-0" **CAR WASH BUILDING SECTION 2 - BUILDING A**



1 1/8" = 1'-0" **CAR WASH BUILDING SECTION 1 - BUILDING A**

No.	REVISIONS	DATE	BY

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TALLAHASSEE, FL 32308 PHONE: 850-553-3500
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ENG/ARCH NAME

FL LICENSE NUMBER
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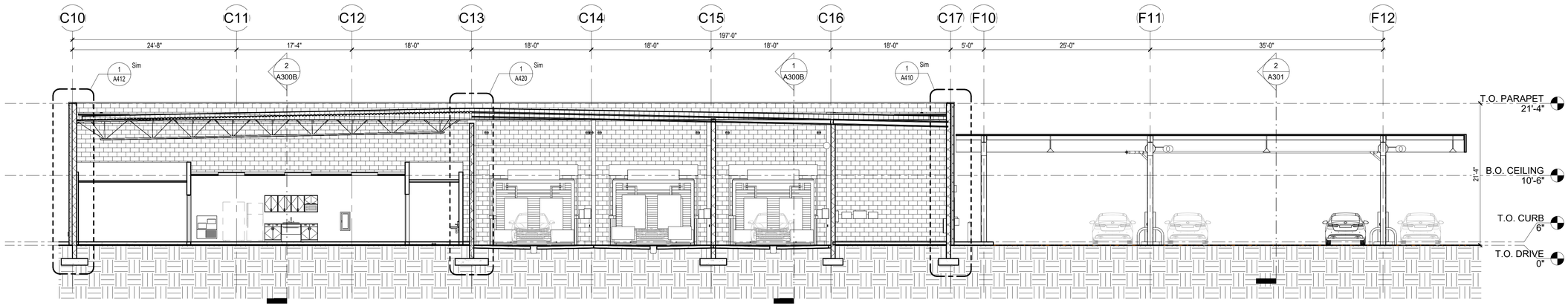
PROJECT NUMBER	R1003144.00
DATE	04/16/2021
1/8" = 1'-0"	
DESIGNED BY	PH
DRAWN BY	JR
CHECKED BY	JW

BUILDING SECTIONS - BUILDING A

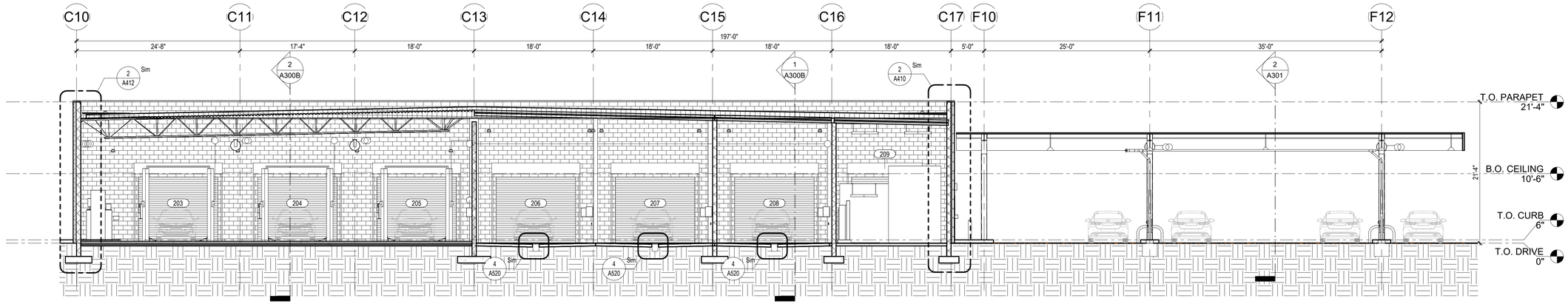
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SHEET NUMBER
A300A

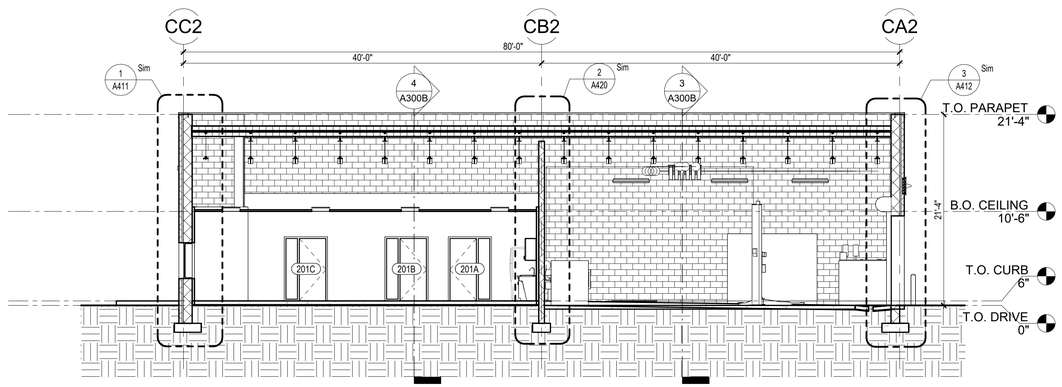
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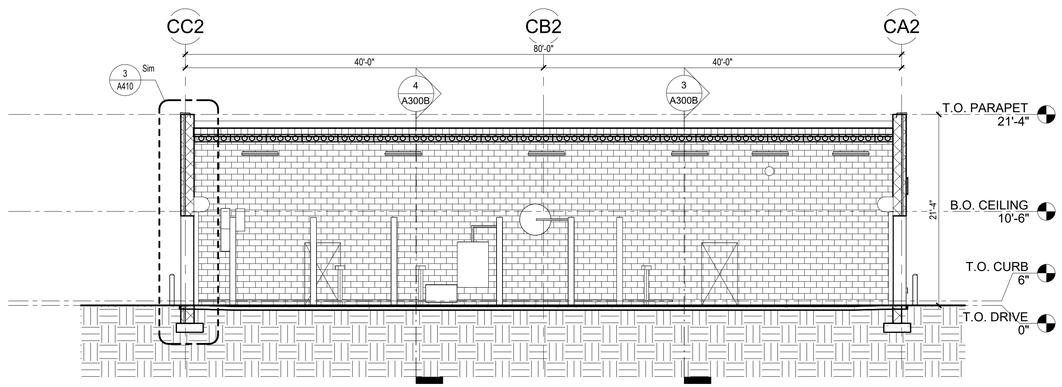
4 1/8" = 1'-0" **CAR WASH BUILDING SECTION 4 - BUILDING B**



3 1/8" = 1'-0" **CAR WASH BUILDING SECTION 3 - BUILDING B**



2 1/8" = 1'-0" **CAR WASH BUILDING SECTION 2 - BUILDING B**



1 1/8" = 1'-0" **CAR WASH BUILDING SECTION 1 - BUILDING B**

No.	REVISIONS	DATE	BY

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ATLANTA, GA 30318
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ENG/ARCH NAME

FL LICENSE NUMBER
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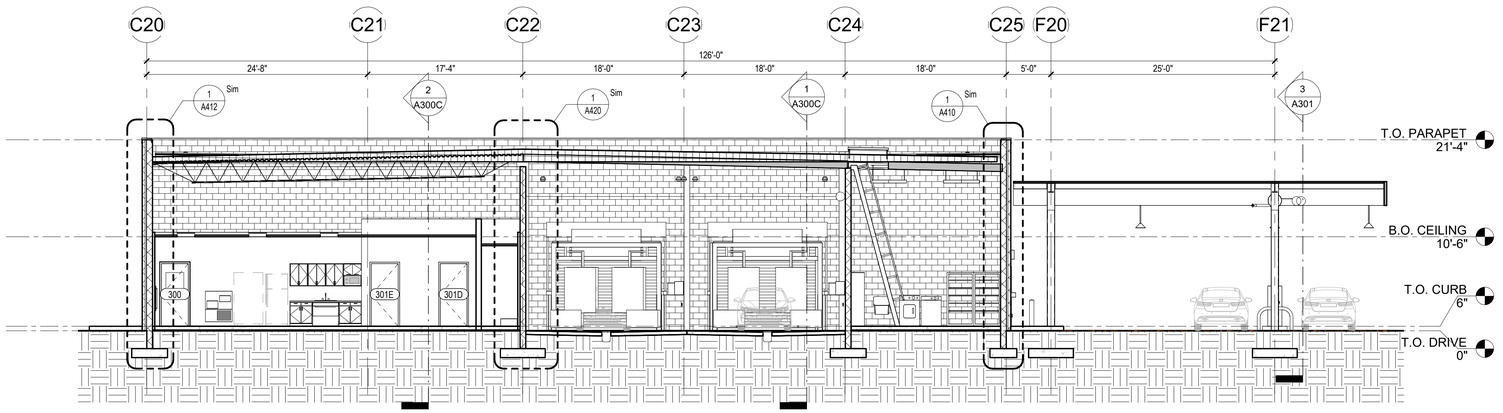
PROJECT NUMBER	R1003144.00
DATE	04/16/2021
1/8" = 1'-0"	
DESIGNED BY	PH
DRAWN BY	JR
CHECKED BY	JW

BUILDING SECTIONS - BUILDING B

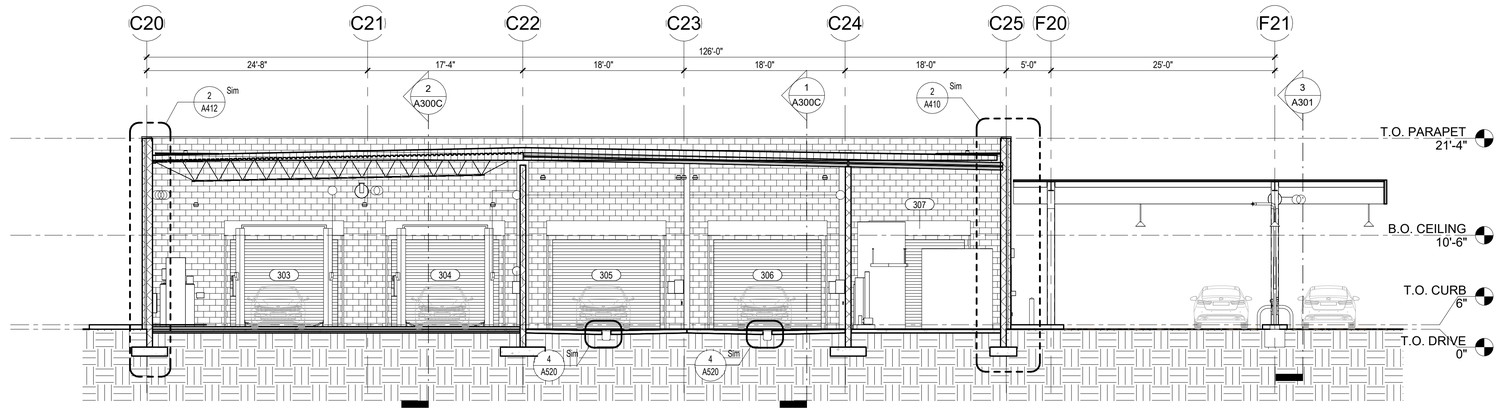
QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
A300B

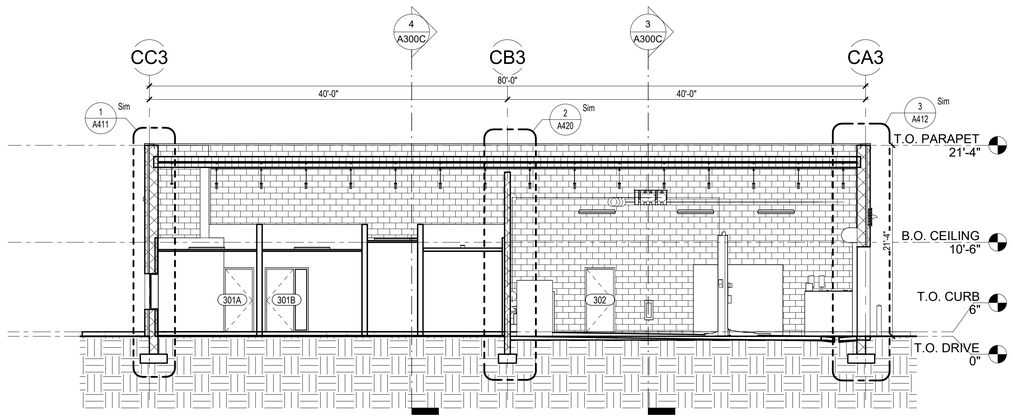
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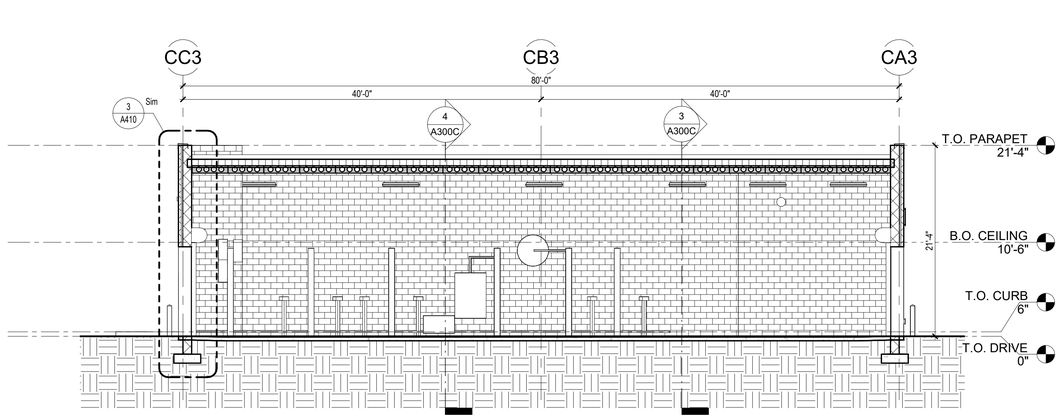
4 1/8" = 1'-0" **CAR WASH BUILDING SECTION 4 - BUILDING C**



3 1/8" = 1'-0" **CAR WASH BUILDING SECTION 3 - BUILDING C**



2 1/8" = 1'-0" **CAR WASH BUILDING SECTION 2- BUILDING C**



1 1/8" = 1'-0" **CAR WASH BUILDING SECTION 1 - BUILDING C**

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BUILDING SECTIONS - BUILDING C

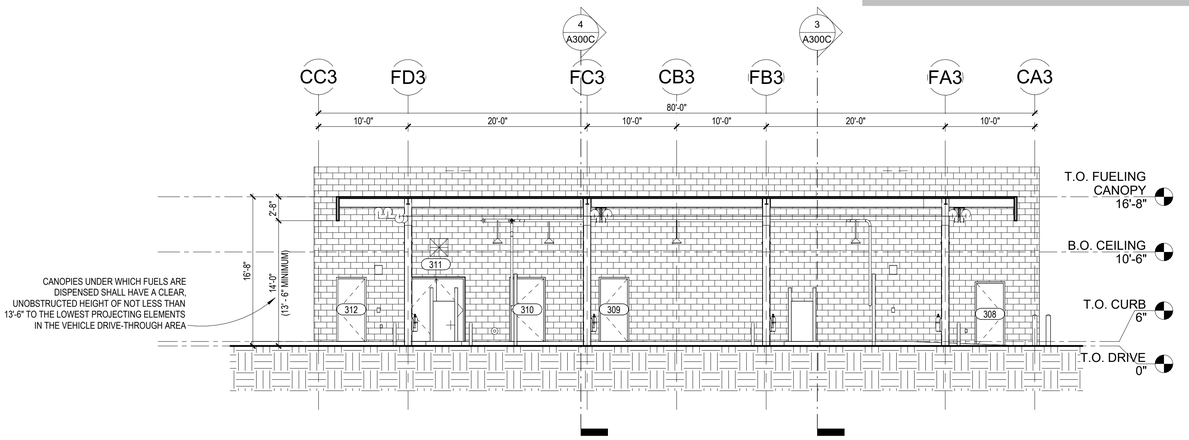
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SHEET NUMBER
A300C

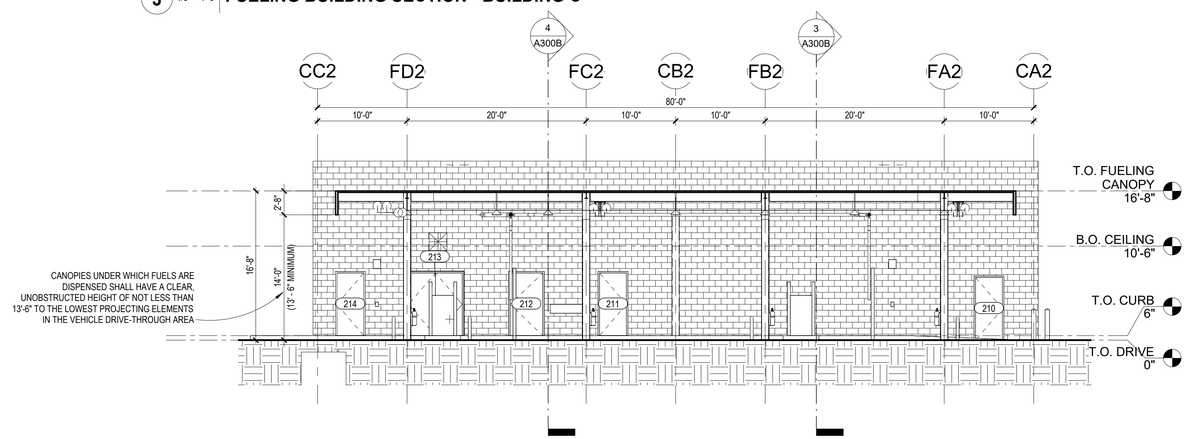
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PRE-ENGINEERED CANOPY REQUIREMENTS:

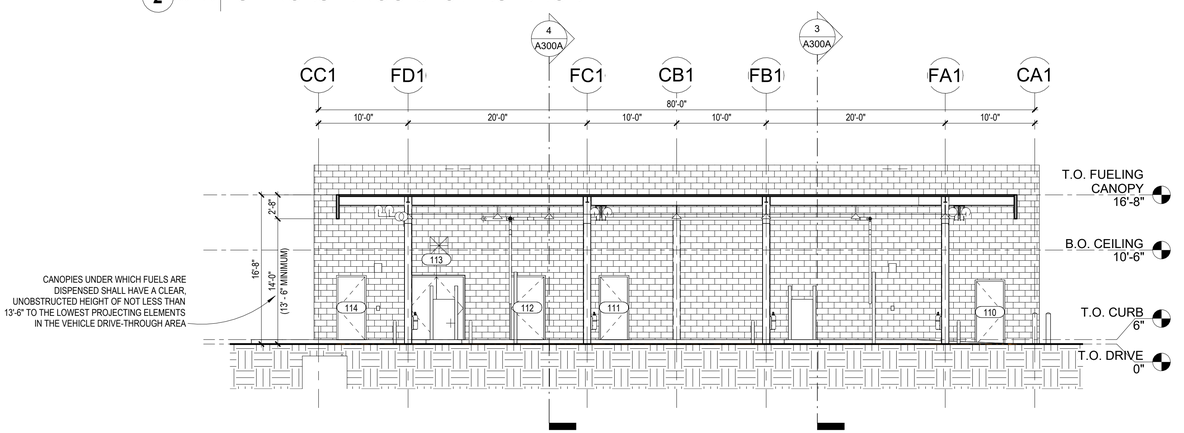
1. ROOF DECK TO BE ABOVE STRUCTURE
2. DRAINS TO BE ROUTED THROUGH CENTER OF COLUMNS TO TIE IN UNDERGROUND, RE: CIVIL



3 1/8" = 1'-0" **FUELING BUILDING SECTION - BUILDING C**



2 1/8" = 1'-0" **FUELING BUILDING SECTION - BUILDING B**



1 1/8" = 1'-0" **FUELING BUILDING SECTION - BUILDING A**

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER XXXXX

PROJECT NUMBER	R1003144.00
DATE	04/16/2021
	As indicated
DESIGNED BY	PH
DRAWN BY	JR
CHECKED BY	JW

FUELING CANOPY SECTIONS - BUILDINGS A, B & C

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

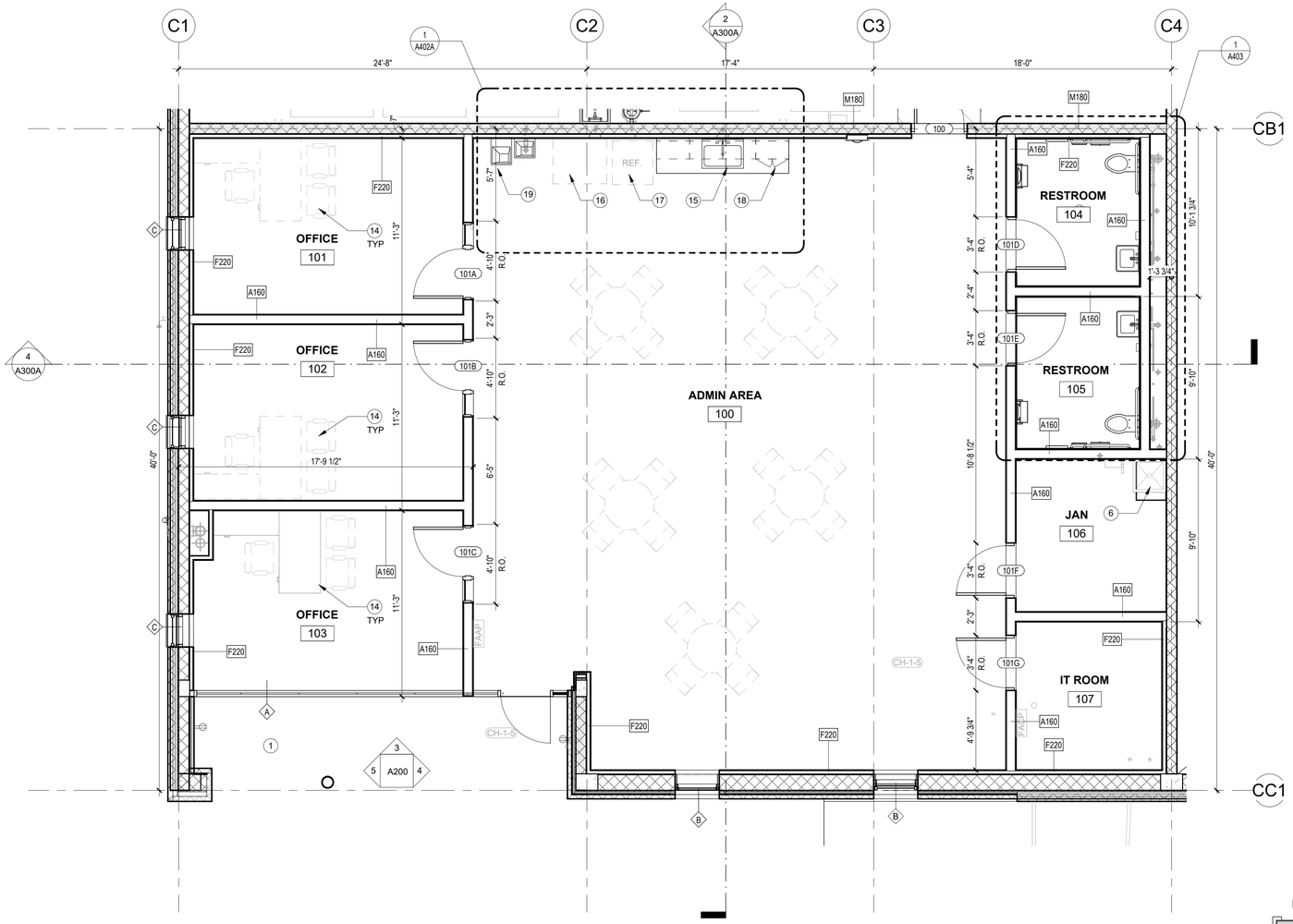
SHEET NUMBER
A301

PLAN GENERAL NOTES:

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4. ALL 36" WIDE INTERIOR SWING DOORS SHALL BE LOCATED 2'-0" FROM CENTER OF DOOR TO PERPENDICULAR SURFACE OF ADJACENT WALL AT DOOR JAMB U.N.O.
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10. PROVIDE IN-WALL REINFORCEMENT FOR ALL WALL MOUNTED FURNITURE AND EQUIPMENT AS REQUIRED.

KEYNOTE LEGEND:

1. 6" CONCRETE CURB - RE: CIVIL
2. ADA ACCESS RAMP
3. TRENCH DRAIN - RE: PLUMBING
4. 6" CONCRETE FILLED STEEL BOLLARD - RE: CIVIL
5. EYE WASH - RE: PLUMBING
6. MOP SINK
7. MAINTENANCE BAY LIFTS - RE: FUELING
8. SAFETY AISLE
9. OIL TANK - RE: FUELING
10. TIRE RACK - RE: FUELING
11. WORK BENCH - RE: FUELING
12. WHEEL BALANCER - RE: FUELING
13. TIRE CHANGER - RE: FUELING
14. FURNITURE - TO BE PROVIDED BY TENANT
15. SINK - RE: PLUMBING
16. VENDING MACHINE -TO BE PROVIDED BY TENANT - RE: ELECTRICAL & PLUMBING
17. REFRIGERATOR - TO BE PROVIDED BY TENANT - RE: ELECTRICAL & PLUMBING
18. MILLWORK - RE: A402A
19. DUAL HEIGHT DRINKING FOUNTAIN WITH BOTTLE FILLER - RE: PLUMBING
20. PRE-MANUFACTURED TRENCH DRAIN AT CAR WASH BAYS, ZURN Z882 BASIS OF DESIGN.
21. PRE-MANUFACTURED CATCH BASIN WITH HEAVY DUTY FRAME AND SEDIMENT BUCKET, ZURN Z887-24-HD BASIS OF DESIGN. (2) Z882 INLET ADAPTERS, (1) EACH SIDE FOR TRENCH TIE-IN.



1 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING A - ADMINISTRATION**

BUILDING A BUILDING B BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER XXXXX

PROJECT NUMBER	R10003144.00
DATE	04/16/2021
N.T.S.	
DESIGNED BY	PH
DRAWN BY	JR
CHECKED BY	JW

ENLARGED FLOOR PLANS - BUILDING A

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A400A-1

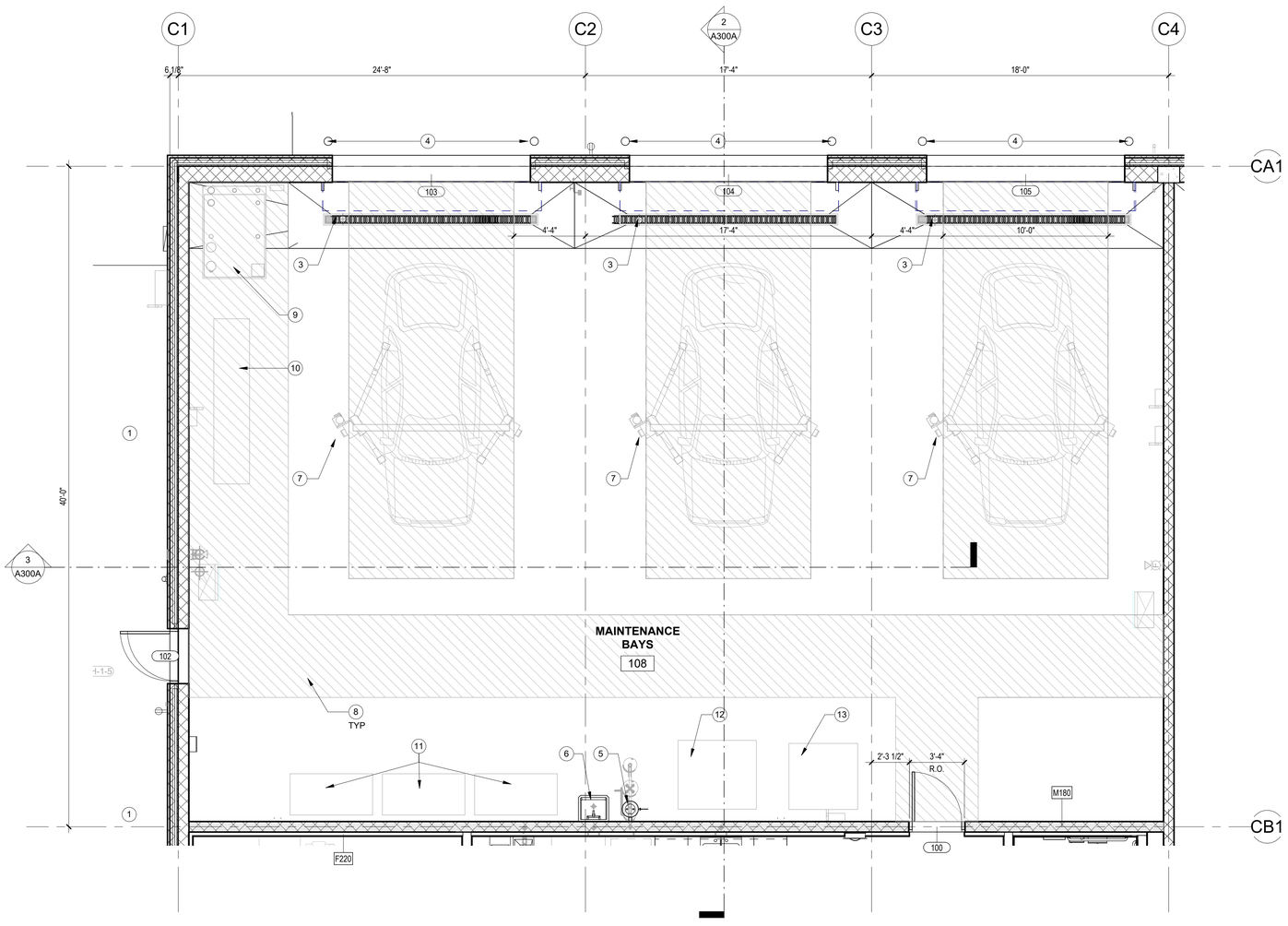
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BUILDING A BUILDING B BUILDING C

SITE KEY

1 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING A - MAINTENANCE BAYS**

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ENG/ARCH NAME

FL LICENSE NUMBER
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PROJECT NUMBER R1003144.00
DATE 04/16/2021
N.T.S.
DESIGNED BY PH
DRAWN BY JR
CHECKED BY JW

ENLARGED FLOOR PLANS - BUILDING A

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A400A-2

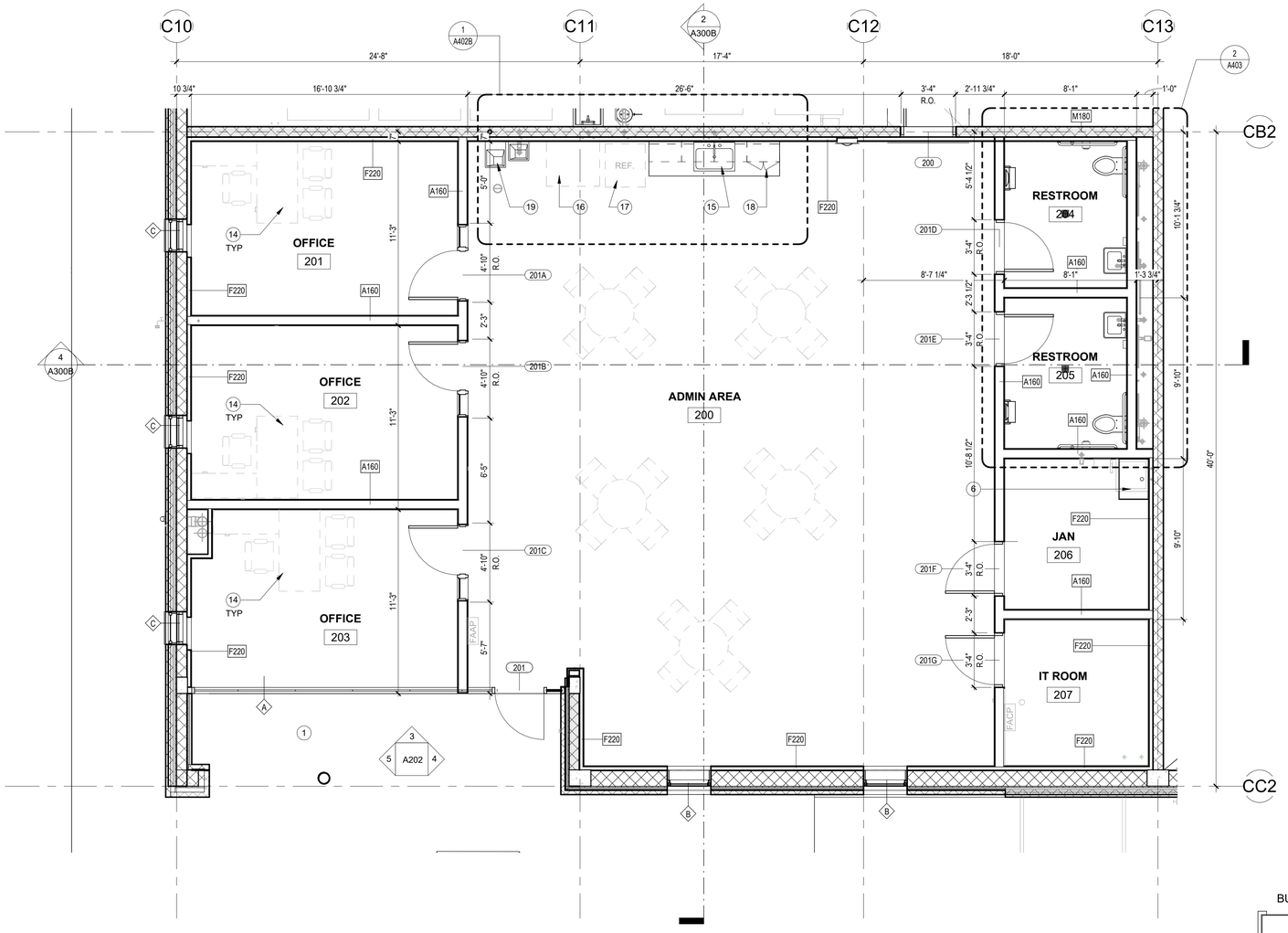
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1 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING B - ADMINISTRATION**

BUILDING A BUILDING B BUILDING C

SITE KEY

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ENLARGED FLOOR PLANS - BUILDING B

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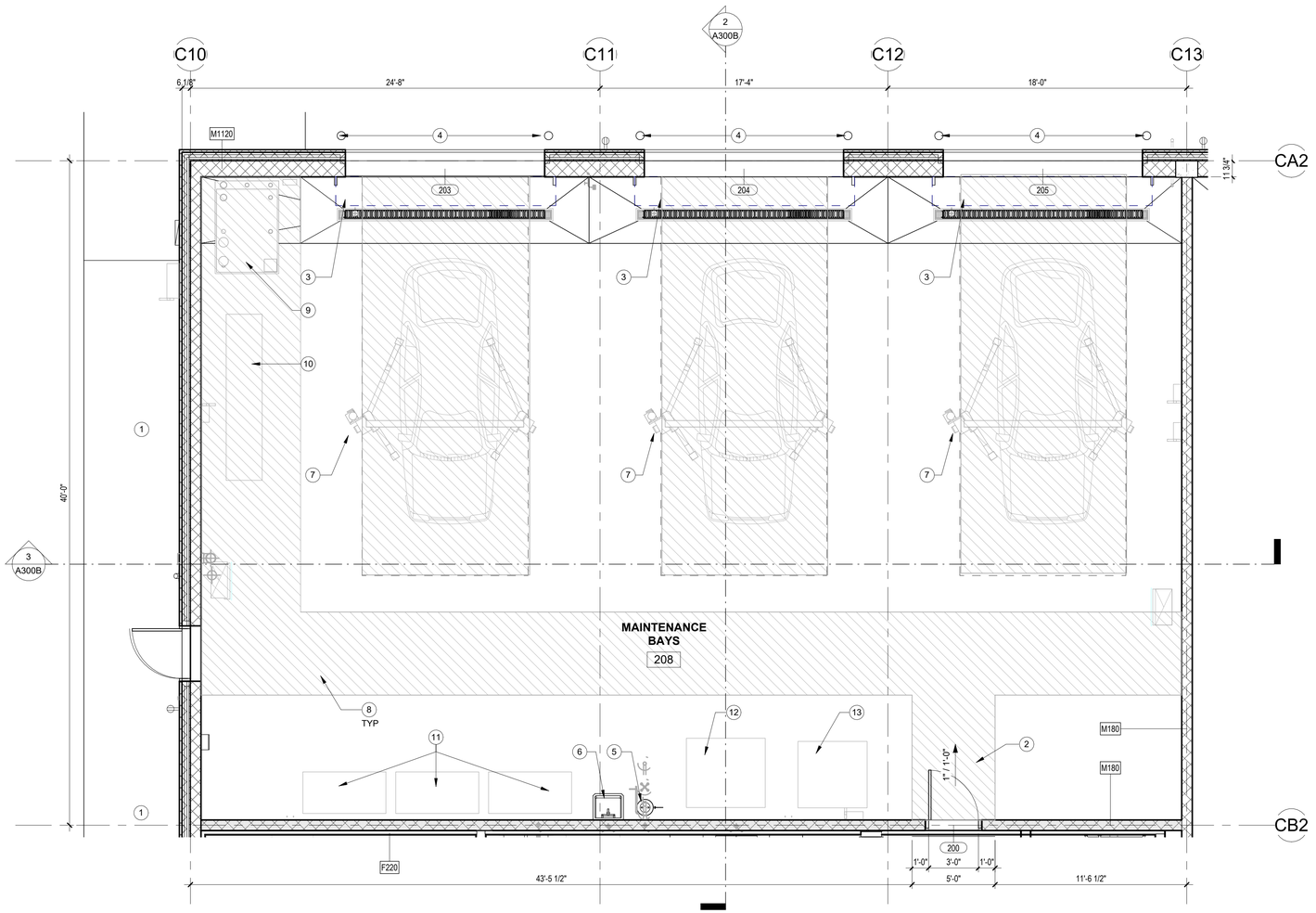
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BUILDING A

BUILDING B

BUILDING C

SITE KEY

1 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING B - MAINTENANCE BAYS**

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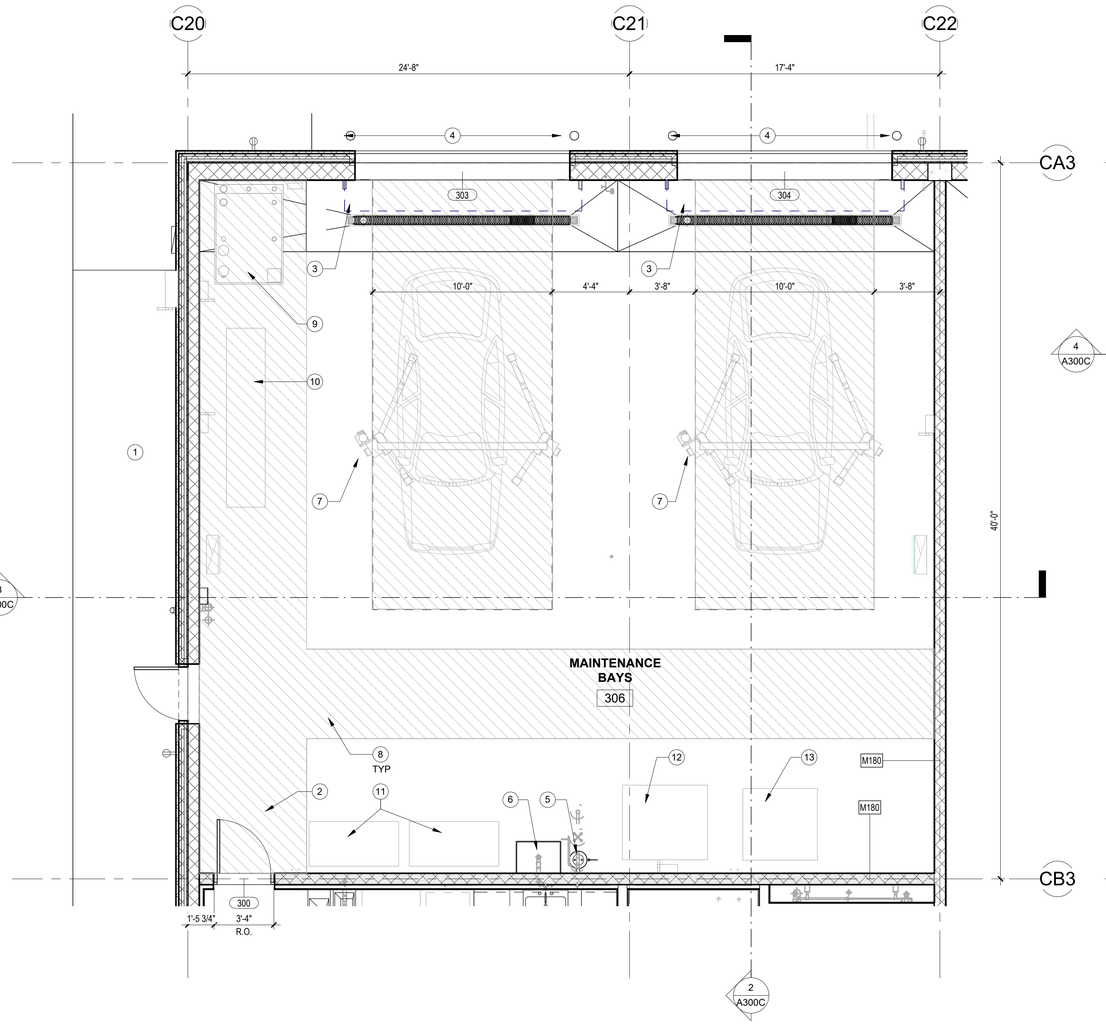
SHEET NUMBER
A400B-2

PLAN GENERAL NOTES:

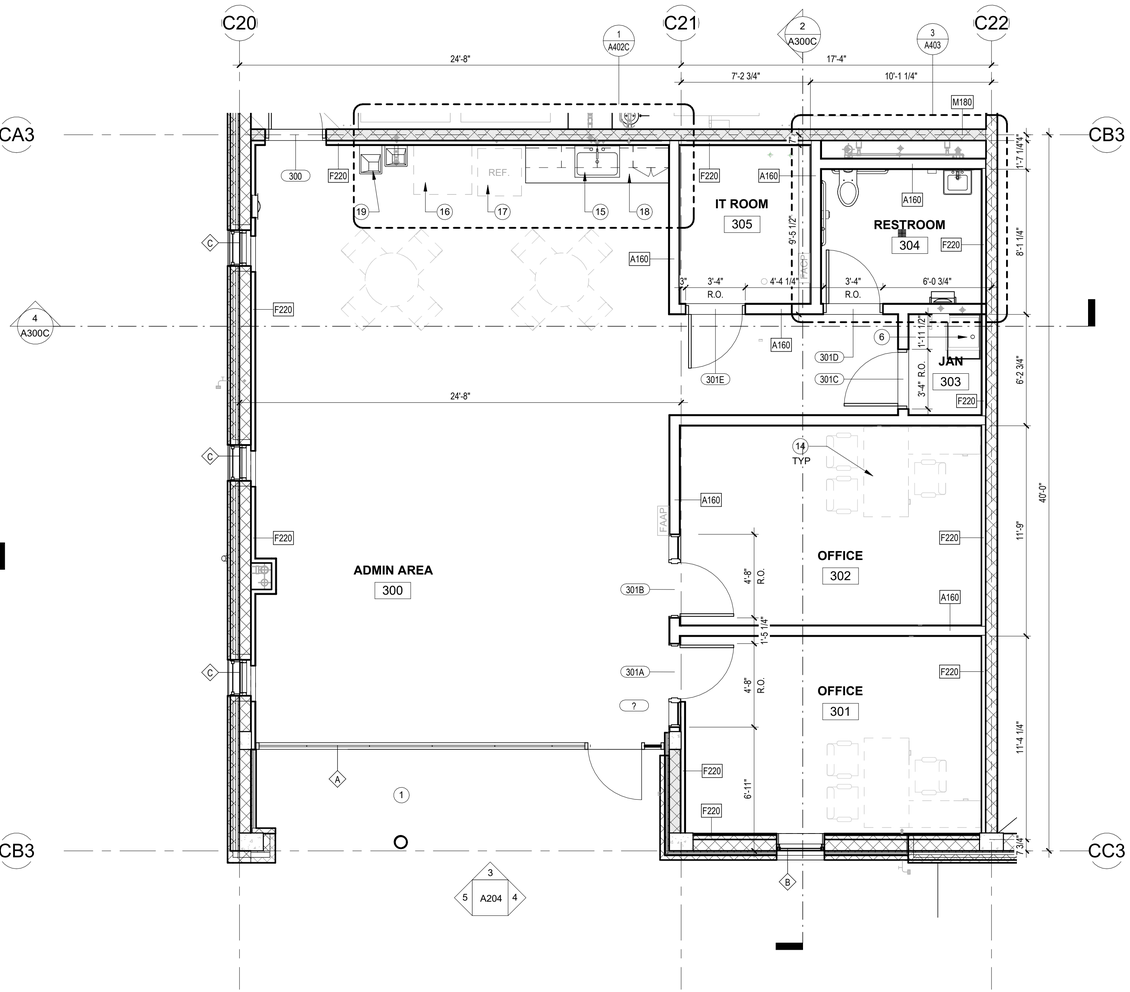
1. ROOM AND DOOR REFERENCE NUMBERS ARE FOR CONSTRUCTION COORDINATION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER FOR FINAL ROOM & DOOR IDENTIFICATION.
2. DO NOT SCALE DIMENSIONS FROM DRAWINGS, ANY UNKNOWN DIMENSION SHALL BE OBTAINED FROM DESIGN PROFESSIONALS VIA REQUEST FOR INFORMATION (RFI).
3. ALL DIMENSIONS ARE TO FACE OF STUD, GRID LINES AND FACE OF MASONRY INFILL WALL U.N.O. ALL DIMENSIONS TO EXISTING WALLS ARE TO FACE OF WALL ASSEMBLY U.N.O.
4. ALL 36" WIDE INTERIOR SWING DOORS SHALL BE LOCATED 2'-0" FROM CENTER OF DOOR TO PERPENDICULAR SURFACE OF ADJACENT WALL AT DOOR JAMB U.N.O.
5. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
6. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCY, INACCURACY OR CONFLICTING INFORMATION BEFORE EXECUTION OF WORK.
7. REFER TO WALL TYPE SCHEDULE FOR ADDITIONAL INFORMATION.
8. ALL SHAFTS PENETRATING SLAB SHALL BE RATED 2HR.
9. CONTRACTOR SHALL FIELD COORDINATE LOCATION, SIZE AND TYPE OF BLOCKING FOR INSTALLATION OF SIGNAGE, PLUMBING FIXTURES, MILLWORK, ETC. ALL CONCEALED WOOD SHALL BE FIRE RETARDANT TREATED (F.R.T).
10. PROVIDE IN-WALL REINFORCEMENT FOR ALL WALL MOUNTED FURNITURE AND EQUIPMENT AS REQUIRED.

KEYNOTE LEGEND:

1. 6" CONCRETE CURB - RE: CIVIL
2. ADA ACCESS RAMP
3. TRENCH DRAIN - RE: PLUMBING
4. 6" CONCRETE FILLED STEEL BOLLARD - RE: CIVIL
5. EYE WASH - RE: PLUMBING
6. MOP SINK
7. MAINTENANCE BAY LIFTS - RE: FUELING
8. SAFETY AISLE
9. OIL TANK - RE: FUELING
10. TIRE RACK - RE: FUELING
11. WORK BENCH - RE: FUELING
12. WHEEL BALANCER - RE: FUELING
13. TIRE CHANGER - RE: FUELING
14. FURNITURE - TO BE PROVIDED BY TENANT
15. SINK - RE: PLUMBING
16. VENDING MACHINE -TO BE PROVIDED BY TENANT - RE: ELECTRICAL & PLUMBING
17. REFRIGERATOR - TO BE PROVIDED BY TENANT - RE: ELECTRICAL & PLUMBING
18. MILLWORK - RE: A402A
19. DUAL HEIGHT DRINKING FOUNTAIN WITH BOTTLE FILLER - RE: PLUMBING
20. PRE-MANUFACTURED TRENCH DRAIN AT CAR WASH BAYS, ZURN Z882 BASIS OF DESIGN.
21. PRE-MANUFACTURED CATCH BASIN WITH HEAVY DUTY FRAME AND SEDIMENT BUCKET, ZURN Z887-24-HD BASIS OF DESIGN. (2) Z882 INLET ADAPTERS, (1) EACH SIDE FOR TRENCH TIE-IN.



2 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING C - MAINTENANCE BAYS**



1 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING C - ADMINISTRATION**

BUILDING A BUILDING B BUILDING C

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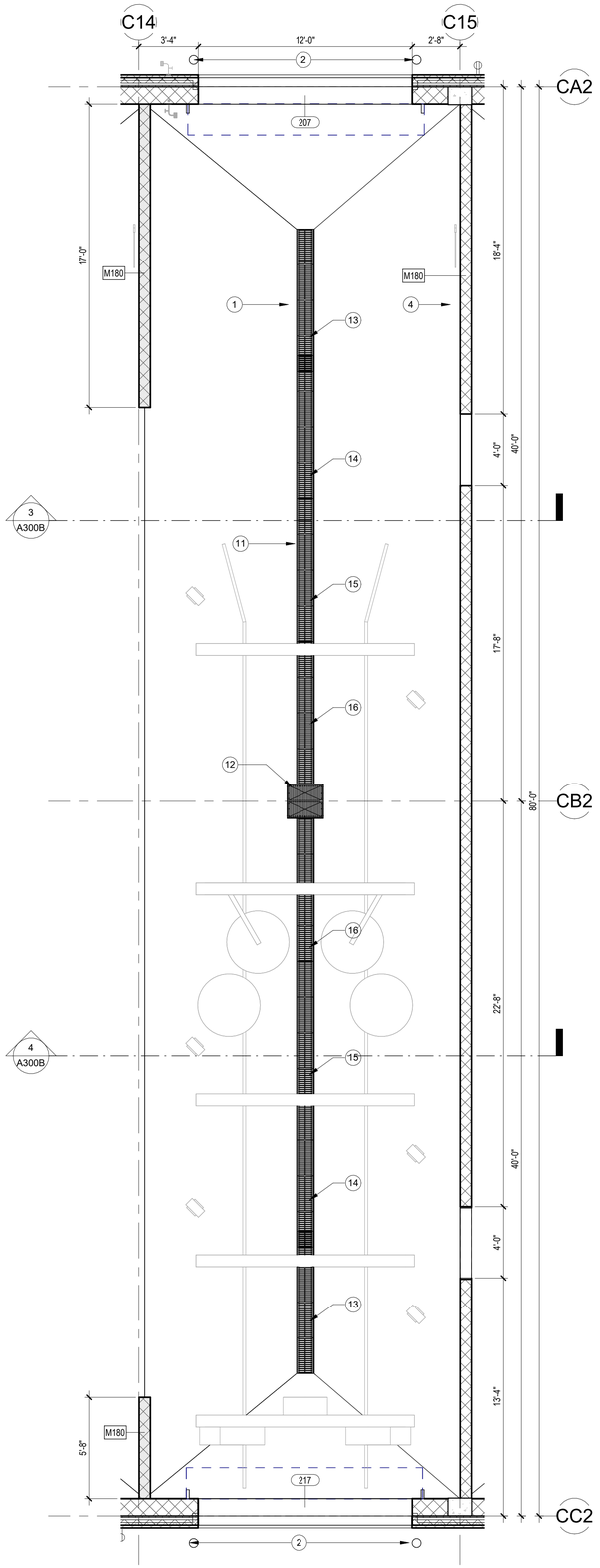
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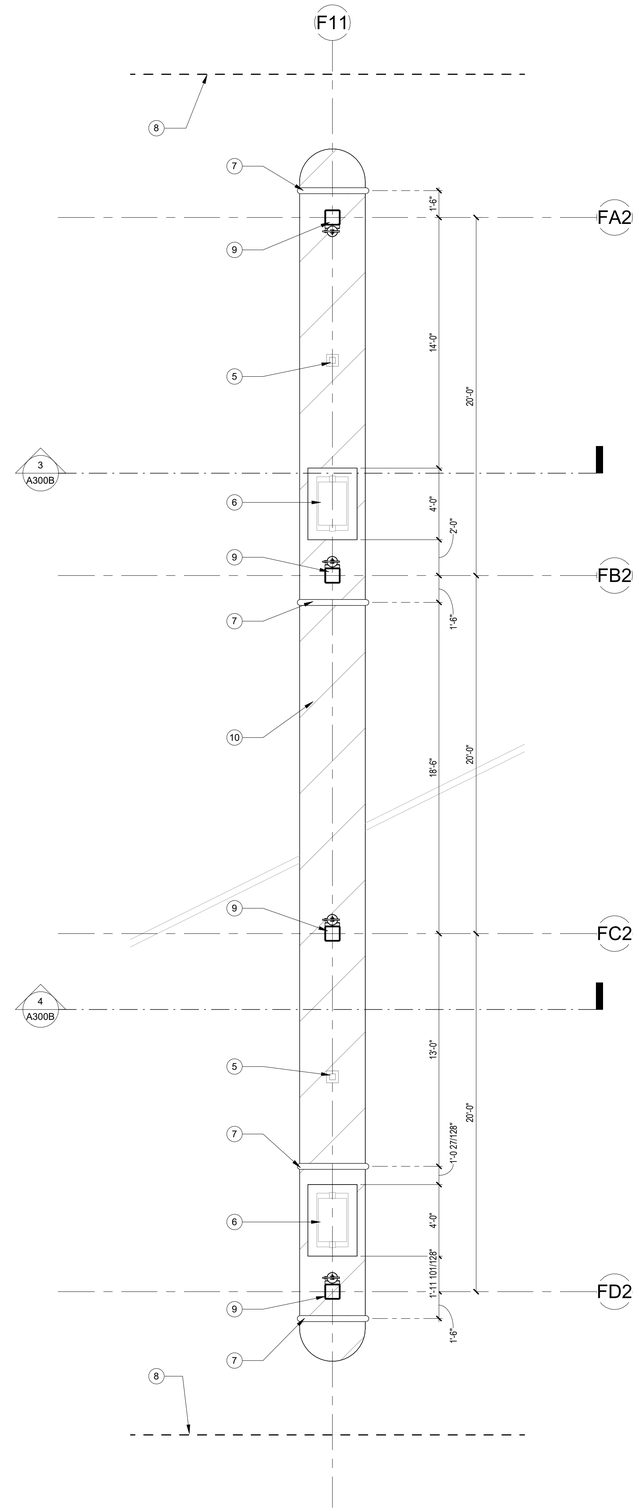
ENLARGED FLOOR PLANS - BUILDING C

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
A400C



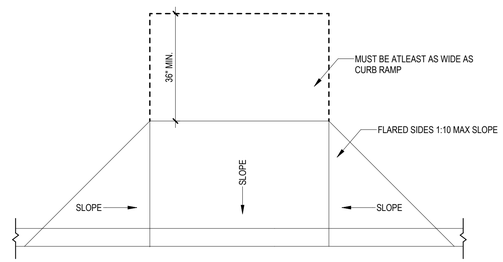
4 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING A & B - TYPICAL CAR WASH BAY**



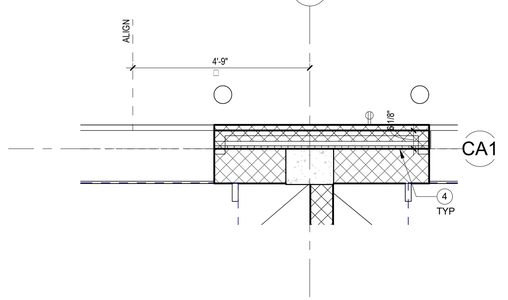
3 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING A & B - TYPICAL FUEL ISLAND**

KEYNOTE LEGEND:

1. TRENCH DRAIN - RE: PLUMBING
2. 6" CONCRETE FILLED STEEL BOLLARD - RE: CIVIL
3. CARWASH EQUIPMENT - RE: FUELING
4. PRESSURE WASHER WAND - RE: FUELING
5. VACUUM - RE: FUELING
6. FUEL DISPENSER ON CONCRETE CURB - RE: FUELING
7. U-SHAPED BOLLARD - RE: CIVIL
8. OVERHEAD CANOPY
9. TUBE STEEL COLUMNS
10. STRIPING
11. PRE-MANUFACTURED TRENCH DRAIN AT CAR WASH BAYS, ZURN Z882 BASIS OF DESIGN.
12. PRE-MANUFACTURED CATCH BASIN WITH HEAVY DUTY FRAME AND SEDIMENT BUCKET, ZURN Z887-24-HD BASIS OF DESIGN. (2) Z882 INLET ADAPTERS, (1) EACH SIDE FOR TRENCH TIE-IN.
13. PRE-MANUFACTURED TRENCH DRAIN, ZURN Z882-HDG (TRENCH NO. 8201) BASIS OF DESIGN
14. PRE-MANUFACTURED TRENCH DRAIN, ZURN Z882-HDG (TRENCH NO. 8202) BASIS OF DESIGN
15. PRE-MANUFACTURED TRENCH DRAIN, ZURN Z882-HDG (TRENCH NO. 8203) BASIS OF DESIGN
16. PRE-MANUFACTURED TRENCH DRAIN, ZURN Z882-HDG (TRENCH NO. 8204) BASIS OF DESIGN



2 1/2" = 1'-0" **TYP. DETAIL - ADA CURB RAMP**



1 1/2" = 1'-0" **ENLARGED PLAN DETAIL - TYPICAL BOLLARD**

BUILDING A BUILDING B BUILDING C

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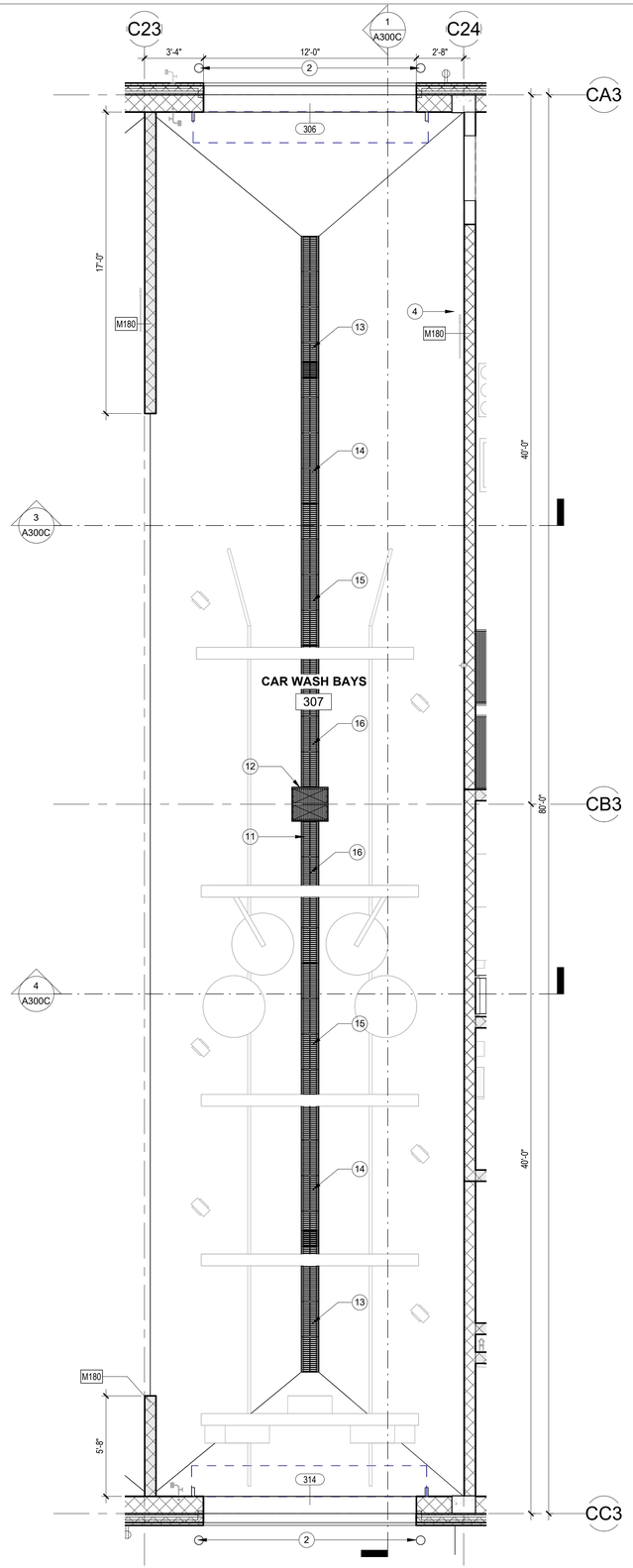
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ENLARGED FLOOR PLANS - BUILDINGS A & B

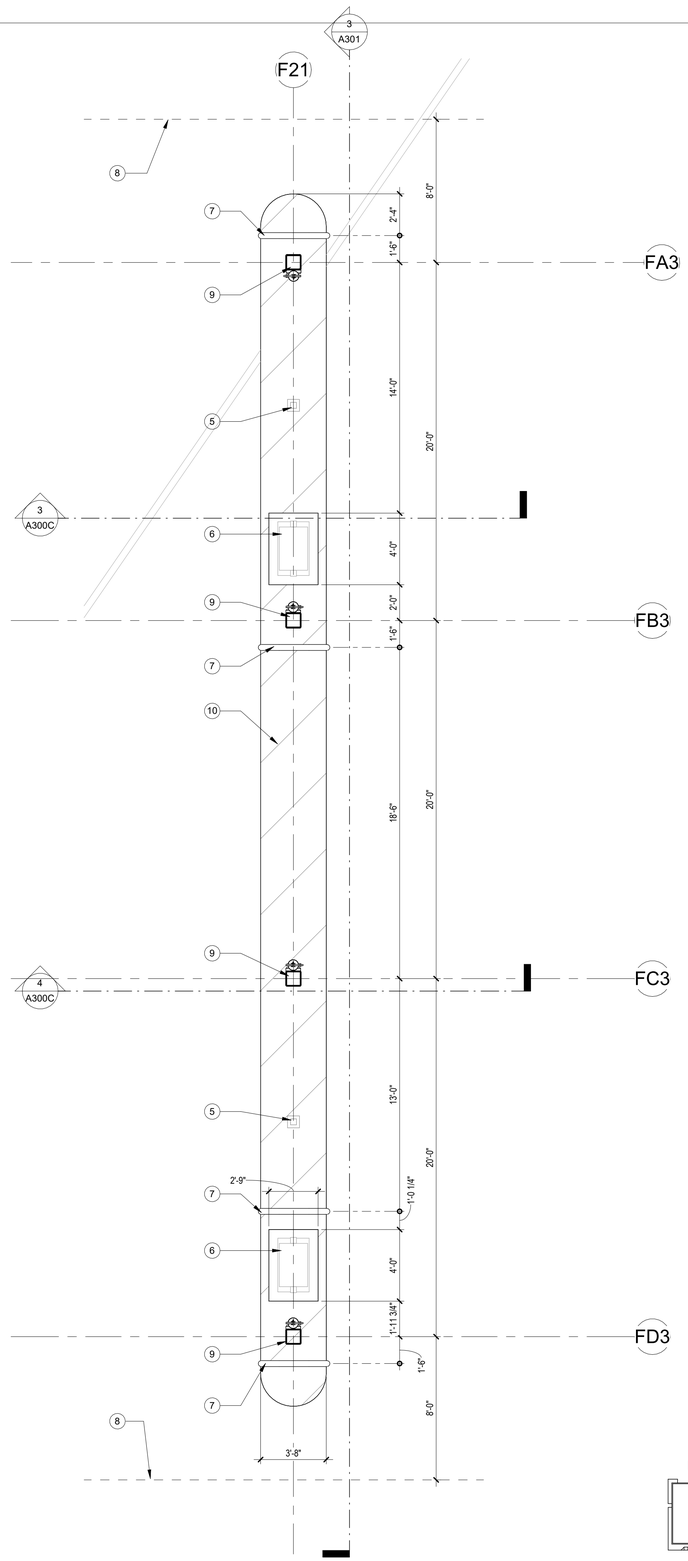
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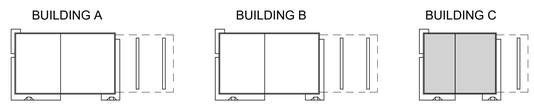
2 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING C - TYPICAL CAR WASH BAY**



1 1/4" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING C - TYPICAL FUEL ISLAND**

KEYNOTE LEGEND:

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2. 6" CONCRETE FILLED STEEL BOLLARD - RE: CIVIL
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ENLARGED FLOOR PLANS - BUILDING C

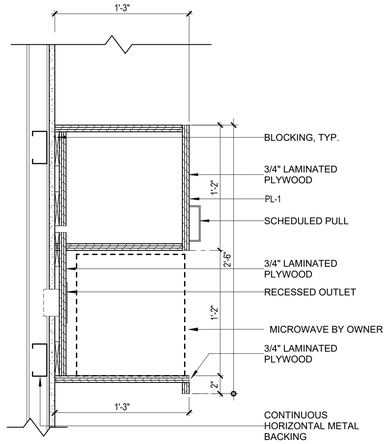
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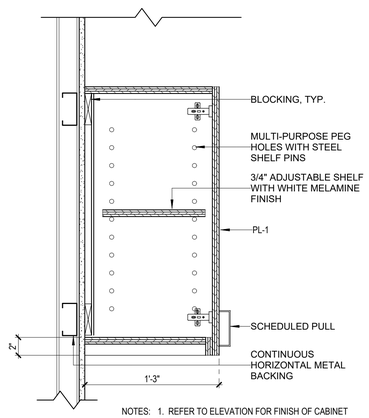
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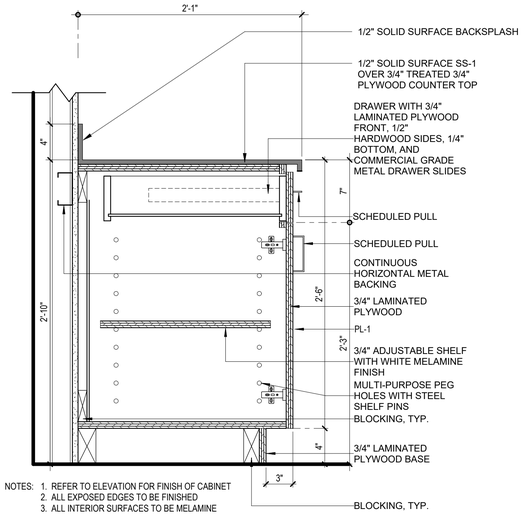
NOTES: 1. REFER TO ELEVATION FOR FINISH OF CABINET
2. ALL EXPOSED EDGES TO BE P-LAM
3. ALL INTERIOR SURFACES TO BE MELAMINE

6 1 1/2" = 1'-0" **UPPER CABINET MICROWAVE**



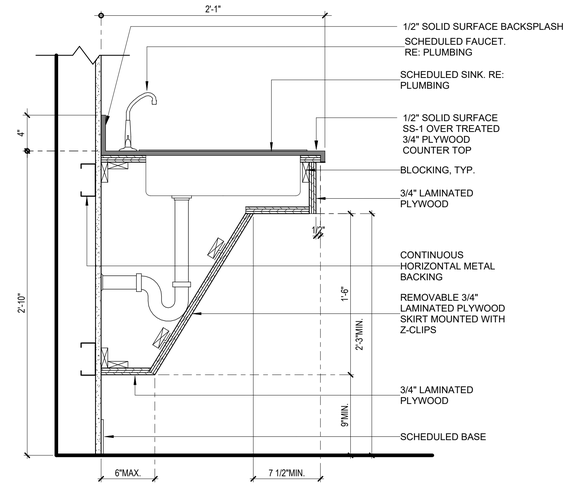
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2. ALL EXPOSED EDGES TO BE P-LAM
3. ALL INTERIOR SURFACES TO BE MELAMINE

5 1 1/2" = 1'-0" **UPPER CABINET**



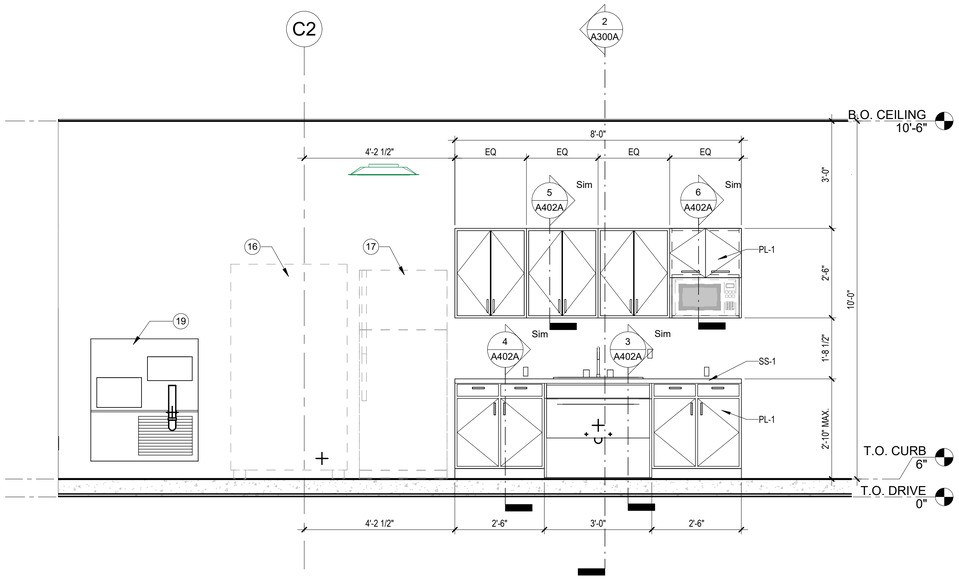
NOTES: 1. REFER TO ELEVATION FOR FINISH OF CABINET
2. ALL EXPOSED EDGES TO BE FINISHED
3. ALL INTERIOR SURFACES TO BE MELAMINE

4 1 1/2" = 1'-0" **BASE CABNIET**

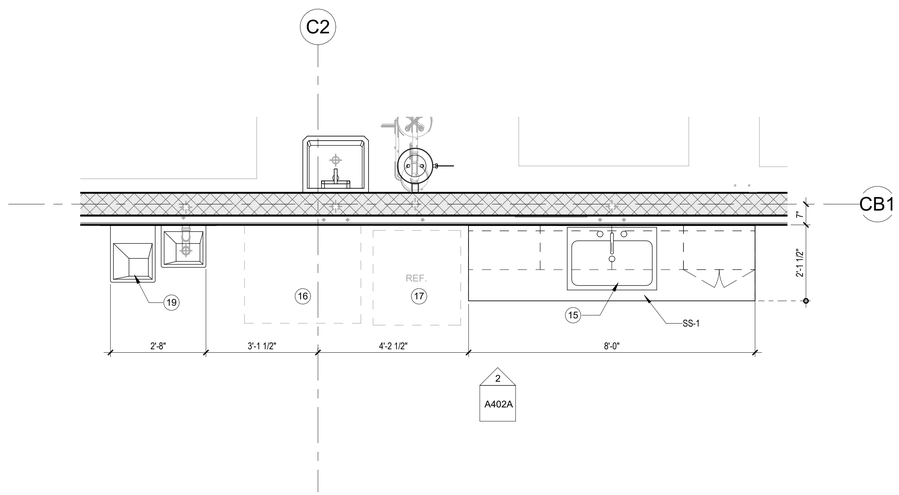


NOTES: 1. REFER TO ELEVATION FOR FINISH OF CABINET
2. ALL EXPOSED EDGES TO BE FINISHED
3. ALL INTERIOR SURFACES TO BE MELAMINE

3 1 1/2" = 1'-0" **BASE CABINET SINK**



2 1/2" = 1'-0" **BUILDING A - SHARED BREAKROOM ELEVATION**



1 1/2" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING A - SHARED BREAKROOM PLAN**

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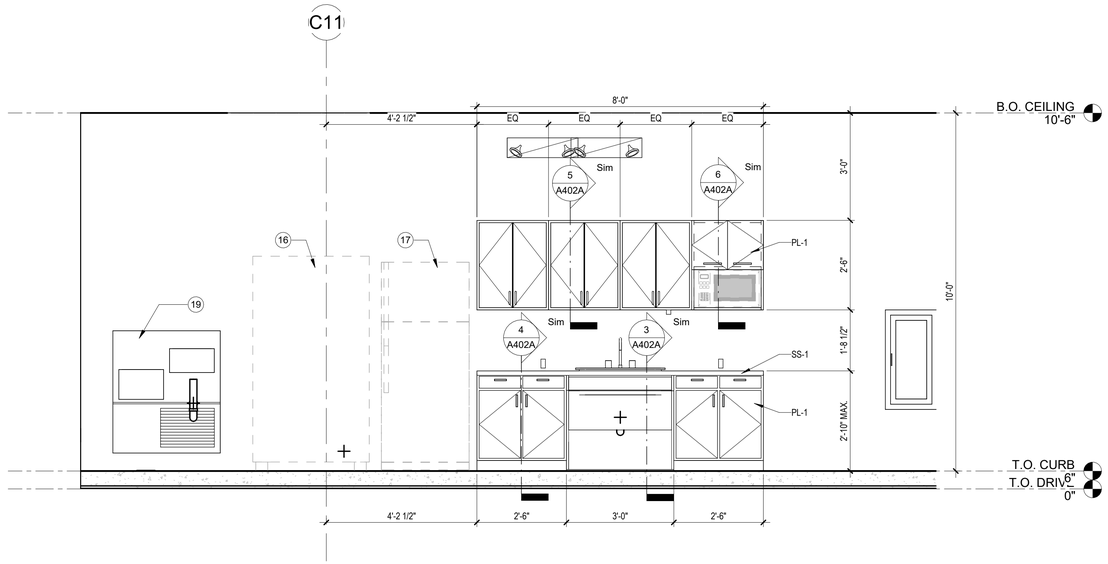
ENLARGED BREAKROOM - BUILDING A

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FLORIDA

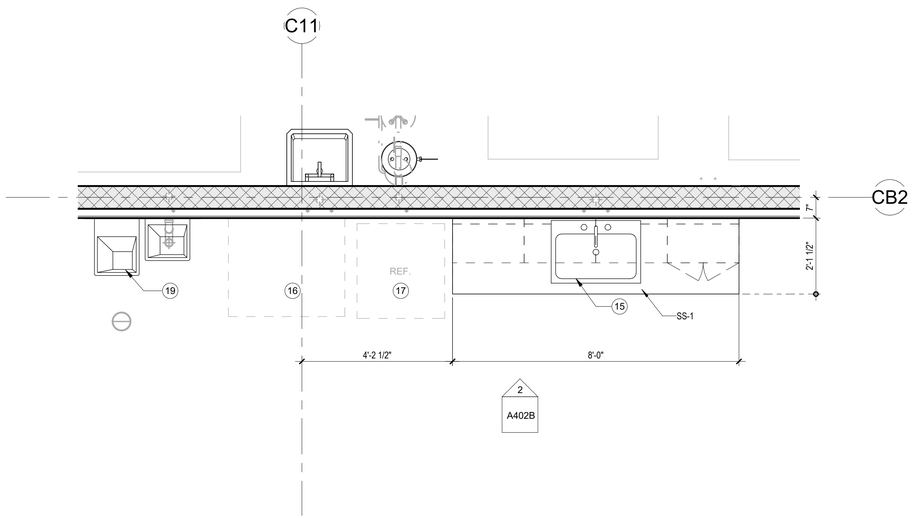
SHEET NUMBER
A402A

KEYNOTE LEGEND:

1. 6" CONCRETE CURB - RE: CIVIL
2. ADA ACCESS RAMP
3. TRENCH DRAIN - RE: PLUMBING
4. 6" CONCRETE FILLED STEEL BOLLARD - RE: CIVIL
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2 1/2" = 1'-0" **BUILDING B - SHARED BREAKROOM ELEVATION**



1 1/2" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING B - SHARED BREAKROOM**

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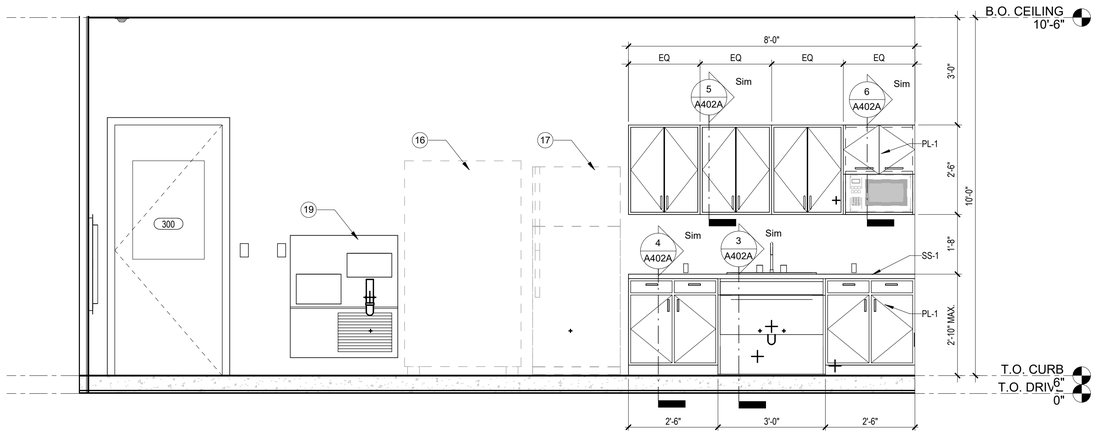
ENLARGED BREAKROOM - BUILDING B

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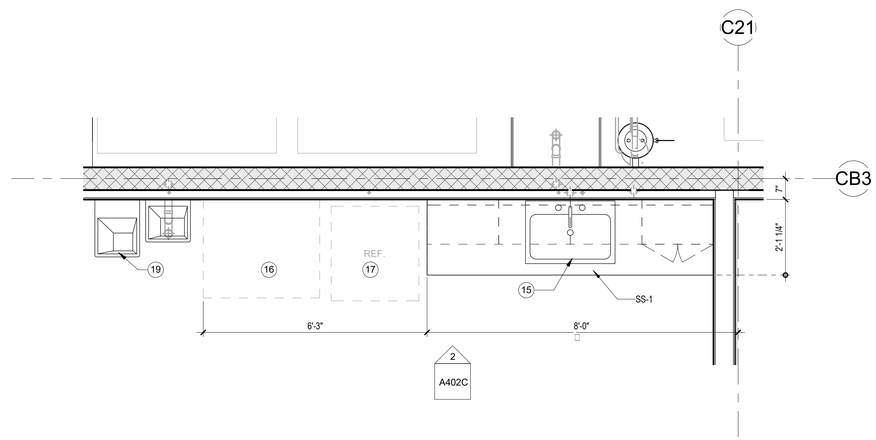
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2 1/2" = 1'-0" **BUILDING C - SHARED BREAKROOM ELEVATION**



1 1/2" = 1'-0" **ENLARGED FLOOR PLAN - BUILDING C - SHARED BREAKROOM**

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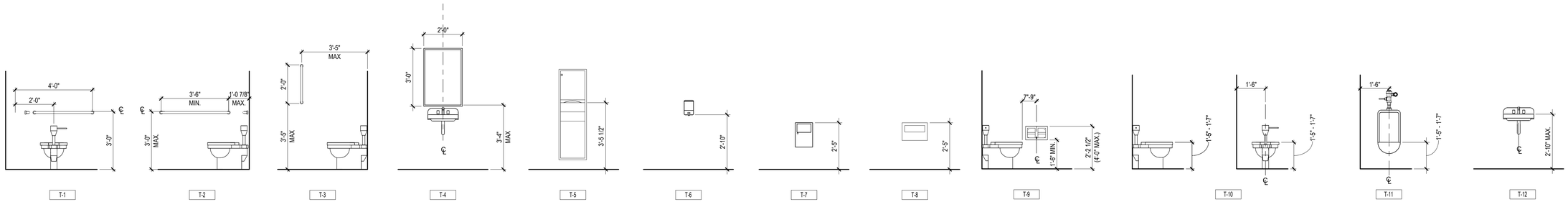
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PROJECT NUMBER	R1003144.00
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DRAWN BY	JR
CHECKED BY	JW

ENLARGED BREAKROOM - BUILDING C

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
A402C



36" TOILET STALL
GRAB BAR
BOBRICK B-5806 x 36

42" TOILET STALL
GRAB BAR
BOBRICK B-5806 x 42

24" TOILET STALL
GRAB BAR
BOBRICK B-5806 x 24

SURFACE MOUNTED
FRAMED MIRROR
BOBRICK B-165 2436

SURFACE MOUNTED PAPER
TOWEL DISPENSER &
WASTE RECEPTACLE
BOBRICK B-3949

SURFACE-MOUNTED
SOAP DISPENSER
BOBRICK B-2111

SANITARY NAPKIN
DISPOSAL
BOBRICK B-270

SANITARY NAPKIN
DISPOSAL
BOBRICK B-270

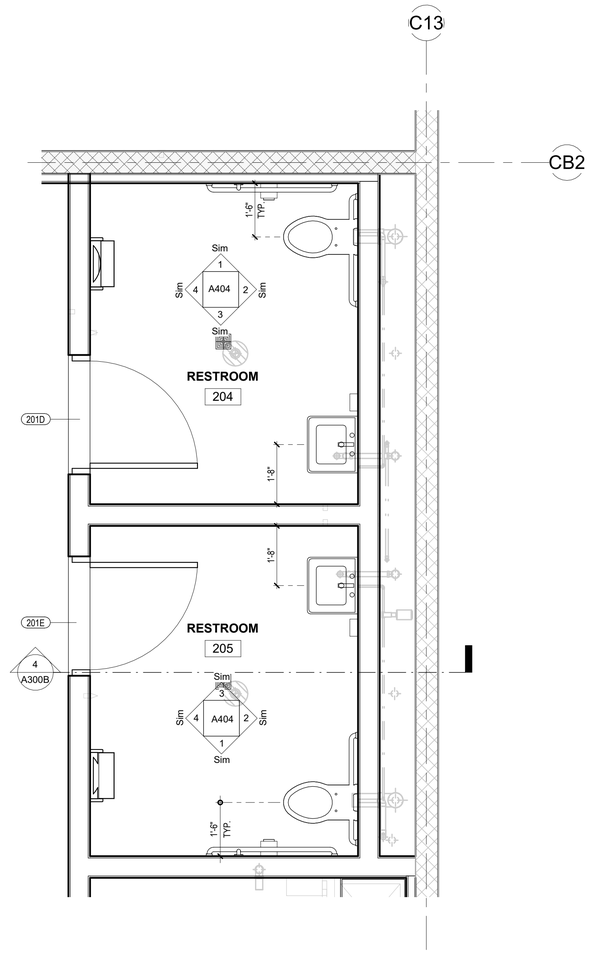
TOILET TISSUE
DISPENSER
BOBRICK B-2888

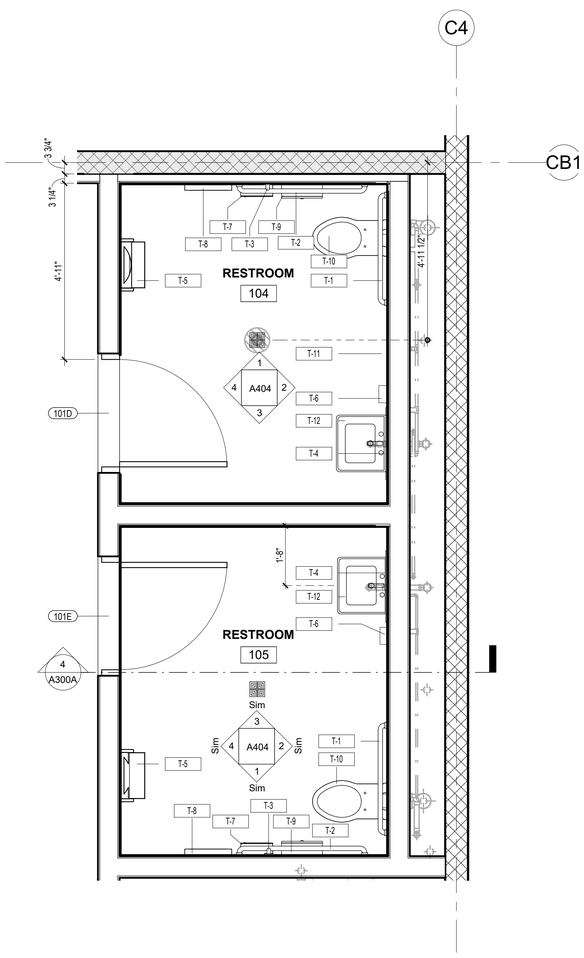
ACCESSIBLE FLOOR MOUNTED TOILET

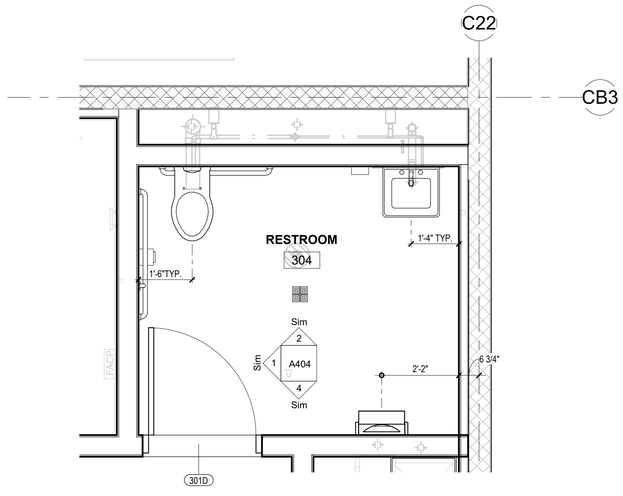
ACCESSIBLE WALL MOUNTED URINAL

WALL MOUNTED SINK

3/8" = 1'-0" TYPICAL TOILET ACCESSORY ELEVATIONS







3 1/2" = 1'-0" ENLARGED FLOOR PLAN - BUILDING C - RESTROOM PLAN

2 1/2" = 1'-0" ENLARGED FLOOR PLAN - BUILDING B - RESTROOM PLAN

1 1/2" = 1'-0" ENLARGED FLOOR PLAN - BUILDING A - RESTROOM PLAN

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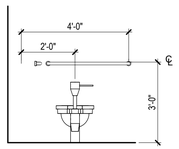
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TYPICAL ENLARGED RESTROOM - BUILDINGS A, B & C

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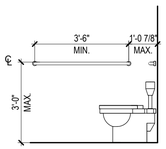
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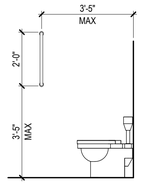
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36" TOILET STALL
GRAB BAR
BOBRICK B-5806 x 36



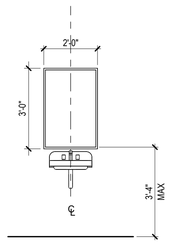
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42" TOILET STALL
GRAB BAR
BOBRICK B-5806 x 42



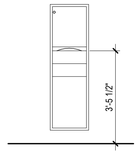
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24" TOILET STALL
GRAB BAR
BOBRICK B-5806 x 24



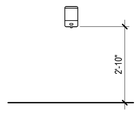
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SURFACE MOUNTED
FRAMED MIRROR
BOBRICK B-165 2436



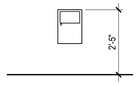
T-5

SURFACE MOUNTED PAPER
TOWEL DISPENSER &
WASTE RECEPTACLE
BOBRICK B-3949



T-6

SURFACE-MOUNTED
SOAP DISPENSER
BOBRICK B-2111



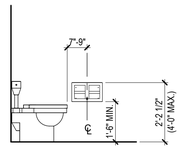
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SANITARY NAPKIN
DISPOSAL
BOBRICK B-270



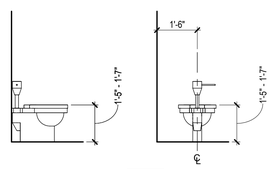
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SANITARY NAPKIN
DISPOSAL
BOBRICK B-270



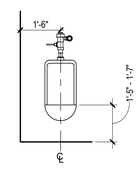
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TOILET TISSUE
DISPENSER
BOBRICK B-2888



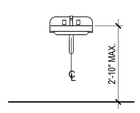
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ACCESSIBLE FLOOR MOUNTED TOILET



T-11

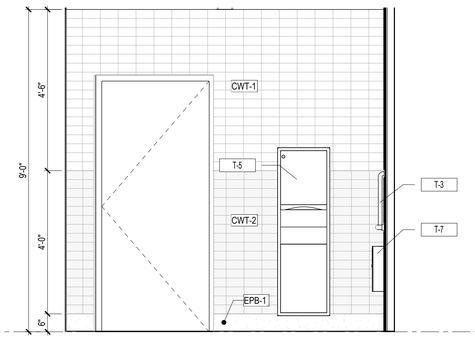
ACCESSIBLE WALL MOUNTED URINAL



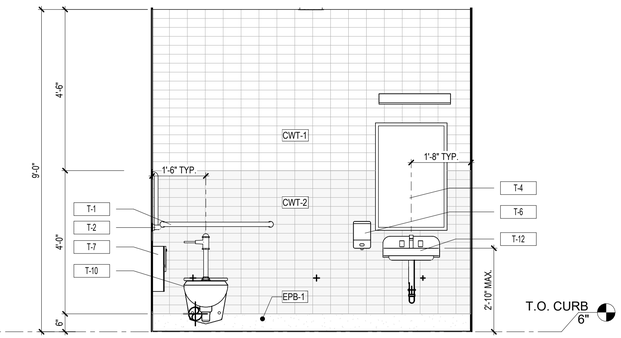
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WALL MOUNTED SINK

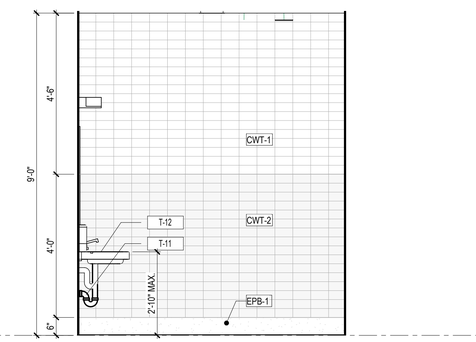
3/8" = 1'-0" TYPICAL TOILET ACCESSORY ELEVATIONS



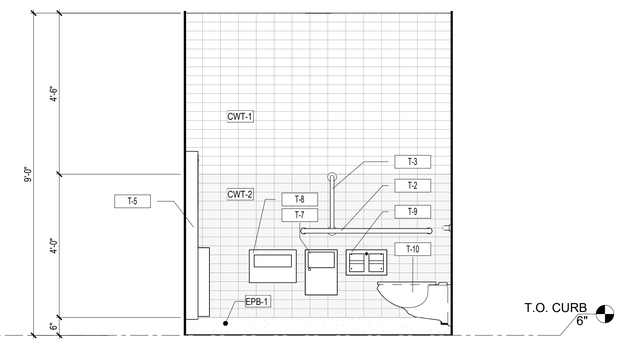
4 1/2" = 1'-0" RESTROOM ELEVATION D



2 1/2" = 1'-0" RESTROOM ELEVATION B



3 1/2" = 1'-0" RESTROOM ELEVATION C



1 1/2" = 1'-0" RESTROOM ELEVATION A

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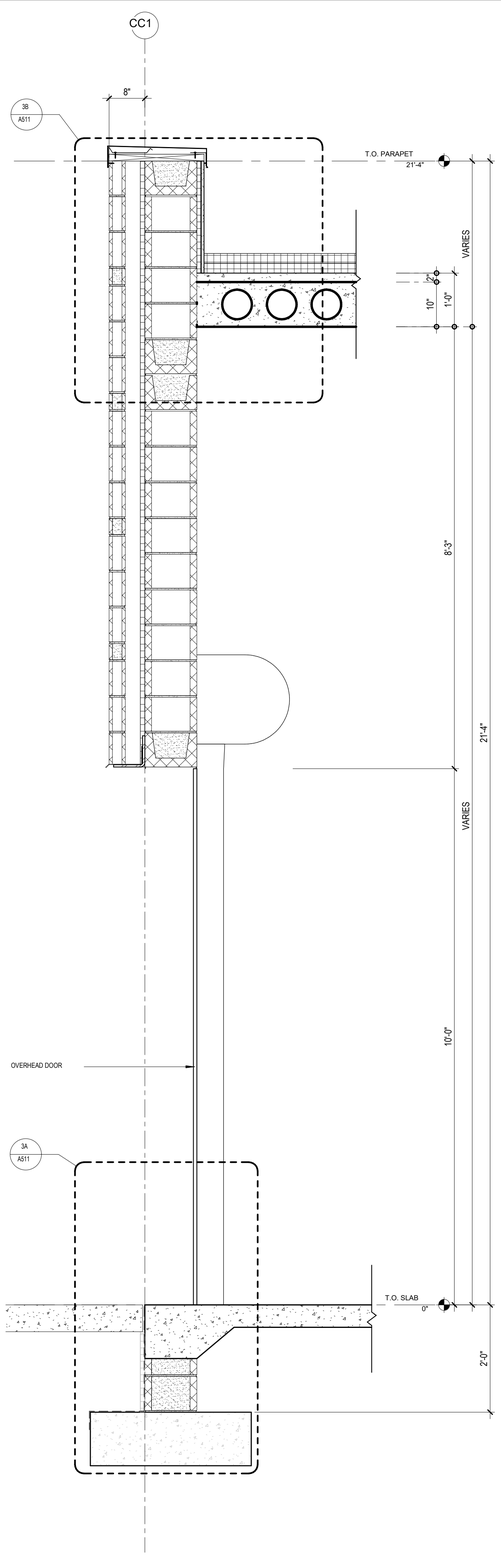
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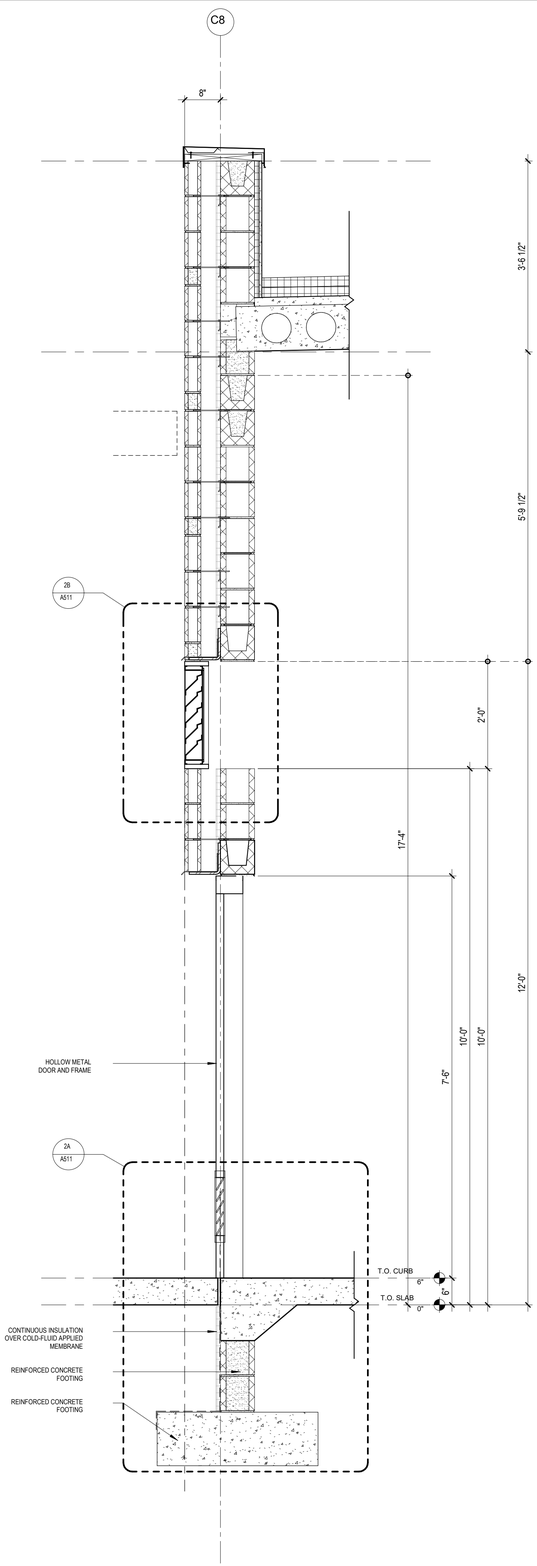
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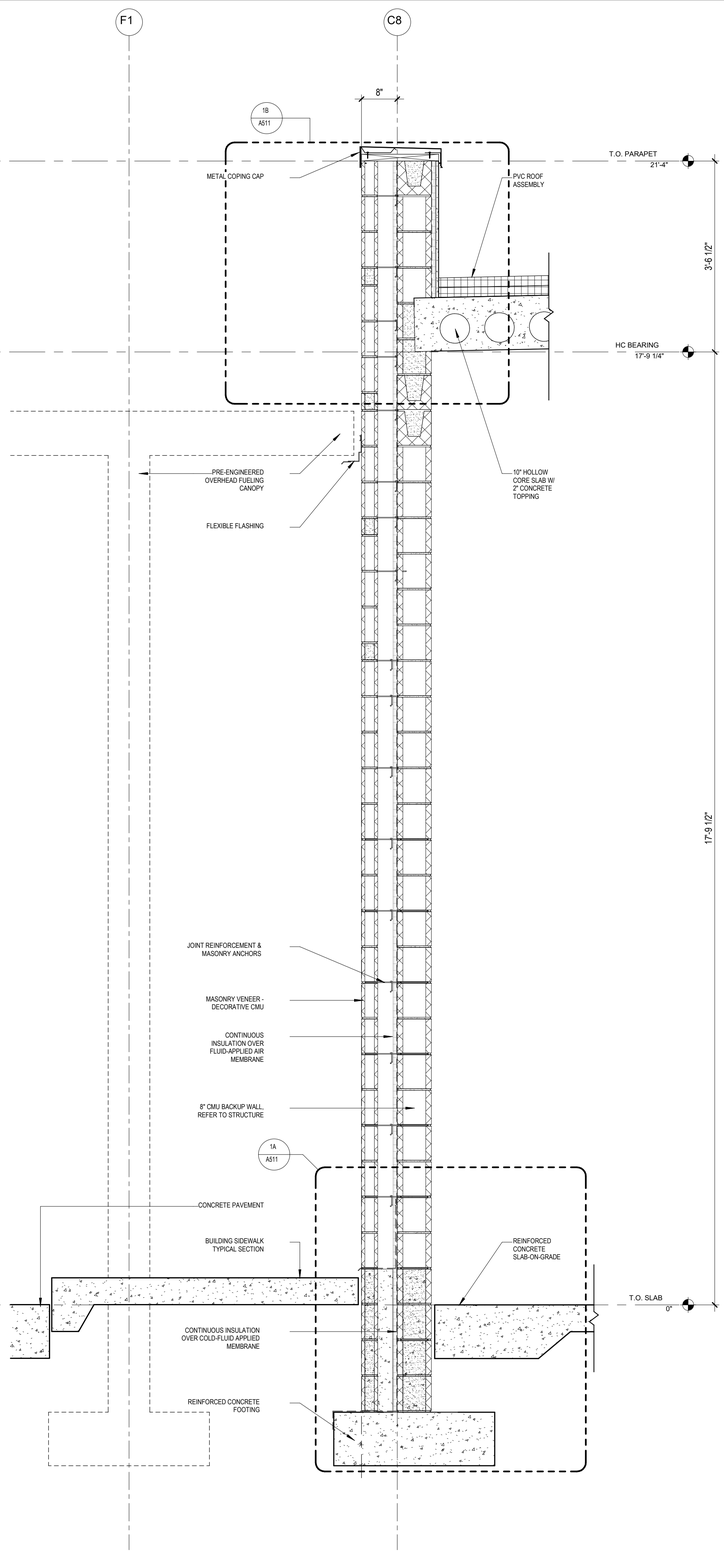
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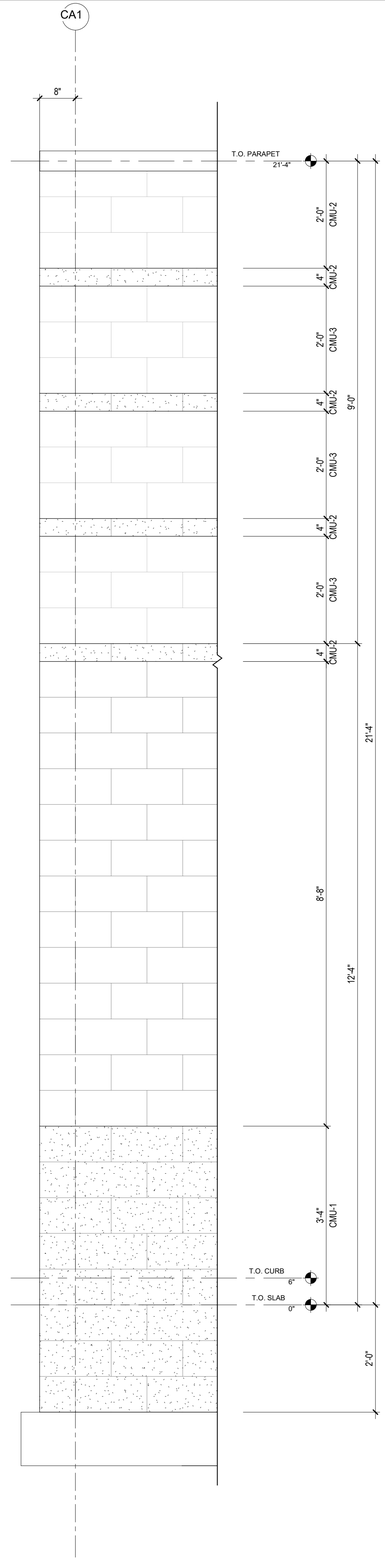
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3 3/4" = 1'-0" **WALL SECTION - 12" CMU @ WASH BAY**

2 3/4" = 1'-0" **WALL SECTION - 8" CMU @ VACUUM ROOM**

1 3/4" = 1'-0" **WALL SECTION - 8" CMU - HOLLOW CORE (PERPENDICULAR)**

A 3/4" = 1'-0" **PARTIAL ELEV. - CMU VERTICAL PATTERN**

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TALLAHASSEE, FL 32308
FITZGERALD COLLABORATIVE GROUP, LLC
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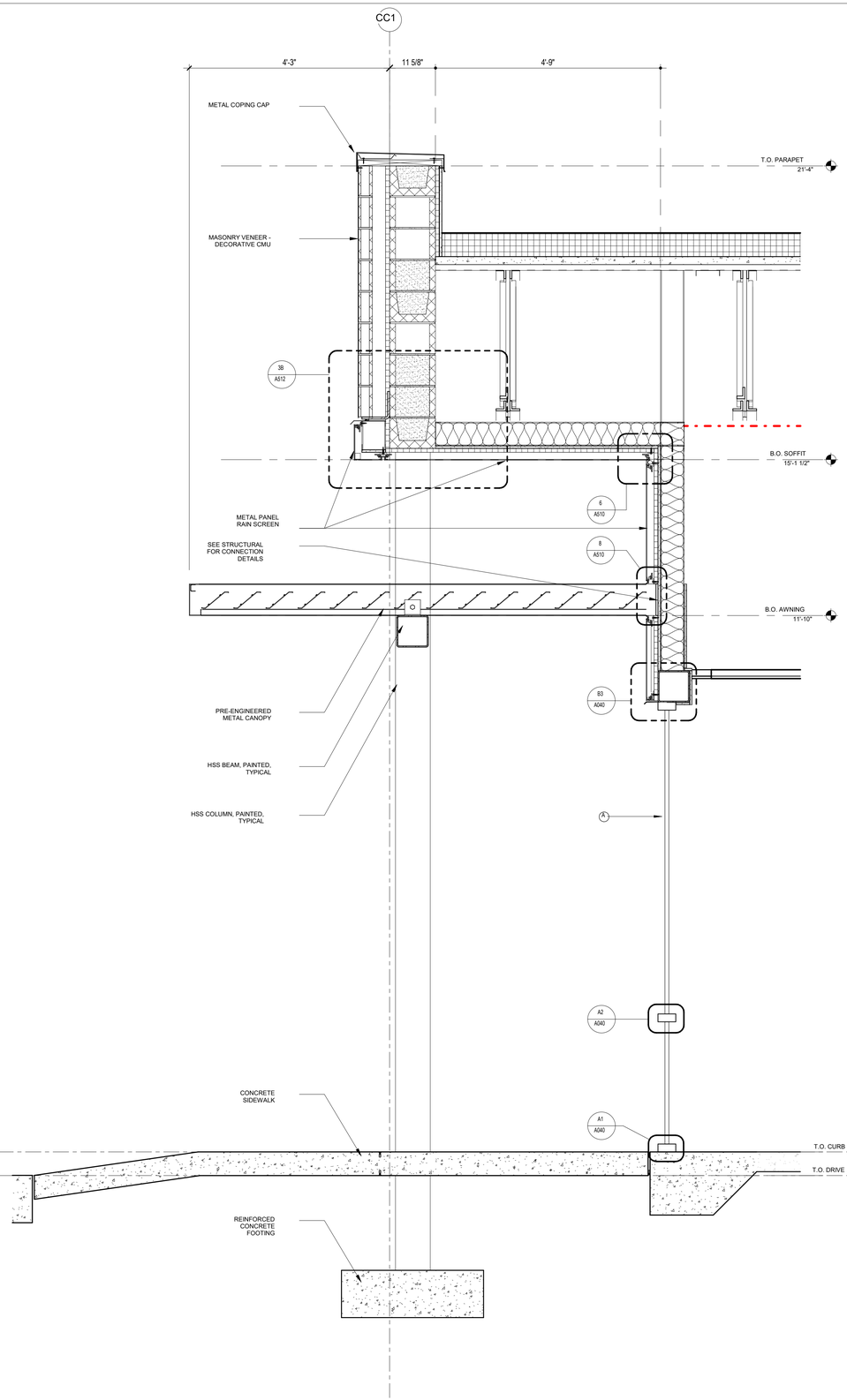
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WALL SECTIONS

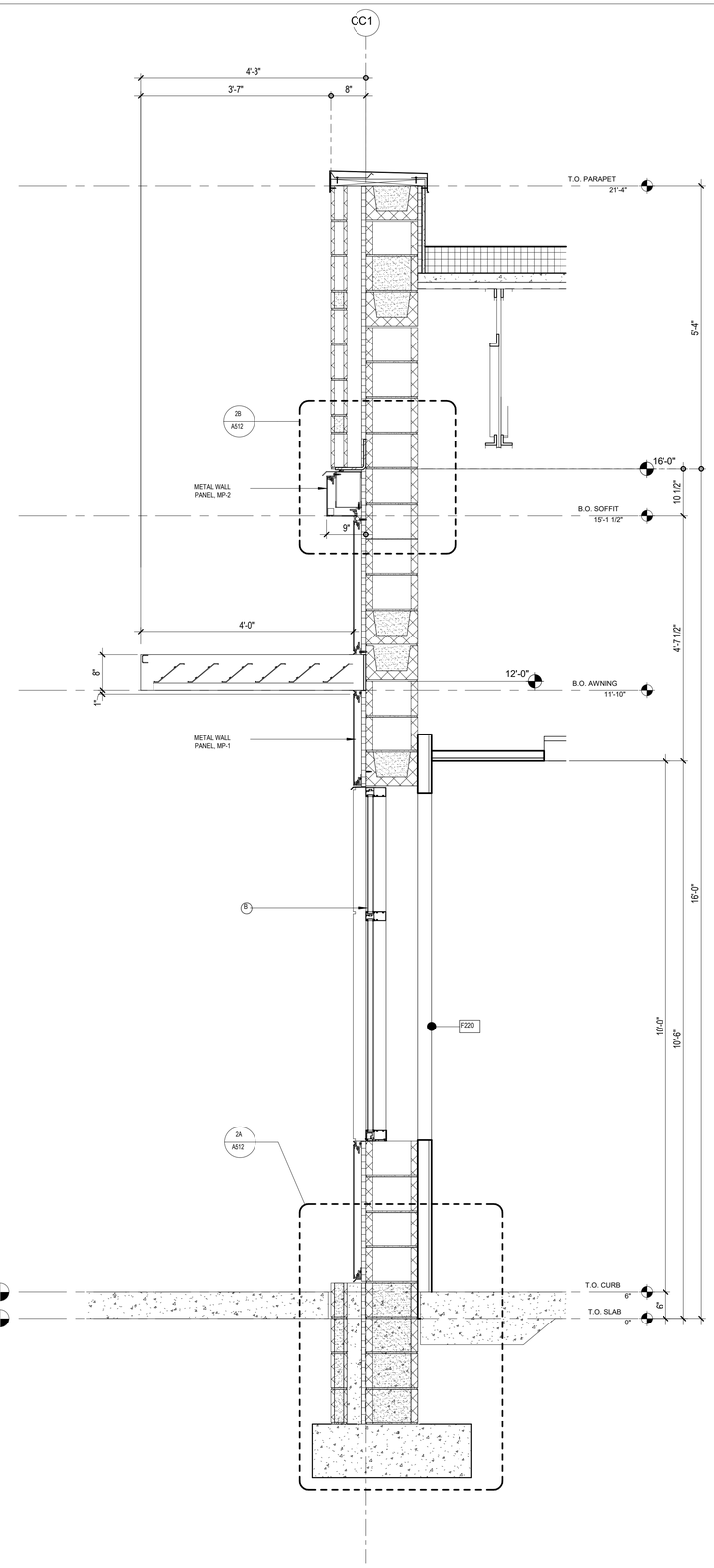
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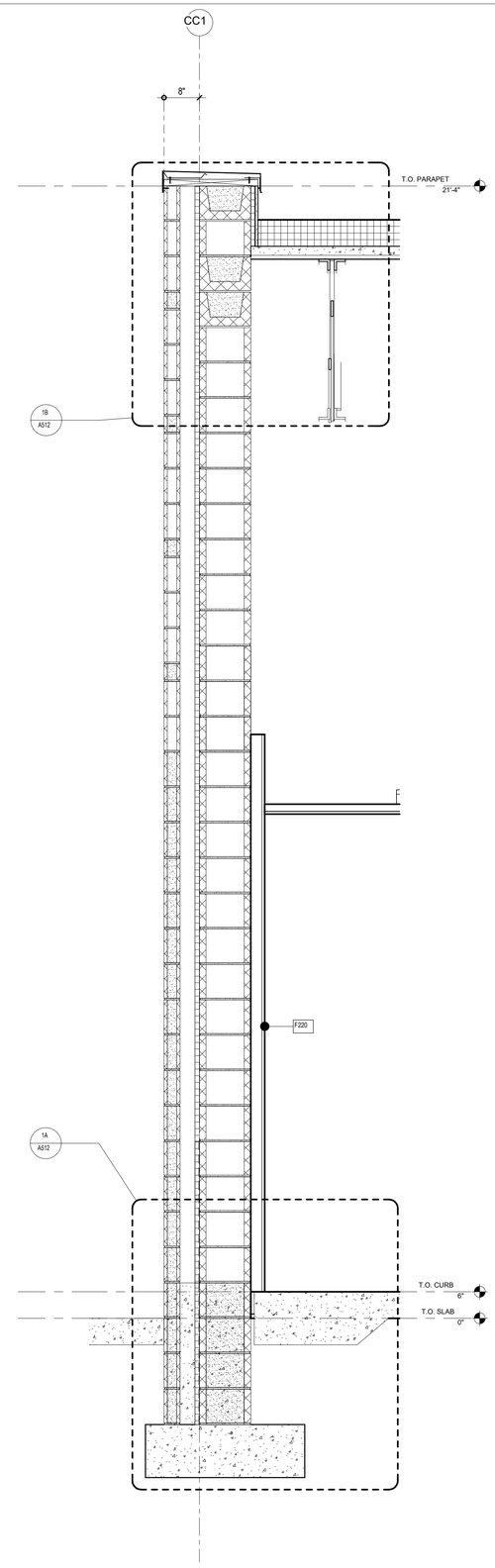
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3 3/4" = 1'-0" **WALL SECTION - ENTRY OPENING & SUNSHADE**



2 3/4" = 1'-0" **WALL SECTION - 12" CMU @ METAL PANEL & SUNSHADE**



1 3/4" = 1'-0" **WALL SECTION - 12" CMU - STEEL JOIST (PARALLEL)**

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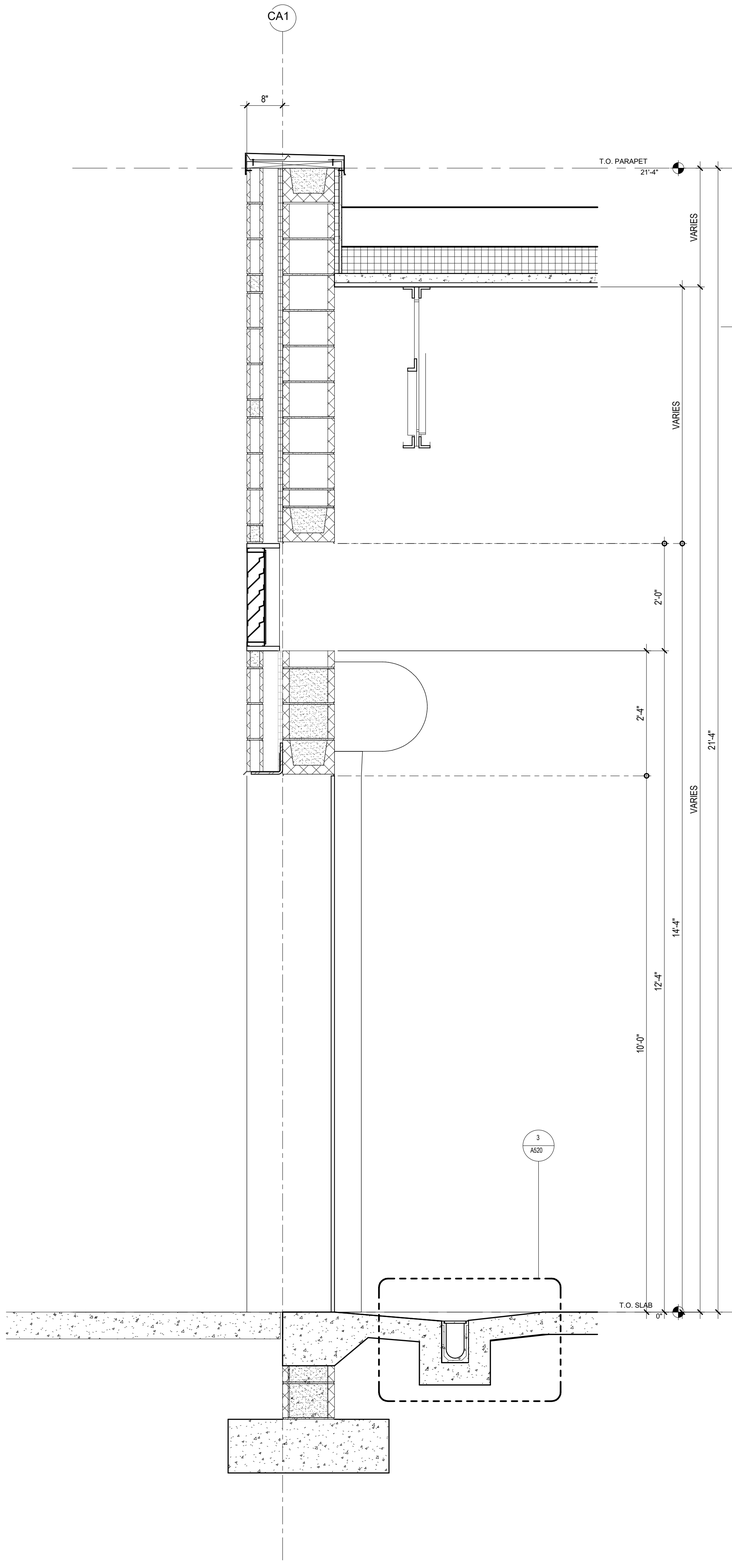
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WALL SECTIONS

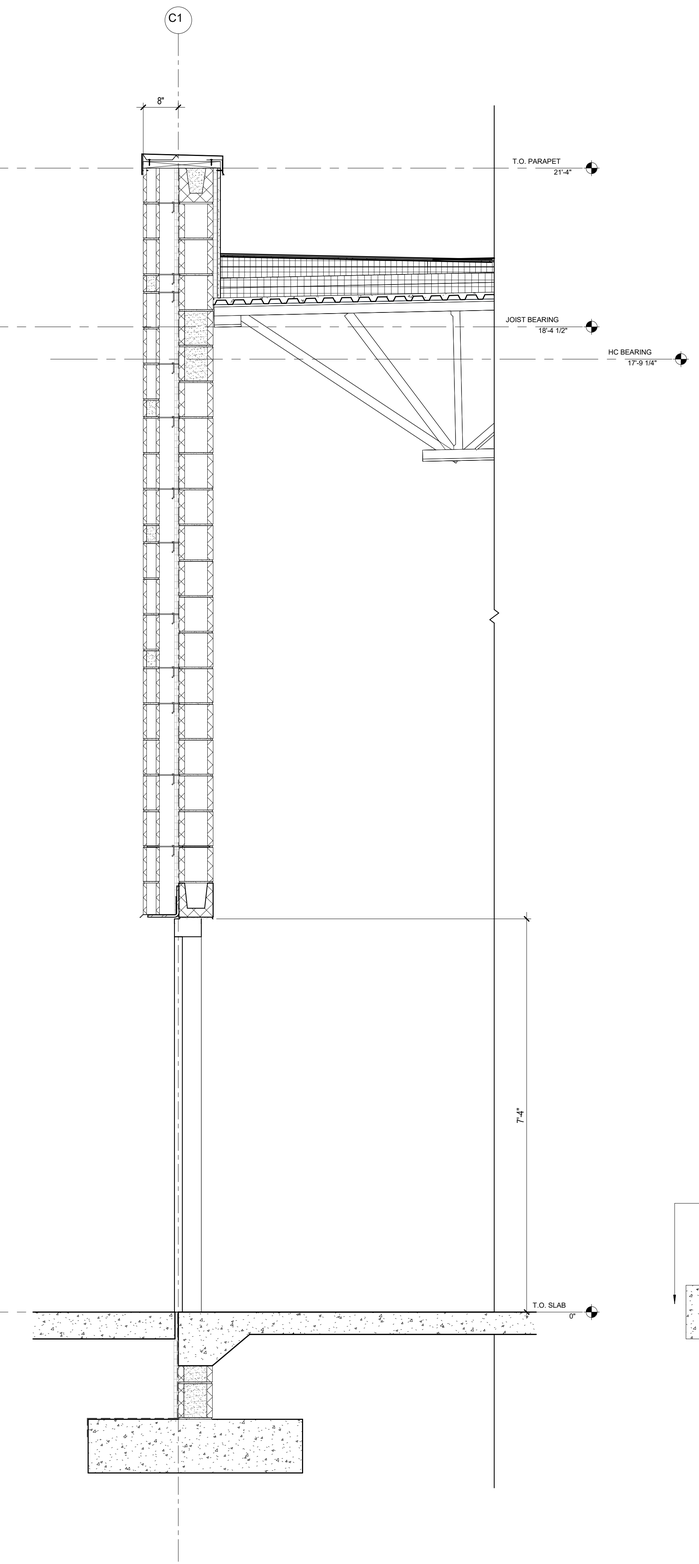
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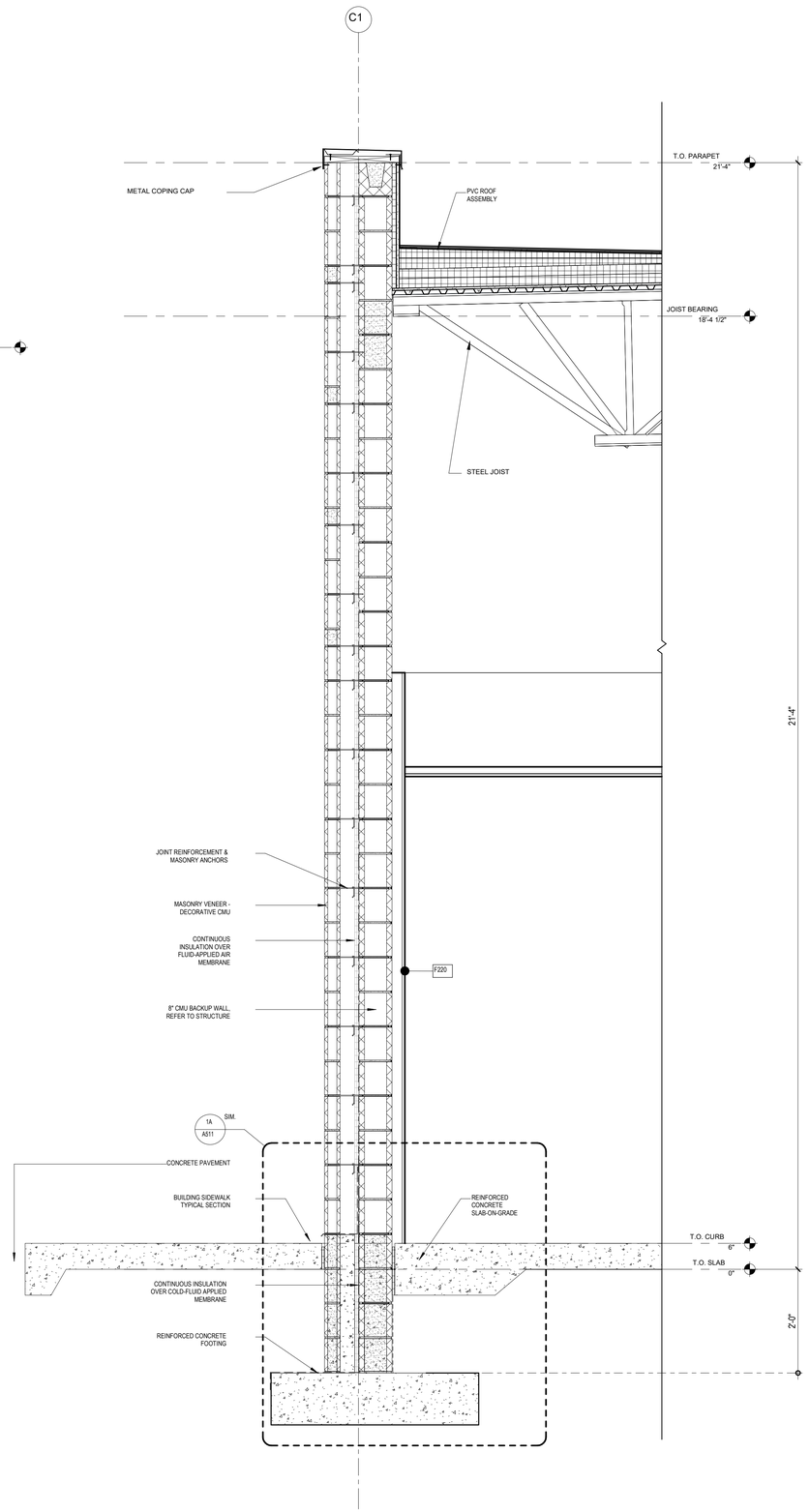
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3 3/4" = 1'-0" **WALL SECTION - 12" CMU @ MAINTENANCE BAY**



2 3/4" = 1'-0" **WALL SECTION - 8" CMU AT HM DOOR OPENING**



1 3/4" = 1'-0" **WALL SECTION - 8" CMU AT OFFICE AREA**

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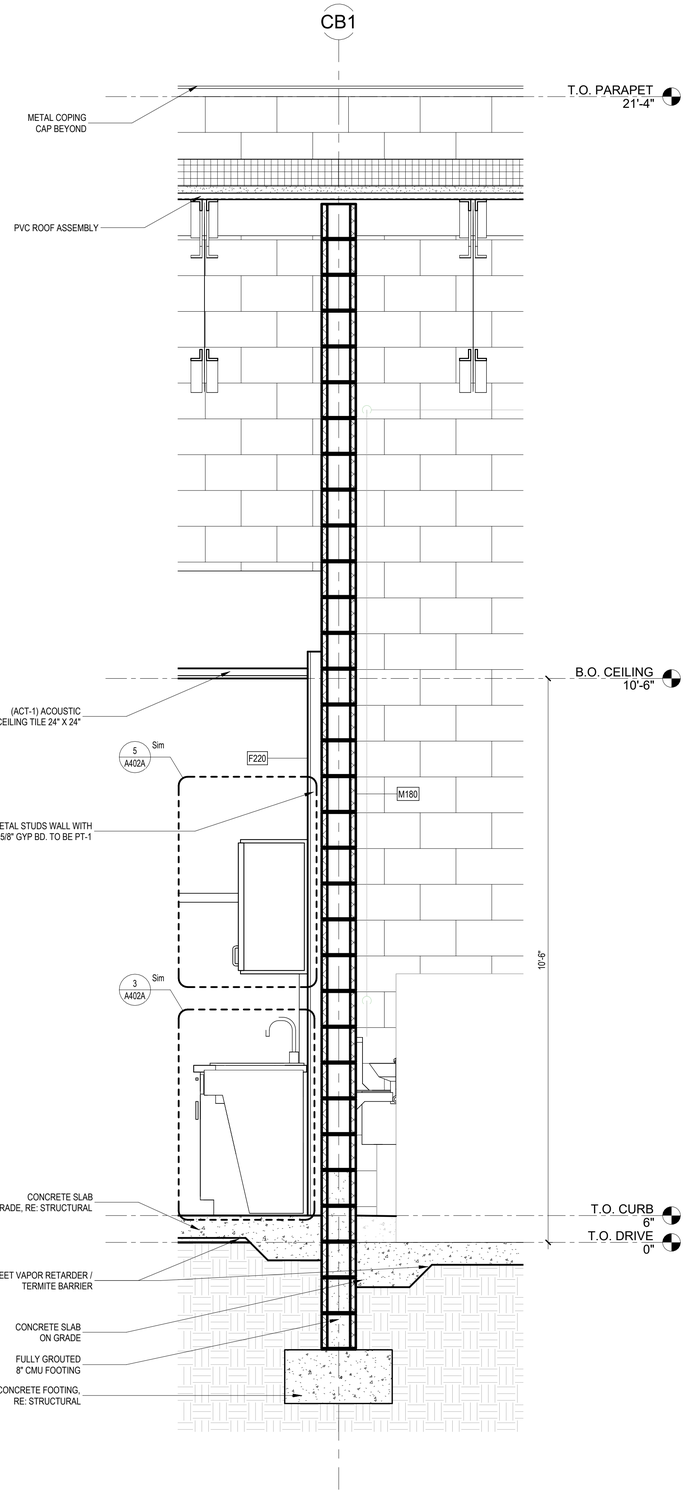
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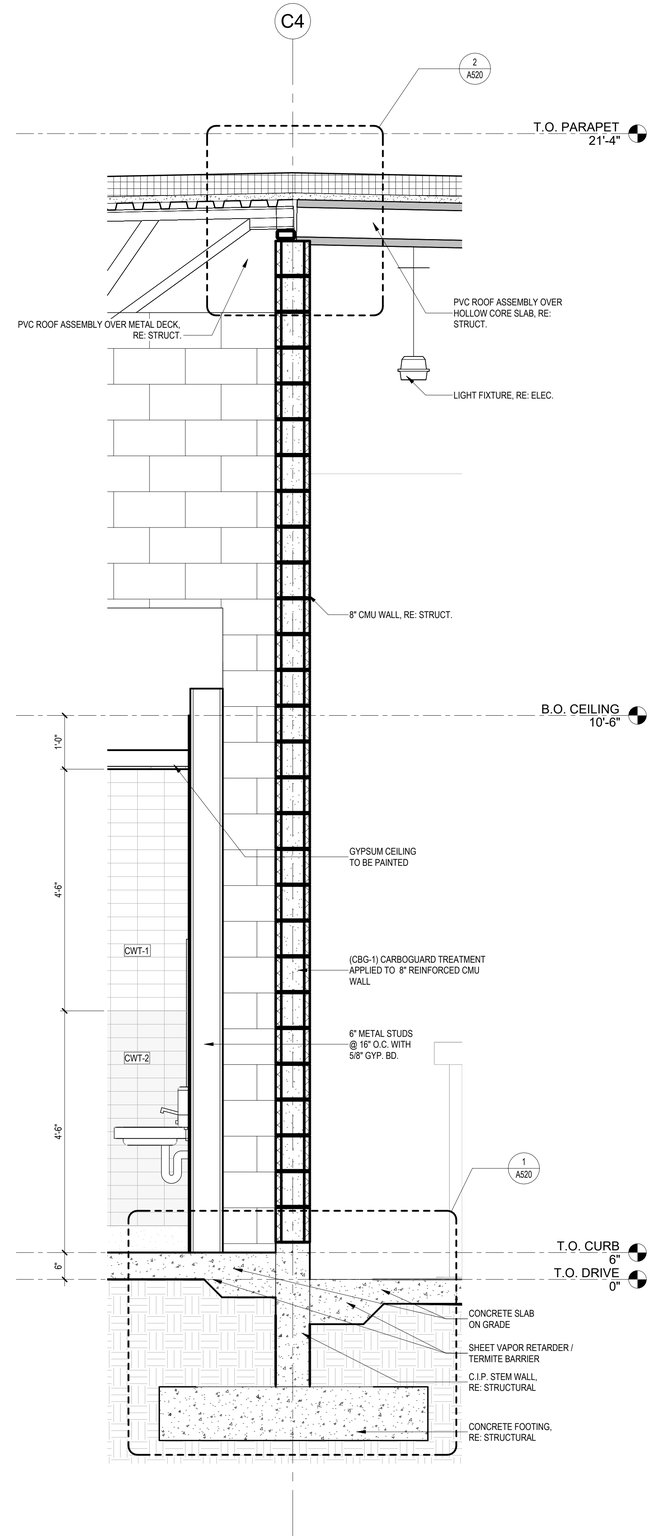
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2 3/4" = 1'-0" **WALL SECTION - TYPICAL WALL BETWEEN MAINTENANCE BAYS & ADMIN AREA**



1 3/4" = 1'-0" **WALL SECTION - TYPICAL WALL BETWEEN ADMIN AREA & CAR WASH BAYS**

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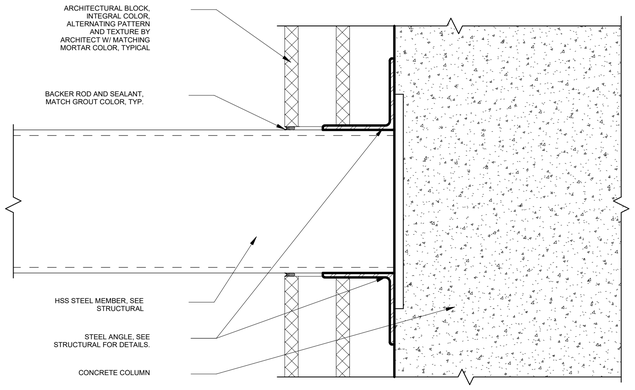
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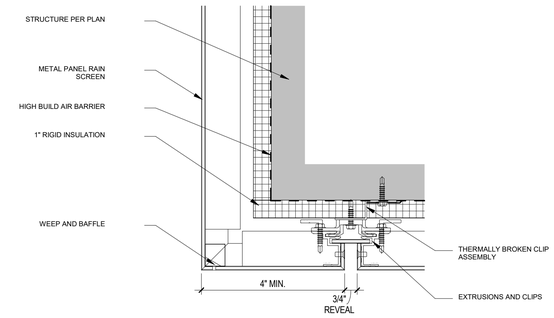
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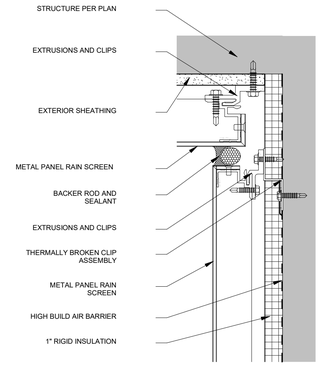
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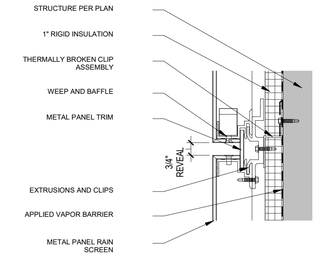
9 3" = 1'-0" **TYP. CMU PENETRATION DETAIL**



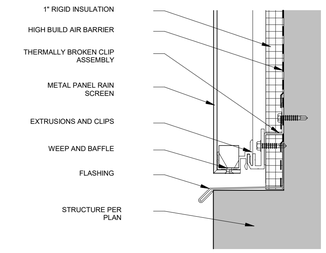
7 3" = 1'-0" **METAL PANEL RAINSCREEN SOFFIT TRANSITION**



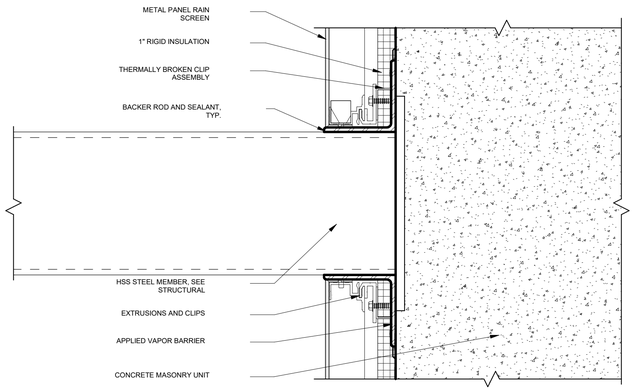
6 3" = 1'-0" **METAL PANEL RAINSCREEN WALL SOFFIT TRANSITION**



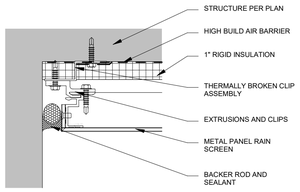
5 3" = 1'-0" **METAL PANEL RAINSCREEN STANDARD JOINT DETAIL**



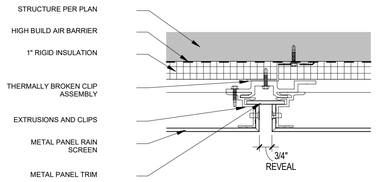
4 3" = 1'-0" **METAL PANEL RAINSCREEN BASE DETAIL**



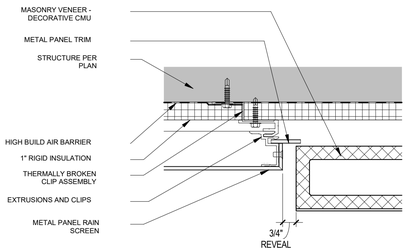
8 3" = 1'-0" **TYP. METAL PANEL RAINSCREEN PENETRATION DETAIL**



3 3" = 1'-0" **METAL PANEL RAINSCREEN ENDWALL DETAIL**



2 3" = 1'-0" **PLAN DETAIL - METAL PANEL VERTICAL JOINT**



1 3" = 1'-0" **PLAN - DETAIL - METAL PANEL / CMU TRANSITION**

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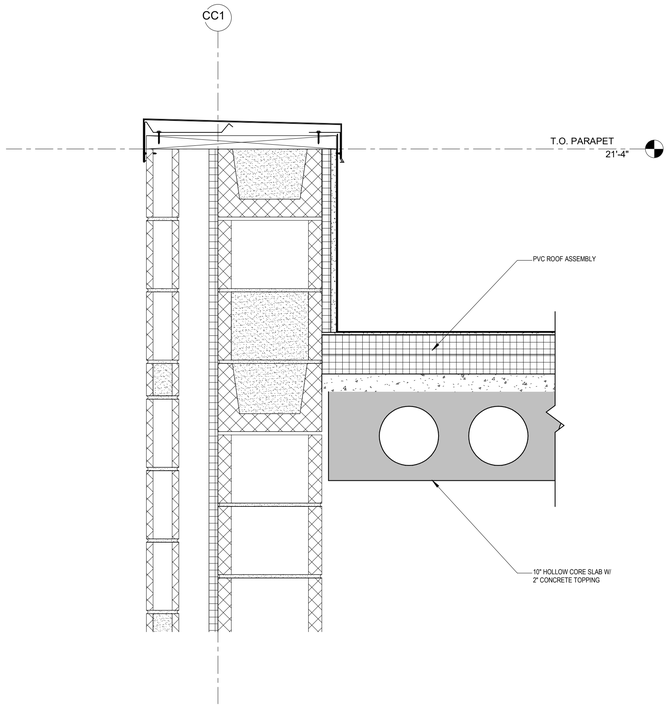
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R1003144.00	JAN 2025	3" = 1'-0"	-	-	-

METAL PANEL DETAILS

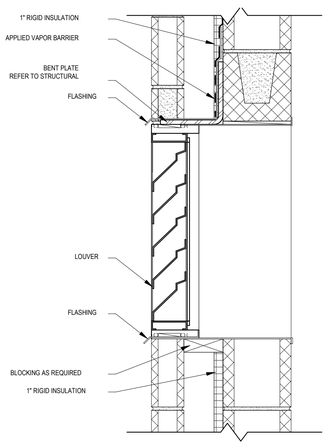
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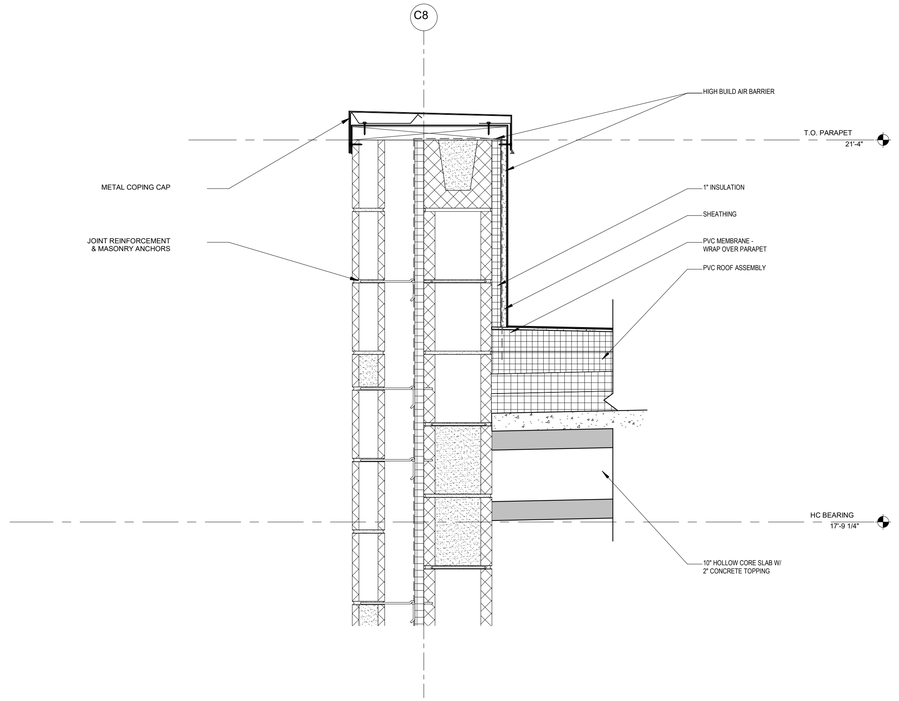
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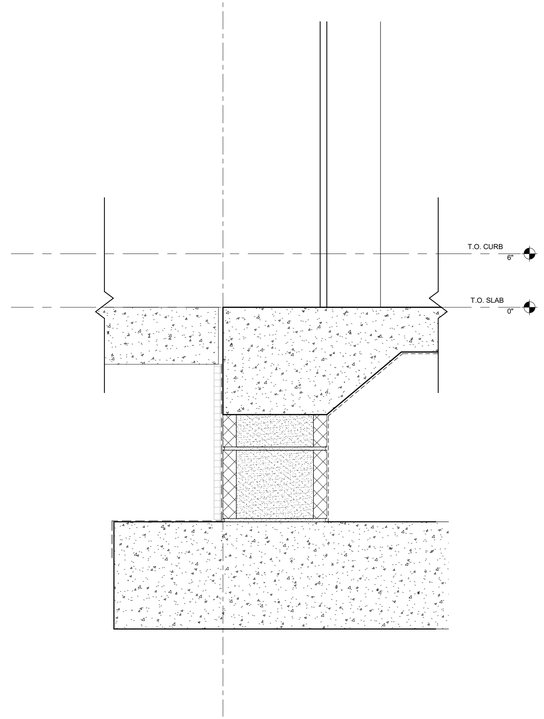
3B 1 1/2" = 1'-0" **DETAIL - TYPICAL PARAPET @ 12"CMU - HOLLOW CORE (PARALLEL)**



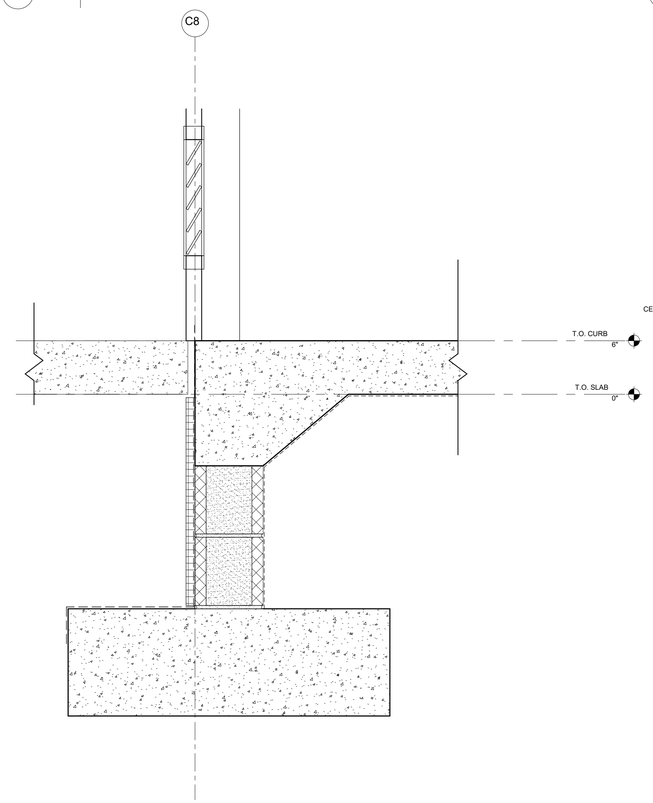
2B 1 1/2" = 1'-0" **WALL SECTION @ LOUVER**



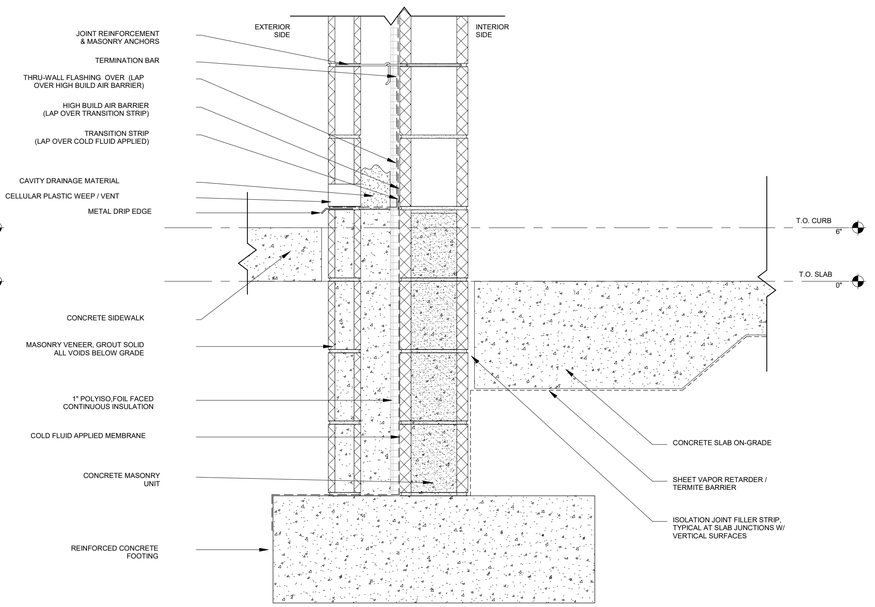
1B 1 1/2" = 1'-0" **DETAIL - TYPICAL PARAPET @ 8" CMU & HOLLOW CORE BEARING**



3A 1 1/2" = 1'-0" **DETAIL - TYPICAL BASE @ OVERHEAD DOOR**



2A 1 1/2" = 1'-0" **DETAIL - TYPICAL BASE @ 8" CMU HM DOOR OPENING**



1A 1 1/2" = 1'-0" **DETAIL - TYPICAL BASE @ 8" CMU**

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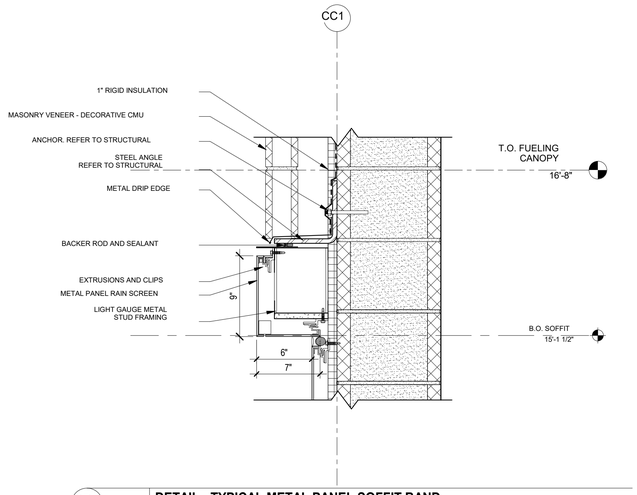
PROJECT NUMBER	R1003144.00
DATE	JAN 2025
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TYPICAL CMU WALL DETAILS

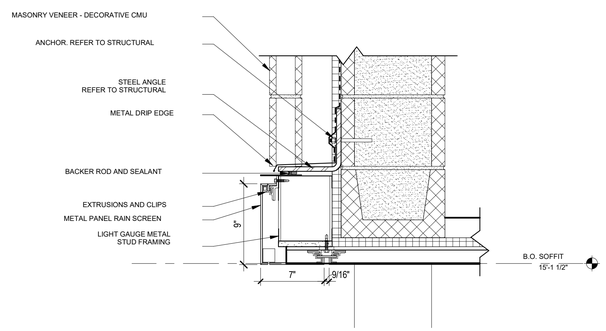
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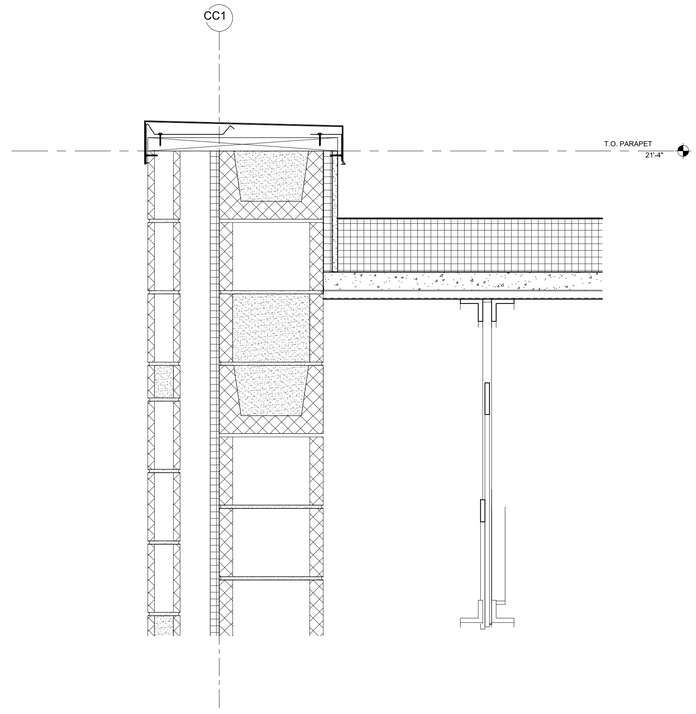
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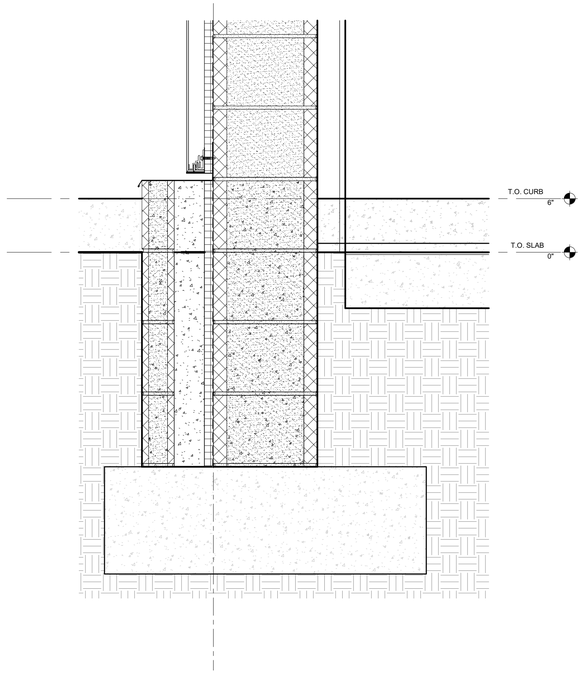
2B 1 1/2" = 1'-0" **DETAIL - TYPICAL METAL PANEL SOFFIT BAND**



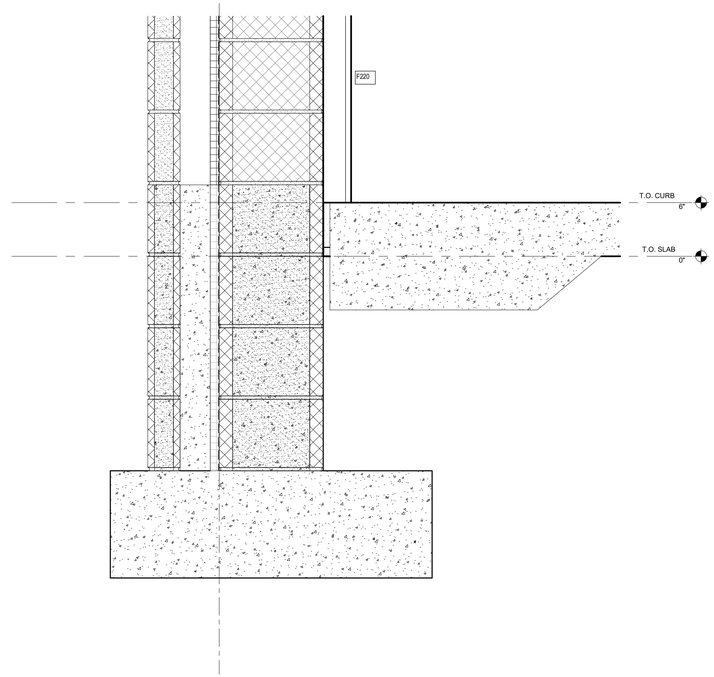
3B 1 1/2" = 1'-0" **DETAIL - ENTRY OPENING WALL SECTION - TYPICAL - Callout 1**



1B 1 1/2" = 1'-0" **DETAIL - TYPICAL PARAPET @ 12" CMU - STEEL JOIST (PARALLEL)**



2A 1 1/2" = 1'-0" **DETAIL - TYPICAL BASE @ METAL WALL PANEL**



1A 1 1/2" = 1'-0" **DETAIL - TYPICAL BASE @ 12" CMU**

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TYPICAL CMU WALL DETAILS

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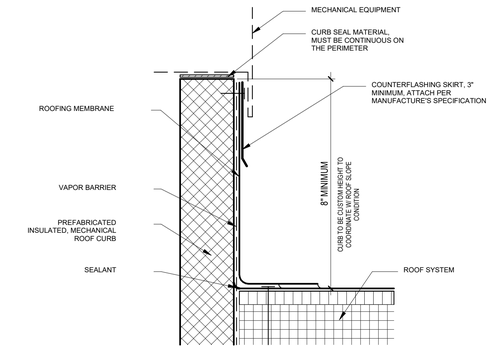
1. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON MANUFACTURER'S WATER CUT-OFF MASTIC.

2. CUT ROOF MEMBRANE SO IT EXTENDS MIN. 1/2" FROM ATTACHMENT POINTS OF DRAIN CLAMPING RING.

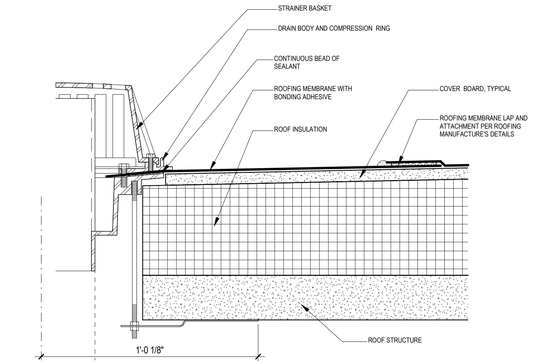
3. HOLE IN MEMBRANE MUST EXCEED DRAIN PIPE SIZE, BUT NO LESS THE 1" LESS THAN DRAIN BOWL SIZE.

4. EXTEND THE REINFORCING MEMBRANE 5 1/2" MINIMUM OUT OF THE SUMP AREA OR PER ROOFING MANUFACTURE'S DETAIL

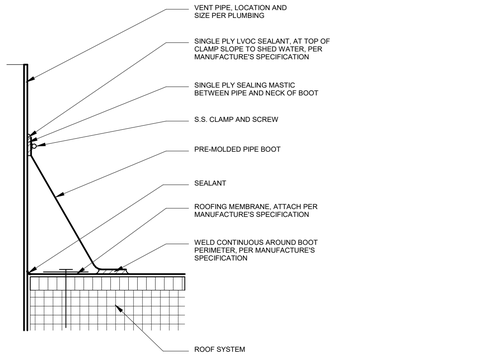
5. INSULATION TAPER SHALL NOT BE STEEPER THAN 3 INCHES (VERTICAL) IN 12 INCHES (HORIZONTAL).



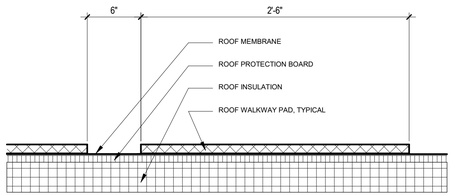
7 3" = 1'-0" **ROOF EQUIPMENT CURB**



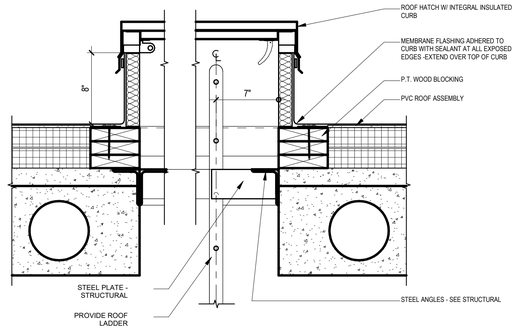
3 3" = 1'-0" **ROOF DRAIN DETAIL**



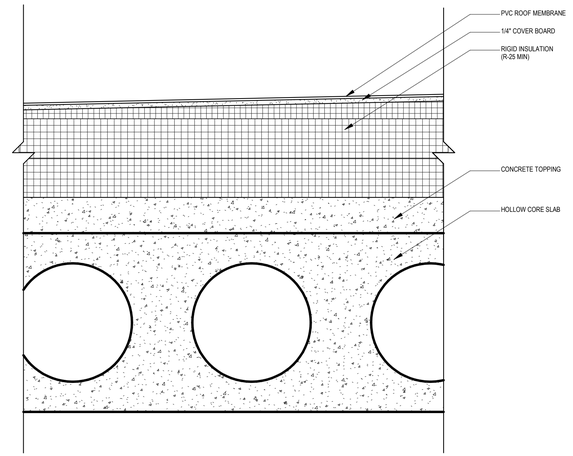
6 3" = 1'-0" **ROOF VENT**



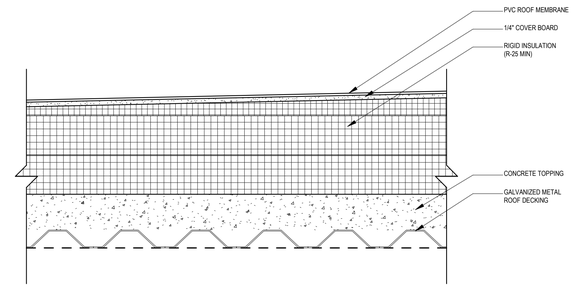
5 1 1/2" = 1'-0" **ROOF WALKWAY PAD**



4 1 1/2" = 1'-0" **SECTION AT ROOF HATCH**



2 3" = 1'-0" **DETAIL - TYPICAL PVC ROOFING ASSEMBLY OVER HOLLOW CORE SLABS**



1 3" = 1'-0" **DETAIL - TYPICAL PVC ROOFING ASSEMBLY OVER METAL DECKING**

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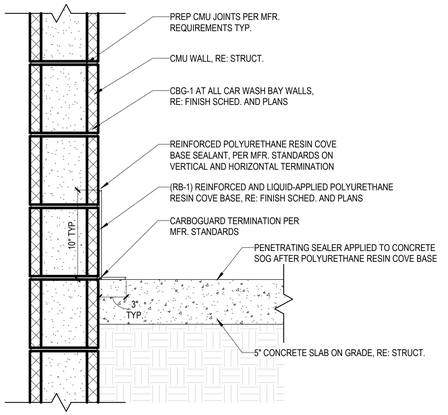
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TYPICAL ROOF DETAILS

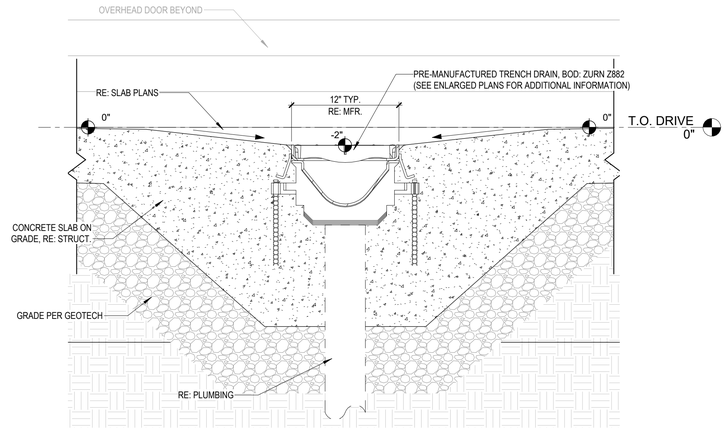
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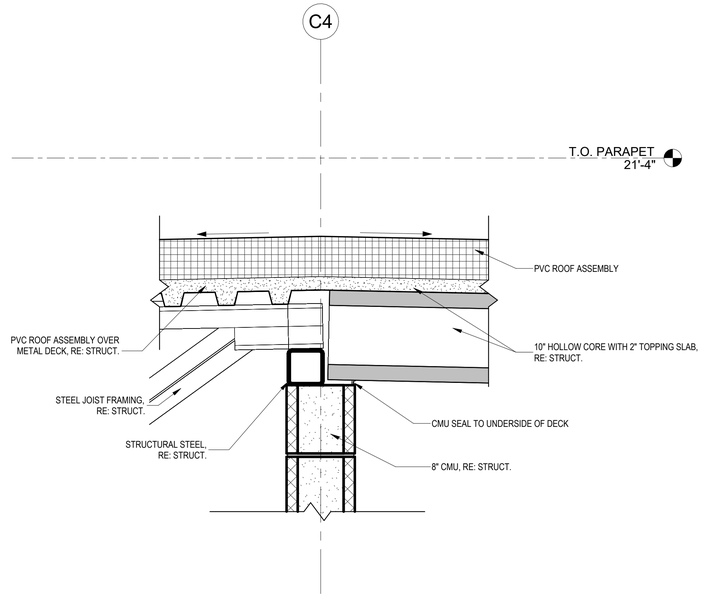
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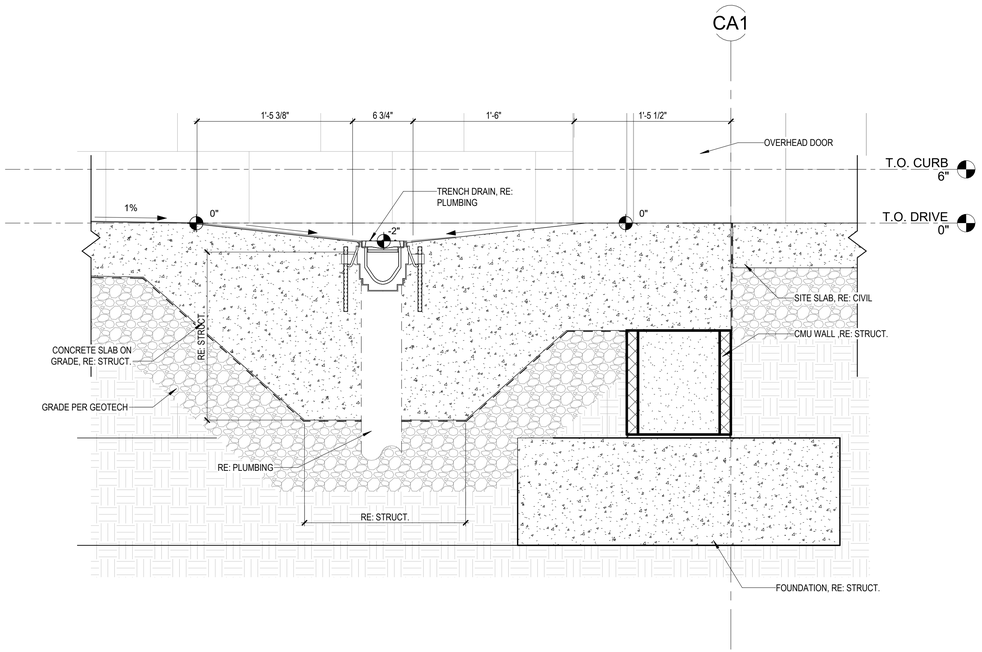
5 1 1/2" = 1'-0" **TRANSITION DETAIL - RESIN BASE**



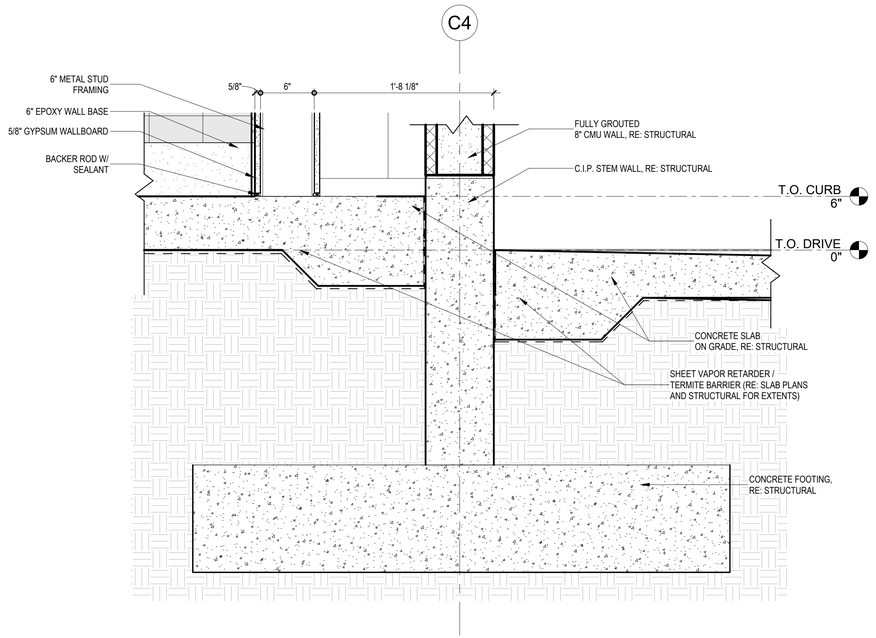
4 1 1/2" = 1'-0" **TRENCH DRAIN DETAIL @ CAR WASH BAYS**



2 1 1/2" = 1'-0" **WALL SECTION - TYPICAL WALL BETWEEN ADMIN AREA & BAYS AT ROOF**



3 1 1/2" = 1'-0" **TRENCH DRAIN DETAIL @ MAINTENANCE BAY O.H. DOOR**



1 1 1/2" = 1'-0" **WALL SECTION - TYPICAL WALL BETWEEN ADMIN AREA & BAYS AT BASE**

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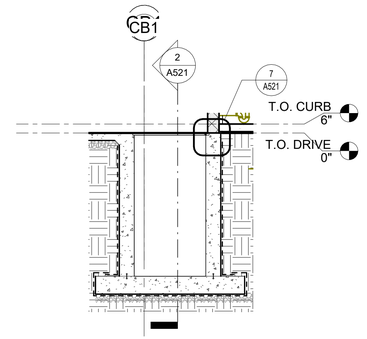
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R1003144.00		PH
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04/16/2021	CHECKED BY	JW
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WALL SECTION DETAILS

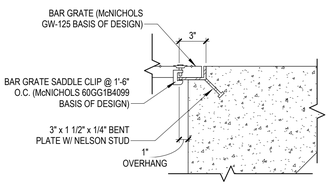
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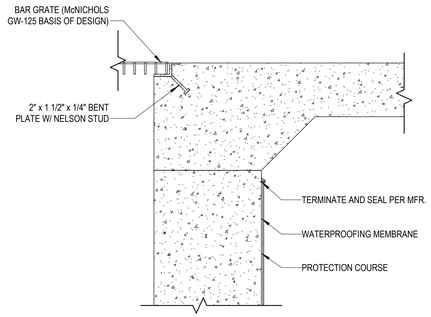
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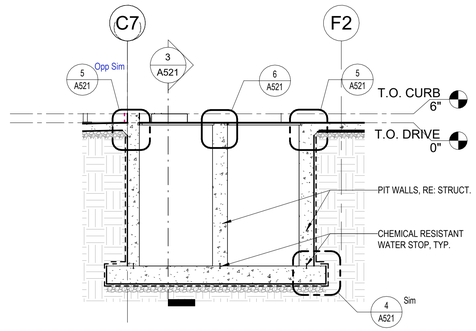
3 1/4" = 1'-0" **RECLAIM PIT SECTION 02**



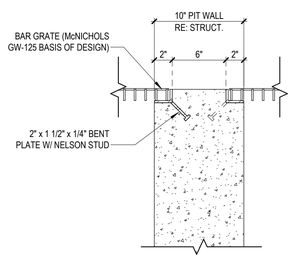
7 1 1/2" = 1'-0" **GRATE DETAIL 04**



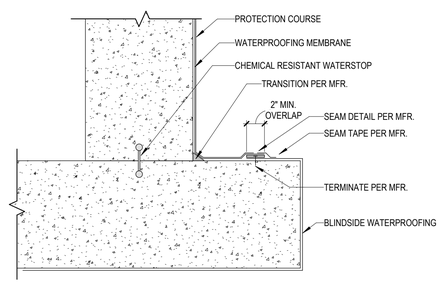
5 1 1/2" = 1'-0" **GRATE DETAIL 02**



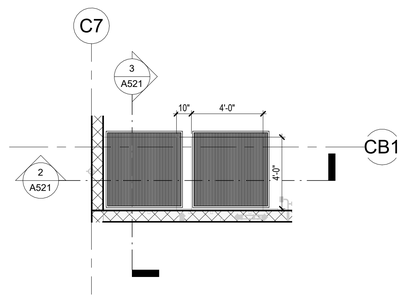
2 1/4" = 1'-0" **RECLAIM PIT SECTION 01**



6 1 1/2" = 1'-0" **GRATE DETAIL 03**



4 1 1/2" = 1'-0" **GRATE DETAIL 01**



1 1/4" = 1'-0" **ENLARGED PLAN AT RECLAIM PITS**

No.	REVISIONS	DATE	BY

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PROJECT NUMBER	DESIGNED BY	PH
R1003144.00	DRAWN BY	JR
DATE 04/16/2021	CHECKED BY	JW
As indicated		

TYP. SUMP PIT DETAILS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
A521

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1.00 DOCUMENTS AND LIMITATIONS

1.01 THESE STRUCTURAL DOCUMENTS, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, ARE INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. MUST BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

1.02 IT IS UNDERSTOOD THAT THE CONSULTANT MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO FINDINGS, DESIGNS, RECOMMENDATIONS, SPECIFICATIONS, OPINION, OR PROFESSIONAL ADVICE, EXCEPT THAT THESE INSTRUMENTS OF SERVICE HAVE BEEN PREPARED IN ACCORDANCE WITH THE CURRENT GENERALLY ACCEPTED PROFESSIONAL ENGINEER PRACTICES.

1.03 ALL NON-STRUCTURAL ELEMENTS INDICATED ON THE STRUCTURAL DRAWINGS HAVE BEEN SHOWN IN GENERAL TO THE RELATIONSHIP TO THE STRUCTURAL ELEMENTS ONLY. ACCORDINGLY, THEY MUST NOT BE ASSUMED TO BE ACCURATE AND REFERENCE MUST BE MADE TO THE APPROPRIATE CONSULTANT(S), PLANS, AND SPECIFICATIONS.

1.04 NOTES ON THIS AND THE FOLLOWING SHEETS ARE PART OF THE PROJECT REQUIREMENTS BUT ARE NOT INTENDED TO REPLACE THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICTS BETWEEN THE REQUIREMENTS OF THE SPECIFICATIONS AND THESE NOTES, THE MORE STRINGENT REQUIREMENT MUST APPLY.

1.05 IT MUST BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE LOCATION OF EMBEDDED ITEMS, SLEEVES, ANCHORS, AND PENETRATIONS AS REQUIRED AND/OR FURNISHED BY THE OTHER TRADES.

2.00 CONSTRUCTION SAFETY

2.01 IT IS UNDERSTOOD THAT THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK ON THE PROJECT. THE CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THE PERSONS AND PROTECT THEM AGAINST INJURY. LIKEWISE, THE CONTRACTOR MUST PROTECT ALL PROPERTY AGAINST DAMAGE OR LOSS.

2.02 THE CONTRACTOR MUST COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OF PROPERTY.

2.03 THE CONTRACTOR'S DUTIES AND RESPONSIBILITIES FOR THE SAFETY AND PROTECTION OF THE WORK MUST CONTINUE UNTIL SUCH TIME AS THE WORK IS SATISFACTORILY COMPLETED, AND THE ENGINEER OF RECORD HAS ISSUED A NOTICE TO THAT EFFECT TO THE OWNER AND THE CONTRACTOR.

3.00 DIMENSIONS

3.01 BEFORE STARTING WORK, CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE SITE, AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER OF RECORD.

3.02 THE CONTRACTOR, BEFORE STARTING ANY WORK, MUST CHECK ALL DIMENSIONS GIVEN ON THE STRUCTURAL DRAWINGS, RELATING TO GRID LINES, COLUMN AND WALL LOCATIONS, STRUCTURAL AND FINISHED FLOOR ELEVATIONS, MEMBER SIZES, ETC., WITH THE ARCHITECTURAL, CIVIL, AND TRAFFIC DRAWINGS. IF ANY DISCREPANCY IS NOTICED, IT MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER, AND WORK MUST NOT COMMENCE UNTIL INSTRUCTIONS ARE RECEIVED FROM THE ENGINEER.

3.03 THE CONTRACTOR MUST REFER TO THE ENGINEER OF RECORD FOR HIS INSTRUCTIONS FOR ANY DIMENSION NOT GIVEN ON OR OBTAINABLE FROM THE CONSTRUCTION DRAWINGS. THE CONTRACTOR MUST NOT USE SCALE TO OBTAIN OR VERIFY ANY DIMENSION SHOWN ON THE CONSTRUCTION DRAWINGS.

4.00 SHOP DRAWINGS

4.01 REVIEW OF SHOP DRAWINGS BY THE ENGINEER OF RECORD IS LIMITED TO COMPLIANCE OF THE COMPLETED STRUCTURE WITH THE DESIGN CONCEPT AND INFORMATION GIVEN IN THE PLANS AND SPECIFICATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DIMENSIONS, QUANTITIES, PERFORMANCE, SAFETY, COORDINATION WITH OTHER WORKS, AND ALL OTHER REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. REVIEW DOES NOT AUTHORIZE CHANGES TO CONTRACT.

4.02 THE CONTRACTOR MUST SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR HIS REVIEW IN ACCORDANCE WITH A SCHEDULE OF SUBMITTALS ACCEPTABLE TO THE ENGINEER. THESE SHOP DRAWINGS MUST HAVE BEEN CHECKED BY, AND STAMPED WITH THE APPROVAL OF THE CONTRACTOR, AND IDENTIFIED AS THE ENGINEER MAY REQUIRE. THE DATA SHOWN ON THE SHOP DRAWINGS MUST BE COMPLETE WITH RESPECT TO DIMENSIONS, DESIGN CRITERIA, AND DULY SIGNED AND SEALED BY A PROFESSIONAL ENGINEER (WHERE APPLICABLE).

5.00 MASONRY

5.01 THE CONTRACTOR MUST REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS RELATING TO MASONRY WORK. CONTRACTOR MUST FURTHER CHECK ANY DETAILS SHOWN ON STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AND NOTIFY ENGINEER AND ARCHITECT OF ANY NOTED DISCREPANCIES.

5.02 CONCRETE MASONRY UNITS (CMU) MUST BE ERECTED AS LOAD BEARING CONCRETE MASONRY. COMPLY WITH ACI 530.1 "SPECIFICATION FOR MASONRY STRUCTURES" FOR MATERIALS, METHODS, AND WORKMANSHIP AND ERECTION TOLERANCES.

5.03 PROVIDE CONCRETE MASONRY UNIT ASSEMBLIES (CMUS) AS INDICATED ON THE DRAWINGS THAT DEVELOPS A MINIMUM NET-AREA COMPRESSIVE STRENGTH (F'M) OF 1500 PSI AT 28 DAYS AND AS FOLLOWS:

- A. CONCRETE MASONRY UNITS MUST CONFORM TO ASTM C90 WITH A MINIMUM BLOCK NET-AREA COMPRESSIVE STRENGTH OF 1900 PSI.
- B. WEIGHT CLASSIFICATION: NORMAL WEIGHT, UNLESS OTHERWISE NOTED
- C. SIZE: MANUFACTURED TO DIMENSIONS 3/8" LESS THAN NOMINAL DIMENSIONS

5.04 PROVIDE MORTAR AND GROUT MATERIALS AS INDICATED ON THE DRAWINGS AND CONFORMING TO THE REQUIREMENTS LISTED BELOW. ALL CELLS CONTAINING REINFORCEMENT, CELLS BELOW GRADE, AND ANY LOCATIONS NOTED ON THE DRAWINGS MUST BE GROUTED SOLID. DO NOT USE ADMIXTURES, INCLUDING AIR-ENTRAINING AGENTS, ACCELERATORS, RETARDERS, WATER-REPELLENT AGENT, ANTIFREEZE COMPOUNDS, OR OTHER ADMIXTURES UNLESS OTHERWISE NOTED. DO NOT USE CALCIUM CHLORIDE IN MORTAR OR GROUT.

- A. MORTAR FOR MASONRY ASSEMBLIES MUST BE TYPE S, PCL MORTAR, CONFORMING TO ASTM C270.
- B. GROUT FOR UNIT MASONRY MUST BE FINE GROUT CONFORMING TO ASTM C476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (FM) EQUAL TO THE SPECIFIED COMPRESSIVE STRENGTH OF MASONRY OR 2000 PSI. GROUT MUST HAVE A SLUMP OF 8 TO 11 INCHES AS MEASURED ACCORDING TO ASTM C143. COMPLY WITH TABLE 1.15.1 IN ACI 530.1 FOR DIMENSIONS OF GROUT SPACES AND POUR HEIGHT.

5.05 PROVIDE VERTICAL REINFORCING AS NOTED PER THE CMU WALL REINFORCING SCHEDULE AND PER THE REQUIREMENTS BELOW. PROVIDE MATCHING DOWELS INTO THE FOOTING OR FOUNDATION CONSTRUCTION.

- A. ALL REBAR MUST BE UNCOATED STEEL REINFORCING BARS: ASTM A615, GRADE 60
- B. REINFORCING STEEL MUST CONFORM TO CURRENT EDITION OF TMS 402/602.
- C. GROUT ALL CELLS CONTAINING REINFORCEMENT AND DO NOT PLACE GROUT UNTIL THE ENTIRE HEIGHT OF MASONRY TO BE GROUTED HAS ATTAINED ENOUGH STRENGTH TO RESIST GROUT PRESSURE. LIMIT HEIGHT OF VERTICAL GROUT POURS TO NOT MORE THAN 60".
- D. PROVIDE AN OPEN BOTTOM BOND BEAM REINFORCED WITH 2 NO. 5 CONTINUOUS BARS AT THE FOLLOWING LOCATIONS AND AS NOTED ON THE DRAWINGS. ALL LINTELS AND BOND BEAMS MUST BEAR A MINIMUM OF 8" ON SOLID MASONRY, EACH SIDE OF THE OPENING.
  - a. AT THE TOP OF ALL WALL ELEVATIONS.
  - b. AT ALL JOIST AND FRAMING BEARING ELEVATIONS

5.06 PROVIDE MASONRY JOINT REINFORCING AT 16" OC VERTICALLY, IN ADDITION TO CONTINUOUS REINFORCEMENT, AND NOT MORE THAN 8" ABOVE AND BELOW OPENINGS IN MASONRY WALLS AND EXTENDING 12" BEYOND SAID OPENING. INTERRUPT JOINT REINFORCEMENT AT CONTROL AND EXPANSION JOINTS, UNLESS OTHERWISE INDICATED. CUT AND BEND REINFORCING UNITS AS DIRECTED BY MANUFACTURER FOR CONTINUITY AT CORNERS, RETURNS, OFFSETS, COLUMN FIREPROOFING, PIPE ENCLOSURES, AND OTHER SPECIAL CONDITIONS. JOINT REINFORCING MUST CONSIST OF HOT-DIPPED GALVANIZED, CARBON STEEL CONFORMING TO ASTM A951 AND PER THE REQUIREMENTS BELOW:

- A. JOINT REINFORCEMENT FOR SINGLE WYTHE WALLS MUST CONSIST OF EITHER LADDER WITH A SINGLE PAIR OF SIDE RODS. SIDE AND CROSS RODS MUST BE W1.7 DIAMETER.
- B. JOINT REINFORCEMENT FOR MULTIWYTHE WALLS MUST CONSIST TAB TYPE, EITHER LADDER OR TRUSS DESIGN, WITH 1 SIDE ROD AT EACH FACE SHELL OF BACKING WYTHE AND WITH RECTANGULAR TABS SIZED TO EXTEND AT LEAST HALFWAY THROUGH FACING WYTHE BUT WITH AT LEAST 5/8-INCH COVER ON OUTSIDE FACE. SIDE AND CROSS RODS MUST BE W1.7 DIAMETER.

5.07 ALL REINFORCEMENT MUST HAVE A SPLICE LENGTH OF 48*BAR DIAMETER.

5.08 UNLESS NOTED OTHERWISE, MAINTAIN A 1" GAP BETWEEN THE TOP OF ALL NON-BEARING MASONRY WALLS AND THE UNDERSIDE OF THE STRUCTURE ABOVE. MAINTAIN A 1" GAP BETWEEN ALL NON-BEARING MASONRY WALLS ADJACENT TO THE STRUCTURE.

5.09 PROVIDE CONTROL AND EXPANSION JOINTS AS NOTED ON THE ARCHITECTURAL DRAWINGS, BUT NOT GREATER THAN 24'-0" OC INSTALL CONTROL AND EXPANSION JOINT MATERIALS IN UNIT MASONRY AS MASONRY PROGRESSES. DO NOT ALLOW MATERIALS TO SPAN CONTROL AND EXPANSION JOINTS WITHOUT PROVISION TO ALLOW FOR IN-PLANE WALL OR PARTITION MOVEMENT.

5.10 DURING CONSTRUCTION, COVER TOPS OF WALLS, PROJECTIONS, AND SILLS WITH WATERPROOF SHEETING AT END OF EACH DAY'S WORK. COVER PARTIALLY COMPLETED MASONRY WHEN CONSTRUCTION IS NOT IN PROGRESS.

5.11 DO NOT APPLY UNIFORM FLOOR OR ROOF LOADS FOR AT LEAST 12 HOURS AND CONCENTRATED LOADS FOR AT LEAST 3 DAYS AFTER BUILDING MASONRY WALLS OR COLUMNS.

5.12 DO NOT USE FROZEN MATERIALS OR MATERIALS MIXED OR COATED WITH ICE OR FROST. DO NOT BUILD ON FROZEN SUBSTRATES. REMOVE AND REPLACE UNIT MASONRY DAMAGED BY FROST OR BY FREEZING CONDITIONS.

5.13 COMPLY WITH HOT-WEATHER CONSTRUCTION REQUIREMENTS CONTAINED IN ACI 530.1.

6.00 REINFORCED CONCRETE (CAST-IN-PLACE)

6.01 THE GENERAL CONTRACTOR MUST ASSIST AND COOPERATE WITH AN INDEPENDENT TESTING LABORATORY (TO BE RETAINED BY THE OWNER) WHICH MUST CONDUCT ALL THE SPECIFIED TESTS REQUIRED FOR THE CONCRETE WORK AND REPORT THE RESULTS OF THESE TESTS DIRECTLY AND PROMPTLY TO THE ENGINEER FOR HIS REVIEW.

6.02 DETAILING OF REBAR MUST BE IN ACCORDANCE WITH THE LATEST REVISION OF THE ACI DETAILING MANUAL, AND CONCRETE REINFORCING INSTITUTE'S LATEST EDITION OF "MANUAL OF STANDARD PRACTICE". ALL SHOP DRAWINGS PERTAINING TO REBAR DETAILS MUST BE SUBMITTED TO THE ENGINEER FOR HIS REVIEW.

6.03 CONCRETE MIX DESIGN FOR ALL CONCRETE WORK IS REQUIRED TO BE SUBMITTED TO THE ENGINEER FOR HIS REVIEW. IT IS TO BE NOTED THAT THE CONCRETE SUPPLIER MUST HAVE A QUALITY CONTROL PROCEDURE FOR THE PRODUCTION OF ALL CONCRETE, WHICH MUST BE ACCEPTABLE TO THE ENGINEER AND MEETS CURRENT ACI STANDARDS.

6.04 CONSTRUCTION JOINTS MUST BE AS APPROVED BY THE STRUCTURAL ENGINEER AND THE ARCHITECT. ENGINEER MUST BE INFORMED AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONCRETE WORK.

6.05 A COPY OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI SP 16 "FIELD REFERENCE MANUAL" MUST BE KEPT IN THE PROJECT FIELD OFFICE AT ALL TIMES.

6.06 CONTRACTOR MUST PREPARE AND SUBMIT QUALITY CONTROL MEASURES TO ENSURE TEMPERATURE WITHIN MASS CONCRETE POURS COMPLIES WITH THE REQUIREMENTS IN THE PROJECT SPECIFICATIONS. MASS CONCRETE POURS APPLY TO ANY SUBSTRUCTURE CONCRETE ELEMENT WHOSE LEAST DIMENSION IS GREATER THAN 5 FT.

6.07 CONCRETE COMPRESSIVE DESIGN STRENGTH IN 28 DAYS:

SPREAD FOOTINGS	4,000 PSI
RT/W STEMS	4,000 PSI
SLAB-ON-GRADE	4,000 PSI (MAX W/C=0.50)
ELEVATED BEAMS AND SLABS	5,000 PSI
COLUMNS	4,000 PSI

6.08 REINFORCING STEEL MUST BE ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE. IF REINFORCEMENT WELDING IS REQUIRED, ASTM A706, GRADE 60 MUST BE REQUIRED UNLESS MILL TEST REPORTS VERIFY THAT THE ASTM A615 STEEL PROVIDED IS AN ACCEPTABLE A706 EQUIVALENT. WELDED WIRE FABRIC OR WIRE MESH MUST BE ASTM A185.

6.09 TOLERANCES FOR REINFORCEMENT FABRICATION, REINFORCEMENT PLACEMENT AND CONCRETE CONSTRUCTION MUST CONFORM TO THE LATEST EDITION OF ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS."

6.10 BAR DETAILS AND SUPPORTS: ACI DETAILING MANUAL AND BUILDING CODE. LAP ALL SPLICES AS SHOWN ON THE STRUCTURAL DRAWINGS.

6.11 CLEAR DISTANCE FROM FACE OF CONCRETE TO MAIN STEEL MUST BE AS SHOWN ON THE STRUCTURAL DRAWINGS. WHERE CLEAR DISTANCE IS NOT SHOWN, ACI 301 MUST CONTROL.

6.12 ALL REINFORCEMENT SHOWN IS INTENDED TO BE CONTINUOUS UNLESS NOTED OTHERWISE. REFER TO REINFORCEMENT STEEL CHART FOR TENSION LAP SPLICES.

6.13 PROVIDE 3/4 INCH CHAMFERS AT ALL EXPOSED EDGES UNO.

6.14 CORE DRILLING MUST NOT BE ALLOWED THROUGH IN-PLACE CONCRETE ELEMENTS UNLESS SPECIFICALLY APPROVED BY THE ENGINEER. PENETRATIONS THROUGH CONCRETE ELEMENTS MUST BE ILLUSTRATED ON SHOP DRAWINGS AND MUST UTILIZE SCHEDULE 40 STEEL PIPE. CLEARANCE REQUIRED WITHIN PIPE SLEEVE MUST BE CONFIRMED BY SUBCONTRACTOR RESPONSIBLE FOR THE MATERIAL PASSING THROUGH THE SLEEVE. REINFORCEMENT CLEAR COVER MUST BE MAINTAINED AROUND THE SLEEVE PENETRATION.

6.15 EMBEDDED ITEMS THAT WILL SUPPORT STRUCTURAL STEEL CONSTRUCTION MUST BE PLACED WITHIN THE TOLERANCES PRESCRIBED IN THE LATEST EDITION OF THE AISC "CODE OF STANDARD PRACTICE". GENERAL CONTRACTOR MUST FIELD VERIFY LOCATION OF EMBEDDED ITEMS PRIOR TO FABRICATION AND DELIVERY OF STRUCTURAL STEEL TO THE PROJECT SITE.

7.00 STRUCTURAL PRECAST

7.01 ALL ARCHITECTURAL AND STRUCTURAL DRAWINGS MUST BE CONSIDERED TO PRESENT THE INTENDED CONSTRUCTION. CONNECTION DETAILS SHOWN ON THE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS MUST BE CONSIDERED PRELIMINARY IN NATURE. IT MUST BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND PRECASTER TO FAMILIARIZE THEMSELVES WITH THE WORK OF OTHERS. IT MUST BE THE RESPONSIBILITY OF THE PRECASTER TO PROVIDE ALL REQUIRED LOOSE CONNECTION MATERIALS TO THE GENERAL CONTRACTOR. IT MUST BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSTALL ALL LOOSE CONNECTION MATERIALS IN ACCORDANCE WITH THE APPROVED PRECAST SHOP DRAWINGS, UNLESS DETERMINED THAT PRECASTER MUST INSTALL.

7.02 PRECASTER MUST SUBMIT COMPREHENSIVE ENGINEERING ANALYSIS AND DESIGN CALCULATIONS WITH SHOP DRAWINGS. ENGINEERING CALCULATIONS MUST BE CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF FLORIDA.

7.03 ALL PERMANENT CONNECTION MATERIALS INCLUDING ANCHORS, PLATES, STUDS, INSERTS, ETC. MUST BE HOT DIPPED GALVANIZED.

7.04 THERE MUST BE NO FIELD CUTTING OF PRECAST ELEMENTS WITHOUT THE PRIOR REVIEW OF THE ARCHITECT/ENGINEER AND THE SUBSEQUENT WRITTEN CONSENT OF THE PRECAST CONCRETE MANUFACTURER.

7.05 COMPLY WITH MNL-116 OF THE PRESTRESSED CONCRETE INSTITUTE, ACI 318-19 AND ACI-ASCE JOINT COMMITTEE 423.

7.06 CONCRETE FOR THE PRECAST ELEMENTS MUST ATTAIN A MINIMUM OF f'c=5,000 PSI COMPRESSIVE STRENGTH AT TWENTY-EIGHT (28) DAYS. CONCRETE MUST BE AIR ENTRAINED, 6% +/- 1%.

7.07 ALL MILD REINFORCING MUST CONFORM TO ASTM A615. GRADE 60, UNLESS NOTED OTHERWISE.

7.08 REINFORCING STEEL BARS WELDED TO STEEL INSERTS AND STRUCTURAL SHAPES MUST CONFORM TO ASTM A706, GRADE 60, AND WELDING MUST CONFORM TO AWS D1.4 "STRUCTURAL WELDING CODE-REINFORCING STEEL", LATEST EDITION.

7.09 ALL WELDED WIRE FABRIC MUST CONFORM TO ASTM A185.

7.10 ALL PRESTRESSING STEEL MUST CONFORM TO ASTM A416 (MINIMUM TENSILE STRENGTH OF 270 KSI).

7.11 ALL GROUT MUST BE OF THE NON-SHRINK, NON-FERROUS TYPE WITH MINIMUM f'c=6,000 PSI 28-DAY COMPRESSIVE STRENGTH.

7.12 PRECAST, PRESTRESSED MEMBERS ARE TO BE DESIGNED FOR "IN PLACE" LOADS. IT MUST BE THE RESPONSIBILITY OF THE PRECAST MANUFACTURER TO PROVIDE PROPER REINFORCEMENT TO WITHSTAND FABRICATING, TRANSPORTING AND ERECTION STRESSES.

7.13 ANY REQ'D TEMPORARY SHORES/COLUMNS, INCLUDING FRICTION CONNECTIONS, TO BE DESIGNED BY THE PRECAST SUPPLIER. TEMPORARY SHORES MUST BE PROVIDED BY THE PRECAST SUPPLIER AND ERECTED BY THE STEEL ERECTOR. THE STEEL FABRICATOR MUST SUPPLY AND DETAIL THE TEMPORARY SHORE CONNECTION HARDWARE AND BEARING STEEL.

7.14 THE PRECAST MANUFACTURER MUST BE RESPONSIBLE FOR THE COMPLETED DESIGN OF THE PRECAST PANELS AND ALL REQUIRE CONNECTIONS NECESSARY TO SUPPORT IN PLANE AND OUT OF PLANE FORCES.

7.15 SHOP DRAWINGS MUST INCLUDE THE FOLLOWING:

- A. PLANS AND/OR ELEVATIONS LOCATING AND DIMENSIONING ALL MEMBERS.
- B. OPENINGS, BLOCKOUTS AND CAST-IN ITEMS.
- C. DESCRIPTION OF ALL LOOSE AND CAST-IN HARDWARE.
- D. LOCATION OF ANCHORS INSTALLED IN THE FIELD.
- E. ERECTION SEQUENCES AND HANDLING REQUIREMENTS.

7.16 ALL HOT-DIPPED GALVANIZED COATINGS DAMAGED, ALTERED, OR MODIFIED DURING CONSTRUCTION ACTIVITIES MUST BE REPAIRED IN ACCORDANCE WITH ASTM A780.

7.17 LONGITUDIAL JOINTS BETWEEN ADJACENT PRECAST PLANKS MUST BE GROUTED SOLID.

8.00 FOUNDATIONS

8.01 REFER TO UNDERGROUND PLUMBING, MECHANICAL, FIRE PROTECTION, CIVIL AND ELECTRICAL PLANS FOR LOCATIONS AND SIZES OF OPENING THROUGH CIP CONCRETE, AND ALL NECESSARY EMBEDDED ITEMS AS REQUIRED.

8.02 FOUNDATIONS MUST BE CENTERED ON COLUMN GRID LINES, EG COLUMNS, WALLS, ETC, UNLESS NOTED OTHERWISE.

8.03 FOUNDATION DESIGN BASED ON THE REPORT OF GEOTECHNICAL EVALUATION PREPARED BY ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC., DATED SEPTEMBER 2020, WHICH IS INCORPORATED HEREIN BY REFERENCE. ALL FOUNDATION AND SUBGRADE RECOMMENDATIONS MUST BE FOLLOWED.

8.04 SPREAD FOOTINGS ARE DESIGNED FOR MAX ALLOWABLE BEARING PRESSURE OF 1,500 PSF.

8.05 SUBGRADE PREPARATION SHALL BE FIELD CONTROLLED AND TESTED BY A LICENSED SOILS ENGINEER IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. AT COMPLETION, THAT ENGINEER SHALL PREPARE AND SUBMIT TO THE OWNER, ARCHITECT, CONTRACTOR AND STRUCTURAL ENGINEER A SIGNED AND SEALED LETTER INDICATED THAT THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT HAVE BEEN FOLLOWED.

9.00 SLAB-ON-GRADE

9.01 TYPICAL CONSTRUCTION PROCEDURE FOR THE SLAB-ON-GRADE MUST BE BASED ON LINE STRIP CONSTRUCTION METHOD. CONTRACTOR MUST SUBMIT A SOG CONTROL JOINT PLAN FOR REVIEW PRIOR TO PLACING CONCRETE. CONTROL JOINT SPACING MUST NOT EXCEED 12'-0" WITH A MAXIMUM ASPECT RATIO OF 2:1.

9.02 PRIOR TO SLAB-ON-GRADE CONSTRUCTION, THE SUBGRADE MUST BE PREPARED AND EVALUATED IN ACCORDANCE WITH THE RECOMMENDATIONS AND COMPACTION LIMITS PROVIDED IN THE REPORT OF GEOTECHNICAL EVALUATION PREPARED BY ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC., DATED SEPTEMBER 2020.

9.03 PROVIDE ISOLATION JOINTS AT ALL COLUMNS / POSTS AND MEP PIPES THAT PENETRATE CONCRETE SLAB-ON-GRADE. ISOLATION JOINTS ARE NOT SHOWN ON THE PLAN FOR CLARITY.

9.04 COORDINATE LOCATIONS OF ALL FLOOR DRAINS, SLAB DEPRESSIONS, AND ASSOCIATED PLUMBING WITH MEP PLANS.

10.00 STRUCTURAL STEEL

10.01 DESIGN, FABRICATION AND ERECTION MUST BE IN ACCORDANCE WITH AISC 360-16 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS".

10.02 STRUCTURAL STEEL SHAPES SHALL BE FABRICATED FROM THE FOLLWING MATERIALS:

- a. ROLLED W AND WT SHAPES: ASTM A992, GRADE 50.
- b. ROLLED M, S, C AND MC SHAPES AND ANGLES: ASTM A36, Fy=36 KSI.
- c. PLATES AND BARS: ASTM A36, Fy=36 KSI.
  COLD-FORMED HOLLOW STRUCTURAL SECTIONS (HSS):
  1. ROUND SECTIONS: ASTM A500, GRADE C, Fy=46 KSI.
  2. SQUARE AND RECTANGULAR SECTIONS: ASTM A500, GRADE B, Fy=46 KSI.
- e. STEEL PIPE: ASTM A53, TYPE E OR S, GRADE B, Fy=35 KSI.

10.03 ALL WELDS MUST BE PERFORMED BY CERTIFIED WELDERS AND MUST CONFORM TO REQUIREMENTS OF AWS D1.1.

10.04 THE BOLT SUPPLIER MUST USE PAINT TO COLOR AND IDENTIFY UNIQUE BOLT SIZES AND GRADES (OTHER THAN 3/4" Ø A325-N). A MATCHING PAINT STRIPE MUST BE MADE NEAR THE END OF EACH MEMBER THAT IS TO ACCEPT A UNIQUE BOLT SIZE OR GRADE.

10.05 ALL COPES, BLOCKS AND CUTS IN STRUCTURAL MEMBERS MUST BE MADE FREE OF NOTCHES OR OTHER AREAS THAT COULD CREATE STRESS CONCENTRATIONS. THE MINIMUM RADIUS AT CORNERS MUST BE ½".

10.06 ALL FIELD SPLICES OF CONTINUOUS BEAMS MUST BE FULL PENETRATION WELDS. NO BOLTED FIELD SPLICES WILL BE PERMITTED.

10.07 FABRICATOR MUST PROVIDE A FIELD-WELD SCHEDULE SUMMARIZING MINIMUM PREHEAT, THE WELD FILLER MATERIAL, THE PROPER WELD DEPOSITION RATE AND WELDING MACHINE SETTINGS FOR EACH WELD THAT WILL BE UTILIZED IN THE FIELD.

10.08 ALL EMBED PLATES MUST BE OVER-SIZED TO ACCOUNT FOR PRECAST AND STRUCTURAL STEEL FABRICATION AND ERECTION TOLERANCES. EMBEDS MUST EXTEND A MINIMUM OF 3" BEYOND THE CONNECTION ELEMENT ON ALL SIDES, UNLESS EXPLICITLY DETAILED OTHERWISE.

No:	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
ENG/ARCH NAME
FL LICENSE NUMBER

PROJECT NUMBER	144124059
DATE	01/17/2025
	1" = 1'-0"
DESIGNED BY	JJF
DRAWN BY	PCM
CHECKED BY	JJF

GENERAL NOTES

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
S000

11/6/2025 3:37:21 PM Autodesk Docs://TIA OTA Buildings/TIA OTA Buildings_Struct_v2024.rvt
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11.00 STEEL JOISTS

11.01 THE JOIST FABRICATOR MUST BE A MEMBER OF THE STEEL JOIST INSTITUTE (SJI) AND JOIST DESIGN, FABRICATION, AND ERECTION MUST CONFORM TO THE REQUIREMENTS OF SJI.

11.02 BRIDGING IS TO BE PROVIDED PER THE REQUIREMENTS OF SJI. THE BRIDGING INDICATED ON THE DRAWING MAY NOT BE INDICATIVE OF THE REQUIRED NUMBER OF ROWS.

11.03 JOISTS, JOIST GIRDERS, BRIDGING, AND ALL CONNECTIONS MUST BE DESIGNED FOR A NET UPLIFT AS INDICATED ON THE STRUCTURAL DRAWINGS. IF DESIGN LOADINGS INDICATE A NET UPLIFT, A MINIMUM OF A SINGLE LINE OF CONTINUOUS BOTTOM CHORD BRIDGING MUST BE PROVIDED NEAR THE FIRST BOTTOM CHORD PANEL POINT AT EACH END OF JOIST. A SUSTAINED DEAD LOAD OF 10 PSF MAY BE ASSUMED TO ACT ON THE STRUCTURE.

11.04 WHERE JOISTS ARE SUPPORTED ON ONLY ONE SIDE OF A BEAM THE CENTERLINE OF THE JOIST MUST EXTEND A MINIMUM OF ONE INCH BEYOND THE CENTERLINE OF THE BEAM.

11.05 PROVIDE STANDARD DEPTH OF BEARING FOR ALL JOISTS AS SHOWN BELOW BELOW UNLESS DETAILED OTHERWISE ON THE DRAWINGS. WHERE K-SERIES AND LH-SERIES JOISTS BEAR ON A COMMON BEAM, THE K-SERIES JOISTS MUST BE PROVIDED WITH A 5" SEAT TO MATCH.

K-SERIES: 2 1/2"
LH-SERIES AND DLH SERIES: 5"

11.06 PROVIDE BEVELED ENDS OR SLOPED SHOES FOR ALL SLOPED JOIST AND JOIST GIRDERS WHERE THE SLOPE EXCEEDS 1/4 INCH IN 12 INCHES, UNLESS SHOWN OTHERWISE ON THE DRAWINGS. PROVIDE DEPTH OF SEAT AT SLOPING JOISTS PER SJI RECOMMENDATIONS.

11.07 JOIST ENDS MUST BE ATTACHED TO SUPPORTS IN ACCORDANCE WITH THE SJI JOIST SPECIFICATIONS FOR K-SERIES AND LH-, DLH-SERIES (45ND EDITION) RESPECTIVELY AFTER HAVING BEEN STRAIGHTENED AND PLUMBED AND ALL BRIDGING IS INSTALLED AND CONNECTED.

11.08 CONTRACTOR MUST PROVIDE MEANS TO ENSURE ADEQUATE DISTRIBUTION OF CONCENTRATED LOADS SO THAT LOAD-BEARING CAPACITY OF ANY JOIST IS NOT EXCEEDED.

11.09 ENDS OF BOTTOM CHORD SUPPORT BEARING JOISTS MUST BE LATERALLY RESTRAINED IN ACCORDANCE WITH THE SJI JOIST SPECIFICATIONS FOR K-SERIES AND LH-, DLH-SERIES (45ND EDITION).

11.10 ALL WELDING OF JOIST ENDS AND BRIDGING MUST CONFORM TO THE LATEST EDITION OF AWS D1.1.

11.11 JOIST SEATS MUST HAVE A CAPACITY TO RESIST A LATERAL LOAD APPLIED TO THE TOP CHORD AND PERPENDICULAR TO THE SPAN. THIS "ROLLOVER" LOAD MUST BE A MINIMUM OF 500 LBS FOR 2 1/2" AND 5" DEEP SEATS.

11.12 BOTTOM CHORD CONCENTRATED LOADS: ALL CONCENTRATED LOADS FROM MECHANICAL PIPING, DUCTS, CEILINGS, ETC, ATTACHED TO THE BOTTOM CHORD MUST BE HUNG AT PANEL POINTS OF THE STEEL JOISTS.

12.00 ELEVATED METAL DECK

12.01 ALL NOTES APPLY TO NONCOMPOSITE AND COMPOSITE METAL FLOOR DECKING WITH CONCRETE TOPPING AND UNTOPPED ROOF DECKING, UNLESS NOTED OTHERWISE.

12.02 THE CONTRACTOR MUST PROVIDE ALL ACCESSORIES REQUIRED TO COMPLETE THE METAL DECK INSTALLATION AND CONCRETE PLACEMENT, INCLUDING CELL, Z AND COLUMN CLOSURES, POUR STOPS AND BEAM FILLERS. ALL REQUIRED COMPONENTS MUST BE ILLUSTRATED ON SHOP DRAWINGS.

12.03 REFER TO CONTRACT DRAWINGS FOR CONNECTION DETAILS AND DEFINITION OF PERIMETER AND CORNER AREAS.

12.04 METAL DECK MUST BE PROVIDED IN LONGEST LENGTHS POSSIBLE, PROVIDED A MINIMUM OF 3-SPAN CONDITIONS IN ALL LOCATIONS.

12.05 STEEL DECK MUST CONFORM TO ASTM A653 AND SDI DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS. STEEL DECK MUST BE RECOGNIZED UNDER THE LATEST VERSION OF ICC-ES AC43 ACCEPTANCE CRITERIA FOR STEEL DECK, ROOF AND FLOOR SYSTEMS.

12.06 SHOP DRAWINGS INDICATING STEEL DECK LAYOUT, FASTENING METHOD AND PATTERN MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD PRIOR TO STEEL DECK INSTALLATION.

12.07 CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO ENSURE STEEL DECK IS NOT DAMAGED PRIOR TO INSTALLATION DURING STORAGE, HANDLING AND ERECTION. DAMAGED STEEL DECK MUST BE REPLACED.

12.08 STEEL DECK MUST BE STORED OFF THE GROUND WITH ONE END ELEVATED TO PROVIDE DRAINAGE AND SHOULD BE PROTECTED FROM THE ELEMENTS WITH A WATERPROOF COVERING VENTILATED TO PREVENT CONDENSATION.

12.09 STEEL DECK PANELS MUST BE PLACED STRAIGHT AND TRUE WITH A MAXIMUM 1/4-INCH HORIZONTAL MISALIGNMENT IN 100 FEET LENGTH. STEEL DECK MUST BE MARKED OVER JOIST CHORDS PRIOR TO FASTENING TO PREVENT WELD BURN THROUGH OR MECHANICAL FASTENER PUNCH THROUGH.

12.10 ENDLAPS OF STEEL DECK MUST OVERLAP ADJACENT SHEETS A MINIMUM OF 2 INCHES UNLESS NOTED OTHERWISE.

12.11 FRAMING AROUND TYPICAL OPENINGS MUST BE IN ACCORDANCE WITH STANDARD PRACTICE DETAILS PROVIDED IN SDI "MANUAL OF CONSTRUCTION WITH STEEL DECK."

12.12 NO MECHANICAL, ELECTRICAL, PLUMBING, ARCHITECTURAL OR MISCELLANEOUS ELEMENTS MUST BE SUPPORTED FROM THE UNDERSIDE OF THE METAL DECK. ANCHORS THROUGH THE METAL DECK THAT PENETRATE INTO THE CONCRETE TOPPING WILL BE CONSIDERED FOR ENGINEERS APPROVAL WHEN LOAD IS LESS THAN 200 POUNDS.

12.13 REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF ALL ROOF OPENINGS, ROOF DRAIN DETAILS, SKYLIGHT AND ROOF HATCH DETAILS.

12.14 MECHANICAL FASTENERS:

A. INSTALL POWDER-ACTUATED FASTENERS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
B. POWDER-ACTUATED FASTENERS MUST BE MANUFACTURED FROM AISI 1070 MODIFIED STEEL, AUSTEMPERED TO A ROCKWELL C HARDNESS OF 52-58. FASTENERS MUST HAVE MINIMUM TENSILE AND SHEAR STRENGTHS OF 285 KSI AND 182 KSI RESPECTIVELY.
C. POWDER-ACTUATED FASTENERS MUST HAVE BALLISTIC POINTS, KNURLED SHANKS AND MINIMUM 12-MM DIAMETER STEEL WASHERS.

13.00 COLD FORMED METAL FRAMING

13.01 LIGHT GAUGE STRUCTURAL STEEL FRAMING MUST BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISI'S "STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS".

13.02 PREPARATION OF SHOP DRAWINGS, DESIGN CALCULATIONS, AND OTHER STRUCTURAL DATA BY A QUALIFIED PROFESSIONAL ENGINEER IS REQUIRED FOR THIS PROJECT. THE SHOP DRAWINGS MUST BE BASED UPON THE MEMBER SIZES AND SPACINGS INDICATED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND MUST BE SIMILAR TO THOSE INDICATED FOR THIS PROJECT IN MATERIAL, DESIGN, AND EXTENT UNLESS VARIATIONS ARE SUPPORTED BY THE DESIGN CALCULATIONS. UNLESS VARIATIONS ARE SUPPORTED BY THE DESIGN CALCULATIONS, SHOP DRAWINGS MUST ALSO INCLUDE MISCELLANEOUS FRAMING AND CONNECTIONS, INCLUDING SUPPLEMENTARY FRAMING, WEB STIFFENERS, CLIP ANGLES, CONTINUOUS ANGLES, ANCHORS, AND FASTENERS, TO PROVIDE A COMPLETE AND COLD FORMED METAL FRAMING SYSTEM. COLD-FORMED METAL FRAMING CAPABLE OF WITHSTANDING DESIGN LOADS WITHOUT DEFLECTIONS GREATER THAN THE REQUIREMENTS AS NOTED IN THE FLORIDA STATE BUILDING CODE OR HEREIN ARE INDICATED AS SHOWN.

13.03 PROVIDE COLD FORMED METAL FRAMING AS FOLLOWS:

A. STEEL SHEET PER ASTM A1003, STRUCTURAL GRADE, TYPE H, METALLIC COATED. STEEL MUST BE GRADE ST33H AND COATED WITH A G60 MINIMUM COATING.
B. STEEL SHEET FOR VERTICAL DEFLECTION AND DRIFT CLIPS PER ASTM A 653, STRUCTURAL STEEL, ZINC COATED. STEEL MUST BE GRADE 50 AND COATED WITH A G90 MINIMUM COATING
C. STRUCTURAL MEMBERS MUST HAVE THE MINIMUM YIELD STRESS AS FOLLOWS:
   i. 33 mil, 43 mil = 33 KSI
   ii. 54 mil, 68 mil, 97 mil = 50 KSI

13.04 PROVIDE ANCHORS, CLIPS, AND FASTENERS AS FOLLOWS:

A. STEEL ANCHOR HEX-HEADED BOLTS AND CARBON-STEEL NUTS; AND FLAT, HARDENED-STEEL WASHERS; ZINC COATED BY MECHANICALLY DEPOSITION ACCORDING TO ASTM B695, CLASS 50.
B. EXPANSION ANCHORS FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO 5 TIMES DESIGN LOAD, AS DETERMINED BY TESTING PER ASTM E 488.
C. POWDER-ACTUATED ANCHORS: FASTENER SYSTEM OF TYPE SUITABLE FOR APPLICATION. FASTENER MUST HAVE A SHANK DIAMETER OF 0.177" AND A 1-1/2" MINIMUM EMBEDMENT. SCREW MUST HAVE A MINIMUM TENSION VALUE OF 205 LBS. AND A SHEAR VALUE OF 285 LBS. INTO 3000 PSI CONCRETE.
D. MECHANICAL FASTENERS: ASTM C 1513, CORROSION-RESISTANT-COATED, SELF-DRILLING, SELF-TAPPING STEEL DRILL SCREWS. UNLESS OTHERWISE NOTED SCREWS MUST BE #10 MINIMUM AND HAVE A MINIMUM TENSION VALUE OF 98 LBS. AND A SHEAR VALUE OF 263 LBS. IN 0.043" (43 mil) MATERIAL.
E. POWDER ACTUATED FASTENERS: KNURL SHANKED POWDER ACTUATED FASTENERS. FASTENER MUST HAVE A SHANK DIAMETER OF 0.177", SCREW MUST HAVE A MINIMUM TENSION VALUE OF 330 LBS. AND A SHEAR VALUE OF 359 LBS. IN A MINIMUM STRUCTURAL STEEL THICKNESS OF 3/16".

13.05 INSTALL COLD-FORMED METAL FRAMING AND ACCESSORIES PLUMB, SQUARE, AND TRUE TO LINE, AND WITH CONNECTIONS SECURELY FASTENED.

13.06 LOCATE MECHANICAL FASTENERS AND INSTALL ACCORDING TO SHOP DRAWINGS, AND COMPLYING WITH REQUIREMENTS FOR SPACING, EDGE DISTANCES, AND SCREW PENETRATION AS NOTED ON THESE DRAWINGS.

13.07 COMPLY WITH THE FOLLOWING FOR EXTERIOR NON-LOAD-BEARING WALL INSTALLATION.

A. INSTALL CONTINUOUS TRACKS SIZED TO MATCH STUDS. ALIGN TRACKS ACCURATELY AND SECURELY ANCHOR AT CORNERS AND ENDS, AND AT SPACINGS AS INDICATED.
B. FASTEN BOTH FLANGES OF STUDS TO BOTTOM TRACK, UNLESS OTHERWISE INDICATED. SPACE STUDS PER THE WALL FRAMING SCHEDULE.
C. ISOLATE NON-LOAD-BEARING STEEL FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF VERTICAL LOADS WHILE PROVIDING LATERAL SUPPORT. CLIPS MUST ALLOW FOR AN UPWARD AND DOWNWARD MOVEMENT OF 1", UNLESS OTHERWISE NOTED.
D. INSTALL HORIZONTAL BRIDGING IN STUD SYSTEM, SPACED AS INDICATED ON SHOP DRAWINGS BUT NOT GREATER THAN 48" O.C. FASTEN AT EACH STUD INTERSECTION.

13.08 EXTERIOR WALLS MUST BE CAPABLE OF RESISTING THE COMPONENT AND CLADDING WIND LOADINGS SHOWN IN STRUCTURAL DESIGN LOADING SECTION. AN OUT-OF-PLANE DEFLECTION LIMIT UNDER WIND LOADING OF L/400 MUST BE USED.

14.00 POST-INSTALLED ANCHORS

14.01 UNLESS OTHERWISE INDICATED ON PLANS, POST-INSTALLED ANCHORS MUST CONSIST OF THE FOLLOWING ANCHOR TYPES, OR APPROVED EQUAL:

	ADHESIVE ANCHOR	MECHANICAL ANCHOR
SOLID CONCRETE	HILTI RE 500v3 SAFE SET SYSTEM HILTI HY 200 SAFE SET SYSTEM	HILTI KWIK HUS EZ HILTI KWIK BOLT TZ
GROUTED MASONRY	HILTI HY 70	HILTI KWIK BOLT 3

14.02 SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR MUST PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT AND CURRENT BUILDING CODE.

14.03 INSTALL ANCHORS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, AS INCLUDING IN THE ANCHOR PACKAGING.

14.04 THE CONTRACTOR MUST ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

14.05 ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.

14.06 EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR MUST REVIEW THE EXISTING STRUCTURAL DRAWINGS AND MUST UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS. CONTRACTOR MUST IMMEDIATELY CONTACT THE EOR IF A CONFLICT IS IDENTIFIED.

14.07 CONTRACTOR MUST NOTIFY ENGINEER IF ADHESIVE ANCHORS ARE GOING TO BE INSTALLED BY DIAMOND-CORE DRILLING AS IT COULD AFFECT THE TYPE OF ADHESIVE OR EMBEDMENT DEPTH REQUIRED.

No.	REVISIONS	DATE	BY

Kimley»Horn
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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER

PROJECT NUMBER 144124059
DATE 01/17/2025
1" = 1'-0"
DESIGNED BY JJF
DRAWN BY PCM
CHECKED BY JJF

GENERAL NOTES, CONT

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
S001

1/16/2025 3:37:21 PM Autodesk Docs://TIA1 CFI 1 Buildings/TIA1 CFI 1 Buildings_Struct_v2024.rvt
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LEGEND / SYMBOLS

GENERAL

℄	NEW COLUMN GRIDLINE

FOUNDATION / SLAB-ON-GRADE

W10x60 / BP1	DENOTES COLUMN TYPE AND BASE PLATE TYPE. SEE BASE PLATE SCHEDULE.
	FOOTING STEP, SEE TYPICAL DETAIL
F4.0 (-2'-0")	DENOTES TOP OF SPREAD FOOTING TYPE "F4.0", WITH A TOP OF FOOTING ELEVATION AT -2'-0" REFERENCED FROM FFE. SEE SPREAD FOOTING SCHEDULE.
WF3.0 (-2'-0")	DENOTES WALL FOOTING TYPE "WF3.0", WITH A TOP OF TOOTING ELEVATION AT (-2-0") REFERENCED FROM FFE. SEE WALL FOOTING SCHEDULE.
P1 (-1'-0")	DENOTES CONC PEDESTAL WITH TOP OF PEDESTAL ELEV AT -1'-0" REFERENCED FROM FFE. SEE PEDESTAL SCHEDULE.
(-2'-0")	DENOTES FOOTING WITH A TOP OF FOOTING ELEV AT -2'-0" REFERENCED FROM FFE.
-2'-0"	DENOTES TOP OF SLAB ELEVATION AT -2'-0" RELATIVE TO FFE.
	INDICATES A STEP/RECESS OF FFE.
	CONCRETE WALL CONSTRUCTION OR CONTROL JOINT
	DENOTES LATERAL BRACING
	FOUNDATION DRAIN PER RETAINING WALL DETAILS

STEEL FRAMING

	INDICATES SPAN DIRECTION OF METAL DECK WITH CONC SLAB
	INDICATES SPAN DIRECTION OF METAL DECK/ BAR GRATING
4HC10	DENOTES HOLLOW CORE PANEL, 4'-0" WIDE, 10" THICK
	MOMENT CONNECTION
PL	INDICATES STIFFENER PL'S REQUIRED AT MOMENT CONNECTION
(XXX'-XX")	DENOTES TOP OF STEEL ELEVATION REFERENCED FROM FINISHED FIRST FLOOR ELEVATION OF 0'-0"
[20]	NUMBERS IN BRACKETS SHOWN THUS, [20], DENOTES 20 HEADED SHEAR STUDS WELDED TO STEEL MEMBER.
C = X"	BEAM CAMBER AT MID-SPAN
X_k	SHEAR REACTION (ASD), SEE NOTES ON TYPICAL DETAIL FOR MIN
$X_{k,ft}$	MOMENT REACTION (ASD)
$T=X_k$	AXIAL DESIGN FORCE (ASD)
VF-10	VERTICAL FRAME, SEE FRAMING ELEVATIONS FOR DIAGONAL BRACING
	DENOTES LATERAL BRACING
	INDICATES CROSS-BRACING IN ADDITION TO SJI JOIST REQUIREMENTS
	INDICATES A STEP/RECESS OF FFE
DBE X'-X"	DENOTES DECK BEARING ELEVATION OF X'-X" ABOVE FFE
BCX	DENOTES BOTTOM CHORD EXTENSION. PROVIDE AT EVERY OTHER JOIST, TYP UNO.
	DENOTES BEAM CONTINUOUS OVER COLUMN WITH MOMENT FORCE (ASD) TRANSFERRED BETWEEN BEAM AND COLUMN.
WO	DENOTES WEB OPENING, SEE TYPICAL DETAIL WHERE REQD

ABBREVIATIONS

A/E	ARCHITECT/ENGINEER
AB	ANCHOR BOLT
ABC	AGGREGATE BASE COURSE
ACC	ACCESSIBLE
ADDL	ADDITIONAL
ADDM	ADDENDUM
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AFS	ABOVE FINISHED SLAB
AGGR	AGGREGATE
ALLOW	ALLOWANCE
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT, ARCHITECTURAL
BC	BACK OF CURB
BF	BOTH FACES
BLDG	BUILDING
BM	BEAM; BENCHMARK
BOT	BOTTOM
BTWN	BETWEEN
BW	BOTH WAYS
C&G	CURB AND GUTTER
CANTIL	CANTILEVER
CCW	COUNTERCLOCKWISE
CD	CONSTRUCTION DOCUMENTS
CEM	CEMENT
CGS	CENTER OF GRAVITY OF STRAND
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLL	COLUMN LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUE; CONTINUOUS
COORD	COORDINATE
COV	COVER
CTC	CENTER TO CENTER
CTR	CENTER
CTRL JT	CONTROL JOINT
CW	CLOCKWISE
D	DEPTH
D-B	DESIGN-BUILD
DEFL	DEFLECTION
DEG	DEGREE
DEL	DELETE
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIR	DIRECTION
DIST	DISTANCE
DL	DEAD LOAD
DR	DRAIN; DRIVE
DSGN	DESIGN
DWG	DRAWING
DWL	DOWEL(S)
E	EAST
EA	EACH
EC	EDGE OF CURB
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	EACH LAYER; ELEVATION
ELEV	ELEVATOR
EMBED	EMBEDMENT
ENGR	ENGINEER
ENTR	ENTRANCE
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EQ	EQUAL
EQL SP	EQUALLY SPACED
EQUIP	EQUIPMENT
ESP	EXPANSION; EXPOSED
EST	ESTIMATE
EW	EACH WAY
EX / EXIST	EXISTING
EXP BT	EXPANSION BOLT
EXP JT	EXPANSION JOINT
EXST GR	EXISTING GRADE
EXT	EXTERIOR
EXTN	EXTENSION
FD	FLOOR DRAIN
FDTN	FOUNDATION
FF	FINISH FACE
FF EL	FINISH FLOOR ELEVATION
FIN	FINISH
FIN FLR	FINISH FLOOR
FIN GR	FINISH GRADE
FLR	FLOOR
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOW	FACE OF WALL
FR	FRAME
FRMG	FRAMING
FT	FEET; FOOT
FTF	FACE TO FACE
FTG	FOOTING
FWRK	FORMWORK
G	GIRDER; GROUND
GA	GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERAL
GL	GROUND LEVEL
GR BM	GRADE BEAM
GR FL	GROUND FLOOR
HDG	HOT-DIP GALVANIZING
HK	HOOK
HORIZ	HORIZONTAL
HS	HEADED STUD
HT	HEIGHT
ID	INSIDE DIAMETER (DIMENSION)
IF	INSIDE FACE
IN	INCH
INFO	INFORMATION
INSTL	INSTALL
INT	INTERIOR
ISO JT	ISOLATION JOINT
JST	JOIST
JT	JOINT
KIP	THOUSAND POUNDS
KLF	KIPS PER LINEAR FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
KWY	KEYWAY
L	ANGLE
LBS	POUNDS
LD	LONG DIRECTION
LF	LINEAR FEET (FOOT)
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LN	LANE
LTL	LINTEL
M	MOMENT
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MBR	MEMBER
MEAS	MEASURE
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MULT	MULTIPLE
N	NORTH
NA	NOT APPLICABLE
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NORM	NORMAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER (DIMENSION)
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OTO	OUT TO OUT
PAR	PARALLEL
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PERP	PERPENDICULAR
PL	PLATE; PROPERTY LINE
PRCST	PRECAST
PRELIM	PRELIMINARY
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PS CONC	PRESTRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST TENSIONED
PT CONC	POST TENSIONED CONCRETE
QTR	QUARTER
R	RADIUS
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REBAR	REINFORCING STEEL BAR
REF	REFERENCE
REINF	REINFORCEMENT
REP	REPAIR
REPL	REPLACE
REQD	REQUIRED
REV	REVISION
RFI	REQUEST FOR INFORMATION
RFP	REQUEST FOR PROPOSAL
RT/W	RETAINING WALL
S	SOUTH
SCHED	SCHEDULE
SD	SHOP DRAWINGS; SCHEMATIC DESIGN; SHORT DIRECTION
SEC	SECTION
SIM	SIMILAR
SL	SNOW LOAD
SOG	SLAB-ON-GRADE
SP EL	SPOT ELEVATION
SPA	SPACES
SPEC	SPECIFICATION
SQ	SQUARE
STD	STANDARD
STL	STEEL
STL JST	STEEL JOIST
STOR	STORAGE
STRUCT	STRUCTURAL
T&B	TOP AND BOTTOM
TB	THROUGH BOLT
TE	TOP ELEVATION
TEMP	TEMPERATURE; TEMPORARY
TFF	TOP OF FINISH FLOOR
THK	THICKNESS
THRU	THROUGH
TO	TOP OF ___
TO FDN	TOP OF FOUNDATION
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE (CURB)
TOC FTG	TOP OF CONCRETE FOOTING
TOC WALL	TOP OF CONCRETE WALL
TOF	TOP OF FLOOR (FOOTING)
TOM	TOP OF MASONRY
TOS	TOP OF SLAB
TOW	TOP OF WALL
TYP	TYPICAL
UNIF	UNIFORM
UNO	UNLESS NOTED OTHERWISE
V	SHEAR
VAR	VARIES
VEH	VEHICLE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WF	WIDE FLANGE
WL	WIND LOAD
WP	WATERPROOFING
WWF	WELDED WIRE FABRIC

CLASS A

BAR SIZE	f'c = 3 KSI TOP (IN)	f'c = 3 KSI OTHER (IN)	f'c = 3.5 KSI TOP (IN)	f'c = 3.5 KSI OTHER (IN)	f'c = 4 KSI TOP (IN)	f'c = 4 KSI OTHER (IN)	f'c = 5 KSI TOP (IN)	f'c = 5 KSI OTHER (IN)
#3	22	17	20	16	19	16	-	-
#4	29	22	27	21	25	19	22	17
#5	36	28	34	26	31	24	28	22
#6	43	33	40	31	37	29	33	25
#7	63	48	58	45	54	42	48	37
#8	72	55	66	51	62	48	55	42
#9	81	62	75	58	70	54	62	48
#10	91	70	84	65	79	61	70	54
#11	101	78	94	72	87	68	78	60

CLASS B

BAR SIZE	f'c = 3 KSI TOP (IN)	f'c = 3 KSI OTHER (IN)	f'c = 3.5 KSI TOP (IN)	f'c = 3.5 KSI OTHER (IN)	f'c = 4 KSI TOP (IN)	f'c = 4 KSI OTHER (IN)	f'c = 5 KSI TOP (IN)	f'c = 5 KSI OTHER (IN)
#3	28	22	26	20	25	20	19	-
#4	38	29	35	27	33	25	29	22
#5	47	36	43	34	41	32	36	28
#6	56	43	52	40	48	38	43	33
#7	82	63	75	58	71	55	63	48
#8	93	73	86	66	81	63	72	55
#9	105	81	97	75	91	71	81	62
#10	118	91	109	84	102	80	91	70
#11	131	101	121	94	113	89	101	78

NOTES:
1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
2. CLASS A SPLICE LENGTH EQUALS THE BASIC DEVELOPMENT LENGTH (Ld) OF THE BAR.
3. BUNDLED BARS MUST INCREASE VALUES BY 20% FOR THREE BAR BUNDLES AND 33% FOR FOUR BAR BUNDLES.
4. CLEAR SPACING BETWEEN BARS BEING DEVELOPED OR BARS ADJACENT TO A SPLICE MUST NOT BE LESS THAN 1" OR DIAMETER OF BAR.
5. Ld MUST BE INCREASED BY 1.5 FACTOR IF ONE OF THE BELOW REQUIREMENTS IS NOT MET:
   A. CLEAR SPACING BETWEEN BARS BEING DEVELOPED OR SPLICED MUST NOT BE LESS THAN DIAMETER OF BAR, CLEAR COVER NOT LESS THAN DIAMETER OF BAR, AND STIRRUPS/TIES MUST BE PROVIDED THROUGHOUT Ld.
   B. CLEAR SPACING BETWEEN BARS BEING DEVELOPED OR SPLICED MUST NOT BE LESS THAN 2 TIMES DIAMETER OF BAR, AND CLEAR COVER NOT LESS THAN DIAMETER OF BAR.

1 S002 — REINF STEEL CHART FOR TENSION LAP SPLICES

90 DEG STD HOOKS, Ldh

BAR SIZE	f'c = 3 KSI (IN)	f'c = 3.5 KSI (IN)	f'c = 4 KSI (IN)	f'c = 5 KSI (IN)
#3	9	8	8	7
#4	11	11	10	9
#5	14	13	12	11
#6	17	16	15	13
#7	20	18	17	15
#8	22	21	19	17
#9	25	23	22	20
#10	28	26	25	22
#11	31	29	27	24

NOTES:
1. VALUES ASSUME NO EPOXY-COATING IS USED AND NORMAL WEIGHT AGGREGATE CONCRETE.
2. NO REDUCTION FACTORS IN ACI 318, SECTION 25.4.3 ARE APPLIED TO THESE VALUES.
3. THE HOOK DEVELOPMENT LENGTH MUST NOT BE LESS THAN 8"BAR DIA.
4. 90° STD HOOK MUST BE BEND PLUS 12"BAR DIA EXTENSION AT FREE END.
5. CONTRACTOR MAY APPLY A 0.70 MODIFICATION FACTOR ON THESE VALUES FOR REINF WITH A SIDE COVER (NORMAL TO PLAN OF HOOK) ≥ 2 1/2" AND FOR 90° HOOK WITH COVER ON BAR EXTENSION BEYOND HOOK ≥ 2".
6. CONTRACTOR MAY USE A 0.80 MULTIPLIER ON THESE VALUES FOR 90° HOOKS ENCLOSED ALONG Ldh WITHIN TIES OR STIRRUPS ORIENTED PERPENDICULAR TO Ldh WITH SPACING ≤ 3" BAR Ø.

2 S002 — REINF STEEL CHART FOR STD 90 DEGREE HOOKS

No:	REVISIONS	DATE	BY

Kimley»Horn
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2615 CENTENNIAL BOULEVARD, SUITE 102
TALLAHASSEE, FL 32308 PHONE: 850-553-3500
WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER

PROJECT NUMBER 144124059			
DATE 01/17/2025			
1" = 1'-0"			
DESIGNED BY	JJF	PCM	JJF
DRAWN BY	PCM	JJF	
CHECKED BY	JJF		

ABBREVIATIONS & LEGENDS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
S002

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DESIGN CRITERIA

1. GOVERNING CODE FOR THIS PROJECT IS THE 2023 FLORIDA BUILDING CODE, BUILDING, EIGHTH EDITION. THIS CODE PRESCRIBES WHICH EDITION OF EACH REFERENCED STANDARD APPLIES TO THIS PROJECT.

2. DESIGN SUPERIMPOSED LOADS:

OCCUPANCY	LIVE LOAD	DEAD LOAD
ROOF	20 PSF	20 PSF

3. DESIGN WIND LOADS:

GOVERNING CODE	ASCE 7-22
BASIC WIND SPEED	Vult = 120 MPH/Vasd = 93 MPH
RISK CATEGORY	II
BUILDING ENCLOSURE	PARTIALLY ENCLOSED; OPEN (CANOPY)
DIRECTIONALITY FACTOR	Kd = 0.85
EXPOSURE	C
MEAN ROOF HEIGHT	20 FEET

4. DESIGN FLOOD LOADS:

GOVERNING CODE	ASCE 24-14
FLOOD DESIGN CLASS	2
FLOOD ZONE	X
DESIGN FLOOD ELEVATION	X
LOWEST FLOOR ELEVATION	+73.5' NGVD

5. DESIGN FLOOD LOADS:

RAIN	26 PSF
RAIN INTENSITY	5 IN./HR.

ASD WIND LOAD PRESSURES FOR ROOF (CLEAR)

ZONE	AREA			
	<16 sf	16 sf to 64 sf	65 sf +	Roofing
1	-14.8	-14.8	-14.8	-14.8
2	-23.7	-22.9	-22.9	-23.7
3	-44.5	-44.5	-44.5	-44.5

Notes:

1. ASD wind pressure values for roof are based on WLS4 wind calculations.

2. Per ASCE 7-22, ASD wind pressure = 0.6 x (WLS4 wind pressure).

3. Roofing pressures are based on A<10 sf.

4. (-) = Negative Pressure acting away from surface.

ASD WIND LOAD PRESSURES FOR ROOF

ZONE	AREA					
	<19 sf	20 sf to 49 sf	50 sf to 79 sf	80 sf to 100 sf	101 sf +	Roofing
1	-37.3	-35.3	-32.6	-31.2	-30.5	-28.2
2	-47.3	-44.6	-41.2	-39.4	-38.5	-38.2
3	-62.4	-56.9	-50.0	-46.4	-44.6	-53.1

ASD WIND LOAD PRESSURES FOR WALLS

AREA	ZONE 4		ZONE 5	
Window	+24.1	-25.6	+24.1	-30.1
Door	+23.3	-24.8	+23.3	-28.4
0 sf to 19 sf	+24.1	-25.6	+24.1	-30.1
20 sf to 29 sf	+23.3	-24.8	+23.3	-28.4
30 sf to 49 sf	+22.8	-24.3	+22.8	-27.5
50 sf to 99 sf	+22.2	-23.7	+22.2	-26.3
100 sf to 199 sf	+21.4	-22.9	+21.4	-24.8
200 sf +	+20.6	-22.1	+20.6	-23.2
Parapet	+53.3		+68.2	

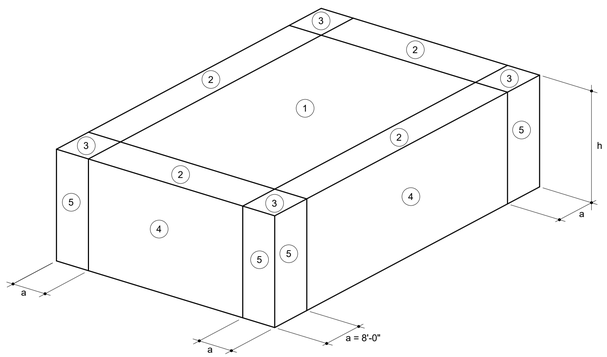
Notes:

1. ASD wind pressure values for roof and walls are based on WLS4 wind calculations.

2. Per ASCE 7-22, ASD wind pressure = 0.6 x (WLS4 wind pressure).

3. Roofing pressures are based on A=10 sf without internal pressure.

4. (+) = Positive Pressure acting towards surface; (-) = Negative Pressure acting away from surface.



1 S003 COMPONENTS AND CLADDING WIND LOAD DIAGRAM

SCALE: NTS

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER

PROJECT NUMBER	144124059
DATE	01/17/2025
	As indicated
DESIGNED BY	JJF
DRAWN BY	PCM
CHECKED BY	JJF

STRUCTURAL LOADING

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
S003

LEGEND:

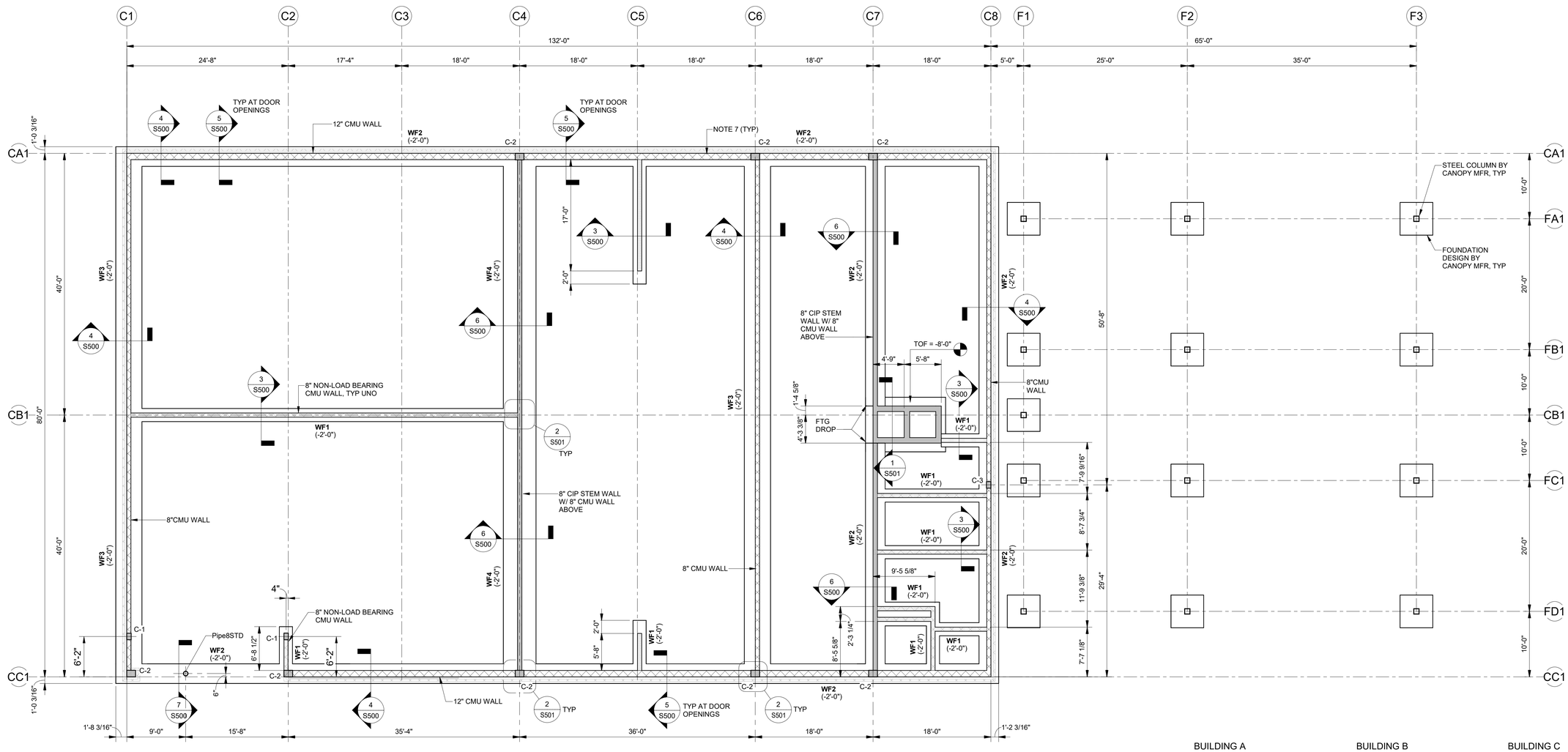
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- NON-LOAD BEARING WALL
- LOAD BEARING WALL
- VENEER

NOTES:

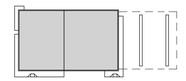
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2. REFER TO UNDERGROUND PLUMBING, MECHANICAL, FIRE PROTECTION, ELECTRICAL, AND CIVIL PLANS FOR LOCATIONS AND SIZES OF OPENINGS THROUGH CIP CONCRETE, AS WELL AS ALL NECESSARY EMBEDDED ITEMS.
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4. ALL FOUNDATION WORK RELATING TO THE INSTALLATION OF REBAR SHALL BE OBSERVED AND APPROVED BY THE ENGINEER OR APPROVED TESTING AGENCY.
5. WHERE SHOWN, BUT NOT SPECIFICALLY NOTED, PROVIDE STANDARD ACI 90-DEGREE OR 180-DEGREE HOOKS, AS APPLICABLE, TO REBAR.
6. PROVIDE CLASS B LAP SPLICES FOR ALL REBAR SPLICES RELATING TO FOUNDATION WORK UNLESS NOTED OTHERWISE.
7. FILL ALL CMU BELOW GRADE WITH GROUT.
8. ALL INTERIOR AND EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 2'-0" BELOW FINISHED GRADE OR FINISHED FLOOR ELEVATION.
9. TOP OF FOOTING ELEVATIONS ARE PROVIDED RELATIVE TO FINISHED FLOOR ELEVATION. REFER TO SLAB-ON-GRADE PLANS FOR THE ABSOLUTE FINISHED FLOOR ELEVATION.
10. ALL MASONRY WALLS SHALL BE REINFORCED AS FOLLOWS:

    8" MASONRY WALL - #5 AT 16" VERTICAL REINFORCEMENT HOT DIP GALVANIZED W1.7 LADDER TYPE HORIZ REINFORCEMENT AT 16"

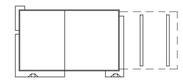
    12" MASONRY WALL - #5 AT 24" VERTICAL REINFORCEMENT HOT DIP GALVINIZED W1.7 LADDER TYPE REINFORCEMENT AT 16".
11. REFER TO 2/S5.00 FOR FOUNDATION SCHEDULE.



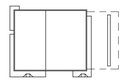
BUILDING A



BUILDING B



BUILDING C



SITE KEY



1 S100A FOUNDATION PLAN - BUILDING A

SCALE: 1/8" = 1'-0"

0 8 16

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER

PROJECT NUMBER	144124059
DATE	01/17/2025
	As indicated
DESIGNED BY	JJF
DRAWN BY	PCM
CHECKED BY	JJF

FOUNDATION PLAN - BUILDING A

QUICK - TURNAROUND FACILITY

PREPARED FOR TALLAHASSEE INTERNATIONAL AIRPORT

CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER

S100A

LEGEND:

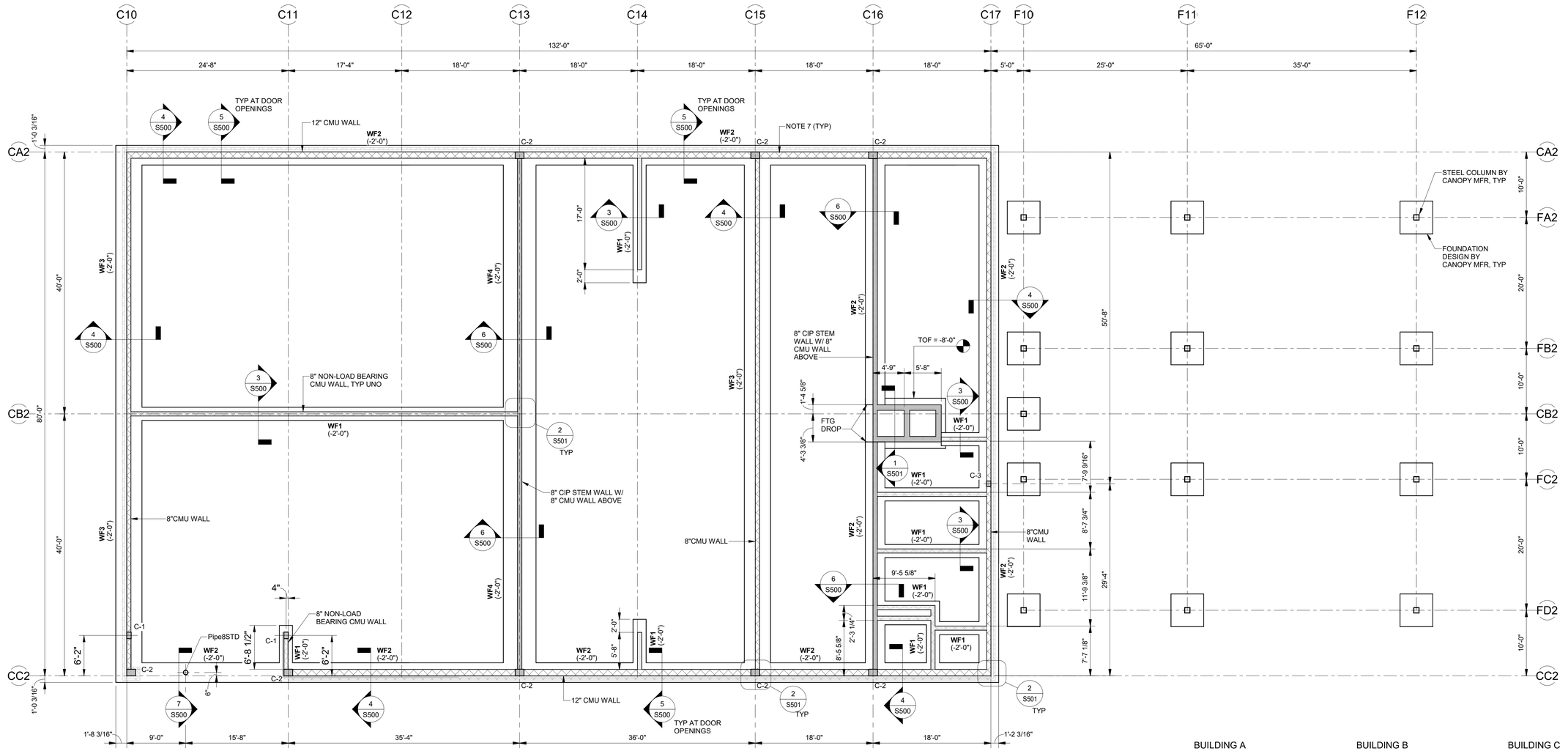
- CONC WALL
- NON-LOAD BEARING WALL
- LOAD BEARING WALL
- VENEER

NOTES:

1. COMPLY WITH SPECIFICATIONS AND STRUCTURAL GENERAL NOTES. UNLESS OTHERWISE SPECIFIED, THE FOLLOWING NOTES RELATING TO THE FOUNDATION PLANS WILL GOVERN.
2. REFER TO UNDERGROUND PLUMBING, MECHANICAL, FIRE PROTECTION, ELECTRICAL, AND CIVIL PLANS FOR LOCATIONS AND SIZES OF OPENINGS THROUGH CIP CONCRETE, AS WELL AS ALL NECESSARY EMBEDDED ITEMS.
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11. REFER TO 2/S5.00 FOR FOUNDATION SCHEDULE.



BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 S100B — FOUNDATION PLAN - BUILDING B

SCALE: 1/8" = 1'-0"

0 8 16

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ENG/ARCH NAME

FL LICENSE NUMBER

PROJECT NUMBER	144124059
DATE	01/17/2025
	As indicated
DESIGNED BY	JJF
DRAWN BY	PCM
CHECKED BY	JJF

FOUNDATION PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT

CITY OF TALLAHASSEE — FLORIDA

SHEET NUMBER
S100B

LEGEND:

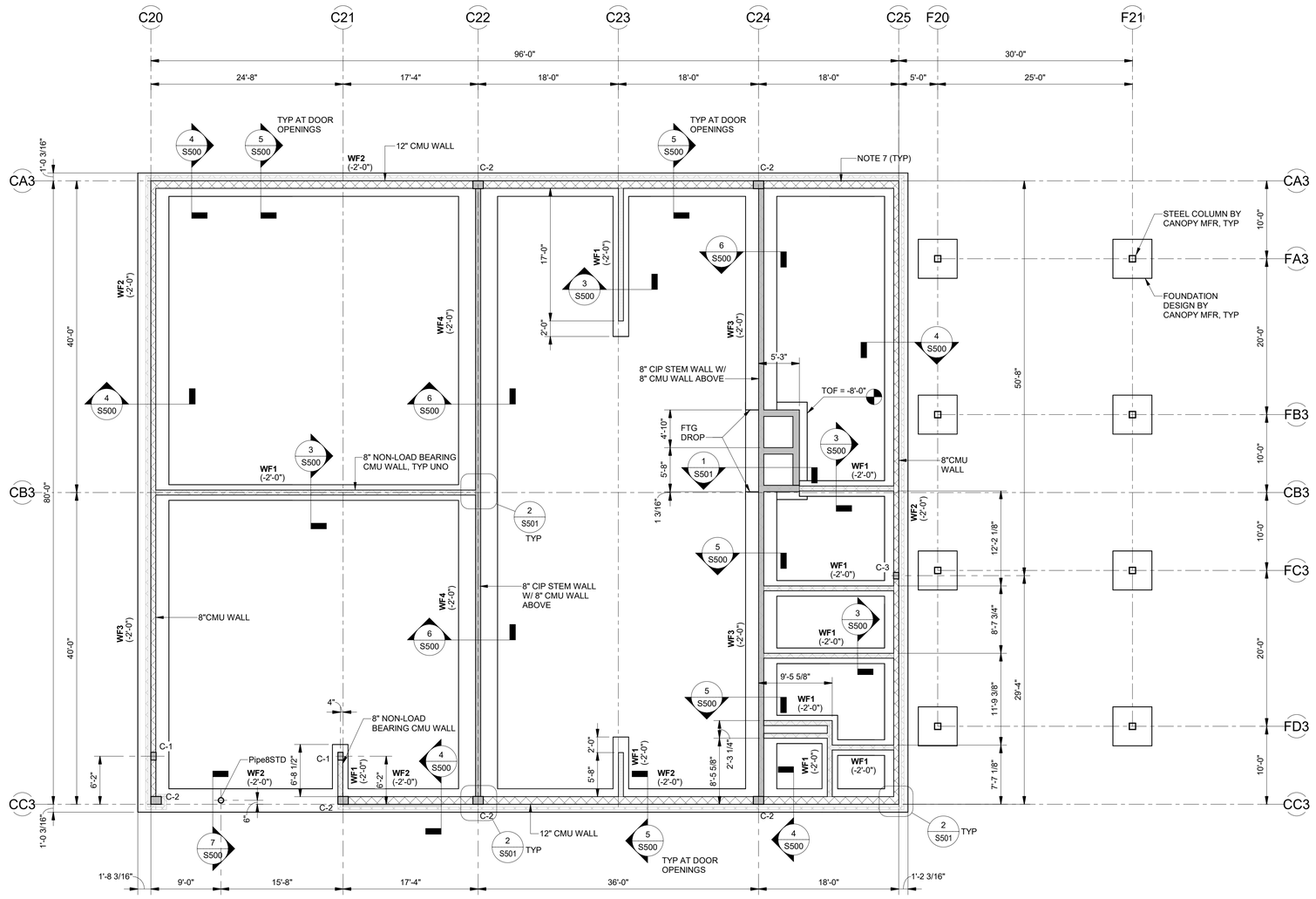
- CONC WALL
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- LOAD BEARING WALL
- VENEER

NOTES:

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11. REFER TO 2/S5.00 FOR FOUNDATION SCHEDULE.



1 S100C FOUNDATION PLAN - BUILDING C

SCALE: 1/8" = 1'-0"

0 8 16

BUILDING A | BUILDING B | BUILDING C

SITE KEY

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER

PROJECT NUMBER	144124059
DATE	01/17/2025
	As indicated
DESIGNED BY	JJF
DRAWN BY	PCM
CHECKED BY	JJF

FOUNDATION PLAN - BUILDING C

QUICK - TURNAROUND FACILITY

PREPARED FOR TALLAHASSEE INTERNATIONAL AIRPORT

CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER

S100C

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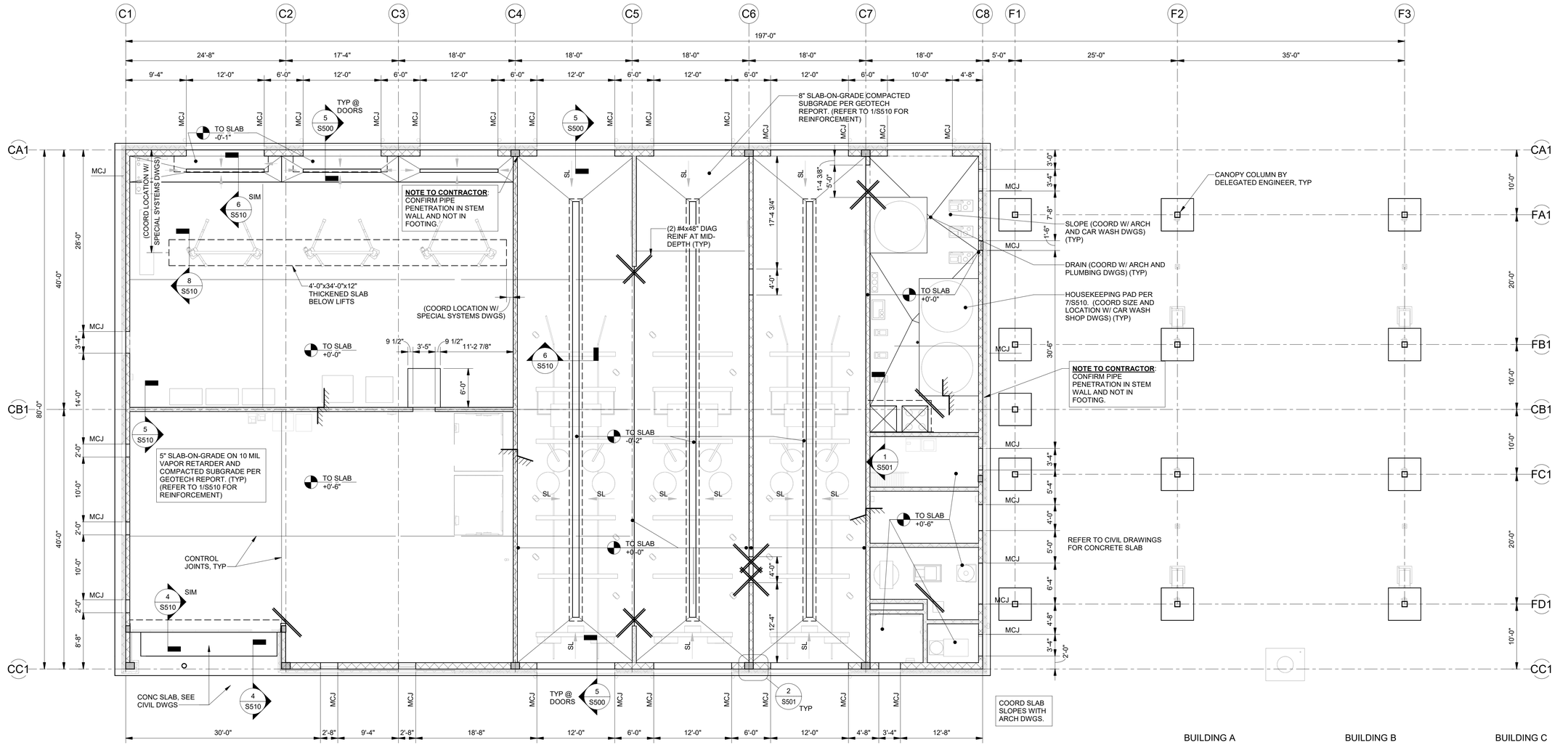
- CONC WALL
- NON-LOAD BEARING WALL
- LOAD BEARING WALL
- VENEER

NOTES:

1. COMPLY WITH SPECIFICATIONS AND GENERAL NOTES. THE FOLLOWING NOTES RELATING TO THE SLAB-ON-GRADE PLANS SHALL GOVERN UNLESS NOTED OTHERWISE.
2. PRIOR TO SLAB-ON-GRADE CONSTRUCTION, THE SUBGRADE SHALL BE PREPARED AND EVALUATED IN ACCORDANCE WITH THE RECOMMENDATIONS AND COMPACTION LIMITS PROVIDED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC., DATED SEPTEMBER 2020. GEOTECHNICAL TESTING AGENT SHALL CONFIRM SUBGRADE MODULUS CAN BE ACHIEVED BASED ON FIELD-TESTED CONDITIONS.
3. REFER TO ARCH, MEP, FIRE PROTECTION, PROCESS, AND / OR CIVIL PLANS FOR LOCATIONS AND SIZES OF OPENINGS THROUGH CIP CONCRETE, AS WELL AS ALL NECESSARY EMBEDDED ITEMS.
4. REFER TO TYP SLAB-ON-GRADE DETAIL FOR REINFORCING SIZE, LOCATION, VAPOR BARRIER, AND OTHER INFORMATION.
5. RELATIVE SLAB-ON-GRADE FINISHED FLOOR ELEVATION SHALL BE 0'-0". ABSOLUTE SLAB-ON-GRADE FINISHED FLOOR ELEVATION SHALL BE +74.0' NGVD.
6. SLAB-ON-GRADE SHALL BE PLACED WITH CONSTRUCTION, ISOLATION, AND CONTROL JOINTS AS SHOWN. ANY DEVIATION SHALL BE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER.
   A. PROVIDE ISOLATION JOINTS AT COLUMNS AND LATERAL BRACES, WHERE APPLICABLE.
7. REFER TO SPECIFICATIONS FOR FLOOR FLATNESS AND LEVELNESS REQUIREMENTS.
8. PROVIDE TROWEL FINISH IN ALL INTERIOR AREAS AND BROOM FINISH IN ALL EXTERIOR AREAS, UNLESS SPECIFIC FLOORING OR COATINGREQUIRES DIFFERENT CONCRETE FINISH. REFER TO ARCHITECTURAL PLANS FOR FLOOR FINISHINGS. ARCHITECTURAL FLOOR FINISH CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING MOISTURE CONTENT WITHIN SLAB PRIOR TO FLOORING OR COATING PLACEMENT.
9. PROVIDE RAISED CONCRETE PADS BENEATH EQUIPMENT AS NOTED ON EQUIPMENT PLANS BY OTHERS. SLAB SHALL HAVE ROUGHENED FINISH AND BONDING AGENT BELOW PAD PER TYPICAL PAD DETAIL. COORDINATE EXTENTS OF RAISED PADS WITH ARCH, MEP, FIRE PROTECTION, AND PROCESS DRAWINGS.
10. REFER TO ARCH, MEP, FIRE PROTECTION, PROCESS, AND / OR CIVIL PLANS FOR LOCATION OF FLOOR DRAINS. COORDINATE AREAS OF SLOPING FLOORS TO DRAINS.
11. FOR FOUNDATIONS THAT ARE FLUSH WITH FINISHED FLOOR ELEVATION OR THICKENED SLABS, THE VAPOR BARRIER SHALL BE LAPPED ONTO SLAB VAPOR BARRIER AND PROVIDED BENEATH THE FOUNDATION OR THICKENED SLAB.
12. ALL MASONRY WALLS SHALL BE REINFORCED AS FOLLOWS:

    8" MASONRY WALL - #5 AT 16" VERTICAL REINFORCEMENT HOT DIP GALVANIZED W1.7 LADDER TYPE HORIZ REINFORCEMENT AT 16"

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BUILDING A BUILDING B BUILDING C

SITE KEY

1 S101A — SLAB-ON-GRADE PLAN - BUILDING A

SCALE: 1/8" = 1'-0" (0, 8, 16)

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER

PROJECT NUMBER	144124059
DATE	01/17/2025
	As Indicated
DESIGNED BY	JJF
DRAWN BY	PCM
CHECKED BY	JJF

SLAB-ON-GRADE PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
S101A

LEGEND:

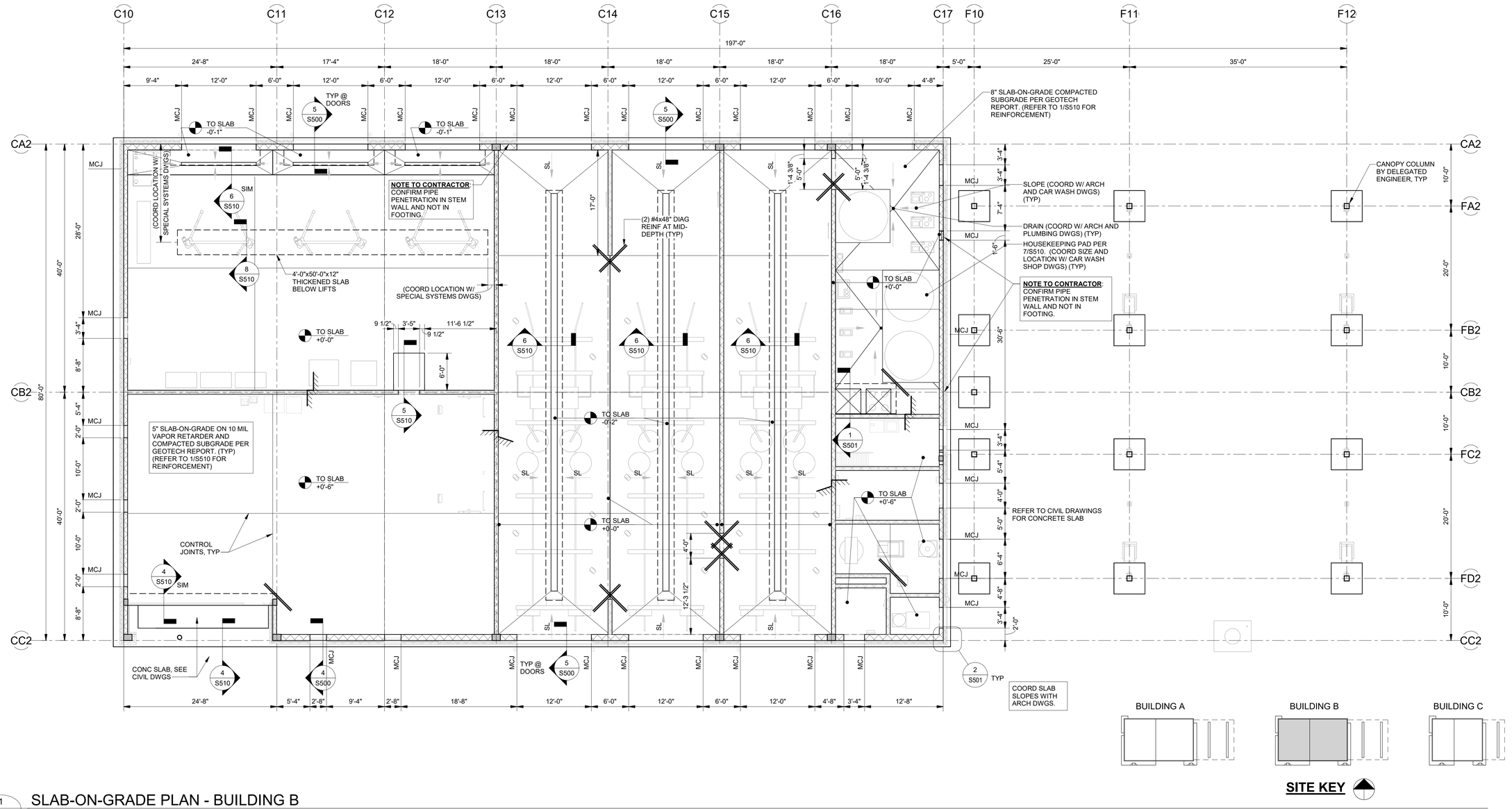
- CONC WALL
- NON-LOAD BEARING WALL
- LOAD BEARING WALL
- VENEER

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   A. PROVIDE ISOLATION JOINTS AT COLUMNS AND LATERAL BRACES, WHERE APPLICABLE.
7. REFER TO SPECIFICATIONS FOR FLOOR FLATNESS AND LEVELNESS REQUIREMENTS.
8. PROVIDE TROWEL FINISH IN ALL INTERIOR AREAS AND BROOM FINISH IN ALL EXTERIOR AREAS, UNLESS SPECIFIC FLOORING OR COATINGREQUIRES DIFFERENT CONCRETE FINISH. REFER TO ARCHITECTURAL PLANS FOR FLOOR FINISHINGS. ARCHITECTURAL FLOOR FINISH CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING MOISTURE CONTENT WITHIN SLAB PRIOR TO FLOORING OR COATING PLACEMENT.
9. PROVIDE RAISED CONCRETE PADS BENEATH EQUIPMENT AS NOTED ON EQUIPMENT PLANS BY OTHERS. SLAB SHALL HAVE ROUGHENED FINISH AND BONDING AGENT BELOW PAD PER TYPICAL PAD DETAIL. COORDINATE EXTENTS OF RAISED PADS WITH ARCH, MEP, FIRE PROTECTION, AND PROCESS DRAWINGS.
10. REFER TO ARCH, MEP, FIRE PROTECTION, PROCESS, AND / OR CIVIL PLANS FOR LOCATION OF FLOOR DRAINS. COORDINATE AREAS OF SLOPING FLOORS TO DRAINS.
11. FOR FOUNDATIONS THAT ARE FLUSH WITH FINISHED FLOOR ELEVATION OR THICKENED SLABS, THE VAPOR BARRIER SHALL BE LAPPED ONTO SLAB VAPOR BARRIER AND PROVIDED BENEATH THE FOUNDATION OR THICKENED SLAB.
12. ALL MASONRY WALLS SHALL BE REINFORCED AS FOLLOWS:

    8" MASONRY WALL - #5 AT 16" VERTICAL REINFORCEMENT HOT DIP GALVANIZED W1.7 LADDER TYPE HORIZ REINFORCEMENT AT 16"

    12" MASONRY WALL - #5 AT 24" VERTICAL REINFORCEMENT HOT DIP GALVINIZED W1.7 LADDER TYPE REINFORCEMENT AT 16"



1 S101B — SLAB-ON-GRADE PLAN - BUILDING B

SCALE: 1/8" = 1'-0" (0, 8, 16)

BUILDING A | BUILDING B | BUILDING C

SITE KEY

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LICENSED PROFESSIONAL

ENG/ARCH NAME

FL LICENSE NUMBER

PROJECT NUMBER	144124059
DATE	01/17/2025
	As indicated
DESIGNED BY	JJF
DRAWN BY	PCM
CHECKED BY	JJF

SLAB-ON-GRADE PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
S101B

LEGEND:

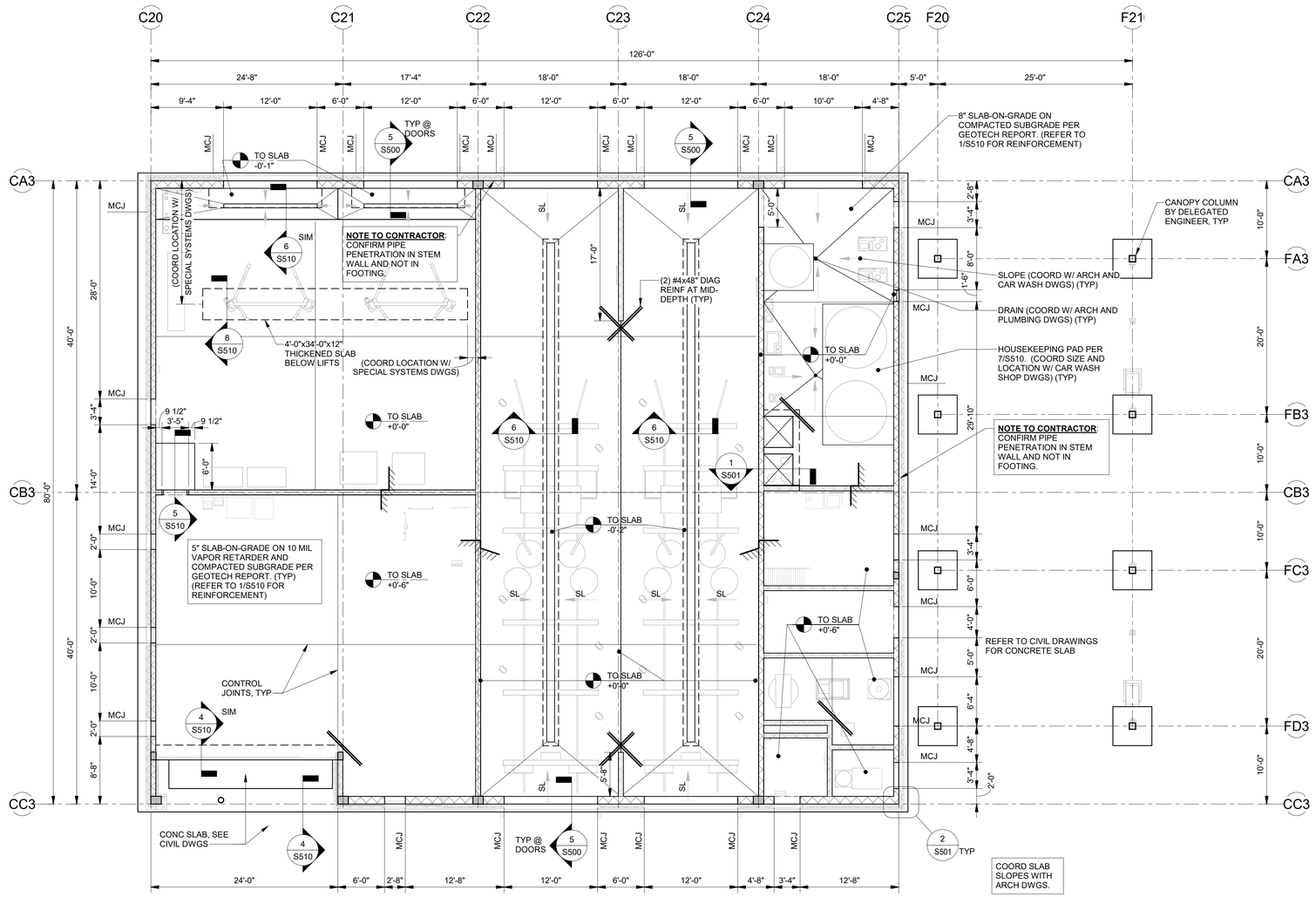
- CONC WALL
- NON-LOAD BEARING WALL
- LOAD BEARING WALL
- VENEER

NOTES:

1. COMPLY WITH SPECIFICATIONS AND GENERAL NOTES. THE FOLLOWING NOTES RELATING TO THE SLAB-ON-GRADE PLANS SHALL GOVERN UNLESS NOTED OTHERWISE.
2. PRIOR TO SLAB-ON-GRADE CONSTRUCTION, THE SUBGRADE SHALL BE PREPARED AND EVALUATED IN ACCORDANCE WITH THE RECOMMENDATIONS AND COMPACTION LIMITS PROVIDED IN THE GEOTECHNICAL INVESTIGATION REPORT PREPARED BY ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC., DATED SEPTEMBER 2020. GEOTECHNICAL TESTING AGENT SHALL CONFIRM SUBGRADE MODULUS CAN BE ACHIEVED BASED ON FIELD-TESTED CONDITIONS.
3. REFER TO ARCH, MEP, FIRE PROTECTION, PROCESS, AND / OR CIVIL PLANS FOR LOCATIONS AND SIZES OF OPENINGS THROUGH CIP CONCRETE, AS WELL AS ALL NECESSARY EMBEDDED ITEMS.
4. REFER TO TYP SLAB-ON-GRADE DETAIL FOR REINFORCING SIZE, LOCATION, VAPOR BARRIER, AND OTHER INFORMATION.
5. RELATIVE SLAB-ON-GRADE FINISHED FLOOR ELEVATION SHALL BE 0'-0". ABSOLUTE SLAB-ON-GRADE FINISHED FLOOR ELEVATION SHALL BE +73.5' NGVD.
6. SLAB-ON-GRADE SHALL BE PLACED WITH CONSTRUCTION, ISOLATION, AND CONTROL JOINTS AS SHOWN. ANY DEVIATION SHALL BE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER.
   A. PROVIDE ISOLATION JOINTS AT COLUMNS AND LATERAL BRACES, WHERE APPLICABLE.
7. REFER TO SPECIFICATIONS FOR FLOOR FLATNESS AND LEVELNESS REQUIREMENTS.
8. PROVIDE TROWEL FINISH IN ALL INTERIOR AREAS AND BROOM FINISH IN ALL EXTERIOR AREAS, UNLESS SPECIFIC FLOORING OR COATINGREQUIRES DIFFERENT CONCRETE FINISH. REFER TO ARCHITECTURAL PLANS FOR FLOOR FINISHINGS. ARCHITECTURAL FLOOR FINISH CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING MOISTURE CONTENT WITHIN SLAB PRIOR TO FLOORING OR COATING PLACEMENT.
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    12" MASONRY WALL - #5 AT 24" VERTICAL REINFORCEMENT HOT DIP GALVINIZED W1.7 LADDER TYPE REINFORCEMENT AT 16"



1 S101C — SLAB-ON-GRADE PLAN - BUILDING C

SCALE: 1/8" = 1'-0"

0 8 16

BUILDING A | BUILDING B | BUILDING C

SITE KEY

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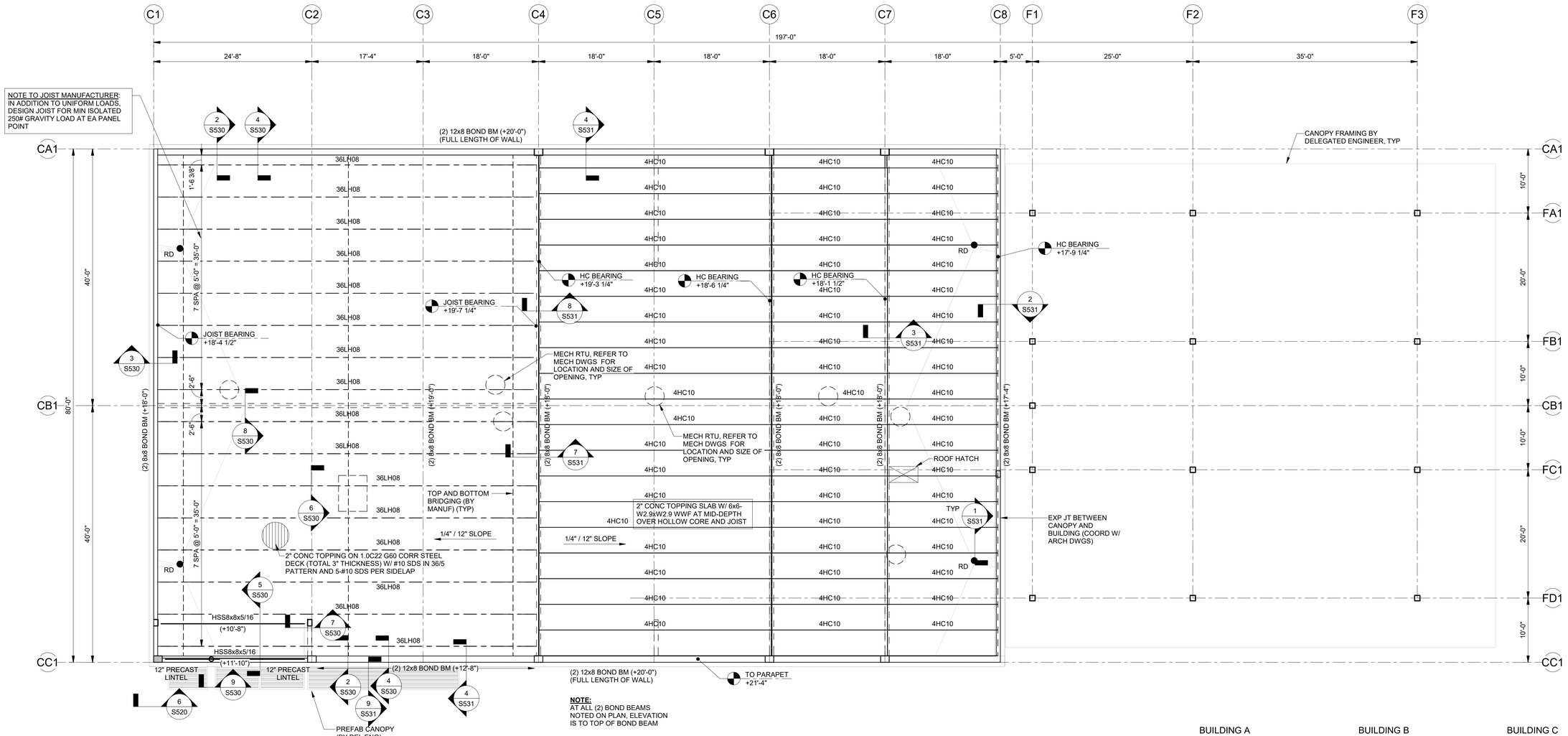
SLAB-ON-GRADE PLAN - BUILDING C

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
S101C

NOTES:

1. SEE PLAN FOR DECK BEARING ELEVATION RELATIVE TO THE FIRST FLOOR ELEVATION OF 0'-0".
   A. PROVIDE ISOLATION JOINTS AT COLUMNS AND LATERAL BRACES, WHERE APPLICABLE.
2. ROOF JOIST MANUFACTURER SHALL DESIGN AND PROVIDE ALL REQUIRED BRIDGING, AS WELL AS BOTTOM CHORD EXTENSIONS REQUIRED TO BRACE STRUCTURAL STEEL BEAMS. BRIDGING REQUIREMENTS ARE NOT FULLY INDICATED ON PLAN; SHALL BE PROVIDED PER SJI.
   A. JOIST SHOP DRAWINGS SHALL INDICATE THE EXTENT OF BRIDGING REQUIRED TO BRACE STRUCTURAL STEEL BEAMS, AS WELL AS THE EXTENT OF BRIDGING REQUIRED TO BE ERECTED PRIOR TO DECK AND PERSONNEL BEING ON JOISTS.
3. ROOF SHALL RECEIVE GALVANIZED METAL ROOF DECK, UNO WHERE FRAMED WITH OPEN WEB STEEL BAR JOISTS.
4. REFER TO LOADING INFORMATION SHEETS FOR DEFINITION AND DIMENSION OF ROOF ZONES.
5. REFER TO ARCH AND MEP DRAWINGS FOR PENETRATIONS THROUGH ROOF. REFER TO TYPICAL ROOF OPENING FRAMING DETAILS FOR FRAME TO BE PROVIDED.
6. ALL PIPING, DUCT, MISC CONSTRUCTION THAT IS SUPPORTED FROM STEEL JOISTS SHALL COMPLY WITH THE REQUIREMENTS OF THE TYPICAL DETAIL PROVIDED HEREIN. THE CONTRACTOR PROVIDING THE HANGING LOAD (E.G. PIPING, EQUIPMENT, ETC.) SHALL BE RESPONSIBLE FOR ALL MISC REINFORCING STEEL REQUIRED.
7. ROOFTOP EQUIPMENT (E.G. MECHANICAL UNITS, ETC.) SHALL BE PLACED ON ROOF CURBS PROVIDED BY THE EQUIPMENT CONTRACTOR WITH ADEQUATE STIFFNESS TO SPAN BETWEEN ROOF FRAMING MEMBERS BELOW. SUBMIT ROOF CURB SHOP DRAWINGS TO ENGINEER FOR REVIEW.
8. \ DENOTES SPAN OF HOLLOW CORE ROOF PANELS.
9. PRE-CAST ENGINEER SHALL DESIGN HOLLOW CORE SLABS FOR SPANS AND LOADS INDICATED.
10. SEE MASONRY LINTEL SCHEDULE (3/S520) FOR MASONRY LINTELS UNO.



NOTE:
AT ALL (2) BOND BEAMS NOTED ON PLAN, ELEVATION IS TO TOP OF BOND BEAM

BUILDING A BUILDING B BUILDING C

SITE KEY

1 / S102A ROOF FRAMING PLAN - BUILDING A

SCALE: 1/8" = 1'-0" (0, 8, 16)

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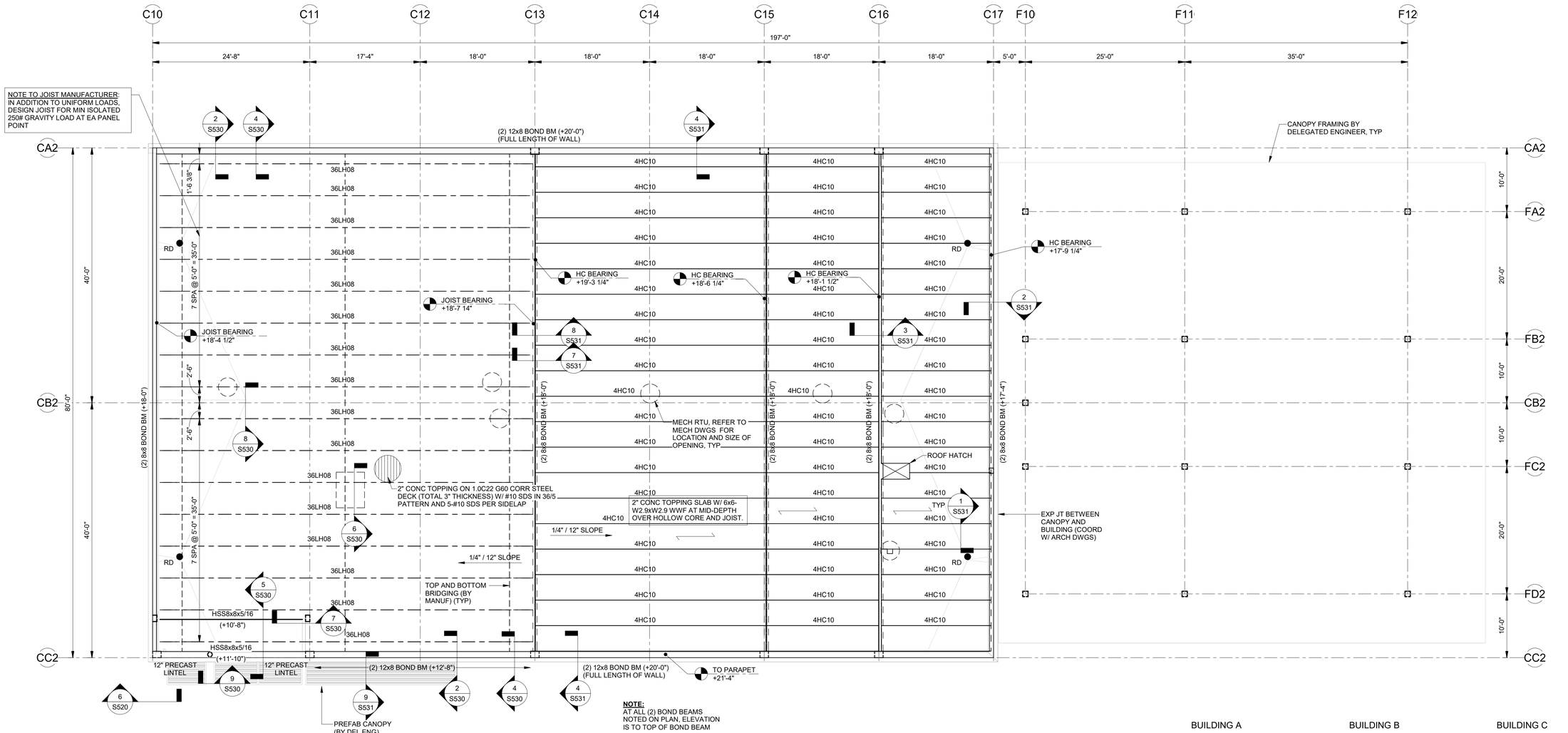
ROOF FRAMING PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
S102A

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NOTE:
AT ALL (2) BOND BEAMS NOTED ON PLAN, ELEVATION IS TO TOP OF BOND BEAM

BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 / S102B ROOF FRAMING PLAN - BUILDING B
SCALE: 1/8" = 1'-0"
0 8 16

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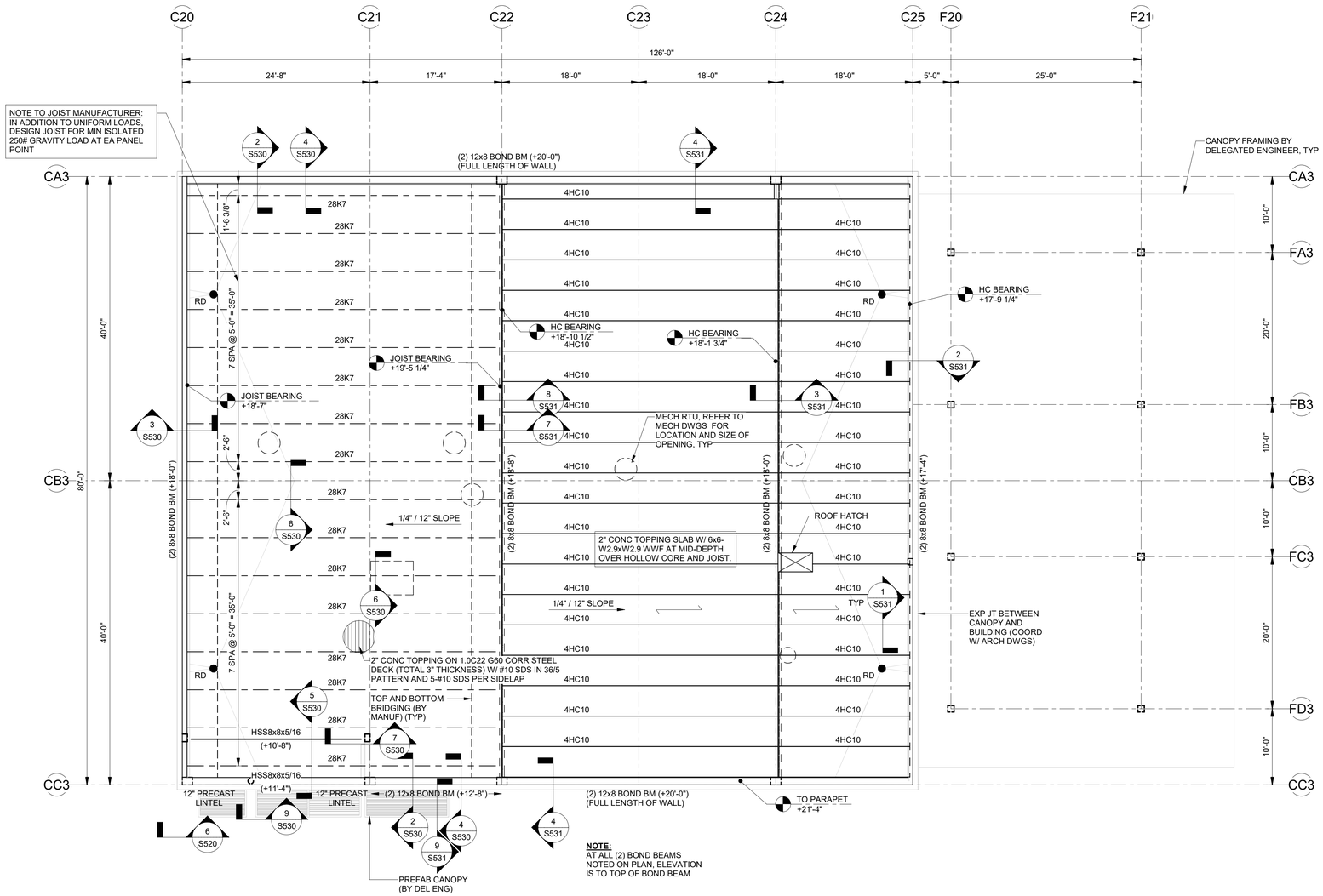
ROOF FRAMING PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE FLORIDA

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S102B

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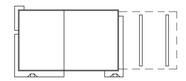


1 S102C — ROOF FRAMING PLAN - BUILDING C

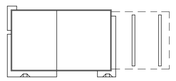
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0 8 16

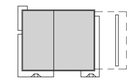
BUILDING A



BUILDING B



BUILDING C



SITE KEY



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ROOF FRAMING PLAN - BUILDING C

QUICK - TURNAROUND FACILITY

PREPARED FOR

TALLAHASSEE INTERNATIONAL AIRPORT

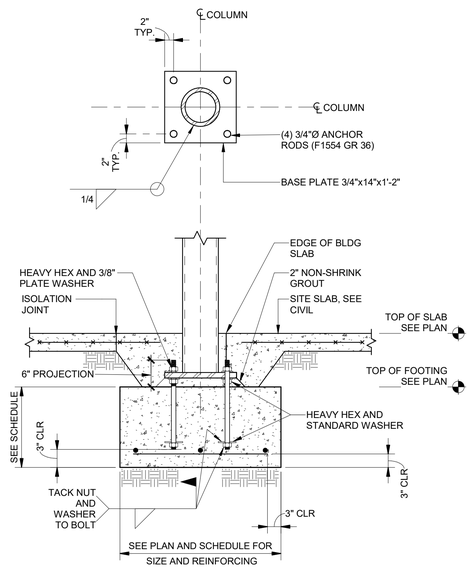
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SHEET NUMBER

S102C

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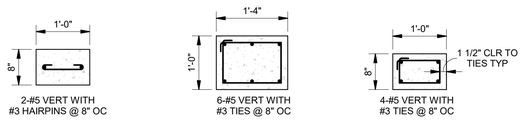
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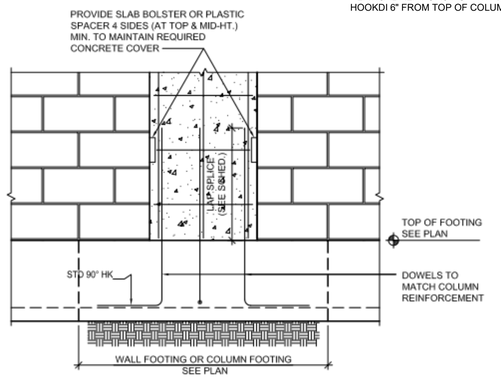
7 S500

STEEL COL TO FOOTING

SCALE: 3/4" = 1'-0"



NOTE:
EXTEND COLUMN TO ROOF ELEVATION AND TERMINATE VERTICAL REINFORCING WITH STD HOOKDI 6" FROM TOP OF COLUMN.



8 S500

TYPICAL TIE COLUMN DETAIL

SCALE: 3/4" = 1'-0"

4 S500

TYPICAL CMU TO WALL FOOTING - EXTERIOR

SCALE: NTS

5 S500

FOUNDATION AND DOOR/STOREFRONT OPENINGS

SCALE: NTS

6 S500

CIP STEM WALL ALONG EXTERIOR CAR WASH BAY WALLS

SCALE: NTS

1 S500

WALL PENETRATION DETAIL

SCALE: NTS

WALL FOOTING SCHEDULE			
MARK	WIDTH	THICKNESS	LONGITUDINAL REINF
WF1	2'-0"	1'-0"	(3) #5
WF2	3'-0"	1'-0"	(3) #5
WF3	4'-0"	1'-0"	(4) #5
WF4	5'-0"	1'-0"	(5) #5

2 S500

WALL FOOTING SCHEDULE

3 S500

TYPICAL CMU TO WALL FOOTING - INTERIOR

SCALE: NTS

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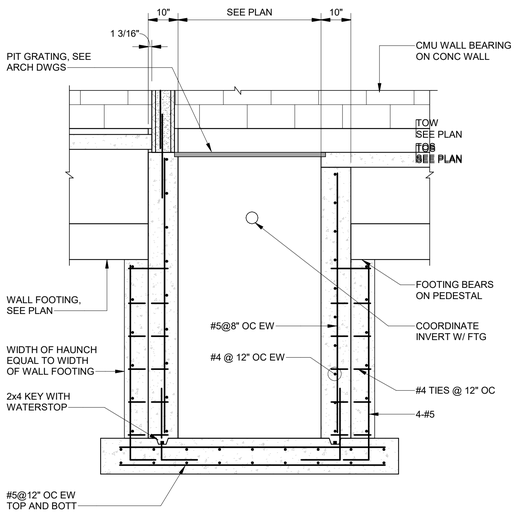
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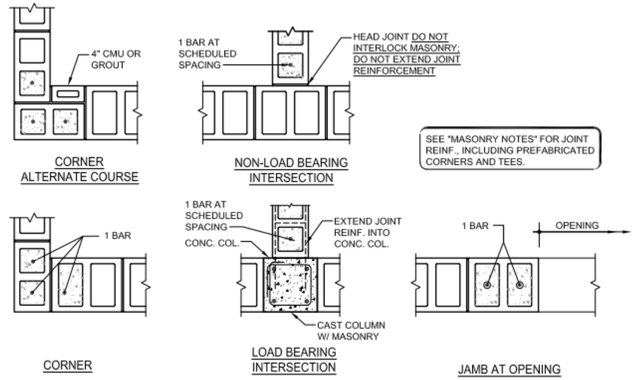
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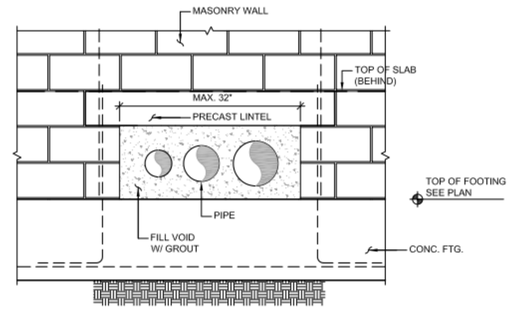
1 S501 SECTION THRU SUMP PIT

SCALE: NTS



2 S501 TYP MASONRY CORNER, INTERSECTION, OPENING

SCALE: 3/4" = 1'-0"



3 S501 BELOW GRADE PENETRATION

SCALE: 3/4" = 1'-0"

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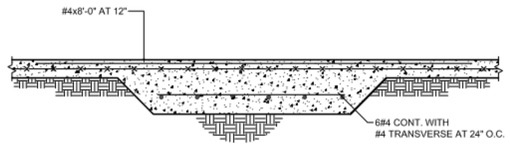
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CHECKED BY	JJF

FOUNDATION DETAILS

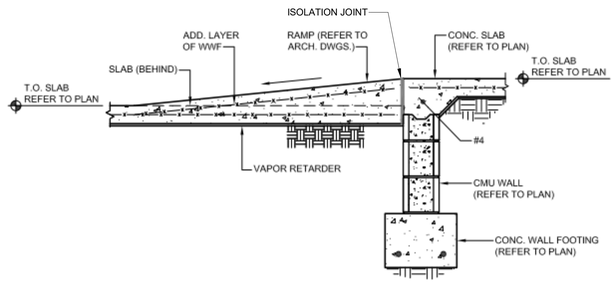
QUICK - TURNAROUND FACILITY
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FLORIDA

SHEET NUMBER
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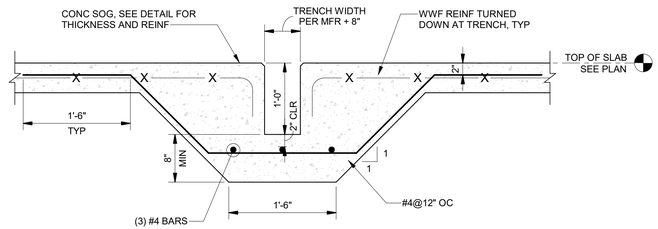
8 S510 THICKENED SLAB

SCALE: 3/4" = 1'-0"



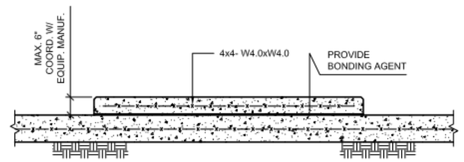
5 S510 RAMP SECTION

SCALE: NTS



6 S510 SOG-TYPICAL SLAB-ON-GRADE TRENCH DRAIN DETAIL

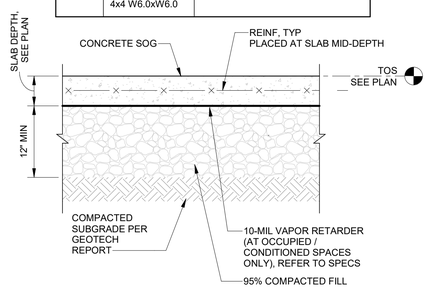
SCALE: NTS



7 S510 HOUSEKEEPING PADS ON GRADE

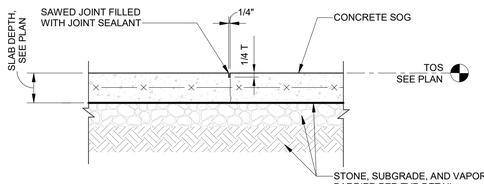
SCALE: 3/4" = 1'-0"

DEPTH	REINF	DESIGN SUBGRADE MODULUS
5"	6x6 W2.9xW2.9	150 PCI
8"	#4 @ 12" EW OR 4x4 W6.0xW6.0	150 PCI



1 S510 TYPICAL SLAB-ON-GRADE

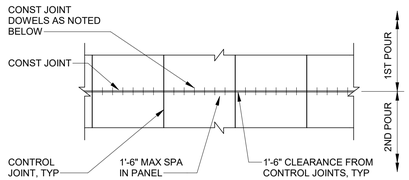
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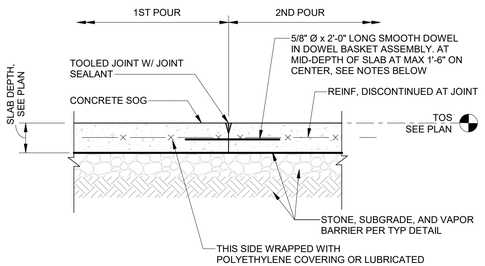
NOTES:
1. JOINT MUST BE SAWED IMMEDIATELY AFTER INITIAL SET, BEFORE CONCRETE BEGINS TO COOL, AS SOON AS CONCRETE SURFACE IS FIRM ENOUGH NOT TO BE DAMAGED BY THE BLADE, AND BEFORE RANDOM DRYING SHRINKAGE CRACKS CAN FORM.
2. JOINT MUST BE CUT A DEPTH EQUAL TO 1/4 OF SLAB DEPTH.

2 S510 TYPICAL CONTROL JOINT

SCALE: NTS



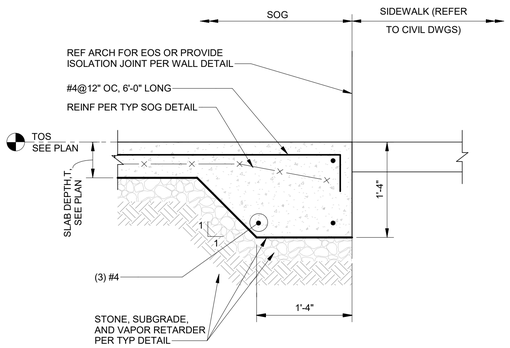
PLAN SECTION



NOTES:
1. PAINT FACE OF JOINT WITH BOND BREAKING COMPOUND PRIOR TO 2ND POUR.
2. DO NOT PLACE DOWELS WITHIN 1'-6" OF SLAB PANEL CORNERS TO ALLOW CONTROL JOINTS TO ACTIVATE. MAX SPACING OF 3'-0" ACROSS CONTROL JOINTS.

3 S510 TYPICAL CONSTRUCTION JOINT

SCALE: NTS



4 S510 TYPICAL SLAB-ON-GRADE EDGE

SCALE: NTS

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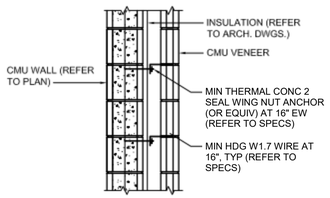
FL LICENSE NUMBER

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	JJF	PCM	JJF
DATE 01/17/2025			
As indicated			

SLAB-ON-GRADE DETAILS

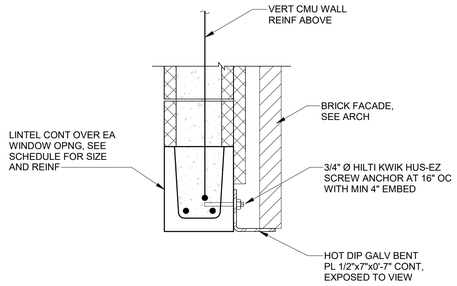
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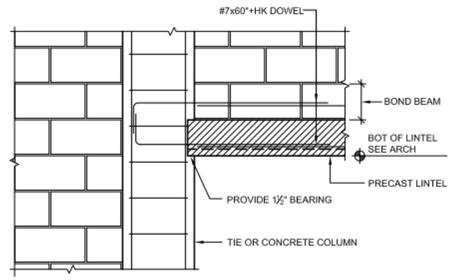
4 S520 TYPICAL VENEER CONN

SCALE: NTS



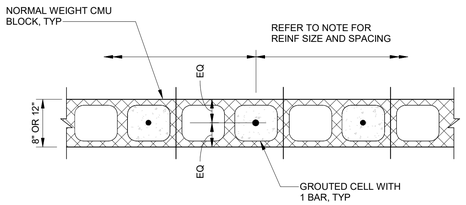
5 S520 CMU LINTEL BEAM DETAIL ABOVE WINDOWS / DOORS

SCALE: NTS



6 S520 LINTEL TO CIP COLUMN

SCALE: 3/4" = 1'-0"

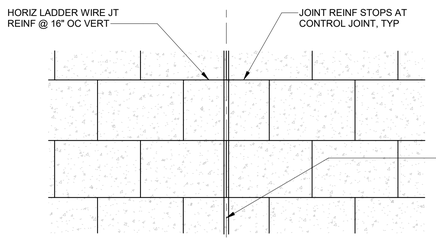


NOTES:

1. VERTICAL BARS ARE TO EXTEND A MINIMUM OF 6" INTO THE BOND BEAM AT THE TOP OF WALL. BOND BEAMS MUST BE REINFORCED WITH CONTINUOUS BARS ALONG BEAM PER TYPICAL DETAIL.
2. ALL CMU BELOW GRADE MUST BE FULLY GROUTED TO TOP OF SLAB.
3. PROVIDE AN OPEN BOTTOM BOND BEAM REINF WITH (2) #5 CONT BARS AT THE FOLLOWING LOCATIONS:
   1. AT THE TOP OF ALL WALL ELEVATIONS.
   2. AT ALL JOIST AND FRAMING BEARING ELEVATIONS.
   3. EQUALLY SPACED BETWEEN LATERAL SUPPORTS OR AT 10'-0" OC MAXIMUM VERTICALLY, IF THE DISTANCE BETWEEN LATERAL SUPPORTS EXCEEDS 10'-0".

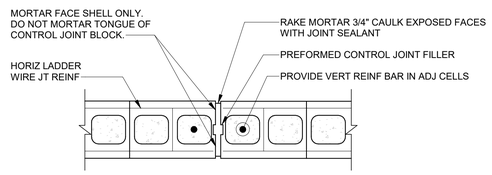
1 S520 TYPICAL CMU WALL REINF DETAIL

SCALE: NTS



NOTES:
1. CONTROL JOINTS MAY BE OFFSET A MAXIMUM DISTANCE OF 8". CROSS WIRES WITHIN THIS OFFSET MUST BE CUT.

ELEVATION

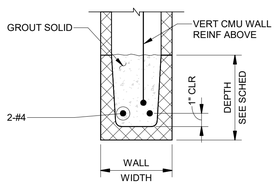


NOTES:
1. WIDE FLANGED PREFORMED CONTROL JOINT FILLER MAY BE USED IN LIEU OF DETAIL SHOWN.

PLAN

2 S520 CMU WALL CONTROL JOINT DETAIL

SCALE: 1" = 1'-0"



PRECAST LINTEL SCHEDULE (INTERIOR & EXTERIOR WALLS)			
CLEAR OPENING WIDTH, W	LINTEL DEPTH	TYPE	MIN BEARING
W ≤ 8'-0"	8"	8F8	8"
8'-0" < W ≤ 12'-0"	16"	12F16-2B	8"
12'-0" < W ≤ 16'-0"	24"	12F24-2B	8"

NOTES:
1. EXTEND REINFORCING TO END OF BEARING AT EACH SIDE OF OPENING.
2. LINTEL DESIGNATIONS ARE PER CAST-CRETE CATALOG. CONTRACTOR MAY SUBSTITUTE FOR AN EQUIVALENT PRODUCT.
3. LINTEL SPANS BEYOND THE MAXIMUM INDICATED IN THE SCHEDULE REQUIRES SPECIAL DESIGN.

3 S520 LINTEL SCHEDULE

SCALE: NTS

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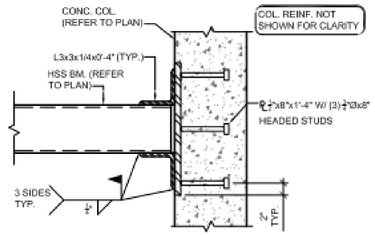
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DATE	01/17/2025
	As indicated
DESIGNED BY	JJF
DRAWN BY	PCM
CHECKED BY	JJF

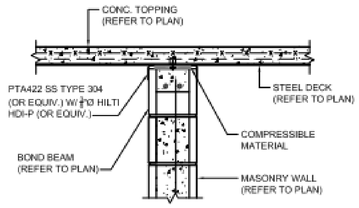
MASONRY DETAILS

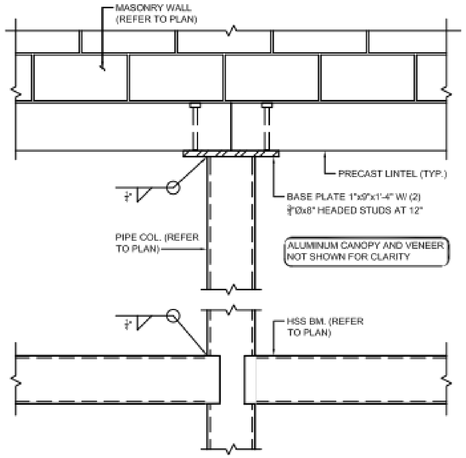
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7 S530 HSS BM TO CONC COL

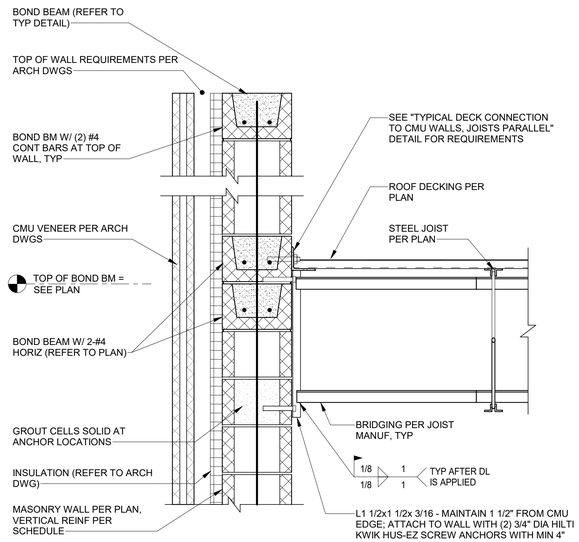
SCALE: 1" = 1'-0"

8 S530 NON-LOAD BEARING WALL TO STEEL DECK

SCALE: 1" = 1'-0"

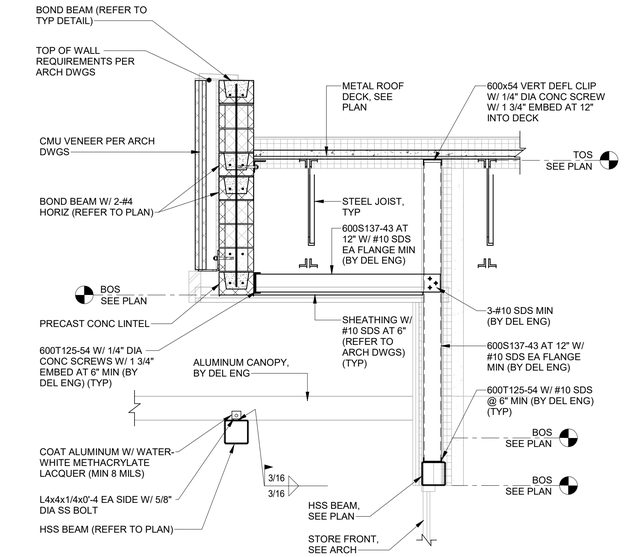
9 S530 LINTEL TO STEEL COL

SCALE: 1" = 1'-0"



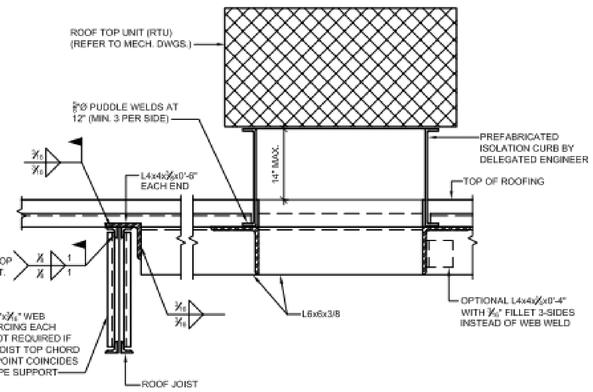
4 S530 HORIZONTAL BRIDGING TO CMU WALL

SCALE: NTS



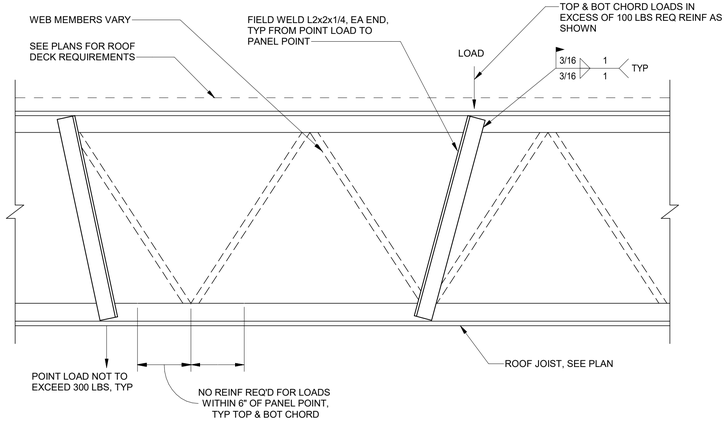
5 S530 SECTION THRU FRONT ENTRY

SCALE: 1/2" = 1'-0"



6 S530 CURB FOR RTU SUPPORT

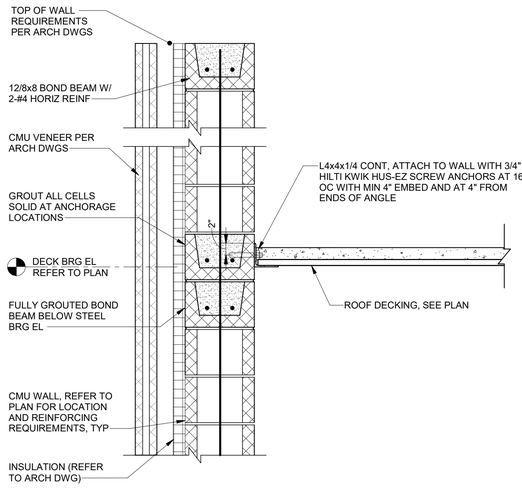
SCALE: 1" = 1'-0"



NOTES:
1. STRUCTURAL STEEL CONTRACTOR MUST FURNISH PRIMARY STEEL (COLUMNS, BEAMS, JOISTS, BRIDGING, CROSS-BRACING, ETC.) MEP CONTRACTORS MUST FURNISH ALL MISC STEEL AND FASTENERS REQ'D FOR REINF AND PIPING SUPPORT.
2. ALL SUPPORTING COMPONENTS MUST BE SUBMITTED TO ENGINEER FOR REVIEW.
3. HANGING LOAD SUPPORTS ON JOISTS MUST BE CONCENTRIC THROUGH CHORD ANGLES. BEAM CLAMPS ON THE OUTSTANDING ANGLE LEGS MUST NOT BE USED. UNISTRUT MAY BE USED TO SPAN BTWN JOISTS BOTTOM CHORDS; THE UNISTRUT MUST BE BOLTED THROUGH BOT CHORD, NOT BEARING ON LEG OF BOT CHORD ANGLE.

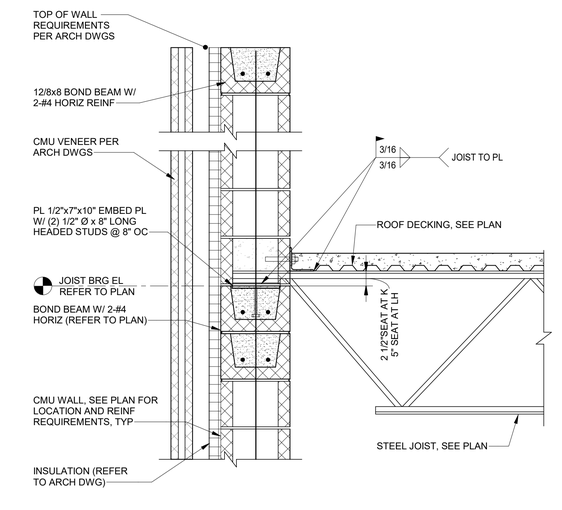
1 S530 TYPICAL JOIST REINFORCEMENT AT POINT LOADS

SCALE: NTS



2 S530 TYP DECK CONN TO CMU WALL - JOISTS PARALLEL

SCALE: NTS



3 S530 TYP JOIST AND DECK CONN TO CMU WALL - DECK PARALLEL

SCALE: 1" = 1'-0"

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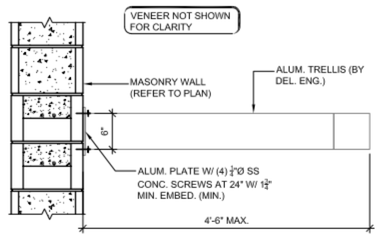
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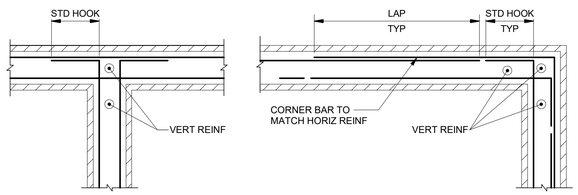
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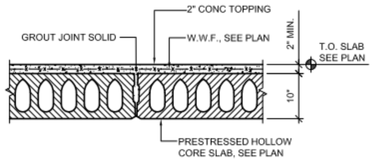
9 S531 TRELLIS CONN TO MASNORY

SCALE: 1" = 1'-0"



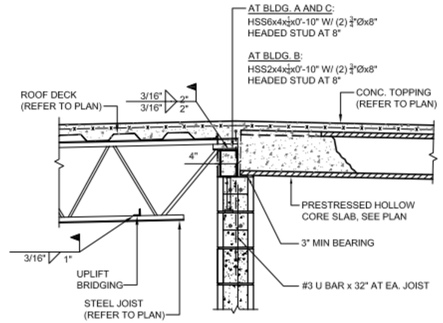
5 S531 BOND BEAM REINFORCING AT INTERSECTION

SCALE: NTS



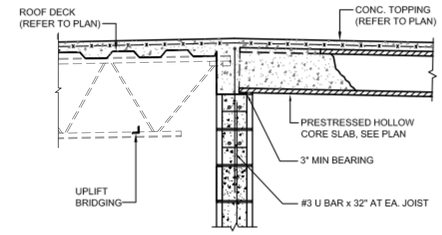
6 S531 HOLLOW CORE SLAB JOINT

SCALE: NTS



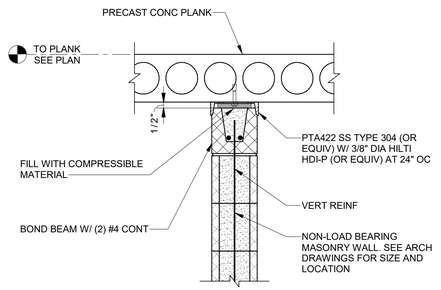
7 S531 JOIST TO HC BEARING

SCALE: 3/4" = 1'-0"



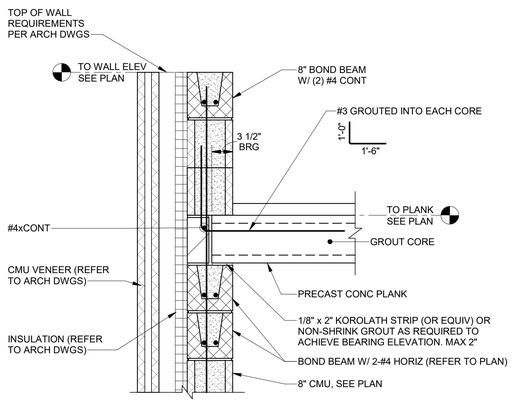
8 S531 HC BEARING BETWEEN JOIST

SCALE: 3/4" = 1'-0"



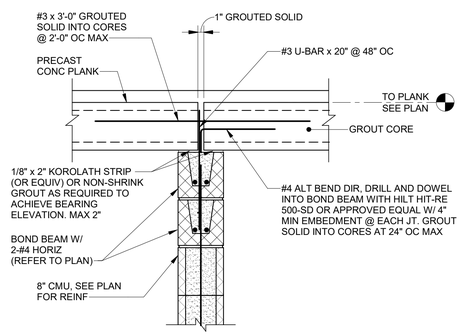
1 S531 NON-LOAD BEARING WALL CONN

SCALE: NTS



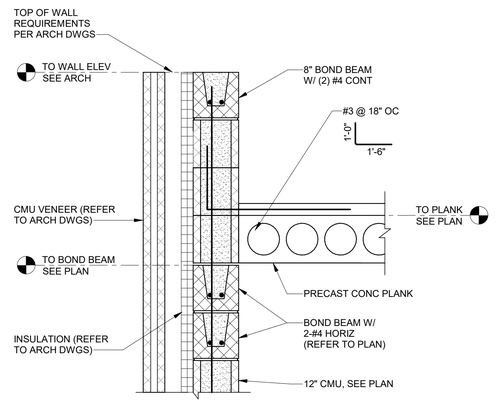
2 S531 TYP HC TO MASONRY CONN (PERPENDICULAR)

SCALE: NTS



3 S531 TYP HC TO MASONRY CONN (INTERIOR)

SCALE: NTS



4 S531 TYP HC TO MASONRY CONN (PARALLEL)

SCALE: NTS

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SHEET NUMBER
S531

FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	
METAL PIPES OR CONDUIT (1000-1999)	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-S SIL GG, CFS-D, MINERAL WOOL
	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	
NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL, CP 644, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, CP 648
	2	F-A 2053, F-A 2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	
INSULATED PIPES (5000-5999)	1	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090, C-AJ-5048	C-AJ-5090, C-AJ-5091, C-AJ 5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	CP 680, FS-ONE MAX, MINERAL WOOL
	2	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090	C-AJ-5090, C-AJ-5091, C-AJ-5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	
MIXED PENETRANTS (8000-8999)	1	C-AJ-8099, C-AJ-8056, C-AJ-8143	C-AJ-8099, C-AJ-8056, W-J-8007, C-AJ-8143	W-L-1095, W-L-8013	FS-ONE MAX, CFS-BL, CP 620, CP 618
	2	C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143, C-AJ-8252	W-L-1095, W-L-8013	

NOTES:

1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURES: HILTI, RECTORSEAL, 3M, STL.

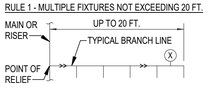
WATER HAMMER ARRESTERS

GROUPED FIXTURES

TABLE 1 - FOR GROUPED FIXTURES

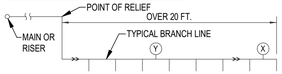
P.D.I. UNITS	AA	A	B	C	D	E	F
FIXTURE UNITS	1-3	1-11	12-32	33-60	61-113	114-154	155-330

RULE 1 - MULTIPLE FIXTURES NOT EXCEEDING 20 FT.



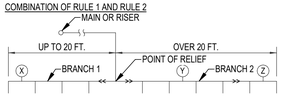
SELECTION METHOD:
USING TABLE 1, SIZE UNIT "X" FOR THE TOTAL FIXTURE UNITS OF BRANCH LINE.

RULE 2 - MULTIPLE FIXTURES EXCEEDING 20 FT.



SELECTION METHOD:
SIZE UNIT "X" AND UNIT "Y" SO THE SUM OF THE RATINGS IS EQUAL TO OR GREATER THAN TOTAL FIXTURE UNITS OF BRANCH LINE.

COMBINATION OF RULE 1 AND RULE 2



SELECTION METHOD:
USING TABLE 1, SIZE UNIT "X" FOR BRANCH 1 BASE ON RULE 1. SIZE UNITS "Y" AND "Z" BASED ON RULE 2.

LONG RUNS

TABLE 2 - WATER PRESSURES UP TO 65 P.S.I.G.

LENGTH OF PIPE (FT.)	P.D.I. WATER HAMMER ARRESTERS NOMINAL PIPE DIAMETER 1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25	A	A	B	C	D	E
50	A	B	C	D	E	F
75	B	C	D	AB	F	EF
100	C	D	E	F	CF	FF
125	C	D	F	AF	EF	EFF
150	D	E	F	DF	FF	FFF

TABLE 2A - WATER PRESSURES 65 P.S.I.G. TO 85 P.S.I.G.

LENGTH OF PIPE (FT.)	P.D.I. WATER HAMMER ARRESTERS NOMINAL PIPE DIAMETER 1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25	B	B	B	D	E	F
50	B	C	C	E	F	CF
75	C	D	D	F	CF	FF
100	D	E	E	CF	EF	EFF
125	D	E	E	DF	FF	BFFF
150	E	F	F	FF	DFF	FFFF

NOTE:
LOCATE WHA AS CLOSE AS POSSIBLE TO POINT OF CLOSURE



SELECTION METHOD:
USING EITHER TABLE 2 OR 2A (BASED ON SYSTEM PRESSURE), SIZE UNIT "X" BASED ON SIZE OF PIPE AND LENGTH OF RUN.

GENERAL NOTE:
PROVIDE WATER HAMMER ARRESTERS IN ACCORDANCE WITH STANDARD PDI-WH201

PIPING AND FITTINGS

	CAP
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	NEW PIPE
	SANITARY, SOIL OR WASTE PIPING
	SANITARY VENT PIPING
	COLD WATER SUPPLY PIPING
	HOT WATER SUPPLY PIPING
140	140° HOT WATER SUPPLY PIPING
	HOT WATER RECIRCULATION PIPING
RL	PRIMARY RAIN LEADER
SRL	SECONDARY RAIN LEADER
SD	STORM DRAIN PIPING
G	GAS PIPING
C	(COOLING COIL) CONDENSATE DRAIN PIPING
HB	HOSE BIBB
	WATER HAMMER ARRESTER
	FLOOR DRAIN
WCO	WALL CLEAN OUT
	CLEAN OUT

VALVES

	BALL VALVE (WITH QUARTER TURN HANDLE)
	BUTTERFLY VALVE (WITH QUARTER TURN HANDLE)
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE

MEASUREMENTS AND CONTROLS

	SOLENOID VALVE
	PRESSURE GAUGE AND ISOLATION VALVE
2.0	MEMORY STOP FLOW CONTROL VALVE (NUMBER INDICATES FLOW IN GPM)
	THERMOMETER

MISCELLANEOUS

	HINGED CEILING ACCESS PANEL
MIN. I.E. = 36" B.F.F.	MINIMUM INVERT ELEVATION BELOW REFERENCE ELEVATION
	POINT INDICATED LIMIT OF DEMOLITION
	POINT OF CONNECTION, PLUMBING TO CIVIL

MINIMUM REQUIRED SLOPE

ALL DRAINAGE PIPIING

PIPE SIZES, INCHES	MIN. SLOPE INCHES/FOOT
2"	1/4"
3"	1/8"
4"	1/8"
6"	1/8"
8"	1/16"
10"	1/16"

NOTES:
1. COMBINATION DRAIN AND VENT PIPING SHALL BE RUN AT A MAXIMUM SLOPE OF 1/2" PER FOOT.

ABBREVIATIONS

AC	ABOVE CEILING	IE	INVERT ELEVATION
AF	ABOVE FLOOR	IMB	ICE MAKER HOOK-UP BOX
AFF	ABOVE FINISHED FLOOR	LHB	LAUNDRY HOOK-UP BOX
AHAP	AS HIGH AS POSSIBLE	LV	LAVATORY
BF	BELOW FLOOR	MSB	MOP SERVICE BASIN
BFF	BELOW FINISHED FLOOR	N/A	NOT APPLICABLE
BG	BELOW GRADE	PSAN	SANITARY
CWS	COLD WATER SUPPLY	RD	ROOF DRAIN
DN	DOWN	RL	RAIN LEADER
EWC	ELECTRIC WATER COOLER	SK	SINK
FD	FLOOR DRAIN	TYP	TYPICAL
HB	HOSE BIBB	VTR	VENT THROUGH ROOF
HP	HORSEPOWER	WC	WATER CLOSET
HWS	HOT WATER SUPPLY	WCO	WALL CLEANOUT
HWR	HOT WATER RECIRCULATION	WHA	WATER HAMMER ARRESTER

DOMESTIC PIPE CLEANING

A. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS FOLLOWS:

1. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.
2. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION; IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652 OR FOLLOW PROCEDURES DESCRIBED BELOW:

a. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
b. FILL AND ISOLATE SYSTEM ACCORDING TO EITHER OF THE FOLLOWING:

1) FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 ppm OF CHLORINE. ISOLATE WITH VALVES AND ALLOW TO STAND FOR 24 HOURS.
2) FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200 ppm OF CHLORINE. ISOLATE AND ALLOW TO STAND FOR THREE HOURS.

c. FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME.
d. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
e. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION.

B. PREPARE AND SUBMIT REPORTS OF PURGING AND DISINFECTING ACTIVITIES. INCLUDE COPIES OF WATER-SAMPLE APPROVALS FROM AUTHORITIES HAVING JURISDICTION.

C. CLEAN INTERIOR OF DOMESTIC WATER PIPING SYSTEM. REMOVE DIRT AND DEBRIS AS WORK PROGRESSES.

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. ASHRAE
   a. STANDARD 90.1 — ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
2. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).
3. NATIONAL FIRE CODES.
   a. NFPA 1 — FIRE CODE - 2021 (FLORIDA EDITION)
   b. NFPA 30 — FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE - 2021
   c. NFPA 30A — CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES - 2021
   d. NFPA 52 — VEHICULAR GASEOUS FUEL SYSTEMS CODE - 2019
   e. NFPA 54 — NATIONAL FUEL GAS CODE - 2021
   f. NFPA 70 — NATIONAL ELECTRICAL CODE - 2020
   g. NFPA 101 — LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
4. FLORIDA BUILDING CODE, 2023 8th EDITION
   a. BUILDING CODE
   b. ENERGY CONSERVATION CODE
   c. MECHANICAL CODE
   d. PLUMBING CODE
   e. FUEL GAS CODE
   f. ACCESSIBILITY CODE
5. FLORIDA STATUTES
   a. CHAPTER 471 — ENGINEERING
   b. CHAPTER 533.80 — BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
6. FLORIDA ADMINISTRATIVE CODE
   a. CHAPTER 9B-7 — FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS
   b. CHAPTER 61G15-34 — RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
   c. CHAPTER 69A-3 — FIRE PREVENTION - GENERAL PROVISIONS
   d. CHAPTER 69A-60 — THE FLORIDA FIRE PREVENTION CODE

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
2. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
6. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKERBOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
16. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL BE TO STRUCTURAL SYSTEMS ONLY.
17. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
18. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
19. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
20. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
21. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.

PLUMBING NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE AND LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS THAT REQUIRE PIPING OR DUCT CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.
3. PRESSURE TEST ALL WATER PIPING SYSTEMS AT 150% OF NORMAL WORKING PRESSURE.
4. ALL COPPER PRESSURE PIPE SHALL BE SOLDERED ENTIRELY WITH LEAD-FREE SOLDER.
5. INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.
6. ALL FLOOR DRAINS AND FLOOR SINKS SHALL HAVE MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS AND AUTOMATIC TRAP PRIMERS (MANUFACTURER: PRECISION PLUMBING PRODUCTS).
7. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH PDI-WH201, AS MANUFACTURED BY WADE.
8. ALL HOSE BIBBS, SILL COCKS AND/OR FAUCETS WITH HOSE CONNECTIONS SHALL HAVE A VACUUM BREAKER.
9. GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE STARTED AT HIGHEST POINT POSSIBLE.
10. ALL WATER PIPING SUBJECT TO FREEZING SHALL BE FREEZE PROTECTED. THIS INCLUDES ALL PIPING IN UNHEATED SPACES SUCH AS EQUIPMENT ROOMS, CHASES, ATTICS, SOFFITS, CRAWL SPACES, EXTERIOR WALLS, CEILINGS, ETC.
11. INSULATE EXTERIOR ABOVE GRADE WATER PIPING WITH CELLULAR GLASS. SEE SPECS.
12. DO NOT LOCATE FLOOR DRAINS/SINKS UNDER EQUIPMENT. COORDINATE EXACT LOCATION OF DRAINS/SINKS WITH EQUIPMENT FURNISHED.
13. ALL PLUMBING VENTS SHALL BE 2" MINIMUM, UNLESS NOTED OTHERWISE.
14. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE OR OTHER DEVICE REQUIRING SERVICE IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANEL SHALL BE FIRE RATED IF INSTALLED IN A FIRE RATED CEILING OR WALL.
15. PROVIDE ALL LOW VOLTAGE WIRING AND CONDUIT NECESSARY FOR CONNECTION PRESSURE SWITCHES. BOTTLE CHANGE OVER ALARM, ETC. TO MASTER ALARM STATION AT NURSE STATION.
16. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE, SOIL STACK OR RAIN LEADER, WHETHER SHOWN ON THE DRAWINGS OR NOT.
17. ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEVING ARCH, OR A PIPE SLEEVE. SLEEVE SHALL BE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.
18. LOCATIONS OF EXISTING BELOW GRADE OR CONCEALED UTILITIES ARE BASED ON REFERENCE MATERIALS PROVIDED TO THE ENGINEER AND HAVE NOT BEEN VERIFIED. CONTRACTOR SHALL LOCATE CONCEALED ELEMENTS AND NOTIFY ENGINEER IF VARIANCES BETWEEN THESE DOCUMENTS AND ACTUAL FIELD CONDITIONS EXIST AND MAY MATERIALLY AFFECT THE DESIGN INTENT.

THERMOSTATIC MIXING VALVES

DESIGNATION			TMV-A.1, B.1, C.1	TMV-A.2, B.2, C.2
	APPLICATION		MED / LOW	MED / LOW
	SET-POINT	°F	110	110
	MINIMUM FLOW	GPM	1	0.5
	MAXIMUM FLOW	GPM	6	3.5
	PRESSURE DROP @ MAX FLOW	PSI	5	5
	RECIRCULATED SYSTEM		NO	YES
	ASSE COMPLIANCE		1017	1017
MANUFACTURER			LAWLER	LAWLER
MODEL NUMBER			61-25	61-15
DETAIL REFERENCE			A/P502	A/P502

NOTES:
1 PROVIDE ROUGH BRASS FINISH

INSTANTANEOUS ELECTRIC WATER HEATERS

DESIGNATION			WH-A.3, B.3, C.3
	FLOW RATE	GPM	0.5
	HEATING CAPACITY	kW	1.8
	ENTERING WATER TEMPERATURE	°F	65
	LEAVING WATER TEMPERATURE	°F	90
	TEMPERATURE RISE	°F	25
	FULL LOAD CURRENT	AMPS	15
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
	MINIMUM CIRCUIT AMPACITY	AMPS	19
	MAXIMUM OVERCURRENT PROTECTION	AMPS	20
MANUFACTURER			CHRONOMITE
MODEL NUMBER			CMI-15L

NOTES:
1 MINIMUM ACTIVATION FLOW = 0.20 GPM

ELECTRIC STORAGE WATER HEATERS

DESIGNATION			WH-A.1,B.1,C.1	WH-A.2,B.2,C.2
	STORAGE	GAL	40	40
	HEATING ELEMENT INPUT	kW	3.0	3.0
	NUMBER OF ELEMENTS	#	2	2
	SIMULTANEOUS OPERATION OF ELEMENTS		NO	NO
	TOTAL HEATING INPUT	kW	3.0	3.0
	ENTERING WATER TEMPERATURE	°F	65	65
	LEAVING WATER TEMPERATURE	°F	140	140
	TEMPERATURE RISE	°F	75	75
	RECOVERY RATE	GPH	16	16
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1
	MINIMUM CIRCUIT AMPACITY	AMPS	18	18
	MAXIMUM OVERCURRENT PROTECTION	AMPS	20	20
MANUFACTURER			A.O. SMITH	A.O. SMITH
MODEL NUMBER			DEN-40	DEN-40
DETAIL REFERENCE			A/P502	A/P502

NOTES:
1 PROVIDE LOW WATER CUT-OFF.

CIRCULATOR PUMPS

DESIGNATION			CP-A.2, B.2
	SERVICE		DHW
	CAPACITY	GPM	4
	TOTAL DYNAMIC HEAD	FT.	15
	SHUT-OFF HEAD	FT.	35
	PUMP SEAL		MECHANICAL
	MOTOR SPEED	RPM	3,250
	MOTOR HORSEPOWER	HP	1/8
	MOTOR WINDING		FULL
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
	NOTES		1, 2
MANUFACTURER			TACO
MODEL NUMBER			009
DETAIL REFERENCE			A/P502

NOTES:
1 PROVIDE ADJUSTABLE AQUASTAT (ON @ 110°F / OFF @ 120°F)
2 PROVIDE 7-DAY PROGRAMMABLE TIMECLOCK.

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No.	REVISIONS	DATE	BY

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FL LICENSE NUMBER #73938

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	RDR	JLR	STC
DATE 01/17/2025	1/8" = 1'-0"		

GENERAL NOTES AND LEGENDS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE — FLORIDA

SHEET NUMBER
P001

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PLUMBING FIXTURE ACCESSORY SCHEDULE

ACCESSORY TAG	ACCESSORY DESCRIPTION	MANUFACTURER AND MODEL NUMBER
DR-LV-C	1-1/4" CHROME PLATED BRASS OFFSET DRAIN WITH TAIL PIECE. PROVIDE A PERFORATED FLAT CHROME BRASS STRAINER.	ELKAY: LKAD174 OR APPROVED EQUAL
DR-SK-STD	TYPE 304 STAINLESS STEEL DRAIN, REMOVEABLE CONICAL STRAINER BASKET, 1-1/2" STAINLESS STEEL OFFSET TAILPIECE.	ELKAY: LK35/LK53/LKAD35 OR APPROVED EQUAL
FCT-LV-0.5-AUTO-B	SINGLE INLET, DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, LEAD FREE, BATTERY POWERED, SENSOR OPERATED, 0.5 GPM AERATOR WITH PRESSURE COMPENSATING FLOW CONTROL.	AMERICAN STANDARD: 605B.205 OR APPROVED EQUAL
FCT-MSB	SERVICE SINK FAUCET, POLISHED CHROME PLATED BRASS, BUILT-IN STOPS, VACUUM BREAKER, LEVER HANDLES, WALL BRACE, 3/4" HOSE OUTLET.	T&S BRASS: B-0665-BSTP OR APPROVED EQUAL
FCT-SK-1.5-GEN-SIDE	SINGLE LEVER, SIDE VALVE FAUCET, POLISHED CHROME PLATED BRASS, 10" HIGH GOOSENECK SPOUT, 1.5 GPM AT 80 PSI AERATOR, SOFT-CLOSING VALVE WITH INTEGRAL FLOW CONTROL AND ADJUSTABLE STOP TO RESTRICT EXTREME TEMPERATURES.	T&S BRASS: B-2742 OR APPROVED EQUAL
FD-EM-SH	FLOOR DRAIN FOR EMERGENCY SHOWER	0
FV-1.6-MAN	EXPOSED MANUAL WATER CLOSET FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1.6 GPF, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6047.161.002 OR APPROVED EQUAL
HGR-MSB	STAINLESS STEEL HANGER, WITH THREE RUBBER TOOL GRIPS.	FIAT: 889CC OR APPROVED EQUAL
HOSE-MSB	HEAVY DUTY, FLEXIBLE HOSE, 5/8" RUBBER, CLOTH REINFORCED, 3/4" BRASS COUPLING, TYPE 302 STAINLESS STEEL BRACKET WITH RUBBER GRIP.	FIAT: 832AA OR APPROVED EQUAL
RMGD-MSB	ALUMINUM RIM GUARD.	FIAT: 1239BB OR APPROVED EQUAL
SEAT-OPN-FRT	EXTRA HEAVY DUTY, OPEN FRONT, ELONGATED SEAT, WITHOUT COVER, SOLID PLASTIC, SELF-SUSTAINING CHECK TYPE HINGE. HINGES SHALL MATCH SEAT COLOR. STAINLESS STEEL POSTS FITTED WITH STAINLESS STEEL WASHERS AND NUTS.	BEMIS: 1655SSCT OR APPROVED EQUAL
TR-LV	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/4" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	ELKAY: LK500 OR APPROVED EQUAL
TR-SK-STD	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/2" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	KOHLER: K-9000-CP OR APPROVED EQUAL

ROOF DRAINAGE SCHEDULE

ZONE NO.	HORIZONTAL AREA (SF)	VERTICAL WALL AREA (SF)	TOTAL ROOF AREA (SF)	DRAIN CAPACITY (GPM)	PRIMARY DRAIN			SECONDARY DRAIN		
					VERTICAL DRAIN (INCH)	HORIZONTAL DRAIN (INCH)	SLOPE (INCH / FT)	VERTICAL DRAIN (INCH)	HORIZONTAL DRAIN (INCH)	SLOPE (INCH / FT)
ZONE 1 (BUILDING A)	2,450	204	2,552	132	4	5	1/8	4	5	1/8
ZONE 2 (BUILDING A)	3,000	228	3,114	161	4	5	1/8	4	5	1/8
ZONE 3 (BUILDING A)	3,000	228	3,114	161	4	5	1/8	4	5	1/8
ZONE 4 (BUILDING A)	2,450	204	2,552	132	4	5	1/8	4	5	1/8
ZONE 1 (BUILDING C)	1,750	168	1,834	95	4	4	1/8	4	4	1/8
ZONE 2 (BUILDING C)	2,250	192	2,346	121	4	5	1/8	4	5	1/8
ZONE 3 (BUILDING C)	2,250	192	2,346	121	4	5	1/8	4	5	1/8
ZONE 4 (BUILDING C)	1,750	168	1,834	95	4	4	1/8	4	4	1/8
ZONE 1 (BUILDING B)	2,450	204	2,552	132	4	5	1/8	4	5	1/8
ZONE 2 (BUILDING B)	3,000	228	3,114	161	4	5	1/8	4	5	1/8
ZONE 3 (BUILDING B)	3,000	228	3,114	161	4	5	1/8	4	5	1/8
ZONE 4 (BUILDING B)	2,450	204	2,552	132	4	5	1/8	4	5	1/8

NOTES:

1 RAIN FALL RATE = 5.0 INCH / HR

2 TOTAL ROOF AREA INCLUDES HORIZONTAL AREA AND 50% OF VERTICAL WALL AREA.

3 SEE DETAIL B/P501 FOR COMBINATION PRIMARY SECONDARY ROOF DRAIN

PLUMBING FIXTURE SCHEDULE

FIXTURE DESIGNATION	FIXTURE DESCRIPTION	A.D.A. COMPLIANT	MOUNTING METHOD	HEIGHT (A.F.F.)	ROUGH-IN PIPE SIZES				MANUFACTURER AND MODEL NUMBER	ACCESSORIES (SEE SCHEDULE)
					COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN		
WC-3	FLUSH VALVE WATER CLOSET, HIGH EFFICIENCY (1.28 - 1.6 GPF), VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY. COLOR: WHITE.	YES	WALL	RIM: 17"	1"	N/A	4"	4"	AMERICAN STANDARD: 2257.101 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.6-MAN
LV-1	LAVATORY, 20"x18", VITREOUS CHINA,3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), ANTI-SPLASH RIM AND HIGH BACK. COLOR: WHITE.	YES	WALL	RIM: 34"	1/2"	1/2"	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-AUTO-B DR-LV-C TR-LV
SK-1	SINGLE COMPARTMENT SINK, SELF-RIMMING, 22"x19-1/2", 18"x14"x5-1/2" DEEP BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: LRAD221955-4 OR APPROVED EQUAL	FCT-SK-1.5-GEN-SIDE DR-SK-STD TR-SK-STD
SK-21	SINGLE COMPARTMENT SERVICE SINK, 24" x 20 1/2" ENAMELED CAST IRON SINK WITH WALL HANGER AND RIM GUARD. PROVIDED WITH 2 HOLES ON 8" CENTERS. FAUCET WITH VACUUM BREAKER (ZURN # 8340.243) AND STANDARD 2" TRAP (ZURN #7798.020).	NO	WALL	RIM: 26 1/4"	1/2"	1/2"	2"	2"	ZURN: AKRON - 7695.008 OR APPROVED EQUAL	
MSB-2	MOP SERVICE SINK BASIN, 24"L x 24"W x 12"H, WITH 2" WIDE SHOULDERS, 1/4" PITCH TOWARD INSIDE, PRECAST TERRAZZO (MINIMUM 3,000 PSI @ 7 DAYS), SURFACE GROUND AND POLISHED WITH ALL HOLES AND PITS GROUTED AND WITH EXCESS REMOVED. COLOR: BLACK & WHITE MARBLE CHIPS IN GRAY PORTLAND CEMENT.	NO	FLOOR	---	1/2"	1/2"	3"	3"	FIAT: TSB-200 OR APPROVED EQUAL	FCT-MSB RMGD-MSB HOSE-MSB HGR-MSB
EM-13	EMERGENCY SHOWER/EYEWASH: ALL METAL PARTS STAINLESS STEEL: 1-1/4" TYPE 304 S.S. SCHEDULE 40 PIPE STAND/SUPPLY WITH FLOOR FLANGE, 1-1/4" TOP AND BOTTOM SUPPLY CONNECTIONS, 1-1/4" DRAIN OUTLET, 11-1/8" BOWL WITH FOUR SPRAY OUTLETS FOR EYES/FACE WASH, 1/2" TYPE 316 S.S. STAY-OPEN EYE/FACE WASH BALL VALVE WITH FLAG HANDLE AND FOOT TREADLE OPERATOR, 10" DIAMETER SHOWER HEAD, 1" TYPE 316 S.S. STAY-OPEN BALL SHOWER VALVE WITH ACTUATING ARM AND PULL ROD.	YES	FLOOR	--	1-1/4"	N/A	1-1/4"	2"	GUARDIAN: GBF1994 OR APPROVED EQUAL	FD-EM-SH
EWC-21	ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION, FILTERED, BARRIER-FREE, TYPE 304 STAINLESS STEEL BASIN, BRUSHED FINISH, VANDAL-RESISTANT BUBBLER, STAINLESS STEEL CABINET AND CANE APRON, LEAD-FREE WATERWAYS, SELF CONTAINED SYSTEM (R-134A REFRIGERANT) DELIVERS MIN. 8 GPH OF 50°F WATER @ 80°F. INLET WATER AND 90°F AMBIENT AIR, 120V/1PH. BOTTLE FILLING STATION: ELECTRONIC SENSOR ACTIVATED WITH AUTOMATIC 20-SECOND SHUT-OFF TIMER AND BOTTLE COUNTER. DELIVERS MIN. 1 GPM FLOW RATE WITH LAMINAR FLOW. ANTI-MICROBIAL PLASTIC COMPONENTS.	YES	WALL SURFACE	SPOUT: 38" / 32"	1/2"	N/A	1-1/4"	2"	ELKAY: LZSTLG8WSSK OR APPROVED EQUAL	
IMB	ICE MAKER HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED WATER TIGHT CONSTRUCTION, COLD WATER SUPPLY VALVE WITH 1/2" COPPER SWEAT INLET AND 1/4" COMPRESSION OUTLET AND WATER HAMMER ARRESTER.	N/A	WALL RECESSED	--	1/2"	N/A	N/A	N/A	GUY GRAY: MIB1HAAB OR APPROVED EQUAL	
LHB	LAUNDRY HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED WATER TIGHT CONSTRUCTION, TOP MOUNT HOT AND COLD WATER SUPPLY VALVES WITH 5/8" COPPER SWEAT INLETS AND 3/4" COMPRESSION OUTLETS, 2" DRAIN AND WATER HAMMER ARRESTERS.	N/A	WALL RECESSED	--	1/2"	1/2"	2"	2"	GUY GRAY: T200TPPVCCHA OR APPROVED EQUAL	
HB	ROUGH CHROME HOSE BIBB WITH VACUUM BREAKER, CROSS HANDLE, 3/4" HOSE THREAD OUTLET, 3/4" FEMALE INLET.	N/A	WALL SURFACE	--	3/4"	N/A	N/A	N/A	0	
WH	EXTERIOR WALL HYDRANT, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, WITH INTEGRAL BACKFLOW PREVENTER. ALL BRONZE INTERIOR PARTS. 3/4" INLET, 3/4" HOSE THREAD OUTLET, STAINLESS STEEL FACE AND OPERATING KEY.	N/A	WALL RECESSED	--	3/4"	N/A	N/A	N/A	0	

NOTES:

1 SUPPLY STOPS: CHROME-PLATED-BRASS, ONE-QUARTER TURN, BALL-TYPE OR COMPRESSION VALVE WITH INLET MATCHING SUPPLY PIPING.

2 FLEXIBLE CONNECTIONS: ASME A112.18.6 BRAIDED- OR CORRUGATED-STAINLESS STEEL, FLEXIBLE HOSE RISER.

3 SUPPORT CARRIERS: ASME A112.6.1M TYPE 1 (URINALS) OR TYPE 2 (CONCEALED ARM FOR LAVATORIES) WITH RECTANGULAR STEEL UPRIGHTS, COUPLING, SEAL, AND MOUNTING HARDWARE.

4 A.D.A. LAVATORIES & SINKS: PROTECT DRAIN AND SUPPLY LINES WITH "TRAP WRAP" OR APPROVED EQUAL.

5 EXTRA MAINTENANCE MATERIALS: FURNISH TWO (2) FLUSHOMETER-VALVE REPAIR KITS FOR EACH TYPE OF FLUSHOMETER VALVE INSTALLED.

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

Scott T. Craig Jr., P.E.

FL LICENSE NUMBER #73938

PROJECT NUMBER	DESIGNED BY	RDR
144124059	DRAWN BY	SPD
DATE 01/17/2025	CHECKED BY	STC
1/8" = 1'-0"		

SCHEDULES

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
P002

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FIXTURE UNIT CALCULATIONS - BUILDING C

FIXTURE TYPE		QUANTITY	WASTE		SUPPLY					
					COLD		HOT		TOTAL	
			UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
	DRINKING FOUNTAIN	1	0.5	0.5	0.25	0.25			0.25	0.25
	LAVATORY	2	1	2	1.5	3	1.5	3	2	4
	SINK	3	2	6	2	6	2	6	3	9
	MOP SERVICE BASIN	1	2	2	2.25	2.25	2.25	2.25	3	3
	WATER CLOSET (FLUSH VALVE)	2	6	12	10	20			10	20
	HOSE BIBB / WALL HYDRANT	9			4	36			4	36
	FLOOR DRAIN/FLOOR SINK	8	2	16						
	REFRIGERATOR ICE MAKER	1			1	1			1	1
	TRENCH DRAIN (MAINT. BAY)	2	4	8						
	EMERGENCY EYEWASH/SHOWER	1	4	4	7	7			7	7
	HOSE REEL (MAINT. BAY)	1			4	4			4	4
	CAR WASH SYSTEM									
	PRESSURE WASHER	2			4	8			4	8
	RECLAIMED WATER SUPPLY/DRAIN	1	350	350	500	500			500	500
	WINDSHIELD WASHER FLUID	1			4	4			4	4
	LAUNDRY FIXTURES									
	WASHING MACHINE (30 LB)	1	30	30	20	20	20	20	30	30
TOTAL FIXTURE UNITS				430.5		611.5		31.25		626.25
DOMESTIC WATER DEMAND (GPM)						158.2		44.3		160.2

FIXTURE UNIT CALCULATIONS - BUILDING A

FIXTURE TYPE		QUANTITY	WASTE		SUPPLY					
					COLD		HOT		TOTAL	
			UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
	DRINKING FOUNTAIN	1	0.5	0.5	0.25	0.25			0.25	0.25
	LAVATORY	3	1	3	1.5	4.5	1.5	4.5	2	6
	SINK	2	2	4	2	4	2	4	3	6
	MOP SERVICE BASIN	1	2	2	2.25	2.25	2.25	2.25	3	3
	WATER CLOSET (FLUSH VALVE)	3	6	18	10	30			10	30
	HOSE BIBB / WALL HYDRANT	9			4	36			4	36
	FLOOR DRAIN/FLOOR SINK	9	2	18						
	REFRIGERATOR ICE MAKER	1			1	1			1	1
	TRENCH DRAIN (MAINT. BAY)	3	4	12						
	EMERGENCY EYEWASH/SHOWER	1	4	4	7	7			7	7
	HOSE REEL (MAINT. BAY)	2			4	8			4	8
	CAR WASH SYSTEM									
	PRESSURE WASHER	3			4	12			4	12
	RECLAIMED WATER SUPPLY/DRAIN	1	700	700	1000	1000			1000	1000
	WINDSHIELD WASHER FLUID	1			4	4			4	4
	LAUNDRY FIXTURES									
	WASHING MACHINE (30 LB)	1	30	30	20	20	20	20	30	30
TOTAL FIXTURE UNITS				791.5		1129		30.75		1143.25
DOMESTIC WATER DEMAND (GPM)						224.0		44.2		225.8

FIXTURE UNIT CALCULATIONS - BUILDING B

FIXTURE TYPE		QUANTITY	WASTE		SUPPLY					
					COLD		HOT		TOTAL	
			UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
	DRINKING FOUNTAIN	1	0.5	0.5	0.25	0.25			0.25	0.25
	LAVATORY	3	1	3	1.5	4.5	1.5	4.5	2	6
	SINK	2	2	4	2	4	2	4	3	6
	MOP SERVICE BASIN	1	2	2	2.25	2.25	2.25	2.25	3	3
	WATER CLOSET (FLUSH VALVE)	3	6	18	10	30			10	30
	HOSE BIBB / WALL HYDRANT	9			4	36			4	36
	FLOOR DRAIN/FLOOR SINK	9	2	18						
	REFRIGERATOR ICE MAKER	1			1	1			1	1
	TRENCH DRAIN (MAINT. BAY)	3	4	12						
	EMERGENCY EYEWASH/SHOWER	1	4	4	7	7			7	7
	HOSE REEL (MAINT. BAY)	2			4	8			4	8
	CAR WASH SYSTEM									
	PRESSURE WASHER	3			4	12			4	12
	RECLAIMED WATER SUPPLY/DRAIN	1	700	700	1000	1000			1000	1000
	WINDSHIELD WASHER FLUID	1			4	4			4	4
	LAUNDRY FIXTURES									
	WASHING MACHINE (30 LB)	1	30	30	20	20	20	20	30	30
TOTAL FIXTURE UNITS				791.5		1129		30.75		1143.25
DOMESTIC WATER DEMAND (GPM)						224.0		44.2		225.8

No.	REVISIONS	DATE	BY

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FL LICENSE NUMBER
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CHECKED BY	STC

SCHEDULES

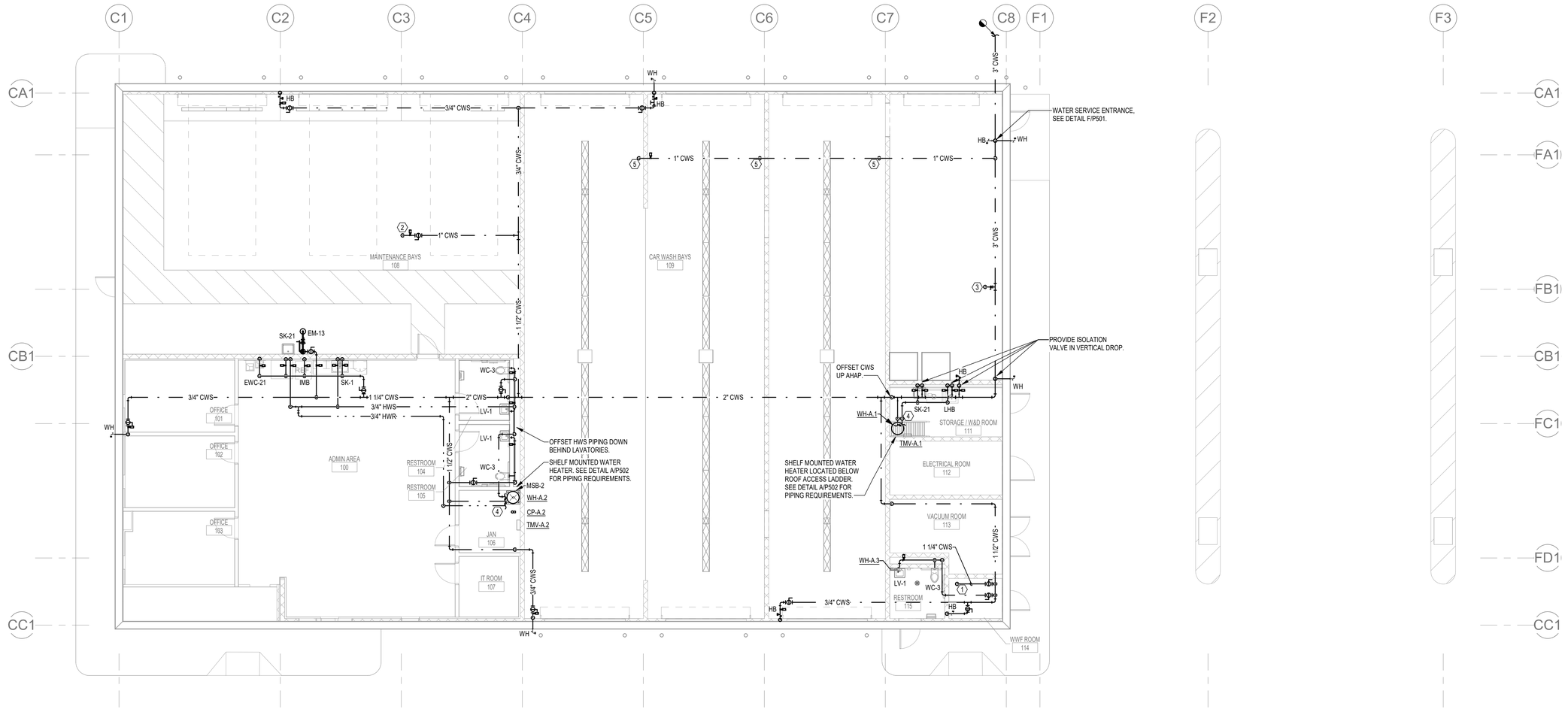
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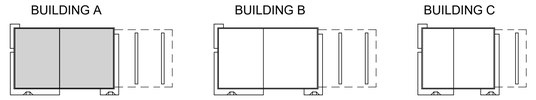
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KEYNOTES

1. PROVIDE RPZ, CONNECT CWS TO WINDSHIELD WASHER FLUID SYSTEM, SEE SHEET QM701 FOR REFERENCE.
2. CONNECT 1" CWS TO HOSE REEL SYSTEM, SEE SHEET QM700 FOR REFERENCE.
3. PROVIDE RPZ, CONNECT 3" CWS TO RECLAIM WATER SYSTEM, SEE SHEET QC700 FOR REFERENCE.
4. SEE SHELF MOUNTED WATER HEATER DETAIL A/P502 FOR CONNECTIONS REQUIREMENTS.
5. PROVIDE RPZ AND 3/4" CONNECTION TO PRESSURE WASHING EQUIPMENT IN THIS VICINITY. REFER TO QC DRAWINGS. PROVIDE ISOLATION VALVE IN DROP.



1 1/8" = 1'-0" **SUPPLY FLOOR PLAN - BUILDING A**



SITE KEY

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

Scott T. Craig Jr., P.E.

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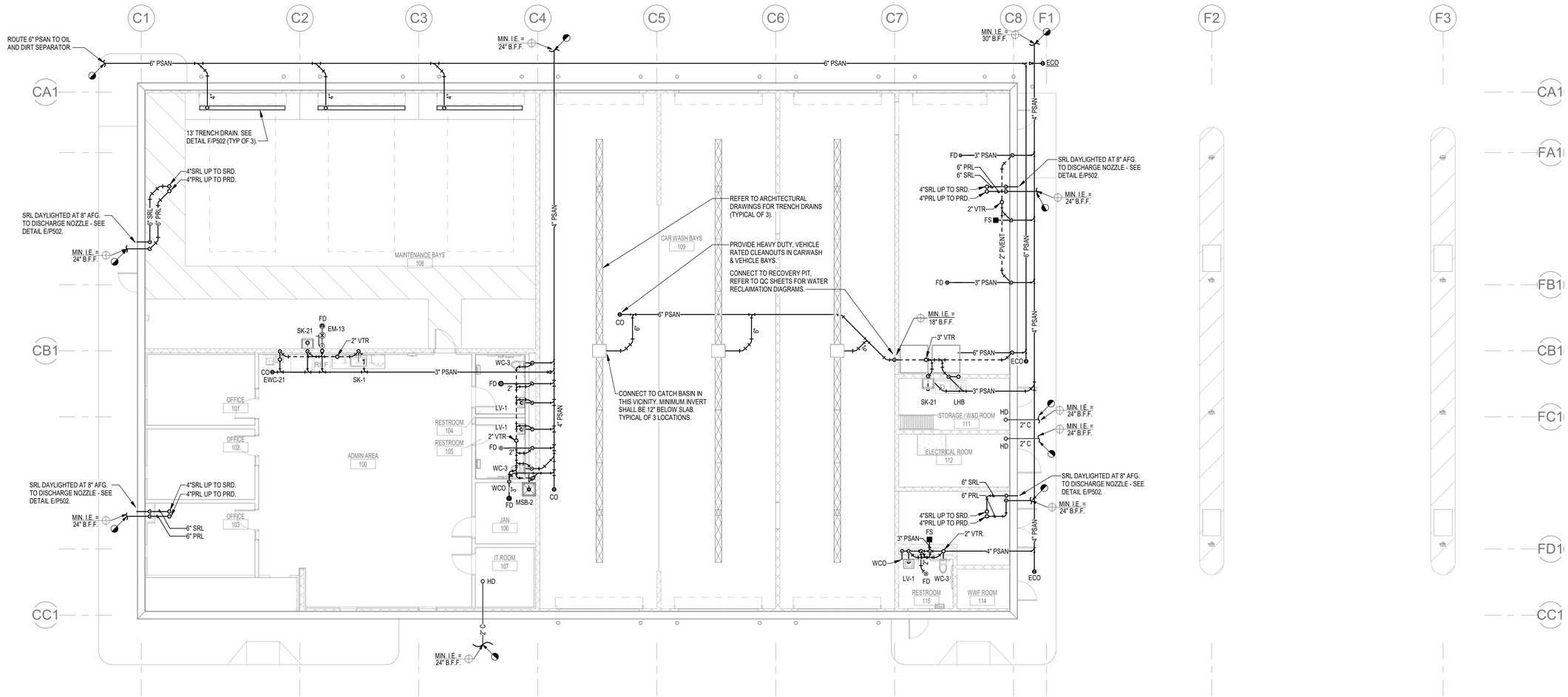
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THREE BAY FLOOR PLAN - SUPPLY - BUILDING A

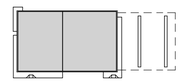
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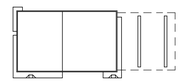
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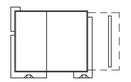
BUILDING A



BUILDING B



BUILDING C



SITE KEY



1 1/8" = 1'-0" **WASTE & VENT FLOOR PLAN - BUILDING A**

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FL LICENSE NUMBER #73938

PROJECT NUMBER	144124059
DATE	01/17/2025
1/8" = 1'-0"	
DESIGNED BY	RDR
DRAWN BY	SPD
CHECKED BY	STC

THREE BAY FLOOR PLAN - WASTE & VENT - BUILDING A

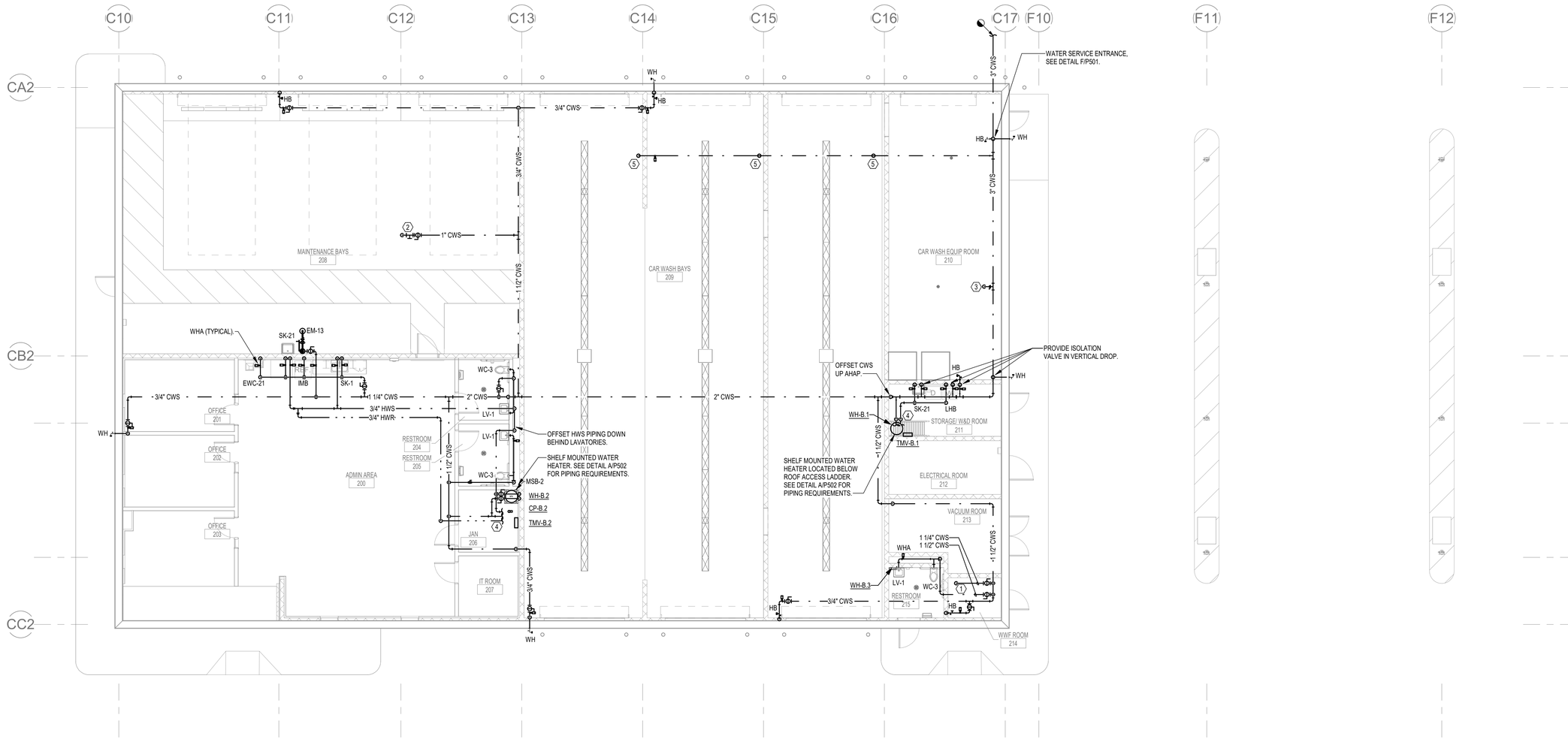
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KEYNOTES

1. PROVIDE RPZ, CONNECT CWS TO WINDSHIELD WASHER FLUID SYSTEM, SEE SHEET QM701 FOR REFERENCE.
2. CONNECT 1" CWS TO HOSE REEL SYSTEM, SEE SHEET QM700 FOR REFERENCE.
3. PROVIDE RPZ, CONNECT 3" CWS TO RECLAIM WATER SYSTEM, SEE SHEET QC700 FOR REFERENCE.
4. SEE SHELF MOUNTED WATER HEATER DETAIL A/P502 FOR CONNECTIONS REQUIREMENTS.
5. PROVIDE RPZ AND 3/4" CONNECTION TO PRESSURE WASHING EQUIPMENT IN THIS VICINITY. REFER TO QC DRAWINGS. PROVIDE ISOLATION VALVE IN DROP.



1 1/8" = 1'-0" **SUPPLY FLOOR PLAN - BUILDING B**

BUILDING A | BUILDING B | BUILDING C

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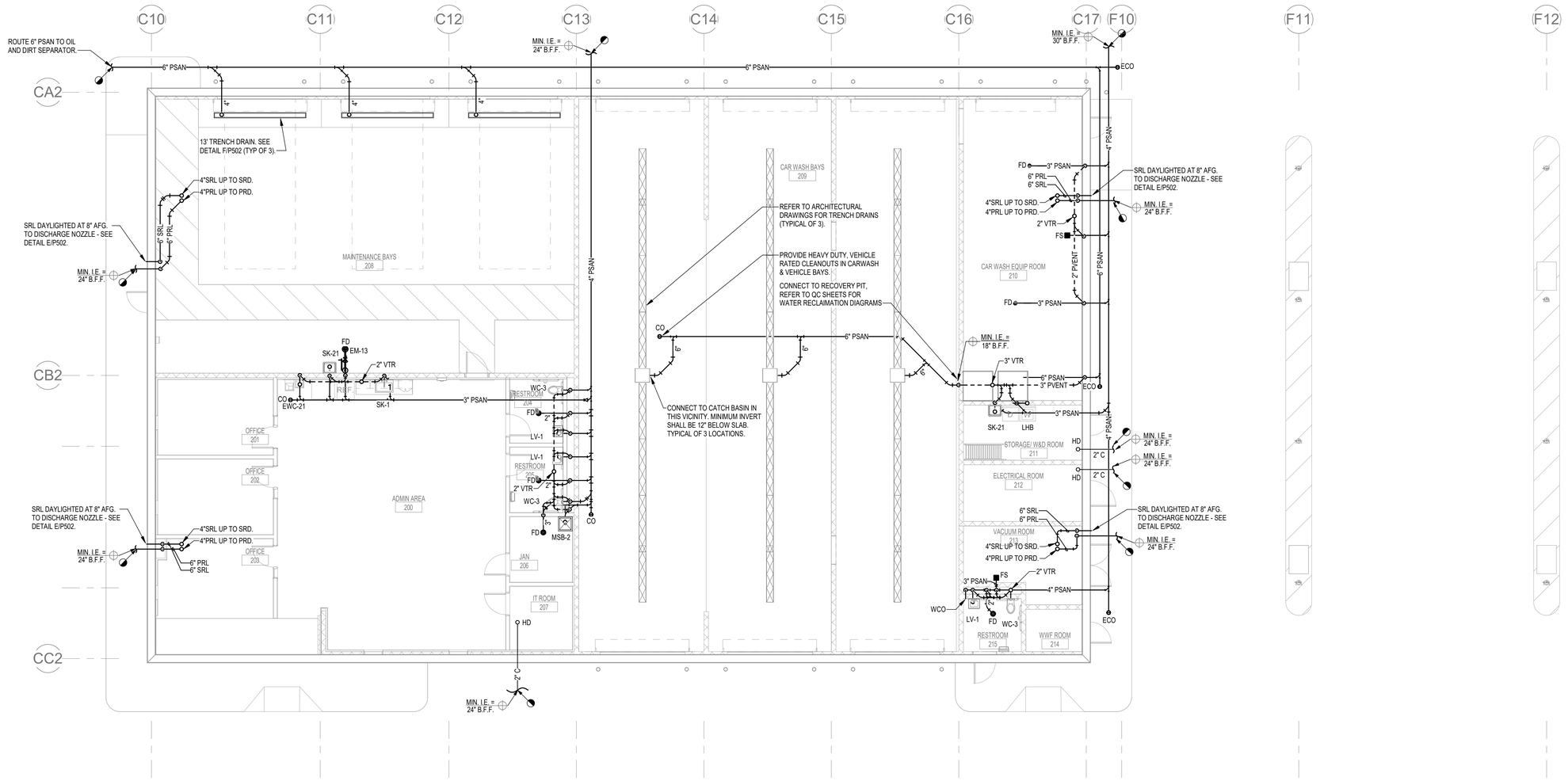
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FL LICENSE NUMBER
#73938

PROJECT NUMBER	144124059
DATE	01/17/2025
	1/8" = 1'-0"
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THREE BAY FLOOR PLAN - SUPPLY - BUILDING B

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1 1/8" = 1'-0" **WASTE & VENT FLOOR PLAN - BUILDING B**

BUILDING A | BUILDING B | BUILDING C

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THREE BAY FLOOR PLAN - WASTE & VENT - BUILDING B

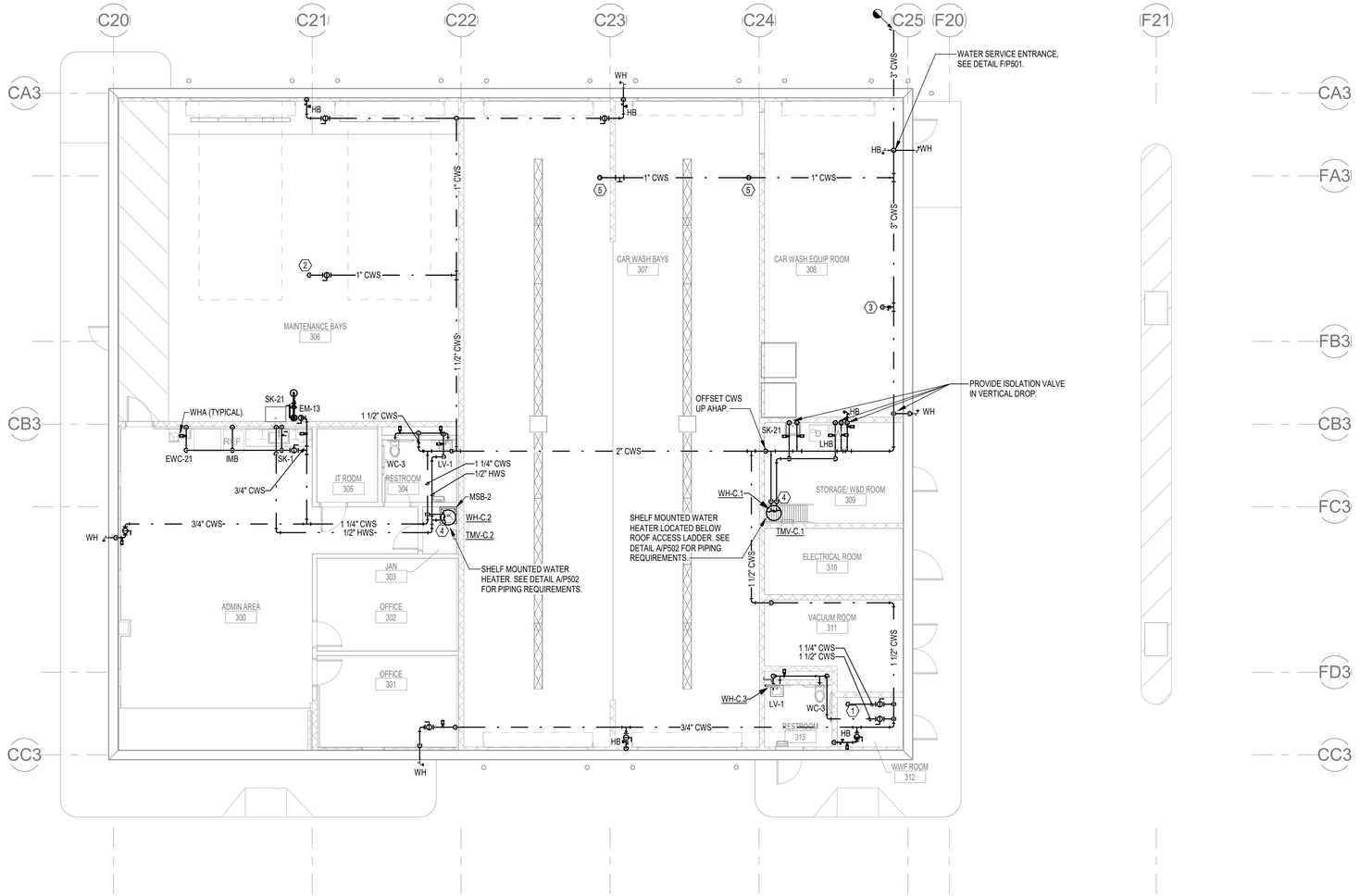
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1 1/8" = 1'-0" **SUPPLY FLOOR PLAN - BUILDING C**

BUILDING A BUILDING B BUILDING C

SITE KEY

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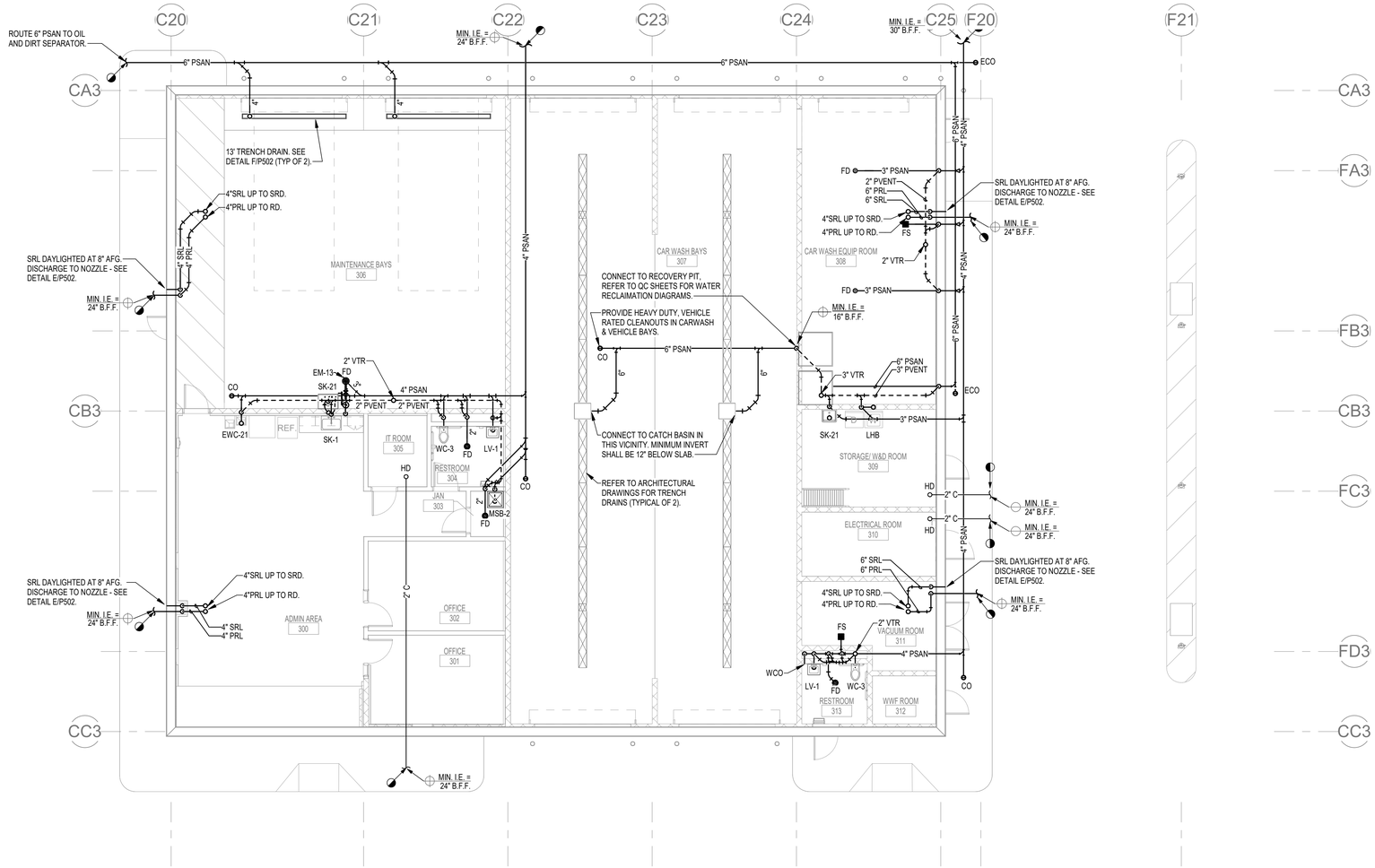
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TWO BAY FLOOR PLAN - SUPPLY - BUILDING C

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1 1/8" = 1'-0" **WASTE & VENT FLOOR PLAN - BUILDING C**

BUILDING A | BUILDING B | BUILDING C

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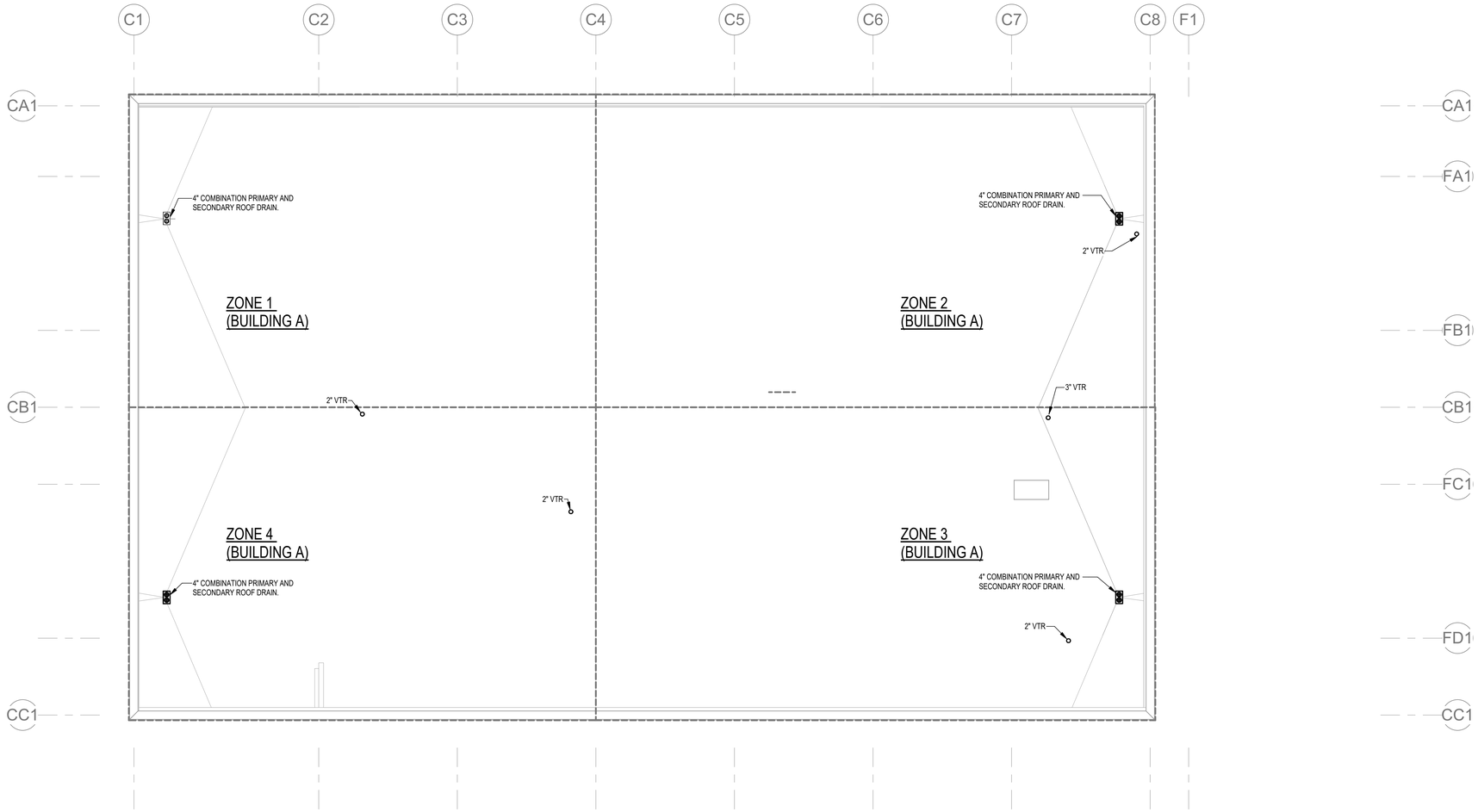
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TWO BAY FLOOR PLAN - WASTE & VENT - BUILDING C

QUICK - TURNAROUND FACILITY
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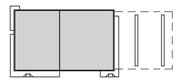
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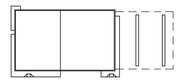


1 1/8" = 1'-0" **PLUMBING ROOF PLAN - BUILDING A**

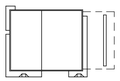
BUILDING A



BUILDING B



BUILDING C



SITE KEY



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DATE	01/17/2025
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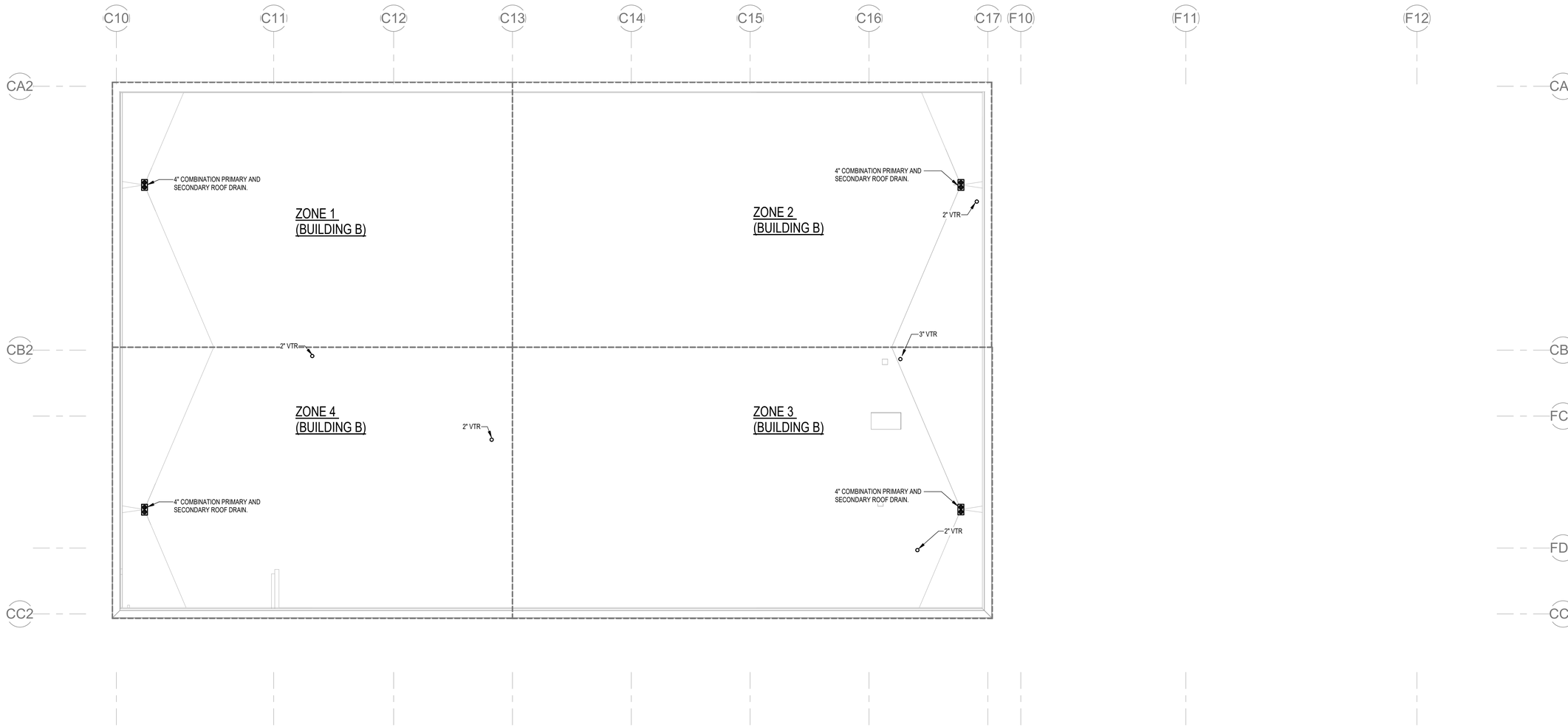
THREE BAY ROOF PLAN - BUILDING A

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1 1/8" = 1'-0" **PLUMBING ROOF PLAN - BUILDING B**

BUILDING A BUILDING B BUILDING C

SITE KEY

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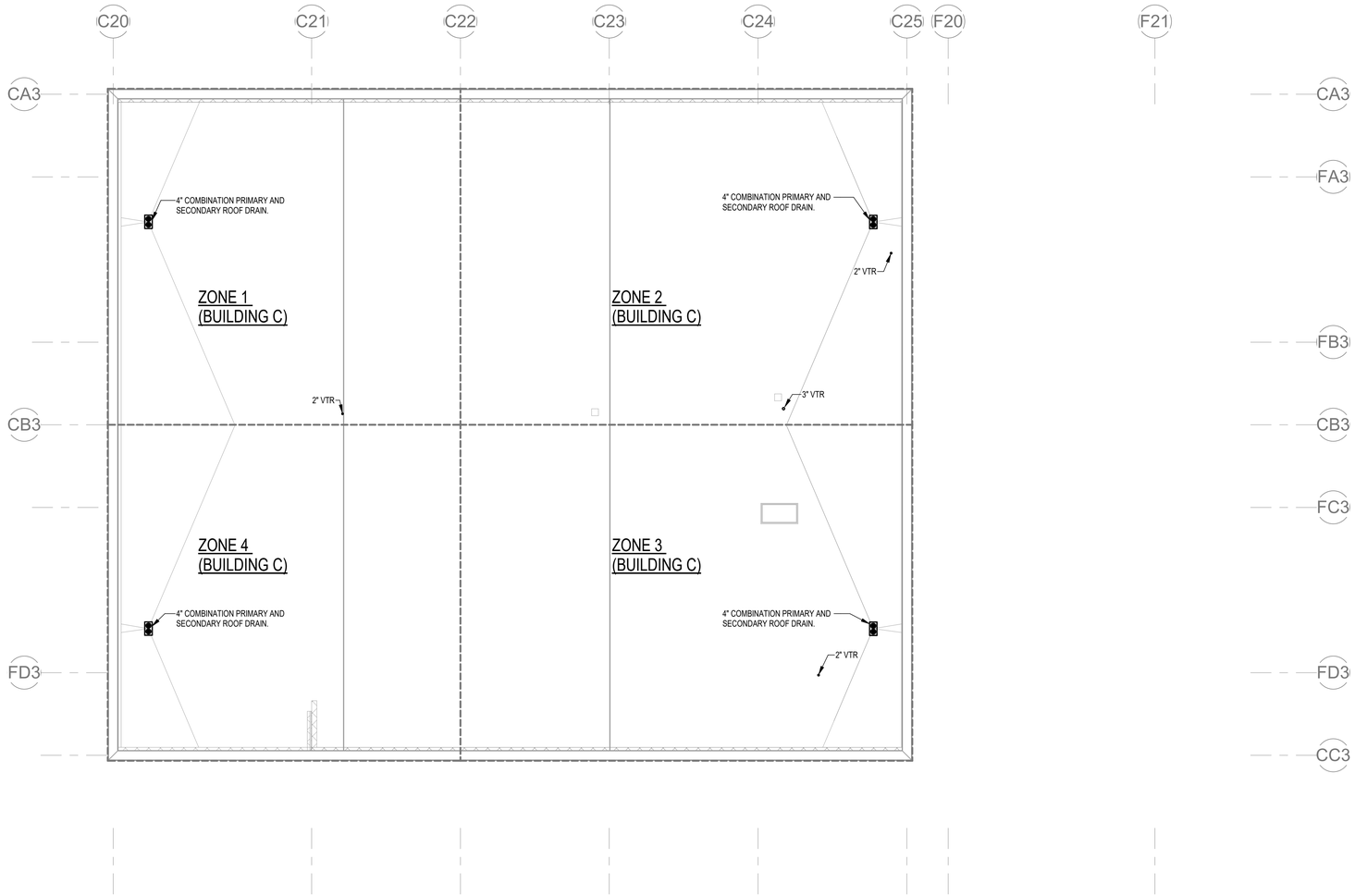
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THREE BAY ROOF PLAN - BUILDING B

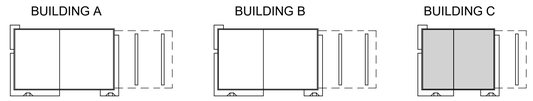
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TWO BAY ROOF PLAN - BUILDING C

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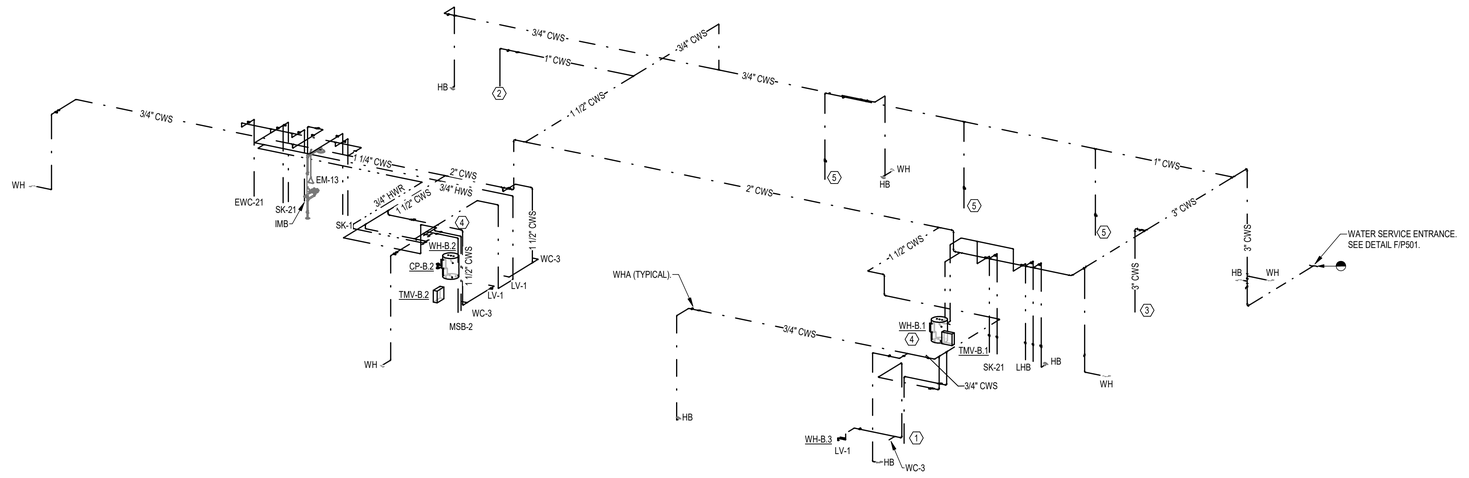
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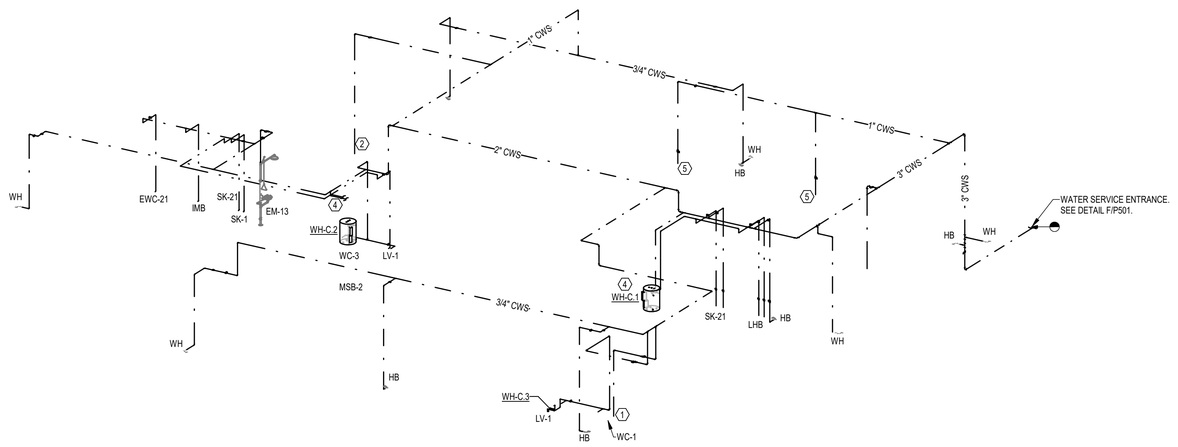
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2 PLUMBING SUPPLY RISER - BUILDING A & B



1 PLUMBING SUPPLY RISER - BUILDINGS C

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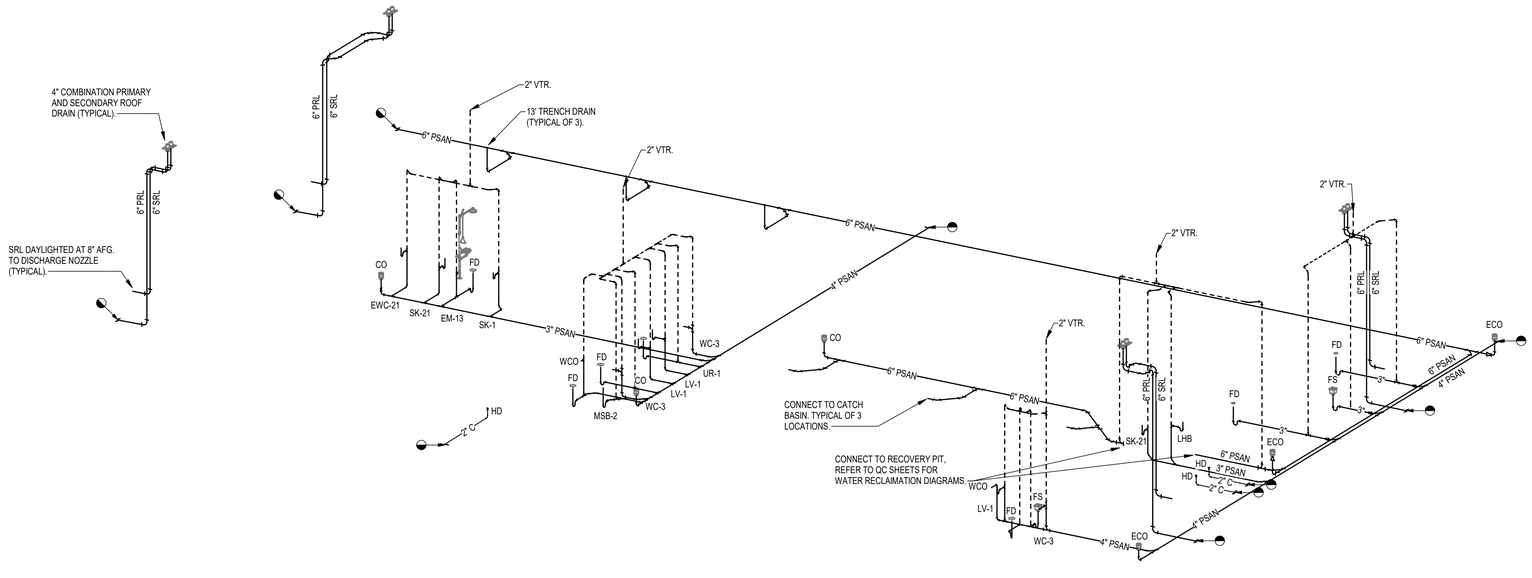
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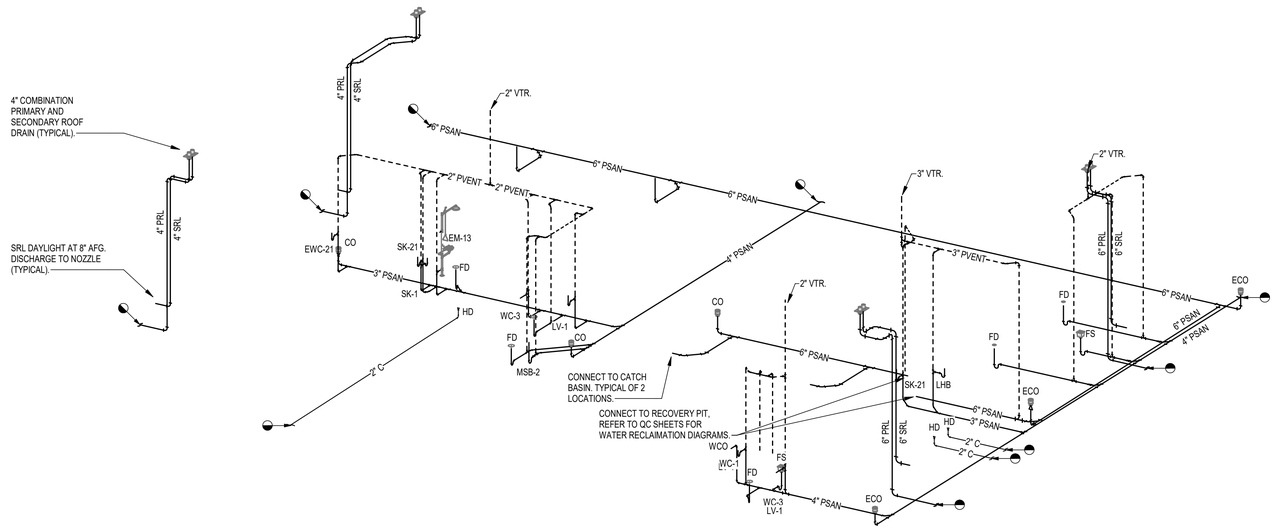
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2 PLUMBING WASTE & VENT RISER - BUILDING A & B



1 PLUMBING WASTE & VENT RISER - BUILDINGS C

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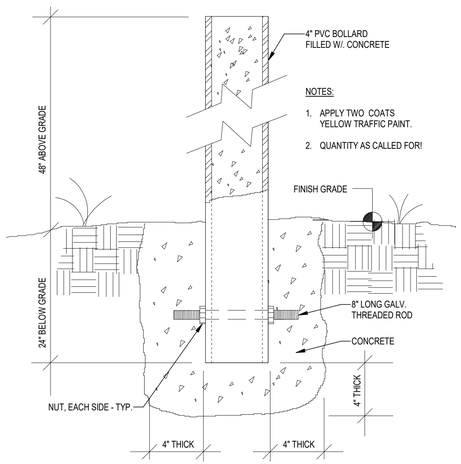
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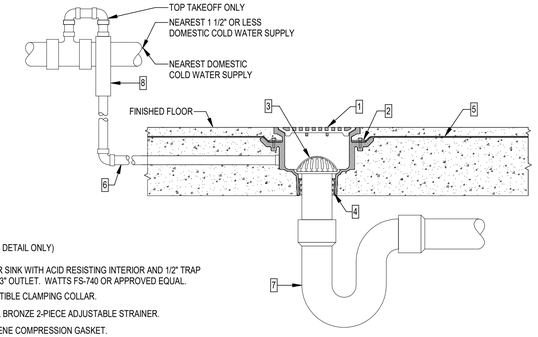
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CITY OF TALLAHASSEE FLORIDA

RISER DIAGRAMS

SHEET NUMBER
P402



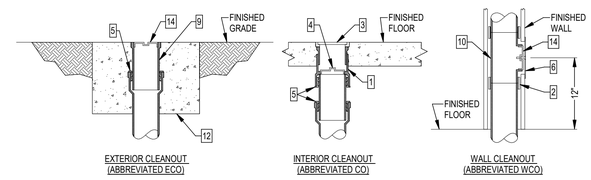
G PROTECTIVE BOLLARD

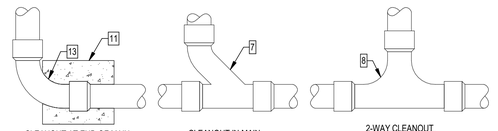


KEY NOTES: (THIS DETAIL ONLY)

1. CAST IRON FLOOR SINK WITH ACID RESISTING INTERIOR AND 1/2" TRAP PRIMER TAP AND 3" OUTLET. WATTS FS-740 OR APPROVED EQUAL.
2. CAST IRON INVERTIBLE CLAMPING COLLAR.
3. POLISHED NICKEL BRONZE 2-PIECE ADJUSTABLE STRAINER.
4. PUSH-ON NEOPRENE COMPRESSION GASKET.
5. WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
6. 1/2" DOMESTIC COLD WATER SUPPLY. CONCEAL IN WALL, ABOVE CEILING OR BELOW FLOOR.
7. 3" DEEP SEAL P-TRAP
8. PRESSURE ACTIVATED TRAP PRIMER VALVE - PRECISION PLUMBING PRODUCTS (P.P.P.) OR APPROVED EQUAL. INSTALL MINIMUM 12" A.F.F. FOR EVERY 20' OF PRIMER LINE. IF DISTRIBUTION UNIT DU-4 IS USED, UP TO FOUR FLOOR DRAINS MAY BE SERVED FROM ONE TRAP PRIMER VALVE. INSTALL IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL FOR SERVICE.

D FLOOR SINK

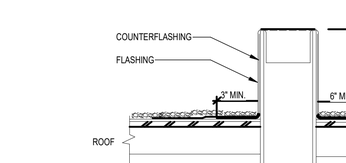




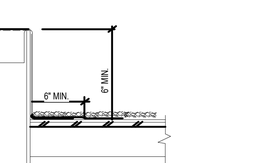
KEY NOTES: (THIS DETAIL ONLY)

CO	CAST IRON 2-PIECE CLEANOUT BODY WITH ADJUSTABLE HEAD.	9	TWO-WAY CLEANOUT FITTING
CO	NO-HUB COUPLING (FOR ABOVE GROUND APPLICATION ONLY).	10	CAST IRON CLEANOUT FERRULE
CO	POLISHED NICKEL BRONZE SCORIATED TOP (PROVIDE CARPET MARKER FOR CARPETED FLOORS).	11	CAST IRON CLEANOUT TEE.
CO	BRONZE TAPERED THREAD, RAISED HEAD CLEANOUT PLUG.	12	12" x 12" x 12" CONCRETE THRUST BLOCK.
CO	PUSH-ON NEOPRENE RUBBER COMPRESSION GASKET.	13	24" x 24" x 24" CONCRETE PAD FLUSH WITH GRADE.
CO	STAINLESS STEEL ROUND WALL ACCESS COVER.	14	LONG SWEEP ELBOW.
CO	COMBINATION WYE AND EIGHTH BEND FITTING.		BRONZE TAPERED THREAD, RECESSED HEAD CLEANOUT PLUG.

A CLEANOUTS



ADJUSTABLE CLEVIS HANGER
TYPE 1 IN SPECIFICATIONS

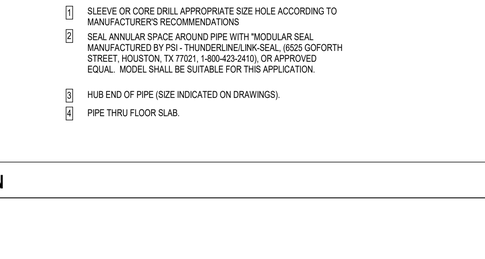


SIDE VIEW

TRAPEZE HANGER FOR UP
TO 1000 LB. UNIFORM LOAD

NOTES:
1. SEE SPECIFICATIONS FOR SPACING OF HANGERS.
2. PROVIDE SPRING ISOLATORS FOR FIRST 3 HANGERS UP TO AND BEYOND EQUIPMENT CONNECTION AND/OR THROUGH OUT MECHANICAL ROOMS OR MEZZANINE AREAS.

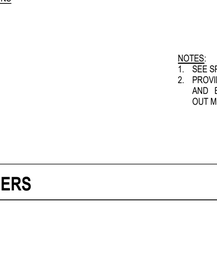
H TYPICAL PIPE HANGERS



KEY NOTES: (THIS DETAIL ONLY)

1. SLEEVE OR CORE DRILL APPROPRIATE SIZE HOLE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS
2. SEAL ANNULAR SPACE AROUND PIPE WITH "MODULAR SEAL MANUFACTURED BY PSI - THUNDERLINE/LINK-SEAL, (6525 GOFORTH STREET, HOUSTON, TX 77021, 1-800-423-2410), OR APPROVED EQUAL. MODEL SHALL BE SUITABLE FOR THIS APPLICATION.
3. HUB END OF PIPE (SIZE INDICATED ON DRAWINGS).
4. PIPE THRU FLOOR SLAB.

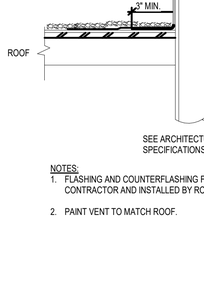
E HUB DRAIN



KEY NOTES (THIS DETAIL ONLY)

1. 4" HIGH OVERFLOW
2. SECURED DUCTILE IRON DOME
3. FLASHING CLAMP
4. PRIMARY OUTLET
5. WATERPROOF MEMBRANE (SEE ARCH. PLANS)
6. INSULATION
7. CONCRETE ROOF DECK
8. STEEL ROOF PAN
9. DECK CLAMP
10. PUSH-ON NEOPRENE COMPRESSION GASKET

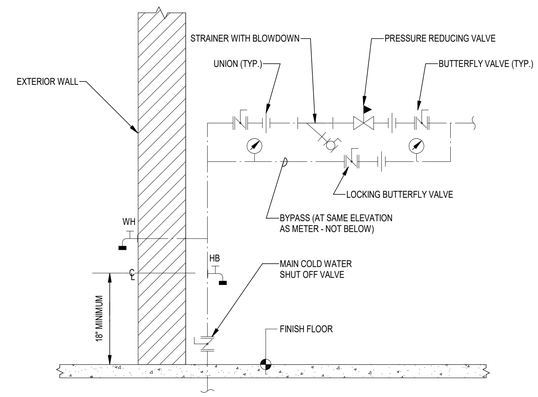
B COMBINATION ROOF DRAIN DETAIL



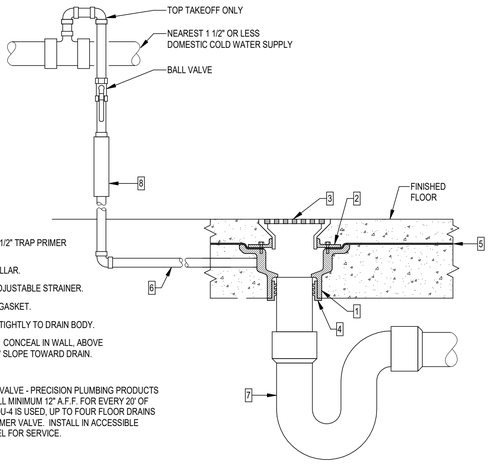
SEE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ROOF TYPE

NOTES:
1. FLASHING AND COUNTERFLASHING FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY ROOFING CONTRACTOR.
2. PAINT VENT TO MATCH ROOF.

J VENT THRU ROOF



F WATER SERVICE ENTRANCE



KEY NOTES: (THIS DETAIL ONLY)

1. CAST IRON FLOOR DRAIN BODY WITH 1/2" TRAP PRIMER TAP AND 3" OUTLET.
2. CAST IRON INVERTIBLE CLAMPING COLLAR.
3. POLISHED NICKEL BRONZE 2-PIECE ADJUSTABLE STRAINER.
4. PUSH-ON NEOPRENE COMPRESSION GASKET.
5. WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
6. 1/2" DOMESTIC COLD WATER SUPPLY. CONCEAL IN WALL, ABOVE CEILING OR BELOW FLOOR. PITCH 1/4" SLOPE TOWARD DRAIN.
7. 3" DEEP SEAL P-TRAP
8. PRESSURE ACTIVATED TRAP PRIMER VALVE - PRECISION PLUMBING PRODUCTS (P.P.P.) OR APPROVED EQUAL. INSTALL MINIMUM 12" A.F.F. FOR EVERY 20' OF PRIMER LINE. IF DISTRIBUTION UNIT DU-4 IS USED, UP TO FOUR FLOOR DRAINS MAY BE SERVED FROM ONE TRAP PRIMER VALVE. INSTALL IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL FOR SERVICE.

C FLOOR DRAIN

No.	REVISIONS	DATE	BY

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FL LICENSE NUMBER
#73938

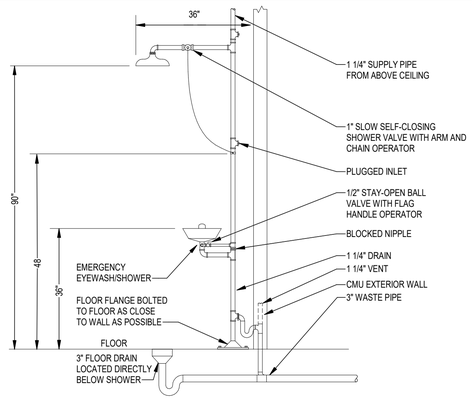
PROJECT NUMBER	144124059
DATE	01/17/2025
	1/8" = 1'-0"
DESIGNED BY	RDR
DRAWN BY	SPD
CHECKED BY	STC

DETAILS

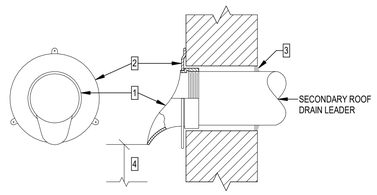
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PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
P501

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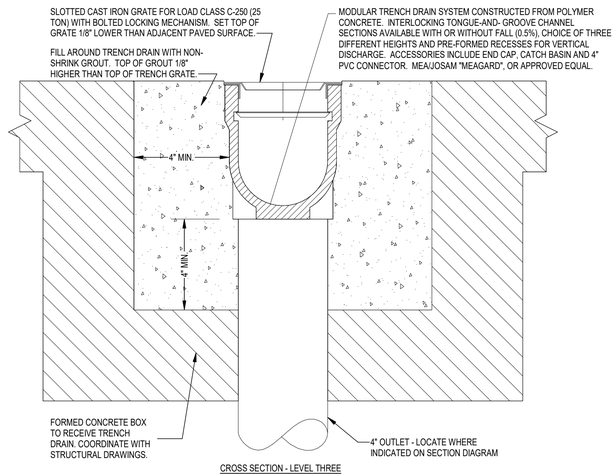
D EMERGENCY EYEWASH/SHOWER



KEY NOTES: (THIS DETAIL ONLY)

1. DOWNSPOUT NOZZLE WITH CAST BRONZE BODY AND WALL FLANGE, NPT THREADS: J.R. SMITH FIGURE 1770T, OR APPROVED EQUAL.
2. WALL FLANGE SECURED TO WALL WITH STAINLESS STEEL ANCHOR BOLTS AND EXPANSION SLEEVES.
3. SEAL AROUND PIPE AT WALL PENETRATION.
4. DISCHARGE MINIMUM 12" ABOVE EXTERIOR GRADE.

E DOWNSPOUT NOZZLE



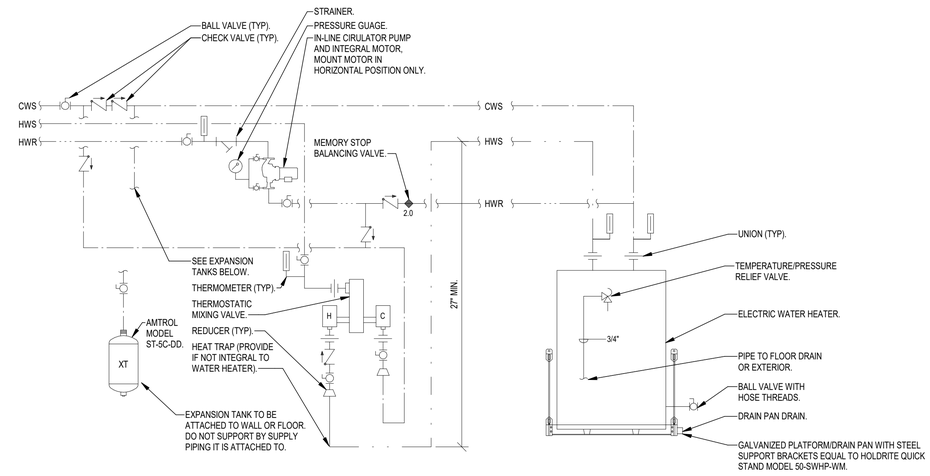
CROSS SECTION - LEVEL THREE



SECTION DIAGRAM "A"

NOTE:
1. CONTRACTOR SHALL FURNISH APPROVED SHOP DRAWINGS AND COMPLETE INSTALLATION INSTRUCTIONS TO ENGINEER FOR APPROVAL BEFORE ORDERING ANY ANY MATERIALS.
2. PART NUMBERS PER JOSAM MEADRAIN SUPREME, MODEL EN1000 OR APPROVED EQUAL.

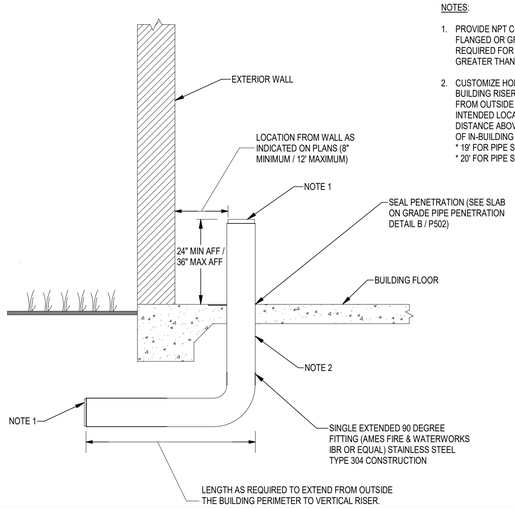
F TRENCH DRAIN



NOTES:
1. SEE FLOOR PLANS FOR PIPE SIZES.
2. COLD AND HOT WATER PIPE SIZES TO TMV SHALL BE SAME SIZE AS COLD WATER PIPE SIZE TO WATER HEATER.
3. PROVIDE 3-POLE CONTACTOR IN POWER SUPPLY TO SHUT OFF POWER BY MEANS OF AQUASTAT.
4. PROVIDE HEAT TRAPS ON COLD WATER INLET AND HOT WATER OUTLET OF WATER HEATER.
5. PIPE T&P RELIEF VALVE FULL SIZE TO FLOOR DRAIN.
6. PIPE DRAIN VALVE FULL SIZE TO FLOOR DRAIN OR EXTERIOR.

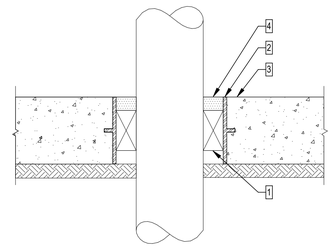
SHELF MOUNTED ELECTRIC WATER HEATER

A DOMESTIC HOT WATER SYSTEM



NOTES:
1. PROVIDE NPT CONNECTION FOR 2" PIPES. PROVIDE FLANGED OR GROOVED END CONNECTIONS (AS REQUIRED FOR APPLICATION) FOR PIPES SIZES GREATER THAN 2".
2. CUSTOMIZE HORIZONTAL AND VERTICAL LENGTHS OF IN-BUILDING RISER TO ACHIEVE REQUIRED DISTANCES FROM OUTSIDE BUILDING PERIMETER WALL TO THE INTENDED LOCATION WITHIN THE BUILDING AND DISTANCE ABOVE FLOOR. MAXIMUM OVERALL LENGTH OF IN-BUILDING RISER:
   * 19' FOR PIPE SIZES 2"- 3"
   * 20' FOR PIPE SIZES 4" - 12

C SINGLE PIECE IN-BUILDING RISER



KEY NOTES: (THIS DETAIL ONLY)

1. SEAL ANNULAR SPACE AROUND PIPE WITH MODULAR SLEEVE SEAL SYSTEM. MODEL SHALL BE SUITABLE FOR THIS APPLICATION.
2. SLEEVE OR CORE DRILL APPROPRIATE SIZE HOLE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. FLOOR SLAB ON GRADE.
4. COMPLETELY FILL SPACE WITH SEALANT SUITABLE FOR THIS APPLICATION.

B SLAB ON GRADE PIPE PENETRATION

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QUICK - TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE
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SHEET NUMBER
P502

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COMMISSIONING NOTES

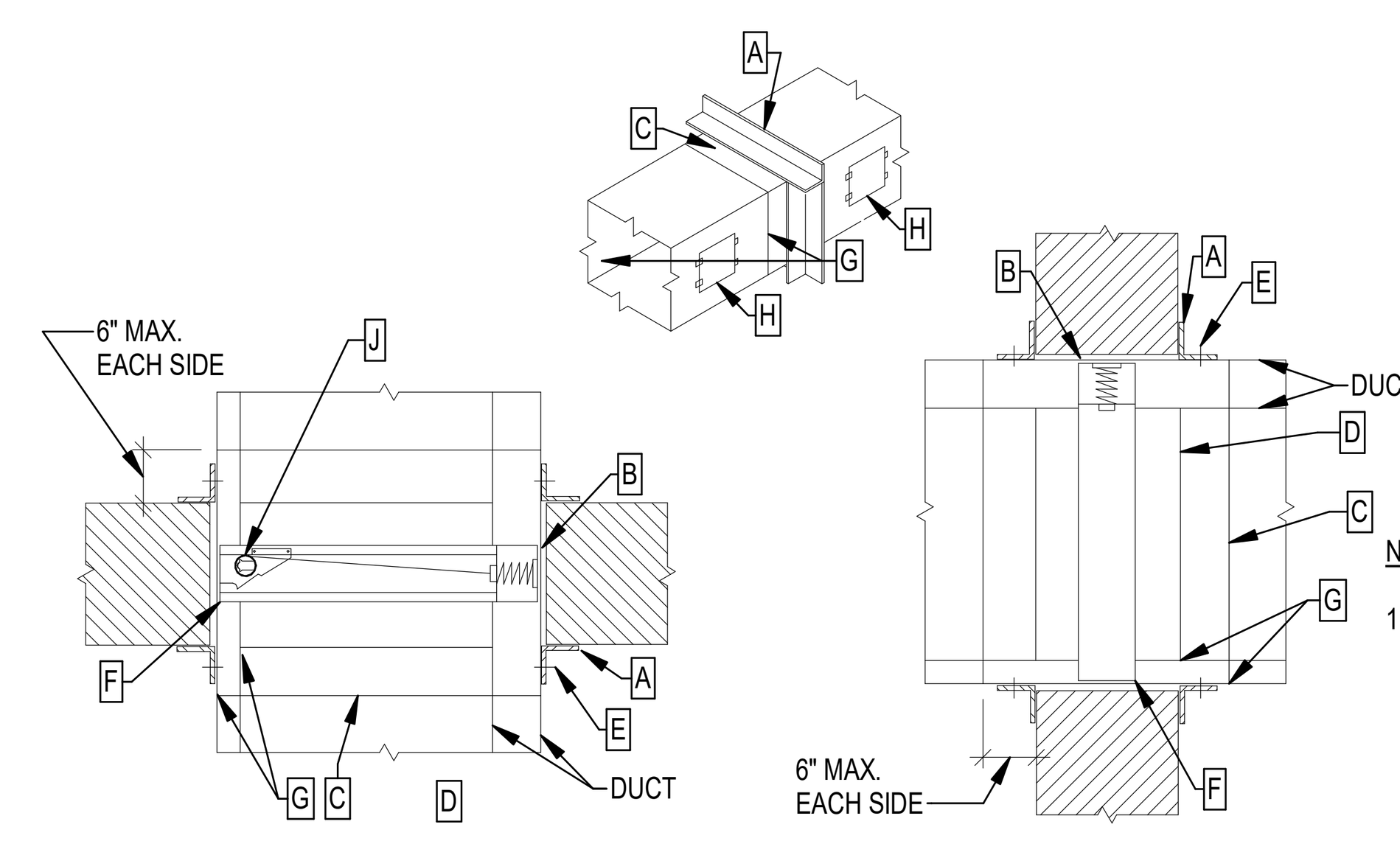
1. THE BUILDING MECHANICAL SYSTEMS SHALL BE COMMISSIONED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE – ENERGY CONSERVATION, SECTION C408 "SYSTEMS COMMISSIONING".
2. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR PROVIDING THE SERVICES OF AN APPROVED COMMISSIONING PROVIDER FROM ONE OF THE FOLLOWING PROVIDERS:
   a. H2ENGINEERING
   b. MOSES ENGINEERING
   c. MITCHELL GULLEDGE ENGINEERING
3. MECHANICAL SYSTEM TESTING SHALL ENSURE THAT COMPONENTS, EQUIPMENT, SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS ARE CALIBRATED, ADJUSTED, AND OPERATE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. TESTING SHALL INCLUDE ALL MODES AND SEQUENCES OF OPERATION, INCLUDING UNDER FULL-LOAD, PART-LOAD, AND EMERGENCY CONDITIONS.
4. A COMMISSIONING PLAN SHALL BE DEVELOPED BY THE COMMISSIONING PROVIDER AND SHALL INCLUDE THE FOLLOWING ITEMS: (1) A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING, INCLUDING THE PERSONNEL INTENDED TO ACCOMPLISH EACH OF THE ACTIVITIES; (2) A LISTING OF THE SPECIFIC EQUIPMENT, APPLIANCES, OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED; (3) FUNCTIONS TO BE TESTED, INCLUDING BUT NOT LIMITED TO, CALIBRATIONS AND CONTROLS; (4) CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED, INCLUDING BUT NOT LIMITED TO, AFFIRMING WINTER AND SUMMER DESIGN CONDITIONS AND FULL OUTSIDE AIR CONDITIONS; (5) MEASURABLE CRITERIA FOR PERFORMANCE.
5. PRIOR TO PASSING THE FINAL INSPECTIONS, THE COMMISSIONING PROVIDER SHALL PROVIDE EVIDENCE OF SYSTEMS COMMISSIONING AND COMPLETION. A COMPLETED PRELIMINARY REPORT THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE PROVIDED TO THE OWNER, CERTIFIED BY THE COMMISSIONING PROVIDER. THE REPORT SHALL BE IDENTIFIED AS "PRELIMINARY COMMISSIONING REPORT" AND SHALL IDENTIFY: (1) ITEMIZATION OF DEFICIENCIES FOUND DURING TESTING THAT HAVE NOT BEEN CORRECTED AT THE TIME OF THE REPORT PREPARATION; (2) DEFERRED TESTS THAT CANNOT BE PERFORMED DUE TO CLIMATIC CONDITIONS; AND (3) CLIMATIC CONDITIONS REQUIRED FOR PERFORMANCE OF DEFERRED TESTS. THE PRELIMINARY COMMISSIONING REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL AT THEIR REQUEST.
6. WITHIN 90 DAYS OF CERTIFICATE OF OCCUPANCY, PROVIDE THE FINAL COMMISSIONING REPORT TO OWNER. THE REPORT SHALL BE IDENTIFIED AS "FINAL COMMISSIONING REPORT" AND SHALL INCLUDE (1) RESULTS OF FUNCTIONAL PERFORMANCE TESTS; (2) DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED; (3) FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS, INCLUDING MEASURED CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY. EXCEPTION: DEFERRED TESTS WHICH CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION FOR CLIMATIC CONDITIONS.
7. HVAC, CONTROLS AND TAB CONTRACTORS SHALL ASSIST WITH COMMISSIONING EFFORTS INCLUDING (NOT LIMITED TO) PERFORMING PRE-TESTING OF FUNCTIONAL PERFORMANCE TEST (TEST CRITERIA PROVIDED BY COMMISSIONING AUTHORITY) PRIOR TO COMMISSIONING AUTHORITY PERFORMING FUNCTION PERFORMANCE TEST VERIFICATION WITH AFOREMENTIONED CONTRACTORS.

DELEGATED DESIGN CALCULATION REQUIREMENTS

1. THESE MECHANICAL SYSTEM ENGINEERING DOCUMENTS REPRESENT THE DESIGN INTENT FOR SUPPORTING AND SECURING THE ROOF-MOUNTED EQUIPMENT BASED ON DESIGN CRITERIA BELOW. THE DELEGATED ENGINEER IS RESPONSIBLE FOR PROVIDING A COMPLETE DESIGN. APPROVED BY THE AUTHORITY HAVING JURISDICTION, TO SUPPORT AND SECURE THE ROOF-MOUNTED EQUIPMENT WITHOUT OBSTRUCTING REQUIRED SERVICE CLEARANCES.

2. DESIGN CRITERIA:
   WIND SPEED: [120] MPH.
   RISK CATEGORY: [II].
   WEIGHT: PER APPROVED SUBMITTALS AND SHOP DRAWINGS.
   DEFLECTION LIMITS: PER MANUFACTURER'S REQUIREMENTS IN APPROVED SUBMITTALS AND SHOP DRAWINGS.

3. DELEGATED ENGINEER SHALL PROVIDE SIGNED AND SEALED DATA TO THE ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION INCLUDING THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO:
   1). DETAIL FABRICATION AND ASSEMBLY OF SUPPORT STRUCTURE,
   2). DESIGN CALCULATIONS FOR STATIC AND DYNAMIC LOADING DUE TO EQUIPMENT WEIGHT AND OPERATION AND WIND FORCES REQUIRED TO SELECT WIND RESTRAINT,
   3.). SECUREMENT DETAILS WITH ANCHORAGES AND ATTACHMENTS TO STRUCTURE AND TO SUPPORTED EQUIPMENT.



A RETAINING ANGLES: MINIMUM 1 1/2" x 1 1/2" x 0.054 (16 GAUGE). RETAINING ANGLES MUST LAP STRUCTURAL OPENING 1" MINIMUM AND COVER OPENINGS OF CORNERS. CAULK THE EXTERIOR PERIMETER OF FIRE DAMPER RETAINING ANGLES WITH A THIN FILLET OF AN APPROVED CAULKING MATERIAL TO PREVENT THE PASSAGE OF SMOKE AND ALLOW MOVEMENT OF THE ANGLE.

B CLEARANCE: 1/8" PER LINEAR FOOT IN BOTH DIMENSIONS (SEE NOTE 1 BELOW).

C STEEL SLEEVE: 14 GAUGE, OR AS ALLOWED BY U.L. STANDARD 555.

D APPROVED FIRE DAMPER: CURTAIN OR BLADE TYPE.

E SECURE RETAINING ANGLES TO SLEEVE: ON 8" CENTERS WITH 1/2" LONG WELDS, OR 1/4" BOLTS AND NUTS, OR #10 STEEL SCREWS, OR MINIMUM 3/16" STEEL RIVETS.

F SECURE FIRE DAMPER TO SLEEVE: ON 8" CENTERS WITH 1/2" LONG WELDS, OR 1/4" BOLTS AND NUTS, OR #10 STEEL SCREWS, OR MINIMUM 3/16" STEEL RIVETS.

G CONNECT DUCT TO SLEEVE OR FIRE DAMPER: WITH BREAKAWAY CONNECTION.

H INSTALL HINGED ACCESS DOOR

J NEGATOR CLOSURE SPRING

NOTES:

1. CLEARANCE REQUIREMENTS FOR FIRE DAMPER SLEEVES WITHIN OPENING IS BASED ON 1/8" PER FOOT OF WIDTH (OR HEIGHT) UNLESS OTHERWISE STATED IN THE LISTING OF THE ASSEMBLY. THE SLEEVE MAY REST ON THE BOTTOM OF THE OPENING, AND NEED NOT BE CENTERED. (FRACTIONAL DIMENSIONS SHALL BE TAKEN AS THE NEXT LARGER WHOLE FOOT). EXAMPLE: A 30" x 24" FIRE DAMPER SLEEVE IS INSTALLED IN WALL/FLOOR OPENING. THE OPENING SHALL BE 30 3/8" WIDE (1/8"X 3') BY 24 1/4" HIGH (1/8" x 2').

   THE SLEEVE IS RETAINED IN THE WALL/FLOOR BY THE USE OF STEEL RETAINING ANGLES A. THESE MUST OVERLAP THE EDGE OF THE FRAMING BY A MINIMUM OF ANGLES A. THESE MUST OVERLAP THE EDGES OF THE FRAMING BY A MINIMUM OF ONE (1) INCH OVER AND BEYOND ALL MATERIAL IN THE OPENING. THIS MEANS THAT THE MINIMUM WIDTH OF THE RETAINING ANGLE WOULD BE 1 3/8 ". (GOOD PRACTICE CALLS FOR AN ADDITIONAL SAFETY FACTOR BY MAKING THE ANGLE IN THIS CASE 1 1/2" WIDE.

   THE DIMENSIONS REQUIRED FOR THE OPENING SHALL BE THOSE REMAINING AFTER THE OPENING HAS BEEN FRAMED AND THE FIRE RESISTIVE MATERIALS PROVIDED WERE REQUIRED. THE FIRE RESISTIVE MATERIALS SHALL BE EQUAL TO THE REQUIRE-MENTS FOR FIRE RESISTIVE MATERIALS USED IN THE CONSTRUCTED WALL SO THAT A CONTINUOUS RATING EXISTS AT THE WALL/FLOOR PENETRATION. THE CONTRACTOR ERECTING THE WALL/FLOOR IS RESPONSIBLE FOR PROVIDING THE FIRE RESISTIVE MATERIAL AND CORRECT SIZE OPENINGS TO ACHIEVE THE REQUIRED CLEARANCE.

2. THE FIRE DAMPER MANUFACTURER'S INSTALLATION DETAILS AND INSTRUCTIONS AS TESTED AND APPROVED BY U.L. MUST BE USED IN LIEU OF THE ABOVE DETAILS WHERE APPLICABLE.

1M87.1

A FIRE DAMPER INSTALLATION

AIR DISTRIBUTION

AxB	RECTANGULAR SHEET METAL DUCT
CØ	ROUND SHEET METAL DUCT
	FLEXIBLE RUNOUT DUCT
	ROUND OR RECTANGULAR TAKE-OFF FITTING WITH BALANCING DAMPER - SEE DETAIL A/M501
	SUPPLY AIR DUCTWORK SECTION
	RETURN AIR DUCTWORK SECTION
	EXHAUST AIR DUCTWORK SECTION
	AIR BALANCING DAMPER (MANUAL)
BDD	BACKDRAFT DAMPER
	DUCTWORK FLEXIBLE CONNECTION
	DUCT ELBOW WITH SINGLE THICKNESS TURNING VANES
	SIDEWALL REGISTER AND AIR FLOW (CFM)(SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE)
CFM	SQUARE CEILING SA DIFFUSER AND AIR FLOW (CFM)(SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE) SHADED REGION INDICATED SECTORIZING BAFFLE(S)
CFM	RECTANGULAR CEILING RA REGISTER AND AIR FLOW (CFM)(SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE) WHERE CFM IS NOT INDICATED, PROVIDE STANDARD SIZE FOR CEILING TYPE INDICATED IN SCHEDULE. SEE DETAIL E/M501
CFM	RECTANGULAR CEILING EA REGISTER AND AIR FLOW (CFM)(SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE) SEE DETAIL E/M501
	NEW DUCT
	DOOR GRILLE (24"x16", UNO) EQUIVALENT TO AIR LOUVERS MODEL 1500AHR WITH STAINLESS STEEL BIRDSCREEN AND COLOR BY ARCHITECT.

PIPING AND FITTINGS

C	CONDENSATE DRAIN PIPING FROM COOLING COIL
G	GAS PIPING
REF	REFRIGERANT PIPING (ONE LINE REPRESENTS BOTH LIQUID AND GAS LINES)

MEASUREMENTS AND CONTROLS

T	THERMOSTAT/TEMPERATURE SENSOR

VENTILATION RATE

	EXHAUST	OUTSIDE AIR	
TYPE OF SPACE	CFM/FT^2	CFM/PERSON	CFM/FT^2
BREAK ROOMS	-	5	0.06
CORRIDOR	-	0	0.06
ELECTRICAL ROOM	-	0	0.06
JANITOR/TRASH	1.0	-	-
OFFICE SPACE	-	5	0.06
PARKING GARAGE	0.75	-	-
SOILED LAUNDRY	-	-	-
TOILET - PUBLIC	50/70	-	-
TOILET - PRIVATE	25/50	-	-
TRANSPORTATION WAITING	-	7.5	0.06

NOTES:
1. VENTILATION RATES FOR SPACES WITH INTERMITTENT OCCUPANCY (PEAK OCCUPANCY LESS THAN THREE HOURS) HAVE BEEN REDUCED ON AVERAGE OCCUPANCY DURING THE OCCUPIED PERIOD, BUT NOT LESS THAN HALF OF THAT REQUIRED DURING PEAK OCCUPANCY.
2. VENTILATION RATES CALCULATED PER REQUIREMENTS OF FLORIDA BUILDING CODE 2017.
3. EXHAUST RATE IS PER WATER CLOSET AND/OR URINAL. HIGHER RATE IS FOR HIGHER USE FACILITIES.

BUILDING PRESSURIZATION - BUILDING A

OUTSIDE AIR SOURCE	CFM	EXHAUST SOURCE	CFM
RTU-A.1	310	EF-A.1	230
TOTAL	310	TOTAL	230
BUILDING PRESSURIZATION			80 (+)

BUILDING PRESSURIZATION - BUILDING B

OUTSIDE AIR SOURCE	CFM	EXHAUST SOURCE	CFM
RTU-B.1	420	EF-B.1	300
TOTAL	420	TOTAL	300
BUILDING PRESSURIZATION			120 (+)

BUILDING PRESSURIZATION - BUILDING C

OUTSIDE AIR SOURCE	CFM	EXHAUST SOURCE	CFM
RTU-C.1	280	EF-C.1	200
TOTAL	280	TOTAL	200
BUILDING PRESSURIZATION			80 (+)

HVAC NOTES

1. INSTALL DUCTWORK, PIPING, ETC. AS HIGH AS POSSIBLE ABOVE CEILING WHILE MAINTAINING ACCESSIBILITY FOR EQUIPMENT AND DEVICES AS APPROPRIATE.
2. COORDINATE LOCATION OF ALL EQUIPMENT, DUCTWORK AND PIPING INSTALLATIONS WITH ELECTRICAL TO PROVIDE THE REQUIRED CLEARANCES AROUND ALL ELECTRICAL PANELS, SWITCHGEAR, ETC.
3. INSTALLATION OF EQUIPMENT, DUCTWORK AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR REMOVAL OF FILTERS AND FOR MAINTENANCE.
4. DUCT SIZES GIVEN ARE SHEET METAL SIZES.
5. COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION EQUIPMENT WITH THE CEILING AND THE LIGHTING LAYOUT.
6. THE RETURN AIR FROM INDIVIDUAL ROOMS IS THRU AN ABOVE-CEILING RETURN AIR PLENUM.
7. THE CEILING DIFFUSERS SHALL BE 4-WAY THROW UNLESS OTHERWISE NOTED.
8. PROVIDE NEW AIR FILTERS IN EACH UNIT REQUIRING FILTERS WHEN THE PROJECT IS READY FOR TEST AND BALANCE. DO NOT OPERATE UNITS WITHOUT FILTERS DURING CONSTRUCTION. REPLACE FILTERS DURING CONSTRUCTION ACCORDING TO FILTER MANUFACTURER'S RECOMMENDATIONS. SEAL ALL OPEN ENDS OF DUCT WORK DURING CONSTRUCTION.
9. WHEREVER THE DEPTH OF THE TRUNK DUCT IS LESS THAN THE ROUND RUNOUT DUCT DIAMETER, PROVIDE TRANSITION FITTING OF EQUIVALENT AREA TO THE RUNOUT DUCT.
10. WHERE ROUND DUCT IS INDICATED ON PLANS, USE SPIRAL WOUND DUCTWORK. "SNAPLOCK" DUCTWORK IS NOT ACCEPTABLE.
11. PROVIDE FLEXIBLE DUCT CONNECTIONS AT EACH EQUIPMENT CONNECTION.
12. OUTSIDE AIR INTAKES SHALL NOT BE LOCATED ANY CLOSER THAN 15 FEET FROM ANY EXHAUST OUTLET OR PLUMBING VENT TERMINAL.
13. IT IS RECOMMENDED THAT DUCTWORK BE FABRICATED FROM FIELD MEASUREMENTS TAKEN AS THE BUILDING STRUCTURE AND SPACE COMPETING SYSTEMS ARE PROGRESSIVELY INSTALLED. THE DUCTWORK AS SHOWN ON THE CONSTRUCTION DOCUMENTS IS DIAGRAMMATIC AND DOES NOT NECESSARILY INCLUDE ALL MODIFICATIONS REQUIRED TO AVOID THESE INTERFERENCES. BEFORE FABRICATING ANY DUCTWORK, CHECK THE PHYSICAL CONDITIONS AT THE JOB SITE AND MAKE CHANGES IN CROSS SECTIONS, ROUTING, OFFSETS AND SIMILAR ITEMS WHETHER SPECIFICALLY INDICATED OR NOT. VERIFY THAT SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING DUCTWORK, PIPING, LIGHT FIXTURES, CEILING SYSTEMS AND TO PROVIDE EQUIPMENT SERVICE. COSTS REQUIRED TO CHANGE DUCTWORK TO FIT THE SPACE AVAILABLE AND AVOID INTERFERENCES CAUSED BY SPACE COMPETING SYSTEMS SHALL BE BORNE BY THE CONTRACTOR. NO ADDITIONAL REMUNERATION WILL BE PAID BY THE OWNER.
14. APPLY EXTERNAL INSULATION TO SINGLE WALL SUPPLY DUCTS, RETURN DUCTS AND OUTSIDE AIR DUCTS PER SPECIFICATIONS. DOUBLE WALL DUCTS AND DUCTS INDICATED ON PLANS TO HAVE INTERNAL DUCT LINER SHALL NOT RECEIVE EXTERNAL INSULATION.
15. PROVIDE VOLUME CONTROL DAMPERS IN SIDE TAKE-OFF FITTINGS TO SUPPLY AIR DIFFUSERS AND EXHAUST AIR AND RETURN AIR GRILLES AND AT EACH DUCT BRANCH SERVING TWO OR MORE AIR TERMINALS, WHETHER SHOWN ON THE DRAWINGS OR NOT.
16. MINIMUM PIPE SIZE FOR COOLING COIL CONDENSATE SHALL BE 3/4". REFER TO SCHEDULE FOR RUNOUT PIPE SIZE TO INDIVIDUAL EQUIPMENT.
17. SECTIONS OF PIPE STORED ON SITE SHALL HAVE EACH OPEN END COVERED AT ALL TIMES EXCEPT WHILE MAKING CONNECTIONS. IF DEBRIS IS FOUND INSIDE PIPE, IT SHALL BE COMPLETELY REMOVED PRIOR TO ASSEMBLY.
18. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A DAMPER OR OTHER DEVICE REQUIRING SERVICE IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
19. COORDINATE LOUVER AND DEVICE LOCATIONS WITH WALL STRUCTURAL REINFORCEMENT. SEE STRUCTURAL DRAWINGS FOR LOCATION OF LINTELS, BOND BEAMS AND REINFORCING.
20. COORDINATE ALL DUCT TEST WITNESSING WITH LOCAL MECHANICAL INSPECTOR.
21. PRIOR TO FINAL INSPECTION, PROVIDE CERTIFIED TEST & BALANCE REPORT AND OPERATIONS & MAINTENANCE MANUALS TO THE OWNER.
22. DUCT CONSTRUCTION, INCLUDING SHEET METAL THICKNESSES, SEAM AND JOINT CONSTRUCTION, REINFORCEMENTS, AND HANGERS AND SUPPORTS, SHALL COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE DUCT."

CEILING RETURN OR EXHAUST REGISTERS & GRILLES

SYMBOL	CFM	GRILLE SIZE	RUNOUT DUCT (NOTE 2)
	0-95	8x8 (NOTE 1)	6x6
	100-195	10x10 (NOTE 1)	8x8
	200-295	12x12 (NOTE 1)	10x8
OR	300-595	18x18 (NOTE 1)	12x12
	600-695	22x22 (NOTE 1)	12x12
	700-795	24x24 (NOTE 1)	14x12

NOTES:
1. USE 22x22 GRILLE SIZE FOR ALL LAY-IN CEILING APPLICATIONS. USE SIZE INDICATED FOR HARD CEILING APPLICATIONS.
2. WHERE DUCT CONNECTION IS SHOWN, RUNOUT DUCT SHALL BE SIZE SHOWN IN SCHEDULE U.N.O.
3. USE 18x18 GRILLE SIZE AND 12x12 RUNOUT DUCT FOR HARD CEILING APPLICATIONS WHERE SIZE OR AIRFLOW IS NOT INDICATED.
4. USE 12x12 RUN OUT DUCT FOR LAY-IN CEILING APPLICATIONS WHERE AIRFLOW IS NOT INDICATED.

CEILING SUPPLY DIFFUSERS

SYMBOL	CFM	NECK SIZE	MINIMUM - MAXIMUM 1/2 SPACING	FACE DIMENSION HARD CEILING	FACE DIMENSION LAY-IN CEILING
	40-80	6"Ø	4' - 5'	12x12	24x24
	85-180	8"Ø	4' - 8'	12x12	24x24
	185-340	10"Ø	8' - 10'	24x24	24x24
	345-500	12"Ø	9' - 10'	24x24	24x24

NOTE:
1. RUNOUT DUCTS TO DIFFUSERS SHALL BE THE SAME SIZE AS THE INDICATED NECK SIZE.

SIDEWALL REGISTERS AND GRILLES

CFM	SUPPLY AIR REGISTER SIZE	SUPPLY AIR RUNOUT DUCT	RETURN AIR OR EXHAUST AIR REGISTER SIZE	RETURN AIR OR EXHAUST AIR RUNOUT DUCT
0-95	8x6	8x6	8x6	8x6
100-195	10x6	10x6	10x6	10x6
200-295	12x6	12x6	18x6	18x6
300-395	16x6	16x6	24x6	24x6
400-495	18x8	18x8	30x8	30x8

DESIGN CONDITIONS

OUTDOORS			
	SUMMER TEMPERATURES	°Fdb-°Fwb	95-78
	DEHUMIDIFICATION	°Fdb-°Fwb	88-79
	WINTER TEMPERATURE	°Fdb	25
INDOORS			
	OCCUPANCY USAGE		ALL
	SUMMER TEMPERATURES	°Fdb-°Fwb	75-63
	WINTER TEMPERATURE	°Fdb	70

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS.
2. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES.
6. WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7. ERECT AND MAINTAIN REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8. COORDINATE AND SEQUENCE CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EQUIPMENT AND MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKERBOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
16. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
17. ROOF MOUNTED EQUIPMENT SHALL BE SECURED TO STRUCTURE TO RESIST A 120 MPH WIND LOAD.
18. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
19. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
20. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. ASHRAE
   a. STANDARD 15 — SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019
   b. STANDARD 55 — THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017
   c. STANDARD 62.1 — VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019
   d. STANDARD 90.1 — ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
2. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).
3. FLORIDA BUILDING CODE, 2023 8th EDITION
   a. BUILDING CODE
   b. ENERGY CONSERVATION CODE
   c. MECHANICAL CODE
   d. PLUMBING CODE
   e. FUEL GAS CODE
   f. ACCESSIBILITY CODE
4. FLORIDA STATUTES
   a. CHAPTER 471 — ENGINEERING
   b. CHAPTER 533.80 — BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
5. FLORIDA ADMINISTRATIVE CODE
   a. CHAPTER 61G15-34 — RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
   b. CHAPTER 9B-7 — FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHAP	AS HIGH AS POSSIBLE
AHU	AIR HANDLING UNIT
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
C	CONDENSATE
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
DG	DOOR GRILLE (24"x16", UNO)
DN	DOWN
DSSI	DUCTLESS SPLIT SYSTEM INDOOR UNIT
DSSO	DUCTLESS SPLIT SYSTEM OUTDOOR UNIT
EA	EXHAUST AIR
EAG	EXHAUST AIR GRILLE
EF	EXHAUST FAN
°Fdb	DEGREES FAHRENHEIT DRY BULB
°Fwb	DEGREES FAHRENHEIT WET BULB
F	FEET
FPM	FEET PER MINUTE
HP	HORSEPOWER
IN	INCHES
MCA	MINIMUM CIRCUIT AMPACITY
MOCP	MAXIMUM OVERLOAD PROTECTION
N/A	NOT APPLICABLE
OA	OUTSIDE AIR
PT	PRESSURE TREATED
RA	RETURN AIR
RAG	RETURN AIR GRILLE
REF	REFRIGERANT
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SMS	SHEET METAL SIZE
SP	STATIC PRESSURE
TYP	TYPICAL
UC	DOOR UNDERCUT (3/4", UNO)
UNO	UNLESS NOTED OTHERWISE
WG	WATER GAUGE

DRAWING INDEX

M001	GENERAL NOTES, LEGENDS & SCHEDULES
M002	SCHEDULES
M003	SCHEDULES
M101	THREE BAY FLOOR PLAN - BUILDING A
M102	THREE BAY FLOOR PLAN - BUILDING B
M103	TWO BAY FLOOR PLAN - BUILDING C
M201	THREE BAY ROOF PLAN - BUILDING A
M202	THREE BAY ROOF PLAN - BUILDING B
M203	TWO BAY ROOF PLAN - BUILDING C
M301	SECTIONS
M501	DETAILS
M502	DETAILS
M701	CONTROLS

REVISIONS		
No:	DATE	BY

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LICENSED PROFESSIONAL
Scott T. Craig Jr., P.E.
FL LICENSE NUMBER
#73938

PROJECT NUMBER	144124059
DATE	01/17/2025
	1/8" = 1'-0"
DESIGNED BY	RDR
DRAWN BY	MAW
CHECKED BY	STC

GENERAL NOTES, LEGENDS & SCHEDULES

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
M001

1/16/2025 11:08:29 AM Autodesk Docs://TLH QTA Buildings/TLH QTA Building_MEP-H2E_2024.rvt
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FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	
METAL PIPES OR CONDUIT (1000-1999)	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-S SIL GG, CFS-D, MINERAL WOOL
	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	
NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL, CP 644, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, CP 648
	2	F-A 2053, F-A 2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	
SINGLE OR BUNDLED CABLES (3000-3999)	1	F-A-3007, C-AJ-3095, C-AJ-3180, C-AJ-3283	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	CP 680, CP 653, FS-ONE MAX, CP 618, CP 606, CFS-D, CFS-CC
	2	F-A-3007, C-AJ-3095, C-AJ-3334, F-A-3060	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167, W-J-3189	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	
INSULATED PIPES (5000-5999)	1	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090, C-AJ-5048	C-AJ-5090, C-AJ-5091, C-AJ 5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	CP 680, FS-ONE MAX, MINERAL WOOL
	2	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090	C-AJ-5090, C-AJ-5091, C-AJ-5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	
MECHANICAL DUCTWORK WITHOUT DAMPERS (NON-INSULATED) (7000-7999)	1	C-AJ-7046, C-AJ-7051, C-AJ-7084	C-AJ-7046, C-AJ-7051, W-J-7021, W-J-7022	W-L-7017, W-L-7040, W-L-7042, W-L-7155	CFS-S SIL GG, CP 606, FS-ONE MAX
	2	C-AJ-7046, C-AJ-7051, C-AJ-7085	C-AJ-7046, C-AJ-7051, W-J-7021, W-J-7022	W-L-7040, W-L-7042, W-L-7155	
MECHANICAL DUCTWORK WITHOUT DAMPERS (INSULATED) (7000-7999)	1	N/A**	W-J-7029, W-J-7124	W-L-7059, W-L-7153, W-L-7156, W-L-7151	FS-ONE MAX, MINERAL WOOL
	2	N/A**	W-J-7091, W-J-7112, W-J-7124	W-L-7059, W-L-7153, W-L-7156, W-L-7151	
MIXED PENETRANTS (8000-8999)	1	C-AJ-8099, C-AJ-8056, C-AJ-8143	C-AJ-8099, C-AJ-8056, W-J-8007, C-AJ-8143	W-L-1095, W-L-8013	FS-ONE MAX, CFS-BL, CP 620, CP 618
	2	C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143, C-AJ-8252	W-L-1095, W-L-8013	

NOTES:

1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURES: HILTI, RECTORSEAL, 3M, STL.

FANS SCHEDULE

DESIGNATION			EF-A.1,B.1	EF-C.1	EF-C.2,C.7	EF-A.2, A.8, B.2, B.8	EF-A.3, B.3, C.3	EF-A.4, B.4, C.4	EF-A.5, B.5, C.5	EF-A.6, B.6, C.6	EF-A.7, B.7	F-A.1, 2, 3; F-B.1, 2, 3; F-C.1,2
	SERVICE		CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 TRANSFER
	MOUNTING METHOD		ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	ROOF	CEILING	ROOF	WALL
	FAN TYPE		CENTRIFUGAL UPBLAST	CENTRIFUGAL UPBLAST	CENTRIFUGAL UPBLAST	CENTRIFUGAL UPBLAST	CENTRIFUGAL UPBLAST	CENTRIFUGAL UPBLAST	CENTRIFUGAL UPBLAST	CENTRIFUGAL CABINET	CENTRIFUGAL UPBLAST	PROPELLER
	AIR FLOW	CFM	230	110	2,400	3,500	3,400	2,430	1,000	150	1,660	N/A
	STATIC PRESSURE	IN.	0.3	0.3	0.5	0.5	0.3	0.3	0.5	0.3	0.3	N/A
	FAN SPEED	RPM	1,545	1,342	1,170	620	1,140	434	1,073	1,400	756	1,296
	FAN DRIVE		DIRECT	DIRECT	DIRECT	BELT	DIRECT	BELT	DIRECT	DIRECT	BELT	DIRECT
	MOTOR SPEED	RPM	1,725	1,725	1,200	1,725	931	931	1,000	--	1,391	1,725
	MOTOR POWER	HP or W	1/15 HP	1/15 HP	1 HP	3/4 HP	1/2 HP	1/4 HP	1/4 HP	47 W	1/4 HP	1/3 HP
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1	120 / 1	208 / 3	208 / 3	208 / 3	120 / 1	120 / 1	120 / 1	120 / 1	120 / 1
	WEIGHT	LBS.	38	38	102	130	116	117	61	17	68	32
	NOISE LEVEL		2.4 SONES	2.4 SONES	11.1 SONES	9.6 SONES	7.4 SONES	5.7 SONES	6.3 SONES	1.5 SONES	8.1 SONES	8.3 SONES
	NOTES		1, 2, 3, 4, 7, 9, 39	1, 2, 3, 4, 7, 39	1, 2, 3, 4, 7, 39	1, 2, 3, 4, 7, 9, 39	1, 2, 3, 4, 7, 39	1, 3, 4, 6, 7, 9, 40	1, 2, 3, 4, 7, 40	1, 2, 4, 11, 20, 21	1, 2, 3, 4, 7, 9, 40	37, 38
MANUFACTURER			GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	BIG ASS
MODEL NUMBER			CUE-070-VG	CUE-070-VG	CUE-180-VG	CUBE 220	CUBE-180	CUBE-240	CUE-140-VG	SP-A190	CUBE-160	AIR EYE
DETAIL REFERENCE			C/M501	C/M501	C/M501	C/M501	C/M501	C/M501	C/M501	B/M501	C/M501	1,2,3/M301

NOTES:

1 PROVIDE PRE-WIRED DISCONNECT SWITCH, FACTORY MOUNTED FOR 3/4 HP MOTOR AND LOWER. ELECTRICAL TO PROVIDE DISCONNECT SWITCH FOR 1 HP MOTOR AND LARGER.
2 PROVIDE SOLID STATE SPEED CONTROLLER, FACTORY MOUNTED.
3 PROVIDE BIRD SCREEN.
4 PROVIDE BACKDRAFT DAMPER, GRAVITY OPERATED.
7 PROVIDE PRE-FABRICATED INSULATED ROOF CURB, 12-INCH HIGH WITH DAMPER TRAY, SLOPED TO MATCH ROOF SLOPE.
9 PROVIDE TIE-DOWN EYELETS.
11 PROVIDE RUBBER-IN-SHEAR ISOLATORS.
20 PROVIDE WHITE, ALUMINUM INLET GRILLE.
21 PROVIDE TIME DELAY SWITCH, INSTANT ON WITH LIGHTS AND 10-MINUTE TIME DELAY OFF. WIRED BY DIV 26 CONTRACTOR.
37 PROVIDE 20" DIAMETER FAN.
38 PROVIDE MANUFACTURER'S SPECIFIED WALL MOUNTING KIT AND 12'-0" CORDED VARIABLE SPEED CONTROLLER.
39 FAN SHALL BE CONTROLLED BY STAND-ALONE TIME CONTROLLER. REFER TO DETAIL A/M701. TIMECLOCK(S) SHALL BE PROVIDED BY DIVISION 26. SCHEDULE FAN TO ENABLE/DISABLE PER OWNER SCHEDULE.
40 FAN SHALL BE CONTROLLED BY A LINE VOLTAGE THERMOSTAT SET TO 85 DEGREES F (ADJ). ONCE ACTIVATED THE FAN SHALL OPERATE UNTIL SPACE TEMPERATURE HAS DROPPED BELOW SETPOINT +/- A DEADBAND (2 DEGREES, ADJ)

DUCTLESS SPLIT SYSTEMS

INDOOR UNIT DESIGNATION		DSSI-A.1	DSSI-A.2	DSSI-A.3	DSSI-B.1	DSSI-B.2	DSSI-B.3	DSSI-C.1	DSSI-C.2	DSSI-C.3
OUTDOOR UNIT DESIGNATION		DSSO-A.1	DSSO-A.2	DSSO-A.3	DSSO-B.1	DSSO-B.2	DSSO-B.3	DSSO-C.1	DSSO-C.2	DSSO-C.3
	SCHEDULED TYPE	A	B	A	A	B	A	A	B	A
	DESCRIPTION	COOLING ONLY	HEAT PUMP	COOLING ONLY	COOLING ONLY	HEAT PUMP	COOLING ONLY	COOLING ONLY	COOLING ONLY	COOLING ONLY
	FAN SPEED	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM	MEDIUM
	NOTES	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2

NOTES:

1 PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT
2 PROVIDE WIRELESS PROGRAMMABLE THERMOSTAT

DUCTLESS SPLIT SYSTEM TYPES

TYPE			A	B
DESCRIPTION			COOLING ONLY	HEAT PUMP
PERFORMANCE - (NOTES 1 & 2)				
	NOMINAL CAPACITY	TONS	2	2
	TOTAL COOLING CAPACITY	BTUH	21,200	21,200
	SENSIBLE COOLING CAPACITY	BTUH	15,760	15,760
	HEATING CAPACITY @ 47 °F	BTUH	N/A	24,000
	HEATING CAPACITY @ 17 °F	BTUH	N/A	14,400
	AIR FLOW RATE (HIGH - LOW)	CFM	713 - 512	713 - 512
	SEER	BTU / W-HR	18.0	18.0
	HSPF	BTU / W-HR	N/A	9.0
INDOOR UNIT DATA				
	FILTERS		1" WASHABLE	1" WASHABLE
	CONDENSATE DRAIN SIZE	IN.	3/4	3/4
	WEIGHT	LBS.	27	27
OUTDOOR UNIT DATA				
	COMPRESSOR TYPE		INVERTER	INVERTER
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1
	MINIMUM CIRCUIT AMPACITY	AMPS	18.3	18.3
	MAXIMUM OVERLOAD PROTECTION	AMPS	20	20
	WEIGHT	LBS.	108	108
REFRIGERANT TYPE			R410A	R410A
MANUFACTURER			DAIKIN	DAIKIN
MODEL NUMBER (INDOOR UNIT)			FTK24NMVJU	FTX24NMVJU
MODEL NUMBER (OUTDOOR UNIT)			RK24NMVJU	RX24NMVJU
DETAIL REFERENCE			A,B/M502; G/M501	A,B/M502; G/M501

NOTES:

1 COOLING CAPACITY RATED @ 95 °F AMBIENT, 80 °Fdb / 67 °Fwb ENTERING AIR TEMPERATURE.
2 HEATING CAPACITY RATED @ 47 °Fdb / 43 °Fwb AMBIENT, 70°Fdb ENTERING AIR TEMPERATURE.
3 UNIT SHALL BE CAPABLE OF OPERATION FOR AMBIENT TEMPERATURES DOWN TO 14°F
4 REFRIGERANT PIPING SHALL BE SIZED BY MANUFACTURER.
5 INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT. PROVIDE FIELD SUPPLIED INTERCONNECTED WIRING PER MANUFACTURER'S INSTRUCTIONS.

CABINET UNIT HEATER SCHEDULE

DESIGNATION			UH-A.1	UH-B.1	UH-C.1
	CAPACITY	KW	3.0	3.0	3.0
	NUMBER OF STAGES	#	1	1	1
	AIR QUANTITY	CFM	160	160	160
	AIR TEMPERATURE RISE	°F	60	60	60
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1	208 / 1
	FULL LOAD CURRENT	AMPS	14.43	14.43	14.43
	BUILT-IN CONTACTOR		YES	YES	YES
	BUILT-IN TRANSFORMER		YES	YES	YES
	MOUNTING HEIGHT (A.F.F.)	FT / IN	0 / 2	0 / 2	0 / 2
MANUFACTURER (BASIS OF DESIGN)			REZNOR	REZNOR	REZNOR
MODEL NUMBER			EMC (SIZE 3)	EMC (SIZE 3)	EMC (SIZE 3)

NOTES:

1 PROVIDE UNITS WITH MOUNTING HARDWARE.
2 PROVIDE UNITS WITH FACTORY WIRED DISCONNECT SWITCH.
3 PROVIDE UNITS WITH CONTROL TRANSFORMERS AS REQUIRED.
6 PROVIDE UNITS WITH MANUFACTURER'S SPECIFIED, TAMPER-PROOF, BUILT-IN THERMOSTATS, SET TO MAINTAIN 68 DEGREES F.
7 PROVIDE FRONT COVER KEY LOCK.
8 PROVIDE HEAVY DUTY 16 GAUGE STEEL GRILLE.
9 VERIFY SURFACE, SEMI-RECESSED OR RECESSED MOUNTING WITH ARCHITECT PRIOR TO ORDERING EQUIPMENT.

RADIANT TUBE HEATER SCHEDULE

DESIGNATION			RH-A.1, 2, 3; RH-B.1, 2, 3; RH-C.1,2
	INPUT	BTUH	100,000
	FUEL		NATURAL GAS
	TUBE LENGTH	FT	30
	TUBE CONFIGURATION		STRAIGHT
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
	GAS INLET SIZE	IN.	1/2"
MANUFACTURER			ROBERTS GORDON
MODEL			CTH2V
DETAIL REFERENCE			C, F, G/M502

NOTES:

1 PROVIDE STAINLESS STEEL PROTECTIVE GRILLE ON STAINLESS STEEL REFLECTOR.
2 PROVIDE REFLECTOR SIDE EXTENSIONS.
3 PROVIDE FLEXIBLE STAINLESS STEEL GAS LINE WITH SHUT-OFF COCK FOR ALL HEATERS.
4 PROVIDE STAINLESS STEEL VENTING AND INTAKE ACCESSORIES AS INDICATED ON PLANS AND PER MANUFACTURER'S RECOMMENDATIONS.
5 PROVIDE LINE VOLTAGE THERMOSTATS. PROVIDE MANUFACTURER'S RECOMMENDED WATER PROOF THERMOSTATS FOR CARWASH HEATERS (SEE FLOOR PLANS).
6 SET REFLECTOR AT 0 DEGREES (DIRECTLY DOWNWARD).
7 PROVIDE RADIANT HEATER RATED FOR USE IN HARSH/CORROSIVE ENVIRONMENTS.

INDIRECT GAS FIRED UNIT HEATER SCHEDULE

DESIGNATION			UH-C.2,3,4,6	UH-A.7, UH-B.7, UH-C.5	UH-A.2,3,4,5,6,8 UH-B.2,3,4,5,6,8
GAS FIRED HEATING DATA					
	TYPE OF FUEL		NATURAL GAS	NATURAL GAS	NATURAL GAS
	INPUT HEATING CAPACITY	MBTUH	45	105	30
	OUTPUT HEATING CAPACITY	MBTUH	37.4	87.2	24.6
	AIR TEMPERATURE RISE	°F	55	60	50
	GAS PIPE CONNECTION	IN.	1/2	1/2	1/2
FAN DATA					
	DISCHARGE AIR VOLUME	CFM	630	1345	460
	FAN MOTOR HORSEPOWER	HP	0.06	0.25	0.06
ELECTRICAL CHARACTERISTICS		V / PH	120 / 1	120 / 1	120 / 1
MAXIMUM OVERLOAD PROTECTION		AMPS	15	15	15
UNIT WEIGHT		LBS.	65	105	60
MANUFACTURER			REZNOR	REZNOR	REZNOR
MODEL NUMBER			UDZ 45	UDZ 100	UDZ 30
DETAIL REFERENCE			A,D/M503	A,D/M503	A,D/M503

NOTES:

1 PROVIDE HIGH AND LOW GAS PRESSURE SWITCHES.
2 PROVIDE MANUAL SHUTOFF VALVES.
3 PROVIDE CATEGORY III FLUE VENT PIPE AND VENT CAP TERMINATION.
4 INSTALL UNIT, ALL CONNECTIONS, AND ACCESSORIES ACCORDING TO MANUFACTURER'S REQUIREMENTS.

NATURAL VENTILATION RATE

		FLOOR AREA	OPENABLE AREA	
TYPE OF SPACE		(SF)	MINIMUM (SF)	ACTUAL (SF)
	STORAGE / W&D ROOM 111, 211, AND 209	207.3	8.29	21.00

NOTE: NATURAL VENTILATION CALCULATED PER REQUIREMENTS OF FLORIDA BUILDING CODE - MECHANICAL 2023, BASED ON MINIMUM OPENABLE AREA TO THE OUTDOORS OF 4% OF FLOOR AREA.

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

Scott T. Craig Jr., P.E.

FL LICENSE NUMBER #73938

PROJECT NUMBER	DESIGNED BY	RDR
144124059	1/8" = 1'-0"	MAW
DATE	DRAWN BY	STC
01/17/2025	CHECKED BY	

SCHEDULES

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
M002

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PACKAGED AC UNIT WITH GAS HEAT SCHEDULE

DESIGNATION			RTU-A.1	RTU-B.1	RTU-C.1
AIR QUANTITIES					
	SUPPLY AIR	CFM	2,400	2,400	1,600
	OUTSIDE AIR	CFM	310	310	170
HEAT LOSSES AND GAINS					
	TOTAL HEAT LOSS	BTUH	33,500	33,500	24,100
	SENSIBLE HEAT GAIN	BTUH	59,009	59,009	39,811
	TOTAL HEAT GAIN	BTUH	71,961	71,961	47,217
AIR TEMPERATURES					
	COOLING COIL ENTERING	°Fdb - °Fwb	77.8 - 64.3	77.8 - 64.3	77.3 - 63.9
	COOLING COIL LEAVING	°Fdb - °Fwb	54.3 - 53.9	54.3 - 53.9	53.5 - 53.5
	HEATING COIL ENTERING AND LEAVING	°Fdb - °Fdb	60.0 - 84.9	60.0 - 84.9	60.0 - 97.3
EVAPORATOR SECTION					
	EXT. STATIC PRESSURE (INCLUDE FILTER)	IN.	2	2	2
	FAN MOTOR HORSEPOWER	HP	3	3	2
CONDENSER SECTION					
	NUMBER OF COMPRESSORS (MODULATING)	#	1	1	1
GAS FIRED HEAT SECTION					
	TYPE OF FUEL		NATURAL GAS	NATURAL GAS	NATURAL GAS
	INPUT RATING	BTUH	80,000	80,000	80,000
	NET HEATING CAPACITY	BTUH	64,800	64,800	64,800
	AIR TEMPERATURE RISE	°F	25	25	37
UNIT ELECTRICAL CHARACTERISTICS		V / PH	460 / 3	460 / 3	460 / 3
MINIMUM AMPACITY / MAXIMUM OVERLOAD PROTECTION		AMPS / AMPS	19.9 / 25	19.9 / 25	16.9 / 25
UNIT WEIGHT			1,105	1,105	927
REFRIGERANT TYPE			R32	R32	R32
IEER / EER			20.1 / 10.7	20.1 / 10.7	25.3 / 13.1
MANUFACTURER			DAIKIN	DAIKIN	DAIKIN
MODEL NUMBER			DPSC06B	DPSC06B	DPSC04B
DETAILS			J/M501, E/M502	J/M501, E/M502	J/M501, E/M502
NOTES:			1,2,3,4,5,6,7,8	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7

NOTES:

1. PROVIDE WITH COMBINATION SPACE TEMPERATURE AND HUMIDITY SENSOR.
2. PROVIDE WITH MODULATING HOT GAS REHEAT.
3. PROVIDE SUPPLY FAN(S) AND CONDENSER FAN(S) WITH ELECTRICALLY COMMUTATED MOTORS.
4. PROVIDE COMPRESSORS WITH INVERTER DUTY MODULATING CONTROL.
5. PROVIDE WITH MODULATING GAS HEATING (5:1 TURN DOWN).
6. PROVIDE WITH BAROMETRIC RELIEF SET TO OPEN AT 0.1" WG.
7. PROVIDE WITH FACTORY CONTROLS FOR THE SINGLE ZONE VAV CONTROL AND THE FOLLOWING OPERATIONS:
   HEAD PRESSURE CONTROL - UNIT CONTROLLER SHALL MONITOR THE CONDENSER HEAD PRESSURE AS REQUIRED TO MAINTAIN HEAD PRESSURE AND THE AND THE COMPRESSOR OPERATING ENVELOPE TO AVOID HIGH PRESSURE TRIPS ON LOAD DAYS.
   COMPRESSOR ENVELOPE CONTROL - UNIT CONTROLLER SHALL MONITOR SUCTION AND DISCHARGE PRESSURE AND TEMPERATURE CONDITIONS, AND MODULATE THE COMPRESSOR, CONDENSER HEAD PRESSURE, AND ELECTRONIC EXPANSION VALVE AS REQUIRED.
   CHANGE OVER - UNIT CONTROLLER, BASED ON HEATING/COOLING CHANGE OVER SETPOINTS, SHALL CHANGE BETWEEN COOLING, FAN ONLY, OR HEATING MODES.
   SUPPLY FAN - UNIT CONTROLLER SHALL MODULATE THE FAN BETWEEN MIN/MAX SETPOINTS BASED ON THE DIFFERENCE BETWEEN SPACE TEMPERATURE AND THE DESIRED SETPOINT.
   OUTSIDE AIR DAMPER - SUPPLY FAN ON / DAMPER OPEN; SUPPLY FAN OFF / DAMPER CLOSED. THE UNIT CONTROLLER SHALL PROPORTIONALLY MODULATE THE OUTSIDE AIR DAMPERS OPEN AND CLOSED AS THE SUPPLY FAN SPEED CHANGES TO PROVIDE A CONSTANT VOLUME OF FRESH OUTSIDE AIR.
   COOLING - UNIT CONTROLLER SHALL MODULATE THE VARIABLE SPEED COMPRESSOR(S) AS REQUIRED TO MAIN THE DISCHARGE AIR SETPOINT
   MODULATING HOT HAS REHEAT - FULLY MODULATING, WITH LEAVING COIL TEMP SENSOR AND DISCHARGE AIR TEMP SENSOR; DEHUMIDIFICATION - WHEN THE SPACE RH RISES ABOVE DEHUMIDIFICATION SETPOINT (55% ADJ), MODULATE THE COMPRESSOR(S) TO MAINTAIN THE LEAVING COOLING SETPOINT AND THE REHEAT COIL TO MAINTAIN THE SUPPLY AIR REHEAT SETPOINT. SUPPLY AIR REHEAT SETPOINT SHALL BE RESET BASED ON A CALL FOR COOLING AND DEHUMIDIFICATION OR DEHUMIDIFICATION ONLY. UPON A CALL FOR COOLING AND DEHUMIDIFICATION, REHEAT SETPOINT = COOLING DISCHARGE AIR SETPOINT. UPON A CALL FOR DEHUMIDIFICATION ONLY, REHEAT SETPOINT SHALL BE LINEARLY RESET BETWEEN MIN/MAX SETPOINTS (ADJ). RESET SHALL BE PER COOLING AND HEATING SETPOINTS.
   GAS REHEAT - MODULATING 5:1 TURNDOWN. UPON A CALL FOR HEATING, UNIT CONTROLLER SHALL MODULATE THE FURNACE AS REQUIRED TO MAINTAIN THE DESIRED SPACE TEMPERATURE.
8. PROVIDE WITH FACTORY CONTROLS FOR DUAL ENTHALPY (OUTSIDE AIR VS RETURN AIR) ECONOMIZER OPERATION.

GRAVITY VENTILATOR SCHEDULE

DESIGNATION			GV-A.1,2	GV-B.1,2	GV-C.1,2
	MAX AIRFLOW	CFM	300	300	300
	THROAT SIZE	IN. X IN.	8 X 8	8 X 8	8 X 8
	HOOD DIAMETER	IN. X IN.	27 X 22	27 X 22	27 X 22
	CURB CAP	IN. X IN.	14 X 14	14 X 14	14 X 14
	WEIGTH	LBS.	50	50	50
MANUFACTURER			GREENHECK	GREENHECK	GREENHECK
MODEL NUMBER			FGR-8x8	FGR-8x8	FGR-8x8

NOTES:

1. PROVIDE PREFABRICATED ROOF CURB WITH WELDED CAP CORNERS AND DAMPER TRAY.
2. PROVIDE BACKDRAFT DAMPER.
3. PROVIDE ALUMINUM BIRD SCREEN.
4. REFER TO DETAIL F/M501.

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LICENSED PROFESSIONAL

Scott T. Craig Jr., P.E.

FL LICENSE NUMBER #73938

PROJECT NUMBER	144124059
DATE	01/17/2025
1/8" = 1'-0"	
DESIGNED BY	RDR
DRAWN BY	MAW
CHECKED BY	STC

SCHEDULES

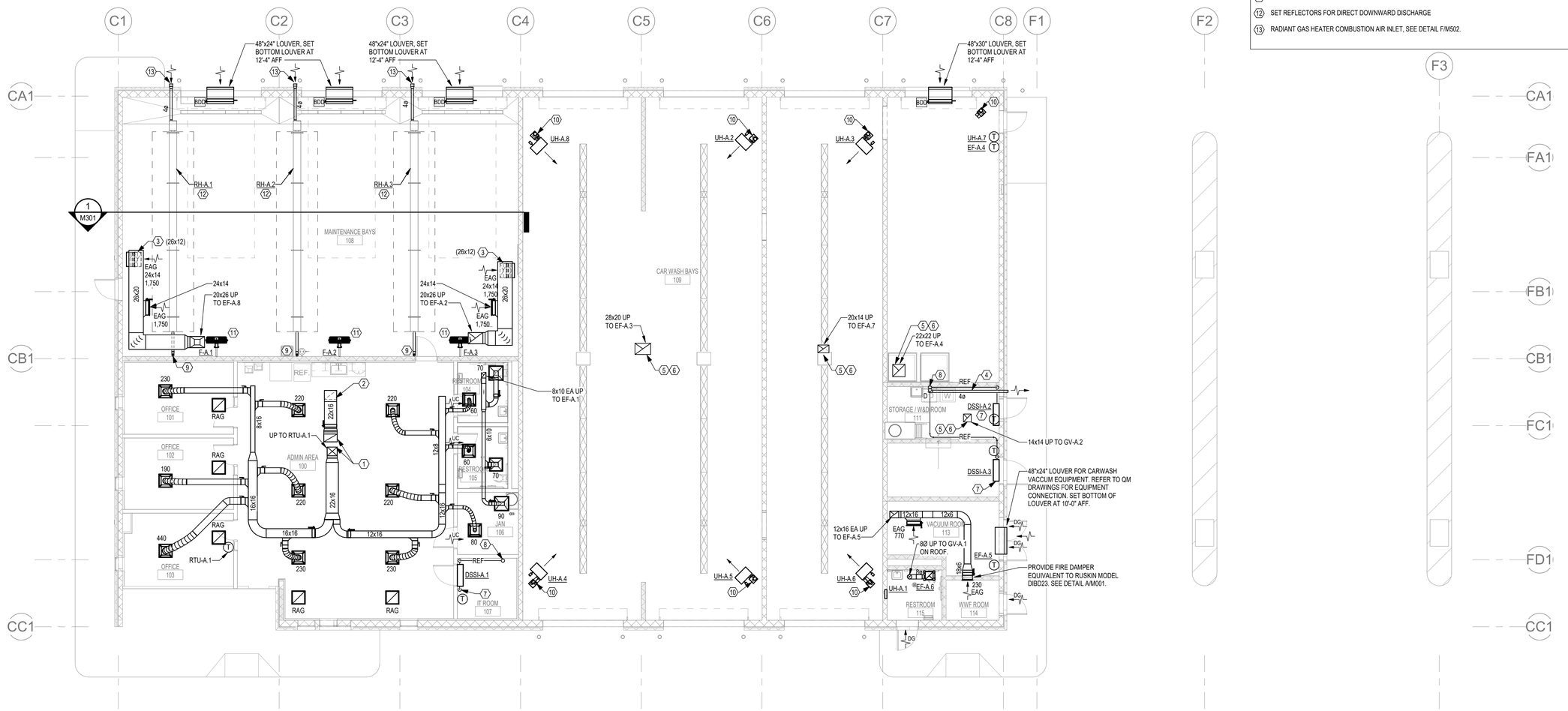
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CITY OF TALLAHASSEE
FLORIDA

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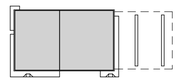
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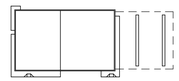
1. DROP DUCTWORK DOWN AS REQUIRED TO SET BOTTOM OF DUCTWORK AT 24" ABOVE CEILING.
2. PROVIDE RETURN DUCTWORK WITH ELBOW UP AS INDICATED.
3. DROP EXHAUST DUCTWORK DOWN TO 18" AFF.
4. 4" DRYER VENT UP TO 10-6" AFF AND THRU EXTERIOR WALL AS INDICATED. PROVIDE ALUMINUM WALL CAP WITH BACKDRAFT DAMPER AT TERMINATION, SEIHO MODEL CFXC 4 OR APPROVED EQUAL. SEE DETAIL D/M501.
5. EXTEND FULL-SIZE 304 STAINLESS STEEL DUCT DOWN TO 18" BELOW STRUCTURE.
6. PROVIDE STAINLESS STEEL EXPANDED BIRD SCREEN MESH OVER OPENING.
7. ROUTE CONDENSATE PIPING NEATLY DOWN WALL TO HUB DRAIN. REFER TO PLUMBING DRAWINGS FOR HUB DRAIN LOCATION. SECURE CONDENSATE PIPING TO WALL.
8. REFRIGERANT PIPING UP TO ROOF MOUNTED CONDENSING UNIT.
9. SINGLE EXHAUST VENT UP THROUGH ROOF, SEE DETAIL C/M502.
10. COMBINATION FLUE/VENT THRU ROOF. SEE DETAIL J/M503.
11. SET MINIMUM ELEVATION AT 8'-4" AFF.
12. SET REFLECTORS FOR DIRECT DOWNWARD DISCHARGE
13. RADIANT GAS HEATER COMBUSTION AIR INLET, SEE DETAIL F/M502.



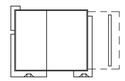
BUILDING A



BUILDING B



BUILDING C



SITE KEY



1 1/8" = 1'-0" **HVAC FLOOR PLAN - BUILDING A**

No.	REVISIONS	DATE	BY

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(850) 222-7228
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LICENSED PROFESSIONAL
Scott T. Craig Jr., P.E.
FL LICENSE NUMBER #73938

PROJECT NUMBER	144124059
DATE	01/17/2025
DESIGNED BY	RDR
DRAWN BY	MAW
CHECKED BY	STC

THREE BAY FLOOR PLAN - BUILDING A

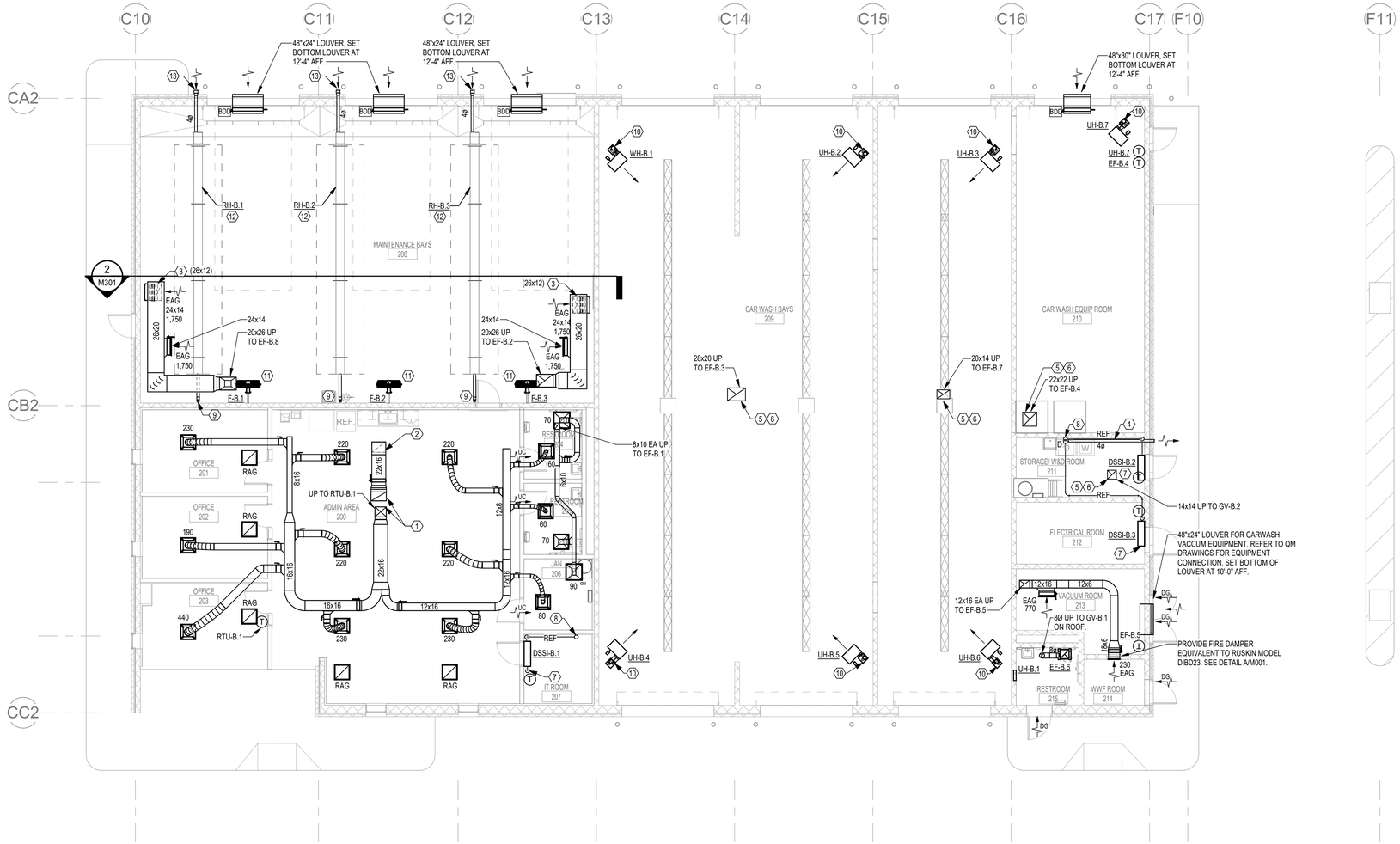
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CONSTRUCTION KEYNOTES

1. DROP DUCTWORK DOWN AS REQUIRED TO SET BOTTOM OF DUCTWORK AT 24" ABOVE CEILING.
2. PROVIDE RETURN DUCTWORK WITH ELBOW UP AS INDICATED.
3. DROP EXHAUST DUCTWORK DOWN TO 18" AFF.
4. 4" DRYER VENT UP TO 10-6" AFF AND THRU EXTERIOR WALL AS INDICATED. PROVIDE ALUMINUM WALL CAP WITH BACKDRAFT DAMPER AT TERMINATION, SEIHO MODEL CFXC 4 OR APPROVED EQUAL. SEE DETAIL D/M501.
5. EXTEND FULL-SIZE 304 STAINLESS STEEL DUCT DOWN TO 18" BELOW STRUCTURE.
6. PROVIDE STAINLESS STEEL EXPANDED BIRD SCREEN MESH OVER OPENING.
7. ROUTE CONDENSATE PIPING NEATLY DOWN WALL TO HUB DRAIN. REFER TO PLUMBING DRAWINGS FOR HUB DRAIN LOCATION. SECURE CONDENSATE PIPING TO WALL.
8. REFRIGERANT PIPING UP TO ROOF MOUNTED CONDENSING UNIT.
9. SINGLE EXHAUST VENT UP THROUGH ROOF, SEE DETAIL C/M502.
10. COMBINATION FLUE/VENT THRU ROOF. SEE DETAIL J/M503.
11. SET MINIMUM ELEVATION AT 8'-4" AFF.
12. SET REFLECTORS FOR DIRECT DOWNWARD DISCHARGE
13. RADIANT GAS HEATER COMBUSTION AIR INLET, SEE DETAIL F/M502.



1 1/8" = 1'-0" **HVAC FLOOR PLAN - BUILDING B**

BUILDING A | BUILDING B | BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
Scott T. Craig Jr., P.E.
FL LICENSE NUMBER #73938

PROJECT NUMBER	144124059
DATE	01/17/2025
1/8" = 1'-0"	
DESIGNED BY	RDR
DRAWN BY	MAW
CHECKED BY	STC

THREE BAY FLOOR PLAN - BUILDING B

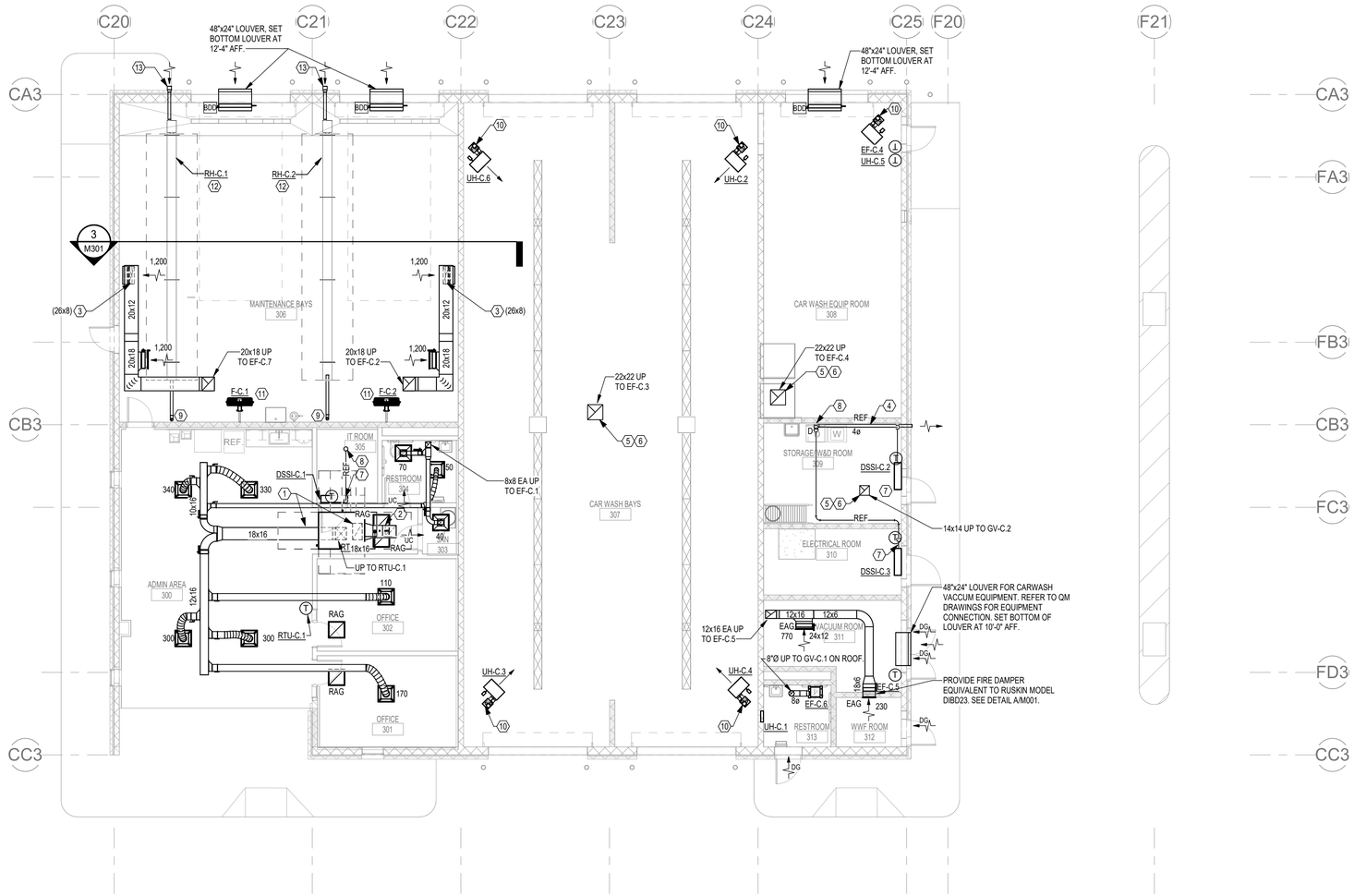
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12. SET REFLECTORS FOR DIRECT DOWNWARD DISCHARGE
13. RADIANT GAS HEATER COMBUSTION AIR INLET, SEE DETAIL F/M502.



1 1/8" = 1'-0" **HVAC FLOOR PLAN - BUILDING C**

BUILDING A | BUILDING B | BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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FL LICENSE NUMBER #73938

PROJECT NUMBER	DESIGNED BY	RDR
144124059	DRAWN BY	MAW
DATE 01/17/2025	CHECKED BY	STC
1/8" = 1'-0"		

TWO BAY FLOOR PLAN - BUILDING C

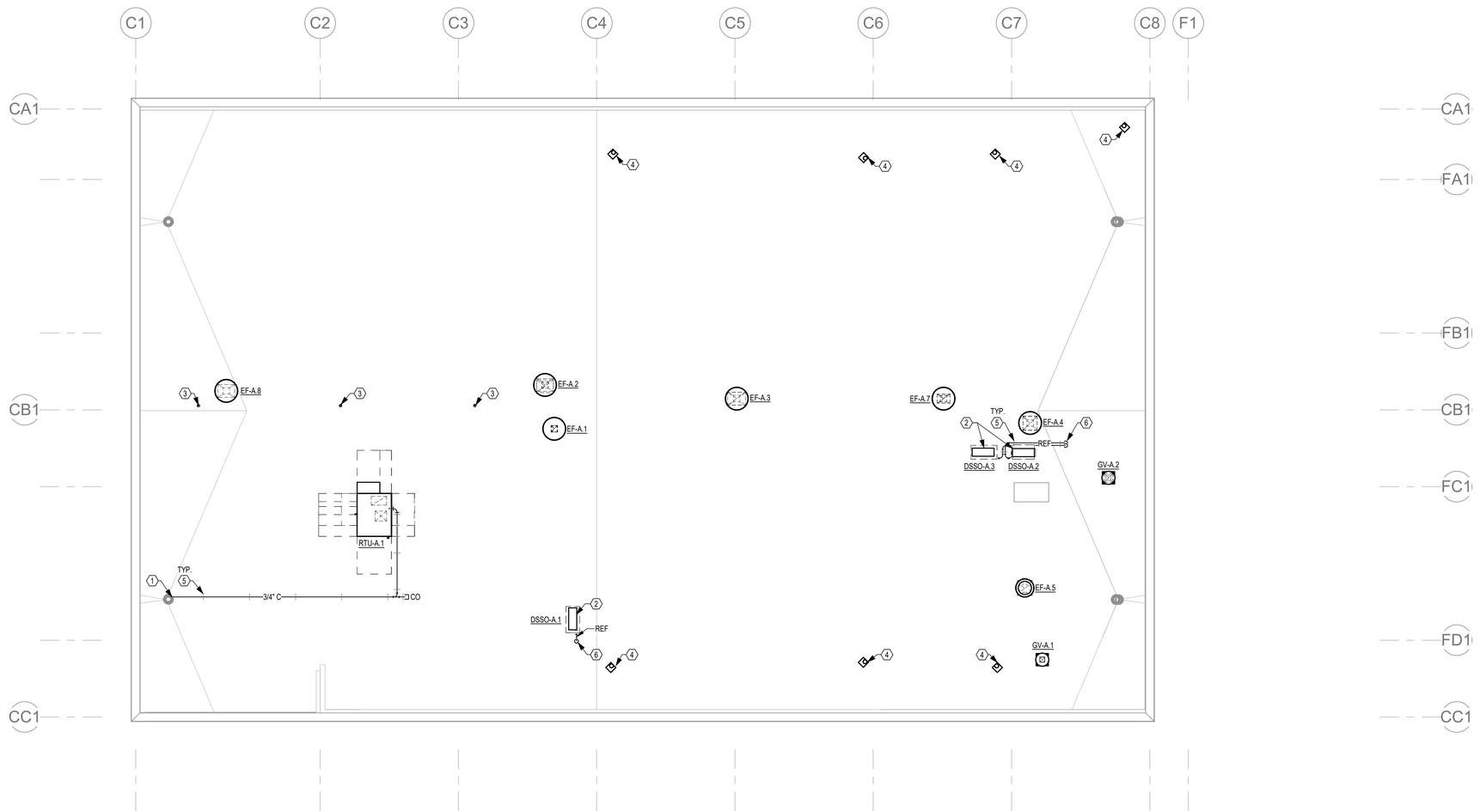
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CONSTRUCTION KEYNOTES

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2. CONDENSING UNIT ON ROOF. SEE DETAIL G/M501.
3. RADIANT HEATER EXHAUST VENT UP THROUGH ROOF. SEE DETAIL C/M502.
4. COMBINATION FLUE/VENT THRU ROOF. SEE DETAIL C/M503.
5. PROVIDE ROOF PIPE SUPPORT EQUIVALENT TO PORTABLE PIPE HANGERS MODEL SS8-C AND SECURE PIPING TO SUPPORT PER MANUFACTURER'S RECOMMENDATIONS.
6. ROUTE REFRIGERANT PIPING DOWN TO/FROM BELOW. SEE DETAIL B/M502.



1 1/8" = 1'-0" **HVAC ROOF PLAN - BUILDING A**

BUILDING A BUILDING B BUILDING C

SITE KEY

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Scott T. Craig Jr., P.E.

FL LICENSE NUMBER
#73938

PROJECT NUMBER	144124059
DATE	01/17/2025
1/8" = 1'-0"	
DESIGNED BY	RDR
DRAWN BY	MAW
CHECKED BY	STC

THREE BAY ROOF PLAN - BUILDING A

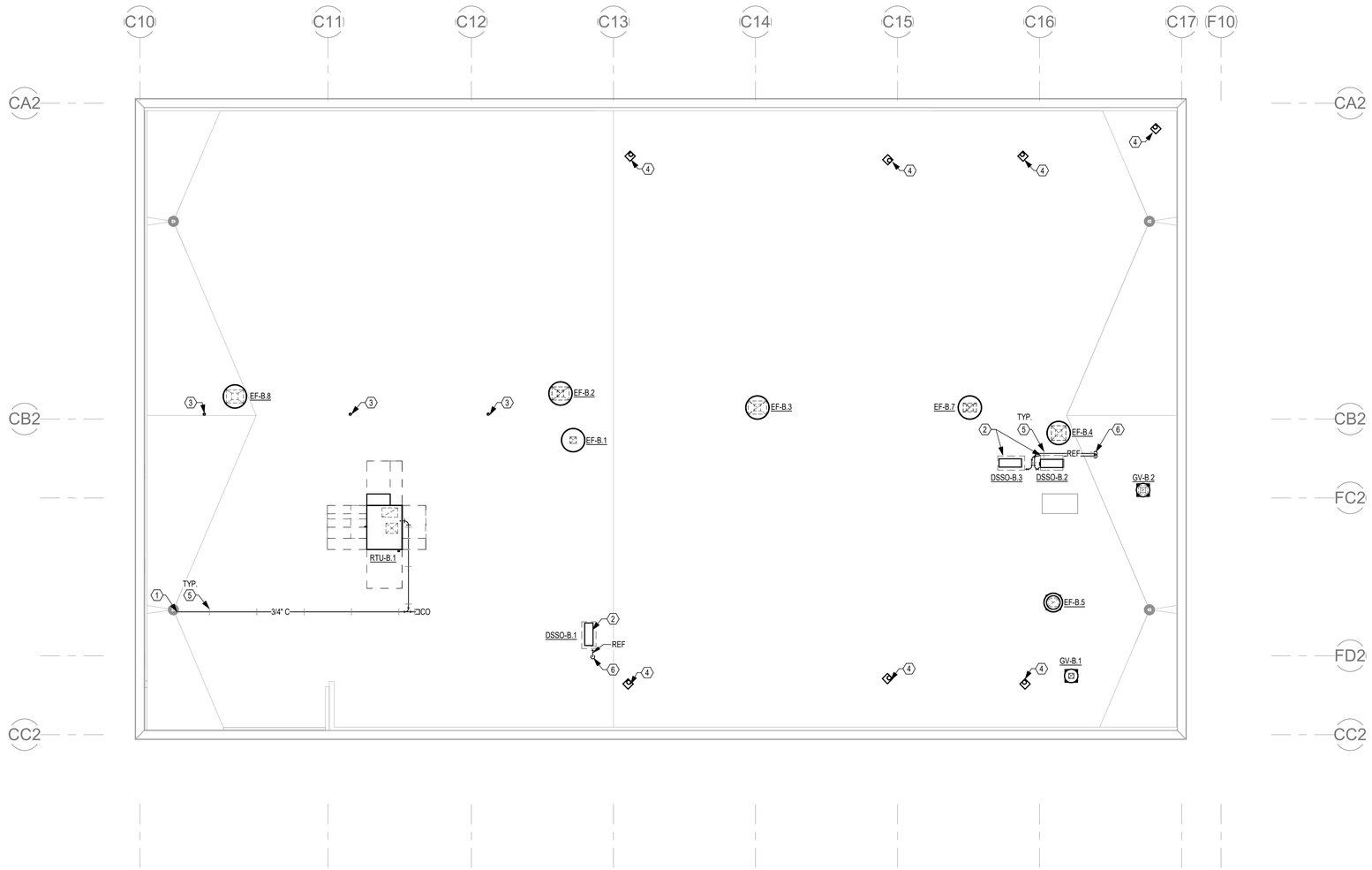
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6. ROUTE REFRIGERANT PIPING DOWN TO/FROM BELOW. SEE DETAIL B/M502.



1 1/8" = 1'-0" **HVAC ROOF PLAN - BUILDING B**

BUILDING A BUILDING B BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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Scott T. Craig Jr., P.E.

FL LICENSE NUMBER
#73938

PROJECT NUMBER	144124059
DATE	01/17/2025
1/8" = 1'-0"	
DESIGNED BY	RDR
DRAWN BY	MAW
CHECKED BY	STC

THREE BAY ROOF PLAN - BUILDING B

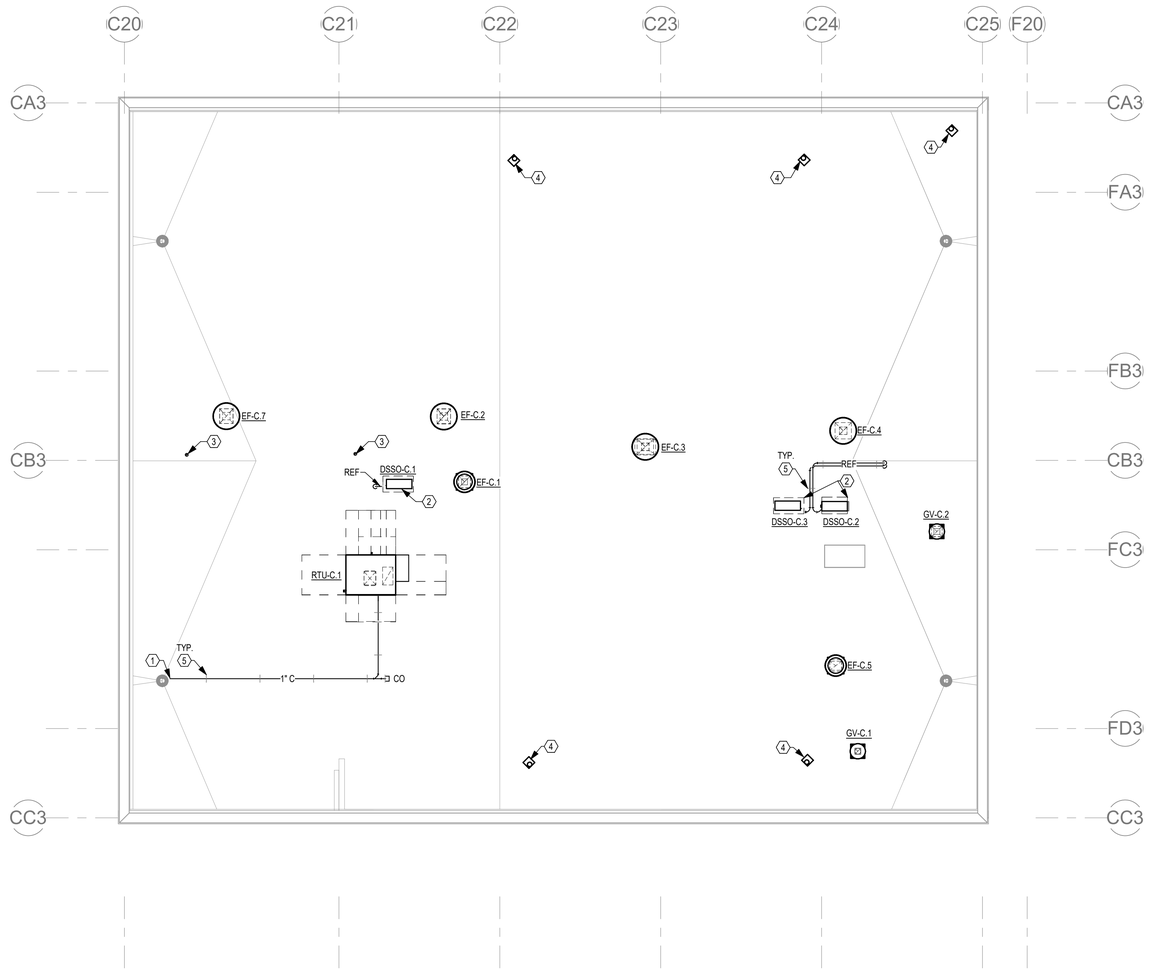
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6. ROUTE REFRIGERANT PIPING DOWN TO/FROM BELOW. SEE DETAIL B/M502.



1 1/8" = 1'-0" **HVAC ROOF PLAN - BUILDING C**

BUILDING A BUILDING B BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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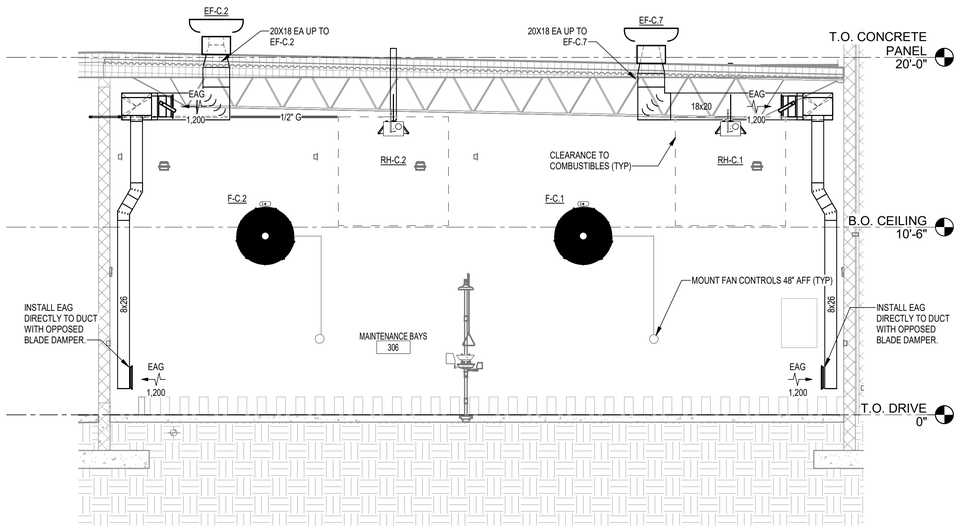
PROJECT NUMBER	144124059
DATE	01/17/2025
DESIGNED BY	RDR
DRAWN BY	MAW
CHECKED BY	STC

TWO BAY ROOF PLAN - BUILDING C

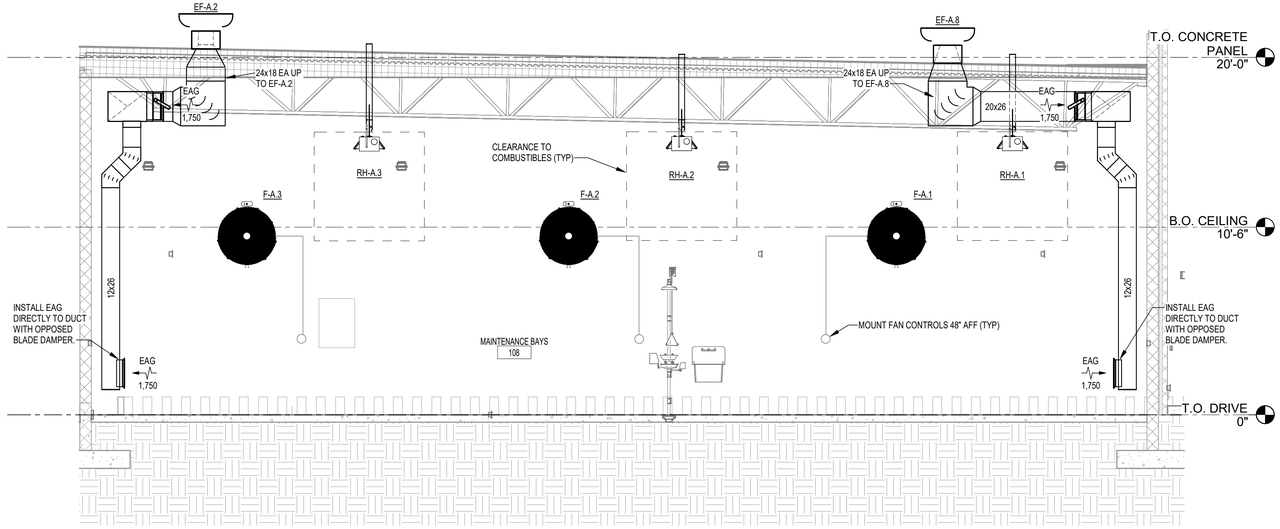
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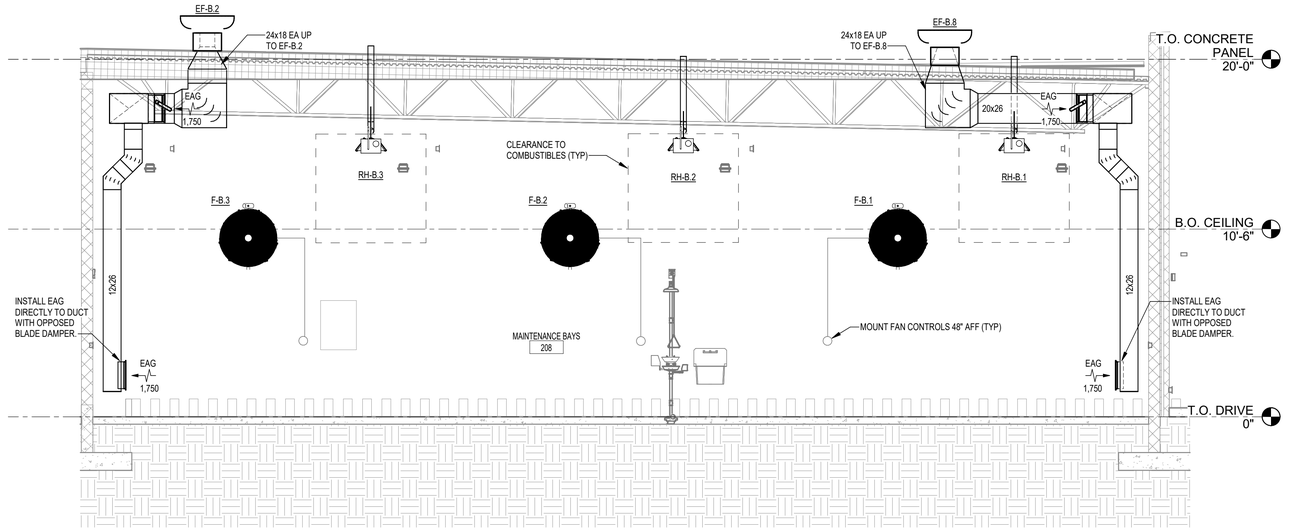
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3 M301 MAINTENANCE BAY - BUILDING C
1/4" = 1'-0"



1 M301 MAINTENANCE BAY - BUILDING A
1/4" = 1'-0"



2 M301 MAINTENANCE BAY - BUILDING B
1/4" = 1'-0"

No.	REVISIONS	DATE	BY

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FL LICENSE NUMBER #73938

PROJECT NUMBER	144124059
DATE	01/17/2025
	1/4" = 1'-0"
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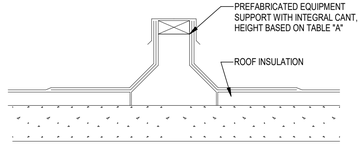
SECTIONS

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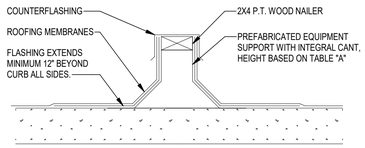
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G ROOFTOP EQUIPMENT SUPPORT



MODIFICATION FOR INSULATED ROOF

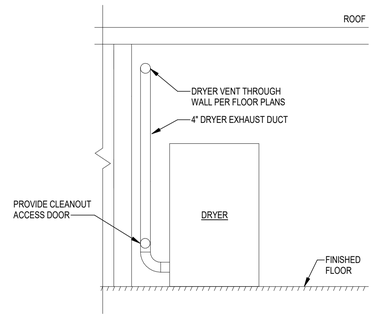


NON-INSULATED ROOF

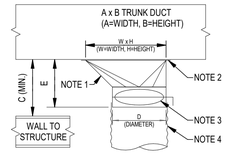
NOTES:

1. SECURE EQUIPMENT SUPPORT TO ROOF WITH SHEETMETAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION.
2. SECURE COUNTERFLASHING TO WOOD NAILING STRIP WITH 3/8" CADMIUM PLATED LAG BOLTS ON 12" MAX. CENTERS.

D DRYER EXHAUST



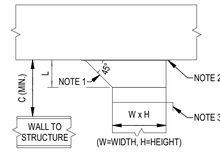
A TYPICAL DUCT TAKE-OFF FITTINGS



ROUND DUCT

D	E (NOTE 5)	WxH (NOTE 5)	TRUNK DUCT HEIGHT (B MIN.)	C	
				NO FIRE DAMPER	WITH FIRE DAMPER
6	8.5	12 x 6	8	9	12
8	8.5	12 x 6	8	9	12
10	9.5	16 x 6.75	10	10	13
12	10.5	18 x 8.5	12	11	14
14	10.5	20 x 9.5	12	11	14
16	12	24 x 12	14	13	16

DIMENSIONS BASED ON CROWN PRODUCTS CO., INC.

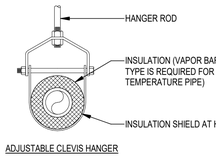


RECTANGULAR DUCT

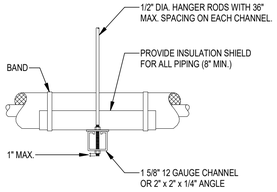
NOTES:
1. 45° ENTRY.
2. 1" WIDE FLANGE WITH GASKET SEAL AROUND ENTIRE PERIMETER.
3. PROVIDE MANUAL BALANCING DAMPER. OPERATOR SHALL PENETRATE INSULATION.
4. USE ROUND TYPE TAKE-OFF FOR SUPPLY AIR TO NOT MORE THAN ONE TERMINAL.

L = W/4 (4"MIN.)
H = B-2 (MAX.)
C = L+4 (WITH FIRE DAMPER)
C = L+2 (WITHOUT FIRE DAMPER)

H TYPICAL PIPE HANGERS



ADJUSTABLE CLEVIS HANGER



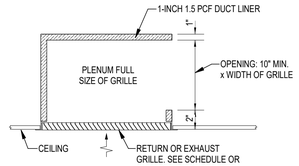
SIDE VIEW

TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

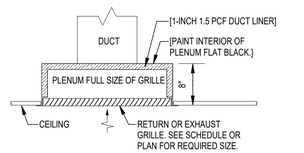
NOTES:

1. SEE SPECIFICATIONS FOR SPACING OF HANGERS.

E RETURN OR EXHAUST CEILING GRILLE



PLENUM RETURN GRILLES

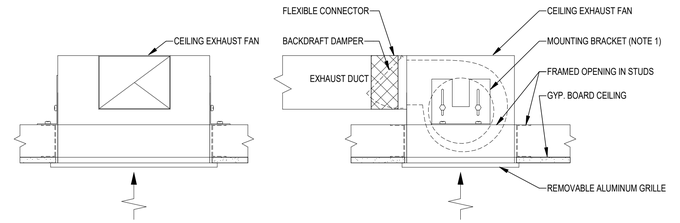


TOP ENTRY

NOTES:

1. INSTALL BLADES OF GRILLE SO SIGHT LINE INTO PLENUM IS OBSCURED FROM ROOM.
2. PROVIDE APPROPRIATE MOUNTING HARDWARE FOR GRILLE TO ACCOMMODATE CEILING TYPE.

B CEILING EXHAUST FAN

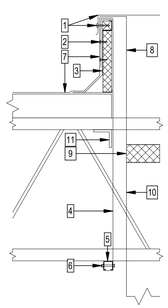


FRONT VIEW SIDE VIEW

NOTES:

1. SUPPORT CEILING FAN LOCATED ABOVE LAY-IN CEILING FROM THE BUILDING STRUCTURE, INDEPENDENT OF CEILING.

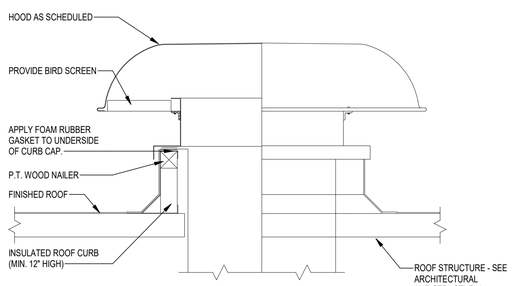
J ROOF CURB AND TIE DOWN



KEY NOTES: (THIS DETAIL ONLY)

1. SECURE EQUIPMENT OR CURB CAP TO ROOF CURB WITH LAG BOLTS @ 12" O.C. ALL AROUND. CAULK BOLTS WITH SILICONE. APPLY CONTINUOUS FOAM RUBBER GASKET TO UNDERSIDE OF CURB CAP.
2. WRAP STRAP OVER TOP OF CURB AND ATTACH TO OUTSIDE OF CURB WITH FOUR STAINLESS STEEL SHEET METAL SCREWS.
3. PREFABRICATED INSULATED ROOF CURB WITH PRESSURE TREATED WOOD NAILER AND INTEGRAL CANT, MIN. 12" HIGH (SEE SPECIFICATIONS). PROVIDE RAISED CANT MODEL FOR INSULATED ROOF.
4. GALVANIZED STEEL STRAPS ON TWO OPPOSITE SIDES - SIMPSON "STRONG-TIE" CMSTC16, OR EQUAL.
5. UNISTRUT BOLTED TO ROOF STRUCTURE (SPAN AT LEAST TWO BAR JOISTS)
6. WRAP STRAP AROUND THREE SIDES OF UNISTRUT AND FASTEN WITH 1/4" STAINLESS STEEL BOLT, WASHER, LOCK WASHER AND NUT.
7. ROOF MEMBRANE SHALL TURN UP ON OUTSIDE OF ROOF CURB AND COVER THE TIE-DOWN STRAPS. FASTEN TO WOOD NAILER AT TOP OF CURB.
8. PROVIDE DUCT (WHERE INDICATED ON PLANS) WITH FLANGE ATTACHED TO TOP OF ROOF CURB. ALLOW SPACE FOR DUCT INSULATION, IF REQUIRED.
9. FLEXIBLE DUCT CONNECTION
10. SUPPORT LOWER SECTION OF DUCT FROM ROOF STRUCTURE.
11. 3"x 3"x ¼" GALVANIZED STEEL ANGLES WELDED TO ROOF STRUCTURE (SPAN AT LEAST TWO BAR JOISTS). PROVIDE ON EACH SIDE PERPENDICULAR TO BAR JOISTS.

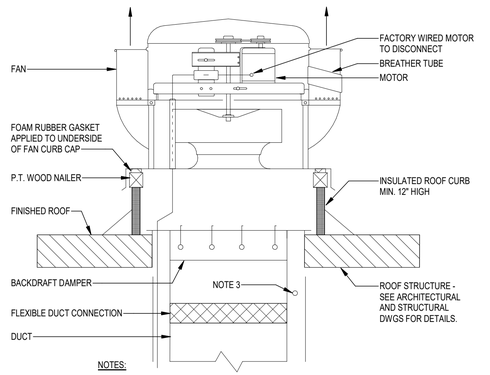
F GRAVITY ROOF VENTILATOR



NOTES:

1. SECURE HOOD TO ROOF CURB WITH SHEET METAL SCREWS @ 12" O.C. ALL AROUND.
2. SECURE CURB TO ROOF WITH SHEET METAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION AND AS NECESSARY TO MEET REQUIRED WIND LOADING.
3. SEE DETAIL J/M501 FOR ROOF CURB TIE-DOWN.

C UPBLAST ROOF EXHAUST FAN



NOTES:

1. SECURE FAN TO CURB AS NECESSARY TO MEET CODE REQUIRED WIND LOADING.
2. SECURE CURB TO ROOF WITH SHEET METAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION AND AS NECESSARY TO MEET CODE REQUIRED WIND LOADING.
3. MINIMUM 1 1/4" CLEARANCE FOR ELECTRICAL CONDUIT.
4. SEE DETAIL J/M501 FOR ROOF CURB TIE-DOWN.

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

Scott T. Craig Jr., P.E.

FL LICENSE NUMBER #73938

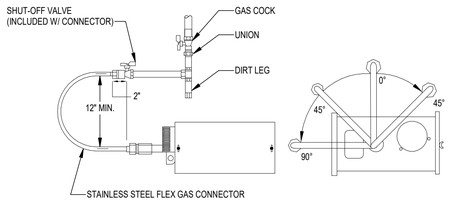
PROJECT NUMBER 144124059
DATE 01/17/2025
1/8" = 1'-0"
DESIGNED BY RDR
DRAWN BY MAW
CHECKED BY STC

DETAILS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
M501

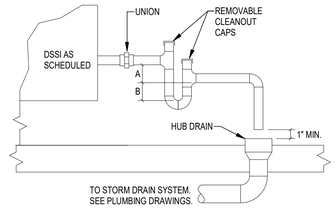
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NOTES:

1. GAS PIPE WORK MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH UNITED STATES ANSI Z 223.1/NFPA 54 LATEST ADDITION.
2. INSTALL THE STAINLESS STEEL FLEX GAS CONNECTOR AS SHOWN. THE FLEX GAS CONNECTOR ACCOMMODATES EXPANSION ON THE HEATING SYSTEM AND ALLOWS FOR EASY INSTALLATION AND SERVICE OF THE BURNER. ROBERTS GORDON P/N 91412200.
3. SHUT OFF VALVE MUST BE PARALLEL TO BURNER INLET. THE 2" DISPLACEMENT SHOWN IS FOR THE COLD CONDITION. THIS DISPLACEMENT MAY REDUCE WHEN THE SYSTEM IS FIRED.

G GAS FIRED RADIANT TUBE HEATER CONNECTION



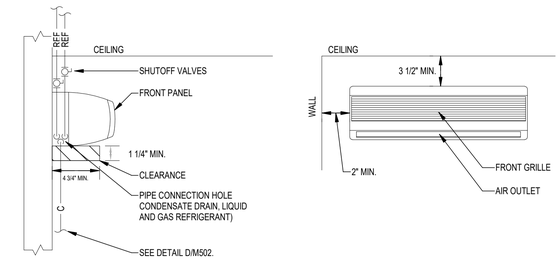
NOTES:

1. DRAIN LINE SHALL BE AT LEAST THE SAME SIZE AS THE CONNECTION ON THE DRAIN PAN (1" MIN.)
2. DRAIN LINE SHALL SLOPE 1/8" PER FOOT (MIN.)
3. SEE SPECIFICATIONS FOR PIPE AND INSULATION MATERIALS.

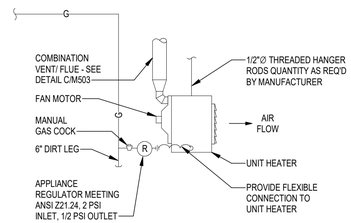
UNIT TYPE	A	B
DRAW-THRU	X PLUS 2"	X
BLOW-THRU	1" MIN.	2X

WHERE X=STATIC PRESSURE IN PAN

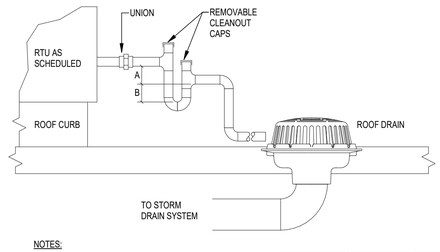
D CONDENSATE DRAIN - SPLIT SYSTEM



A DUCTLESS - WALL MOUNTED INDOOR UNIT



H GAS FIRED UNIT HEATER



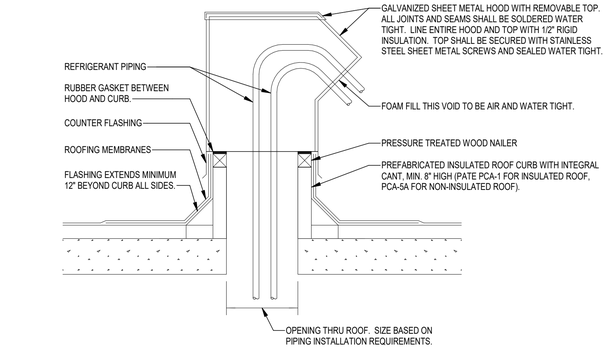
NOTES:

1. DRAIN LINE SHALL BE AT LEAST THE SAME SIZE AS THE CONNECTION ON THE DRAIN PAN (1" MIN.)
2. DRAIN LINE SHALL SLOPE 1/8" PER FOOT (MIN.)
3. SEE SPECIFICATIONS FOR PIPE AND INSULATION MATERIALS.

UNIT TYPE	A	B
DRAW-THRU	X PLUS 2"	X
BLOW-THRU	1" MIN.	2X

WHERE X=STATIC PRESSURE IN PAN

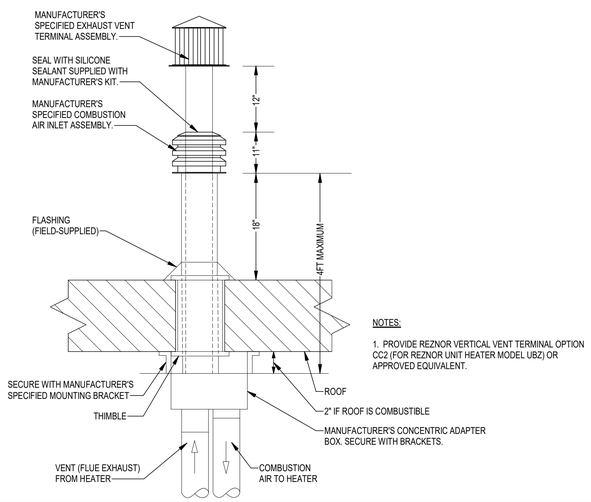
E CONDENSATE DRAIN - RTU



NOTES:

1. SECURE CURB TO ROOF WITH SHEETMETAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION.
2. SECURE COVER TO WOOD NAILING STRIP WITH 3/8" CADMIUM PLATED LAG BOLTS ON 12" MAX. CENTERS.
3. PROVIDE CONTINUOUS FOAM RUBBER GASKET APPLIED TO UNDERSIDE OF CURB CAP.

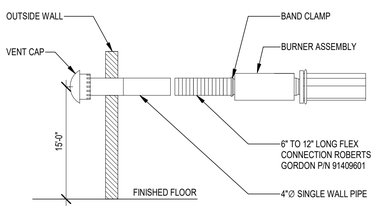
B REFRIGERANT PIPING HOOD DETAIL



NOTES:

1. PROVIDE REZNOR VERTICAL VENT TERMINAL OPTION CC2 (FOR REZNOR UNIT HEATER MODEL UBZ) OR APPROVED EQUIVALENT.

J VERTICAL VENT TERMINAL/COMBUSTION AIR INLET ASSEMBLY



NOTES:

A. FOR AN OUTSIDE AIR SUPPLY, SINGLE WALL DUCT MUST BE ATTACHED TO THE HEATER (SEE DETAILS ABOVE AND INSTALLATION, OPERATION AND SERVICE MANUAL FOR REQUIRED SIZES). THE DUCT MAY BE UP TO 45 FT. MAXIMUM LENGTH OR 2 FT. MINIMUM LENGTH WITH NO MORE THAN 2 ELBOWS.

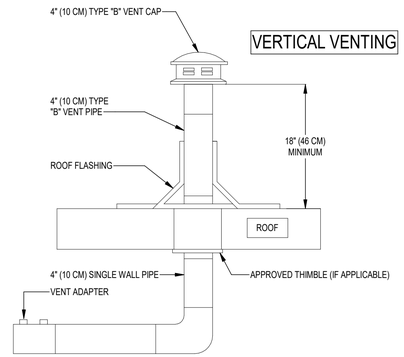
B. WHEN HEATER LENGTHS BEYOND MINIMUM HEATER LENGTHS ARE USED, THEY DIRECTLY EFFECT MAXIMUM COMBUSTION AIR DUCT AND HEATER VENT LENGTHS. REFER TO INSTALLATION, OPERATION AND SERVICE MANUAL FOR REQUIREMENTS.

C. THE OUTSIDE AIR TERMINAL MUST BE SECURELY FASTENED TO THE OUTSIDE WALL.

D. FOR THE OUTSIDE AIR TERMINAL, USE 4" METALBESTOS (RG P/N 90502300) FOR CTH3-80 OR EQUIVALENT.

E. THIS DETAIL IS SCHEMATIC AND GENERALLY INDICATES REQUIRED SCOPE. ALL MANUFACTURERS REQUIREMENTS MUST BE FOLLOWED.

F RADIANT TUBE HEATER COMBUSTION AIR INTAKE



NOTES:

A. REFER TO INSTALLATION, OPERATION AND SERVICE MANUAL FOR PROPER DESIGN.
B. TYPE "B" VENT MATERIALS MUST BE USED OUTDOORS.
C. AN INSULATING THIMBLE (P/N 90505600) IS REQUIRED TO PASS THROUGH COMBUSTIBLE STRUCTURES.
D. 4" (10 CM) O.D VENT PIPE, MAXIMUM 45 FT. (13.7M) IN LENGTH MAY BE USED AS SHOWN ABOVE WITH AN APPROVED VENT CAP (P/N 90502300). NOTE: CONDENSATE MAY DEVELOP WHEN LONG VENT PIPES ARE USED. IT IS RECOMMENDED THAT THE PIPE LENGTH SHOULD BE LESS THAN 20' (6M).
E. WHEN HEATER EXTENSION PACKAGES ARE USED, THEY DIRECTLY EFFECT MAXIMUM VENT LENGTH. REFER TO INSTALLATION, OPERATION AND SERVICE MANUAL FOR REQUIREMENTS.

C RADIANT TUBE HEATER VENTING - SINGLE STACK

No.	REVISIONS	DATE	BY

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Scott T. Craig Jr., P.E.
FL LICENSE NUMBER
#73938

PROJECT NUMBER	DESIGNED BY	RDR
144124059	DRAWN BY	MAW
DATE	CHECKED BY	STC
01/17/2025		
1/8" = 1'-0"		

DETAILS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
M502

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NOTES:
1. FIELD VERIFY ALL WIRING TERMINATIONS.
2. FIELD VERIFY ALL CONNECTIONS.
3. MOTOR STARTER AND ELECTRICAL POWER CONNECTIONS TO MOTOR STARTER AND MOTOR PROVIDED BY DIVISION 26.
4. CONTROL COMPONENTS AND ASSOCIATED WIRING PROVIDED BY DIVISION 25.

A	EXHAUST FAN CONTROLS

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

Scott T. Craig Jr., P.E.

FL LICENSE NUMBER
#73938

PROJECT NUMBER	144124059
DATE	01/17/2025
	1/8" = 1'-0"
DESIGNED BY	RDR
DRAWN BY	MAW
CHECKED BY	STC

CONTROLS

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

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LIGHTING FIXTURE SCHEDULE

GENERAL NOTES:
1.) CONTRACTOR SHALL COORDINATE FIXTURE TYPE WITH ARCHITECTURAL FINISH SCHEDULE(S). ARCHITECT SHALL CONFIRM FINISH OF ALL FIXTURES IN GUEST/PUBLIC AREAS.
2.) LIGHT FIXTURES DEEMED EQUAL TO THOSE SPECIFIED SHALL BE SUBMITTED FOR APPROVAL IN ACCORDANCE WITH SPECIFICATIONS.
3.) PROVIDE MOUNTING TRIM REQUIRED FOR CEILING TYPE INSTALLED.

TYPE	MANUFACTURER (OR EQUAL)	CATALOG NUMBER	LAMP POWER	LAMP QTY	LUMEN OUTPUT	CRI	COLOR TEMPERATURE	VOLTAGE	DESCRIPTION
A	DAYBRITE	2FPZ-38L-840-2-DS-UNV-DIM	33W	LED	3800	80	4000K	120-277V	2' x 2' LED TROFFER. DIE FORMED STEEL HOUSING, FROSTED ACRYLIC LENS, 0-10V DIMMING.
A2	DAYBRITE	2FPZ-54L-840-4-DS-UNV-DIM	42W	LED	5400	80	4000K	120-277V	2X4 LUMINOUS FLAT PANEL. DIE FORMED STEEL HOUSING, FROSTED ACRYLIC LENS. 0-10V DIMMING.
C	HE WILLIAMS	6DR-L30-840-DIM-UNV-LW-OF-WH-WH	27W	LED	3000	80	4000K	120-277V	6" ROUND RECESSED DOWNLIGHT. DIEFORMED STEEL HOUSING, FLUSH DIFFUSED ACRYLIC LENS, 60 DEGREE WIDE DISTRIBUTION. 0-10V DIMMING.
E	BEGHELLI	PX-R-SA	5W	LED			RED	120-277V	EMERGENCY EXIT FIXTURE. MOLDED THERMOPLASTIC HOUSING WITH RED LETTERING. SINGLE OR DOUBLE FACE AS REQUIRED.
E1	BEGHELLI	EL-SE-205LED-120/277	10W	LED				120-277V	EMERGENCY LIGHTING UNIT. 2 ADJUSTABLE LED LAMPS. LISTED FOR WET LOCATIONS.
F	HE WILLIAMS	75S-4-L65/840-DIM-UNV	33W	LED	6000	80	4000K	120-277V	4' LENSED LED STRIP FIXTURE WITH SQUARE, ACRYLIC LENS. SURFACE MOUNTED OR SUSPENDED. WHERE SUSPENDED MOUNT 10' AFF.
F1	BEGHELLI	BS100LED-X-4HT-HO-WT40-120-277V	100W	LED	12200	80	4000K	120-277V	4' LINEAR STRIP FIXTURE WITH DIFFUSED LENS AND VAPOR-TIGHT ENCLOSURE. WET LISTED. SUSPENDED OR SURFACE MOUNT. WHERE SUSPENDED, MOUNT 10' AFF UNO.
F2	HE WILLIAMS	75S-8-L170-8-840-DIM-UNV	115W	LED	16200	80	4000K	120-277V	8' LENSED LED STRIP FIXTURE WITH SQUARE, ACRYLIC LENS. SURFACE MOUNTED OR SUSPENDED. WHERE SUSPENDED MOUNT 10' AFF.
G	DAYBRITE	HCY-1421L-8CST-UN3-DIM	100W	LED	15300	80	4000K	120-277V	13" HIGHBAY SURFACE MOUNT FIXTURE WITH FROSTED LENS. 0-10V DIMMING. IMPACT RESISTANT LISTED FOR WET LOCATIONS. COLOR: BLACK.
K	HE WILLIAMS	WMAUD-2-L20/840U/L20/840/D - AF-UNV	33W	LED	3900	80	4000K	120-277V	2' SURFACE MOUNT VANITY FIXTURE. UP AND DOWN DISTRIBUTION WITH DIFFUSED ACRYLIC LENS. MOUNT WITH 6" OF SPACE BETWEEN THE BOTTOM OF THE FIXTURE AND THE TOP OF THE MIRROR.
W	HE WILLIAMS	VWPH-L30-70-40-T3-DBZ-EM/4W-DIM-UNV	36W	LED	3300	80	4000K	120-277V	EXTERIOR WALL PACK WITH COMFORT OPTICS AND TYPE 3 DISTRIBUTION. FINISH: BRONZE

AUDIBLE NOTIFICATION REQUIREMENTS

SPACE TYPE	SOUND LEVEL ABOVE AVERAGE AMBIENT (dB)	SOUND LEVEL ABOVE MAX. SOUND LEVEL (dB)	MINIMUM SOUND LEVEL (dBA)	MEASURED LOCATION	SIGNAL TYPE
GENERAL (EXCEPT AS LISTED BELOW)	15	5	N/A	5 FT. AFF	3-PULSE TEMPORAL
ELEVATORS	10	5	N/A	5 FT. AFF	3-PULSE TEMPORAL
SLEEPING AREAS	15	5	75	PILLOW	520 HZ SQUARE WAVE

NOTES:
1. TOTAL SOUND PRESSURE LEVEL SHALL NOT EXCEED 110 dB.
2. SEE TABLE "AVERAGE AMBIENT SOUND LEVELS" FOR TYPICAL AMBIENT SOUND LEVELS.

AVERAGE AMBIENT SOUND LEVELS

	AVERAGE AMBIENT SOUND LEVEL (dBA)
BUSINESS OCCUPANCIES	55
EDUCATIONAL OCCUPANCIES	45
INDUSTRIAL OCCUPANCIES	80
INSTITUTIONAL OCCUPANCIES	50
MERCANTILE OCCUPANCIES	40
MECHANICAL ROOMS	85
PLACES OF ASSEMBLY	55
RESIDENTIAL OCCUPANCIES	35
STORAGE OCCUPANCIES	30
UNDERGROUND STRUCTURES	40
WINDOWLESS BUILDINGS	40

NOTES:
1. THE SOUND LEVELS ABOVE ARE INTENDED FOR DESIGN GUIDANCE PURPOSES.
2. ACTUAL SOUND LEVEL MEASUREMENTS SHALL BE USED FOR TESTING AND COMPLIANCE.

CEILING-MOUNTED VISIBLE APPLIANCE SPACING

MAXIMUM ROOM SIZE (FT. x FT.)	MAXIMUM LENS HEIGHT (FT.)	MINIMUM REQUIRED LIGHT OUTPUT (CD)
20 x 20	10	15
30 x 30		30
40 x 40		60
44 x 44		75
20 x 20	20	30
30 x 30		45
44 x 44		75
46 x 46		80
20 x 20	30	55
30 x 30		75
50 x 50		95
53 x 53		110
55 x 55		115
59 x 59		135
63 x 63		150
68 x 68		177
70 x 70		185

NOTES:
1. MINIMUM REQUIRED LIGHT OUTPUT BASED ON ONE LIGHT PER ROOM.
2. MAXIMUM LENS HEIGHT DOES NOT PRECLUDE MOUNTING LENS AT LOWER HEIGHTS.

WALL-MOUNTED VISIBLE APPLIANCE SPACING

MAXIMUM ROOM SIZE (FT. x FT.)	MINIMUM REQUIRED LIGHT OUTPUT (CD)
20 x 20	15
28 x 28	30
30 x 30	34
40 x 40	60
45 x 45	75
50 x 50	94
54 x 54	110
55 x 55	115
60 x 60	135
63 x 63	150
68 x 68	177
70 x 70	184
80 x 80	240
90 x 90	304
100 x 100	375
110 x 110	455
120 x 120	540
130 x 130	635

NOTES:
1. MINIMUM REQUIRED LIGHT OUTPUT BASED ON ONE LIGHT PER ROOM.

FIRE ALARM NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH ALL CODES, ORDINANCES, RULES, AND REGULATIONS OF THE AUTHORITY HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. THE CONTRACTOR SHALL SUBMIT A SEPARATE PERMIT APPLICATION AND PLANS FOR REVIEW PER NFPA 1, §1.14.1 AND §1.13.2, FLORIDA 2015 EDITION.
3. ALL DUCT SMOKE DETECTORS SHALL BE FURNISHED BY DIVISION 29, INSTALLED IN THE DUCT BY DIVISION 23, AND WIRED TO DAMPER ACTUATOR AND FIRE ALARM SYSTEM BY DIVISION 29. COORDINATE INSTALLATION WITH DIVISION 23. DUCT SMOKE DETECTORS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SEE HVAC DRAWINGS FOR LOCATIONS OR INSTALL WHERE DIRECTED BY THE ENGINEER. EXACT PLACEMENT SHALL BE APPROVED BY THE FIRE ALARM SYSTEM SUPPLIER.
4. PROVIDE REMOTE TEST AND ALARM INDICATORS FOR DUCT DETECTORS LOCATED IN AREAS NOT READILY VISIBLE AND ACCESSIBLE ABOVE CEILINGS, OR AS INDICATED ON THE DRAWINGS.
5. SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS ARE PROVIDED BY DIVISION 23.
6. LIGHT FIXTURES AND HVAC DIFFUSERS TAKE PRECEDENCE. ADD ADDITIONAL DETECTORS AND NOTIFICATION APPLIANCES AS REQUIRED TO MAINTAIN COVERAGE REQUIREMENTS.
7. VISIBLE NOTIFICATION APPLIANCES WITHIN THE SAME ROOM OR WITHIN THE SAME FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION PER NFPA 72.
8. ALL EXTERIOR DEVICES SHALL HAVE WEATHERPROOF ENCLOSURES AND BE RATED IN ACCORDANCE WITH N.E.C., WHETHER INDICATED ON THE PLANS OR NOT. THE INSTALLER SHALL VERIFY ALL EXTERIOR DEVICES PRIOR TO ORDERING MATERIALS.
9. ALARM, SUPERVISORY, AND TROUBLE SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN APPROVED CENTRAL STATION, REMOTE SUPERVISING STATION, OR PROPRIETARY SUPERVISING STATION AS DEFINED BY NFPA 72 OR, WHEN APPROVED BY THE BUILDING OFFICIAL, SHALL SOUND AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.
10. PROVIDE SURGE PROTECTIVE DEVICES IN THE FACP FOR ALL SUPERVISED CIRCUITS.
11. ALL FIRE ALARM JUNCTION BOX COVERS SHALL BE PAINTED RED.
12. ALL SPLICES SHALL BE MADE WITH CRIMP CONNECTORS. NO WIRE NUTS SHALL BE USED.
13. ALL MAIN JUNCTION BOXES AND TERMINAL CABINETS SHALL BE PROVIDED WITH TERMINAL BLOCKS.
14. PROVIDE A HINGED. CLEAR PLASTIC SHIELD FOR EACH PULL STATION. LIFTING SHIELD SHALL INITIATE LOCAL AUDIBLE ALARM.
15. PROVIDE PROTECTION FOR FIRE ALARM DEVICES SUBJECT TO PHYSICAL DAMAGE. LOCATIONS INCLUDE MECHANICAL ROOMS. ELECTRICAL ROOMS, EQUIPMENT ROOMS AND STORAGE ROOMS.
16. MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS NOTED OTHERWISE.
17. THE CONSTRUCTOR SHALL CERTIFY AND TAG THE SYSTEM AFTER ALL MODIFICATIONS ARE MADE AND PRIOR TO SUBSTANTIAL COMPLETION.
18. PROVIDE A HINGED, CLEAR PLASTIC SHIELD FOR EACH PULLSTATION. LIFTING SHIELD SHALL INITIATE LOCAL AUDIBLE ALARM.
19. THE CONTRACTOR AND THE PPD SYSTEMS ELECTRONICS SHOP SHALL TEST THE FIRE ALARM SYSTEM BEFORE ANY RENOVATION OR MODIFICATION IS MADE. ANY PART OF THE SYSTEM NOT WORKING PROPERLY SHALL BE NOTED OR REPAIRED BEFORE ANY CONSTRUCTION BEGINS.

SYSTEM LAYOUT DOCUMENT REQUIREMENTS (ABOVE MINIMUM THRESHOLD)

1. THESE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS ARE INTENDED TO BE COMPLIANT WITH RULE 61G15-32.008, FLORIDA ADMINISTRATIVE CODE, AND REPRESENT THE DESIGN INTENT FOR THE FIRE ALARM SYSTEM.
   a. THE SCOPE OF THE PROJECT IS ABOVE THE THRESHOLD REQUIREMENTS FOR MANDATORY USE OF PROFESSIONAL ENGINEERING SERVICES, AS DEFINED IN FLORIDA BUILDING CODE 105.3.1.2. THEREFORE, THESE DOCUMENTS COMPLY WITH THE REQUIREMENTS OF RULE 61G15-32.008(4) "A" THROUGH "O", F.A.C.
   b. THE FIRE ALARM SYSTEM CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING APPROVED BY THE APPLICABLE NFPA CODES AND BY THE AUTHORITY HAVING JURISDICTION.
2. ENGAGE EITHER A LICENSED CONTRACTOR OR A QUALIFIED PROFESSIONAL ENGINEER TO PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS (AS DEFINED BY 61G15-32.002, F.A.C.) FOR THE FIRE ALARM SYSTEMS BASED UPON THE ENGINEERING DIRECTION (PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA) PROVIDED IN THE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS.
   a. IF PREPARED BY A LICENSED CONTRACTOR, THESE DOCUMENTS DO NOT REQUIRE THE SEAL OF A LICENSED ENGINEER.
   b. IF PREPARED BY A LICENSED ENGINEER, THESE DOCUMENTS ARE ENGINEERING DOCUMENTS AND THEREFORE REQUIRE SEALING BY A LICENSED ENGINEER.
3. PRIOR TO INSTALLATION, THE FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS, INCLUDING DESIGN CALCULATIONS, SUBMITTED TO THE ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION, INCLUDING THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO:
   a. FIRE ALARM SYSTEM WORKING PLANS, INCLUDING FIRE ALARM SYSTEM LAYOUT, DEVICE IDENTIFICATION, AND MOUNTING HEIGHT ELEVATIONS.
   b. FIRE ALARM SYSTEM RISER DIAGRAM.
   c. SEQUENCE OF OPERATION IN AN INPUT/OUTPUT MATRIX FORM OR NARRATIVE.
   d. BATTERY CAPACITY AND DE-RATING CALCULATIONS.
   e. VOLTAGE DROP CALCULATIONS FOR NOTIFICATION APPLIANCE CIRCUITS.
   f. LINE RESISTANCE CALCULATIONS.
   g. DESIGN CALCULATIONS FOR SELECTING THE SPACING AND SENSITIVITY OF DETECTION DEVICES.
   h. DESIGN CALCULATIONS FOR SELECTING THE SPACING AND AUDIBLE/VISIBLE CHARACTERISTICS OF NOTIFICATION APPLIANCES.
   i. PRODUCT DATA WITH SPECIFIC SYSTEM COMPONENTS IDENTIFIED.
   j. ANY ADDITIONAL INFORMATION REQUIRED TO COMPLY WITH CHAPTER 7 "DOCUMENTATION" IN NFPA 72.
4. SIZE BATTERIES TO PROVIDE A MINIMUM MARGIN OF SAFETY OF 20% ABOVE THE CALCULATED AMP-HOUR CAPACITY REQUIRED.
5. LAYOUT DRAWINGS CONTAINING MATERIAL DEVIATIONS (AS DEFINED BY 61G15-32.002, F.A.C.) SHALL BE ACCOMPANIED BY SEALED, SIGNED, AND DATED ENGINEERING DOCUMENTS.

POWER

SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE - GFCI - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE - ABOVE COUNTERTOP - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 6" ABOVE COUNTERTOP WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE - ABOVE COUNTERTOP - GFCI - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE - 120VOLT, 20AMP, 3 POLE GROUNDING TYPE WITH 1-USB TYPE A AND 1-USB TYPE C CHARGING PORTS, 3.1A CAPACITY. PROVIDE DECORATIVE FACEPLATE TO MATCH OTHER DEVICES IN ROOM. MOUNT 42" AFF UNLESS NOTED OTHERWISE. LEGRAND TR20USBACW OR EQUAL
SPD	SPD DUPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE. COLOR: BLUE
	QUADRAPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	SPECIAL PURPOSE RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF UNLESS NOTED OTHERWISE.
	SINGLE RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF, UNLESS NOTED OTHERWISE.
TV	DUPLEX RECEPTACLE SERVING TV - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 78" AFF (U.N.O.).
GFI	20A RETRACTABLE CORD REEL. 25 FOOT 12/3 CORD WITH DUPLEX/DUPLEX RECEPTACLES (120V, 20A, 3 POLE GROUNDING TYPE). LEGRAND 6AT2PAL.
	20A RETRACTABLE CORD REEL. 25 FOOT 12/3 CORD WITH DUPLEX/DUPLEX GFI RECEPTACLES (120V, 20A, 3 POLE GROUNDING TYPE). LEGRAND 6AT2PAL.
	POKE THROUGH FLOOR BOX WITH DUPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE
	POKE THROUGH FLOOR BOX WITH DUPLEX RECEPTACLE - SPLIT WIRED - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE
	4-GANG FLOOR BOX (ON GRADE). PROVIDE 2-DUPLEX RECEPTACLES (120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE) AND COMMUNICATIONS PLATE WITH 4 CAT 6 CONNECTORS. PROVIDE BLANK DEVICE PLATES FOR UNUSED COMPARTMENTS. ROUTE CONDUIT TO PULL BOX ABOVE CEILING. PROVIDE FLUSH COVER WITH CARPET INSERT (BLACK). LEGRAND EFB45S-OG / EFB8-MB / EFB45CTBK.
J	JUNCTION BOX - 4" SQUARE (UNO)
PB	PULL/JUNCTION BOX W/SCREW COVER (12"x12"x4" DEEP UNO)
S	30A TOGGLE DISCONNECT SWITCH. PROVIDE 1, 2 OR 3 POLE AS NECESSRY TO MATCH CONTROLLED CIRCUIT.
	WIRE IN CONDUIT - CONCEALED IN WALL OR CEILING.
	WIRE IN CONDUIT - CONCEALED IN FLOOR OR UNDERGROUND.
	CONDUIT - STUB OUT AND CAP
	HOMERUN TO PANEL - ARROW INDICATE NUMBER OF CIRCUITS. SHORT SLASH MARK(S) INDICATE NUMBER OF PHASE CONDUCTORS. LONG SLASH MARK(S) INDICATE NEUTRAL CONDUCTOR(S). LONG SLASH MARK WITH HOOK INDICATES GREEN GROUND WIRE; WHERE NOT SHOWN GROUND WIRE IS STILL REQUIRED IN EACH FEEDER, LIGHTING, RECEPTACLE, AND POWER BRANCH CIRCUIT. NO SLASH MARKS INDICATE 2 CURRENT CARRYING CONDUCTORS AND GROUND WIRE. THERE SHALL BE NO SHARED NEUTRALS BETWEEN MULTIPLE CIRCUITS.
	ELECTRICAL PANEL - 120/208 VOLT
	ELECTRICAL PANEL - 277/480 VOLT
	DISCONNECT SWITCH - SEE DRAWING FOR SIZE *
PGB	POWER GROUNDING BAR

* EQUIPMENT SIZES WILL BE INDICATED AS FOLLOWS:

STARTER NEMA SIZE (NO # SHOWN FOR DISC SWITCHES) — 1 / 30A / 3P / 3R / NF — 25AF — 25ACB
- AMP RATING & POLE QTY.
- NEMA ENCLOSED TYPE
- NON-FUSED (AS SHOWN)
- FUSED (AS SHOWN)
- CIRCUIT BREAKER AMPS (AS SHOWN)

LIGHTING AND LIGHTING CONTROLS

SYMBOL	DESCRIPTION
A##	LIGHT FIXTURE - CAPITAL LETTER INDICATES FIXTURE TYPE
	STRIP FIXTURE
	CAN FIXTURE
	EXIT LIGHT FIXTURE - PROVIDE ARROWS WHERE SHOWN. SHADING INDICATES FACE(S) OF EXIT LIGHT (POWERED EXIT SIGNS SHALL BE WIRED "UNSWITCHED")
	EMERGENCY LIGHTING UNIT
	POLE MOUNTED FIXTURE
	DENOTES WALL MOUNTED DEVICE
TC	TIME CLOCK - ASTRONOMIC, 365-DAY, SPST x 8, 120/277V, 20A. INTERMATIC ET9081CR OR EQUAL; PROVIDE NEMA 3R ENCLOSURE OUTDOORS, NEMA 4X ENCLOSURE IN WASHDOWN AREAS.
S	SINGLE-POLE TOGGLE SWITCH - 120/277 VOLT, 20 AMP, MOUNT 48" AFF
S_3	THREE-WAY SWITCH - 120/277 VOLT, 20 AMP, MOUNT 48" AFF
$B_{\#}$	DIGITAL ON/OFF WALL SWITCH, # INDICATES CONTROLLED ZONES. MOUNT 48" AFF. (WATTSTOPPER LMSW-101 OR EQUAL).
$RC_{\#}$	DIGITAL ROOM CONTROLLER, 10A, 0-10V DIMMING CONTROL, # INDICATES CONTROLLED ZONES. (WATTSTOPPER LMRC-110, OR EQUAL)
$V_{\#}$	LINE VOLTAGE VACANCY SENSOR - WALL, DUAL TECH, # RELAYS. WHERE OMMITTED PROVIDE 1-RELAY. MOUNT 48" AFF. (WATTSTOPPER; DW-100, DW-200 OR EQUAL)
M	LINE VOLTAGE OCCUPANCY SENSOR - CEILING MOUNTED, DUAL TECHNOLOGY (WATTSTOPPER; DT-355 OR EQUAL)
M	DIGITAL OCCUPANCY SENSOR - CEILING MOUNTED, DUAL TECHNOLOGY (WATTSTOPPER- LMDC 100 OR EQUAL)

LIGHTING ZONE RELAY DENOTED AS R#.
LETTER INDICATES CONTROL TYPE.
E= EMERGENCY
R=RELAY
D=DIMMING

A1 — FIXTURE TYPE
R1 — LIGHTING ZONE

TELECOMMUNICATION RACEWAYS

SYMBOL	DESCRIPTION
	COMMUNICATIONS TERMINAL OUTLET - 2 GANG OUTLET BOX, 2 1/8" DEEP WITH 1-GANG PLASTER RING. MOUNT AT 18" AFF. ROUTE 1" CONDUIT UP WALL AND ABOVE ACCESSIBE CEILING. PROVIDE BUSHING
CBB	COMMUNICATIONS BACKBOARD - EXTERIOR GRADE PLYWOOD. 8' HIGH X 3/4" THICK ON 3 WALLS OF ROOM AS SHOWN ON PLANS. PAINT 2 COAT OF GRAY FIRE RETARDANT PAINT.
TGB	TELECOMMUNICATIONS GROUNDING BAR. REFER TO SPECIFCATION SECTION 260526 "GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS." [PROVIDE #6 GRD. WIRE WITH 8FT. OF COILED SLACK. ROUTE #6 IN 1/2"C. TO MAIN BLDG. GRD.]

ELECTRICAL GENERAL NOTES

1. WIRING SHALL BE COPPER, TYPE THHN/THWN-2 IN RACEWAY UNLESS NOTED OTHERWISE. RIGID ELECTRICAL NON-METALLIC TUBING (ENT) SHALL BE USED IN SLABS AND BELOW GRADE ; RIGID STEEL CONDUIT (RSC) SHALL BE USED WHERE EXPOSED TO PHYSICAL DAMAGE; ELECTRICAL METALLIC TUBING (EMT) MAY BE USED ELSEWHERE WHERE APPROVED BY N.E.C. AND LOCAL CODES. FLEXIBLE METAL CONDUIT (FMC) SHALL BE STEEL AND SHALL BE USED TO CONNECT MOVEABLE EQUIPMENT AND/OR SUBJECT TO VIBRATION; LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LFMC) SHALL BE USED OUTDOORS OR WHERE SUBJECT TO MOISTURE.
2. CONDUIT SHALL BE STRAPPED IN ACCORDANCE WITH REQUIREMENTS OF N.E.C.
3. CONTRACTOR SHALL BOND AND GROUND SYSTEMS AND EQUIPMENT PER ARTICLE 250 OF N.E.C. PROVIDE A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH ARTICLE 250-122 N.E.C. ON ALL RECEPTACLES AND POWER BRANCH CIRCUITS.
4. LIGHTING FIXTURES SHALL BE SECURELY FASTENED AND SUPPORTED PER N.E.C.
5. THE CONTRACTOR SHALL COORDINATE THE CIRCUIT REQUIREMENTS WITH THE MANUFACTURER OF THE ACTUAL EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF WORK. THE CIRCUIT BREAKER, WIRE AND CONDUIT SHALL BE SIZED AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
6. CIRCUIT BREAKERS SHALL BE BOLT-IN TYPE.
7. PROVIDE A LAMINATED PLASTIC NAMEPLATE IDENTIFYING EACH NEW PANELBOARD, MOTOR STARTER AND DISCONNECT SWITCH. LETTERING SHALL BE 1/2" MINIMUM AND SHALL IDENTIFY EQUIPMENT SERVED, FEEDER ORIGINATION AND CIRCUIT NUMBER. SECURE NAMEPLATE WITH SCREWS TO EQUIPMENT TO BE IDENTIFIED. PLASTIC TAPE IS NOT APPROVED.
8. MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS THAT REQUIRE ELECTRICAL CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.
9. DUCT SMOKE DETECTORS SHALL BE FURNISHED AND WIRED UNDER DIVISION 26. COORDINATE INSTALLATION WITH DIVISION 23. INSTALL DUCT SMOKE DETECTORS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. SEE HVAC DRAWINGS FOR LOCATIONS OR INSTALL WHERE DIRECTED BY THE ENGINEER. EXACT DUCT SMOKE DETECTOR PLACEMENTS SHALL BE APPROVED BY THE FIRE ALARM SYSTEM SUPPLIER.
10. A 120V/20A GFI RECEPTACLE SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE RECEPTACLE SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25 FT OF THE HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT DISCONNECTING MEANS.
11. DEVICE MOUNTING HEIGHTS INDICATED SHALL BE TO OUTLET BOX CENTER LINE.
12. EXTERIOR DEVICES SHALL BE WEATHER PROOF ENCLOSURES AND GFI RATED IN ACCORDANCE WITH N.E.C. INSTALLER REQUIRED TO VERIFY PRIOR TO ORDERING MATERIALS.
13. WHERE THE PREMISE WIRING SYSTEM HAS FEEDERS AND/OR BRANCH CIRCUITS SUPPLIED FROM MORE THAN ONE NOMINAL VOLTAGE SYSTEM, EACH FEEDER, UNGROUNDED CONDUCTOR, AND GROUNDED CONDUCTOR SHALL BE IDENTIFIED BY PHASE OR LINE AND SYSTEM AT ALL TERMINATION, CONNECTION, AND SPLICE POINTS. IDENTIFICATION MEANS SHALL BE PERMANENTLY POSTED AT EACH PANEL-BOARD OR SIMILAR DISTRIBUTION EQUIPMENT WITH LABEL. LABEL SHALL BE 1/8-INCH THICK PLASTIC WITH BLACK BACKGROUND AND 1/4-INCH HIGH WHITE LETTERS ATTACHED WITH CONTACT TYPE PERMANENT ADHESIVE. SEE FIGURE BELOW FOR TYPICAL LABEL DESIGN.

VOLTAGE 208Y/120V		VOLTAGE 480Y/277V	
PHASE A	BLACK	PHASE A	BROWN
PHASE B	RED	PHASE B	ORANGE
PHASE C	BLUE	PHASE C	YELLOW
NEUTRAL	WHITE	NEUTRAL	GRAY

ELECTRICAL COMMISSIONING NOTES

1. THE BUILDING LIGHTING CONTROL SYSTEMS SHALL BE COMMISSIONED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE – ENERGY CONSERVATION, SECTION C408 "SYSTEMS COMMISSIONING".
2. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR PROVIDING THE SERVICES OF AN APPROVED COMMISSIONING PROVIDER FROM ONE OF THE FOLLOWING PROVIDERS:
   a. H2ENGINEERING
   b. MOSES ENGINEERING
   c. MITCHELL GULLEDGE ENGINEERING
3. LIGHTING CONTROL SYSTEM TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. TESTING SHALL BE PERFORMED ON SYSTEMS INCLUDING OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTOSENSORS, AND DAYLIGHT CONTROLS.
4. A COMMISSIONING PLAN SHALL BE DEVELOPED BY THE COMMISSIONING PROVIDER AND SHALL INCLUDE THE FOLLOWING ITEMS: (1) A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING, INCLUDING THE PERSONNEL INTENDED TO ACCOMPLISH EACH OF THE ACTIVITIES; (2) A LISTING OF THE SPECIFIC EQUIPMENT, APPLIANCES, OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED; (3) FUNCTIONS TO BE TESTED, INCLUDING BUT NOT LIMITED TO, CALIBRATIONS AND CONTROLS; (4) CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED, INCLUDING BUT NOT LIMITED TO, AFFIRMING WINTER AND SUMMER DESIGN CONDITIONS AND FULL OUTSIDE AIR CONDITIONS; (5) MEASURABLE CRITERIA FOR PERFORMANCE.
5. PRIOR TO PASSING THE FINAL INSPECTION, THE COMMISSIONING PROVIDER SHALL PROVIDE EVIDENCE OF SYSTEMS COMMISSIONING AND COMPLETION. A COMPLETED PRELIMINARY REPORT THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE PROVIDED TO THE OWNER, CERTIFIED BY THE COMMISSIONING PROVIDER. THE REPORT SHALL BE IDENTIFIED AS "PRELIMINARY COMMISSIONING REPORT" AND SHALL IDENTIFY: (1) ITEMIZATION OF DEFICIENCIES FOUND DURING TESTING THAT HAVE NOT BEEN CORRECTED AT THE TIME OF THE REPORT PREPARATION; (2) DEFERRED TESTS THAT CANNOT BE PERFORMED DUE TO CLIMATIC CONDITIONS; AND (3) CLIMATIC CONDITIONS REQUIRED FOR PERFORMANCE OF DEFERRED TESTS. THE PRELIMINARY COMMISSIONING REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL AT THEIR REQUEST.
6. WITHIN 90 DAYS OF CERTIFICATE OF OCCUPANCY, PROVIDE THE FINAL COMMISSIONING REPORT TO OWNER. THE REPORT SHALL BE IDENTIFIED AS "FINAL COMMISSIONING REPORT" AND SHALL INCLUDE (1) RESULTS OF FUNCTIONAL PERFORMANCE TESTS; (2) DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED; (3) FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS, INCLUDING MEASURED CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY. EXCEPTION: DEFERRED TESTS WHICH CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION FOR CLIMATIC CONDITIONS.

FIRE ALARM

SYMBOL	DESCRIPTION
FAAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
F	MANUAL FIRE ALARM PULL STATION - MOUNT 48" AFF UNLESS NOTED OTHERWISE
F #	FIRE ALARM HORN STROBE - MOUNT 80" AFF TO BOTTOM OF STROBE UNO. VISIBLE APPLIANCES WITHIN SAME ROOM OR WITHIN FIELD OF VIEW SHALL FLASH IN SUBMIT A SYNCHRONIZATION PER NFPA 72. ("#" INDICATES CANDELA RATING. 95 CD IF OMITTED OR NOTED OTHERWISE). COLOR: WHITE
F #	FIRE ALARM STROBE - MOUNT 80" AFF TO BOTTOM OF STROBE UNO. VISIBLE APPLIANCES WITHIN SAME ROOM OR WITHIN FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION PER NFPA 72. ("#" INDICATES CANDELA RATING. 95 CD IF OMITTED OR NOTED OTHERWISE). COLOR: WHITE
F #	FIRE ALARM STROBE - CEILING MOUNT. VISIBLE APPLIANCES WITHIN SAME ROOM OR WITHIN FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION PER NFPA 72. "#" INDICATES CANDELA RATING. 95 CD IF OMITTED OR NOTED OTHERWISE. COLOR: WHITE
F #	FIRE ALARM HORN STROBE - CEILING MOUNT. VISIBLE APPLIANCES WITHIN SAME ROOM OR WITHIN FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION PER NFPA 72. "#" INDICATES CANDELA RATING. 95 CD IF OMITTED OR NOTED OTHERWISE. COLOR: WHITE
S	SYSTEM SMOKE DETECTOR - CEILING MOUNT
H	HEAT DETECTOR - CEILING MOUNTED
CO	CARBON MONOXIDE DETECTOR - CEILING MOUNTED
	SYSTEM SMOKE DETECTOR - DUCT MOUNTED
AIM	ADDRESSIBLE INTERFACE MODULE - CONNECTED TO FIRE ALARM SYSTEM
SD	SMOKE DAMPERS BY DIV 23. PROVIDE POWER AND CONTROL SIGNAL AS REQUIRED TO CLOSE DAMPER UPON ACTIVATION OF THE FIRE ALARM SYSTEM.

SYSTEMS

SYMBOL	DESCRIPTION
CR	CARD READER 1-GANG BACK BOX 2 1/8" DEEP WITH 1-GANG PLASTER RING. ROUTE 3/4"C. UP WALL AND TERMINATE ABOVE CELING WITH BUSHING. SECURITY DEVICE AND WIRING BY OTHERS

GENERAL NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2017, THE FLORIDA FIRE PREVENTION CODE, THE NATIONAL ELECTRICAL CODE 2014 EDITION, AND ALL CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
3. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
4. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
5. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
6. CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
7. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
8. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
9. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
10. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
11. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
12. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
13. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
14. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
15. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
16. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
17. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, BLACKBOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
18. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
19. ENTRY AND REMOVAL OF EQUIPMENT FROM THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR ANY DAMAGED MATERIALS TO THEIR ORIGINAL CONDITION. SURFACES SHALL BE REPAIRED TO MATCH THE EXISTING ADJACENT UNDAMAGED SURFACES.
20. PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.
21. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
22. ALL EXTERIOR STRUCTURES SHALL BE INSTALLED TO RESIST 110 MPH WIND LOAD.
23. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE WALL ASSEMBLIES AND ACOUSTICAL WALLS.
24. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
25. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
26. PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE, CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED.
27. SEAL ALL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.
28. REPLACE ALL SIDEWALKS DAMAGED BY OR DURING CONSTRUCTION OF THIS PROJECT.
29. REMOVE ALL SHRUBBERY, PLANTS, ETC. WHICH INTERFERE WITH WORK UNDER THIS CONTRACT. REPLANT AND/OR REPLACE ALL PLANTS, SHRUBBERY, ETC. AT COMPLETION OF JOB. ALL DISTURBED AREAS OF SOIL SHALL BE RE-SODDED. REPLACEMENT OR REPLANTING TO BE GUARANTEED FOR ONE YEAR.
30. ALARM, SUPERVISORY AND TROUBLE SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN APPROVED CENTRAL STATION, REMOTE SUPERVISING STATION OR PROPRIETARY SUPERVISING STATION AS DEFINED IN NFPA 72 OR, WHEN APPROVED BY THE BUILDING OFFICIAL, SHALL SOUND AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION. COORDINATE WITH DIVISION 15 CONTRACTOR AS REQUIRED.
31. FIRE ALARM DRAWINGS INDICATE DESIGN INTENT. ACTUAL DEVICE TYPES. QUANTITIES AND LOCATIONS SHALL BE VERIFIED BY THE FIRE ALARM CONTRACTOR TO MEET ALL APPLICABLE CODES AND STANDARDS. ANY DEVIATIONS FROM THE DRAWINGS SHALL BE INDICATED ON FIRE ALARM SHOP DRAWINGS SUBMITTED BY THE FIRE ALARM CONTRACTOR.
32. CONTRACTOR SHALL COMPLY WITH "TRENCH SAFETY ACT" (FLORIDA STATUTE 553 PART III) AND OSHA STANDARD 29 CFR 1926.650 SUBPART P FOR ALL UTILITY TRENCHES IN EXCESS OF 5 FEET DEEP. CONTRACTOR SHALL INDICATE WITHIN HIS BID RESPONSE A REFERENCE TO THE TRENCH SAFETY STANDARD AND A SEPARATE LINE ITEM COST OF COMPLIANCE WITH STANDARD.

ABBREVIATIONS

ACT	ABOVE COUNTERTOP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
CLG	DEVICE LOCATED ON CEILING
CNT	CONTACTOR
DN	DOWN
EC	ELECTRICAL CONTRACTOR
EM	FIXTURE PROVIDED WITH EMERGENCY BATTERY
EWC	ELECTRIC WATER COOLER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID CONDUIT
PGB	POWER GROUNDING BAR
PNL	ELECTRICAL PANEL
TC	TIME CLOCK
TGB	TELECOMMUNICATIONS GROUNDING BAR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF

DRAWING INDEX

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E103	LIGHTING FLOOR PLAN - BUILDING C
E201	POWER FLOOR PLAN - BUILDING A
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E203	POWER FLOOR PLAN - BUILDING C
E204	ELECTRICAL ROOF PLAN - BUILDING A
E205	ELECTRICAL ROOF PLAN - BUILDING B
E206	ELECTRICAL ROOF PLAN - BUILDING C
E300	FIRE ALARM RISER & ONE LINE DIAGRAM
E301	GROUNDING RISER
E400	PANEL SCHEDULES
E401	PANEL SCHEDULES
E402	PANEL SCHEDULES
E403	PANEL SCHEDULES
E500	DETAILS
E501	DETAILS
E502	DETAILS - LIGHTNING PROTECTION

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Anthony D Wyrick, P.E.
FL LICENSE NUMBER
#98346

PROJECT NUMBER 144124059
DATE 01/17/2025
1/8" = 1'-0"
DESIGNED BY ADW
DRAWN BY GAG
CHECKED BY ADW

GENERAL NOTES AND LEGENDS

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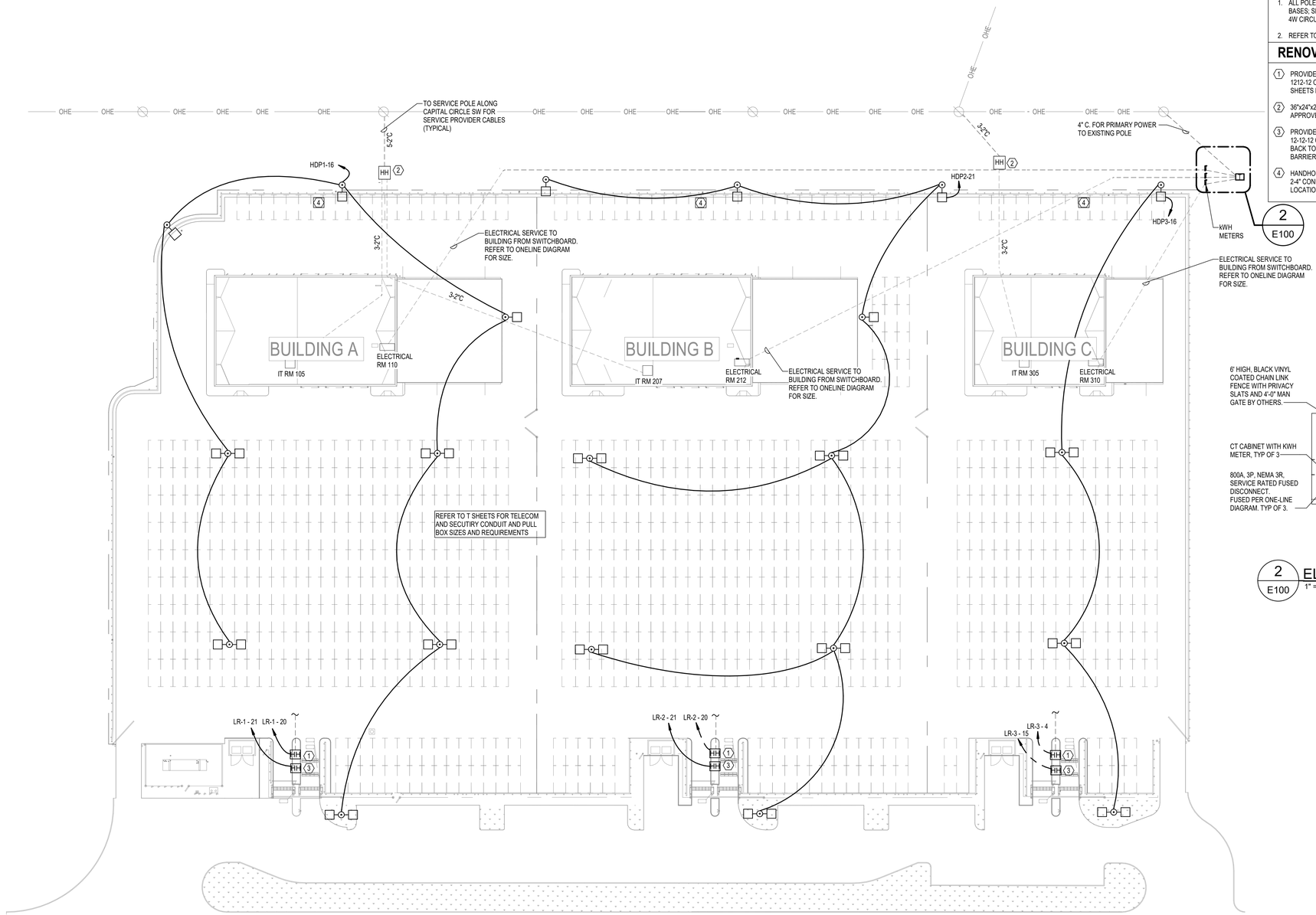
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RENOVATION GENERAL NOTES

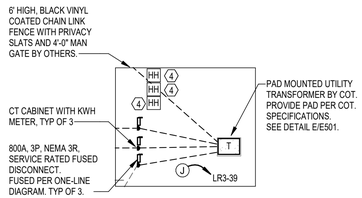
1. ALL POLE FIXTURES SHALL BE TYPE 'B' UNO. NEW POLE MOUNT LIGHT FIXTURES SHALL BE ON CONCRETE BASES; SEE DETAIL E/E500. CONNECT EACH 277/1PHASE FIXTURE TO ONE PHASE AND NEUTRAL OF 3-PHASE, 4W CIRCUIT. ALTERNATE FIXTURES ON A,B,C PHASES SO EQUAL NUMBER OF FIXTURES ON EACH PHASE.
2. REFER TO ONE-LINE DIAGRAM FOR FEEDER SIZES.

RENOVATION KEYNOTES

1. PROVIDE 12"x12"x12" POLYMER CONCRETE HANDHOLE WITH "GATE CONTROLS" IN LID; OLD CASTLE POLYMER 1212-12 OR APPROVED EQUAL. ROUTE 1-1"CONDUIT FROM HANDHOLE BACK TO IT ROOM IN BUILDING, SEE T-SHEETS FOR MORE INFORMATION.
2. 36"x24"x24" POLYMER CONCRETE HANDHOLE WITH "TELECOM" IN LID. OLDCASTLE POLYMER 2436-24 OR APPROVED EQUAL.
3. PROVIDE 12"x12"x12" POLYMER CONCRETE HANDHOLE WITH "GATE POWER" IN LID; OLD CASTLE POLYMER 12-12-12 OR APPROVED EQUAL. ROUTE TWO GATE CIRCUITS THROUGH SINGLE 2" CONDUIT FROM HANDHOLE BACK TO POWER PANEL AND CIRCUIT DESIGNATED. ROUTE 2-#8, 1-#8G, 1"C FROM HAND HOLD TO EACH PLATE BARRIER.
4. HANDHOLE FOR FUTURE ELECTRIC VEHICLE CHARGING STATIONS. #OLDCASTLE CHRISTY G12 OR EQUAL. RUN 2-4" CONDUIT BACK TO ASSOCIATED HANDHOLE IN ELECTRICAL UTILITY YARD. CONFIRM FINAL HANDHOLE LOCATIONS WITH OWNER.

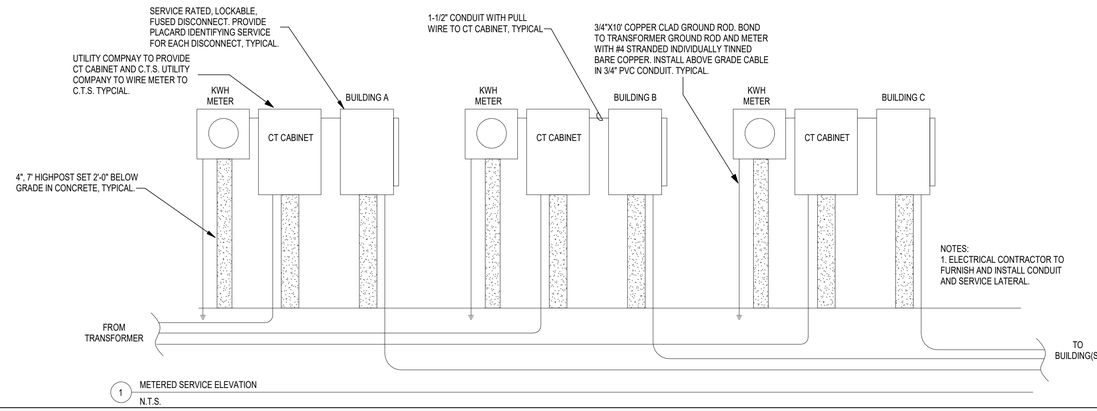


2 E100 ELECTRICAL UTILITY YARD
1" = 20'-0"





1 ELECTRICAL SITE PLAN
1" = 40'-0"



1 METERED SERVICE ELEVATION
N.T.S.

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Anthony D Wyrick, P.E.
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#98346

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144124059	ADW	GAG	ADW
DATE			
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As indicated			

ELECTRICAL SITE PLAN

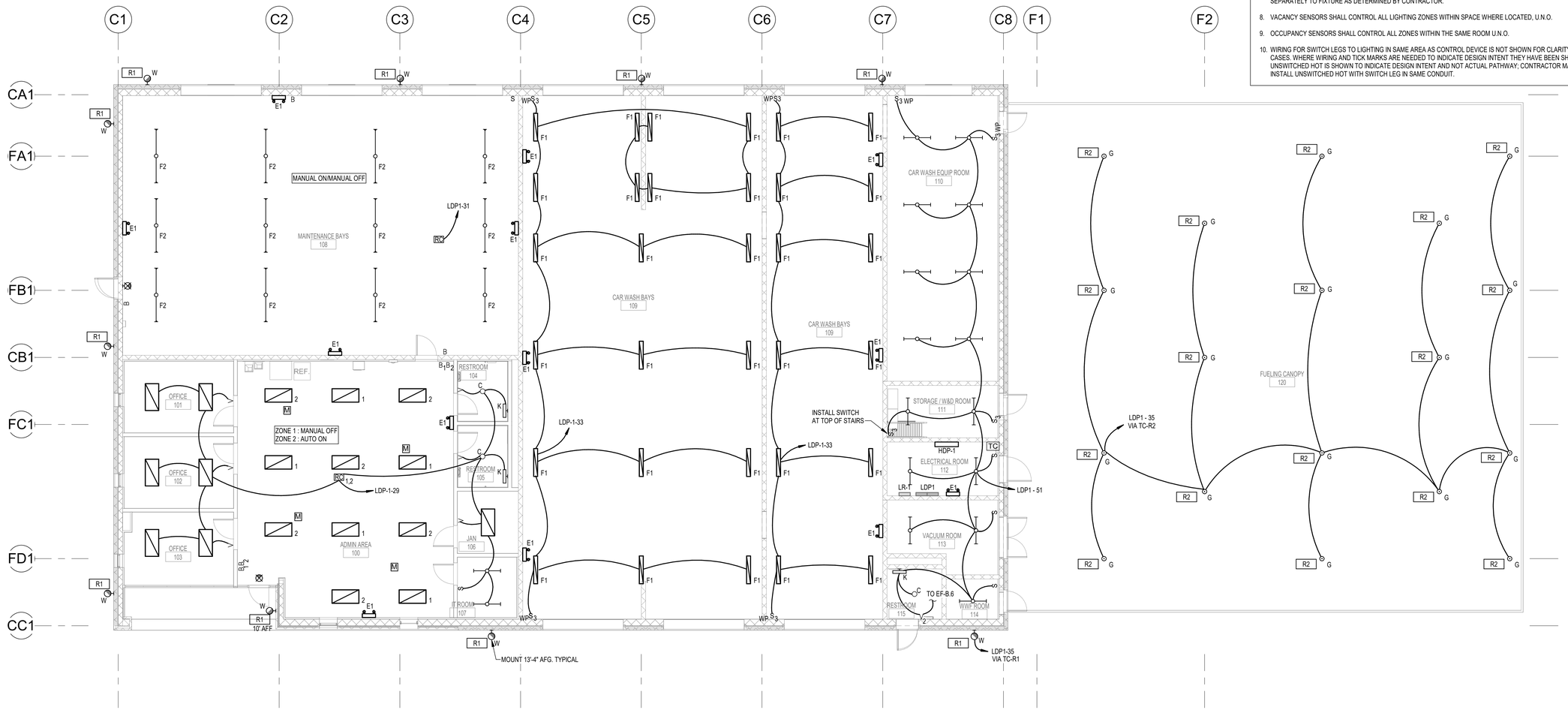
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BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 1/8" = 1'-0" **LIGHTING FLOOR PLAN - BUILDING A**

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DRAWN BY	GAG
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LIGHTING FLOOR PLAN - BUILDING A

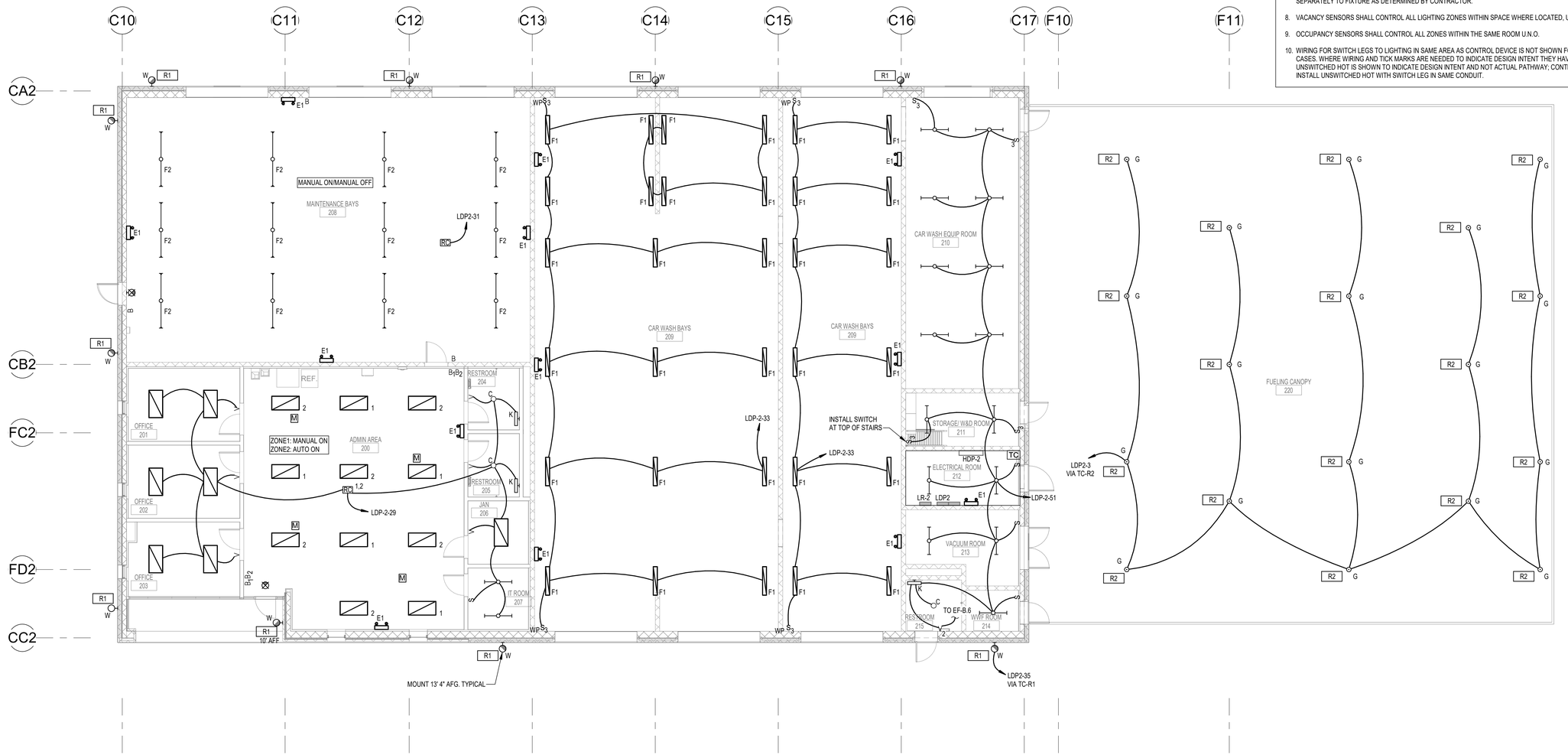
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BUILDING A | BUILDING B | BUILDING C

SITE KEY

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	DRAWN BY	GAG	
	CHECKED BY	ADW	

LIGHTING FLOOR PLAN - BUILDING B

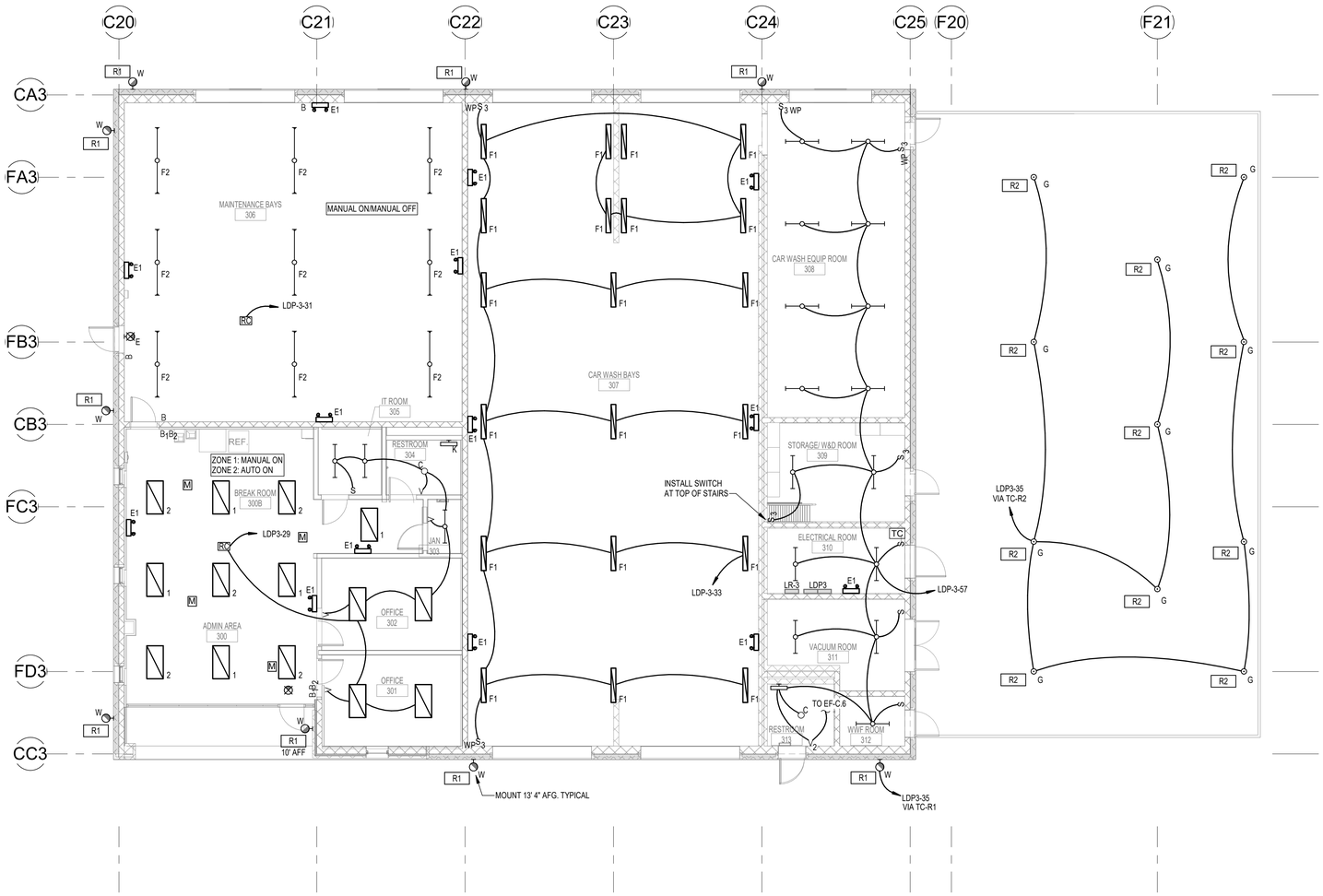
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1 1/8" = 1'-0" **LIGHTING FLOOR PLAN - BUILDING C**

BUILDING A | BUILDING B | BUILDING C

SITE KEY

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Anthony D Wyrick, P.E.

FL LICENSE NUMBER
#98346

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LIGHTING FLOOR PLAN - BUILDING C

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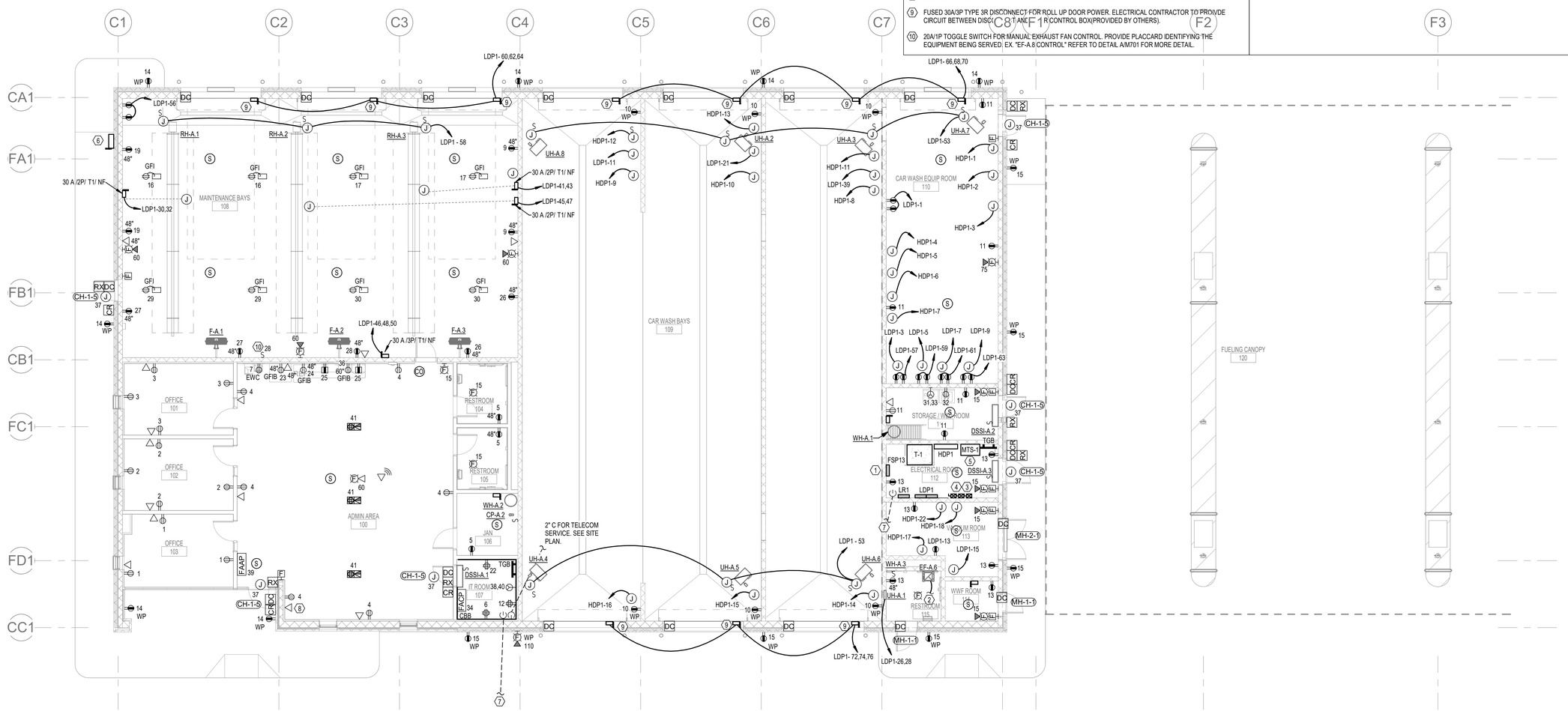
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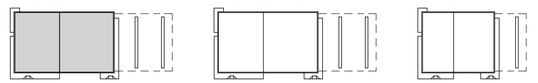
1. ELECTRICAL AND CONTROL PANELS BY CARWASH & FUELING ELECTRIC CONTRACTOR. SEE QE SHEETS FOR MORE INFORMATION.
2. TO OCCUPANCY SENSOR SHOWN ON SHEET E101.
3. PROVIDE SIZE 0, 208VAC/3-POLE, NON-REVERSING MOTOR STARTER IN TYPE 1 ENCLOSURE WITH 120VAC COIL, H-O-A SELECTOR SWITCH AND RUN/STOP INDICATOR LIGHTS FOR ROOFTOP EXHAUST FANS EFA.2 & EFA.3. PROVIDE 120VAC CIRCUIT FROM PANEL LDP1 (2#12,1-#12G,1-1/2"C) TO EACH STARTER VIA TIMECLOCK IN ROOM 110; CIRCUIT CONTROL CIRCUIT THROUGH SEPARATE RELAY (R3 & R4) FOR EACH FAN.
4. PROVIDE SIZE 0, 208VAC/2-POLE, NON-REVERSING MOTOR STARTER IN TYPE 1 ENCLOSURE WITH 120VAC COIL, H-O-A SELECTOR SWITCH AND RUN/STOP INDICATOR LIGHTS FOR ROOFTOP EXHAUST FANS EFA.4. PROVIDE 120VAC CIRCUIT FROM PANEL LDP1 (2#12,1-#12G,1-1/2"C) TO EACH STARTER VIA TIMECLOCK IN ROOM 110; CIRCUIT CONTROL CIRCUIT THROUGH DEDICATED RELAY (R5).
5. 800A, 3 PHASE, NONFUSED, NEMA 1, SINGLE-THROW MANUAL TRANSFER SWITCH. PROVIDE LABELS FOR SWITCH POSITIONS "UTILITY SERVICE" , "GENERATOR". #ASCO SERIES 300 MTS OR APPROVED EQUAL.
6. 800A, 480V, 3 PHASE, NEMA 3R, GENERATOR QUICK CONNECT PANEL.
7. TO SECURITY GATE. REFER TO T SHEETS FOR MORE INFORMATION.
8. COORDINATE LOCATION AND MOUNTING HEIGHT OF POWER AND DATA FOR OWNER PROVIDED EQUIPMENT.
9. FUSED 30A/3P TYPE 3R DISCONNECT FOR ROLL UP DOOR POWER. ELECTRICAL CONTRACTOR TO PROVIDE CIRCUIT BETWEEN DISCONNECT AND R CONTROL BOX(PROVIDED BY OTHERS).
10. 20A/1P TOGGLE SWITCH FOR MANUAL EXHAUST FAN CONTROL. PROVIDE PLACCARD IDENTIFYING THE EQUIPMENT BEING SERVED. EX. "EF-A.8 CONTROL" REFER TO DETAIL A/M701 FOR MORE DETAIL.

GENERAL NOTES

1. DEVICES ON SHEET E201, E202, AND E203 SHALL BE POWERED FROM PANELS LR-1, LR-2 AND LR-3 RESPECTIVELY, UNO. DEVICES ARE LABELED WITH CIRCUIT NUMBER CORRESPONDING TO DESIGNATED PANEL.
2. MECHANICAL EQUIPMENT DISCONNECTS SHOWN ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXACT LOCATION WITH ARCHITECT IN ACCORDANCE WITH NEC 2017 APPLICABLE REQUIRED WORKING CLEARANCES PRIOR TO ROUGH IN. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E400 FOR CIRCUITING INFORMATION.
3. LOCATIONS OF PULL BOXES AND CONTOLLERS ON PLANS (DRC, RC, PC, ELCR, LTS, ETC.) IS DIAGRAMATIC AND SHOWN FOR CLARITY. COORDINATE EXPOSED LOCATIONS WITH ARCHITECT, GENERALLY LAYOUT SHALL BE NEAT, ORGANIZED AND IN-LINE WITH EXPOSED RACEWAYS AND BUILDING LINES. IN ROOMS/AREAS WITH INACCESSIBLE CEILINGS LOCATE DEVICES IN ADJACENT ACCESSIBLE SPACE OR PROVIDE CEILING ACCESS PANEL; COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT.
4. LOCATION OF CEILING MOUNT AND WALL MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO ARCHITECTURAL RCP PLAN FOR EXACT LOCATION OF ALL CEILING MOUNT DEVICES. WHERE NOT INDICATED ON ARCHITECT'S RCP PLAN COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH ARCHITECT FOR FINAL LOCATION OF ALL EXTERIOR AND INTERIOR WALL MOUNT DEVICES.



1 1/8" = 1'-0" **POWER FLOOR PLAN - BUILDING A**



SITE KEY

No.	REVISIONS	DATE	BY

Kimley»Horn

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LICENSED PROFESSIONAL

Anthony D Wyrick, P.E.

FL LICENSE NUMBER
#98346

PROJECT NUMBER	
144124059	
DATE	
01/17/2025	
1/8" = 1'-0"	
DESIGNED BY	ADW
DRAWN BY	GAG
CHECKED BY	ADW

POWER FLOOR PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
E201

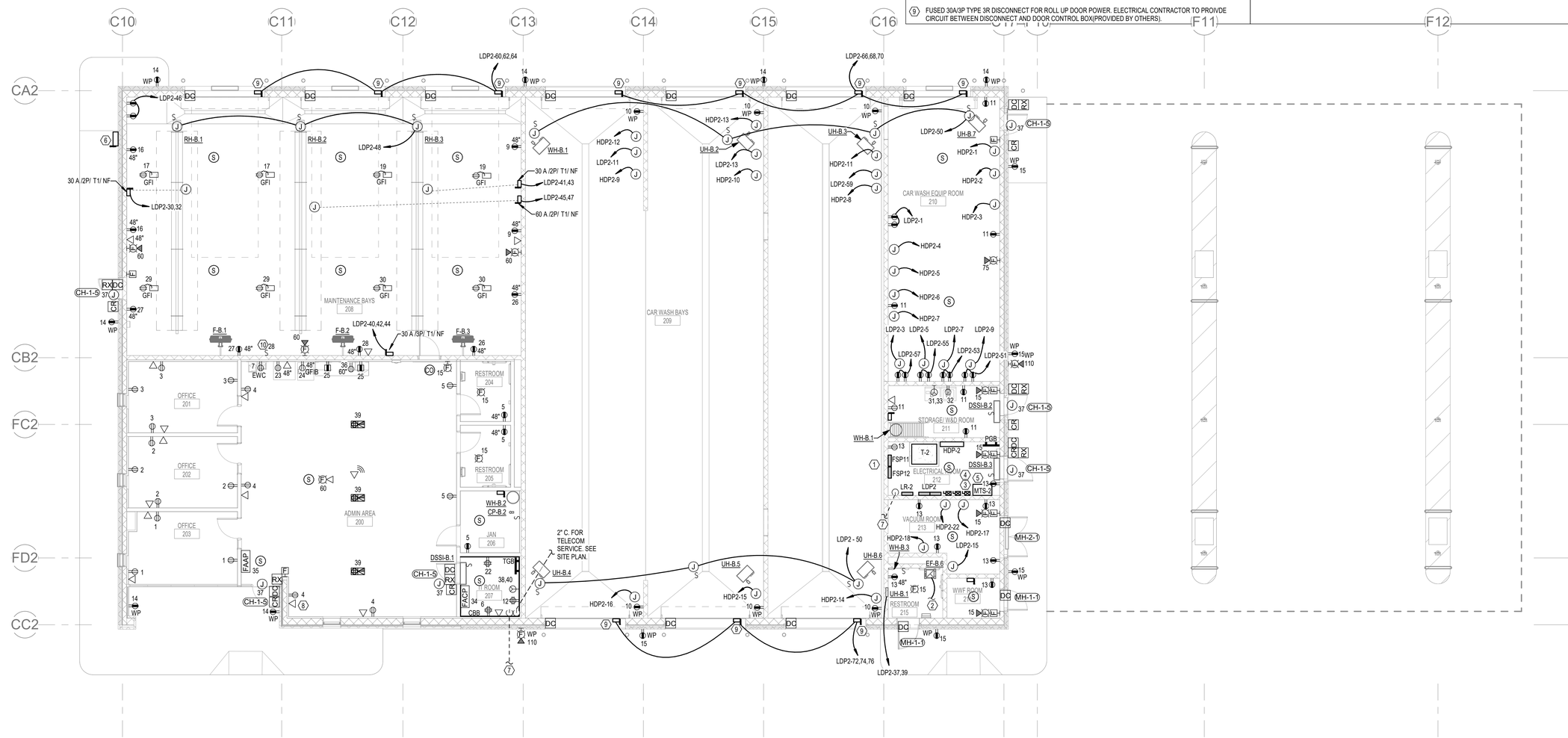
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RENOVATION KEYNOTES

1. ELECTRICAL AND CONTROL PANELS BY CARWASH & FUELING ELECTRIC CONTRACTOR. SEE QE SHEETS FOR MORE INFORMATION.
2. TO OCCUPANCY SENSOR SHOWN ON SHEET E201.
3. PROVIDE SIZE 0, 208VAC/3-POLE, NON-REVERSING MOTOR STARTER IN TYPE 1 ENCLOSURE WITH 120VAC COIL, H-O-A SELECTOR SWITCH AND RUN/STOP INDICATOR LIGHTS FOR ROOFTOP EXHAUST FANS EFB.2 & EFB.3. PROVIDE 120VAC CIRCUIT FROM PANEL LDP2 (2#12,1-#12G,1-1/2"C) TO EACH STARTER VIA TIMECLOCK IN ROOM 110; CIRCUIT CONTROL CIRCUIT THROUGH SEPARATE RELAY (R3 & R4) FOR EACH FAN.
4. PROVIDE SIZE 0, 208VAC/2-POLE, NON-REVERSING MOTOR STARTER IN TYPE 1 ENCLOSURE WITH 120VAC COIL, H-O-A SELECTOR SWITCH AND RUN/STOP INDICATOR LIGHTS FOR ROOFTOP EXHAUST FANS EFB.4. PROVIDE 120VAC CIRCUIT FROM PANEL LDP2 (2#12,1-#12G,1-1/2"C) TO EACH STARTER VIA TIMECLOCK IN ROOM 110; CIRCUIT CONTROL CIRCUIT THROUGH DEDICATED RELAY (R5).
5. 800A, 3 PHASE, NONFUSED, NEMA 1, SINGLE-THROW MANUAL TRANSFER SWITCH. PROVIDE LABELS FOR SWITCH POSITIONS "UTILITY SERVICE" , "GENERATOR". #ASCO SERIES 300 MTS OR APPROVED EQUAL.
6. 800A, 480V, 3 PHASE, NEMA 3R, GENERATOR QUICK CONNECT PANEL.
7. TO SECURITY GATE. REFER TO T SHEETS FOR MORE INFORMATION.
8. COORDINATE LOCATION AND MOUNTING HEIGHT OF POWER AND DATA FOR OWNER PROVIDED EQUIPMENT.
9. FUSED 30A/3P TYPE 3R DISCONNECT FOR ROLL UP DOOR POWER. ELECTRICAL CONTRACTOR TO PROIVDE CIRCUIT BETWEEN DISCONNECT AND DOOR CONTROL BOX(PROVIDED BY OTHERS).

RENOVATION GENERAL NOTES

1. DEVICES ON SHEET E201, E202, AND E203 SHALL BE POWERED FROM PANELS LR-1, LR-2 AND LR-3 RESPECTIVELY, UNO. DEVICES ARE LABELED WITH CIRCUIT NUMBER CORRESPONDING TO DESIGNATED PANEL.
2. MECHANICAL EQUIPMENT DISCONNECTS SHOWN ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXACT LOCATION WITH ARCHITECT IN ACCORDANCE WITH NEC 2017 APPLICABLE REQUIRED WORKING CLEARANCES PRIOR TO ROUGH IN. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E400 FOR CIRCUITING INFORMATION.
3. LOCATIONS OF PULL BOXES AND CONTROLLERS ON PLANS (DRC, RC, PC, ELCR, LTS, ETC.) IS DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXPOSED LOCATIONS WITH ARCHITECT, GENERALLY LAYOUT SHALL BE NEAT, ORGANIZED AND IN-LINE WITH EXPOSED RACEWAYS AND BUILDING LINES. IN ROOMS/AREAS WITH INACCESSIBLE CEILINGS LOCATE DEVICES IN ADJACENT ACCESSIBLE SPACE OR PROVIDE CEILING ACCESS PANEL; COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT.
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1 1/8" = 1'-0" **POWER FLOOR PLAN - BUILDING B**

BUILDING A | BUILDING B | BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

Anthony D Wyrick, P.E.

FL LICENSE NUMBER #98346

PROJECT NUMBER	1441240.059
DATE	01/17/2025
1/8" = 1'-0"	
DESIGNED BY	ADW
DRAWN BY	GAG
CHECKED BY	ADW

POWER FLOOR PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
E202

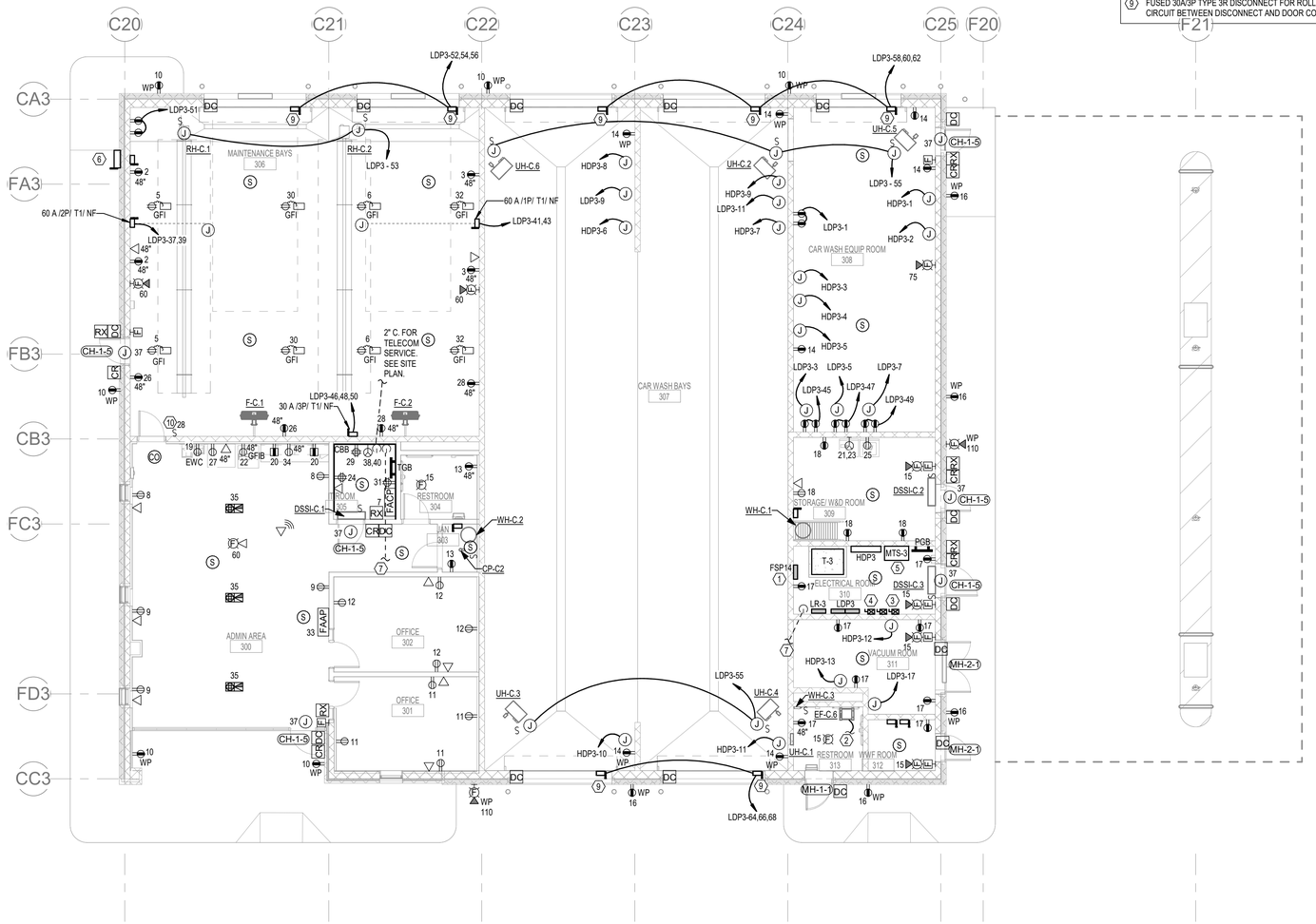
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RENOVATION KEYNOTES

1. ELECTRICAL AND CONTROL PANELS BY CARWASH & FUELING ELECTRIC CONTRACTOR. SEE QE SHEETS FOR MORE INFORMATION.
2. TO OCCUPANCY SENSOR SHOWN ON SHEET E301.
3. PROVIDE SIZE 0, 208VAC/3-POLE, NON-REVERSING MOTOR STARTER IN TYPE 1 ENCLOSURE WITH 120VAC COIL, H-O-A SELECTOR SWITCH AND RUN/STOP INDICATOR LIGHTS FOR ROOFTOP EXHAUST FANS EFC.2 & EFC.3. PROVIDE 120VAC CIRCUIT FROM PANEL LDP3 (2#12, 1-#12G, 1-1/2"C) TO EACH STARTER VIA TIMECLOCK IN ROOM 110; CIRCUIT CONTROL CIRCUIT THROUGH SEPARATE RELAY (R3 & R4) FOR EACH FAN.
4. PROVIDE SIZE 0, 208VAC/2-POLE, NON-REVERSING MOTOR STARTER IN TYPE 1 ENCLOSURE WITH 120VAC COIL, H-O-A SELECTOR SWITCH AND RUN/STOP INDICATOR LIGHTS FOR ROOFTOP EXHAUST FANS EFC.4. PROVIDE 120VAC CIRCUIT FROM PANEL LDP3 (2#12, 1-#12G, 1-1/2"C) TO EACH STARTER VIA TIMECLOCK IN ROOM 110; CIRCUIT CONTROL CIRCUIT THROUGH DEDICATED RELAY (R5).
5. 600A, 3 PHASE, NONFUSED, NEMA 1, SINGLE-THROW MANUAL TRANSFER SWITCH. PROVIDE LABELS FOR SWICH POSITIONS "UTILITY SERVICE" , "GENERATOR". #ASCO SERIES 300 MTS OR APPROVED EQUAL.
6. 600A, 480V, 3 PHASE, NEMA 3R, GENERATOR DISCONNECT PANEL.
7. TO SECURITY GATE. REFER TO T SHEETS FOR MORE INFORMATION.
8. COORDINATE LOCATION AND MOUNTING HEIGHT OF POWER AND DATA FOR OWNER PROVIDED EQUIPMENT.
9. FUSED 30A/3P TYPE 3R DISCONNECT FOR ROLL UP DOOR POWER. ELECTRICAL CONTRACTOR TO PROIVDE CIRCUIT BETWEEN DISCONNECT AND DOOR CONTROL BOX(PROVIDED BY OTHERS).

RENOVATION GENERAL NOTES

1. DEVICES ON SHEET E201, E202, AND E203 SHALL BE POWERED FROM PANELS LR-1, LR-2 AND LR-3 RESPECTIVELY, UNO. DEVICES ARE LABELED WITH CIRCUIT NUMBER CORRESPONDING TO DESIGNATED PANEL.
2. MECHANICAL EQUIPMENT DISCONNECTS SHOWN ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXACT LOCATION WITH ARCHITECT IN ACCORDANCE WITH NEC 2017 APPLICABLE REQUIRED WORKING CLEARANCES PRIOR TO ROUGH IN. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E400 FOR CIRCUITING INFORMATION.
3. LOCATIONS OF PULL BOXES AND CONTOLLERS ON PLANS (DRC, RC, PC, ELCR, LTS, ETC.) IS DIAGRAMATIC AND SHOWN FOR CLARITY. COORDINATE EXPOSED LOCATIONS WITH ARCHITECT, GENERALLY LAYOUT SHALL BE NEAT, ORGANIZED AND IN-LINE WITH EXPOSED RACEWAYS AND BUILDING LINES. IN ROOMS/AREAS WITH INACCESSIBLE CEILINGS LOCATE DEVICES IN ADJACENT ACCESSIBLE SPACE OR PROVIDE CEILING ACCESS PANEL; COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT.
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1 1/8" = 1'-0" **POWER FLOOR PLAN - BUILDING C**

BUILDING A BUILDING B BUILDING C

SITE KEY

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL

Anthony D Wyrick, P.E.

FL LICENSE NUMBER
#98346

PROJECT NUMBER	DESIGNED BY	ADW
144124059	DRAWN BY	GAG
DATE 01/17/2025	CHECKED BY	ADW
1/8" = 1'-0"		

POWER FLOOR PLAN - BUILDING C

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
E203

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GENERAL NOTES

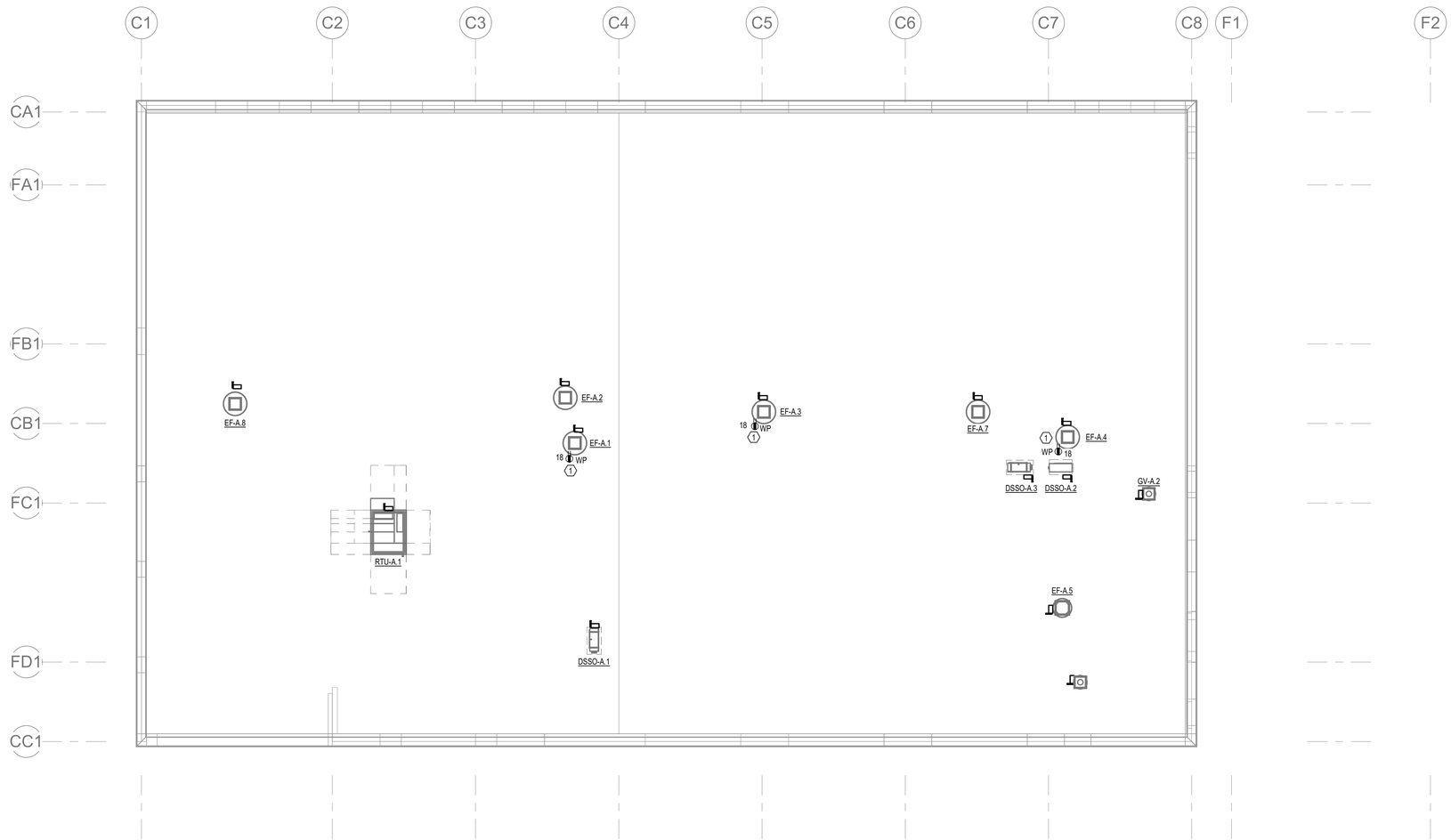
1. MECHANICAL EQUIPMENT DISCONNECTS SHOWN ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXACT LOCATION WITH ARCHITECT IN ACCORDANCE WITH NEC 2017 APPLICABLE REQUIRED WORKING CLEARANCES PRIOR TO ROUGH IN. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E400 FOR DISCONNECT SIZING AND CIRCUITING INFORMATION.

GENERAL NOTES

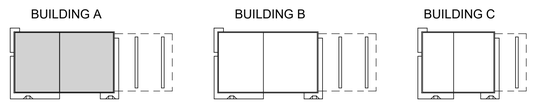
(1) MOUNT RECEPTACLE TO ROOF CURB

LIGHTNING PROTECTION NOTES

1. THIS ROOF PLAN AND EQUIPMENT IS SHOWN FOR REFERENCE ONLY.
2. THE LIGHTNING PROTECTION SYSTEM (LPS) FOR THIS PROJECT IS BY PERFORMANCE SPECIFICATION. THE LPS SHALL COMPLY WITH NFPA 780 FOR LIGHTNING - STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, AND WITH UL 96A - INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS. INSTALLING CONTRACTOR SHALL PROVIDE A UL MASTER LABEL OR LPI MASTER CERTIFICATE.
3. CONDUCTORS WILL BE BARE STRANDED COPPER, EXCEPT ALUMINUM WILL BE USED WHERE INSTALLATION IS IN CONTACT WITH ALUMINUM SURFACES.
4. GROUND RODS WILL BE COPPER-CLAD STEEL, 3/4" DIAMETER BY 10 FT LONG.
5. THE LPS SYSTEM AND DESIGN SHALL ENCOMPASS ALL EXTERIOR SURFACES OF THE FACILITY, INCLUDING EQUIPMENT AND SUPPORTS THAT EXTEND ABOVE TOP OF ROOF. UNDER A COMPLETE ZONE OF PROTECTION AS DEFINED BY NFPA 780. AIR TERMINAL SPACING SHALL NOT EXCEED 20 FT, EXCEPT SPACING UP TO 50 FT IS ALLOWED FOR NON- PERIMETER AREAS OF FLAT ROOFS. LOCATIONS WILL COMPLY WITH NFPA 780 AND WILL GENERALLY FOLLOW THE BUILDING ROOF RIDGES AND PERIMETERS.
6. ONE (1) DOWN CONDUCTOR SHALL BE PROVIDED FOR EVERY 100 LINEAR FEET OF BUILDING PERIMETER, WITH A MINIMUM OF TWO (2) CONDUCTORS. CONDUCTORS SHALL BE CONFIGURED TO PROVIDE A TWO-WAY PATH TO EARTH. METAL BODIES WILL BE BONDED TO THE CONDUCTOR SYSTEM IN COMPLIANCE WITH NFPA 780.
7. A GROUND ROD SHALL BE CONNECTED TO EACH DOWN CONDUCTOR. THE ELECTRIC POWER SERVICE GROUNDING SYSTEM SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.
8. REFER TO SPECIFICATION SECTION 26 4113 FOR MORE SCOPE.
9. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR INFORMATION RELATED TO BUILDING AND STRUCTURES TO BE PROTECTED.
10. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR INFORMATION REGARDING EQUIPMENT AND ASSOCIATED ITEMS.



1 1/8" = 1'-0" **ELECTRICAL ROOF PLAN - BUILDING A**



SITE KEY

No.	REVISIONS	DATE	BY

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FL LICENSE NUMBER
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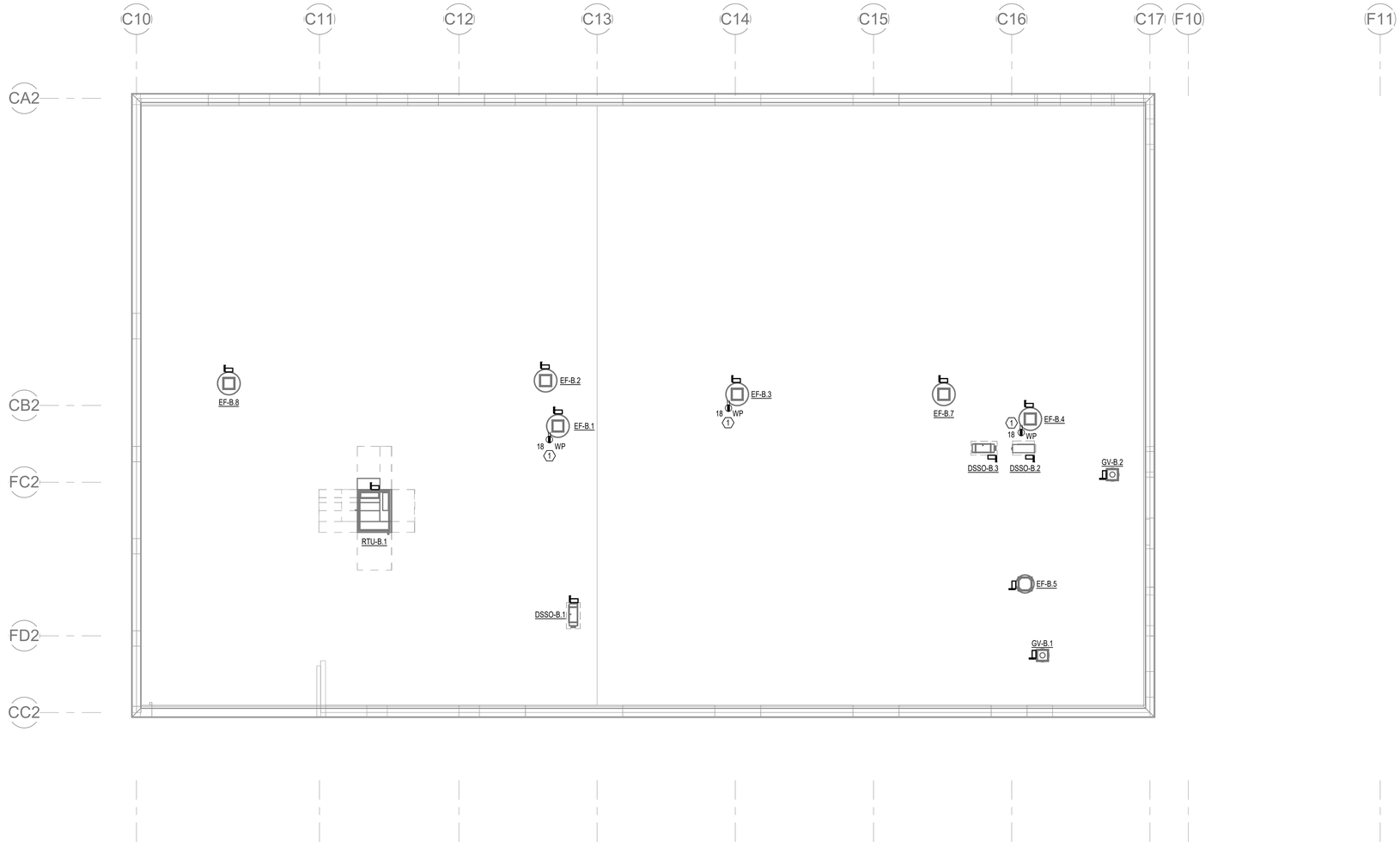
PROJECT NUMBER	144124059
DATE	01/17/2025
1/8" = 1'-0"	
DESIGNED BY	ADW
DRAWN BY	GAG
CHECKED BY	ADW

ELECTRICAL ROOF PLAN - BUILDING A

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
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GENERAL NOTES

1. MECHANICAL EQUIPMENT DISCONNECTS SHOWN ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXACT LOCATION WITH ARCHITECT IN ACCORDANCE WITH NEC 2017 APPLICABLE REQUIRED WORKING CLEARANCES PRIOR TO ROUGH IN. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E400 FOR DISCONNECT SIZING AND CIRCUITING INFORMATION.

GENERAL NOTES

(1) MOUNT RECEPTACLE TO ROOF CURB

LIGHTNING PROTECTION NOTES

1. THIS ROOF PLAN AND EQUIPMENT IS SHOWN FOR REFERENCE ONLY.
2. THE LIGHTNING PROTECTION SYSTEM (LPS) FOR THIS PROJECT IS BY PERFORMANCE SPECIFICATION. THE LPS SHALL COMPLY WITH NFPA 780 FOR LIGHTNING - STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, AND WITH UL 96A - INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS. INSTALLING CONTRACTOR SHALL PROVIDE A UL MASTER LABEL OR LPI MASTER CERTIFICATE.
3. CONDUCTORS WILL BE BARE STRANDED COPPER, EXCEPT ALUMINUM WILL BE USED WHERE INSTALLATION IS IN CONTACT WITH ALUMINUM SURFACES.
4. GROUND RODS WILL BE COPPER-CLAD STEEL, 3/4" DIAMETER BY 10 FT LONG.
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6. ONE (1) DOWN CONDUCTOR SHALL BE PROVIDED FOR EVERY 100 LINEAR FEET OF BUILDING PERIMETER, WITH A MINIMUM OF TWO (2) CONDUCTORS. CONDUCTORS SHALL BE CONFIGURED TO PROVIDE A TWO-WAY PATH TO EARTH. METAL BODIES WILL BE BONDED TO THE CONDUCTOR SYSTEM IN COMPLIANCE WITH NFPA 780.
7. A GROUND ROD SHALL BE CONNECTED TO EACH DOWN CONDUCTOR. THE ELECTRIC POWER SERVICE GROUNDING SYSTEM SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.
8. REFER TO SPECIFICATION SECTION 26 4113 FOR MORE SCOPE.
9. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR INFORMATION RELATED TO BUILDING AND STRUCTURES TO BE PROTECTED.
10. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR INFORMATION REGARDING EQUIPMENT AND ASSOCIATED ITEMS.

BUILDING A | BUILDING B | BUILDING C

SITE KEY

1 1/8" = 1'-0" **ELECTRICAL ROOF PLAN - BUILDING B**

No.	REVISIONS	DATE	BY

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TALLAHASSEE, FL 32308 PHONE: 850-383-3500
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LICENSED PROFESSIONAL
Anthony D Wyrick, P.E.
FL LICENSE NUMBER
#98346

PROJECT NUMBER	144124059
DATE	01/17/2025
1/8" = 1'-0"	
DESIGNED BY	ADW
DRAWN BY	GAG
CHECKED BY	ADW

ELECTRICAL ROOF PLAN - BUILDING B

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
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GENERAL NOTES

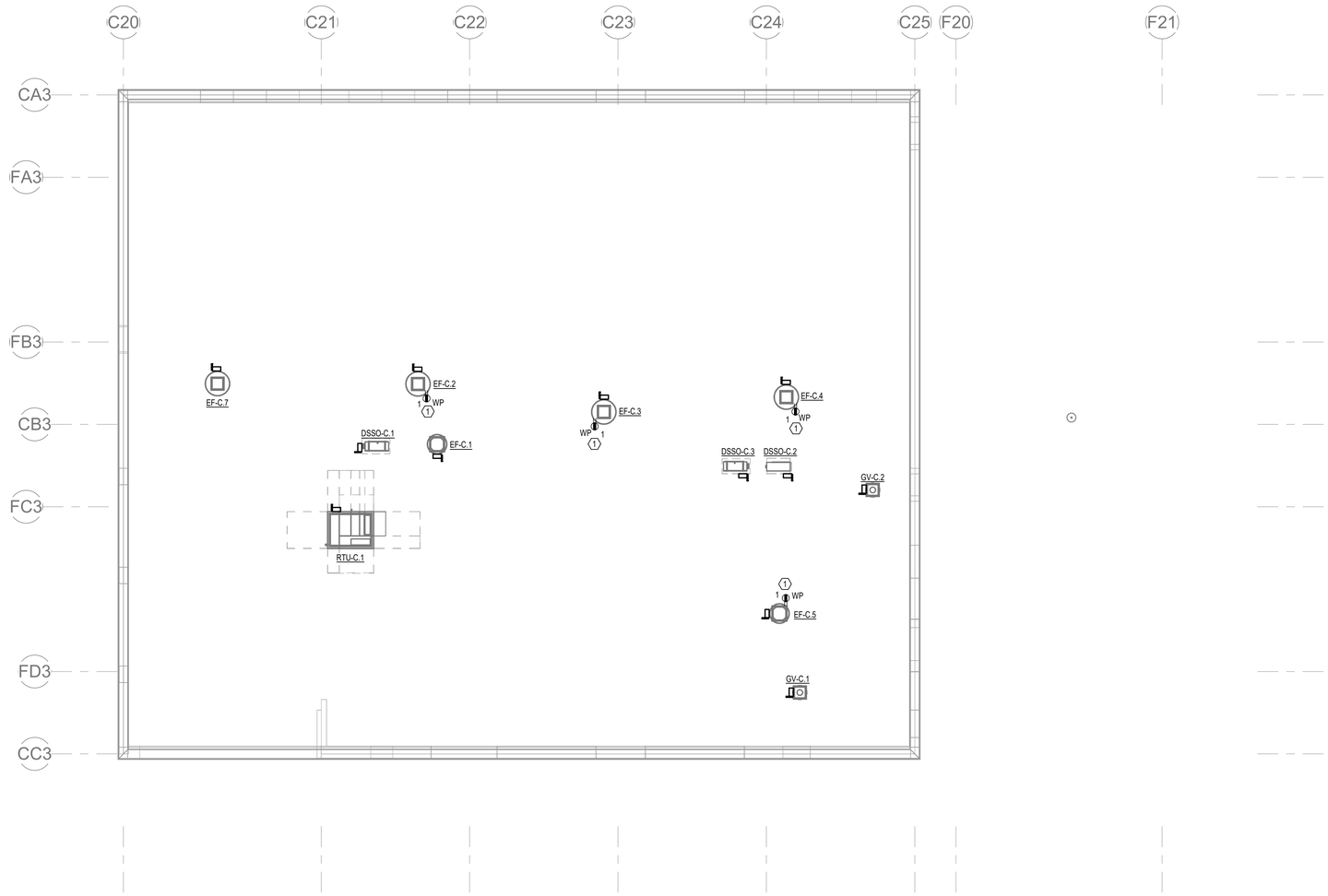
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GENERAL NOTES

(1) MOUNT RECEPTACLE TO ROOF CURB

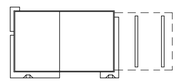
LIGHTNING PROTECTION NOTES

1. THIS ROOF PLAN AND EQUIPMENT IS SHOWN FOR REFERENCE ONLY.
2. THE LIGHTNING PROTECTION SYSTEM (LPS) FOR THIS PROJECT IS BY PERFORMANCE SPECIFICATION. THE LPS SHALL COMPLY WITH NFPA 780 FOR LIGHTNING - STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, AND WITH UL 96A - INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS. INSTALLING CONTRACTOR SHALL PROVIDE A UL MASTER LABEL OR LPI MASTER CERTIFICATE.
3. CONDUCTORS WILL BE BARE STRANDED COPPER, EXCEPT ALUMINUM WILL BE USED WHERE INSTALLATION IS IN CONTACT WITH ALUMINUM SURFACES.
4. GROUND RODS WILL BE COPPER-CLAD STEEL, 3/4" DIAMETER BY 10 FT LONG.
5. THE LPS SYSTEM AND DESIGN SHALL ENCOMPASS ALL EXTERIOR SURFACES OF THE FACILITY, INCLUDING EQUIPMENT AND SUPPORTS THAT EXTEND ABOVE TOP OF ROOF. UNDER A COMPLETE ZONE OF PROTECTION AS DEFINED BY NFPA 780. AIR TERMINAL SPACING SHALL NOT EXCEED 20 FT, EXCEPT SPACING UP TO 50 FT IS ALLOWED FOR NON- PERIMETER AREAS OF FLAT ROOFS. LOCATIONS WILL COMPLY WITH NFPA 780 AND WILL GENERALLY FOLLOW THE BUILDING ROOF RIDGES AND PERIMETERS.
6. ONE (1) DOWN CONDUCTOR SHALL BE PROVIDED FOR EVERY 100 LINEAR FEET OF BUILDING PERIMETER, WITH A MINIMUM OF TWO (2) CONDUCTORS. CONDUCTORS SHALL BE CONFIGURED TO PROVIDE A TWO-WAY PATH TO EARTH. METAL BODIES WILL BE BONDED TO THE CONDUCTOR SYSTEM IN COMPLIANCE WITH NFPA 780.
7. A GROUND ROD SHALL BE CONNECTED TO EACH DOWN CONDUCTOR. THE ELECTRIC POWER SERVICE GROUNDING SYSTEM SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.
8. REFER TO SPECIFICATION SECTION 26 4113 FOR MORE SCOPE.
9. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR INFORMATION RELATED TO BUILDING AND STRUCTURES TO BE PROTECTED.
10. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR INFORMATION REGARDING EQUIPMENT AND ASSOCIATED ITEMS.

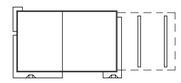


1 1/8" = 1'-0" **ELECTRICAL ROOF PLAN - BUILDING C**

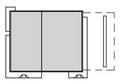
BUILDING A



BUILDING B



BUILDING C



SITE KEY



No.	REVISIONS	DATE	BY

Kimley»Horn
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Anthony D Wyrick, P.E.

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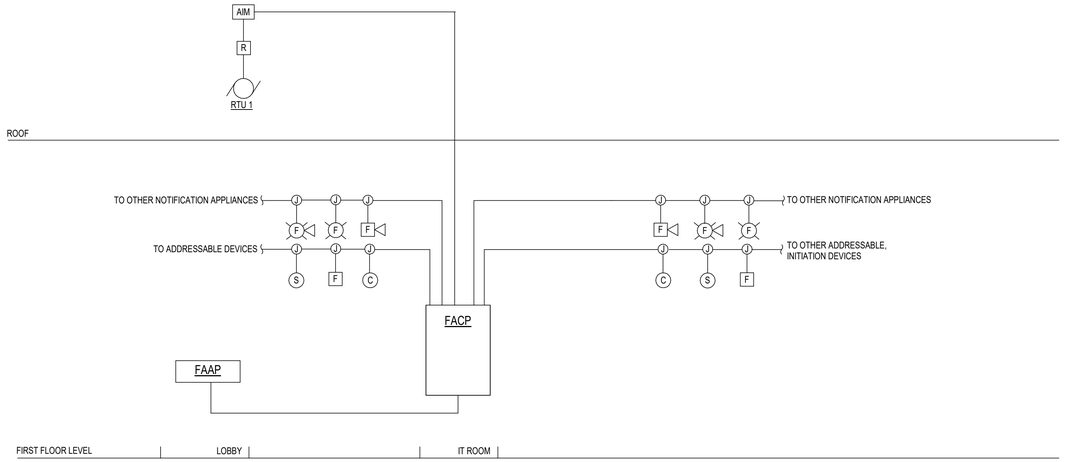
PROJECT NUMBER	144124059
DATE	01/17/2025
1/8" = 1'-0"	
DESIGNED BY	ADW
DRAWN BY	GAG
CHECKED BY	ADW

ELECTRICAL ROOF PLAN - BUILDING C

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
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FIRE ALARM RISER DIAGRAM

N.T.S

FIRE ALARM - SEQUENCE OF OPERATION

1. ALL FIRE ALARM JUNCTION BOX COVERS SHALL BE PAINTED RED.
2. ALL SPLICES SHALL BE MADE WITH CRIMP CONNECTORS. NO WIRE NUTS SHALL BE USED.
3. ALL MAIN JUNCTION BOXES AND TERMINAL CABINETS SHALL BE PROVIDED WITH TERMINAL BLOCKS.
4. PROVIDE REMOTE TEST & ALARM INDICATORS FOR AHU DUCT DETECTORS LOCATED IN AREAS NOT READILY VISIBLE & ACCESSIBLE ABOVE CEILINGS, OR AS INDICATED ON THE DRAWINGS.
5. ALL INITIATING DEVICES WITH SCREW TERMINALS SHALL BE CONNECTED TO THE WIRING SYSTEM WITH SPADE TERMINALS.
6. CONDUIT SHALL BE 3/4" UNLESS NOTED OTHERWISE.
7. FIRE ALARM SYSTEM SHALL MONITOR ALL FLOW AND TAMPER SWITCHES, BACK FLOW PREVENTER AND PIV ASSOCIATED WITH FIRE SPRINKLER SYSTEM. REFER TO THE SPRINKLER DRAWINGS FOR QUANTITY.
8. THIS RISER DIAGRAM SHOWS TYPICAL DEVICES DIAGRAMMATICALLY ONLY AND IS NOT INTENDED TO BE USED AS A WIRING DIAGRAM. IT DOES NOT SHOW EVERY DEVICE, REFER TO THE FLOOR PLANS FOR DEVIES AND LOCATIONS.
9. PROVIDE A HINGED, CLEAR PLASTIC SHIELD FOR EACH PULL STATION. LIFTING SHIELD SHALL INITIATE LOCAL AUDIBLE ALARM.
10. PROVIDE PROTECTION FOR FIRE ALARM DEVICES SUBJECT TO PHYSICAL DAMAGE. LOCATIONS INCLUDE MCHANICAL ROOMS, ELECTRICAL ROOMS, EQUIPMENT ROOMS AND STORAGE ROOMS.
11. THE CONSTRUCTOR SHALL CERTIFY AND TAG THE SYSTEM AFTER ALL MODIFICATIONS ARE MADE AND PRIOR TO SUBSTANTIAL COMPLETION.
12. THE CONTRACTOR AND THE PPD SYSTEMS ELECTRONICS SHOP SHALL TEST THE FIRE ALARM SYSTEM BEFORE ANY RENOVATION OR MODIFICATION IS MADE. ANY PART OF THE SYSTEM NOT WORKING PROPERLY SHALL BE NOTED OR REPAIRED BEFORE ANY CONSTRUCTION BEGINS.

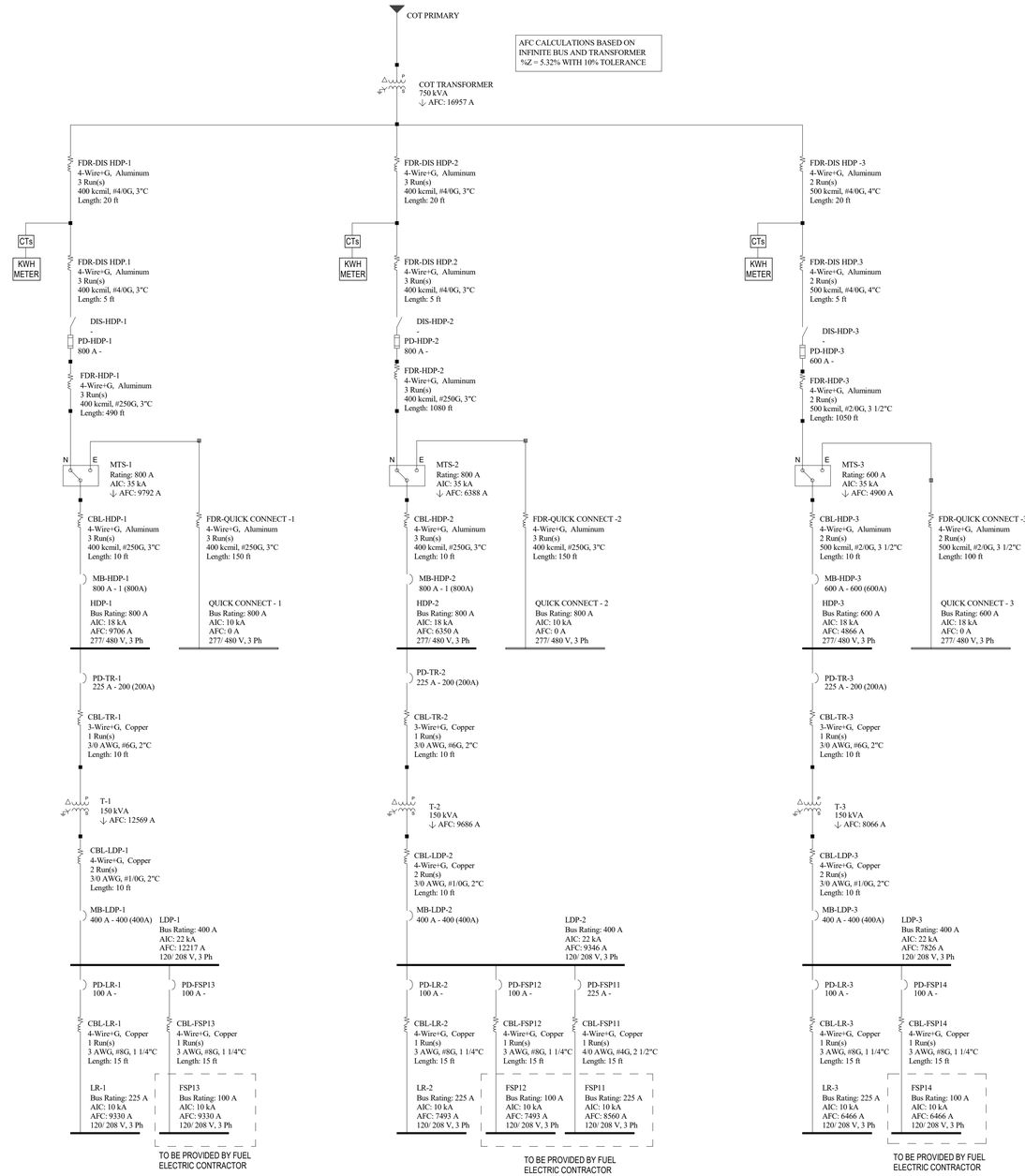
FIRE ALARM - SEQUENCE OF OPERATION

EVENT	ALARM AT FACP	ALARM OFF SITE	INITIATE NOTIFICATION APPLIANCES	TROUBLE AT FACP	TROUBLE NOTIFICATION OFF SITE	SUPERVISORY AT FACP AND FAAP	SUPERVISORY NOTIFICATION OFF SITE	SUPERVISORY NOTIFICATION AT ASSOCIATED RTU ONLY	FAN SHUT DOWN AT ASSOCIATED RTU ONLY	S. DAMPER CLOSURE AT ASSOC. DAMPER ONLY	DEACTIVATE AUDIBLE NOTIFICATION APPLIANCES	COMMENTS
AREA SMOKE DETECTOR	o	o	o					o	o	o		
CARBON MONXIDE DETECOR												
MANUAL PULL STATION	o	o	o									
WIRING FAULT				o	o							
AC POWER FAILURE				o	o							
ALARM SILENCE											o	

FIRE ALARM - DESIGN DATA

BUILDING INFORMATION			
	TYPE		NEW
	OCCUPANCY CLASSIFICATION (NOTE 1)		BUSINESS
	FULLY SPRINKLERED BUILDING		NO
	HIGH RISE BUILDING		NO
FIRE ALARM SYSTEM			
	TYPE		ADDRESSABLE
	QTY OF ZONES	#	N/A
	PATHWAY CLASS DESIGNATION		CLASS B
	PATHWAY SURVIVABILITY		LEVEL 0
	EVACUATION SIGNAL		GENERAL EVACUATION
	AUDIBLE NOTIFICATION APPLIANCES		HORNS / CHIMES
EMERGENCY COMMUNICATION SYSTEMS			
	MASS NOTIFICATION TYPE		NONE
	VOICE EVACUATION		NO
	TWO-WAY, IN-BUILDING WIRED		NO
	TWO-WAY, RADIO ENHANCEMENT (NOTE 2)		NO
	TWO-WAY, AREA OF REFUGE		NO
	TWO-WAY, ELEVATOR EMERGENCY		NO
	TWO-WAY, STAIRWAY		NO
MINIMUM REQUIRED SECONDARY POWER			
	SECONDARY POWER SUPPLY		BATTERIES
	REQUIRED DURATION		24 HRS (NON-ALARM) + 5 MIN (ALARM)
	SAFETY MARGIN (BATTERIES)	%	20

NOTES:
1 PRINCIPAL OCCUPANCY CLASSIFICATION IS PER NFPA 1 AND NFPA 101. SEE LIFE SAFETY PLANS FOR MORE INFORMATION.



ONE-LINE DIAGRAM

N.T.S

NOTE:
WIRE LENGTHS SHOWN ON 1-LINE DIAGRAM ARE FOR CALULATION PURPOSES AND NOT INTENDED FOR MATERIAL TAKE-OFFS. CONTRACTOR SHALL USE SCALED PLANS FOR ACUTAL LENGTHS.

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
Anthony D Wyrick, P.E.
FL LICENSE NUMBER #98346

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	ADW	GAG	ADW
DATE 01/17/2025			
1/8" = 1'-0"			

FIRE ALARM RISER & ONE LINE DIAGRAM

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

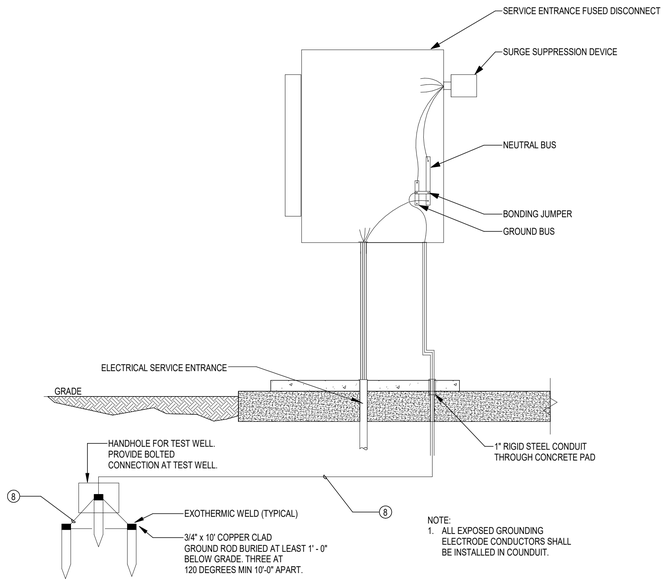
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GROUNDING ELECTRODE CONDUCTOR SCHEDULE		
MARK		CONDUIT
1	#6 INSULATED, STRANDED, COPPER	1/2"
2	#4 INSULATED, STRANDED, COPPER	1/2"
3	#1/0 INSULATED, STRANDED, COPPER	1"
4	#2/0 INSULATED, STRANDED, COPPER	1"
5	#4 BARE, STRANDED, TINNED COPPER	
6	#1/0 BARE, STRANDED, TINNED COPPER	
7	#2/0 BARE, STRANDED, TINNED COPPER	
8	#3/0 BARE, STRANDED, TINNED COPPER	

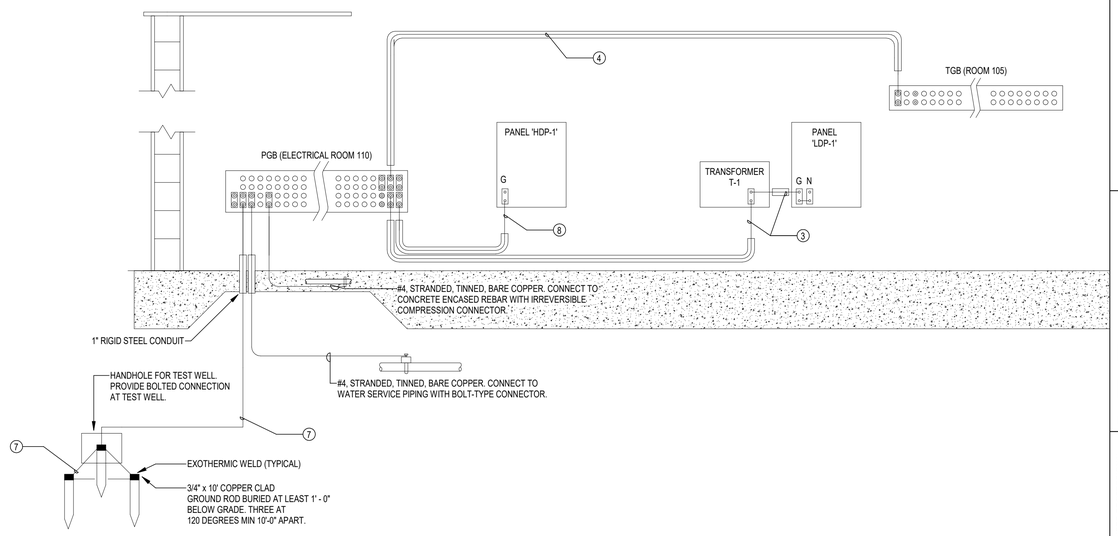
NOTES:

1. ALL CONDUCTORS SHALL BE RUN IN A DIRECT PATH TO THE EXTENT POSSIBLE.
2. THE MINIMUM BEND ANGLE FOR ANY GROUNDING THE MINIMUM BEND ANGLE FOR ANY GROUNDING CONDUCTOR SHALL BE 90 DEGREES.
3. THE MINIMUM BEND RADIUS FOR ANY GROUNDING CONDUCTOR SHALL BE 8".
4. PROVIDE PVC SLEEVES FOR ALL WALL, FLOOR, CEILING, SLAB, ETC. PENETRATIONS. IF METAL SLEEVES ARE USED, PROVIDE GROUND BUSHINGS AND BOND CONDUTOR TO BUSHING AT EACH LOCATION PROVIDED.
5. ALL GROUND CONDUCTORS SHALL BE FREE OF SPLICES.
6. CLEAN ALL SURFACES BEFORE MAKING CONNECTIONS. TAKE ALL STEPS POSSIBLE TO ENSURE LOW CONTACT RESISTANCE AT TERMINATION LOCATIONS.



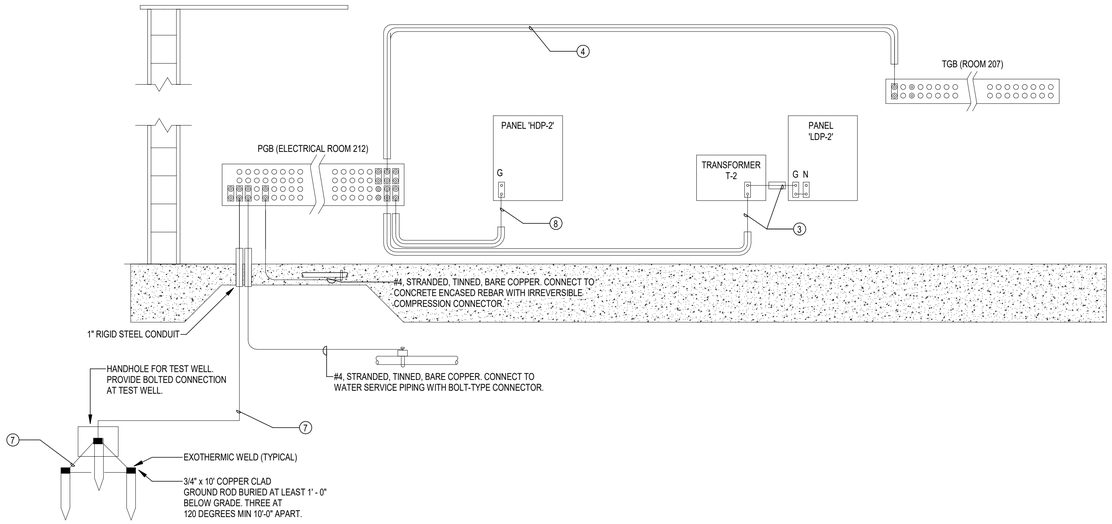
RISER DIAGRAM - GROUNDING SERVICE ENTRANCE

SCALE: N.T.S



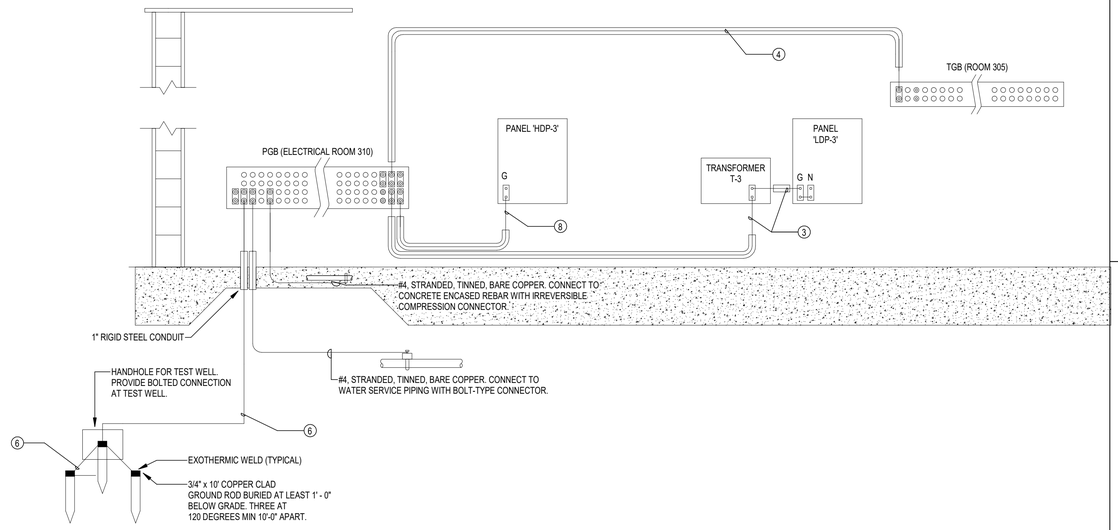
RISER DIAGRAM - GROUNDING BUILDING A

SCALE: N.T.S



RISER DIAGRAM - GROUNDING BUILDING B

SCALE: N.T.S



RISER DIAGRAM - GROUNDING BUILDING C

SCALE: N.T.S

No.	REVISIONS	DATE	BY

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Anthony D Wyrick, P.E.

FL LICENSE NUMBER
#98346

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	ADW	GAG	ADW
DATE			
01/17/2025			
1/8" = 1'-0"			

GROUNDING RISER

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
FLORIDA

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MECHANICAL EQUIPMENT SCHEDULE

DESIGNATION	LOCATION	ELECTRICAL VOLTAGE	HP	FLA	MCA	BRANCH CIRCUIT		DISCONNECT / STARTER							NOTES
						OCPD	PANEL	STARTER SIZE	AMP RATING	POLES	OCPD	OCPD RATING	NEMA ENCLOSURE	BY OTHERS	
DSSO-A.1	Roof Building A	208 / 1		12	18	20	LDP-1		30	2	NONE		TYPE 3R		OUTDOOR UNIT POWERS INDOOR UNIT
DSSO-A.2	Roof Building A	208 / 1		12	18	20	LDP-1		30	2	NONE		TYPE 3R		OUTDOOR UNIT POWERS INDOOR UNIT
DSSO-A.3	Roof Building A	208 / 1		12	18	20	LDP-1		30	2	NONE		TYPE 3R		OUTDOOR UNIT POWERS INDOOR UNIT
DSSO-B.1	Roof Building B	208 / 1		12	18	20	LDP-2		30	2	NONE		TYPE 3R		OUTDOOR UNIT POWERS INDOOR UNIT
DSSO-B.2	Roof Building B	208 / 1		12	18	20	LDP-2		30	2	NONE		TYPE 3R		OUTDOOR UNIT POWERS INDOOR UNIT
DSSO-B.3	Roof Building B	208 / 1		12	18	20	LDP-2		30	2	NONE		TYPE 3R		OUTDOOR UNIT POWERS INDOOR UNIT
DSSO-C.1	Roof Building C	208 / 1		12	18	20	LDP-3		30	2	NONE		TYPE 3R		OUTDOOR UNIT POWERS INDOOR UNIT
DSSO-C.2	Roof Building C	208 / 1		12	18	20	LDP-3		30	2	NONE		TYPE 3R		OUTDOOR UNIT POWERS INDOOR UNIT
DSSO-C.3	Roof Building C	208 / 1		12	18	20	LDP-3		30	2	NONE		TYPE 3R		OUTDOOR UNIT POWERS INDOOR UNIT
EF-A.1	Roof Building A	120 / 1	1/6	4	6	15	LDP-1							X	CIRCUIT VIA RELAY R6 IN TIME CLOCK IN RM110
EF-A.2	Roof Building A	208 / 3	3/4	4	5	15	LDP-1		30	3	NONE		TYPE 3R		CIRCUIT VIA RELAY R3 IN TIME CLOCK IN RM110
EF-A.3	Roof Building A	208 / 3	1/2	2	3	15	LDP-1		30	3	NONE		TYPE 3R		CIRCUIT VIA RELAY R4 IN TIME CLOCK IN RM110
EF-A.4	Roof Building A	120 / 1	1/4	6	7	15	LDP-1							X	CIRCUIT VIA RELAY R5 IN TIME CLOCK IN RM110
EF-A.5	Roof Building A	120 / 1	1/4	6	7	15	LDP-1							X	CIRCUIT THROUGH T-STAT BY MECH CONTRACTOR
EF-A.6	Restroom 113	120 / 1	1/6	4	6	15	LDP-1							X	POWERED FROM LIGHTING CIRCUIT
EF-A.7	Roof Building A	120 / 1	1/4	6	7	15	LDP-1		20	1	NONE		TYPE 3R		
EF-A.8	Roof Building A	208 / 3	3/4	4	5	15	LDP-1		30	3	NONE		TYPE 3R		CIRCUIT VIA RELAY R3 IN TIME CLOCK IN RM110
EF-B.1	Roof Building B	120 / 1	1/6	4	6	15	LDP-2							X	CIRCUIT VIA RELAY R5 IN TIME CLOCK IN RM212
EF-B.2	Roof Building B	208 / 3	3/4	4	4	15	LDP-2		30	3	NONE		TYPE 3R		CIRCUIT VIA RELAY R6 IN TIME CLOCK IN RM212
EF-B.3	Roof Building B	208 / 3	1/2	2	3	15	LDP-2		30	3	NONE		TYPE 3R		CIRCUIT VIA RELAY R3 IN TIME CLOCK IN RM212
EF-B.4	Roof Building B	120 / 1	1/4	6	7	15	LDP-2							X	CIRCUIT VIA RELAY R4 IN TIME CLOCK IN RM212
EF-B.5	Roof Building B	120 / 1	1/4	6	7	15	LDP-2							X	CIRCUIT THROUGH T-STAT BY MECH CONTRACTOR
EF-B.6	Restroom 215	120 / 1	1/6	4	6	15	LDP-2							X	POWERED FROM LIGHTING CIRCUIT
EF-B.7	Roof Building B	120 / 1	1/4	6	7	15	LDP-2		20	1	NONE		TYPE 3R		
EF-B.8	Roof Building B	208 / 3	3/4			15	LDP-2								
EF-C.1	Roof Building C	120 / 1	1/6	4	6	15	LDP-3							X	CIRCUIT VIA RELAY R6 IN TIME CLOCK IN RM310
EF-C.2	Roof Building C	208 / 3	1	5	6	15	LDP-3		30	3	NONE		TYPE 3R		CIRCUIT VIA RELAY R3 IN TIME CLOCK IN RM310
EF-C.3	Roof Building C	208 / 3	1/2	2	3	15	LDP-3		30	3	NONE		TYPE 3R		CIRCUIT VIA RELAY R4 IN TIME CLOCK IN RM310
EF-C.4	Roof Building C	120 / 1	1/4	6	7	15	LDP-3							X	CIRCUIT VIA RELAY R5 IN TIME CLOCK IN RM310
EF-C.5	Roof Building C	120 / 1	1/4	6	7	15	LDP-3							X	
EF-C.6	Restroom 313	120 / 1	1/6	4	6	15	LDP-3							X	POWERED FROM LIGHTING CIRCUIT
EF-C.7	Roof Building C	208 / 3	1				LDP-3								
F-A.1	Building A Maintenance Bay	120 / 1	1/3	5	6	15	LDP-1								PROVIDE WP GFI RECEPT AT HEIGHT AS INDICATED BY DIVISION 23
F-A.2	Building A Maintenance Bay	120 / 1	1/3	5	6	15	LDP-1								PROVIDE WP GFI RECEPT AT HEIGHT AS INDICATED BY DIVISION 24
F-A.3	Building A Maintenance Bay	120 / 1	1/3	5	6	15	LDP-1								PROVIDE WP GFI RECEPT AT HEIGHT AS INDICATED BY DIVISION 25
F-B.1	Building A Maintenance Bay	120 / 1	1/3	5	6	15	LDP-2								PROVIDE WP GFI RECEPT AT HEIGHT AS INDICATED BY DIVISION 26
F-B.2	Building B Maintenance Bay	120 / 1	1/3	5	6	15	LDP-2								PROVIDE WP GFI RECEPT AT HEIGHT AS INDICATED BY DIVISION 27
F-B.3	Building B Maintenance Bay	120 / 1	1/3	5	6	15	LDP-2								PROVIDE WP GFI RECEPT AT HEIGHT AS INDICATED BY DIVISION 28
F-C.1	Building C Maintenance Bay	120 / 1	1/3	5	6	15	LDP-3								PROVIDE WP GFI RECEPT AT HEIGHT AS INDICATED BY DIVISION 29
F-C.2	Building C Maintenance Bay	120 / 1	1/3	5	6	15	LDP-3								PROVIDE WP GFI RECEPT AT HEIGHT AS INDICATED BY DIVISION 30
RH-A.1	Building A Maintenance Bay	120 / 1		1	1	20	LDP-1		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
RH-A.2	Building A Maintenance Bay	120 / 1		1	1	20	LDP-1		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
RH-A.3	Building A Maintenance Bay	120 / 1		1	1	20	LDP-1		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
RH-B.1	Building A Maintenance Bay	120 / 1		1	1	20	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
RH-B.2	Building B Maintenance Bay	120 / 1		1	1	20	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
RH-B.3	Building B Maintenance Bay	120 / 1		1	1	20	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
RH-C.1	Building C Maintenance Bay	120 / 1		1	1	20	LDP-3		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
RH-C.2	Building C Maintenance Bay	120 / 1		1	1	20	LDP-3		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-A.1	Restroom 113	208 / 1		14	18	20	LDP-1		20	2	NONE				TOGGLE SWITCH DISC
UH-A.2	Carwash Bay	120 / 1		2	3	15	LDP-1		20	1	NONE		TYPE 3R		TOGGLE SWITCH DISC
UH-A.3	Carwash Bay	120 / 1		2	3	15	LDP-1		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-A.4	Carwash Bay	120 / 1		2	3	15	LDP-1		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-A.5	Carwash Bay	120 / 1		2	3	15	LDP-1		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-A.6	Carwash Bay	120 / 1		2	3	15	LDP-1		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-A.7	Carwash Bay	120 / 1		4	5	15	LDP-1		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-A.8	Carwash Bay	120 / 1		2	3	15	LDP-1		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-B.1	Restroom 215	208 / 1		14	18	20	LDP-2		20	2	NONE		TYPE 3R		TOGGLE SWITCH DISC
UH-B.2	Carwash Bay	120 / 1		2	3	15	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-B.3	Carwash Bay	120 / 1		2	3	15	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-B.4	Carwash Bay	120 / 1		2	3	15	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-B.5	Carwash Bay	120 / 1		2	3	15	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-B.6	Carwash Bay	120 / 1		2	3	15	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-B.7	Carwash Bay	120 / 1		4	5	15	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-B.8	Carwash Bay	120 / 1		2	3	15	LDP-2		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-C.1	Restroom 313	208 / 1		14	18	20	LDP-3		20	2	NONE		TYPE 3R		TOGGLE SWITCH DISC
UH-C.2	Carwash Bay	120 / 1		2	3	15	LDP-3		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-C.3	Carwash Bay	120 / 1		2	3	15	LDP-3		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-C.4	Carwash Bay	120 / 1		2	3	15	LDP-3		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-C.5	Carwash Bay	120 / 1		4	5	15	LDP-3		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
UH-C.6	Carwash Bay	120 / 1		2	3	15	LDP-3		20	1	NONE		TYPE 4X		TOGGLE SWITCH DISC
RTU-A.1	Roof Building A	480 / 3		16	20	25	HDP-1		30	3	NONE		TYPE 3R		
RTU-B.1	Roof Building B	480 / 3		16	20	25	HDP-2		30	3	NONE		TYPE 3R		
RTU-C.1	Roof Building C	480 / 3		14	17	25	HDP-3		30	3	NONE		TYPE 3R		
PLUMBING															
CP-A.2	Janitors closet	120 / 1	1/6	4	6	15	LDP-1		20	1	NONE		TYPE 1		TOOGLE SWITCH DISC
CP-B.2	Janitors closet	120 / 1	1/6	4	6	15	LDP-2		20	1	NONE		TYPE 1		TOOGLE SWITCH DISC
CP-C.2	Janitors closet	120 / 1	1/6	4	6	15	LDP-3		20	1	NONE		TYPE 1		TOOGLE SWITCH DISC
WH-A.1	Storage W&D Room 109	208 / 1		14	18	25	LDP-1		30	2	NONE		TYPE 1		
WH-A.2	Janitor 103	208 / 1		22	27	30	LDP-1		30	2	NONE		TYPE 1		
WH-A.3	Restroom 113	120 / 1		15	19	25	LDP-1		30	1	NONE		TYPE 1		
WH-B.1	Storage W&D Room 211	208 / 1		14	18	25	LDP-2		30	2	NONE		TYPE 1		
WH-B.2	Janitor 206	208 / 1		22	27	30	LDP-2		30	2	NONE		TYPE 1		
WH-B.3	Restroom 215	120 / 1		15	19	25	LDP-2		30	1	NONE		TYPE 1		
WH-C.1	Storage W&D Room 309	208 / 1		14	18	25	LDP-3		30	2	NONE		TYPE 1		
WH-C.2	Janitor 303	208 / 1		22	27	30	LDP-3		30	2	NONE		TYPE 1		
WH-C.3	Restroom 313	120 / 1		15	19	25	LDP-3		30	1	NONE		TYPE 1		

NOTES:

1 REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.

2

TRANSFER SWITCH SCHEDULE

NAME	LOCATION	USE	EMERG SOURCE	NORMAL SOURCE	SUPPLY	RATING (AMPS)	AIC (AMPS)	ELECTRICAL CONFIGURATION	POLES	TRANSITION TYPE	NEMA ENCLOSURE	LOAD PRIORITY	DELAY SETTING (SEC)	MANUFACTURER	MODEL NUMBER	ACCESSORIES
MTS-1	ELECTRICAL ROOM	OPTIONAL	QUICK CONN	MSB	HDP-1	800	35	480 V / 3 PH - 4W	4	CLOSED	TYPE 1	1	N/A	ASCO	SERIES 300	
MTS-2	ELECTRICAL ROOM	OPTIONAL	QUICK CONN	MSB	HDP-2	800	35	480 V / 3 PH - 3W	4	CLOSED	TYPE 1	1	N/A	ASCO	SERIES 300	
MTS-3	ELECTRICAL ROOM	OPTIONAL	QUICK CONN	MSB	HDP-3	600	35	480 V / 3 PH - 3W	4	CLOSED	TYPE 1	1	N/A	ASCO	SERIES 300	

TRANSFORMER SCHEDULE

NAME	LOCATION	SOURCE	SUPPLY	NEMA ENCLOSURE	PRIMARY CONFIGURATION	SECONDARY CONFIGURATION	RATING (kVA)	CONN. (kVA)	DEMAND		TEMP RISE (°C)	K-9 RATED	PHASE SHIFT
									kVA	FACTOR			
T-1	ELECTRICAL ROOM 110	HDP-1	LDP-1	TYPE 1	480/277 V, 3 PH, 4W	208/120 V, 3 PH, 4W	150	134			80		
T-2	ELECTRICAL ROOM 212	HDP-2	LDP-2	TYPE 1	480/277 V, 3 PH, 4W	208/120 V, 3 PH, 4W	150	118			80		
T-3	ELECTRICAL ROOM 310	HDP-3	LDP-3	TYPE 1	480/277 V, 3 PH, 4W	208/120 V, 3 PH, 4W	150	89			80		

No.	REVISIONS	DATE	BY

Kimley»Horn
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LICENSED PROFESSIONAL
Anthony D Wyrick, P.E.
FL LICENSE NUMBER
#98346

PROJECT NUMBER	144124059
DATE	01/17/2025
	1/8" = 1'-0"
DESIGNED BY	ADW
DRAWN BY	GAG
CHECKED BY	ADW

PANEL SCHEDULES

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
E400

2/13/2025 1:28:29 PM Autodesk Docs://TIA1 QTA Buildings/TIA1 QTA Building_MEP-HDE_2024.rvt
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400 AMP RATING
400 MCB TRIP: LSI SPECIAL:
208 /120 V, 3 PH, 4W
22 kA AIR

NEW
SURFACE
TYPE 1

LIGHTING AND APPLIANCE PANEL: LDP-1

CIRCUIT	LOAD TYPE	SERVING	CKT BREAKER TRIP	CKT BREAKER SPECIAL	CKT BREAKER POLE	SEE 1-LINE	CONDUIT SIZE	PHASE & NEUTRAL SIZE	EGC SIZE	CONNECTED LOAD (VA) A	B	C		CONNECTED LOAD (VA) A	B	C	EGC SIZE	PHASE & NEUTRAL SIZE	CONDUIT SIZE	SEE 1-LINE	CKT BREAKER POLE	CKT BREAKER SPECIAL	CKT BREAKER TRIP	SERVING	LOAD TYPE	CIRCUIT
1	O	Water Softener	20		1		1/2"	#12	#12	1200				1248											H	2
3	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12		1200				1248		#12	#12	1/2"		2		20	DSSO-A.1	H	4
5	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12			1200				1248									H	6
7	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12	1200				1248			#12	#12	1/2"		2		20	DSSO-A.2	H	8
9	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12		1200				1248									H	10
11	O	Machine Control Panel	20		1		1/2"	#12	#12			360				1248	#12	#12	1/2"		2		20	DSSO-A.3	H	12
13	O	Auto Condensate Drain	20		1		1/2"	#12	#12	1500				603											H	14
15	O	Air Dryer	20		1		1/2"	#12	#12		820						#12	#12	1/2"		1		15	EF-A.4	H	16
17	H	EF-A.1	15		1		1/2"	#12	#12			528				1500								SPARE	H	18
19	H	EF-A.5	15		1		1/2"	#12	#12	696				1500			#10	#10	3/4"		2		30	WH-A.1	O	20
21	O	Machine Control Panel	20		1		1/2"	#12	#12		360				2250										O	22
23	H	F-A.1	15		1		1/2"	#12	#12			600				2250	#10	#10	3/4"		2		30	WH-A.2	O	24
25	H	F-A.2	15		1		1/2"	#12	#12	600				1500											H	26
27	H	WH-A.3	25		1		3/4"	#10	#10		1800				1500		#12	#12	1/2"		2		20	UH-A.1	H	28
29	L	LTG Offices, Break Room, etc.	20		1		1/2"	#12	#12			1000				1370									M	30
31	L	LTG Maintence	20		1		1/2"	#12	#12	1000				1370			#10	#10	3/4"		2		30	Car Lift (2HP)	M	32
33	L	LTG Carwash	20		1		1/2"	#12	#12		1000				420										H	34
35	L	LTG Exterior	20		1		1/2"	#12	#12			1000				420	#12	#12	3/4"		3		15	EF-A.2	H	36
37	H	Exhaust Fan Control Circuit	15		1		1/2"	#12	#12	120				420											H	38
39	O	Machine Control Panel	20		1		1/2"	#12	#12		360				288										H	40
41	M	Car Lift (2HP)	30		2		3/4"	#10	#10			1370				288	#12	#12	3/4"		3		15	EF-A.3	H	42
43	M									1370				288											H	44
45	M	Car Lift (2HP)	30		2		3/4"	#10	#10		1370				790										M	46
47	M											1370				790	#12	#12	3/4"		3		20	Wheel Balancer (1.5HP)	M	48
49		SPARE	20		1									790											M	50
51	L	LTG Carwash Equipment, etc.	20		1		1/2"	#12	#12		1000				528		#12	#12	1/2"		1		15	EF-A.6	H	52
53	H	UH- A2-A8	20		1		1/2"	#12	#12			1800									1		20	SPARE		54
55	H	CP-A.2	15		1		1/2"	#12	#12	528				360			#12	#12	1/2"		1		20	Tank Level Sensor	O	56
57	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12		360				360		#12	#12	1/2"		1		20	RH - A1-A3	H	58
59	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12			360				1750									M	60
61	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12	360				1750			#10	#10	3/4"		3		25	ROLL UP DOOR	M	62
63	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12		360				1750										M	64
65	H	F-A.3	15		1		1/2"	#12	#12			600				1750									M	66
67	H	EF-A.7	15		1		1/2"	#12	#12	528				1750			#10	#10	3/4"		3		25	ROLL UP DOOR	M	68
69	H										480				1750										M	70
71	H	EF-A.8	15		3		1/2"	#12	#12			480				1750									M	72
73	H									480				1750			#10	#10	3/4"		3		25	ROLL UP DOOR	M	74
75		SPARE	20		1										1750										M	76
77		SPARE	20		1																1			SPACE		78
79		SPARE	20		1																					80
81		SPARE	20		1												#10	#10	3/4"		3		30	SPD		82
83		SPARE	20		1																					84
		SUB-FEED BREAKER #1			1									765										SUB-FEED BREAKER #2		
SUB		LR-1	100		3	X				11430															SUB	
											9310				1512					X	3		100	FSP13		
												8240				856										

COMMENTS: DOUBLE WIDE PANEL (2X42 SPACE) SHOWS AS ONE SCHEDULE. ONE PANELBOARD SHALL HAVE A MCB AND SHALL BEN AN M.L.O.

	LOAD CLASSIFICATION		DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C
M	MOTOR		100%	10	10	11	0	0	0	10	10	11	10	10	11
K	KITCHEN	APPLIANCE #: 0	100%	0	0	0	0	0	0	0	0	0	0	0	0
R	RECEPTACLES		10KVA+50%	0	0	0	11	9	8	11	9	8	7	6	6
L	LIGHTING		100%	1	2	2	0	0	0	1	2	2	1	2	2
H	HVAC		100%	8	8	7	0	0	0	8	8	7	8	8	7
N	N+1 REDUNDANT LOAD		50%	0	0	0	0	0	0	0	0	0	0	0	0
O	OTHER		100%	5	5	4	1	2	1	6	6	6	6	6	6
	TOTAL LOAD (KVA)			24	24	25	12	11	9	37	35	34	32	32	32
	TOTAL LOAD (AMPS)			201	201	208	103	91	78	304	293	286	271	268	266

CONNECTED (AMPS) 294
CONNECTED (KVA) 106
DEMAND (AMPS) 268
DEMAND (KVA) 97
SPARE 20%
RATING 125%
BASIS FOR RATING (AMPS) 402

Branch Panel: LR-1

Location: Elec RM 110
Supply From: HP1 VIA T-1
Mounting: Surface
Enclosure: Type 1
Notes:

Volts: 120/208 Wye
Phases: 3
Wires: 4

New Construction
A.I.C. Rating: 10000 A
Main Type: MLO
Main Rating: 225 A
MCB Rating: 0 A
Trip Function:

CKT	Load Name	Special	Trip	Poles	Wire Size	A	B	C	Wire Size	Poles	Trip	Special	Load Name	CKT
1	Rec Rm 103		20 A	1	1-#12, 1-#12, 1-#12	540 VA	720 VA		1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 102	2
3	Rec Rm 101		20 A	1	1-#12, 1-#12, 1-#12	720 VA	1,080 VA		1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 100	4
5	Rec Rm 100 , 106		20 A	1	1-#12, 1-#12, 1-#12	540 VA	360 VA		1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 107 - IT ROOM	6
7	EWC ADMIN	GFI	20 A	1	1-#12, 1-#12, 1-#12	500 VA								8
9	Rec Rm 108		20 A	1	1-#12, 1-#12, 1-#12	360 VA	1,080 VA		1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 109	10
11	Rec Rm 110 , 111		20 A	1	1-#12, 1-#12, 1-#12			1,080 VA	360 VA	1-#10, 1-#10, 1-#10	1	20 A		Rec. Rm 107 - IT ROOM	12
13	Rec Rm 112, 113, 114,...		20 A	1	1-#12, 1-#12, 1-#12	1,080 VA	1,260 VA			1-#10, 1-#10, 1-#10	1	20 A		Rec Exterior	14
15	Rec Exterior		20 A	1	1-#12, 1-#12, 1-#12			1,080 VA	360 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 108	16
17	Rec Rm 108		20 A	1	1-#12, 1-#12, 1-#12					1-#12, 1-#12, 1-#12	1	20 A		Mechanical equ.	18
19	Rec. Rm 108		20 A	1	1-#12, 1-#12, 1-#12	360 VA	500 VA			1-#4, 1-#4, 1-#8	1	30 A		Powered Gate	20
21	Powered Gate		30 A	1	1-#4, 1-#4, 1-#8			500 VA	360 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 107 - IT ROOM	22
23	Rec Rm 200 - Vending	GFI	20 A	1	1-#12, 1-#12, 1-#12					600 VA	600 VA	1-#12, 1-#12, 1-#12	1	20 A	GFI	Rec Rm 200 - Fridge	24
25	Rec Rm 100		20 A	1	1-#12, 1-#12, 1-#12	1,500 VA	360 VA						1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 108	26
27	Rec Rm 108		20 A	1	1-#12, 1-#12, 1-#12			360 VA	180 VA				1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 108	28
29	Rec Rm 108		20 A	1	1-#12, 1-#12, 1-#12					360 VA	360 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 108	30
31	Rec Rm 111 Dryer	GFI	30 A	2	2-#10, 1-#10, 1-#10	2,500 VA	1,500 VA						1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 109 Washer	32
33								2,500 VA	240 VA				1-#12, 1-#12, 1-#12	1	20 A	NOTE 1	FACP	34
35										1,500 VA	1,500 VA	1-#12, 1-#12, 1-#12	1	20 A	GFI	Rec Rm 200 - Microwave	36
37	DOOR CONTROLS		20 A	1	1-#12, 1-#12, 1-#12	360 VA	250 VA						2-#10, 1-#10, 1-#10	2	30 A		IT ROOM - 107	38
39	FAAP	NOTE 1	20 A	1	1-#12, 1-#12, 1-#12			240 VA	250 VA									40
41	REC RM 100		20 A	1	1-#12, 1-#12, 1-#12					1,080 VA								42
43																		44
45																		46
47																		48
49																		50
51																		52
53																		54
				Total Load:		11,430 VA		9,310 VA		7,740 VA								
				Total Amps:		97 A		80 A		65 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	28000 VA	67.86%	19000 VA		
Fire Alarm	480 VA	100.00%	480 VA	**Total Conn. Load:**	28 kVA
				Total Est. Demand:	19 kVA
				Total Conn.:	79 A
				Total Est. Demand:	54 A

Notes:
1. PROVIDE LOCKABLE, PERMANENTLY MARKED "FIRE ALARM" RED CIRCUIT BREAKER FOR FIRE ALARM.

****Provide conduit size per NEC 2014 Annex C, Tables C.1:C12a for specified wire type, size, and conductor material.**

800 AMP RATING
800 MCB TRIP: LSI SPECIAL:
480 /277 V, 3 PH, 4W
18 kA AIR

NEW
SURFACE
REQUIRED OCPD SPACE 99
TYPE 1

GROUP MOUNTED POWER PANEL: HDP-1

CIRCUIT	LOAD TYPE	SERVING	SPACE (INCHES)	OVERCURRENT PROTECTION DEVICE TRIP (AMPS)	FRAME	POLE	TRIP FUNCTION	SPECIAL FUNCTION	CIRCUIT WIRING SEE 1-LINE	RUNS	PHASE SIZE	NEUTRAL SIZE	GROUND	CONDUIT SIZE	CONNECTED LOAD (KVA) A	B	C	COMMENTS
	M														2			
1	M	Reclaim Pumping Station (5HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		2		
	M																2	
	M														2			
2	M	Reclaim Pumping Station (5HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		2		
	M																2	
	M														2			
3	M	Reclaim Pumping Station (5HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		2		
	M																2	
	O														1			
4	O	Reverse Osmosis (3HP)	4.5	15	125	3	TM			1	#12	#12	#12	3/4"		1		
	O																1	
	M														1			
5	M	RO Rinse Pump (2HP)	4.5	15	125	3	TM			1	#12		#12	3/4"		1		
	M																1	
	M														1			
6	M	RO Rinse Pump (2HP)	4.5	15	125	3	TM			1	#12		#12	3/4"		1		
	M																1	
	M														1			
7	M	RO Rinse Pump (2HP)	4.5	15	125	3	TM			1	#12		#12	3/4"		1		
	M																1	
	M														3			
8	M	Machine Control Panel (1X2HP + 4X1HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		3		
	M																3	
	M														3			
9	M	Machine Control Panel (1X2HP + 4X1HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		3		
	M																3	
	M														3			
10	M	Machine Control Panel (1X2HP + 4X1HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		3		
	M																3	
	M														3			
11	M	Cold Water Pressure (7 1/2 HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		3		
	M																3	
	N														3			
12	N	Cold Water Pressure (7 1/2 HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		3		
	N																3	
	M														3			
13	M	Cold Water Pressure (7 1/2 HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		3		
	M																3	
	M														24			
14	M	Dryer (5X10HP)	4.5	100	125	3	TM			1	#3		#8	1 1/4"		24		
	M																19	
	M														19			
15	M	Dryer (5X10HP)	4.5	100	125	3	TM			1	#3		#8	1 1/4"		19		
	M																19	
	M														19			
16	M	Dryer (5X10HP)	4.5	100	125	3	TM			1	#3		#6	1 1/4"		19		
	M																19	
	N														9			
17	N	Vacuum Unit SideWinder (25HP)	4.5	50	125	3	TM			1	#8		#10	3/4"		9		
	N																9	
	M														4			
18	M	Air Compressor (10HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		4		
	M																4	
															37			
19		LDP-1 VIA T-1	4.5	200	225	3	LSI		X							35		
																	34	
	H														4			
20	H	RTU-A.1	4.5	25	125	3	TM			1	#10		#10	3/4"		4		
	H																4	
	L														1			
21	L	Parking Lot Ltg	4.5	20	125	3	TM			1	#12	#12	#12	3/4"		1		
	L																1	
	N														9			
22	N	Vacuum Unit SideWinder (25HP)	4.5	50	125	3	TM			1	#8		#10	3/4"		9		
	N																9	
23		SPD	4.5	30	125	3	TM			1	#10	#10	#10	3/4"				

	LOAD CLASSIFICATION		DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C
M	MOTOR		100%	91	91	85	10	10	11	101	100	97	101	100	97
K	KITCHEN	APPLIANCE #	100%	0	0	0	0	0	0	0	0	0	0	0	0
R	RECEPTACLES		10KVA+50%	0	0	0	11	9	8	11	9	8	7	6	6
L	LIGHTING		100%	1	1	1	1	2	2	2	3	3	2	3	3
H	HVAC		100%	4	4	4	8	8	7	13	12	12	13	12	12
N	N+1 REDUNDANT LOAD		50%	21	21	21	0	0	0	21	21	21	11	11	11
O	OTHER		100%	1	1	1	6	6	6	7	7	6	7	7	6
	TOTAL LOAD (KVA)			118	118	113	37	35	34	154	153	147	140	139	134
	TOTAL LOAD (AMPS)			425	425	407	132	127	124	557	552	531	504	503	484

CONNECTED (AMPS) 547
CONNECTED (KVA) 454
DEMAND (AMPS) 497
DEMAND (KVA) 413
SPARE 20%
RATING 125%
BASIS FOR RATING (AMPS) 746

No.	REVISIONS	DATE	BY

Kimley»Horn
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Florida Registry #2485

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LICENSED PROFESSIONAL
Anthony D Wyrick, P.E.
FL LICENSE NUMBER #98346

PROJECT NUMBER 144124059
DATE 01/17/2025
1/8" = 1'-0"
DESIGNED BY ADW
DRAWN BY GAG
CHECKED BY ADW

PANEL SCHEDULES

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
E401

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400 AMP RATING
400 MCB TRIP: LSI SPECIAL:
208 /120 V, 3 PH, 4W
22 kA AIR

LIGHTING AND APPLIANCE PANEL: LDP-2

NEW
SURFACE
TYPE 1

CIRCUIT	LOAD TYPE	SERVING	CKT BREAKER TRIP	CKT BREAKER SPECIAL	CKT BREAKER POLE	SEE 1-LINE	CONDUIT SIZE	PHASE & NEUTRAL SIZE	EGC SIZE	CONNECTED LOAD (VA) A	B	C	CONNECTED LOAD (VA) A	B	C	EGC SIZE	PHASE & NEUTRAL SIZE	CONDUIT SIZE	SEE 1-LINE	CKT BREAKER POLE	CKT BREAKER SPECIAL	CKT BREAKER TRIP	SERVING	LOAD TYPE	CIRCUIT
1	O	Water Softener	20		1		1/2"	#12	#12	1200			1248			#12	#12	1/2"		2		20	DSSO-B.1	H	2
3	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12		1200			1248										H	4
5	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12			1200			1248	#12	#12	1/2"		2		20	DSSO-B.2	H	6
7	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12	1200			1248										H	8
9	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12		1200			1248		#12	#12	1/2"		2		20	DSSO-B.3	H	10
11	O	Machine Control Panel	20		1		1/2"	#12	#12			360			1248									H	12
13	O	Machine Control Panel	20		1		1/2"	#12	#12	360			603			#12	#12	1/2"		1		15	EF-B.4	H	14
15	O	Air Dryer	20		1		1/2"	#12	#12		820									1		20	SPARE	H	16
17	O	Auto Condensate Drain	20		1		1/2"	#12	#12			1500			1500									O	18
19	H	EF-B.5	15		1		1/2"	#12	#12	696			1500			#10	#10	3/4"		2		25	WH-B.1	O	20
21	H	EF-B.7	15		1		1/2"	#12	#12		696			2250										O	22
23	H	F-B.1	20		1		1/2"	#12	#12			864			2250	#10	#10	3/4"		2		30	WH-B.2	O	24
25	H	F-B.2	20		1		1/2"	#12	#12	864			1800			#10	#10	3/4"		1		25	WH-B.3	O	26
27	H	F-B.3	20		1		1/2"	#12	#12		864			500		#12	#12	1/2"		1		20	CP-B.2	O	28
29	L	LTG Offices, Admin Area, etc.	20		1		1/2"	#12	#12			1000			1370	#10	#10	3/4"		2		30	Car Lift (2HP)	M	30
31	L	LTG Maintence	20		1		1/2"	#12	#12	1000			1370											M	32
33	L	LTG Carwash	20		1		1/2"	#12	#12		1000			420										H	34
35	L	LTG Exterior	20		1		1/2"	#12	#12			1000			420	#12	#12	3/4"		3		15	EF-B.2	H	36
37	H	UH-B.1	20		2		1/2"	#12	#12	1500			420											H	38
39	H										1500			790										M	40
41	M	Car Lift (2HP)	30		2		3/4"	#10	#10			1370			790	#12	#12	1/2"		3		20	Wheel Balancer (1.5HP)	M	42
43	M									1370			790											M	44
45	M	Car Lift (2HP)	30		2		3/4"	#10	#10			1370			360	#12	#12	1/2"		1		20	Tank Level Sensor	O	46
47	M											1370			360	#12	#12	1/2"		1		20	RH - B1-B3	H	48
49	H	Exhaust Fan Control Circuit	15		1		1/2"	#12	#12	120			1884			#12	#12	1/2"		1		20	UH - B2-B8	H	50
51	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12		360			528		#12	#12	1/2"		1		15	EF-B.1	H	52
53	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12			360			240									H	54
55	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12	360			240			#12	#12	1/2"		3		15	EF-B.3	H	56
57	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12		360			240										H	58
59	O	Machine Control Panel	20		1		1/2"	#12	#12			360			1750									M	60
61	L	LTG Equip Room	20		1		1/2"	#12	#12	1000			1750			#10	#10	3/4"		3		25	ROLL UP DOOR	M	62
63	H	EF-B.8	15		1		1/2"	#12	#12		696			1750										M	64
65		SPARE	20		1										1750									M	66
67		SPARE	20		1								1750			#10	#10	3/4"		3		25	ROLL UP DOOR	M	68
69		SPARE	20		1									1750										M	70
71		SPARE	20		1										1750									M	72
73		SPARE	20		1								1750			#10	#10	3/4"		3		25	ROLL UP DOOR	M	74
75		SPARE	20		1									1750										M	76
77		SPARE	20		1															1			SPACE		78
79										11790															80
81		LR-2	100		3	X					9610					#10	#10	3/4"		3		30	SPD		82
83												7260													84
		SUB-FEED BREAKER #1																					SUB-FEED BREAKER #2		
SUB		FSP12	100		3	X				1500			5712												SUB
											600			5456					X	3	LSI	225	FSP11		
												0			5056										

COMMENTS: DOUBLE WIDE PANEL (2X42 SPACE) SHOWS AS ONE SCHEDULE. ONE PANELBOARD SHALL HAVE A MCB AND SHALL BEN AN M.L.O.

	LOAD CLASSIFICATION		DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C
M	MOTOR		100%	10	10	11	2	2	2	12	12	13	12	12	13
K	KITCHEN	APPLIANCE #: 0	100%	0	0	0	0	0	0	0	0	0	0	0	0
R	RECEPTACLES		10KVA+50%	0	0	0	12	10	7	12	10	7	8	6	5
L	LIGHTING		100%	2	1	2	0	0	0	2	1	2	2	1	2
H	HVAC		100%	9	7	4	0	0	0	9	7	4	9	7	4
N	N+1 REDUNDANT LOAD		50%	0	0	0	0	0	0	0	0	0	0	0	0
O	OTHER		100%	5	5	6	6	4	3	5	9	10	5	9	10
	TOTAL LOAD (KVA)			26	23	24	19	16	13	45	39	37	35	36	35
	TOTAL LOAD (AMPS)			217	191	200	160	132	104	376	323	305	293	297	288

CONNECTED (AMPS)	335
CONNECTED (KVA)	121
DEMAND (AMPS)	293
DEMAND (KVA)	105
SPARE	20%
RATING	125%
BASIS FOR RATING (AMPS)	439

Branch Panel: LR-2

New Construction

Location: Elec RM 212
Supply From: HP2 VIA T-2
Mounting: Surface
Enclosure: Type 1
Notes:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000 A
Main Type: MLO
Main Rating: 225 A
MCB Rating: 0 A
Trip Function:

CKT	Load Name	Special	Trip	Poles	Wire Size	A	B	C	Wire Size	Poles	Trip	Special	Load Name	CKT
1	Rec. Rm 203		20 A	1	1-#12, 1-#12, 1-#12	540 VA	720 VA		1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 202	2
3	Rec. Rm 201		20 A	1	1-#12, 1-#12, 1-#12			720 VA	720 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 200	4
5	Rec. Rm 200,217		20 A	1	1-#12, 1-#12, 1-#12			900 VA	360 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 207 - IT RM	6
7	EWC ADMIN	GFI	20 A	1	1-#12, 1-#12, 1-#12	500 VA									8
9	Rec. Rm 208		20 A	1	1-#12, 1-#12, 1-#12			360 VA	1,080 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 209	10
11	Rec. Rm 210, 211		20 A	1	1-#12, 1-#12, 1-#12					1,080 VA	360 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 207 - IT RM	12
13	Rec. Rm 212,213,214,215		20 A	1	1-#12, 1-#12, 1-#12	1,440 VA	1,260 VA						1-#10, 1-#10, 1-#10	1	20 A		Rec. Exterior	14
15	Rec Exterior		20 A	1	1-#12, 1-#12, 1-#12			900 VA	360 VA				1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 208	16
17	Rec. Rm 208		20 A	1	1-#12, 1-#12, 1-#12					360 VA	540 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec Roof	18
19	Rec. Rm 208		20 A	1	1-#12, 1-#12, 1-#12	360 VA	500 VA						1-#4, 1-#4, 1-#8	1	30 A		Powered Gate	20
21	Site HH-Box		20 A	1	1-#12, 1-#12, 1-#12			500 VA	360 VA				1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 207 - IT RM	22
23	Rec Rm 200 - Vending		20 A	1	1-#12, 1-#12, 1-#12					600 VA	600 VA	1-#12, 1-#12, 1-#12	1	20 A	GFI	Rec Rm 200 - Fridge	24
25	Rec. Rm. 200		20 A	1	1-#12, 1-#12, 1-#12	1,500 VA	360 VA						1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm. 208	26
27	Rec. Rm. 208		20 A	1	1-#12, 1-#12, 1-#12			360 VA	180 VA				1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm. 208	28
29	Rec. Rm. 208		20 A	1	1-#12, 1-#12, 1-#12					360 VA	360 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm. 208	30
31	Rec Rm 211 Dryer		30 A	2	2-#12, 1-#12, 1-#12	2,500 VA	1,500 VA						1-#12, 1-#12, 1-#12	1	20 A	GFI	Rec Rm 211 - Washer	32
33								2,500 VA	240 VA				1-#12, 1-#12, 1-#12	1	20 A	NOTE 1	Fire Alarm	34
35	Fire Alarm	NOTE 1	20 A	1	1-#12, 1-#12, 1-#12					240 VA	1,500 VA	1-#12, 1-#12, 1-#12	1	20 A	GFI	Rec Rm 200 - Microwave	36
37	DOOR CONTROL;		20 A	1	1-#12, 1-#12, 1-#12	360 VA	250 VA						2-#10, 1-#10, 1-#10	2	30 A		IT ROOM 207	38
39	REC RM 200		20 A	1	1-#12, 1-#12, 1-#12			1,080 VA	250 VA									40
41																		42
43																		44
45																		46
47																		48
49																		50
51																		52
53																		54
				Total Load:		11,790 VA		9,610 VA		7,260 VA								
				Total Amps:		101 A		83 A		61 A								

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	28180 VA	67.74%	19090 VA		
Fire Alarm	480 VA	100.00%	480 VA	Total Conn. Load:	29 kVA
				Total Est. Demand:	20 kVA
				Total Conn.:	80 A
				Total Est. Demand:	54 A

Notes:

1. PROVIDE LOCKABLE, PERMANENTLY MARKED "FIRE ALARM" RED CIRCUIT BREAKER FOR FIRE ALARM.

****Provide conduit size per NEC 2014 Annex C, Tables C.1:C12a for specified wire type, size, and conductor material.**

800 AMP RATING
800 MCB TRIP: LSI SPECIAL:
480 /277 V, 3 PH, 4W
18 kA AIR

GROUP MOUNTED POWER PANEL: HDP-2

NEW
SURFACE
REQUIRED OCPD SPACE 108
TYPE 1

CIRCUIT	LOAD TYPE	SERVING	SPACE (INCHES)	OVERCURRENT PROTECTION DEVICE TRIP (AMPS)	FRAME	POLE	TRIP FUNCTION	SPECIAL FUNCTION	CIRCUIT WIRING SEE 1-LINE	RUNS	PHASE SIZE	NEUTRAL SIZE	GROUND	CONDUIT SIZE	CONNECTED LOAD (KVA) A	B	C	COMMENTS
	M														2			
1	M	Reclaim Pumping Station (5HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		2		
	M																2	
	M														2			
2	M	Reclaim Pumping Station (5HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		2		
	M																2	
	M														2			
3	M	Reclaim Pumping Station (5HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		2		
	M																2	
	O														1			
4	O	Reverse Osmosis (3HP)	4.5	15	125	3	TM			1	#12	#12	#12	3/4"		1		
	O																1	
	M														1			
5	M	Ro Rinse Pump (2HP)	4.5	15	125	3	TM			1	#12		#12	3/4"		1		
	M																1	
	M														1			
6	M	Ro Rinse Pump (2HP)	4.5	15	125	3	TM			1	#12		#12	3/4"		1		
	M																1	
	M														1			
7	M	Ro Rinse Pump (2HP)	4.5	15	125	3	TM			1	#12		#12	3/4"		1		
	M																1	
	M														3			
8	M	Machine Control Panel (1X2HP + 4X1HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		3		
	M																3	
	M														3			
9	M	Machine Control Panel (1X2HP + 4X1HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		3		
	M																3	
	M														3			
10	M	Machine Control Panel (1X2HP + 4X1HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		3		
	M																3	
	M														3			
11	M	Cold Water Pressure (7 1/2 HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		3		
	M																3	
	M														3			
12	M	Cold Water Pressure (7 1/2 HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		3		
	M																3	
	M														3			
13	M	Cold Water Pressure (7 1/2 HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		3		
	M																3	
	M														19			
14	M	Dryer (5X10HP)	4.5	100	125	3	TM			1	#3		#8	1 1/4"		19		
	M																19	
	M														19			
15	M	Dryer (5X10HP)	4.5	100	125	3	TM			1	#3		#8	1 1/4"		19		
	M																19	
	M														19			
16	M	Dryer (5X10HP)	4.5	100	125	3	TM			1	#3		#8	1 1/4"		19		
	M																19	
	N														9			
17	N	Vacuum Unit Sidewinder (25HP)	4.5	50	125	3	TM			1	#8		#10	3/4"		9		
	N																9	
	M														4			
18	M	Air Compressor (10HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		4		
	M																4	
															45			
19		LDP-2 VIA T-2	7.5	200	225	3	LSI	X								39		
																	37	
	H														4			
20	H	RTU-B.1	4.5	25	125	3	TM			1	#10		#10	3/4"		4		
	H																4	
	L														1			
21	L	Parking Lot Ltg	4.5	20	125	3	TM			1	#12	#12	#12	3/4"		1		
	L																1	
	N														9			
22	N	Vacuum Unit Sidewinder (25HP)	4.5	50	125	3	TM			1	#8		#10	3/4"		9		
	N																9	
23		SPD	4.5	30	125	3	TM			1	#10	#10	#10	3/4"				

	LOAD CLASSIFICATION		DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C
M	MOTOR		100%	89	89	89	12	12	13	101	101	103	101	101	103
K	KITCHEN	APPLIANCE #	100%	0	0	0	0	0	0	0	0	0	0	0	0
R	RECEPTACLES		10KVA+50%	0	0	0	12	10	7	12	10	7	8	6	5
L	LIGHTING		100%	1	1	1	2	1	2	3	2	3	3	2	3
H	HVAC		100%	4	4	4	9	7	4	13	12	9	13	12	9
N	N+1 REDUNDANT LOAD		50%	19	19	19	0	0	0	19	19	19	9	9	9
O	OTHER		100%	1	1	1	5	9	10	6	10	11	6	10	11
	TOTAL LOAD (KVA)			115	115	115	39	39	37	155	154	152	141	141	140
	TOTAL LOAD (AMPS)			415	415	415	142	140	132	558	555	547	509	510	506

CONNECTED (AMPS)	553
CONNECTED (KVA)	460
DEMAND (AMPS)	508
DEMAND (KVA)	423
SPARE	20%
RATING	125%
BASIS FOR RATING (AMPS)	762

No.	REVISIONS	DATE	BY

Kimley»Horn

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#98346

PROJECT NUMBER 144124059
DATE 01/17/2025
1/8" = 1'-0"
DESIGNED BY ADW
DRAWN BY GAG
CHECKED BY ADW

PANEL SCHEDULES

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
E402

2/13/2025 1:08:31 PM Autodesk Docs://TIA\1 GTA Buildings\TIA1 GTA Building_MEP-HDP_2024.rvt
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400 AMP RATING
400 MCB TRIP: LSI SPECIAL:
208 /120 V, 3 PH, 4W
22 kA AIR

LIGHTING AND APPLIANCE PANEL: LDP-3

NEW
SURFACE
TYPE 1

CIRCUIT	LOAD TYPE	SERVING	CKT BREAKER TRIP	CKT BREAKER SPECIAL	CKT BREAKER POLE	SEE 1-LINE	CONDUIT SIZE	PHASE & NEUTRAL SIZE	EGC SIZE	CONNECTED LOAD (VA) A	CONNECTED LOAD (VA) B	CONNECTED LOAD (VA) C		CONNECTED LOAD (VA) A	CONNECTED LOAD (VA) B	CONNECTED LOAD (VA) C	EGC SIZE	PHASE & NEUTRAL SIZE	CONDUIT SIZE	SEE 1-LINE	CKT BREAKER POLE	CKT BREAKER SPECIAL	CKT BREAKER TRIP	SERVING	LOAD TYPE	CIRCUIT
1	O	Water Softener	20		1		1/2"	#12	#12	1200				1248			#12	#12	1/2"		2		20	DSSO-C.1	H	2
3	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12		1200				1248		#12	#12	1/2"		2		20	DSSO-C.2	H	4
5	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12			1200				1248	#12	#12	1/2"		2		20		H	6
7	M	Submersible Pump for Reclaim Water(1/2HP)	15		1		1/2"	#12	#12	1200				1248			#12	#12	1/2"		2		20	DSSO-C.3	H	8
9	O	Machine Control Panel	20		1		1/2"	#12	#12		360				1248		#12	#12	1/2"		2		20		H	10
11	O	Machine Control Panel	20		1		1/2"	#12	#12			360				1248	#12	#12	1/2"		2		20		H	12
13	O	Auto Condensate Drain	20		1		1/2"	#12	#12	1500				603			#12	#12	1/2"		1		15	EF-C.4	H	14
15	O	Air Dryer	20		1		1/2"	#12	#12		820										1		15	SPARE		16
17	H	EF-C.1	15		1		1/2"	#12	#12			528				1500					2		25	WH-C.1	O	18
19	H	EF-C.5	15		1		1/2"	#12	#12	696				1500			#10	#10	3/4"		2		25		O	20
21		SPARE	20		1										2250		#10	#10	3/4"		2		30	WH-C.2	O	22
23	H	F-C.1	20		1		1/2"	#12	#12			864				2250					2		30		O	24
25	H	F-C.2	20		1		1/2"	#12	#12	864				1500			#12	#12	1/2"		2		20	UH-C.1	H	26
27	H	Exhaust Fan Control Circuit	15		1		1/2"	#12	#12		120				1500						1		15		H	28
29	L	LTG Offices, Admin Area, etc.	20		1		1/2"	#12	#12			1000				1560	#10	#10	3/4"		1		25	WH-C.3	O	30
31	L	LTG Maintence	20		1		1/2"	#12	#12	1000				528			#12	#12	1/2"		1		15	CP-C.2	O	32
33	L	LTG Carwash	20		1		1/2"	#12	#12		1000				552										H	34
35	L	LTG Exterior	20		1		1/2"	#12	#12			1000				552	#12	#12	1/2"		3		15	EF-C.2	H	36
37	M	Car Lift (2HP)	30		2		3/4"	#10	#10	1370				552											H	38
39	M										1370				288										H	40
41	M	Car Lift (2HP)	30		2		3/4"	#10	#10			1370				288	#12	#12	1/2"		3		15	EF-C.3	H	42
43	M									1370				288											H	44
45	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12		360				700										M	46
47	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12			360				700	#12	#12	1/2"		3		20	Wheel Balancer (1.5HP)	M	48
49	O	Submersible Pump for Reclaim Water	20		1		1/2"	#12	#12	360				700											M	50
51	O	Tank Level Sensor	20		1		1/2"	#12	#12		360				1750										M	52
53	H	RH - C1-C2	15		1		1/2"	#12	#12			240				1750	#10	#10	3/4"		3		25	ROLL UP DOOR	M	54
55	H	UH - C2-C6	20		1		1/2"	#12	#12	1380				1750											M	56
57	L	LTG Carwash Equipment, etc.	20		1		1/2"	#12	#12		1000				1750										M	58
59	H	EF-C.7	15		1		1/2"	#12	#12			528				1750	#10	#10	3/4"		3		25	ROLL UP DOOR	M	60
61		SPACE			1									1750											M	62
63		SPACE			1										1750										M	64
65		SPACE			1											1750	#10	#10	3/4"		3		25	ROLL UP DOOR	M	66
67		SPACE			1									1750											M	68
69		SPACE			1																1		20	SPARE		70
71		SPACE			1																1		20	SPARE		72
73		SPACE			1																1		20	SPARE		74
75		SPACE			1																1		20	SPARE		76
77		SPACE			1																1		20	SPARE		78
79		SPACE			1																					80
81		SPACE			1												#10	#10	3/4"		3		30	SPD		82
83		SPACE			1																					84
		SUB-FEED BREAKER #1																						SUB-FEED BREAKER #2		
SUB		LR3	100		3	X				8490	9530	8980		756	756	100				X	3		100	FSP14		SUB

COMMENTS: DOUBLE WIDE PANEL (2X42 SPACE) SHOWS AS ONE SCHEDULE. ONE PANELBOARD SHALL HAVE A MCB AND SHALL BEN AN M.L.O.

	LOAD CLASSIFICATION		DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C
M	MOTOR		100%	10	9	9	0	0	0	10	9	9	10	9	9
K	KITCHEN	APPLIANCE #: 0	100%	0	0	0	0	0	0	0	0	0	0	0	0
R	RECEPTACLES		10KVA+50%	0	0	0	9	10	9	9	10	9	6	7	6
L	LIGHTING		100%	1	2	2	0	0	0	1	2	2	1	2	2
H	HVAC		100%	8	5	5	0	0	0	8	5	5	8	5	5
N	N+1 REDUNDANT LOAD		50%	0	0	0	0	0	0	0	0	0	0	0	0
O	OTHER		100%	5	4	6	1	1	0	6	5	6	6	5	6
	TOTAL LOAD (KVA)			24	20	22	10	11	9	34	31	31	31	27	28
	TOTAL LOAD (AMPS)			203	163	184	80	91	76	282	255	259	261	227	236

CONNECTED (AMPS)	265
CONNECTED (KVA)	96
DEMAND (AMPS)	241
DEMAND (KVA)	87
SPARE	20%
RATING	125%
BASIS FOR RATING (AMPS)	362

Branch Panel: LR-3

New Construction

Location: Elec RM 310
Supply From: HP3 VIA T-3
Mounting: Surface
Enclosure: Type 1
Notes:

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 0 A
Main Type: MLO
Main Rating: 225 A
MCB Rating: 0 A
Trip Function:

CKT	Load Name	Special	Trip	Poles	Wire Size	A		B		C		Wire Size	Poles	Trip	Special	Load Name	CKT
1	Rec Roof		20 A	1	1-#12, 1-#12, 1-#12	720 VA	360 VA					1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 306	2
3	Rec. Rm 306		20 A	1	1-#12, 1-#12, 1-#12			360 VA	500 VA			1-#4, 1-#4, 1-#8	1	30 A		Powered Gate	4
5	Rec. Rm 306		20 A	1	1-#12, 1-#12, 1-#12					360 VA	360 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 306	6
7	FAAP	NOTE 1	20 A	1	1-#12, 1-#12, 1-#12	240 VA	360 VA					1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 300	8
9	Rec. Rm 300		20 A	1	1-#12, 1-#12, 1-#12			540 VA	1,080 VA			1-#12, 1-#12, 1-#12	1	20 A		Rec Exterior	10
11	Rec. Rm 301		20 A	1	1-#12, 1-#12, 1-#12					720 VA	720 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 302	12
13	Rec. Rm 303, 304		20 A	1	1-#12, 1-#12, 1-#12	360 VA	1,260 VA					1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 307, 308	14
15	Powered Gate		30 A	1	1-#4, 1-#4, 1-#8			500 VA	900 VA			1-#12, 1-#12, 1-#12	1	20 A		Rec. Exterior	16
17	Rec. Rm 310 - 313		20 A	1	1-#12, 1-#12, 1-#12					1,440 VA	720 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm 309	18
19	EWC ADMIN	GFI	20 A	1	1-#12, 1-#12, 1-#12	500 VA	1,500 VA					1-#12, 1-#12, 1-#12	1	20 A		Rec. Rm. 300	20
21	Rec Rm 309 - Dryer		30 A	2	2-#12, 1-#12, 1-#12			2,500 VA	600 VA			1-#12, 1-#12, 1-#12	1	20 A	GFI	Rec Rm 300 - Fridge	22
23										2,500 VA	360 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 305 - IT RM	24
25	Rec Rm 309 - Washer		20 A	1	1-#12, 1-#12, 1-#12	1,500 VA	360 VA					1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 306	26
27	Rec Rm 300 - Vending		20 A	1	1-#12, 1-#12, 1-#12			600 VA	360 VA			1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 306	28
29	Rec Rm 305 - IT RM		20 A	1	1-#12, 1-#12, 1-#12					360 VA	360 VA	1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 306	30
31	Rec Rm 305 - IT RM		20 A	1	1-#12, 1-#12, 1-#12	360 VA	360 VA					1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 306	32
33	FACP	NOTE 1	20 A	1	1-#12, 1-#12, 1-#12			240 VA	1,500 VA			1-#12, 1-#12, 1-#12	1	20 A		Rec Rm 300 - Microwave	34
35	Floor Box - Admin Area		20 A	1	1-#12, 1-#12, 1-#12					1,080 VA							36
37	DOOR CONTROLS		20 A	1	1-#12, 1-#12, 1-#12	360 VA	250 VA										38
39	IRRIGATION CONTROLS		20 A	1	1-#10, 1-#10, 1-#10			500 VA	250 VA			2-#10, 1-#10, 1-#10	2	30 A		IT ROOM 305	40
41																	42
43																	44
45																	46
47																	48
49																	50
51																	52
53																	54
			Total Load:			8,490 VA		10,430 VA		8,980 VA							
			Total Amps:			71 A		88 A		75 A							

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	27420 VA	68.23%	18710 VA		
Fire Alarm	480 VA	100.00%	480 VA	**Total Conn. Load:**	28 kVA
				Total Est. Demand:	19 kVA
				Total Conn.:	77 A
				Total Est. Demand:	53 A

Notes:

1. PROVIDE LOCKABLE, PERMANENTLY MARKED "FIRE ALARM" RED CIRCUIT BREAKER FOR FIRE ALARM.

****Provide conduit size per NEC 2014 Annex C, Tables C.1:C12a for specified wire type, size, and conductor material.**

600 AMP RATING
600 MCB TRIP: LSI SPECIAL:
480 /277 V, 3 PH, 4W
18 kA AIR

GROUP MOUNTED POWER PANEL: HDP-3

NEW
SURFACE
REQUIRED OCPD SPACE 99
TYPE 1

CIRCUIT	LOAD TYPE	SERVING	SPACE (INCHES)	OVERCURRENT PROTECTION DEVICE TRIP (AMPS)	FRAME	POLE	TRIP FUNCTION	SPECIAL FUNCTION	CIRCUIT WIRING SEE 1-LINE	RUNS	PHASE SIZE	NEUTRAL SIZE	GROUND	CONDUIT SIZE	CONNECTED LOAD (KVA) A	B	C	COMMENTS
	M														2			
1	M	Reclaim Pumping Station (5HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		2		
	M																2	
	M														2			
2	M	Reclaim Pumping Station (5HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		2		
	M																2	
	O														1			
3	O	Reverse Osmosis (3HP)	4.5	15	125	3	TM			1	#12	#12	#12	3/4"		1		
	O																1	
	M														1			
4	M	RO Rinse Pump (2HP)	4.5	15	125	3	TM			1	#12		#12	3/4"		1		
	M																1	
	M														1			
5	M	RO Rinse Pump (2HP)	4.5	15	125	3	TM			1	#12		#12	3/4"		1		
	M																1	
	M														3			
6	M	Machine Control Panel (1X2HP + 4X1HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		3		
	M																3	
	M														3			
7	M	Machine Control Panel (1X2HP + 4X1HP)	4.5	20	125	3	TM			1	#12		#12	3/4"		3		
	M																3	
	M														3			
8	M	Cold Water Pressure (7 1/2HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		3		
	M																3	
	M														3			
9	M	Cold Water Pressure (7 1/2HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		3		
	M																3	
	M														19			
10	M	Dryer (5X10HP)	4.5	100	125	3	TM			1	#3		#8	1 1/4"		19		
	M																19	
	M														19			
11	M	Dryer (5X10HP)	4.5	100	125	3	TM			1	#3		#8	1 1/4"		19		
	M																19	
	N														6			
12	N	Vacuum Unit Side Winder (15HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		6		
	N																6	
	M														4			
13	M	Air Compressor (10HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		4		
	M																4	
															34			
14		LDP-3 Via T-3	4.5	200	225	3	LSI		X							31		
																	31	
	H														4			
15	H	RTU-C.1	4.5	25	125	3	TM			1	#10		#10	3/4"		4		
	H																4	
	L														1			
16	L	Parking Lot Ltg	4.5	20	125	3	TM			1	#10	#10	#10	3/4"		1		
	L																1	
	N														6			
17	N	Vacuum Unit Side Winder (15HP)	4.5	30	125	3	TM			1	#10		#10	3/4"		6		
	N																6	
18																		
19																		
20		SPD	4.5	30	125	3	TM			1	#10	#10	#10	3/4"				

	LOAD CLASSIFICATION		DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C
M	MOTOR		100%	61	61	61	10	9	9	71	69	69	71	69	69
K	KITCHEN	APPLIANCE #	100%	0	0	0	0	0	0	0	0	0	0	0	0
R	RECEPTACLES		10KVA+50%	0	0	0	9	10	9	9	10	9	6	7	6
L	LIGHTING		100%	1	1	1	1	2	2	2	3	3	2	3	3
H	HVAC		100%	4	4	4	8	5	5	12	9	9	12	9	9
N	N+1 REDUNDANT LOAD		50%	12	12	12	0	0	0	12	12	12	6	6	6
O	OTHER		100%	1	1	1	6	5	6	8	7	8	8	7	8
	TOTAL LOAD (KVA)			79	79	79	34	31	31	113	109	110	104	100	101
	TOTAL LOAD (AMPS)			285	285	285	122	110	112	407	395	397	377	362	366

CONNECTED (AMPS)	400
CONNECTED (KVA)	332
DEMAND (AMPS)	368
DEMAND (KVA)	306
SPARE	20%
RATING	125%
BASIS FOR RATING (AMPS)	552

No.	REVISIONS	DATE	BY

Kimley»Horn
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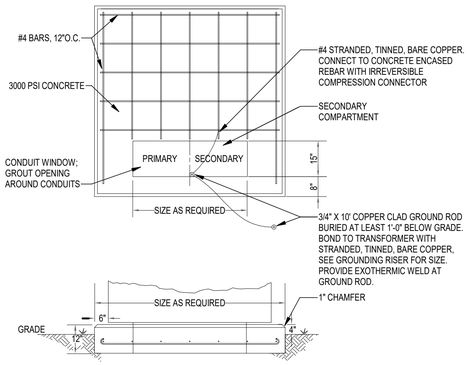
PROJECT NUMBER 144124059
DATE 01/17/2025
1/8" = 1'-0"
DESIGNED BY ADW
DRAWN BY GAG
CHECKED BY ADW

PANEL SCHEDULES

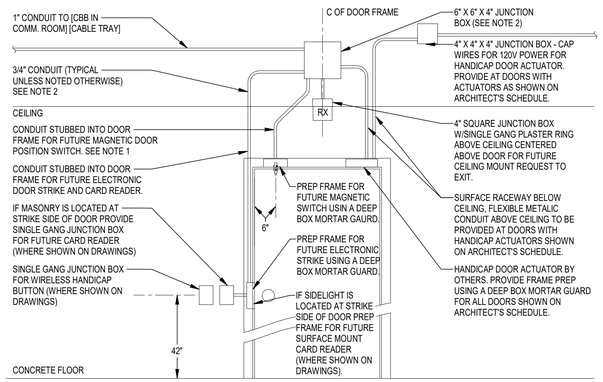
QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
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J TRANSFORMER PAD DETAIL N.T.S.



NOTES:

1.) DETAIL REPRESENTS TYPICAL CONDUIT REQUIREMENTS. SEE THE FLOOR PLANS AND SCHEDULES FOR EXACT DEVICE LOCATIONS.
2.) ALL CONDUIT SHOWN IN THESE DETAILS SHALL BE EMT. UNLESS NOTED OTHERWISE.

K SINGLE DOOR SECURITY DEVICE ROUGH-IN DETAIL N.T.S.

NOTES:

1. CONDUIT LOCATED IN FINISHED SPACES AND AT BUILDING EXTERIOR SHALL BE INSTALLED IN A CONCEALED FASHION, UNLESS NOTED OTHERWISE.

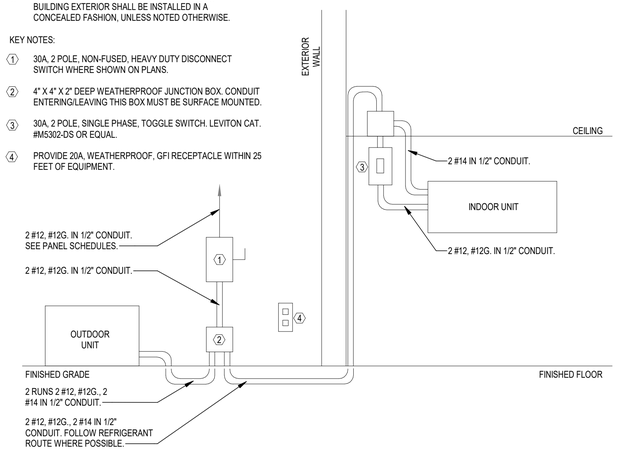
KEY NOTES:

① 30A, 2 POLE, NON-FUSED, HEAVY DUTY DISCONNECT SWITCH WHERE SHOWN ON PLANS.

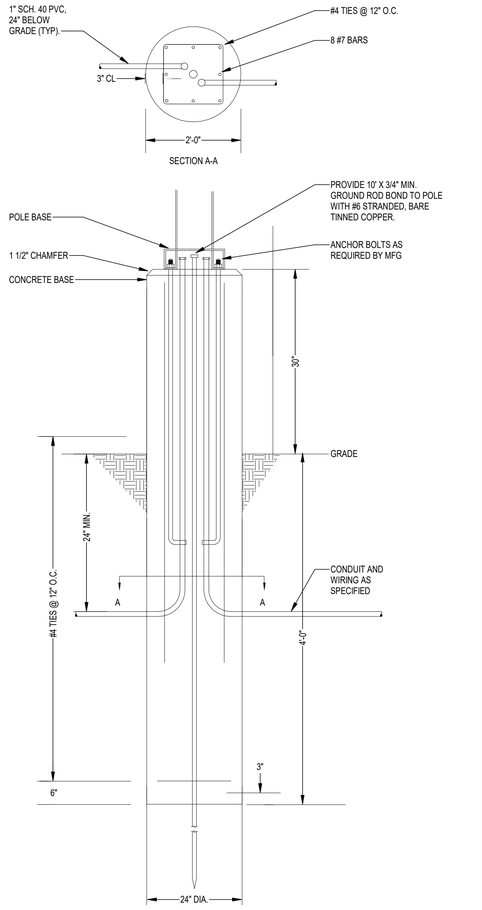
② 4" X 4" X 2" DEEP WEATHERPROOF JUNCTION BOX. CONDUIT ENTERING/LEAVING THIS BOX MUST BE SURFACE MOUNTED.

③ 30A, 2 POLE, SINGLE PHASE, TOGGLE SWITCH. LEVITON CAT. #M5302-DS OR EQUAL.

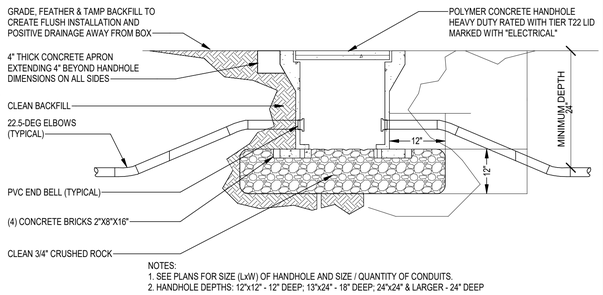
④ PROVIDE 20A, WEATHERPROOF, GFI RECEPTACLE WITHIN 25 FEET OF EQUIPMENT.



L SPLIT SYSTEM WIRING DIAGRAM N.T.S.

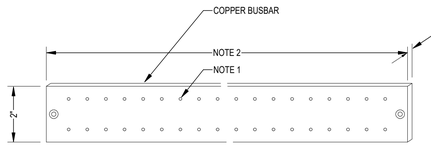


F ROUND POLE BASE DETAIL N.T.S.



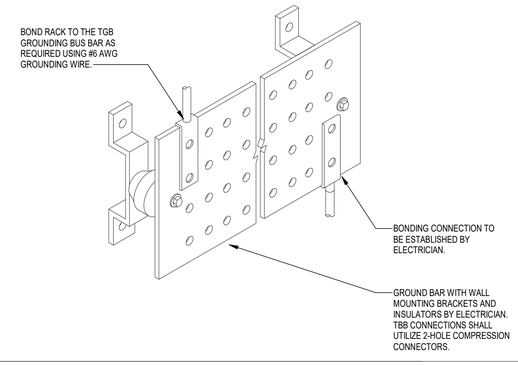
NOTES:
1. SEE PLANS FOR SIZE (LxW) OF HANDHOLE AND SIZE / QUANTITY OF CONDUITS.
2. HANDHOLE DEPTHS: 12"x12" - 12" DEEP; 13"x24" - 18" DEEP; 24"x24" & LARGER - 24" DEEP

G IN GRADE POLYMER CONCRETE HANDHOLE - TURF AREAS N.T.S.



NOTES:
1. PREDRILLED BOLT HOLE SIZE AND SPACING AS PER NEMA STANDARDS.
2. VARIABLE LENGTH TO MATCH CURRENT REQUIREMENTS PLUS MINIMUM 20% SPARE CAPACITY. TBB CONNECTIONS SHALL UTILIZE 2-HOLE COMPRESSION CONNECTORS.
3. MOUNT BAR TO BACKBOARD WITH INSULATED MOUNTING BRACKET.

H TELECOM GROUNDING BUSBAR (TGB) N.T.S.



A GROUNDING BAR DETAIL N.T.S.

WARNING

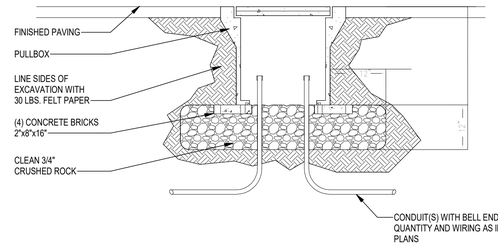
Arc Flash and Shock Risk

Appropriate PPE Required

Arc Flash Protection		Required PPE	
5 in	Arc Flash Boundary	**Level 4**	Minimum Arc Rating: **40 cal/cm^2**
0.16 cal/cm^2	Incident Energy at **18 in**	Clothing: Arc-rated shirt & pants + arc-rated coverall + arc-rated arc flash suit.	
Shock Protection		Head, Eye & Hearing Protection: Hardhat + Arc-rated hard hat liner + Safety Glasses or Goggles + Ear Canal Inserts	
208 VAC	Shock Risk When Cover Is Removed	Hand & Arm Protection: Arc-rated Gloves	
42 in	Limited Approach	Glove Class:	**00 below 500V**
12 in	Restricted Approach	**Equipment ID: EQUIPMENT NAME**	
1 in	Prohibited Approach	Warning: Changes in equipment settings or system configuration will invalidate the calculated values and PPE requirements.	
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NOTE: ELECTRICIAN SHALL PROVIDE COLORED ARC FLASH WARNING LABELS ON ADHESIVE MATERIAL FOR ALL ELECTRICAL PANELS AND OTHER EQUIPMENT LIKELY TO BE EXAMINED AND ADJUSTED WHILE ENERGIZED PER NEC 2014 SECTION 110.16. PRIOR TO COMPLETION, CONTACT ENGINEER FOR AN ELECTRONIC COPY OF LABELS. LABELS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

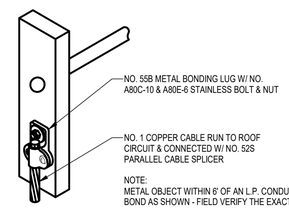
B EXAMPLE ARC FLASH HAZARD LABEL N.T.S.



C UNDERGROUND CONCRETE PULLBOX - PAVED AREAS N.T.S.



D TYPICAL ACCEPTABLE CABLE BEND N.T.S.



E TYPICAL MISCELLANEOUS BOND N.T.S.

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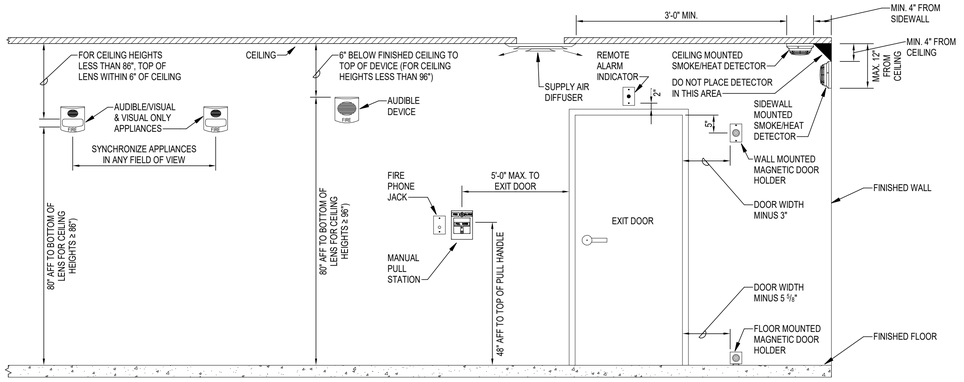
PROJECT NUMBER	DESIGNED BY	ADW
144124059		
DATE	DRAWN BY	GAG
01/17/2025		
1/8" = 1'-0"	CHECKED BY	ADW

DETAILS

QUICK - TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE FLORIDA

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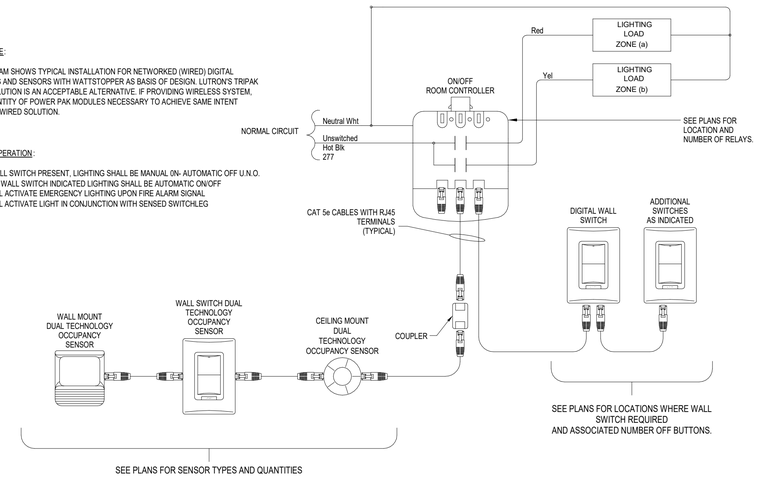
C FIRE ALARM EQUIPMENT MOUNTING HEIGHT

GENERAL NOTE:

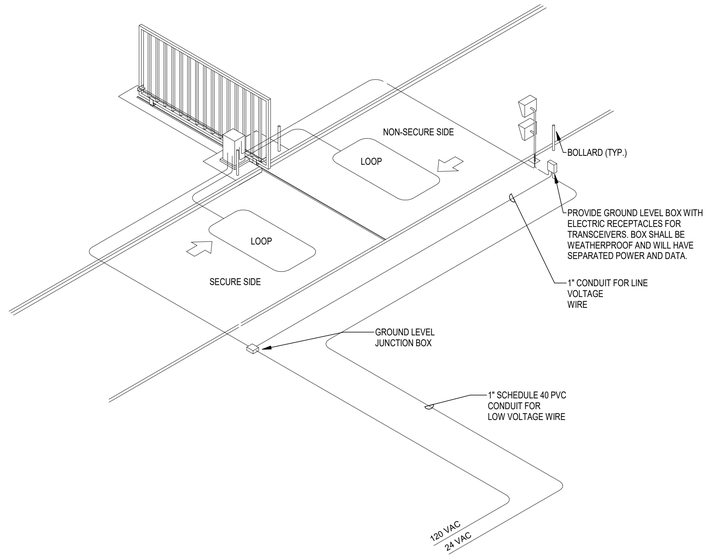
WIRING DIAGRAM SHOWS TYPICAL INSTALLATION FOR NETWORKED (WIRED) DIGITAL CONTROLLERS AND SENSORS WITH WATTSTOPPER AS BASIS OF DESIGN. LUTRON'S TRIPAK WIRELESS SOLUTION IS AN ACCEPTABLE ALTERNATIVE. IF PROVIDING WIRELESS SYSTEM, PROVIDE QUANTITY OF POWER PAK MODULES NECESSARY TO ACHIEVE SAME INTENT INDICATED BY WIRED SOLUTION.

SEQUENCE OF OPERATION:

1. WHERE WALL SWITCH PRESENT, LIGHTING SHALL BE MANUAL ON- AUTOMATIC OFF U.N.O.
2. WHERE NO WALL SWITCH INDICATED LIGHTING SHALL BE AUTOMATIC ON/OFF
3. ELCU SHALL ACTIVATE EMERGENCY LIGHTING UPON FIRE ALARM SIGNAL
4. ELCU SHALL ACTIVATE LIGHT IN CONJUNCTION WITH SENSED SWITCHLEG



A ROOM ON/OFF CONTROLLER - TYPICAL FOR OFFICES



B TYPICAL ENTRY GATE SCHEMATIC DIAGRAM

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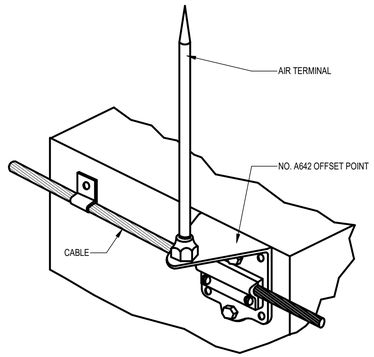
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DRAWN BY	GAG
CHECKED BY	ADW

DETAILS

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CITY OF TALLAHASSEE
FLORIDA

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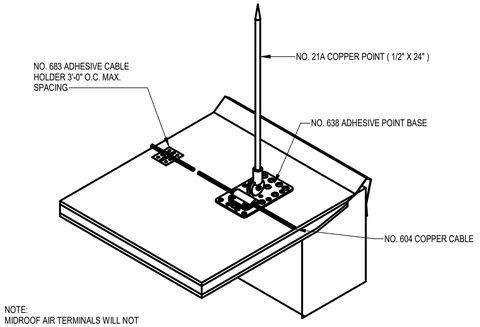
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TYPICAL OFFSET AIR TERMINAL

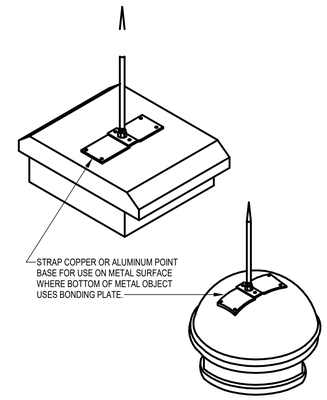
N.T.S.

D TYPICAL OFFSET AIR TERMINAL

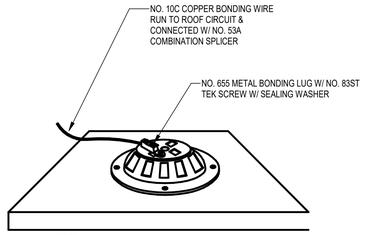


NOTE:
MIDROOF AIR TERMINALS WILL NOT BE NEAR THE ROOF EDGE AS SHOWN.
NOTE:
POINT BASE & CABLE HOLDER WILL BE SET IN AN ADHESIVE COMPUND PROVIDED BY OTHERS.

A TYPICAL ADHESIVE AIR BASED TERMINAL

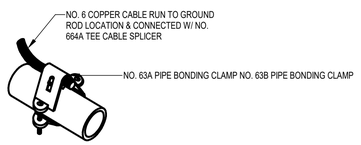


E EXHAUST FAN MOUNTED AIR TERMINAL



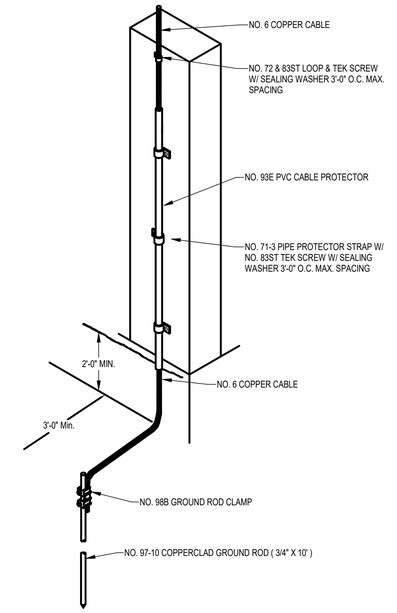
NOTE:
METAL DRAIN WITHIN 6' OF AN L.P. CONDUCTOR BOND AS SHOWN - FIELD VERIFY THE EXACT LOCATION

F TYPICAL ROOF DRAIN BOND

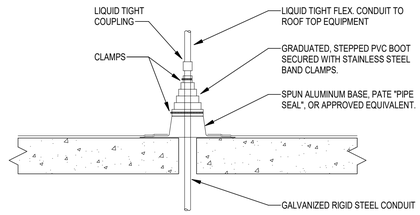


N.T.S.

G TYPICAL BELOW GRADE PIPE BOND



B TYPICAL DOWNLEAD & GROUND



NOTES:

1. INSTALL PIPE SEAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND CONSISTENT WITH ROOF CONSTRUCTION.

C ROOF PIPE SEAL DETAIL

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FL LICENSE NUMBER
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DATE			
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1/8" = 1'-0"			

DETAILS - LIGHTNING PROTECTION

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PLUMBING NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE AND LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS THAT REQUIRE PIPING OR DUCT CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.
3. PRESSURE TEST ALL WATER PIPING SYSTEMS AT 150% OF NORMAL WORKING PRESSURE.
4. ALL COPPER PRESSURE PIPE SHALL BE SOLDERED ENTIRELY WITH LEAD-FREE SOLDER.
5. INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.
6. ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEVING ARCH, OR A PIPE SLEEVE. SLEEVE SHALL BE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.
7. LOCATIONS OF EXISTING BELOW GRADE OR CONCEALED UTILITIES ARE BASED ON REFERENCE MATERIALS PROVIDED TO THE ENGINEER AND HAVE NOT BEEN VERIFIED. CONTRACTOR SHALL LOCATE CONCEALED ELEMENTS AND NOTIFY ENGINEER IF VARIANCES BETWEEN THESE DOCUMENTS AND ACTUAL FIELD CONDITIONS EXIST AND MAY MATERIALLY AFFECT THE DESIGN INTENT.

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. ASHRAE
   a. STANDARD 55 — THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017
   b. STANDARD 62.1 — VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019
   c. STANDARD 90.1 — ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
2. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).
3. NATIONAL FIRE CODES
   a. NFPA 1 — FIRE CODE - 2021 (FLORIDA EDITION)
   b. NFPA 30 — FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE - 2021
   c. NFPA 30A — CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES - 2021
   d. NFPA 31 — STANDARDS FOR OIL BURNING EQUIPMENT - 2020
   e. NFPA 52 — VEHICULAR GASEOUS FUEL SYSTEMS CODE - 2019
   f. NFPA 54 — NATIONAL FUEL GAS CODE - 2021
   g. NFPA 58 — LIQUIFIED PETROLEUM GAS CODE - 2020
   h. NFPA 70 — NATIONAL ELECTRICAL CODE - 2020
   i. NFPA 101 — LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
   j. NFPA 704 — STANDARD SYSTEM FOR THE IDENTIFICATION OF THE HAZARDS OF MATERIALS FOR EMERGENCY RESPONSE -2017
   k. NFPA 1221 — STANDARD FOR THE INSTALLATION, MAINTENANCE, AND USE OF EMERGENCY SERVICES COMMUNICATIONS SYSTEMS - 2020
4. FLORIDA BUILDING CODE, 2023 8th EDITION
   a. BUILDING CODE
   b. ENERGY CONSERVATION CODE
   c. MECHANICAL CODE
   d. PLUMBING CODE
   e. FUEL GAS CODE
   f. ACCESSIBILITY CODE
5. FLORIDA STATUTES
   a. CHAPTER 471 — ENGINEERING
   b. CHAPTER 533.80 — BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
6. FLORIDA ADMINISTRATIVE CODE
   a. CHAPTER 9B-7 — FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS
   b. CHAPTER 61G15-34 — RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
   c. CHAPTER 69A-3 — FIRE PREVENTION - GENERAL PROVISIONS
   d. CHAPTER 69A-60 — THE FLORIDA FIRE PREVENTION CODE

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.

THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

PIPING AND FITTINGS

—I	CAP
—o	ELBOW TURNED UP
—o	ELBOW TURNED DOWN
—o—	TEE, OUTLET UP
—o—	TEE, OUTLET DOWN
———	NEW PIPE
———G———	GAS PIPING

VALVES

	BALL VALVE (WITH QUARTER TURN HANDLE)
	PLUG VALVE
	SOLENOID VALVE
VALVE ACTUATORS:	
	QUARTER TURN LEVER

MEASUREMENTS AND CONTROLS

Ⓡ	GAS REGULATOR
Ⓜ	METER (WATER OR GAS)

MISCELLANEOUS

	POINT OF CONNECTION, NEW TO EXISTING
	POINT OF CONNECTION, PLUMBING TO CIVIL

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
2. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
6. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8. COORDINATE AND SEQUENCE CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
16. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL BE TO STRUCTURAL SYSTEMS ONLY.
17. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
18. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
19. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
20. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.

GAS FUEL NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE, FLORIDA FUEL GAS CODE, AND LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. TEST, INSPECT, AND PURGE NATURAL GAS PIPING ACCORDING TO NFPA 54 AND AUTHORITIES HAVING JURIDICTION.
3. INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.
4. GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE STARTED AT HIGHEST POINT POSSIBLE.
5. PAINT GAS PIPING EXPOSED TO VIEW YELLOW.

ABBREVIATIONS

AC	ABOVE CEILING
AF	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
AHAP	AS HIGH AS POSSIBLE
BF	BELOW FLOOR
BG	BELOW GRADE
DN	DOWN
IE	INVERT ELEVATION
N/A	NOT APPLICABLE
NIS	NOT IN SCOPE
TYP	TYPICAL

DRAWING INDEX

FG001	GENERAL NOTES & LEGENDS
FG100	SITE PLAN
FG101	THREE BAY FLOOR PLAN - BUILDING A
FG102	THREE BAY FLOOR PLAN - BUILDING B
FG103	TWO BAY FLOOR PLAN - BUILDING C
FG201	THREE BAY ROOF PLAN - BUILDING A
FG202	THREE BAY ROOF PLAN - BUILDING B
FG203	TWO BAY ROOF PLAN - BUILDING C
FG301	RISER DIAGRAMS
FG302	RISER DIAGRAMS
FG501	DETAILS

No.	REVISIONS	DATE	BY

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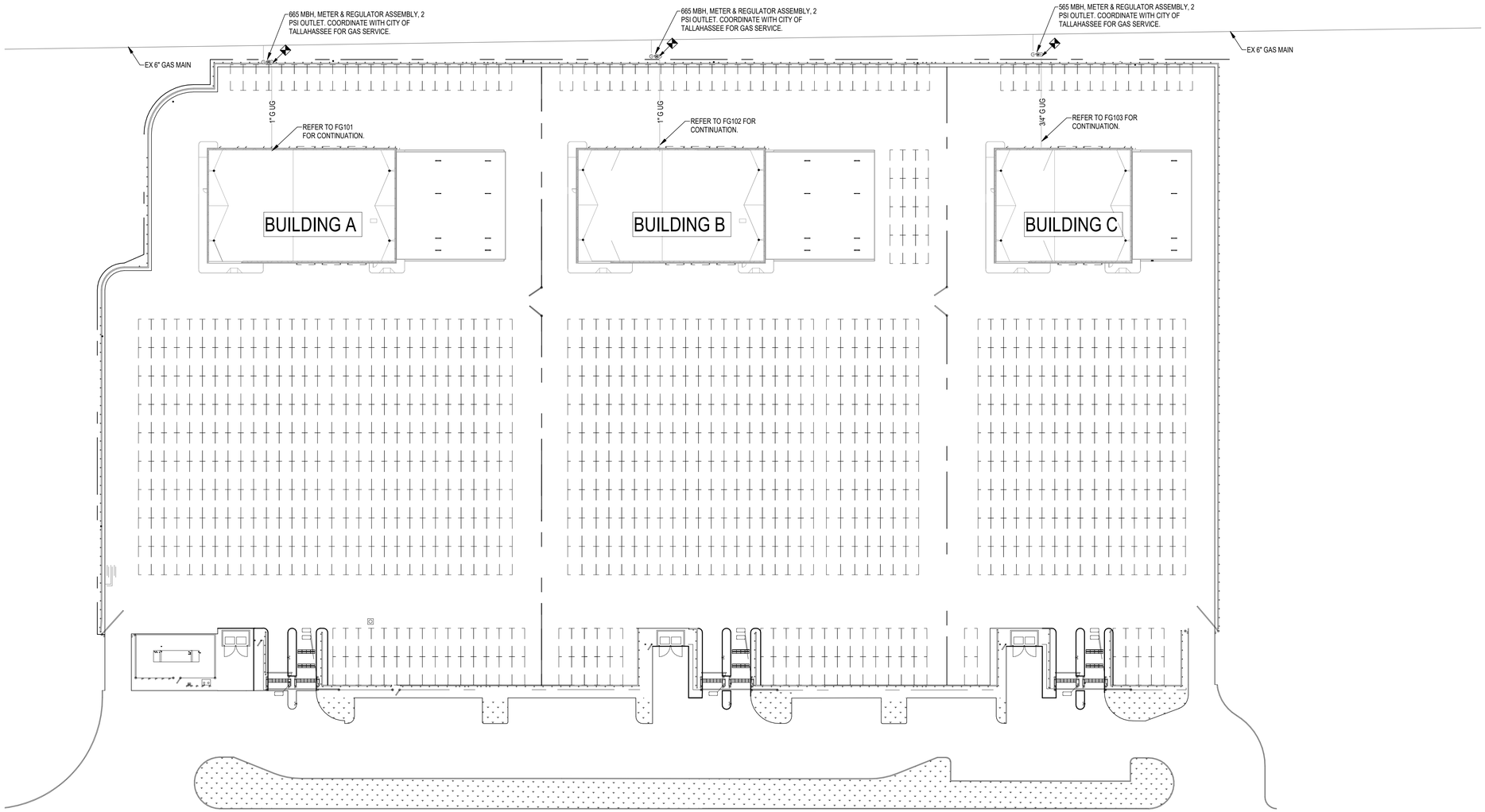
PROJECT NUMBER	144124059
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1/8" = 1'-0"	
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GENERAL NOTES & LEGENDS

QUICK - TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE
FLORIDA

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1 1" = 40'-0" **FUEL GAS SITE PLAN**

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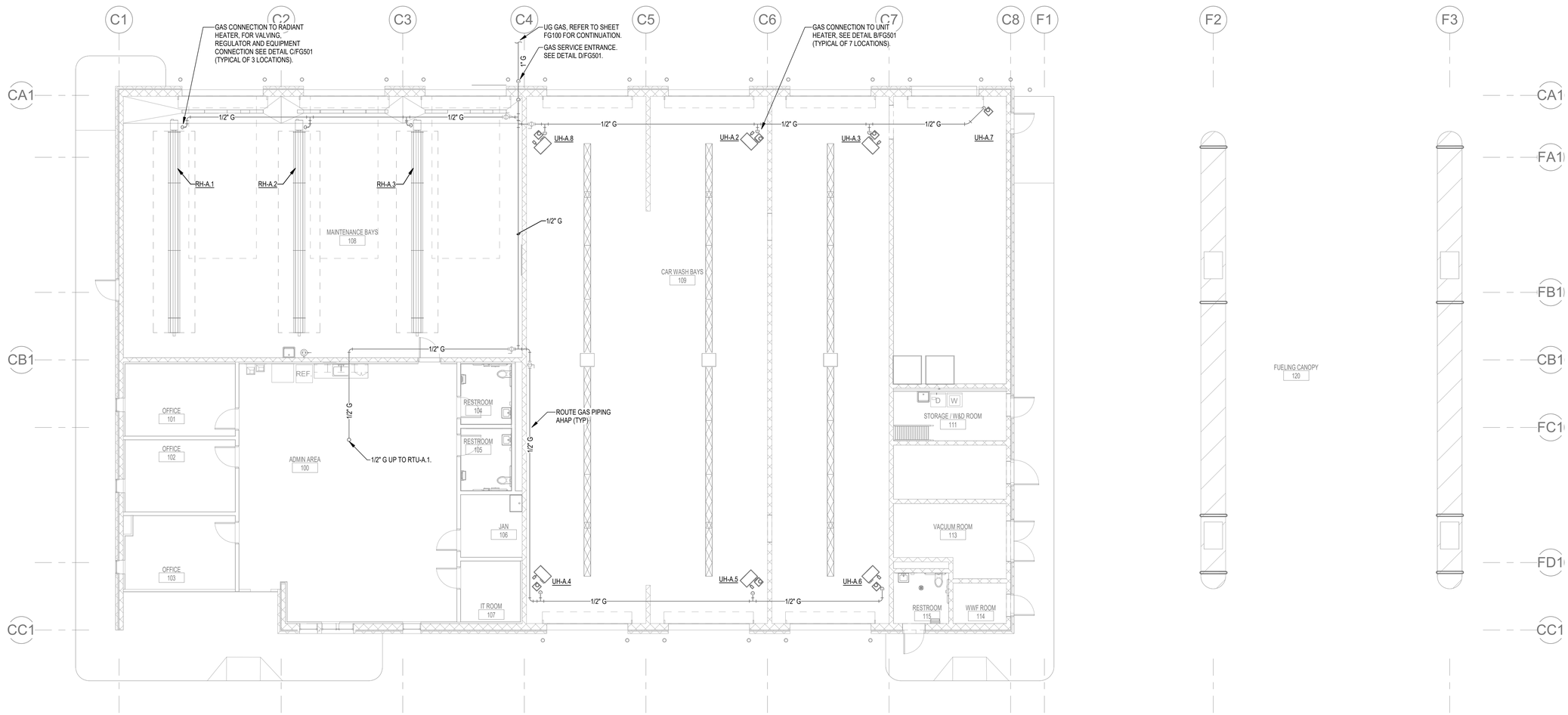
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SITE PLAN

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1 1/8" = 1'-0" **FUEL GAS FLOOR PLAN - BUILDING A**

BUILDING A BUILDING B BUILDING C

SITE KEY

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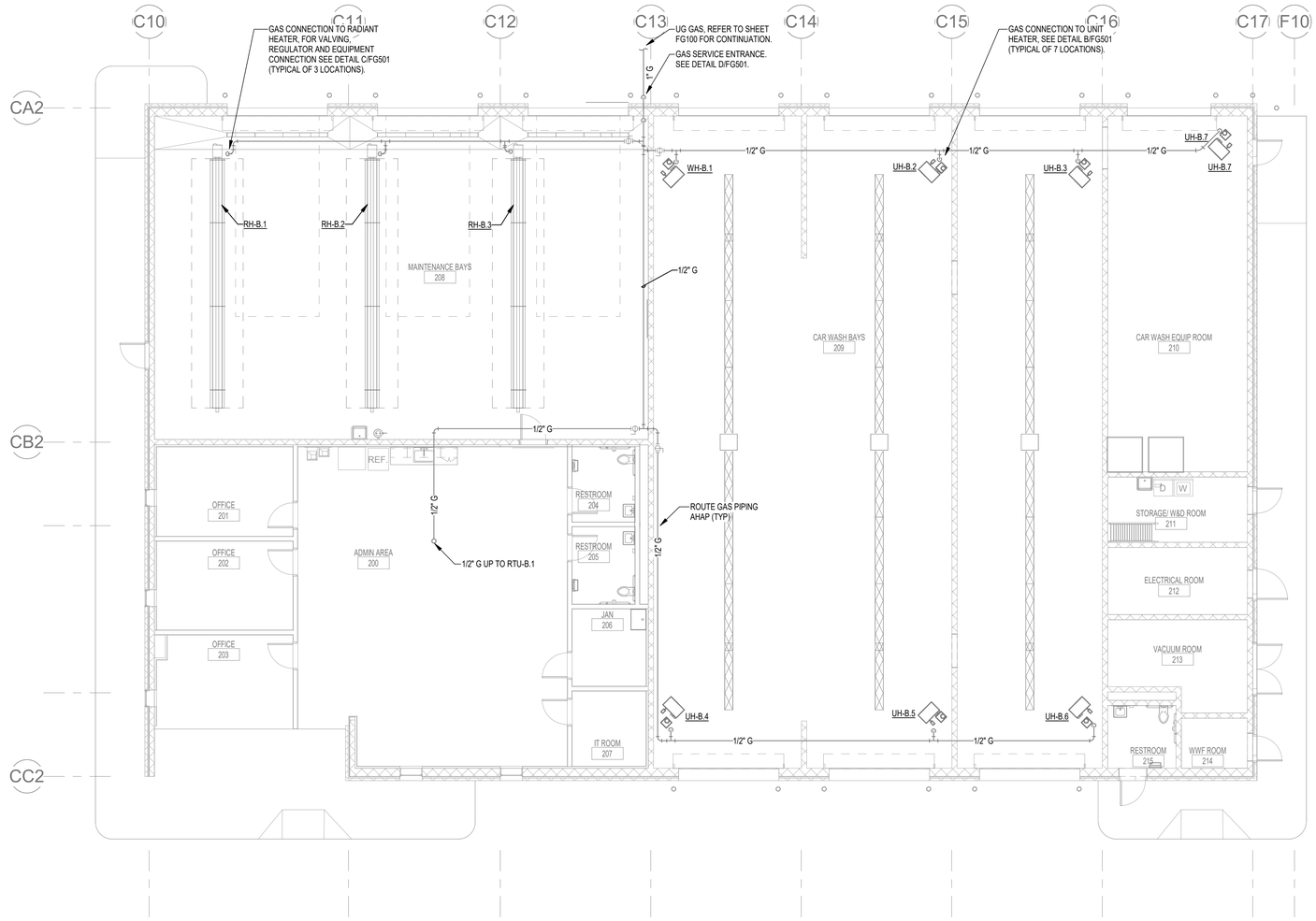
THREE BAY FLOOR PLAN - BUILDING A

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1 1/8" = 1'-0" **FUEL GAS FLOOR PLAN - BUILDING B**

BUILDING A BUILDING B BUILDING C

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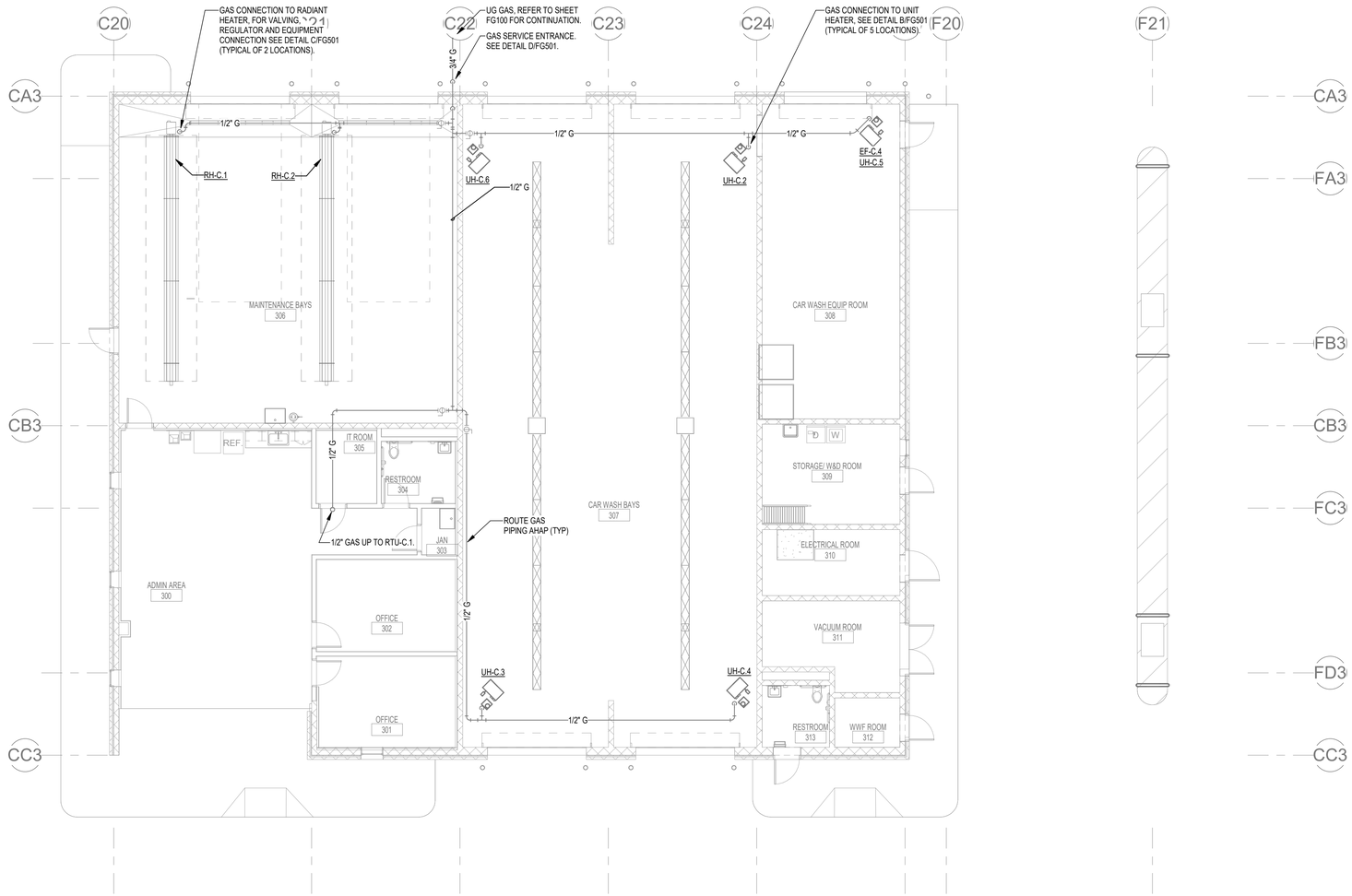
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THREE BAY FLOOR PLAN - BUILDING B

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BUILDING A BUILDING B BUILDING C

SITE KEY

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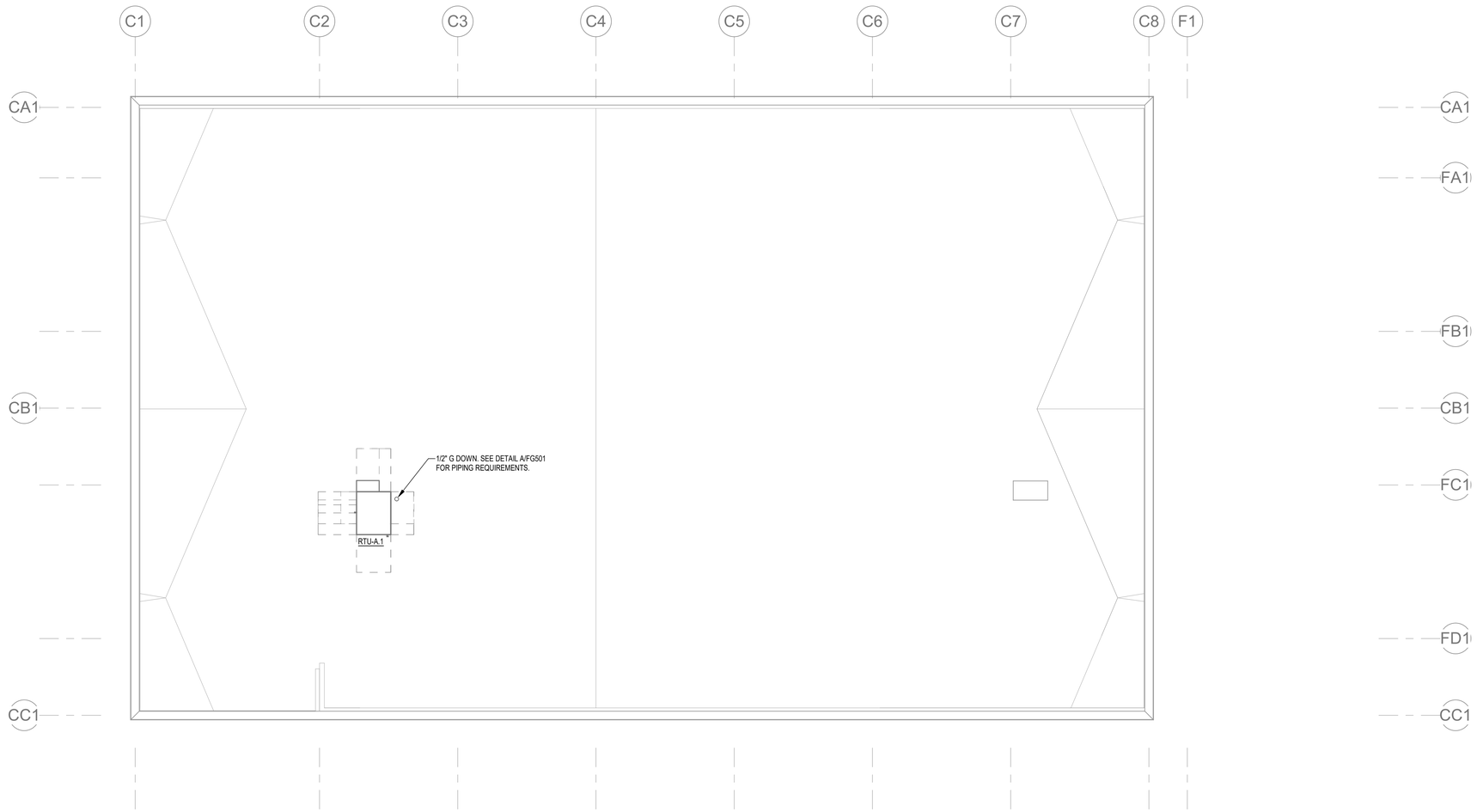
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1 1/8" = 1'-0" **FUEL GAS ROOF PLAN - BUILDING A**

BUILDING A BUILDING B BUILDING C

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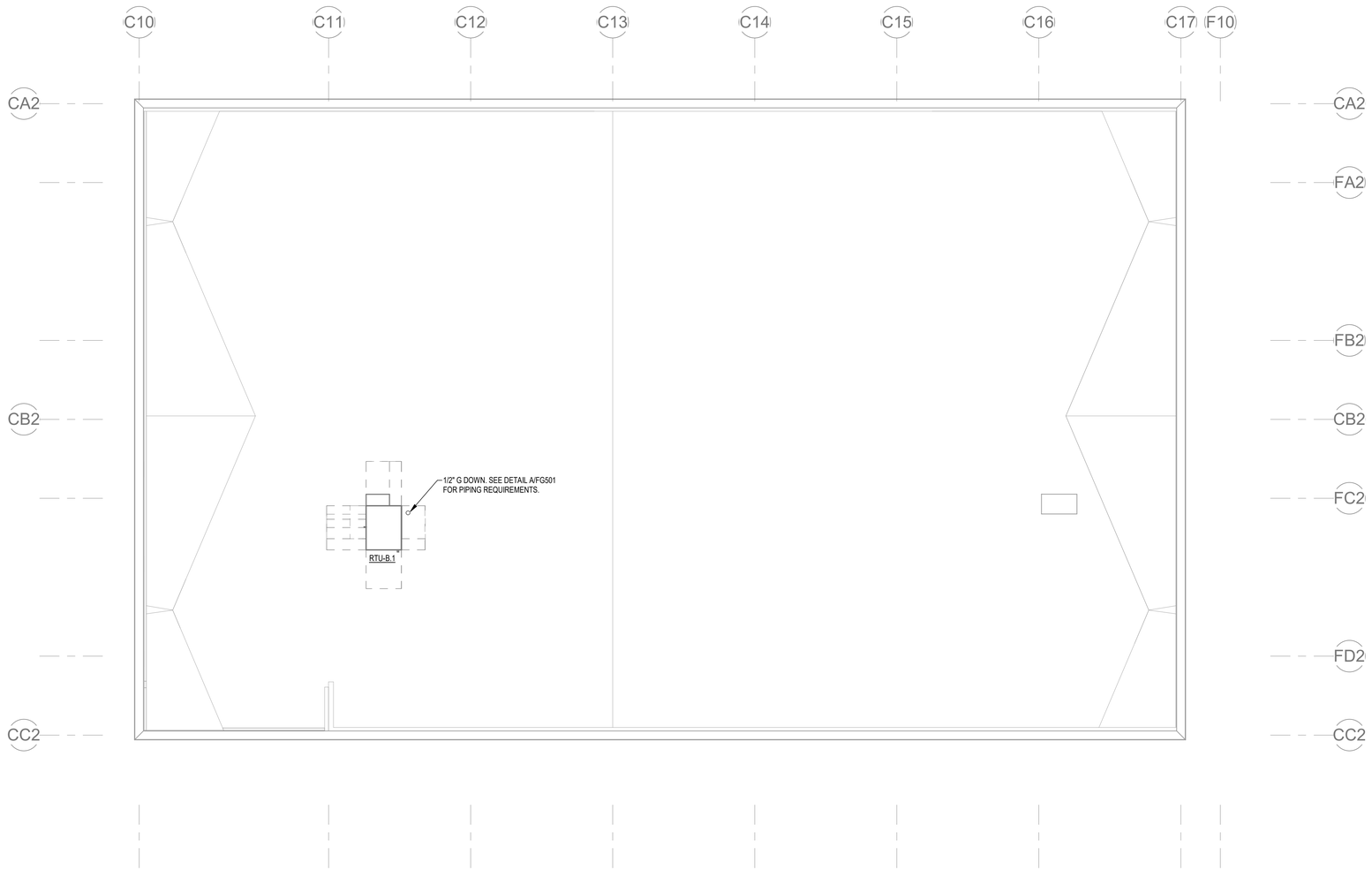
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THREE BAY ROOF PLAN - BUILDING A

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1 1/8" = 1'-0" **FUEL GAS ROOF PLAN - BUILDING B**

BUILDING A BUILDING B BUILDING C

SITE KEY

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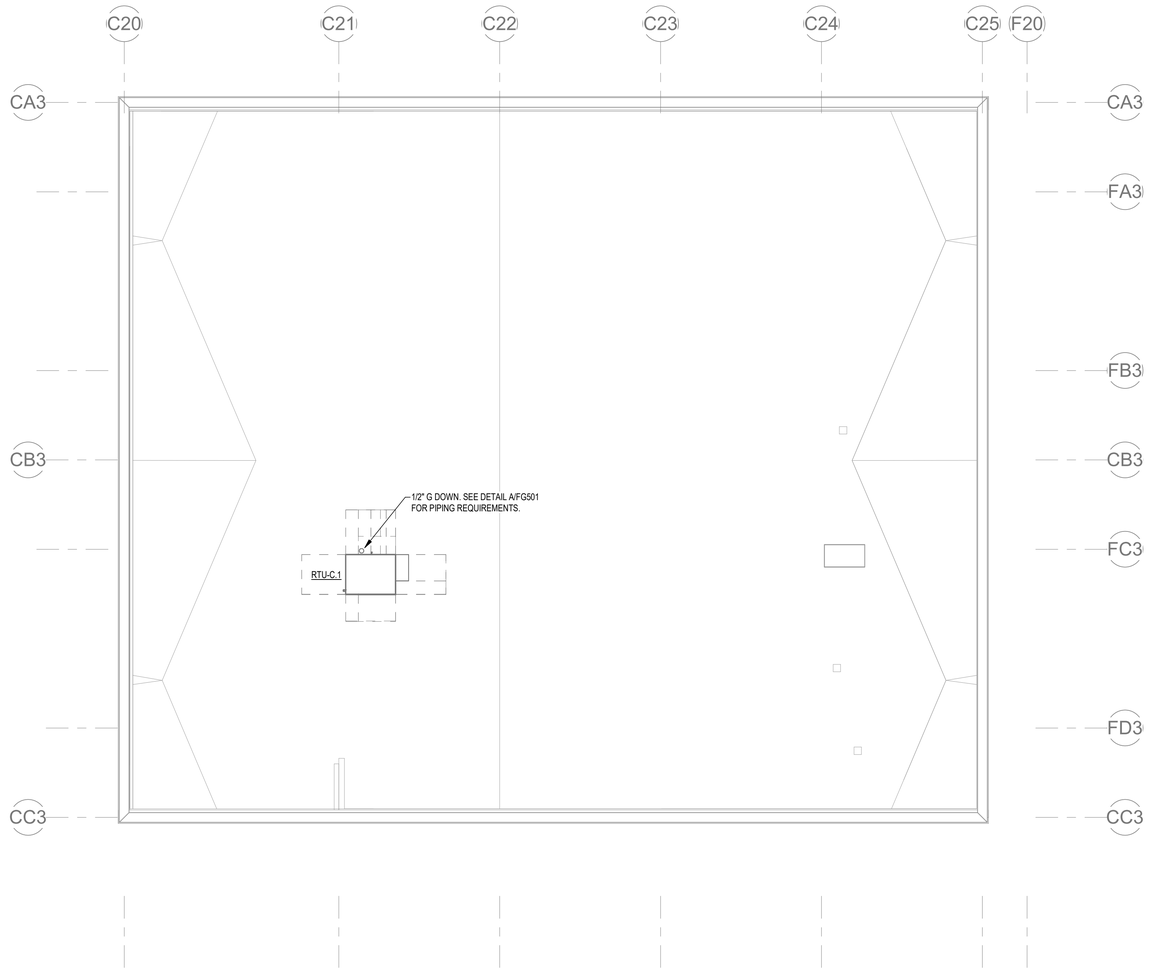
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1 1/8" = 1'-0" **FUEL GAS ROOF PLAN - BUILDING C**

BUILDING A BUILDING B BUILDING C

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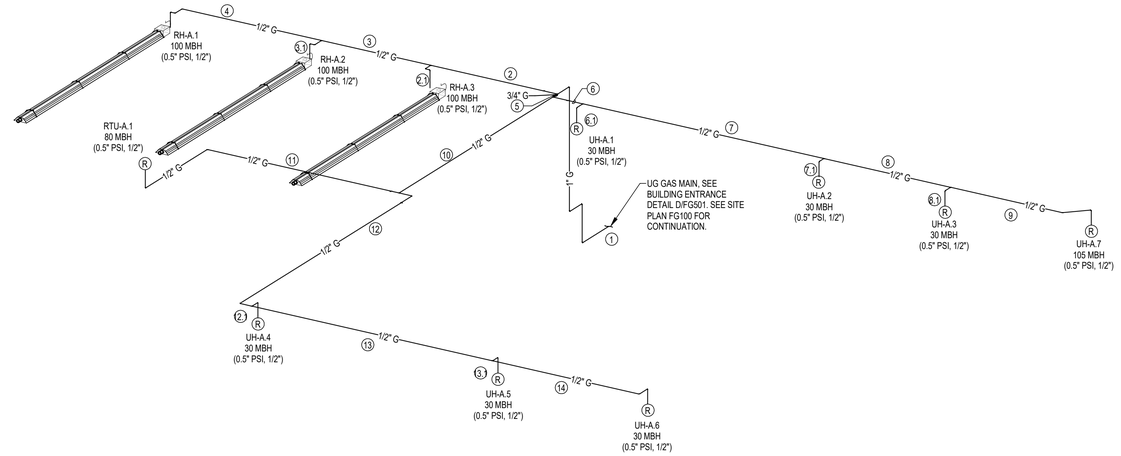
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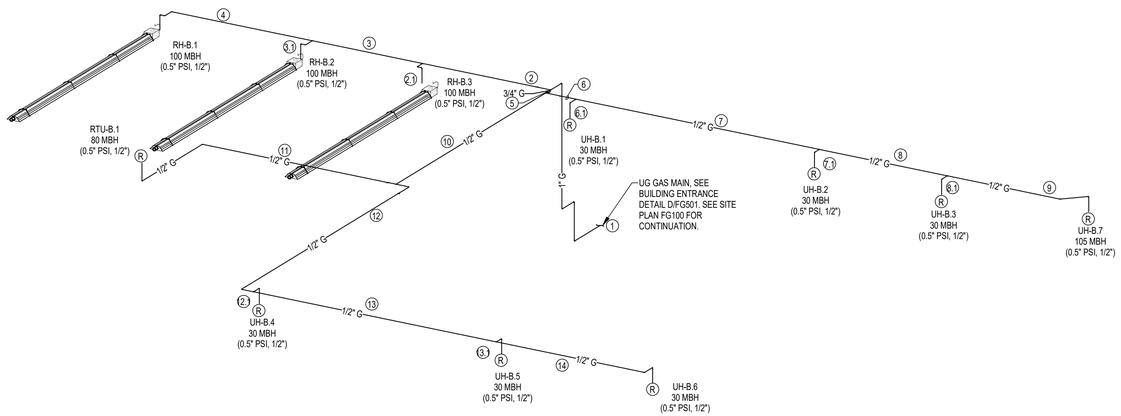


1 GAS RISER - BUILDING A

GAS PIPE SCHEDULE - BUILDING A

PIPE SECTION	FUEL GAS TYPE	PIPE MATERIAL	CAPACITY (MBH)	DESIGN PRESSURE	EQUIPMENT	PIPE LENGTH (FT)	EQUIV. LENGTH FOR FITTINGS (FT)	TOTAL LENGTH (FT)	PIPE SIZE (IN)
1	NATURAL GAS	STEEL (SCH 40)	665	2 PSI	RTU, RHs & UHs	32	10	42	1
2	NATURAL GAS	STEEL (SCH 40)	300	2 PSI	RH-A.1, .2, .3	17	20	37	1/2
2.1	NATURAL GAS	STEEL (SCH 40)	100	2 PSI	RH-A.3	4	6	10	1/2
3	NATURAL GAS	STEEL (SCH 40)	200	2 PSI	RH-A.1, .2	14	3	17	1/2
3.1	NATURAL GAS	STEEL (SCH 40)	100	2 PSI	RH-A.2	4	6	10	1/2
4	NATURAL GAS	STEEL (SCH 40)	100	2 PSI	RH-A.1	22	8	30	1/2
5	NATURAL GAS	STEEL (SCH 40)	365	2 PSI	RTU & UHs	1	0	1	3/4
6	NATURAL GAS	STEEL (SCH 40)	195	2 PSI	UHs	4	20	24	1/2
6.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-A.8	4	5	9	1/2
7	NATURAL GAS	STEEL (SCH 40)	165	2 PSI	UH-A.2, .3. .7	31	0	31	1/2
7.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-A.2	4	5	9	1/2
8	NATURAL GAS	STEEL (SCH 40)	135	2 PSI	UH-A.3, .7	16	0	16	1/2
8.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-A.3	4	5	9	1/2
9	NATURAL GAS	STEEL (SCH 40)	105	2 PSI	UH-A.7	20	3	23	1/2
10	NATURAL GAS	STEEL (SCH 40)	170	2 PSI	RTU & UHs	33	0	33	1/2
11	NATURAL GAS	STEEL (SCH 40)	80	2 PSI	RTU-A.1	40	24	64	1/2
12	NATURAL GAS	STEEL (SCH 40)	90	2 PSI	UH-A.4, .5, .6	41	24	65	1/2
12.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-A.4	4	5	9	1/2
13	NATURAL GAS	STEEL (SCH 40)	60	2 PSI	UH-A.5, .6	31	0	31	1/2
13.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-A.5	4	5	9	1/2
14	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-A.6	24	3	27	1/2

NOTES:
1 GAS PIPING SIZED USING LONGEST LENGTH METHOD (200 FT.) FROM POINT OF DELIVERY TO EITHER REGULATOR OR APPLIANCE. SEE FLORIDA BUILDING CODE - FUEL GAS TABLES: 402.4(5)FALSE



3 GAS RISER - BUILDING B

GAS PIPE SCHEDULE - BUILDING B

PIPE SECTION	FUEL GAS TYPE	PIPE MATERIAL	CAPACITY (MBH)	DESIGN PRESSURE	EQUIPMENT	PIPE LENGTH (FT)	EQUIV. LENGTH FOR FITTINGS (FT)	TOTAL LENGTH (FT)	PIPE SIZE (IN)
1	NATURAL GAS	STEEL (SCH 40)	665	2 PSI	RTU, RHs & UHs	32	10	42	1
2	NATURAL GAS	STEEL (SCH 40)	300	2 PSI	RH-B.1, .2, .3	17	20	37	1/2
2.1	NATURAL GAS	STEEL (SCH 40)	100	2 PSI	RH-B.3	4	6	10	1/2
3	NATURAL GAS	STEEL (SCH 40)	200	2 PSI	RH-B.1, .2	14	3	17	1/2
3.1	NATURAL GAS	STEEL (SCH 40)	100	2 PSI	RH-B.2	4	6	10	1/2
4	NATURAL GAS	STEEL (SCH 40)	100	2 PSI	RH-B.1	22	8	30	1/2
5	NATURAL GAS	STEEL (SCH 40)	365	2 PSI	RTU & UHs	1	0	1	3/4
6	NATURAL GAS	STEEL (SCH 40)	195	2 PSI	UHs	4	20	24	1/2
6.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-B.8	4	5	9	1/2
7	NATURAL GAS	STEEL (SCH 40)	165	2 PSI	UH-B.2, .3. .7	31	0	31	1/2
7.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-B.2	4	5	9	1/2
8	NATURAL GAS	STEEL (SCH 40)	135	2 PSI	UH-B.3, .7	16	0	16	1/2
8.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-B.3	4	5	9	1/2
9	NATURAL GAS	STEEL (SCH 40)	105	2 PSI	UH-B.7	20	3	23	1/2
10	NATURAL GAS	STEEL (SCH 40)	170	2 PSI	RTU & UHs	33	0	33	1/2
11	NATURAL GAS	STEEL (SCH 40)	80	2 PSI	RTU-B.1	40	24	64	1/2
12	NATURAL GAS	STEEL (SCH 40)	90	2 PSI	UH-B.4, .5, .6	41	24	65	1/2
12.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-B.4	4	5	9	1/2
13	NATURAL GAS	STEEL (SCH 40)	60	2 PSI	UH-B.5, .6	31	0	31	1/2
13.1	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-B.5	4	5	9	1/2
14	NATURAL GAS	STEEL (SCH 40)	30	2 PSI	UH-B.6	24	3	27	1/2

NOTES:
1 GAS PIPING SIZED USING LONGEST LENGTH METHOD (200 FT.) FROM POINT OF DELIVERY TO EITHER REGULATOR OR APPLIANCE. SEE FLORIDA BUILDING CODE - FUEL GAS TABLES: 402.4(5)FALSE

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FL LICENSE NUMBER
#73938

PROJECT NUMBER	144124059
DATE	01/17/2025
	1/8" = 1'-0"
DESIGNED BY	SPD
DRAWN BY	SPD
CHECKED BY	RDR

RISER DIAGRAMS

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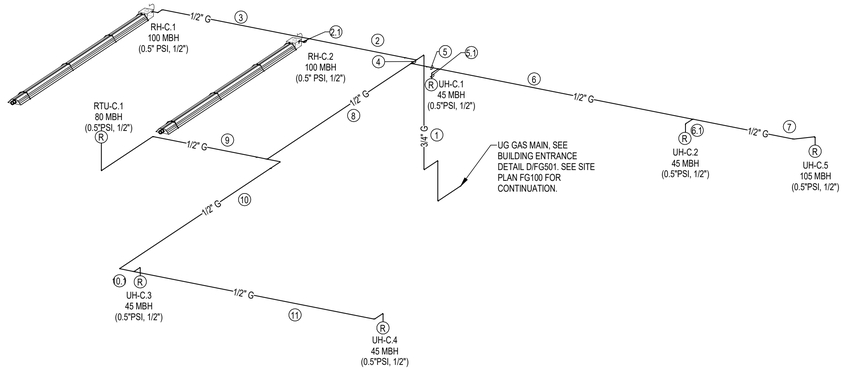
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GAS PIPE SCHEDULE - BUILDING C

PIPE SECTION	FUEL GAS TYPE	PIPE MATERIAL	CAPACITY (MBH)	DESIGN PRESSURE	EQUIPMENT	PIPE LENGTH (FT)	EQUIV. LENGTH FOR FITTINGS (FT)	TOTAL LENGTH (FT)	PIPE SIZE (IN)
1	NATURAL GAS	STEEL (SCH 40)	565	2 PSI	RTU, RHs & UHs	32	8	40	3/4
2	NATURAL GAS	STEEL (SCH 40)	200	2 PSI	RH-C.1, .2	13	20	33	1/2
2.1	NATURAL GAS	STEEL (SCH 40)	4	2 PSI	RH-C.2	4	6	10	1/2
3	NATURAL GAS	STEEL (SCH 40)	100	2 PSI	RH-C.1	22	3	25	1/2
4	NATURAL GAS	STEEL (SCH 40)	365	2 PSI	RTU & UHs	1	0	1	3/4
5	NATURAL GAS	STEEL (SCH 40)	195	2 PSI	UH-C.1, .2, .5	3	20	23	1/2
5.1	NATURAL GAS	STEEL (SCH 40)	45	2 PSI	UH-C.1	4	5	9	1/2
6	NATURAL GAS	STEEL (SCH 40)	150	2 PSI	UH-C.2, .5	32	0	32	1/2
6.1	NATURAL GAS	STEEL (SCH 40)	45	2 PSI	UH-C.2	4	5	9	1/2
7	NATURAL GAS	STEEL (SCH 40)	105	2 PSI	UH-C.5	16	3	19	1/2
8	NATURAL GAS	STEEL (SCH 40)	170	2 PSI	RTU & UHs	34	24	58	1/2
9	NATURAL GAS	STEEL (SCH 40)	80	2 PSI	RTU-C.1	30	24	54	1/2
10	NATURAL GAS	STEEL (SCH 40)	90	2 PSI	UH-C.3, .4	41	5	46	1/2
10.1	NATURAL GAS	STEEL (SCH 40)	45	2 PSI	UH-C.3	4	0	4	1/2
11	NATURAL GAS	STEEL (SCH 40)	45	2 PSI	UH-C.4	35	3	38	1/2

NOTES:

1 GAS PIPING SIZED USING LONGEST LENGTH METHOD (185 FT.) FROM POINT OF DELIVERY TO EITHER REGULATOR OR APPLIANCE.
SEE FLORIDA BUILDING CODE - FUEL GAS TABLES: 402.4(5)FALSE



1 GAS RISER - BUILDING C

No.	REVISIONS	DATE	BY

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(850) 222-7437
www.H2Engineering.com

LICENSED PROFESSIONAL

Scott T. Craig Jr., P.E.

FL LICENSE NUMBER
#73938

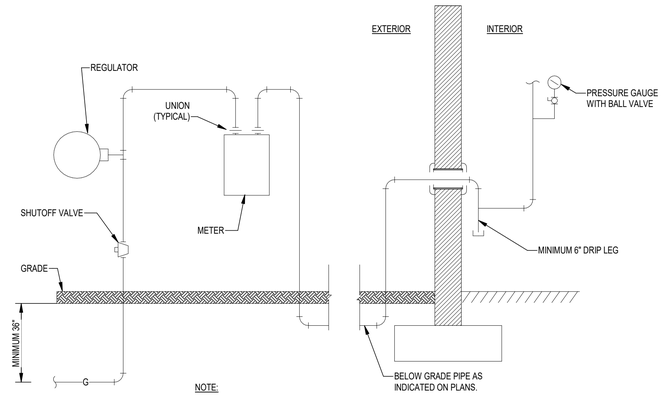
PROJECT NUMBER	144124059
DATE	01/17/2025
	1/8" = 1'-0"
DESIGNED BY	SPD
DRAWN BY	SPD
CHECKED BY	RDR

RISER DIAGRAMS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
FG302

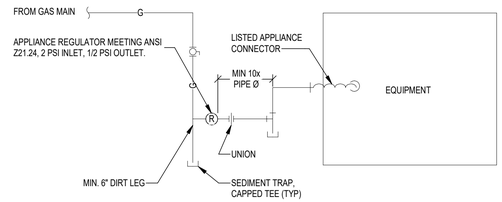
1/6/2026 11:09:16 AM Autodesk Docs://TLH-IOTA Building/TLH-IOTA Building_MEP-HSE_2024.rvt
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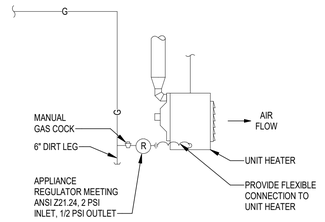
NOTE:

1. ADEQUATELY SUPPORT METER AND REGULATOR FROM GRADE.
2. WHERE SUBJECT TO DAMAGE, PROVIDE BOLLARDS OR OTHER ACCEPTABLE MEANS OF PROTECTION.

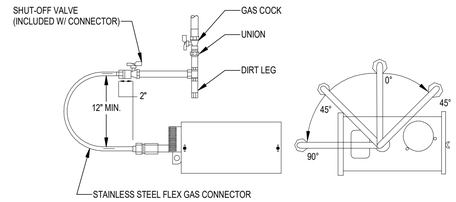
D **GAS SERVICE ENTRANCE - BY CITY OF TALLAHASSEE**



A **RTU GAS CONNECTION**



B **GAS FIRED UNIT HEATER CONNECTION**



NOTES:

1. GAS PIPE WORK MUST BE INSTALLED AND TESTED IN ACCORDANCE WITH UNITED STATES ANSI Z 223.1/NFPA 54 LATEST ADDITION.
2. INSTALL THE STAINLESS STEEL FLEX GAS CONNECTOR AS SHOWN. THE FLEX GAS CONNECTOR ACCOMMODATES EXPANSION ON THE HEATING SYSTEM AND ALLOWS FOR EASY INSTALLATION AND SERVICE OF THE BURNER. ROBERTS GORDON P/N 91412200.
3. SHUT OFF VALVE MUST BE PARALLEL TO BURNER INLET. THE 2" DISPLACEMENT SHOWN IS FOR THE COLD CONDITION. THIS DISPLACEMENT MAY REDUCE WHEN THE SYSTEM IS FIRED.

C **GAS FIRED RADIANT TUBE HEATER CONNECTION**

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PROJECT NUMBER	144124059
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	1/8" = 1'-0"
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DETAILS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
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SHEET NUMBER
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EXISTING 2" COMM CONDUIT TO CONTROL CABINET

EXISTING 1" COMM CONDUIT TO RAC

EXISTING 2" COMM CONDUIT TO CONTROL CABINET

EXISTING 1" COMM CONDUIT TO RAC

EXISTING 1" COMM CONDUIT TO RAC

BUILDING A

TO IT ROOM 107 (2) (7)

EXISTING 1" COMM CONDUIT TO RAC

TO ELEC ROOM 112 (1)

EXISTING 2" COMM CONDUIT TO CONTROL CABINET

EXISTING 2" COMM CONDUIT TO CONTROL CABINET

EXISTING 1" COMM CONDUIT TO REMOTE SWITCH PANEL

EXISTING 3/4" COMM CONDUIT TO RAC

BUILDING B

TO IT ROOM 207 (2) (7)

EXISTING 3/4" COMM CONDUIT TO RAC

TO ELEC ROOM 212 (1)

EXISTING 1" COMM CONDUIT TO REMOTE SWITCH PANEL

EXISTING 2" COMM CONDUIT TO CONTROL CABINET

EXISTING 2" COMM CONDUIT TO CONTROL CABINET

MATCHLINE, SEE SHEET T002

1 T103

1 T103A

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SECURITY NOTES:

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NEC AND MEET ALL ADDITIONAL REQUIREMENTS OF THE GOVERNING AHJ.
2. ALL ELECTRICAL CONDUIT AND CABLE ROUTES SHOWN ARE GRAPHICALLY AND DO NOT REPRESENT THE EXACT ROUTE AND LOCATION OF TERMINATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDUIT LOCATIONS AND NEW CABLE ROUTES PRIOR TO INSTALLING. CONTRACTOR IS TO INSTALL PULLBOXES AS REQUIRED.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR COORDINATION WITH FUTURE UTILITIES.
4. ALL CONDUIT AND CABLE SHALL BE LABELED ON BOTH ENDS. JUNCTION BOXES SHALL BE LABELED ACCORDINGLY.
5. ALL DEVICES ARE TO BE INSTALLED TO COMPLY WITH ADA GUIDELINES.
6. ALL MATERIAL SHALL BE UL LISTED AND SHALL BE INSTALLED AS REQUIRED BY THE NEC.
7. CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS PER MANUFACTURER RECOMMENDATIONS.
8. ALL RAC BUILDING SECURITY EQUIPMENT SHALL BE BEST-COMPATIBLE HARDWARE.

KEY NOTES:

(1) CONTRACTOR SHALL EXTEND EXISTING CONDUIT TO ELECTRICAL ROOM AND INSTALL NEW CABLE IN EXISTING CONDUIT. RAC ACCESS CONTROL TO BE LOCATED IN BUILDING AND TO BE INSTALLED BY OTHERS.

(2) CONTRACTOR SHALL EXTEND EXISTING CONDUIT TO IT ROOM IN EXACT LOCATION AS REQUIRED BY OWNER.

(3) QUAD (AXIS Q6010-E) W/PTZ (AXIS Q6075-E) CCTV CAMERA. SECURITY CAMERA SHALL BE MOUNTED AT 15FT MOUNTING HEIGHT ON LIGHT POLE. PROVIDE CAMERA LICENSE FOR EACH CCTV. EACH CCTV LOCATION SHALL INCLUDE A NEMA 4X LOCKABLE STAINLESS STEEL ENCLOSURE CONTAINING THE FOLLOWING CCTV EQUIPMENT: FIBER TO ETHERNET MIDSPAN CONVERTER, POWER CONNECTION, SURGE PROTECTION, AND FIBER TERMINATION BOX WITH SERVICEABLE LOOP. CONTRACTOR TO CONNECT EXISTING STUBBED UP 2" CONDUIT TO NEW LIGHT POLE.

(4) 24 PAIR SINGLE MODE FOC SHALL BE ROUTED TO FACILITIES MANAGEMENT BUILDING IN EXISTING 2" CONDUIT. TERMINATE COMMUNICATION FIBER TO 2 CISCO 3850 REDUNDANT DISTRIBUTION SWITCHES AS COORDINATED WITH TLH. END DEVICES SHALL NOT BE DIRECTLY CONNECTED TO CISCO 3850 SWITCHES.

(5) CISCO IE-4000-8GT8GP4G-E SWITCH TO BE HOUSED IN A NEMA 4X STAINLESS STEEL CONTROL CABINET. NUMBER OF PORTS TO BE CONFIRMED PRIOR TO CONSTRUCTION. POWER SUPPLY, CISCO DUAL POWER SUPPLY AND UPS SHALL BE PROVIDED FOR A FULLY FUNCTIONING SYSTEM. CONTRACTOR TO ROUTE 24 PAIR SINGLE MODE FOC IN 2" CONDUIT FROM CONTROL CABINET THROUGH TLH HANDHOLES BACK TO MAINTENANCE FACILITY SWITCHES. CONTRACTOR TO RUN 2#12, 1#12G IN 2" CONDUIT TO CLOSEST ELECTRICAL ROOM AND PROVIDE A 20A, 120V BREAKER ON AVAILABLE POWER PANEL.

(6) FUTURE RAC CCTV LOCATION. RAC TO INSTALL CAMERA AND COMMUNICATION CABLE FROM RAC BUILDING OR SWITCH PANEL TO CAMERA.

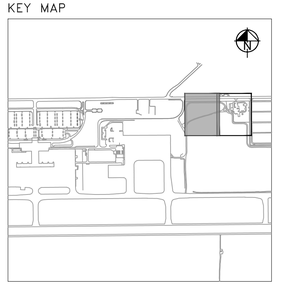
(7) EXTEND EXISTING STUBBED UP CONSUIT TO IT ROOM. COORDINATE EXACT LOCATION OF FUTURE CCTV CAMERA IN BUILDING WITH RAC.

(8) 6 STRAND SINGLE MODE FOC FROM ENCLOSURE CABINET TO CAMERA LOCATION 3. PROVIDE PULL STRING AND TRACER CABLE IN CONDUIT.

LEGEND:

- 3 FT X 3 FT HANDHOLE
- PROPOSED CCTV LOCATION AT 12FT MOUNT
- PROPOSED CARD READER LOCATION
- PROPOSED CONDUIT STUB-UP
- EXISTING CONDUIT
- EXISTING CONDUIT WITH NEW CABLE OR WIRE

KEY MAP



No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
DUSTIN JAMES COLWELL
FLORIDA LICENSE NUMBER 84554
DATE: ——

KHA PROJECT 144124117
DATE 04/16/2021
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

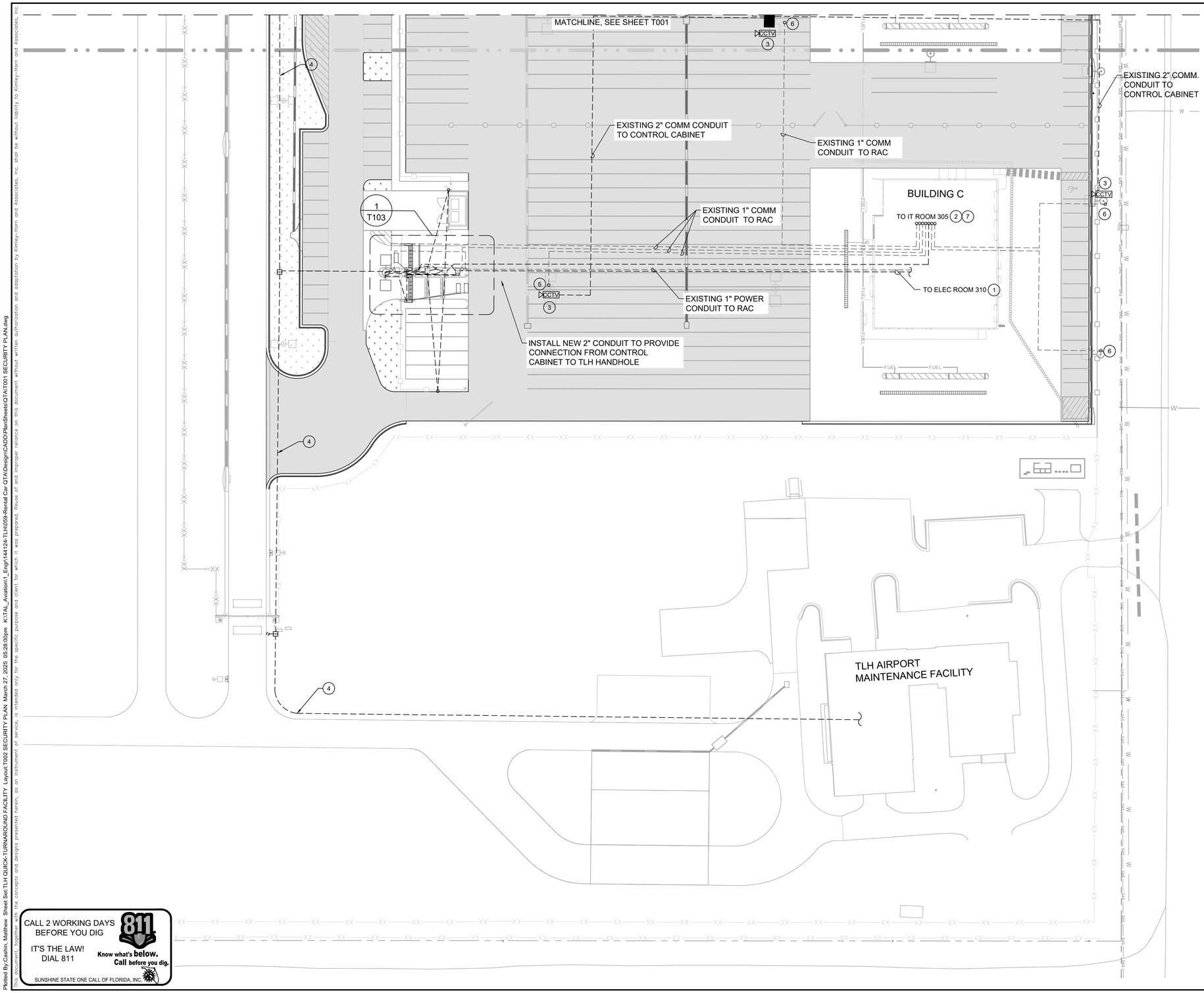
SECURITY PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
T001

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:T002 SECURITY PLAN March 27, 2025 05:28:00pm K:\TAL_Aviation\1_Engr\144124-TLH059-Rental Car QTA\Design\CADD\PlanSheets\QTAIT001 SECURITY PLAN.dwg

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SECURITY NOTES:

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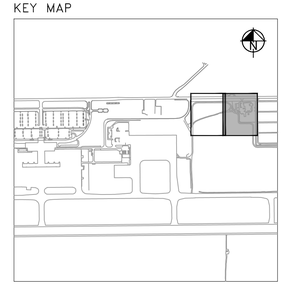
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LEGEND:

- 3 FT X 3 FT HANDHOLE
- PROPOSED CCTV LOCATION AT 12FT MOUNT
- PROPOSED CARD READER LOCATION
- PROPOSED CONDUIT STUB-UP
- UNDERGROUND CONDUIT

KEY MAP



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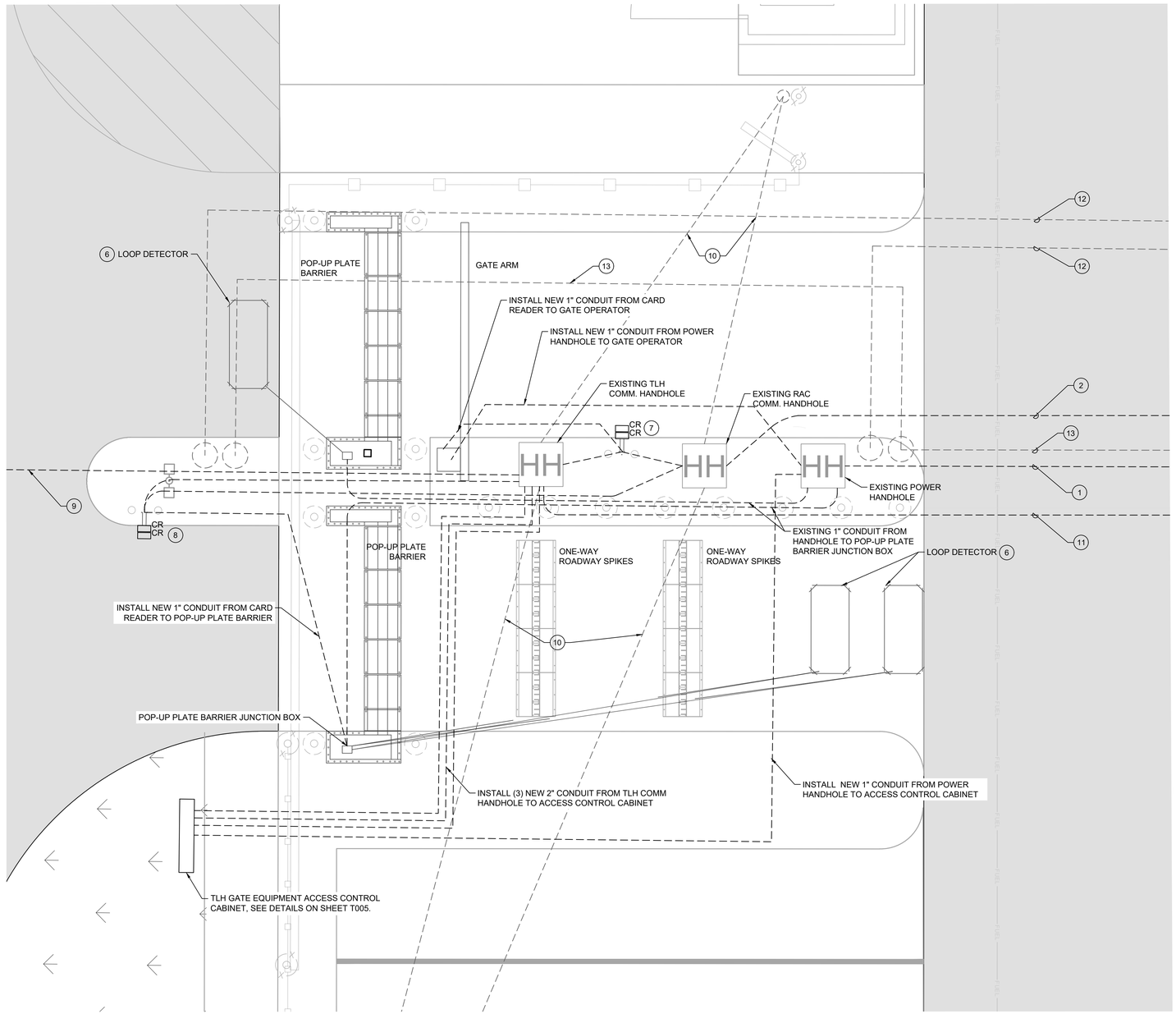
DATE: ——

KHA PROJECT	
144124117	
DATE	
04/16/2021	
SCALE	AS SHOWN
DESIGNED BY	SHB
DRAWN BY	TLB
CHECKED BY	CAC

SECURITY PLAN

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
T002



1 / T103 ENLARGED SECURITY GATE

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7. CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS PER MANUFACTURER RECOMMENDATIONS.

KEY NOTES:

(1) PROVIDE (2) 120V CIRCUITS FROM RESPECTIVE RENTAL COMPANY POWER PANEL VIA 30A-1P BREAKERS. PROVIDE (2) SETS OF 2#4, 1#8 GND IN EXISTING 2" CONDUIT FROM POWER PANEL TO CLEARLY MARKED HANDHOLE. PROVIDE 2#8, 1#8 GND IN EXISTING 1" CONDUIT FROM THE HANDHOLE TO THE FIELD DETERMINED LOCATION OF THE NEW PLATE BARRIERS FOR CONNECTION.

(2) EXISTING 2" CONDUIT FROM BETWEEN HANDHOLE AND RESPECTIVE RENTAL COMPANY IT ROOM. EXACT COMMUNICATION CABLE PROTOCOL TO BE COORDINATED PER MANUFACTURER REQUIREMENTS AND OWNER COMMUNICATIONS PROTOCOL.

(6) INSTALL LOOP DETECTORS AND EXTEND TO NEW PLATE BARRIER. EXACT ROUTING AND LOCATION SHALL BE DETERMINED PER MANUFACTURER RECOMMENDATIONS.

(7) PROVIDE A SEPARATE CARD READER FOR BOTH RENTAL COMPANY AND TLH AUTHORITY PER OWNER'S SPECIFICATIONS AT EXIT BARRIER. TLH AND RAC COMMUNICATION SHALL NOT HAVE A DIRECT CONNECTION AT ANY POINT.

(8) PROVIDE A SEPARATE CARD READER FOR BOTH RENTAL COMPANY AND TLH AUTHORITY PER OWNER'S SPECIFICATIONS AT ENTRANCE BARRIER. TLH AND RAC COMMUNICATION SHALL NOT HAVE A DIRECT CONNECTION AT ANY POINT.

(9) 24 PAIR SINGLE MODE FOC INSTALLED IN EXISTING 2" CONDUIT FROM TLH HANDHOLE TO BRANCH HANDHOLE AS SHOWN ON SHEET T002.

(10) EXISTING 2" CONDUIT FROM TLH AND RAC HANDHOLES TO GATED ACCESS LOCATIONS FOR FUTURE CARD READERS.

(11) 24 PAIR SINGLE MODE FOC INSTALLED IN EXISTING 2" CONDUIT FROM TLH HANDHOLE TO NEAREST COMMUNICATION CONTROL CABINET.

(12) EXISTING 1" COMM CONDUIT FROM RAC BUILDING IT ROOM TO FUTURE RAC CAMERA. RAC TO INSTALL CAMERA AND COMMUNICATION CABLE.

(13) EXISTING 1" EMPTY POWER CONDUIT ROUTED FROM RAC ELECTRICAL ROOM TO CCTV LOCATIONS FOR POWER. CONTRACTOR SHALL CONFIRM AVAILABLE SPACE IN EXISTING PANEL FOR FUTURE CCTV POWER.

LEGEND:

- HH — 3 FT X 3 FT HANDHOLE
- CCTV — PROPOSED CCTV LOCATION AT 12FT MOUNTING HEIGHT
- CR — PROPOSED CARD READER LOCATION
- PROPOSED CONDUIT STUB-UP
- UNDERGROUND CONDUIT

No.	REVISIONS	DATE	BY

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DATE:

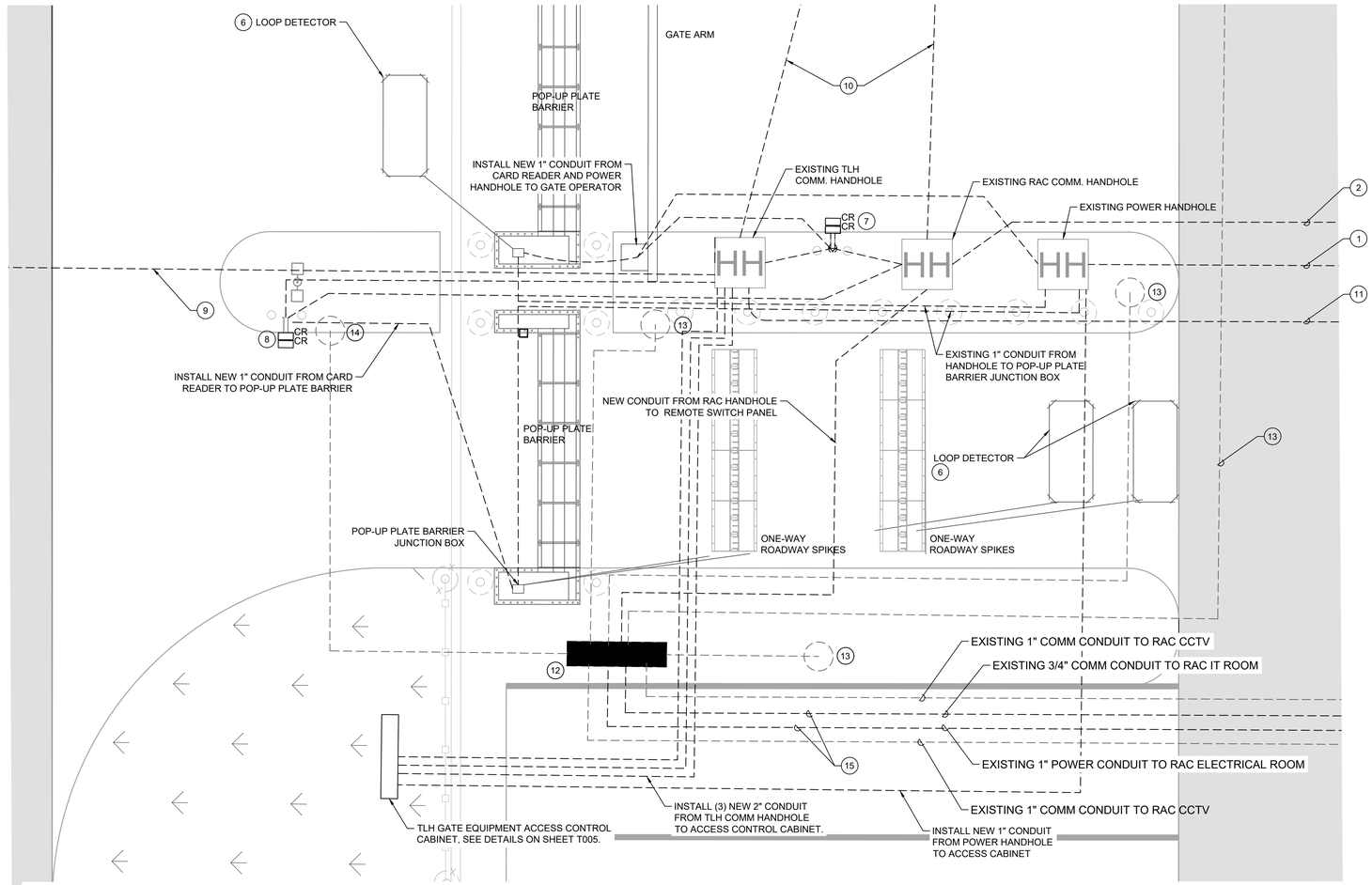
KHA PROJECT 144124117
DATE 04/16/2021
SCALE AS SHOWN
DESIGNED BY SHB
DRAWN BY TLB
CHECKED BY CAC

SECURITY PLAN DETAIL

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
T003

Plotted By:Cashin, Matthew Sheet Set:TLH QUICK-TURNAROUND FACILITY Layout:T003 SECURITY PLAN DETAIL March 27, 2025 05:28:05pm K:\TAL_Aviation\1_Engr\144124-TLH059-Rental Car QTA\Design\CADD\PlanSheets\QTA\T001 SECURITY PLAN.dwg
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1 T103A RAC B SECURITY CAMERA CONDUIT DETAIL

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SECURITY NOTES:

1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NEC AND MEET ALL ADDITIONAL REQUIREMENTS OF THE GOVERNING AHJ.
2. ALL ELECTRICAL CONDUIT AND CABLE ROUTES SHOWN ARE GRAPHICALLY AND DO NOT REPRESENT THE EXACT ROUTE AND LOCATION OF TERMINATIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDUIT LOCATIONS AND NEW CABLE ROUTES PRIOR TO INSTALLING. CONTRACTOR IS TO INSTALL PULLBOXES AS REQUIRED.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR COORDINATION WITH FUTURE UTILITIES.
4. ALL CONDUIT AND CABLE SHALL BE LABELED ON BOTH ENDS. JUNCTION BOXES SHALL BE LABELED ACCORDINGLY.
5. ALL DEVICES ARE TO BE INSTALLED TO COMPLY WITH ADA GUIDELINES.
6. ALL MATERIAL SHALL BE UL LISTED AND SHALL BE INSTALLED AS REQUIRED BY THE NEC.
7. CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS PER MANUFACTURER RECOMMENDATIONS.

KEY NOTES:

(1) PROVIDE (2) 120V CIRCUITS FROM RESPECTIVE RENTAL COMPANY POWER PANEL VIA 30A-1P BREAKERS. PROVIDE (2) SETS OF 2#4, 1#8 GND IN EXISTING 2" CONDUIT FROM POWER PANEL TO CLEARLY MARKED HANDHOLE. PROVIDE 2#8, 1#8 GND IN EXISTING 1" CONDUIT FROM THE HANDHOLE TO THE FIELD DETERMINED LOCATION OF THE NEW PLATE BARRIERS FOR CONNECTION.

(2) EXISTING 2" CONDUIT FROM BETWEEN HANDHOLE AND RESPECTIVE RENTAL COMPANY IT ROOM. EXACT COMMUNICATION CABLE PROTOCOL TO BE COORDINATED PER MANUFACTURER REQUIREMENTS AND OWNER COMMUNICATIONS PROTOCOL.

(6) INSTALL LOOP DETECTORS AND EXTEND TO NEW PLATE BARRIER. EXACT ROUTING AND LOCATION SHALL BE DETERMINED PER MANUFACTURER RECOMMENDATIONS.

(7) PROVIDE A SEPARATE CARD READER FOR BOTH RENTAL COMPANY AND TLH AUTHORITY PER OWNER'S SPECIFICATIONS AT EXIT BARRIER. TLH AND RAC COMMUNICATION SHALL NOT HAVE A DIRECT CONNECTION AT ANY POINT.

(8) PROVIDE A SEPARATE CARD READER FOR BOTH RENTAL COMPANY AND TLH AUTHORITY PER OWNER'S SPECIFICATIONS AT ENTRANCE BARRIER. TLH AND RAC COMMUNICATION SHALL NOT HAVE A DIRECT CONNECTION AT ANY POINT.

(9) 24 PAIR SINGLE MODE FOC INSTALLED IN EXISTING 2" CONDUIT FROM TLH HANDHOLE TO BRANCH HANDHOLE AS SHOWN ON SHEET T002.

(10) EXISTING 2" CONDUIT FROM TLH AND RAC HANDHOLES TO GATED ACCESS LOCATIONS FOR FUTURE CARD READERS.

(11) 24 PAIR SINGLE MODE FOC INSTALLED IN EXISTING 2" CONDUIT FROM TLH HANDHOLE TO NEAREST COMMUNICATION CONTROL CABINET.

(12) REMOTE SWITCH PANEL PROVIDED BY OTHERS. CONTRACTOR SHALL EXTEND ALL EXISTING CONDUIT TO REMOTE SWITCH PANEL. FINAL LOCATION TO BE FIELD COORDINATED.

(13) EXISTING 3/4" COMM CONDUIT FROM PANEL TO FUTURE RAC CAMERA. RAC TO INSTALL CAMERA AND COMMUNICATION CABLE.

(14) EXISTING 1" COMM CONDUIT FROM PANEL TO FUTURE RAC CAMERA. RAC TO INSTALL CAMERA AND COMMUNICATION CABLE.

(15) EXISTING 3/4" COMMUNICATIONS CONDUIT AND 1" POWER CONDUIT TO REMOTE SWITCH PANEL FROM RAC BUILDING. CONTRACTOR SHALL CONFIRM CAPACITY ON EXISTING FEEDER PANEL FOR AN ADDITIONAL CCTV BREAKER .

LEGEND:

- HH — 3 FT X 3 FT HANDHOLE
- CCTV — PROPOSED CCTV LOCATION AT 12FT MOUNTING HEIGHT
- CR — PROPOSED CARD READER LOCATION
- PROPOSED CONDUIT STUB-UP
- UNDERGROUND CONDUIT

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FLORIDA LICENSE NUMBER 84554
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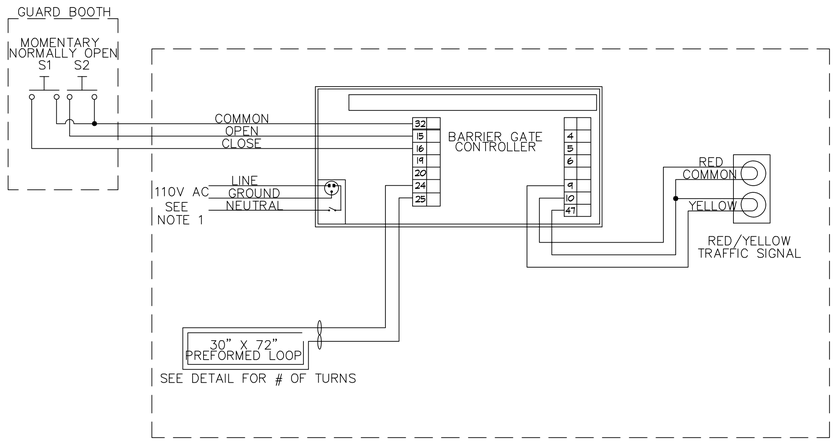
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DATE 04/16/2021			
SCALE AS SHOWN			

SECURITY PLAN DETAIL

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
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MANUFACTURER'S DETAIL ISSUED FOR REFERENCE

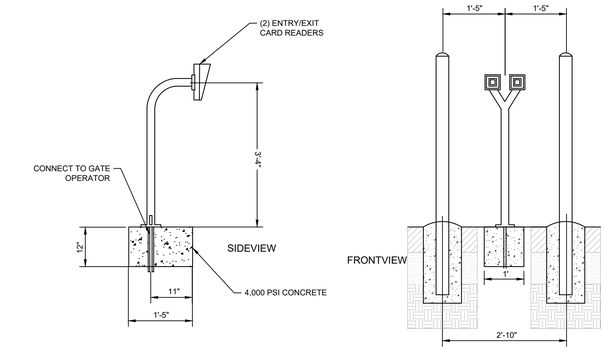
SPIKE SYSTEMS, INC.
3623 SOUTH 7TH STR, PHOENIX, AZ 85040
PH: (602)243-0291 FAX (602)243-0294

CBG-120 CRASH BARRIER GATE STANDARD LANE LAYOUT

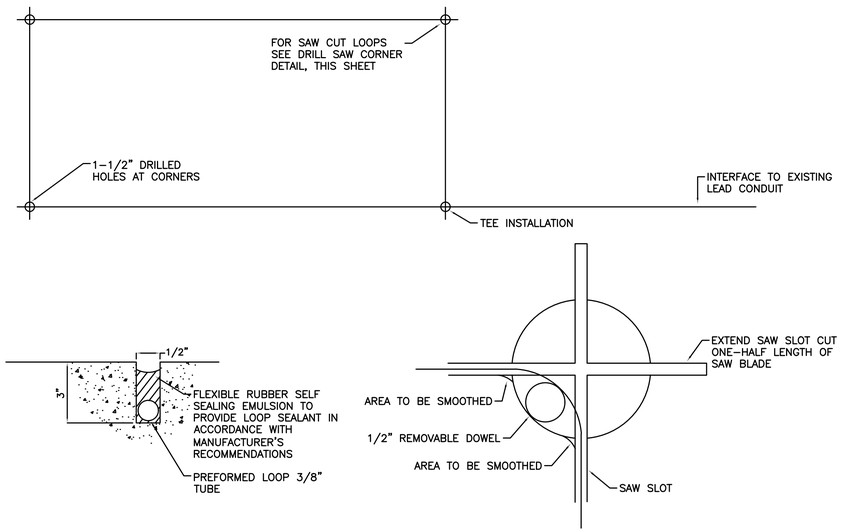
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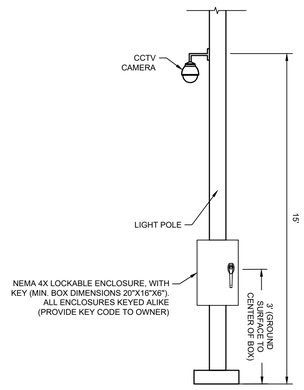
A. THE SYSTEM CONTRACTOR/INTEGRATOR RESPONSIBLE FOR PROVIDING THE VIDEO MANAGEMENT SYSTEM (VMS) SHALL HAVE AT LEAST 10 YEARS' EXPERIENCE IN FURNISHING AND INSTALLATION OF SUCH SYSTEMS.
B. THE SYSTEM CONTRACTOR/INTEGRATOR SHALL HAVE PREVIOUS EXPERIENCE IN INSTALLATION OF AIRPORT VMS IN US AND CARIBBEAN REGION FOR AT LEAST 2 PROJECTS IN THE PAST 5 YEARS. CONTRACTOR SHALL PROVIDE NAMES OF THE PROJECT, YEAR COMPLETED AND REFERENCES TO THE A/E FOR REVIEW AND APPROVAL.
C. THE SYSTEM CONTRACTOR'S PROJECT MANAGER AND ON-SITE SUPERINTENDENT SHALL HAVE A MINIMUM OF 15 YEARS OF EXPERIENCE
D. MANUFACTURER QUALIFICATIONS:
D.1. MANUFACTURER MANUFACTURER OF THE VMS SHALL BE AN ESTABLISHED ORGANIZATION WITH REFERENCED AND DOCUMENTED EXPERIENCE DELIVERING AND MAINTAINING SECURITY SYSTEMS OF EQUAL OR HIGHER SOPHISTICATION AND COMPLEXITY AS COMPARED TO THE SYSTEM DETAILED IN THIS PROJECT.
D.2. VMS MANUFACTURER'S MANUFACTURING FACILITIES SHALL BE CERTIFIED ISO-9000:2000 OPERATIONS, UTILIZE ISO-9000:2000 MANUFACTURING PROCEDURES AND MAINTAIN THEIR ISO CERTIFICATIONS.
D.3. VMS MANUFACTURER SHALL EMPLOY AT A MINIMUM THE FOLLOWING METHODS FOR QA OF COMPONENT AND ASSEMBLY DEVICES.
D.3.1. VISUAL INSPECTION OF DEVICES SHALL BE PERFORMED TO VERIFY ASSEMBLY ACCORDING TO DEFINED PROCEDURES. END OF LINE OPERATIONAL TESTS SHALL BE PERFORMED TO ENSURE PRODUCT FUNCTIONALITY HAS BEEN CORRECTLY CONFIGURED. A SYSTEM BURN-IN PERIOD SHALL BE UTILIZED TO SCREEN FOR EARLY LIFE FAILURES OF ELECTRONIC COMPONENTS.
D.4. INDIVIDUAL FUNCTIONALITY AND SYSTEM LEVEL REGRESSION TESTING SHALL BE PERFORMED TO ENSURE COMPLIANCE WITH PRODUCT SPECIFICATIONS. SINGLE AND MULTIPLE UNIT SYSTEM TESTS SHALL BE PERFORMED TO MIMIC END-USER INSTALLATION CONFIGURATIONS. AUTOMATED HARDWARE AND SOFTWARE TESTING SHALL BE UTILIZED TO EVALUATE SYSTEM PERFORMANCE UNDER PUBLISHED OPERATIONAL LOADS AND SHALL BE COMPARED TO PUBLISHED SYSTEM CAPABILITIES.
E. VMS SOFTWARE EXPERIENCE: THE VMS CONTRACTOR/INTEGRATOR SHALL HAVE FACTORY TRAINED PERSONNEL FROM THE APPROVED MANUFACTURER WITH A MINIMUM OF 5 YEARS' EXPERIENCE IN SYSTEM INTEGRATION AND A MINIMUM OF 2 YEARS' EXPERIENCE IN THE PROPOSED VMS FOR THIS PROJECT. SUBMIT NAME OF THE QUALIFIED PERSONNEL.



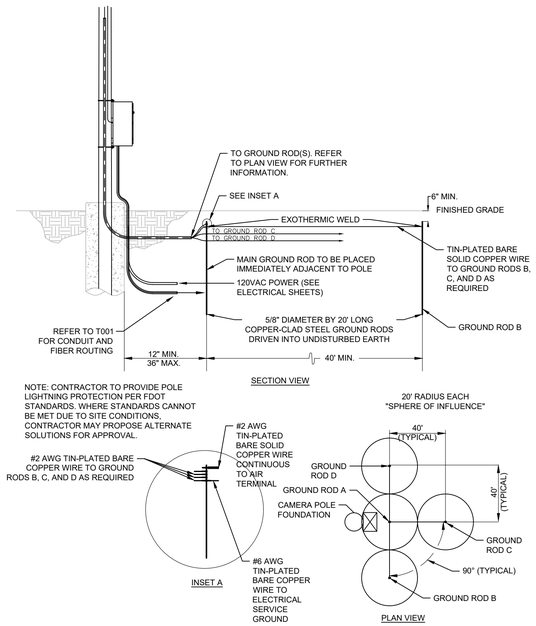
1 CARD READER AND BOLLARDS DETAIL



2 LOOP DETECTION INSTALLATION DETAIL



3 LIGHT POLE MOUNTED CCTV CAMERA ASSEMBLY



4 CAMERA POLE GROUNDING DETAIL

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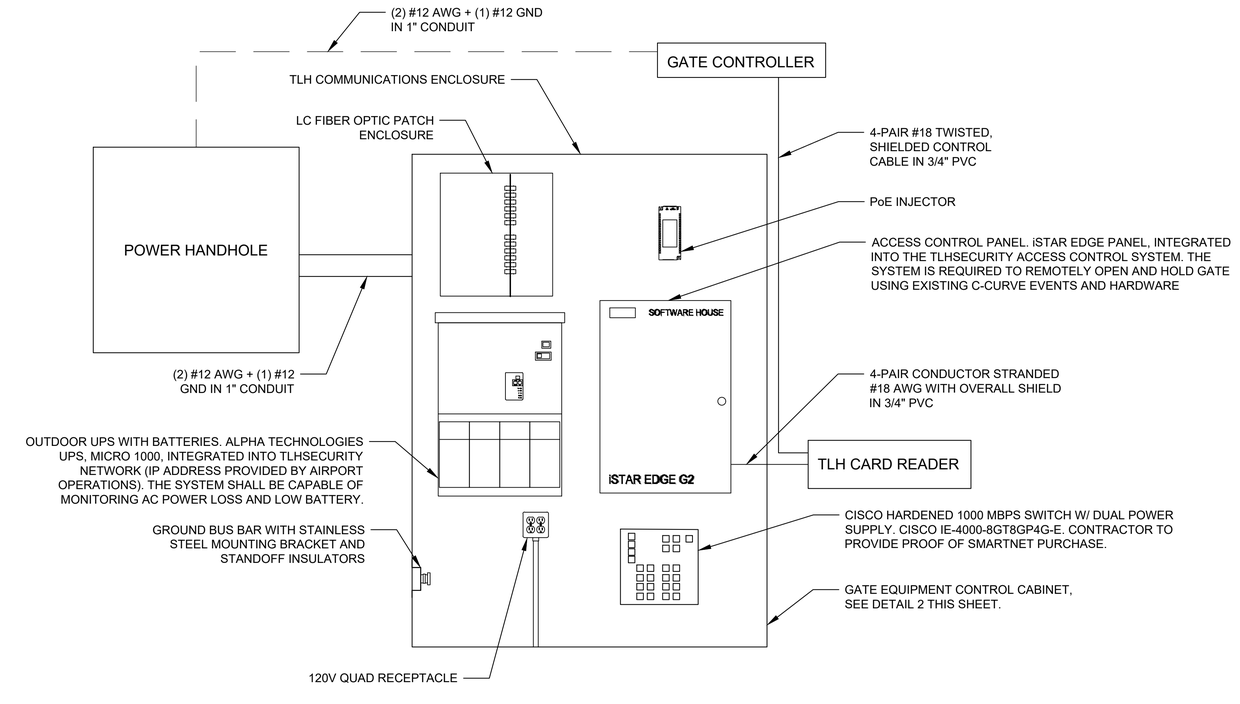
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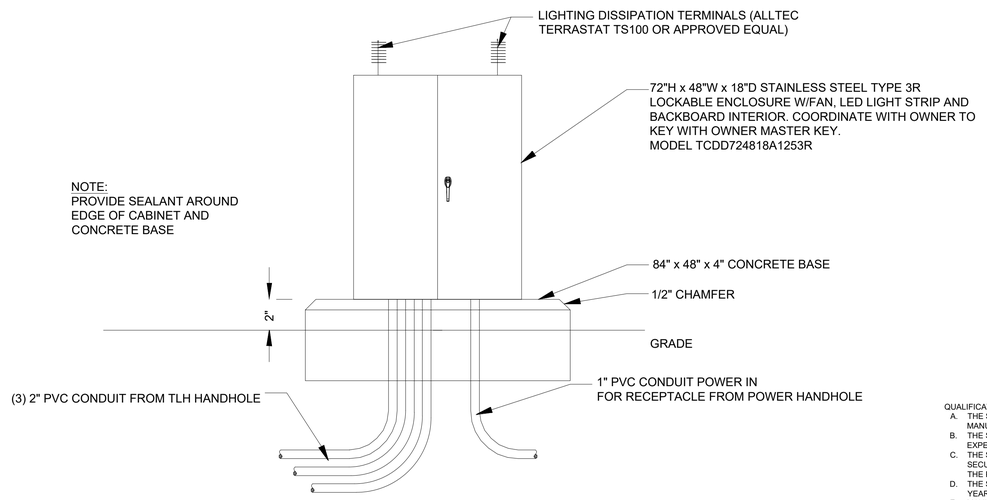
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1 GATE EQUIPMENT ARCHITECTURE



2 GATE EQUIPMENT CONTROL CABINET

QUALIFICATION NOTES:
- A. THE SYSTEM CONTRACTOR/INTEGRATOR SHALL HAVE ENTERPRISE LEVEL CERTIFICATION FROM THE APPROVED MANUFACTURER.
- B. THE SYSTEM CONTRACTOR/INTEGRATOR RESPONSIBLE FOR PROVIDING THE ACS SHALL HAVE AT LEAST 10 YEARS' EXPERIENCE IN FURNISHING AND INSTALLATION OF SUCH SYSTEMS.
- C. THE SYSTEM CONTRACTOR/INTEGRATOR SHALL HAVE PREVIOUS EXPERIENCE IN INSTALLATION OF AIRPORT SECURITY SYSTEM IN US FOR AT LEAST 2 PROJECTS IN THE PAST 5 YEARS. CONTRACTOR SHALL PROVIDE NAMES OF THE PROJECT, YEAR COMPLETED AND REFERENCES TO THE A/E FOR REVIEW AND APPROVAL.
- D. THE SYSTEM CONTRACTOR'S PROJECT MANAGER AND ON-SITE SUPERINTENDENT SHALL HAVE A MINIMUM OF 15 YEARS OF EXPERIENCE.
- E. MANUFACTURER QUALIFICATIONS:
  - E.1. MANUFACTURER OF THE ACS SHALL BE AN ESTABLISHED ORGANIZATION WITH REFERENCED AND DOCUMENTED EXPERIENCE DELIVERING AND MAINTAINING SECURITY SYSTEMS OF EQUAL OR HIGHER SOPHISTICATION AND COMPLEXITY AS COMPARED TO THE SYSTEM DETAILED IN THIS PROJECT.
  - E.2. ACS MANUFACTURER'S MANUFACTURING FACILITIES SHALL BE CERTIFIED ISO-9000:2000 OPERATIONS, UTILIZE ISO-9000:2000 MANUFACTURING PROCEDURES AND MAINTAIN THEIR ISO CERTIFICATIONS.

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QUICK-TURNAROUND FACILITY
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SHEET NUMBER
T005

CARWASH SYSTEM DESCRIPTION

DESCRIPTION

1. SEPARATE DUAL CAR WASHES WILL SERVE EACH OF THE FOUR RAC FACILITIES AND CONSIST OF THE FOLLOWING:
   - 1.1. PRE-WASH HIGH PRESSURE SPRAY WAND
   - 1.2. FLOODER ARCH
   - 1.3. 5 BRUSH WASH
   - 1.4. RINSE ARCH
   - 1.5. REVERSE OSMOSIS RINSE ARCH
   - 1.6. BLOWER

NORMAL OPERATION

1. THE CAR WASH IS ACTIVATED BY PHOTO EYES TRIGGERED BY THE FRONT OF THE CAR.
2. THE OPERATOR DRIVES INTO THE BAY AND STOPS PRIOR TO ACTIVATING THE PHOTO EYES IF PRE-WASH IS REQUIRED AND IF NOT PROCEEDS TOWARDS THE CAR WASH TO ACTIVATE THE PHOTO EYES.
3. THE OPERATOR WILL CONTINUE TO DRIVE THROUGH THE BAY AT 1 MPH ACTIVATING VARIOUS PHOTO EYES TO OPERATE THE EQUIPMENT.
4. ONCE THE SYSTEM HAS BEEN ACTIVATED RECLAIM PUMP WILL START DRAWING WATER FROM THE RECLAIM TANKS. THE WATER LEVEL OF THE RECLAIM WATER TANKS WILL CONTROL THE OPERATION OF SUBMERSIBLE PUMPS LOCATED IN THE PUMP PIT. SUBMERSIBLE PUMPS SHALL BE PROGRAMMED TO WORK BOTH AS ALTERNATING & MASTER-SLAVE.
5. EACH BAY WILL BE SUPPLIED INDIVIDUALLY BY A DEDICATED RECLAIM PUMP LOCATED ADJACENT TO THE RECLAIM TANK.
6. THE FINAL RINSE WATER WILL BE PROVIDED TO EACH BAY FROM A FRESH WATER SOURCE
7. EACH BAY WILL BE SUPPLIED BY A RO PUMP LOCATED ADJACENT TO THE RO WATER STORAGE TANK. THE LEVEL OF THE RO WATER STORAGE TANK WILL BE CONTROLLED BY THE RO WATER STORAGE TANK LEVEL CONTROLLERS. THE RO UNIT WILL ALSO CONTROL THE AGGREGATED RO RINSE PUMP.
8. EACH CARWASH BAY WILL HAVE A TRENCH DRAIN IN THE MIDDLE OF THE BAY. THE DRAIN WILL COLLECT ALL WATER USED IN THE CAR WASH. THIS WATER WILL DRAIN TO THE DEDICATED RECOVERY PIT. ANY EXCESS WATER IN THE SYSTEM WILL OVER FLOW TO THE SANITARY SEWER
9. OVERFLOW FROM THE RECLAIM WATER STORAGE TANK WILL DRAIN INTO THE CARWASH BAY DRAINAGE SYSTEM.
10. OVERFLOW FROM THE RO STORAGE TANK WILL DRAIN TO THE NEAREST CARWASH FLOOR SUMP ON THAT FLOOR.

ALTERNATE OPERATION:

1. IF THE LEVEL OF WATER IN THE DEDICATED PUMP PIT IS SENSED TO BE LOW, BY THE LOW LEVEL SWITCH IN THE PIT, THE TWO SUBMERSIBLE PUMPS WILL BE SHUT DOWN TO PREVENT DRY RUNNING OF THE PUMPS. THE SOLENOID VALVE ON THE FRESH WATER LINE FEEDING THE RECLAIM WATER STORAGE TANK WILL OPEN PROVIDING WATER TO THE TANK AND ALLOW CAR WASH OPERATIONS TO CONTINUE UNTIL SUFFICIENT WATER ACCUMULATES IN THE PUMP PIT.
2. IF THE WATER LEVEL IN A RECLAIM STORAGE TANK ACTIVATES THE LOW LOW LEVEL SENSOR, THE RECLAIM PUMP TO THE CAR WASH BAY WILL SHUT DOWN AND THE SOLENOID VALVE WHICH PROVIDES FRESH WATER DOWN STREAM OF THE RECLAIM PUMP WILL OPEN, ALLOWING CARWASH OPERATIONS TO CONTINUE. IF THE RECLAIM PUMP TO THE BAY FAILS THE SOLENOID VALVE TO THAT BAY WILL OPEN AND PROVIDE FRESH WATER TO THAT BAY UNTIL THE PUMP CAN BE REPAIRED.
3. IF THE WATER LEVEL IN THE RO TANK IS LOW, THE RO UNIT FAILS OR THE RINSE PUMP FAILS IN ANY BAY, THE FRESH WATER BYPASS SOLENOID VALVE DOWN STREAM OF THE THE RO RINSE PUMP WILL OPEN ALLOWING FRESH WATER TO BE USED FOR THE FINAL RINSE.

PIPING LEGEND

LINE DESIGNATION	SYMBOLS
SIZE — RW-2-CU SERVICE FW - FRESH WATER RO - REVERSE OSMOSIS WATER RW - RECLAIM WATER SS - SANITARY SEWER MATERIAL CS - CARBON STEEL CU - COPPER PVC - POLYVINYL CHLORIDE	UNDERGROUND PIPING ABOVEGROUND PIPING ELECTRICAL CONDUIT BALL VALVE SOLENOID VALVE CHECK VALVE FLOOR SINK (LS) LEVEL SWITCH (FA) FLOW ALARM

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ALAMEDA, CA 94501 510.521.3775

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GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER 144124059	DATE JAN 2025	NTS	
DESIGNED BY	AB		
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CARWASH SYSTEMS
GENERAL NOTES AND DESCRIPTION

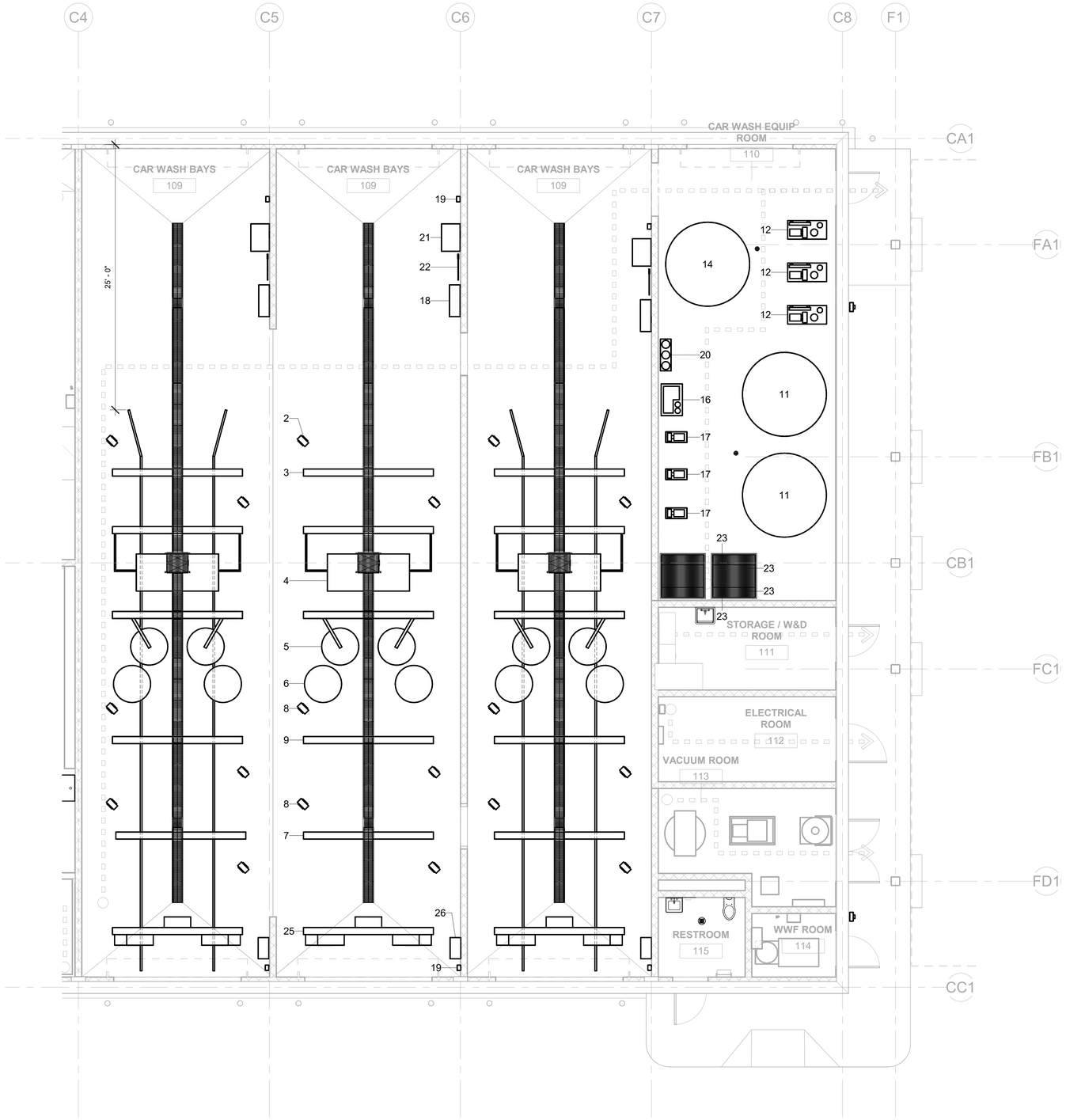
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GENERAL NOTES

1 REFER TO EQUIPMENT SCHEDULE ON SHEET QC600 FOR DESCRIPTION OF NUMBERED ITEMS.



1 QTA BUILDING A CARWASH EQUIPMENT PLAN
3/16" = 1'-0"

BUILDING A BUILDING B BUILDING C

SITE KEY

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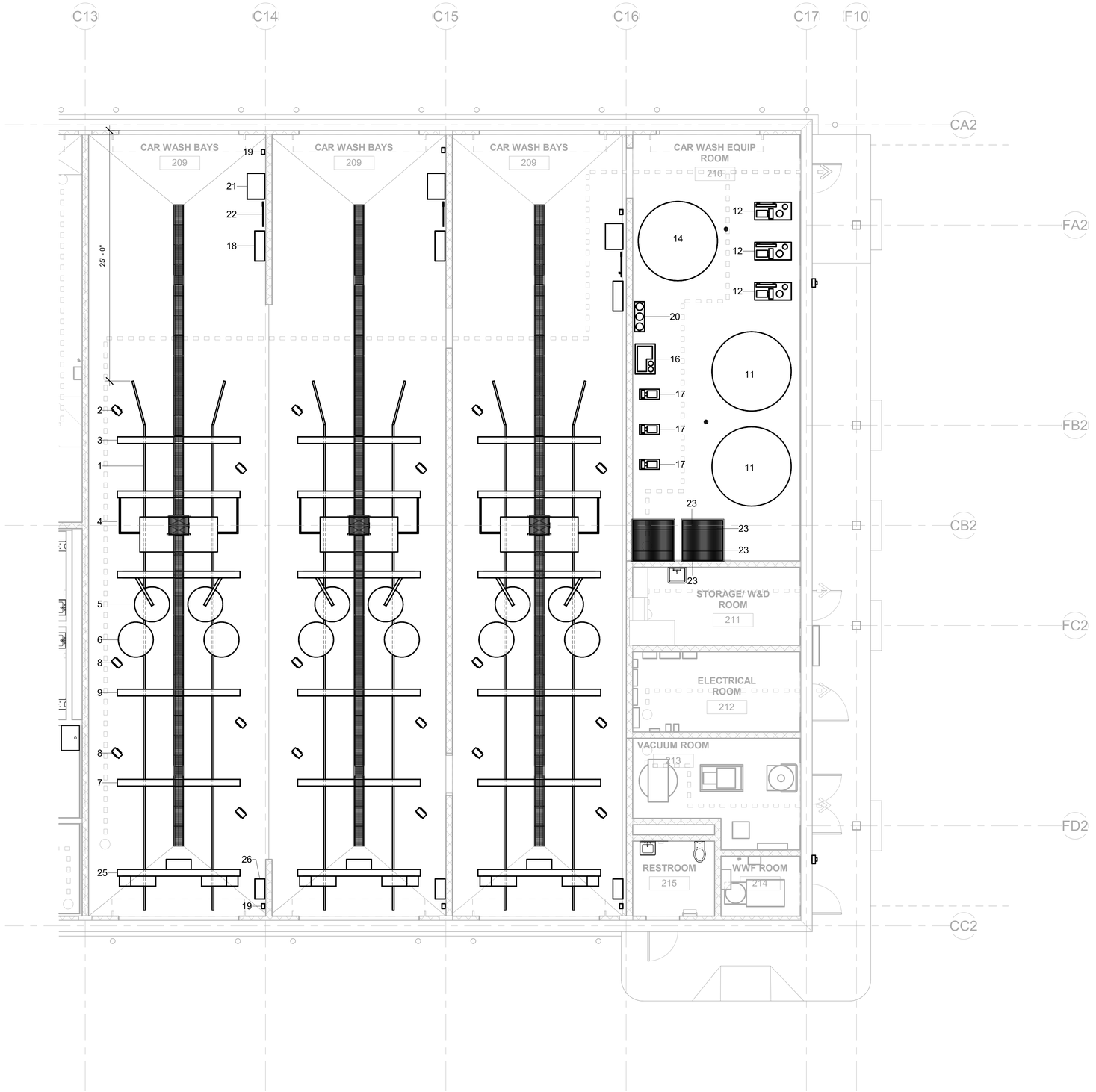
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QTA BUILDING A CARWASH EQUIPMENT PLAN

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1 QTA BUILDING B CARWASH EQUIPMENT PLAN
3/16" = 1'-0"

GENERAL NOTES

1 REFER TO EQUIPMENT SCHEDULE ON SHEET QC600 FOR DESCRIPTION OF NUMBERED ITEMS.

BUILDING A BUILDING B BUILDING C

SITE KEY

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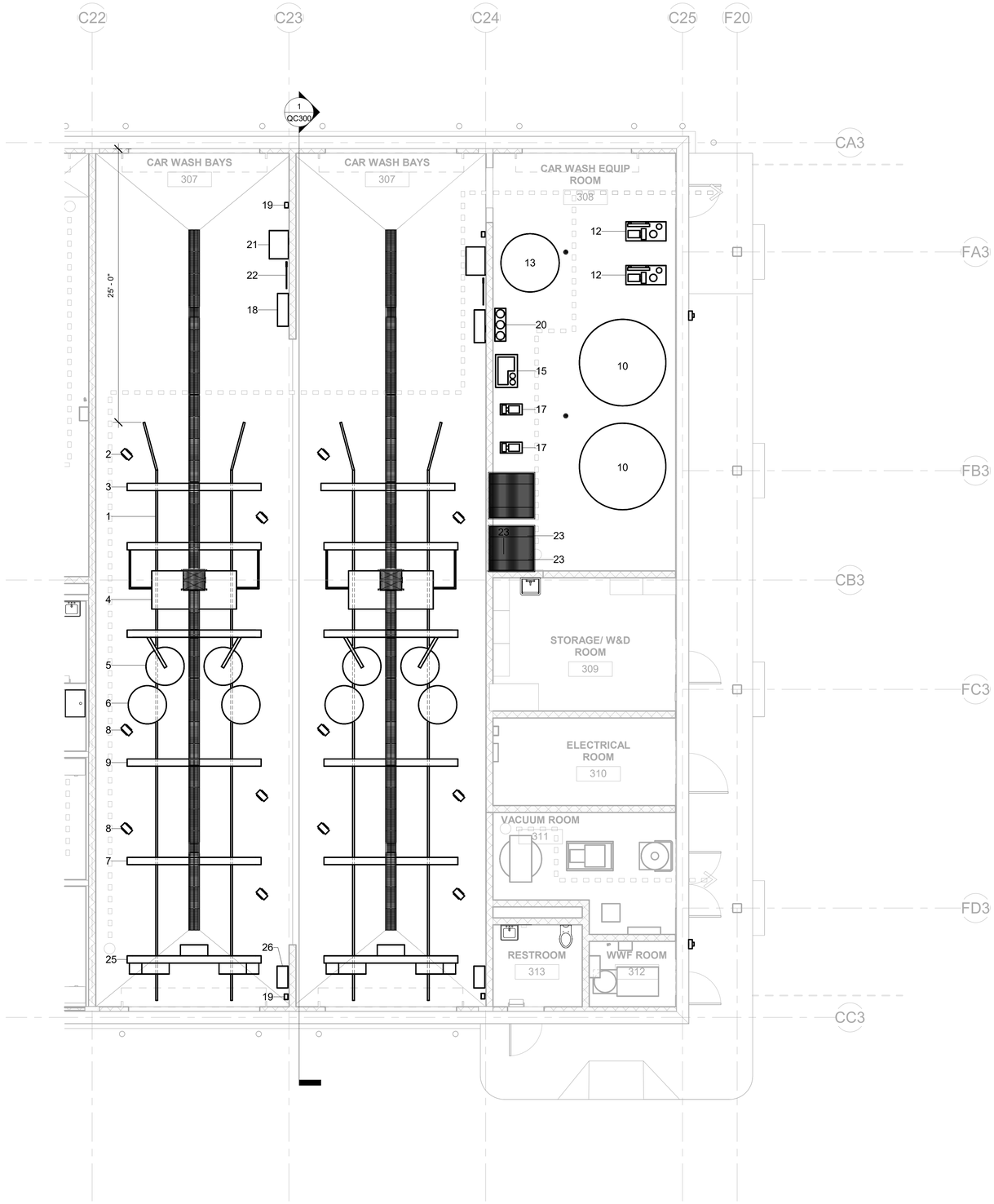
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QTA BUILDING B CARWASH EQUIPMENT PLAN

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1 QTA BUILDING C CARWASH EQUIPMENT PLAN
3/16" = 1'-0"

GENERAL NOTES

1 REFER TO EQUIPMENT SCHEDULE ON SHEET QC600 FOR DESCRIPTION OF NUMBERED ITEMS.

BUILDING A | BUILDING B | BUILDING C

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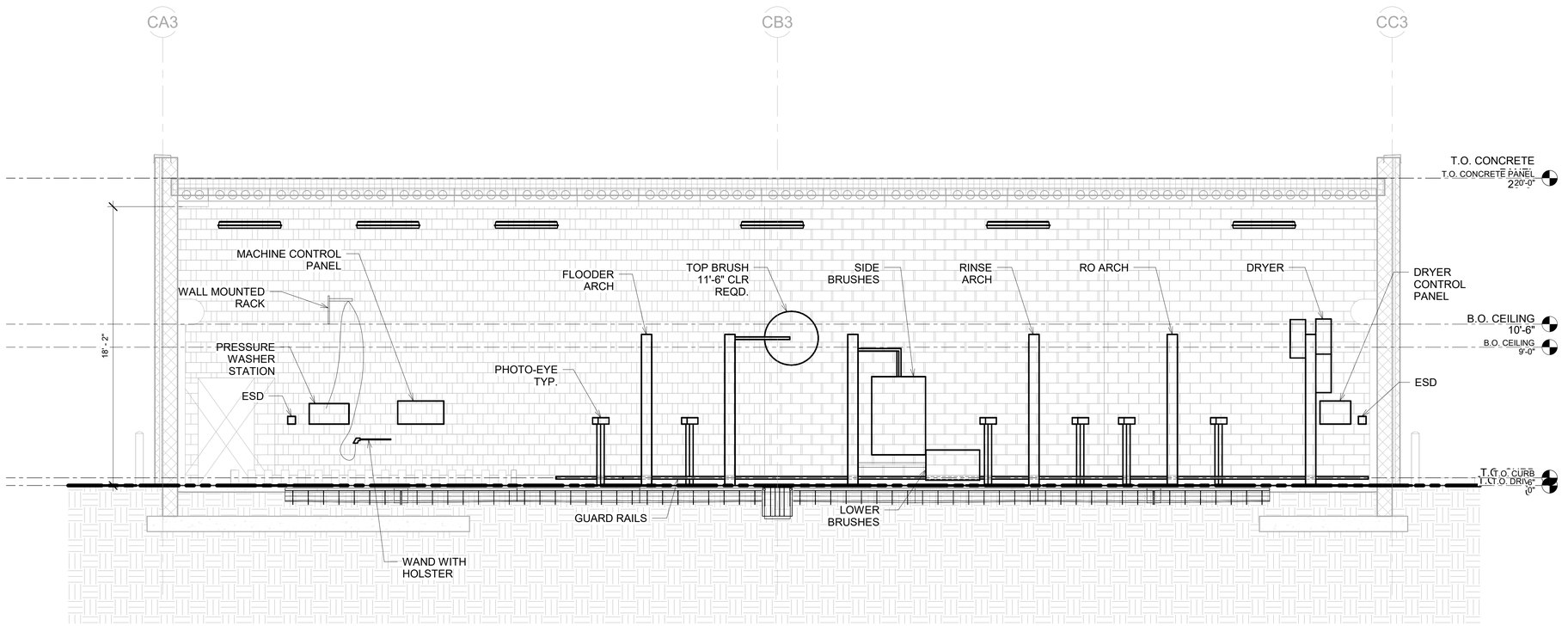
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QTA BUILDING C CARWASH EQUIPMENT PLAN

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1 CARWASH BAY ELEVATION - TYPICAL
1/4" = 1'-0"

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CARWASH BAY ELEVATION

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TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
QC300

EQUIPMENT SCHEDULE

ITEM	NO. REQ'D	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SIZE/CAPACITY	CONNECTIONS	FURNISHED BY:		INSTALLED BY:		REMARKS
							TENANT	CONTR. (CW)	TENANT	CONTR. (CW)	
CARWASH SYSTEM EQUIPMENT (CW)											
1	8	GUIDE RAIL	BELANGER					✓		✓	-
2	8	PHOTO-EYE (PAIR)						✓		✓	-
3	8	FLOODER ARCH						✓		✓	-
4	8	TOP BRUSHES						✓		✓	
5	8	SIDE BRUSHES						✓		✓	
6	8	LOW SIDE BRUSHES						✓		✓	
7	8	RO RINSE ARCH						✓		✓	
8	16	PHOTO-EYE (PAIR)						✓		✓	
9	8	FRESH WATER RINSE ARCH						✓		✓	
10	2	3,000-GAL. RECLAIM WATER STORAGE TANK, 95" DIA. x 112" H						✓		✓	
11	4	4,000-GAL. RECLAIM WATER STORAGE TANK, 95" DIA. x 144" H						✓		✓	
12	8	RECLAIM PUMPING STATION				5 HP, 460V, 3PH *		✓		✓	EC CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO CONTROL PANEL
13	1	2,000-GAL. REVERSE OSMOSIS WATER STORAGE TANK, 64" DIA. x 160" H						✓		✓	
14	2	3,000-GAL. REVERSE OSMOSIS WATER STORAGE TANK, 95" DIA. x 112" H						✓		✓	
15	1	REVERSE OSMOSIS UNIT (6,000 GPD)				3 HP, 460V, 3PH *		✓		✓	EC CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO CONTROL PANEL
16	2	REVERSE OSMOSIS UNIT (8,000 GPD)				3 HP, 460V, 3PH *		✓		✓	EC CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO CONTROL PANEL
17	8	RO RINSE PUMP				2 HP, 460V, 3PH *					EC CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO CONTROL PANEL
18	8	MACHINE CONTROL PANEL				6 HP, 460V, 3PH * 120V, 1PH (CONTROL) *		✓		✓	EC CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO CONTROL PANEL
19	16	CARWASH EMERGENCY SHUT-OFF						✓		✓	
20	3	WATER SOFTENER				120V, 1PH *		✓		✓	EC CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO CONTROL PANEL
21	8	COLD WATER PRESSURE WASHER STATION				7 1/2 HP, 460V, 3PH *		✓		✓	EC CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO CONTROL PANEL
22	8	WALL MOUNT RACK AND WAND						✓		✓	
23	11	SUBMERSIBLE PUMP FOR RECLAIM WATER				1/2 HP, 120V, 1PH *		✓		✓	EC CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO CONTROL PANEL
24	-	NOT USED									
25	8	DRYER - 50 HP						✓		✓	
26	8	DRYER CONTROL PANEL				50 HP, 460V, 3PH *		✓		✓	EC CONTRACTOR TO PROVIDE CONDUIT AND WIRE TO CONTROL PANEL
27	8	UTILITY TRACK						✓		✓	

* CARWASH VENDOR TO CONFIRM V/PH/CKT'S

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GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	144124059
DATE	JAN 2025
	NTS
DESIGNED BY	AB
DRAWN BY	AB
CHECKED BY	BE

CARWASH SYSTEM EQUIPMENT SCHEDULE

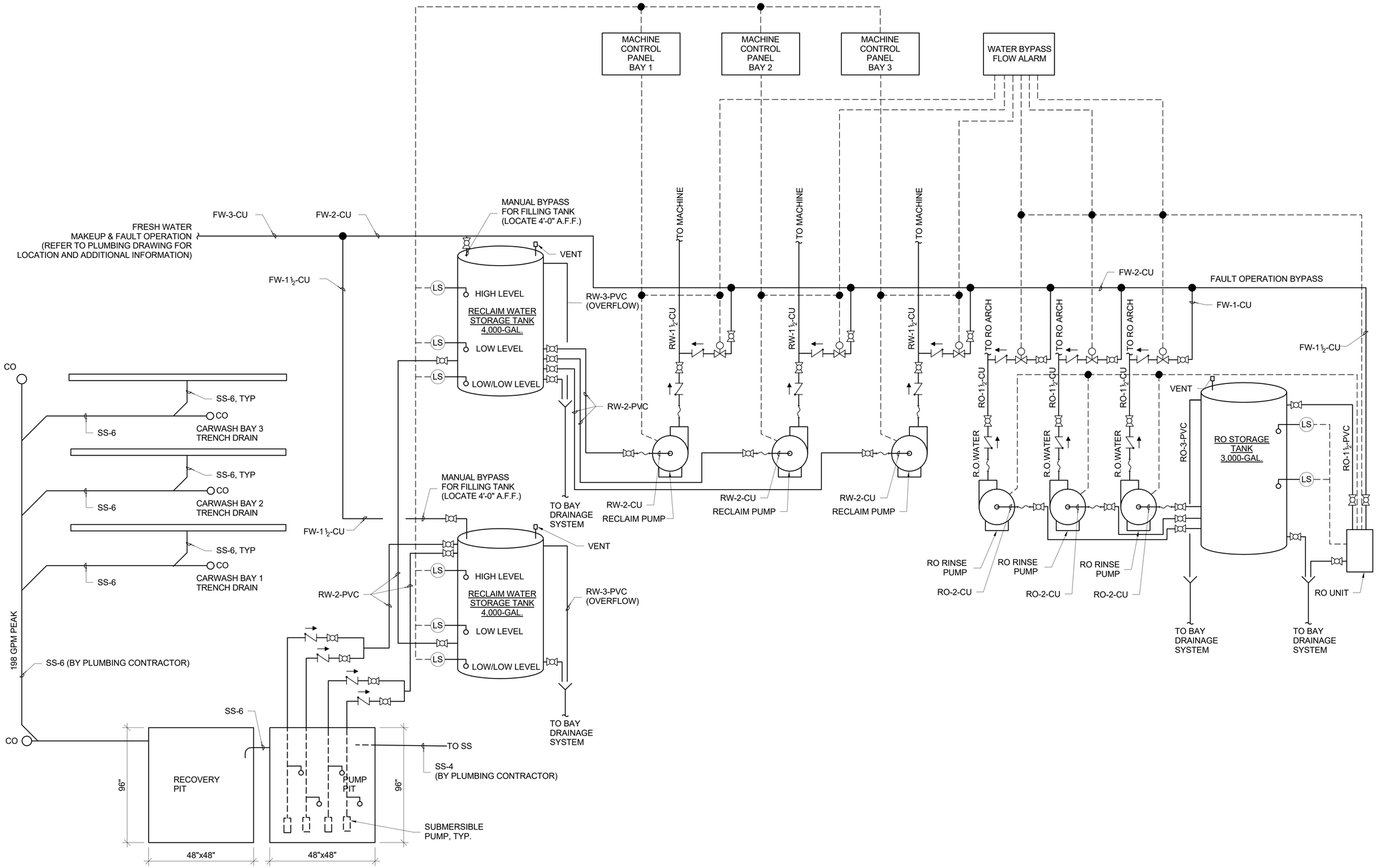
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QC600

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GENERAL NOTES

1 REFER TO SHEET QC001 FOR PERFORMANCE CRITERIA AND LEGEND FOR LINE DESIGNATION AND SYMBOLS.



1 CARWASH SYSTEM PIPING AND INSTRUMENTATION DIAGRAM - QTA BUILDINGS A & B
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GREGORY MAZUR
FL LICENSE NUMBER
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PROJECT NUMBER	DESIGNED BY	AB
144124059	DRAWN BY	AB
DATE JAN 2025	CHECKED BY	BE
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CARWASH SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

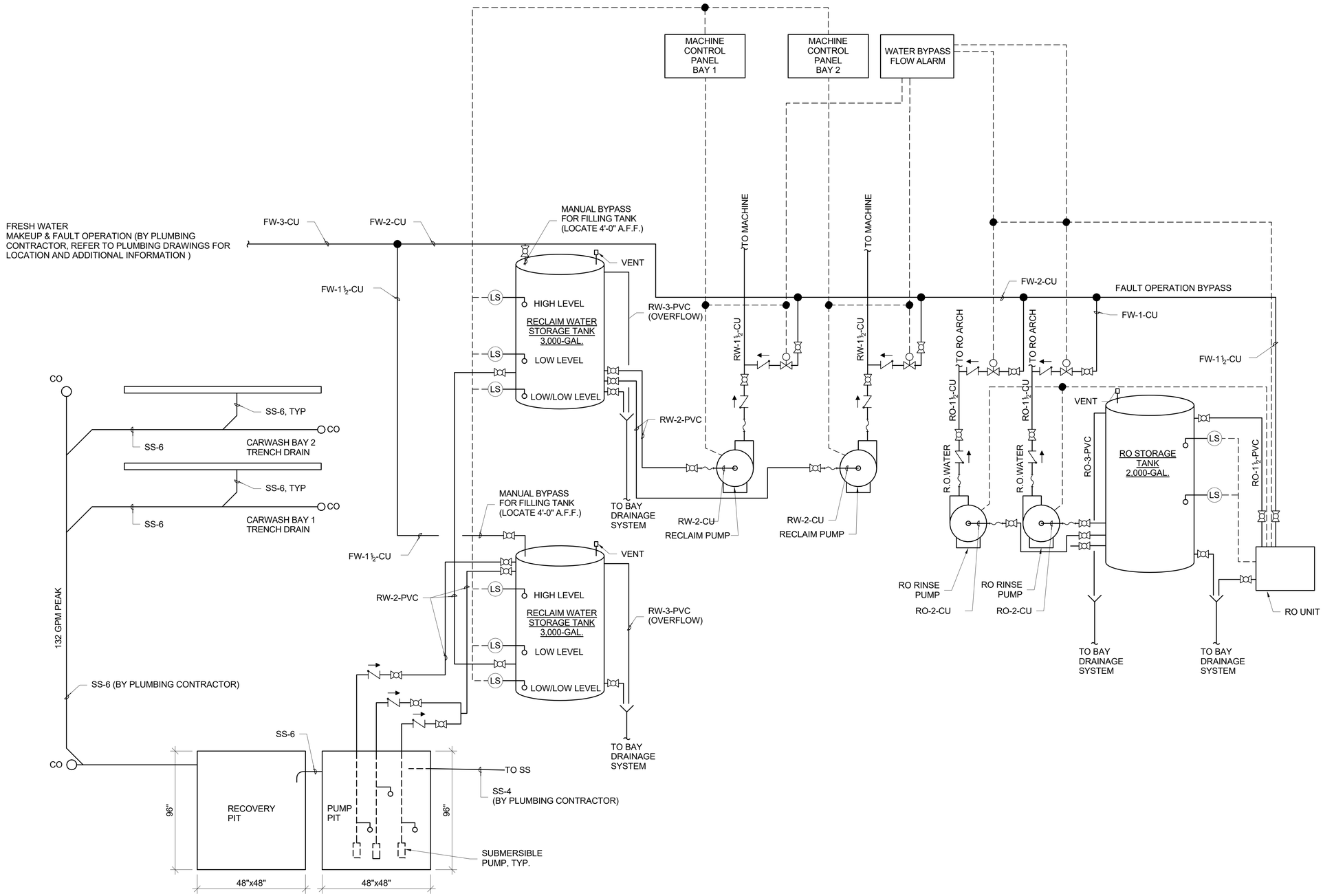
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1 CARWASH SYSTEM PIPING AND INSTRUMENTATION DIAGRAM - QTA BUILDING C
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PROJECT NUMBER	DESIGNED BY	AB
144124059	DRAWN BY	AB
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CARWASH SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

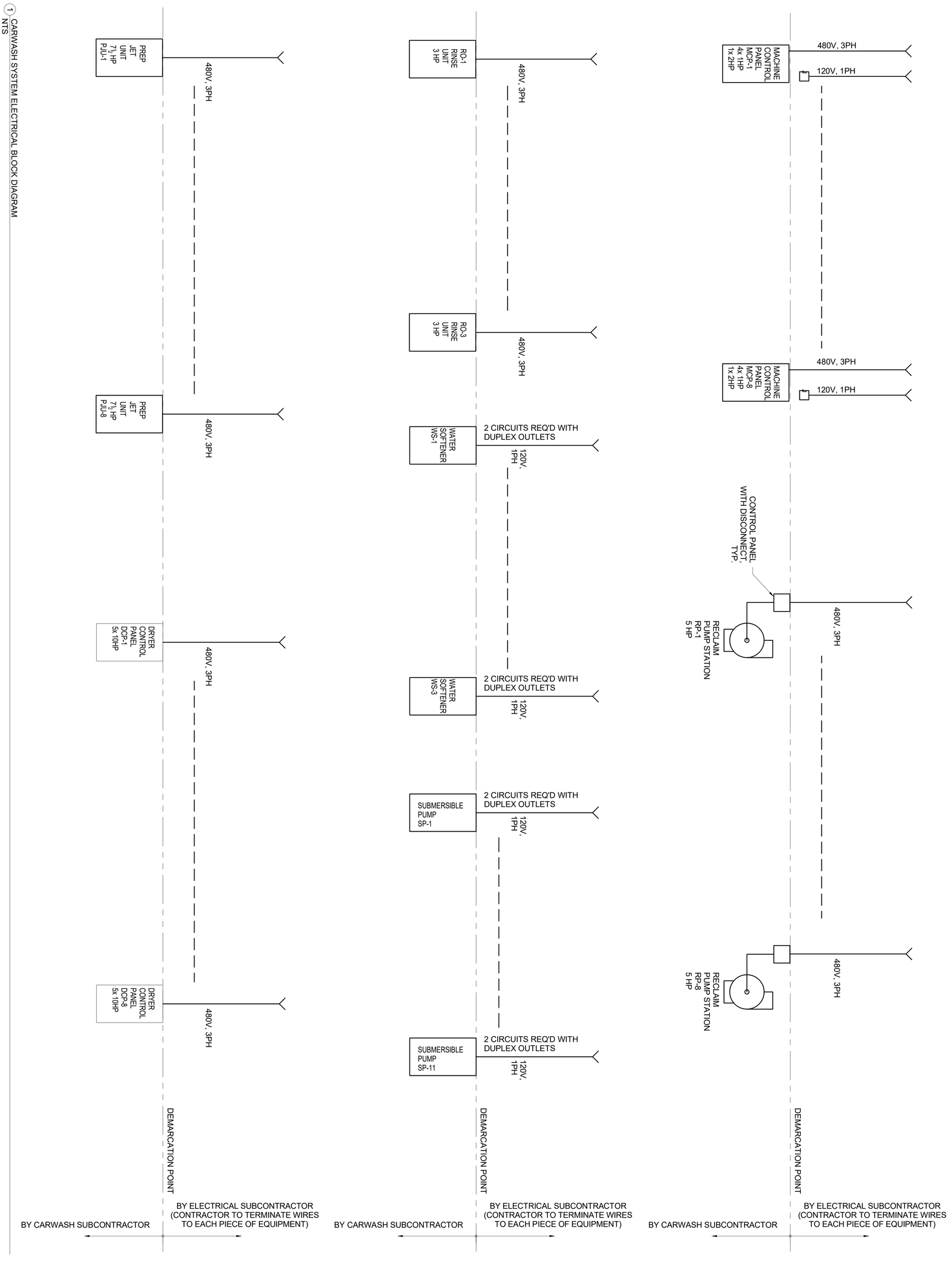
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1 CARWASH SYSTEM ELECTRICAL BLOCK DIAGRAM
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QC702

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CARWASH SYSTEM ELECTRICAL BLOCK DIAGRAM

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DATE	JAN 2025
NTS	
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ELECTRICAL SYMBOLS

POWER

- EXPOSED CONDUIT OR CABLE
- CONDUIT (UNDERGROUND OR CONCEALED IN FLOOR, WALL ORE CEILING)
- CONDUIT SEAL
- JUNCTION BOX WITH COVER
- PULL BOX WITH SCREW (HINGED) COVER
- SPECIAL RECEPTACLE OUTLET. AMPERE, VOLTAGE, PHASE AND NEMA RATING AS NOTED ON THE DRAWINGS
- 20A-120V DUPLEX RECEPTACLE OUTLET, NEMA 5-20R SPECIFICATION GRADE. WALL MOUNTED
- 20A-120V DUPLEX RECEPTACLE OUTLET, NEMA 5-20R SPECIFICATION GRADE. MOUNTED ABOVE COUNTER SPLASH
- 20A-120V CEILING MOUNTED SINGLE TWIST-LOCK RECEPTACLE OUTLET, NEMA L5-20R SPECIFICATION GRADE
- 20A-120V DUPLEX FLOOR RECEPTACLE OUTLET, NEMA 5-20R
- 20A-120V TWO DUPLEX RECEPTACLE OUTLET IN ONE COVER PLATE. WALL MOUNTED, NEMA 5-20R
- FLOOR MOUNTED POWER FEED MONUMENT OR POKE THROUGH
- MODULAR FURNITURE PARTITION CONNECTION
- MODULAR FURNITURE PARTITION POWER POLE
- MODULAR FURNITURE PARTITION TELE/POWER POLE
- MULTI-OUTLET ASSEMBLY WITH 15A RECEPTACLES @ 6"O.C., NEMA 15-5R
- WM — SURFACE METAL RACEWAY
- P / T/D — SURFACE METAL RACEWAY DIVIDED FOR POWER AND TELECOM WITH 20A/120VAC DUPLEX RECEPTACLE AND TELECOM JACKS @ 24" O.C., NEMA 5-20R
- M — MOTOR CONNECTION
- H — HEATER CONNECTION
- MAGNETIC MOTOR STARTER
- COMBINATION MAGNETIC MOTOR STARTER WITH FUSED DISCONNECT SWITCH
- HEAVY-DUTY DISCONNECT SWITCH, MOUNTED +6'-6" MAXIMUM TO HANDLE
- HEAVY-DUTY FUSED DISCONNECT SWITCH, MOUNTED +6'-6" MAXIMUM TO HANDLE
- MECHANICAL PACKAGED EQUIPMENT WITH INTEGRAL STARTER AND CONTROL PANEL
- 208V PANEL BOARD
- SWITCHBOARD, DISTRIBUTION PANEL, MCC
- 480V PANEL BOARD
- T — TRANSFORMER
- 52 — CIRCUIT BREAKER, INSCRIBED NUMBER INDICATES IEEE DEVICE NUMBER

- EMERGENCY SHUTDOWN
- L - 1/3/5, 7/9, 11,13 / IG — 1 POLE CIRCUITS, 2 POLE CIRCUITS, 3 POLE CIRCUITS; PHASE; NEUTRAL; ISOLATED GROUND CONDUCTOR; EQUIPMENT GROUND CONDUCTOR
- EMERGENCY POWER OFF
- NON-FUSIBLE LOAD INTERRUPTER SWITCH, AIR INSULATED
- FUSIBLE LOAD INTERRUPTER SWITCH, AIR INSULATED
- CIRCUIT BREAKER, MOLDED CASE
- MOTOR CIRCUIT PROTECTOR
- CIRCUIT BREAKER WITH CURRENT LIMITING FUSES - SIZE AS SHOWN
- CIRCUIT BREAKER, DRAW-OUT TYPE
- MAIN CIRCUIT BREAKER W/ GFCI
- MOTOR OVERLOAD RELAY
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- BUS DUCT (SINGLE LINE ONLY)
- V — VOLTMETER
- VS — VOLTMETER SWITCH
- A — AMMETER
- AS — AMMETER SWITCH
- W/H — WATT/HOUR REVENUE METER
- VAR/H — VOLTAMPERES REACTIVE REVENUE METER
- NEUTRAL DISCONNECT LINK
- TRANSFORMER
- HIGH VOLTAGE CABLE TERMINATION
- COPPERWELD GROUND ROD AND INSPECTION WELL
- FLEXIBLE RACEWAY
- COPPERWELD GROUND ROD; 10' X 3/4" U.O.N.
- XXXXX — SHORT CIRCUIT AMPERES, RMS SYMMETRICAL 3-PHASE
- GROUND CONNECTION
- 52 — ANSI/IEEE DEVICE NUMBER
- G — BARE COPPER GROUND CABLE, UNDERGROUND
- PH — PHOTOHELIC
- G — BARE COPPER GROUND CABLE, ABOVEGROUND OR EXPOSED
- MC — METAL CLAD CABLE

SPECIAL SIGNAL

- R — RELAY, INSCRIBED NUMBER INDICATES IEEE DEVICE NUMBER
- RELAY PUSH BUTTON STATION
- B — WALL MOUNTED BELL
- TELE/COMMUNICATION OUTLET
- FLOOR TELE/COMMUNICATION OUTLET

FIRE ALARM & DETECTION

- F — FIRE ALARM PULL STATION, FLUSH MOUNTED
- S — FIRE ALARM STROBE
- H — FIRE ALARM HORN
- HS — FIRE ALARM HORN AND STROBE
- B — FIRE ALARM BELL
- SD — SMOKE DETECTOR
- ID — IONIZATION SMOKE DETECTOR
- HD — HEAT DETECTOR
- SH — SMOKE/HEAT DETECTOR
- DD — DUCT SMOKE DETECTOR
- FACP — FIRE ALARM CONTROL PANEL
- ANN — FIRE ALARM ANNUNCIATOR PANEL
- DH — MAGNETIC DOOR HOLDER
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- PIV — POST INDICATED VALVE TAMPER SWITCH
- SP — CEILING SPEAKER, FLUSH MOUNTED
- SP — CEILING SPEAKER, SURFACE MOUNTED

GENERAL

- FS — FLOAT SWITCH
- LS — LIMIT SWITCH
- M — MANHOLE
- H — HANDHOLE
- 1 — SHEET NOTE IDENTIFICATION TAG
- CHR — CHART RECORDER
- MECHANICAL EQUIPMENT TAG - SEE MECHANICAL EQUIPMENT SCHEDULE
- POWER EQUIPMENT TAG, FEEDER TAG
- 1 — POWER EQUIPMENT TAG, FEEDER TAG
- M — MOTOR
- LP — LEVEL PROBE
- LS — LEAK SENSOR
- SS — SUMP SENSOR
- VS — VAPOR SENSOR
- T — TIMER
- ST — SHUNT TRIP BREAKER

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PROJECT NUMBER	DATE		DESIGNED BY	DRAWN BY	CHECKED BY
144124059	JAN 2025	NTS	KD	AB	BE

ELECTRICAL SYMBOLS

QUICK - TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QE001

ABBREVIATIONS

A, AMPS	AMPERES
A/C	AIR CONDITIONER
AC	ALTERNATING CURRENT
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CURRENT
AL	ALUMINUM
APPR	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
AS	AMPERE SWITCH
AT	AMPERES TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BCP	BOILER CONTROL PANEL
BKBD	BACKBOARD
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CC	CENTER TO CENTER
CAB	CABINET
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CO	CONDUIT ONLY WITH PULL ROPE
CONC	CONCRETE
CTR	CENTER
CU	COPPER
DB	DIRECT BURIAL
DC	DIRECT CURRENT
DET	DETAIL
DIA	DIAMETER
DIST	DISTRIBUTION
DN	DOWN
DP	DISTRIBUTION PANEL
DWG	DRAWING
ELR	END-OF-LINE RESISTOR
EMERG, EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE/ENCLOSED
EPO	EMERGENCY POWER OFF
EQ	EQUAL
EQUIP	EQUIPMENT
(ERD)	EXISTING TO BE REMOVED
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPERES
ESD	EMERGENCY SHUTDOWN
EWC	ELECTRIC WATER COOLER
(E)	EXISTING
(ER)	EXISTING TO REMAIN
FLEX	FLEXIBLE
(F)	FUTURE
FVNR	FULL VOLTAGE NON-REVERSING
GND	GROUND
GALV	GALVANIZED
GRS	GALVANIZED RIGID STEEL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HD	HEAT DETECTOR
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HO	HIGH OUTPUT
HOA	HAND-OFF-AUTO
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HSP	HOUSE SERVICE PANEL
HV,HVP	HIGH VOLTAGE, HIGH VOLTAGE POWER
HZ	HERTZ
IC	INTERCOM
IMC	INTERMEDIATE METAL CONDUIT
ISC	INTERRUPTING SHORT CIRCUIT
IG	ISOLATED GROUND
INST	INSTANTANEOUS
JB	JUNCTION BOX
KAIC	KILO (THOUSAND) AMPERES INTERRUPTION CAPACITY
KCMIL	KILO (THOUSAND) CIRCULAR MILS
KV	KILO (THOUSAND) VOLTS
KVA	KILO (THOUSAND) VOLT-AMPERES
KW	KILO (THOUSAND) WATTS
KWH	KILO (THOUSAND) WATT-HOURS
LCP	LIGHTING CONTROL PANEL
LPS	LOW PRESSURE SODIUM
LTG	LIGHTING
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MFG	MANUFACTURING
MFR	MANUFACTURER
MECH	MECHANICAL
MH	MANHOLE, METAL HALIDE
MIC	MICROPHONE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG.HT.	MOUNTING HEIGHT
MSB	MAIN SWITCHBOARD
MSG	MAIN SWITCHGEAR
MV	MERCURY VAPOR
MVA	MEGA (MILLION) VOLT AMPERES
<N>	NEW
N	NEUTRAL
NC	NURSE CALL, NORMALLY CLOSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN, NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OH	OVERHEAD
P	POLE
PDU	POWER DISTRIBUTION UNIT
PNL	PANEL
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
P/I	PROVIDE AND INSTALL
PH, □	PHASE
PA	PUBLIC ADDRESS
PB	PUSHBUTTON
P&C	POWER & COMMUNICATION
<R>	REMOVED
<RE>	NEW LOCATION OF RELOCATED DEVICE
RCPT	RECEPTACLE
REQ'D	REQUIRED
<RL>	EXISTING TO BE RELOCATED
RGS	RIGID GALVANIZED STEEL CONDUIT
RS	RAPID START
SCA	SHORT CIRCUIT AVAILABLE
SEC	SECONDARY
SHT	SHEET
SN	SOLID NEUTRAL
SPECS	SPECIFICATIONS
STD	STANDARD
STP	SHIELDS TWISTED PAIR
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
TBD	TO BE DETERMINED
TCP	TEMPERATURE CONTROL PANEL
TD	TIME DELAY
TEL	TELEPHONE
TVSS	TRANSIENT VOLTAGE SURGE SUPRESSION
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPB	UNDERGROUND PULLBOX
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS
VA	VENDOR FURNISHED, CONTRACTOR INSTALLED
VFCI	VOLT-AMPERES
VFD	VARIABLE FREQUENCY DRIVE
VFVI	VENDOR FURNISHED, VENDOR INSTALLED
VFI	VACUUM FUSED INTERRUPTER
VP	VAPORPROOF
W	WATTS, WIRE
WH	WATER HEATER
WP	WEATHERPROOF
WT	WATERTIGHT
XFMR	TRANSFORMER
XLPE	CROSS-LINKED POLYETHYLENE
XP	EXPLOSION PROOF

MOUNTING HEIGHTS

MOUNTING HEIGHTS SHALL BE TO BOTTOM OF BOX, UNLESS OTHERWISE NOTED. WHERE BACK BOXES OF DIFFERENT SIZES ARE USED AND MOUNTED NEXT TO EACH OTHER OR ON THE SAME WALL, USE A COMMON CENTER LINE.

RECEPTACLES	18"	VOLUME CONTROLS	48"
RECEPTACLE WIREWAYS	43"	THERMOSTATS	48"
SWITCHES	48"	TELE/COMMUNICATION OUTLET	18"
MOTOR STARTERS, TO TOP	72"	PANELBOARDS, TO TOP	72"
DISCONNECTS, TO TOP	72"	CABINETS, TO TOP	72"
JUNCTION BOXES	15" MIN.	FIRE ALARM PULL STATIONS	48"

QUALITY ASSURANCE NOTES

1. FOLLOW AND ADHERE TO ALL MANUFACTURERS INSTALLATION INSTRUCTIONS.

2. ALL BACKFILL AND COMPACTION TESTING SHALL BE PERFORMED BY OWNER AND DOCUMENTATION PROVIDED TO OWNER OR HIS REPRESENTATIVE.

3. ALL ELECTRICAL TERMINATIONS SHALL BE TORQUED TO MANUFACTURERS' SPECIFICATIONS. WHERE THEY ARE NOT SPECIFIED, REFER TO UL STANDARDS 486A AND 486B. FINAL TORQUEING DOCUMENTATION SHALL BE PROVIDED TO OWNER OR HIS REPRESENTATIVE, WITH ONE OR THE OTHER IN WITNESS AT RANDOM TIMES.

4. LINE AND LOAD CONDUCTORS SHALL BE BRACED AND SUPPORTED (LASHED, HELD FIRMLY IN PLACE) IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S SPECIFICATIONS AND APPROVED INSTALLATION PRACTICES.

GENERAL NOTES

1. NOT USED.

2. THE CONTRACTOR SHALL MAKE AN EXAMINATION OF THE SITE AND COMPARE THE SITE WITH THE DRAWINGS AND SPECIFICATIONS AND SATISFY THEMSELVES AS TO CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL ASCERTAIN AND CHECK THE LOCATIONS OF ANY EXISTING STRUCTURES OR EQUIPMENT WHICH MAY AFFECT WORK THAT HAS TO BE PERFORMED, NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE IN CONTRACTOR'S BEHALF FOR ANY EXPENSE TO WHICH THE CONTRACTOR MAY BE PUT DUE TO FAILURE OR NEGLECT BY CONTRACTOR TO MAKE SUCH EXAMINATION.

3. REFER TO FUELING SYSTEM SHEETS FOR ADDITIONAL INFORMATION.

4. NOT USED.

5. NOTHING IN THE DRAWINGS OR SPECIFICATIONS IS INTENDED TO ALLOW A VIOLATION OF ELECTRICAL WORKING SPACE AROUND ELECTRICAL EQUIPMENT. ANY DEVIATION FROM THIS REQUIREMENT SHALL BE APPROVED, IN WRITING, BY THE ENGINEER. THE CONTRACTOR SHALL RELOCATE ANY EQUIPMENT IN VIOLATION OF THE ELECTRICAL CODE AT HIS OWN COST.

6. IDENTIFY EACH CONDUCTOR BY SHRINK-ON INDELIBLY MARKED BRADY-TAGS AND EACH ELECTRICAL ITEM BY BLACK-WHITE-BLACK ENGRAVED SCREW-ON PLASTIC NAMEPLATE, LEGEND PER DRAWING.

7. CONTRACTOR SHALL VERIFY THE CONDITION OF ANY AFFECTED EXISTING PANEL. DISCONNECT AND REMOVE ALL EXISTING UNUSED BRANCH CIRCUIT WIRING WHERE APPLICABLE. PANELBOARD SHALL BE CLEANED (DUST-FREE) AND RESTORED TO AS-NEW CONDITION PRIOR TO INSTALLATION OF NEW WORK. PROVIDE NECESSARY HARDWARE AND ACCESSORIES AS REQUIRED. COORDINATE WITH THE OWNER PRIOR TO CUT OVER WORK FOR APPROVED/SCHEDULED OCCURRENCES.

8. REFER TO THE DRAWINGS FOR LOCATIONS AND SPACE REQUIREMENTS OF ELECTRICAL EQUIPMENT. COORDINATE THE INSTALLATION OF ELECTRICAL EQUIPMENT WITH OTHER TRADES.

9. POWER FEEDERS MAY NOT BE SHOWN ON THE DRAWINGS. REFER TO THE SINGLE LINE DIAGRAM FOR FEEDER INFORMATION.

10. NOT USED.

11. RIGID METALLIC CONDUIT INSTALLED UNDERGROUND SHALL BE COATED WITH WATERPROOFING BLACK MASTIC BEFORE INSTALLATION, AND ALL JOINTS SHALL BE RECOATED AFTER INSTALLATION.

12. ELECTRICAL REQUIREMENTS SUCH AS CONDUIT ROUTING AND LOCATIONS OF ELECTRICAL DEVICES (RECEPTACLES, SWITCHES, FLOOR OUTLETS, CONDUIT STUBS, ETC.) SHOWN ON THESE PLANS ARE DIAGRAMMATIC AND SUBJECT TO VERIFICATION BY ELECTRICAL CONTRACTOR FOR THE INTERFACING OF THE ELECTRICAL WORK WITH THE INSTALLATION. CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO CLEAR THE OTHER FACILITIES EXCEPT AS SHOWN DIMENSIONED ON THE ARCHITECTURAL DRAWINGS OR AS APPROVED BY THE ARCHITECT.

13. ELECTRICAL CONTRACTOR SHALL PROVIDE REQUIRED TEMPORARY POWER DURING DURATION OF PROJECT, UNLESS OTHERWISE NOTED.

14. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS AND COORDINATE SCHEDULED LOCATIONS OF ELECTRICAL DEVICES.

GENERAL NOTES

15. ELECTRICAL EQUIPMENT SHOWN OR SPECIFIED FOR THIS PROJECT HAS BEEN GENERALLY SELECTED BASED ON DIMENSIONS TO FIT THE SPACE. THE CONTRACTOR SHALL VERIFY EQUIPMENT DIMENSIONS AND/OR ANY INTERFERENCES PRIOR TO ORDERING THE EQUIPMENT.

16. MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR SIZING, CIRCUIT BREAKER OR FUSE RATING OF ELECTRICALLY OPERATED EQUIPMENT MAY DIFFER FROM THOSE INDICATED ON DRAWINGS. CONTRACTOR SHALL CONFIRM RATINGS PRIOR TO ORDERING EQUIPMENT.

17. CONTRACTOR SHALL REVIEW THE MECHANICAL AND PLUMBING DRAWINGS, AND CONNECT ELECTRICALLY OPERATED EQUIPMENT UNLESS OTHERWISE NOTED. COORDINATE THE LOCATION AND ELECTRICAL CONNECTION REQUIREMENTS PRIOR TO ORDERING OF ELECTRICAL AND MECHANICAL EQUIPMENT.

18. CONTRACTOR SHALL REVIEW THE SECTIONS OF EACH DIVISION OF THE SPECIFICATION (WHERE APPROPRIATE) AND PROVIDE CONNECTIONS TO ELECTRICALLY OPERATED EQUIPMENT AS MAY BE SPECIFIED THEREIN.

19. ALL CONDUIT ONLY (CO) NOTED SHALL HAVE PULL ROPES OR WIRES INSTALLED, TENSILE STRENGTH MINIMUM OF 200 FT/LBS.

20. COORDINATE ALL UG PULLBOX LOCATIONS WITH THE CIVIL AND LANDSCAPE PLANS. REPORT AND RESOLVE ANY DISCREPANCIES PRIOR TO START OF WORK.

21. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL), AND SHALL BEAR THEIR LABEL. ALL CONTROL PANELS SHALL BE SO LISTED AS AN ASSEMBLY.

22. ELECTRICAL EQUIPMENT AND FEEDERS SHALL BE SUPPORTED AND/OR ANCHORED IN ACCORDANCE WITH SEISMIC REQUIREMENTS. DO NOT SUPPORT CONDUITS FROM MECHANICAL DUCTS, PLUMBING, PIPING, OR EQUIPMENT OF ANY KIND.

23. NOT USED.

24. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL, STRUCTURAL, AND OTHER DRAWINGS AND DOCUMENTATION RELATED TO THE PROJECT FOR ADDITIONAL WORK TO BE PROVIDED.

25. NOT USED.

26. ANY WORK INSTALLED INCORRECTLY, OR BEFORE APPROVAL HAS BEEN OFFICIALLY GRANTED FOR THOSE ITEMS AT ISSUE, SHALL BE CORRECTED BY THE ELECTRICAL CONTRACTOR AT NO CHARGE TO OWNER/ARCHITECT/CLIENT.

27. ALL MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR SHALL BE NEW AND COMPLETELY SERVICEABLE UNLESS OTHERWISE SPECIFIED.

28. CONTRACTOR SHALL COORDINATE ROUGH-IN AND FINAL CONNECTION REQUIREMENTS WITH THE OWNER, EQUIPMENT SUPPLIERS, GENERAL CONTRACTOR AND OTHER BUILDING TRADES BEFORE PROCEEDING WITH ANY FURTHER RELATED WORK. INSTALLATIONS SHALL BE IN FULL ACCORDANCE WITH EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND REQUIRED CODES. CONFLICTS AND INTERFERENCES SHALL BE RESOLVED IMMEDIATELY, BEFORE ANY INSTALLATION BEGINS.

29. NOT USED.

30. NOT USED.

31. NOT USED.

32. THE CONTRACTOR SHALL PROVIDE ALL FUSES AND OVERLOAD HEATER ELEMENTS REQUIRED FOR THIS CONTRACT INSTALLATION INCLUDING ANY FUSES BLOWN DURING INITIAL TESTING.

33. NOT USED.

34. CONDUIT AND WIRE SCHEDULE FOR NEW EQUIPMENT ARE GENERALLY INDICATIVE. CONTRACTOR SHALL REFER TO MANUFACTURER AND SUPPLIER OF EQUIPMENT FOR DETAILED WIRING DIAGRAM AND VERIFY THE EXACT ROUTING AND CONDUCTOR SIZE.

35. THE CONTRACTOR SHALL REFER TO MANUFACTURER AND SUPPLIER OF ELECTRICAL CONTROL EQUIPMENT FOR EXACT WIRING INTERCONNECTION.

36. ALL CONDUCTORS SHALL BE COPPER STRANDED, AND HAVE INSULATION TEMPERATURE RATING NOT LESS THAN 90deg C, UNLESS OTHERWISE NOTED THHN/THWN.

37. IDENTIFICATION OF UNGROUNDED CONDUCTORS IS REQUIRED FOR MULTIWIRE CIRCUITS:

SYSTEM	480Y/277V	208Y/120V	240/120V
PHASE A	BROWN	BLACK	BLACK
PHASE B	ORANGE	RED	ORANGE
PHASE C	YELLOW	BLUE	BLUE
NEUTRAL	GRAY	WHITE	WHITE
GROUND	GREEN	GREEN	GREEN

38. USE WIRE IDENTIFICATION COLOR CODE PER SPECIFICATIONS BELOW.

COLOR	DESCRIPTION
LT. BLUE	INTRINSICALLY SAFE CIRCUITS
GREEN	EQUIPMENT GROUNDING CONDUCTOR
YELLOW	CONTROL CIRCUITS SUPPLIED FROM EXTERNAL POWER SOURCE, INTERLOCKS

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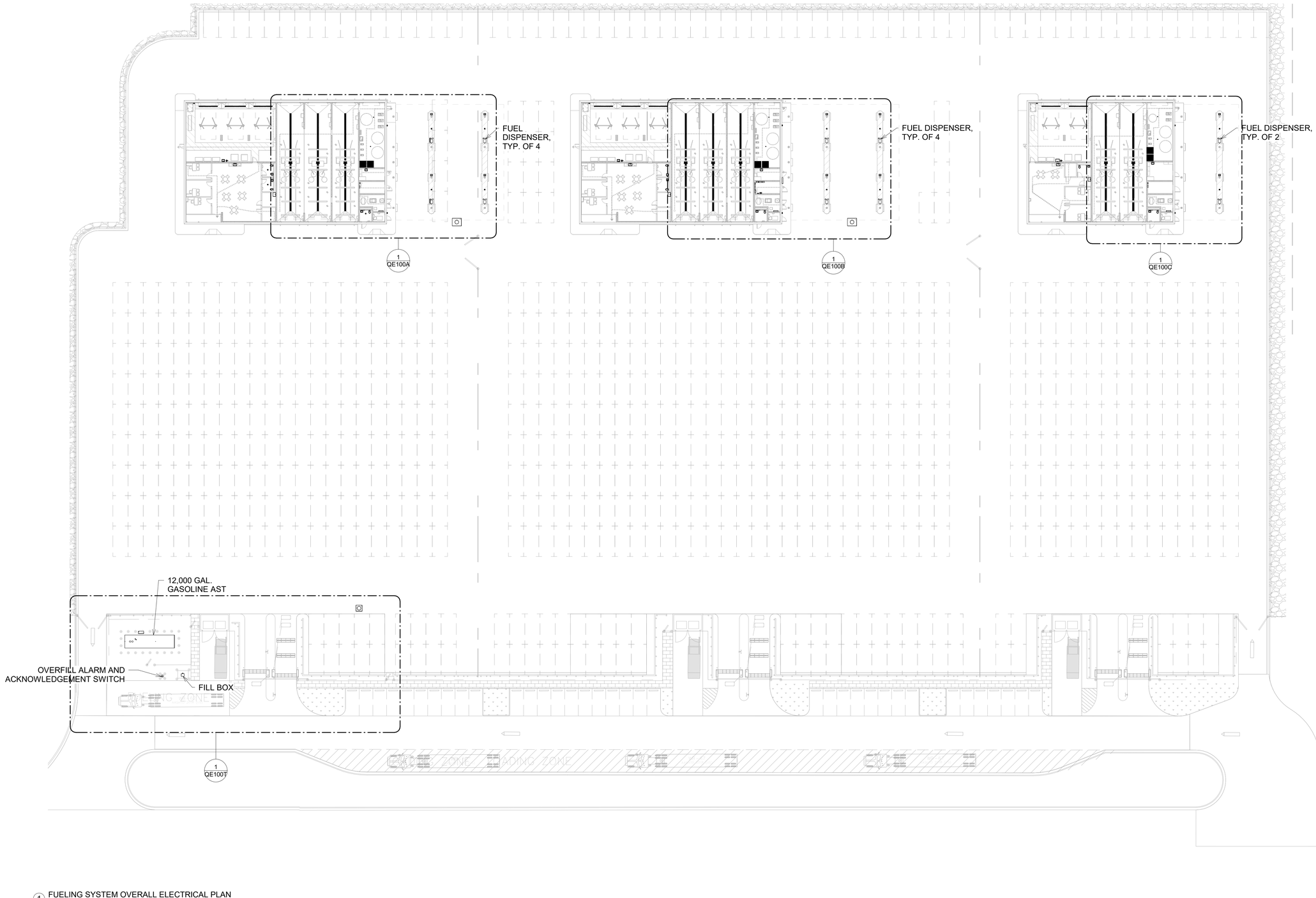
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EBENJAMIN LIUE
FL LICENSE NUMBER
X89965X

PROJECT NUMBER	DESIGNED BY	KD
144124059		
DATE	DRAWN BY	AB
JAN 2025		
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ELECTRICAL GENERAL NOTES AND ABBREVIATIONS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QE002



1 FUELING SYSTEM OVERALL ELECTRICAL PLAN
1" = 30'-0"

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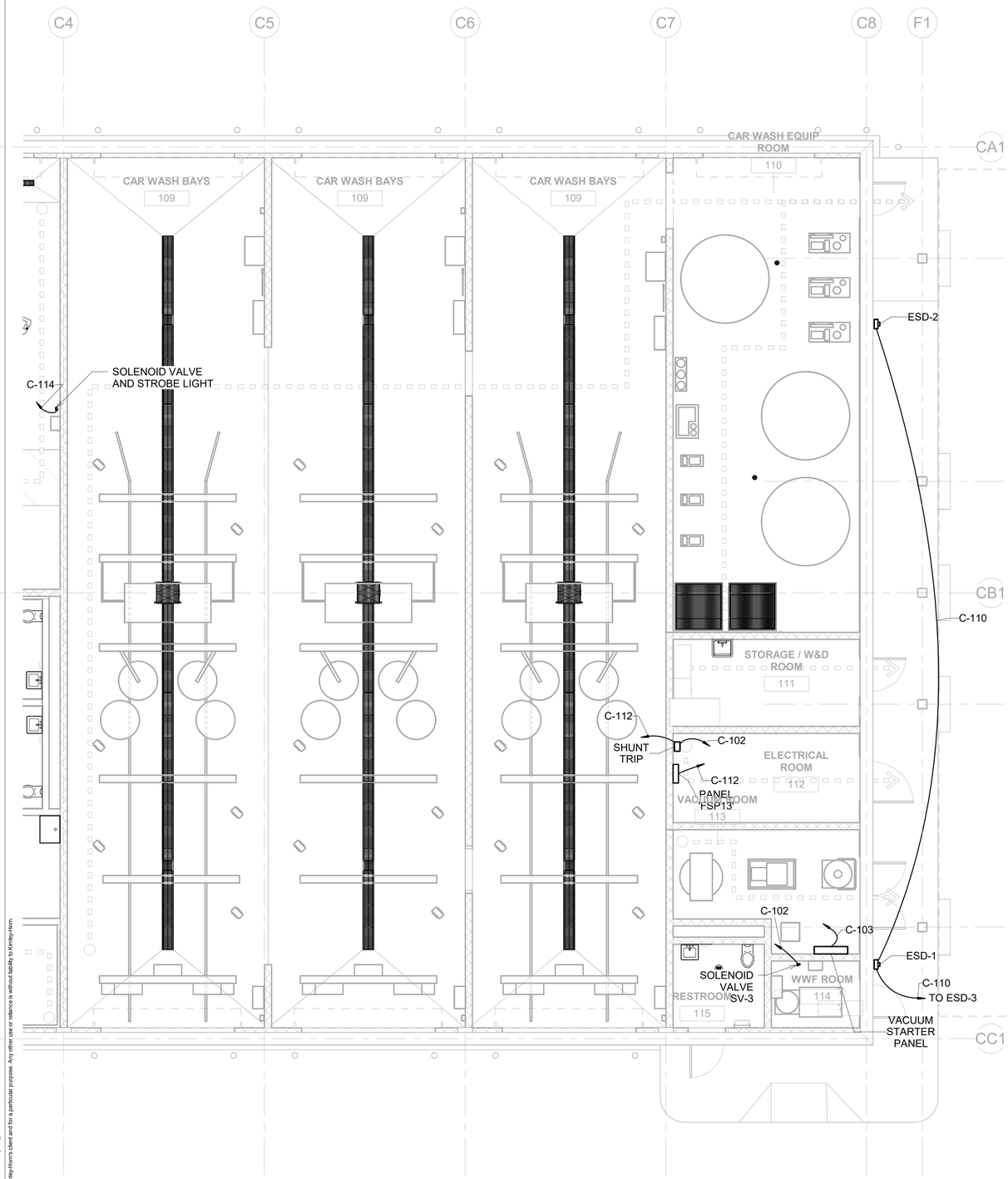
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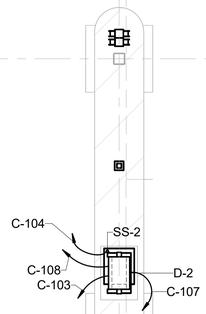
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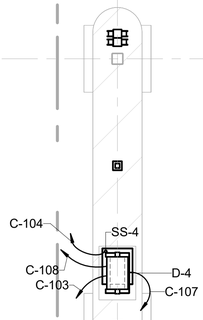
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PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

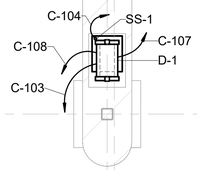
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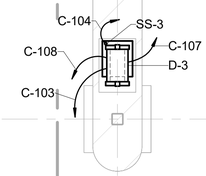
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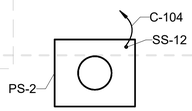


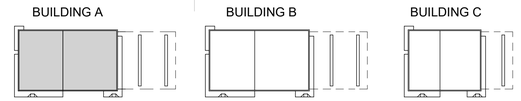












GENERAL NOTES

1. CLASS I, DIV 2 CLASSIFIED BOUNDARY AREA-20 FT. (6M) IN ANY DIRECTION HORIZONTALLY FROM ANY DISPENSER ENCLOSURE, AND 18IN. (0.5M) VERTICALLY WITHIN AREA (INCLUDING AT DISPENSER, ABOVE GRADE AND EXTERNAL TO ENCLOSURE ONLY).
   AREA WITHIN DISPENSER ENCLOSURE, BELOW GRADE SHALL BE CLASS I, DIV. 1. REFER TO SHEET QE704 DETAILS 1 AND 2.
   RIGID METAL CONDUIT IS REQUIRED.
   RIGID METALLIC CONDUIT INSTALLED UNDERGROUND SHALL BE COATED WITH WATERPROOFING BLACK MASTIC BEFORE INSTALLATION, AND ALL JOINTS SHALL BE RECOATED AFTER INSTALLATION.
2. REFER TO SHEET QE703 FOR FUEL SYSTEM MONITORING BLOCK DIAGRAM.
3. REFER TO SHEET QE701 FOR FUEL MANAGEMENT SYSTEM BLOCK DIAGRAM.
4. REFER TO PANEL SCHEDULE SHEET QE600.
5. SENSOR CIRCUITS ARE INTRINSICALLY SAFE (I.S.). MAINTAIN CIRCUIT SEPARATION AND COMPLY WITH REQUIREMENTS OF NEC 504.
6. REFER TO SHEETS QF600, QF601 & QF602 FOR EQUIPMENT SCHEDULE.
7. COMPRESSED AIR SOLENOID VALVE FOR WWF SYSTEM CONNECTED TO ESD RESET PANEL ERP-1.
8. SEE SHEET QE700 FOR VACUUM ESD INTERFACE.

SITE KEY

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1 FUELING SYSTEM QTA BUILDING A ELECTRICAL PLAN
3/16" = 1'-0"

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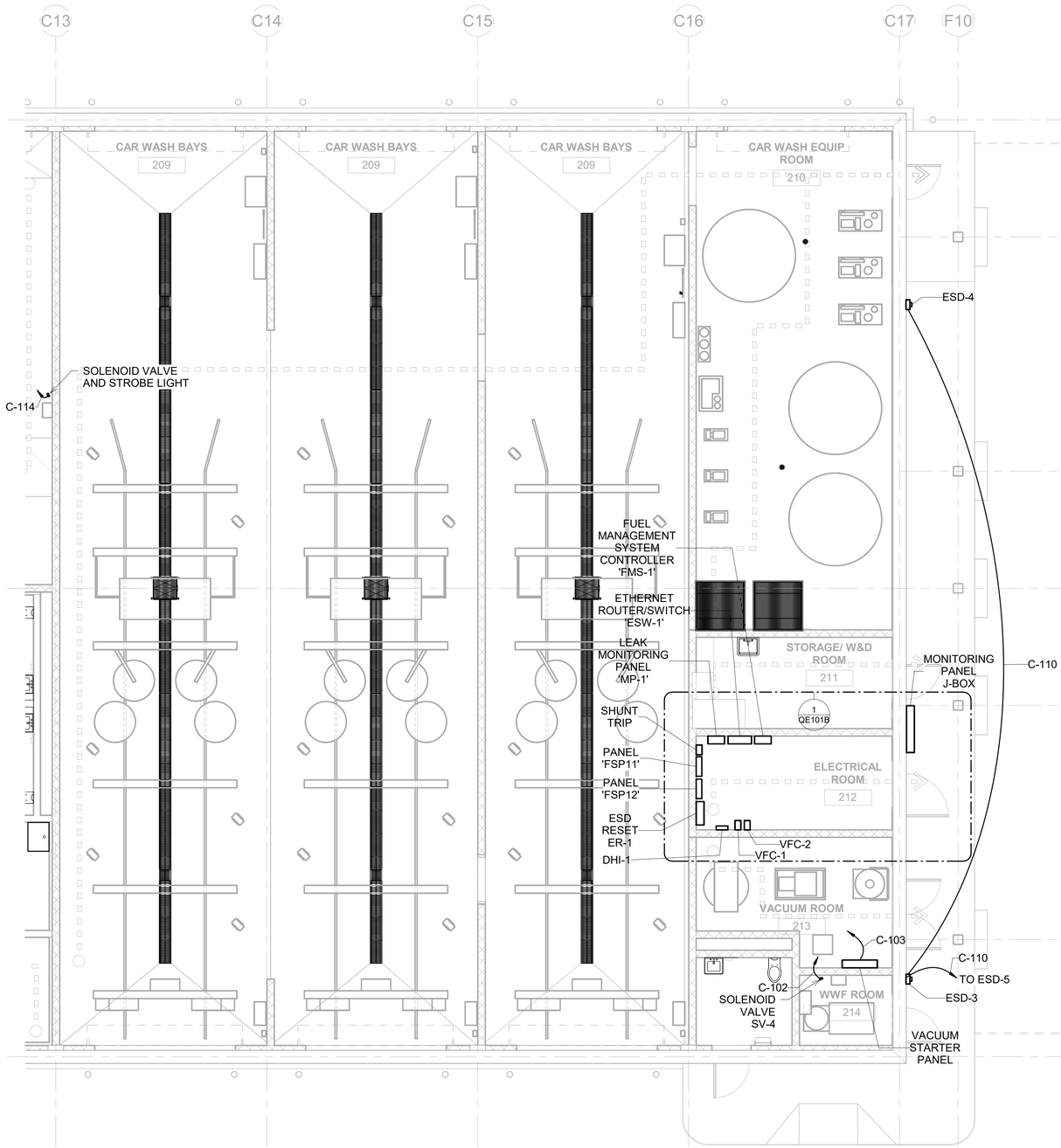
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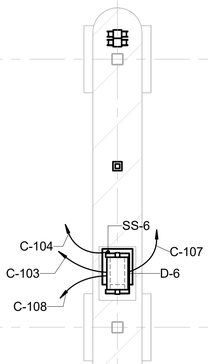
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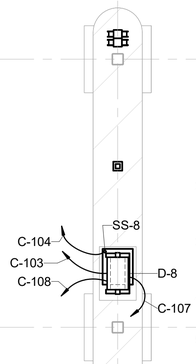
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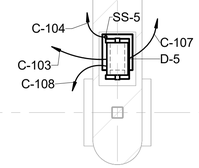
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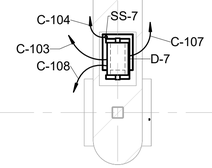
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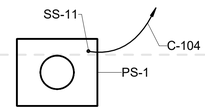


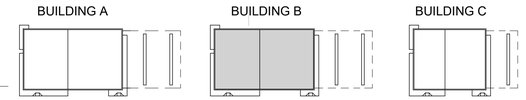












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1 FUELING SYSTEM QTA BUILDING B ELECTRICAL PLAN
3/16" = 1'-0"

GENERAL NOTES

1. CLASS I, DIV 2 CLASSIFIED BOUNDARY AREA-20 FT. (6M) IN ANY DIRECTION HORIZONTALLY FROM ANY DISPENSER ENCLOSURE, AND 18IN. (0.5M) VERTICALLY WITHIN AREA (INCLUDING AT DISPENSER, ABOVE GRADE AND EXTERNAL TO ENCLOSURE ONLY).
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   RIGID METALLIC CONDUIT INSTALLED UNDERGROUND SHALL BE COATED WITH WATERPROOFING BLACK MASTIC BEFORE INSTALLATION, AND ALL JOINTS SHALL BE RECOATED AFTER INSTALLATION.
2. REFER TO SHEET QE703 FOR FUEL SYSTEM MONITORING BLOCK DIAGRAM.
3. REFER TO SHEET QE701 FOR FUEL MANAGEMENT SYSTEM BLOCK DIAGRAM.
4. REFER TO PANEL SCHEDULE SHEET QE600.
5. SENSOR CIRCUITS ARE INTRINSICALLY SAFE (I.S.). MAINTAIN CIRCUIT SEPARATION AND COMPLY WITH REQUIREMENTS OF NEC 504.
6. REFER TO SHEETS QF600, QF601 & QF602 FOR EQUIPMENT SCHEDULE.
7. COMPRESSED AIR SOLENOID VALVE FOR WWF SYSTEM CONNECTED TO ESD RESET PANEL ERP-1.
8. SEE SHEET QE700 FOR VACUUM ESD INTERFACE.

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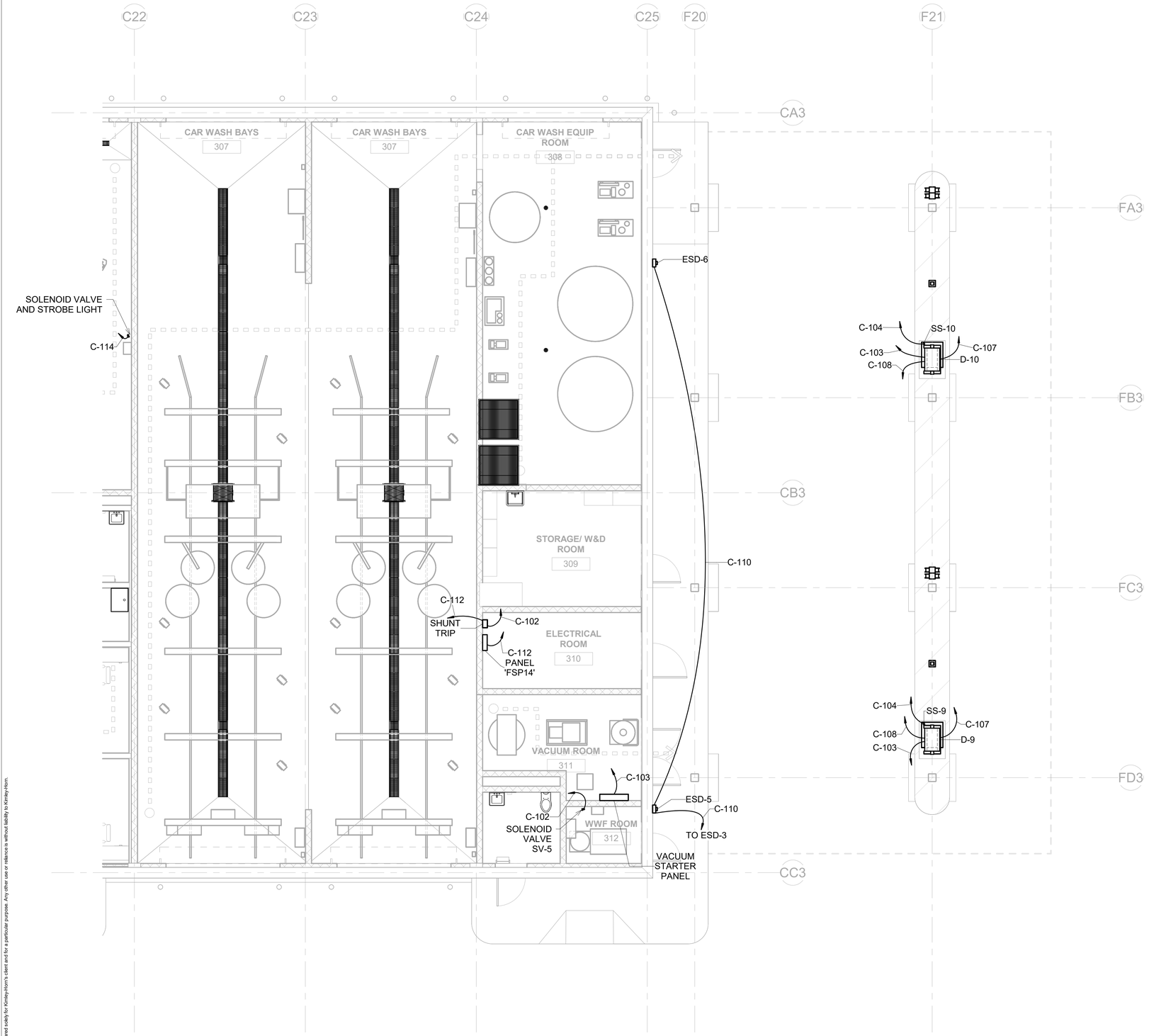
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FUELING SYSTEM QTA BUILDING B ELECTRICAL PLAN

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
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1 FUELING SYSTEM QTA BUILDING C ELECTRICAL PLAN
3/16" = 1'-0"

GENERAL NOTES

1. CLASS I, DIV 2 CLASSIFIED BOUNDARY AREA-20 FT. (6M) IN ANY DIRECTION HORIZONTALLY FROM ANY DISPENSER ENCLOSURE, AND 18IN. (0.5M) VERTICALLY WITHIN AREA (INCLUDING AT DISPENSER, ABOVE GRADE AND EXTERNAL TO ENCLOSURE ONLY).
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   RIGID METALLIC CONDUIT INSTALLED UNDERGROUND SHALL BE COATED WITH WATERPROOFING BLACK MASTIC BEFORE INSTALLATION, AND ALL JOINTS SHALL BE RECOATED AFTER INSTALLATION.
2. REFER TO SHEET QE703 FOR FUEL SYSTEM MONITORING BLOCK DIAGRAM.
3. REFER TO SHEET QE701 FOR FUEL MANAGEMENT SYSTEM BLOCK DIAGRAM.
4. REFER TO PANEL SCHEDULE SHEET QE600.
5. SENSOR CIRCUITS ARE INTRINSICALLY SAFE (I.S.). MAINTAIN CIRCUIT SEPARATION AND COMPLY WITH REQUIREMENTS OF NEC 504.
6. REFER TO SHEETS QF600, QF601 & QF602 FOR EQUIPMENT SCHEDULE.
7. COMPRESSED AIR SOLENOID VALVE FOR WWF SYSTEM CONNECTED TO ESD RESET PANEL ERP-1.
8. SEE SHEET QE700 FOR VACUUM ESD INTERFACE.

BUILDING A BUILDING B BUILDING C

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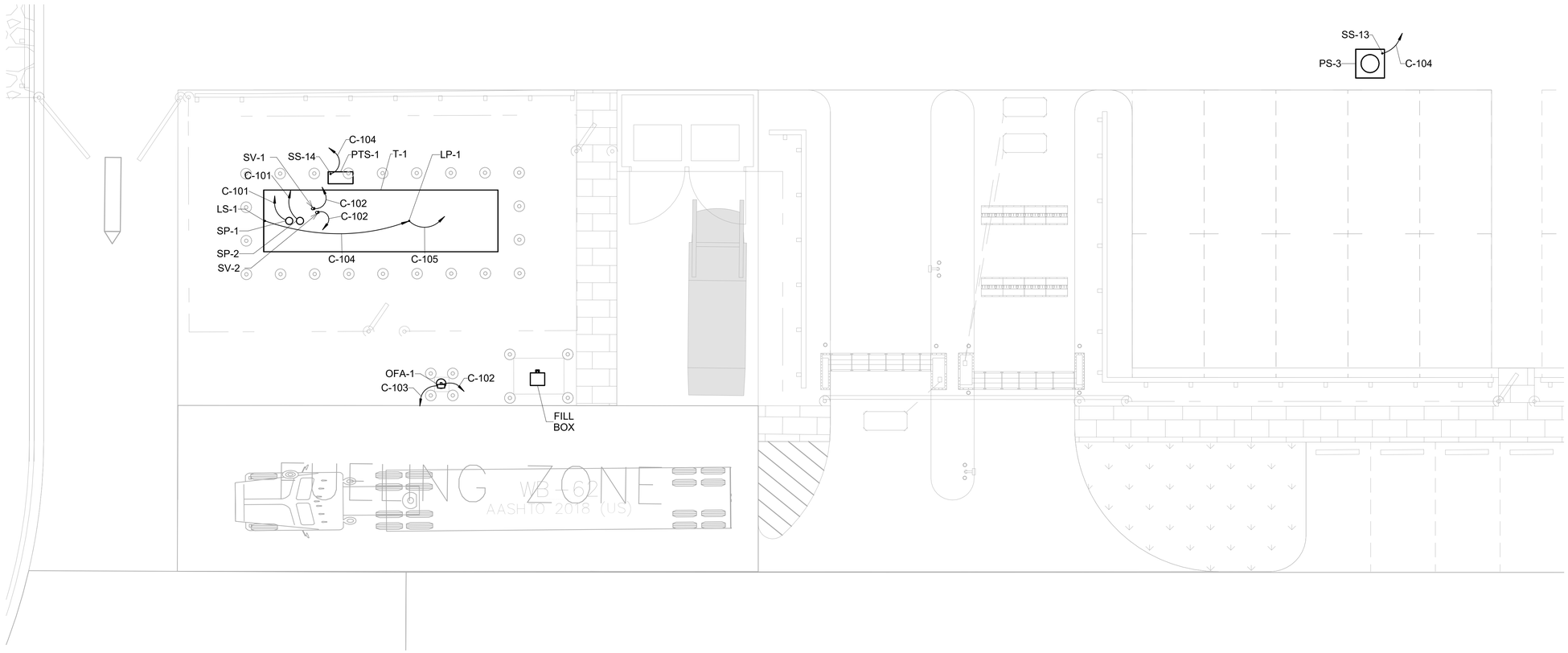
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FUELING SYSTEM QTA BUILDING C ELECTRICAL PLAN

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

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1 FUELING SYSTEM TANK AREA ELECTRICAL PLAN
1/8" = 1'-0"

GENERAL NOTES

1. CLASS I, DIV 2 CLASSIFIED BOUNDARY AREA - 10 FT. (3M) IN ANY DIRECTION HORIZONTALLY FROM TANK. REFER TO SHEET QE704 DETAILS 1 AND 2. RIGID METAL CONDUIT IS REQUIRED. RIGID METALLIC CONDUIT INSTALLED UNDERGROUND SHALL BE COATED WITH WATERPROOFING BLACK MASTIC BEFORE INSTALLATION, AND ALL JOINTS SHALL BE RECOATED AFTER INSTALLATION.
2. REFER TO SHEET QE703 FOR FUEL SYSTEM MONITORING BLOCK DIAGRAM.
3. REFER TO SHEET QE701 FOR FUEL MANAGEMENT SYSTEM BLOCK DIAGRAM.
4. REFER TO PANEL SCHEDULE SHEET QE600.
5. SENSOR CIRCUITS ARE INTRINSICALLY SAFE (I.S.), MAINTAIN CIRCUIT SEPARATION AND COMPLY WITH REQUIREMENTS OF NEC 504.
6. REFER TO SHEETS QF600, QF601 AND QF602 FOR EQUIPMENT SCHEDULE.
7. TANK SHALL BE BONDED WITH #4AWG BARE COPPER WIRE TO TWO GROUND RODS AT OPPOSITE ENDS. THESE GROUND RODS SHALL BE AS PER NEC 250.52(A)(5).

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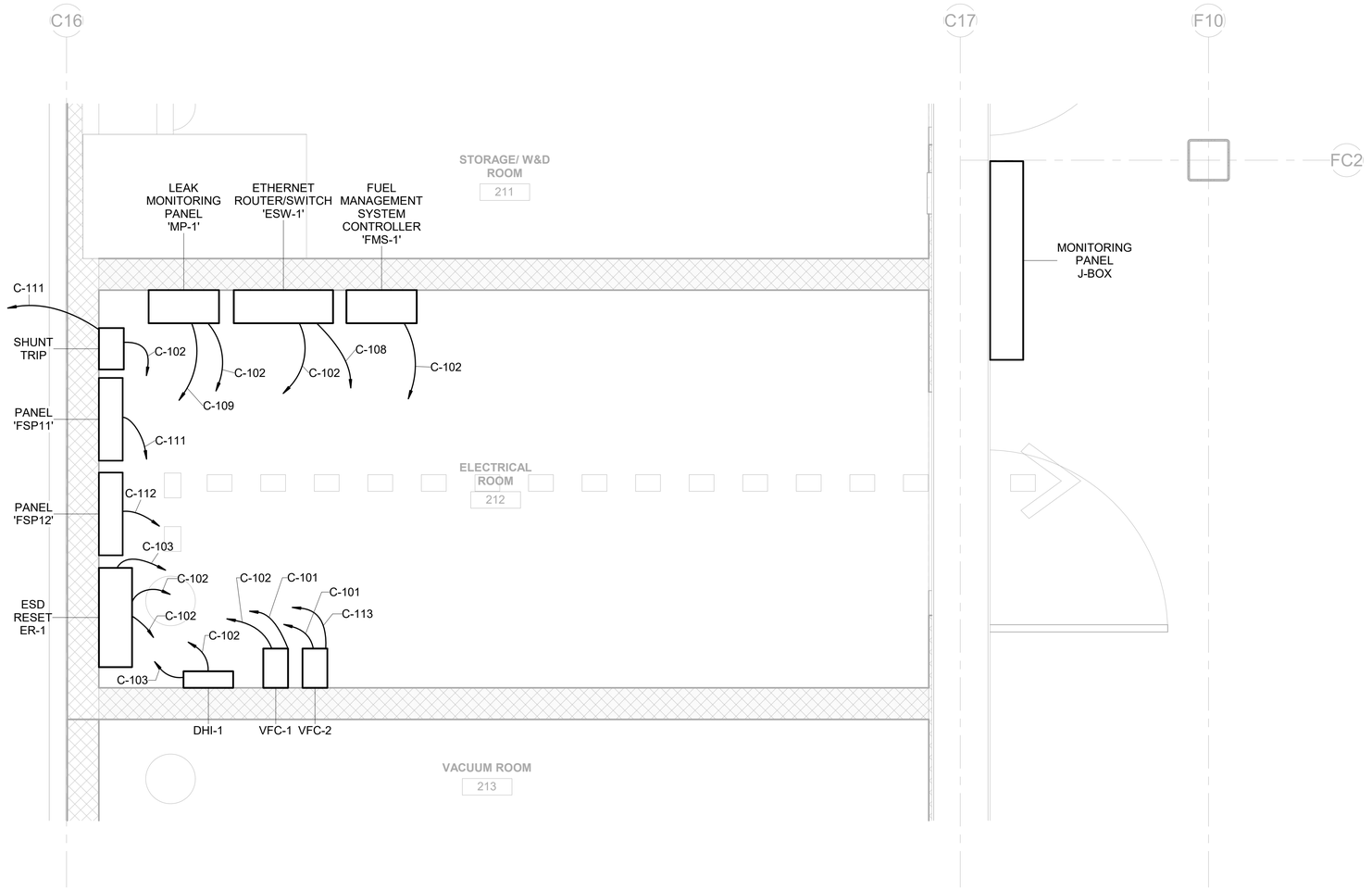
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DATE: JAN 2025			
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FUELING SYSTEM TANK AREA ELECTRICAL PLAN

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

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1 FUELING SYSTEM QTA BUILDING B ELECTRICAL ROOM PLAN
3/4" = 1'-0"

BUILDING A BUILDING B BUILDING C

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EBENJAMIN LIUE
FL LICENSE NUMBER
X89965X

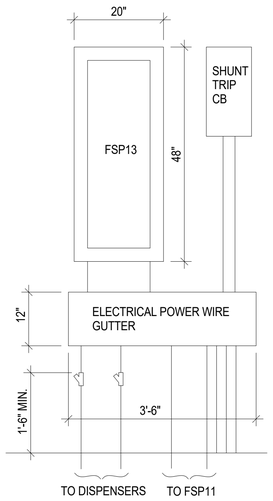
PROJECT NUMBER	144124059
DATE	JAN 2025
	3/4" = 1'-0"
DESIGNED BY	KD
DRAWN BY	AB
CHECKED BY	BE

FUELING SYSTEM QTA BUILDING B ELECTRICAL ROOM PLAN

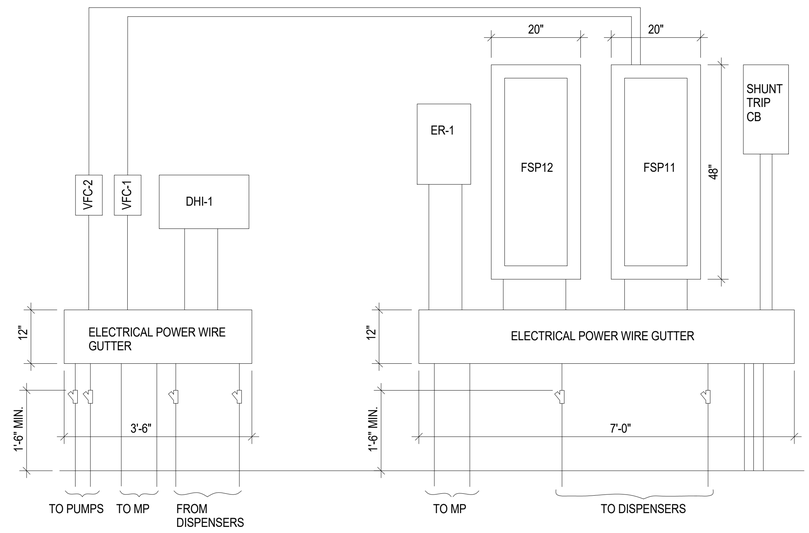
QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
QE101B

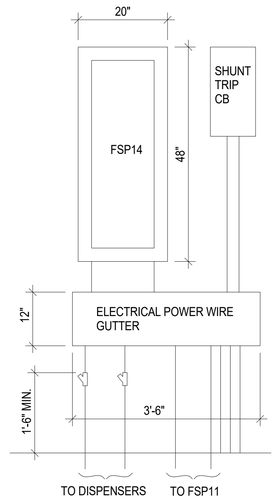
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1 QTA BUILDING A ELECTRICAL ROOM ELEVATION DETAIL
NTS



2 QTA BUILDING B ELECTRICAL ROOM ELEVATION DETAIL
NTS



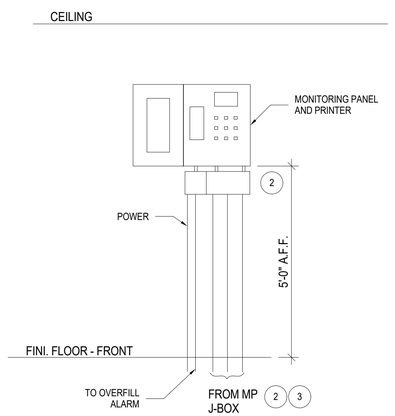
3 QTA BUILDING C ELECTRICAL ROOM ELEVATION DETAIL
NTS

GENERAL NOTES

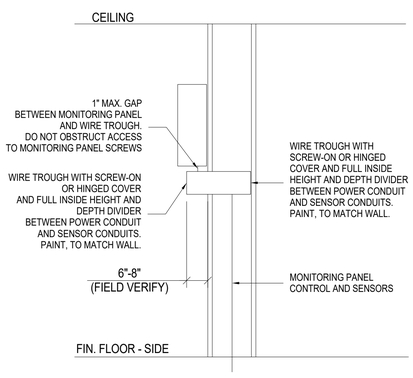
1 REFER TO SHEETS QFS600, QFS601 AND QFS602 FOR EQUIPMENT SCHEDULE.

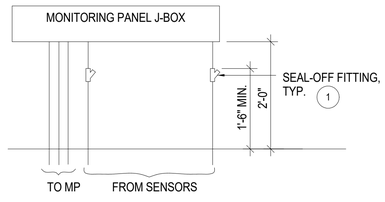
KEYNOTES

1. POUR SEAL-OFF FITTINGS ONLY AFTER SUCCESSFUL CONTINUITY AND MEGGER TESTING AND VALIDATION OF STARTUP COMPONENTS.
2. SENSOR CIRCUITS ARE INTRINSICALLY SAFE (I.S.) MAINTAIN CIRCUIT SEPARATION AND COMPLY WITH THE REQUIREMENTS OF SECTION 504 OF THE N.E.C.
3. ALL SENSOR CONDUITS SHALL BE ROUTED THROUGH MONITORING PANEL J-BOX. SEE SHEET Q1QE4121 FOR J-BOX LOCATON.

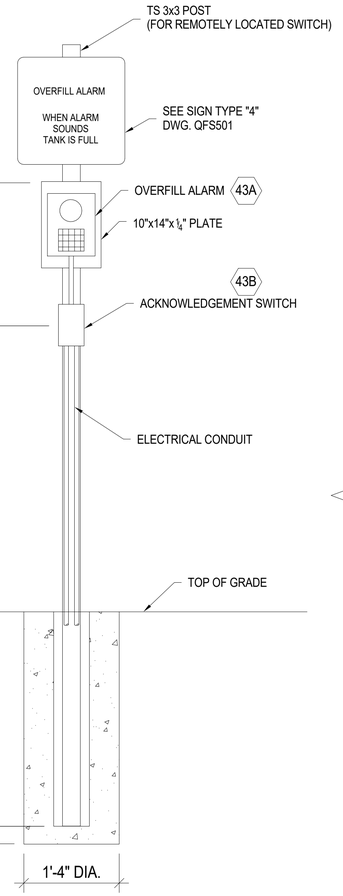


4 LEAK MONITORING CONSOLE DETAIL
NTS

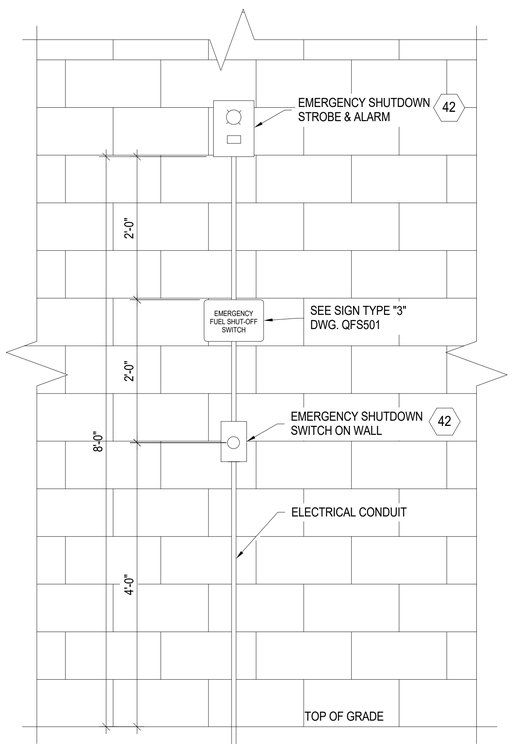




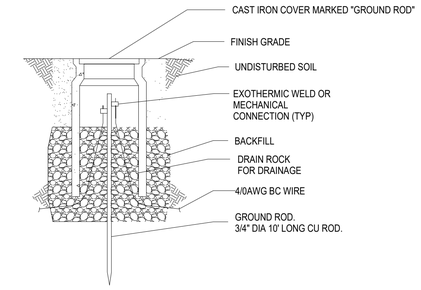
5 LEAK MONITORING CONSOLE J-BOX DETAIL
NTS



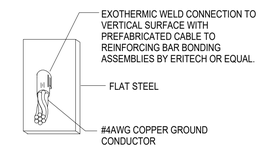
6 OVERFILL ALARM AND ACKNOWLEDGMENT SWITCH DETAIL
NTS



7 EMERGENCY SHUT-OFF SWITCH DETAIL
NTS



8 GROUND ROD WELL DETAIL
NTS



9 GROUND CABLE TO FLAT STEEL DETAIL
NTS

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LICENSED PROFESSIONAL
EBENJAMIN LIUE
FL LICENSE NUMBER
X69965X

PROJECT NUMBER	DESIGNED BY	KD
144124059		
DATE	DRAWN BY	AB
JAN 2025		
As Indicated	CHECKED BY	BE

ELECTRICAL DETAILS

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QE500

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Branch Panel: FSP11

Location: ELECTRICAL ROOM 212
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 225 A
MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	SUBMERSIBLE PUMP 'SP-1' (4 HP)	30 A	3	1800...	1800...					3	30 A	SUBMERSIBLE PUMP 'SP-2' (4 HP)	2
3	--	--	--			1800...	1800...			--	--	--	4
5	--	--	--					1800...	1800...	--	--	--	6
7	SHUNT TRIP CONTROL - 'FSP11'	20 A	1	300 VA	756 VA					1	20 A	DISPENSER D-5	8
9	SHUNT TRIP CONTROL - 'FSP13'	20 A	1			300 VA	--			1	--	N	10
11	SHUNT TRIP CONTROL - 'FSP14'	20 A	1					300 VA	756 VA	1	20 A	DISPENSER D-6	12
13	ESD LOOP	20 A	1	300 VA	--					1	--	N	14
15	CONTROL POWER FOR RELAY 'MP-1'	20 A	1			500 VA	756 VA			1	20 A	DISPENSER D-7	16
17	ETHERNET ROUTER/SWITCH 'ESW-1'	20 A	1					300 VA	--	1	--	N	18
19	N	--	1	--	756 VA					1	20 A	DISPENSER D-8	20
21	DISPENSER HOOK ISOLATION 'DHI-1'	20 A	1			300 VA	--			1	--	N	22
23	SOLENOID VALVE 'SV-4'	20 A	1					100 VA					24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	5712 VA		5456 VA		5056 VA					
			Total Amps:	48 A		46 A		42 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Motor	5400 VA	125.00%	6750 VA		
Other	10824 VA	100.00%	10824 VA	**Total Conn. Load:**	16224 VA
				Total Est. Demand:	17574 VA
				Total Conn.:	45 A
				Total Est. Demand:	49 A

Notes:

Branch Panel: FSP12

Location: ELECTRICAL ROOM 212
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 50 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	MONITORING PANEL 'MP-1'	20 A	1	500 VA	1000...					1	20 A	FUEL MANAGEMENT CONTROLLER 'FMS-1'	2
3	OVERFILL ALARM 'OFA-1'	20 A	1			300 VA	300 VA			1	20 A	ESD RESET PANEL 'ER-1'	4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	1500 VA		600 VA		0 VA					
			Total Amps:	13 A		6 A		0 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	2100 VA	100.00%	2100 VA		
				Total Conn. Load:	2100 VA
				Total Est. Demand:	2100 VA
				Total Conn.:	6 A
				Total Est. Demand:	6 A

Notes:

Branch Panel: FSP13

Location: ELECTRICAL ROOM 112
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	N	--	1	--	756 VA					1	20 A	DISPENSER D-2	2
3	DISPENSER D-1	20 A	1			756 VA	--			1	--	N	4
5	SOLENOID VALVE 'SV-3'	20 A	1					100 VA	756 VA	1	20 A	DISPENSER D-4	6
7	N	--	1	--	--					1	--	N	8
9	DISPENSER D-3	20 A	1			756 VA							10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	756 VA		1512 VA		856 VA					
			Total Amps:	6 A		13 A		7 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	3124 VA	100.00%	3124 VA		
				Total Conn. Load:	3124 VA
				Total Est. Demand:	3124 VA
				Total Conn.:	9 A
				Total Est. Demand:	9 A

Notes:

Branch Panel: FSP14

Location: ELECTRICAL ROOM 310
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 100 A
MCB Rating: 1 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	N	--	1	--	756 VA					1	20 A	DISPENSER D-10	2
3	DISPENSER D-9	20 A	1			756 VA	--			1	--	N	4
5	SOLENOID VALVE 'SV-5'	20 A	1					100 VA					6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
			Total Load:	756 VA		756 VA		100 VA					
			Total Amps:	7 A		7 A		1 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	1612 VA	100.00%	1612 VA		
				Total Conn. Load:	1612 VA
				Total Est. Demand:	1612 VA
				Total Conn.:	4 A
				Total Est. Demand:	4 A

Notes:

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FUELING SYSTEM ELECTRICAL PANEL SCHEDULES

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QE600

ELECTRICAL CONDUIT SCHEDULE					
CONDUIT ID	CONDUIT SIZE	WIRE DESCRIPTION 1	WIRE DESCRIPTION 2	CONDUIT FROM	CONDUIT TO
C-101	1"	3#8, 1#10 GND		SUBMERSIBLE PUMP 'SP-1'	VFC-1 CONTROLLER
C-101	1"	3#8, 1#10 GND		SUBMERSIBLE PUMP 'SP-2'	VFC-2 CONTROLLER
C-101	1"	3#8, 1#10 GND		VFC-1	FSP11
C-101	1"	3#8, 1#10 GND		VFC-2	FSP11
C-102	3/4"	2#12, 1#12 GND		DHI-1	FSP11
C-102	3/4"	2#12, 1#12 GND		ESD LOOP	FSP11
C-102	3/4"	2#12, 1#12 GND		ESD RESET PANEL ER-1	FSP12
C-102	3/4"	2#12, 1#12 GND		ETHERNET ROUTER/SWITCH ESW-1	FSP11
C-102	3/4"	2#12, 1#12 GND		FMS-1	FSP12
C-102	3/4"	2#12, 1#12 GND		MONITORING PANEL MP-1 (CONTROL POWER)	FSP11
C-102	3/4"	2#12, 1#12 GND		OFA-1	FSP12
C-102	3/4"	2#12, 1#12 GND		SHUNT TRIP CONTROL FSP11	FSP11 VIA ESD RESET PANEL ER-1
C-102	3/4"	2#12, 1#12 GND		SHUNT TRIP CONTROL FSP13	FSP11 VIA ESD RESET PANEL ER-1
C-102	3/4"	2#12, 1#12 GND		SHUNT TRIP CONTROL FSP14	FSP11 VIA ESD RESET PANEL ER-1
C-102	3/4"	2#12, 1#12 GND		SOLENOID VALVE SV-1	MONITORING PANEL MP-1 VIA VFC-1
C-102	3/4"	2#12, 1#12 GND		SOLENOID VALVE SV-2	MONITORING PANEL MP-1 VIA VFC-2
C-102	3/4"	2#12, 1#12 GND		SOLENOID VALVE SV-3	FSP13
C-102	3/4"	2#12, 1#12 GND		SOLENOID VALVE SV-4	FSP11
C-102	3/4"	2#12, 1#12 GND		SOLENOID VALVE SV-5	FSP14
C-102	3/4"	2#12, 1#12 GND		VFC-1	MONITORING PANEL MP-1
C-103	3/4"	2#12 CONTROL		D-1	DHI-1
C-103	3/4"	2#12 CONTROL		D-2	DHI-1
C-103	3/4"	2#12 CONTROL		D-3	DHI-1
C-103	3/4"	2#12 CONTROL		D-4	DHI-1
C-103	3/4"	2#12 CONTROL		D-5	DHI-1
C-103	3/4"	2#12 CONTROL		D-6	DHI-1
C-103	3/4"	2#12 CONTROL		D-7	DHI-1
C-103	3/4"	2#12 CONTROL		D-8	DHI-1
C-103	3/4"	2#12 CONTROL		D-9	DHI-1
C-103	3/4"	2#12 CONTROL		D-10	DHI-1
C-103	3/4"	2#12 CONTROL		DHI-1	MONITORING PANEL MP-1
C-103	3/4"	2#12 CONTROL		ESD RESET PANEL ER-1	MONITORING PANEL MP-1
C-103	3/4"	2#12 CONTROL		OFA-1	MONITORING PANEL MP-1
C-103	3/4"	2#12 CONTROL		VACUUM STARTER PANEL - BLDG 'A'	ESD RESET PANEL ER-1
C-103	3/4"	2#12 CONTROL		VACUUM STARTER PANEL - BLDG 'B'	ESD RESET PANEL ER-1
C-103	3/4"	2#12 CONTROL		VACUUM STARTER PANEL - BLDG 'C'	ESD RESET PANEL ER-1
C-104	3/4"	1-ALPHA #58411		LS-1	LP-1
C-104	3/4"	1-ALPHA #58411		SS-1	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-2	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-3	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-4	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-5	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-6	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-7	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-8	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-9	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-10	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-11	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-12	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-13	MONITORING PANEL J-BOX
C-104	3/4"	1-ALPHA #58411		SS-14	MONITORING PANEL J-BOX
C-105	1"	1-ALPHA #58411, 1-BELDEN #88760		LP-1	MONITORING PANEL J-BOX
C-107	3/4"	2#10, 1#12 GND		D-1	FSP13
C-107	3/4"	2#10, 1#12 GND		D-2	FSP13
C-107	3/4"	2#10, 1#12 GND		D-3	FSP13
C-107	3/4"	2#10, 1#12 GND		D-4	FSP13
C-107	3/4"	2#10, 1#12 GND		D-5	FSP11
C-107	3/4"	2#10, 1#12 GND		D-6	FSP11
C-107	3/4"	2#10, 1#12 GND		D-7	FSP11
C-107	3/4"	2#10, 1#12 GND		D-8	FSP11
C-107	3/4"	2#10, 1#12 GND		D-9	FSP14
C-107	3/4"	2#10, 1#12 GND		D-10	FSP14
C-108	1"	CAT 6		D-1	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		D-2	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		D-3	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		D-4	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		D-5	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		D-6	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		D-7	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		D-8	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		D-9	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		D-10	ETHERNET SWITCH ESW-1
C-108	1"	CAT 6		ETHERNET ROUTER/SWITCH ESW-1	FMS-1
C-109	3/4"	2#12, 2#12 GND (I.S.)		MONITORING PANEL MP-1	FSP12
C-110	1"	4#12, 1#12 GND		ESD LOOP	ESD RESET PANEL ER-1
C-111	2 1/2"	4#250, 1#4 GND		FSP11	SHUNT TRIP BREAKER
C-111	2 1/2"	4#250, 1#4 GND		SHUNT TRIP BREAKER	BUILDING 'B' NEW DISTRIBUTION PANEL CIRCUIT BREAKER
C-112	1 1/4"	4#2, 1#8 GND		FSP12	BUILDING 'B' NEW DISTRIBUTION PANEL CIRCUIT BREAKER
C-112	1 1/4"	4#2, 1#8 GND		FSP13	SHUNT TRIP BREAKER
C-112	1 1/4"	4#2, 1#8 GND		FSP14	SHUNT TRIP BREAKER
C-112	1 1/4"	4#2, 1#8 GND		SHUNT TRIP BREAKER	BUILDING 'A' NEW DISTRIBUTION PANEL CIRCUIT BREAKER
C-112	1 1/4"	4#2, 1#8 GND		SHUNT TRIP BREAKER	BUILDING 'C' NEW DISTRIBUTION PANEL CIRCUIT BREAKER
C-113	3/4"	1-BELDEN #3106A, 2#14		VFC-2	VFC-1
C-114	1/2"	4#14		REMOTE SOLENOID VALVE, STROBE LIGHT	TANK LEVEL MONITOR - BUILDING 'A'
C-114	1/2"	4#14		REMOTE SOLENOID VALVE, STROBE LIGHT	TANK LEVEL MONITOR - BUILDING 'B'
C-114	1/2"	4#14		REMOTE SOLENOID VALVE, STROBE LIGHT	TANK LEVEL MONITOR - BUILDING 'C'

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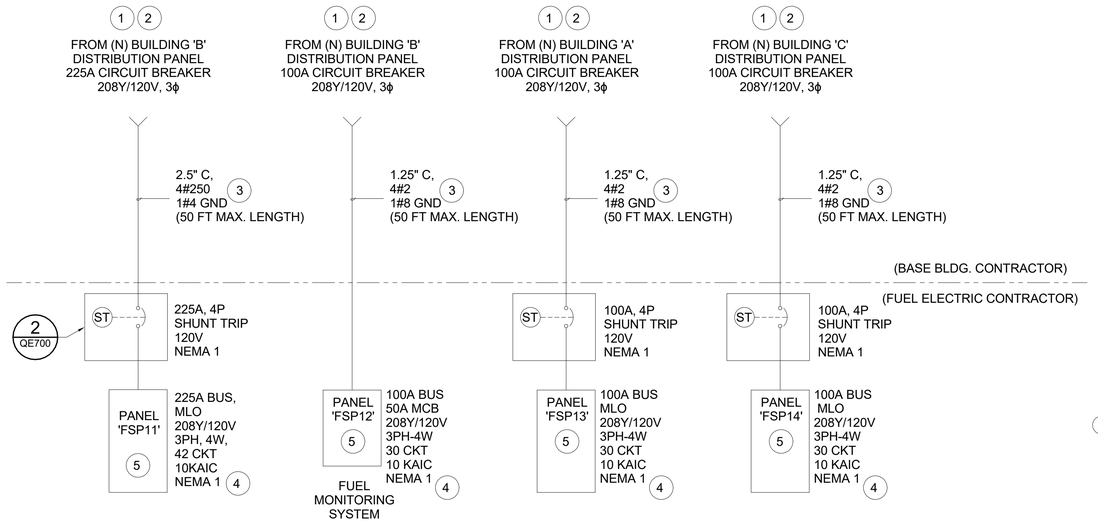
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EBENJAMIN LUE
FL LICENSE NUMBER
X89965X

PROJECT NUMBER	DESIGNED BY	KD
144124059		
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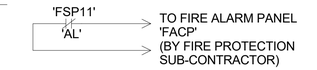
FUELING SYSTEM ELECTRICAL CONDUIT SCHEDULE

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
QE601

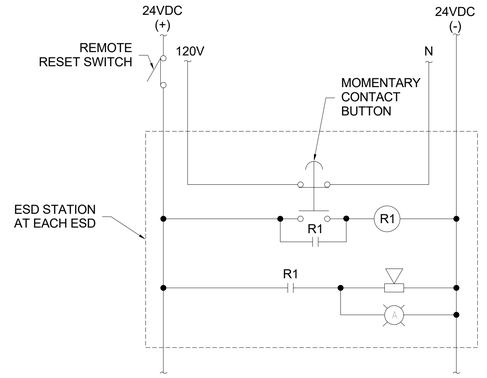


1 ELECTRICAL ONE-LINE DIAGRAM
NTS

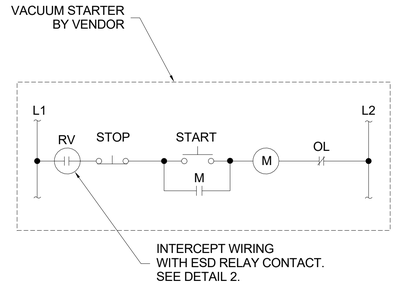


* ALARM NC CONTACTS ACTIVATED TO OPEN ONLY WHEN CIRCUIT BREAKER HAS TRIPPED SEE DETAIL 2

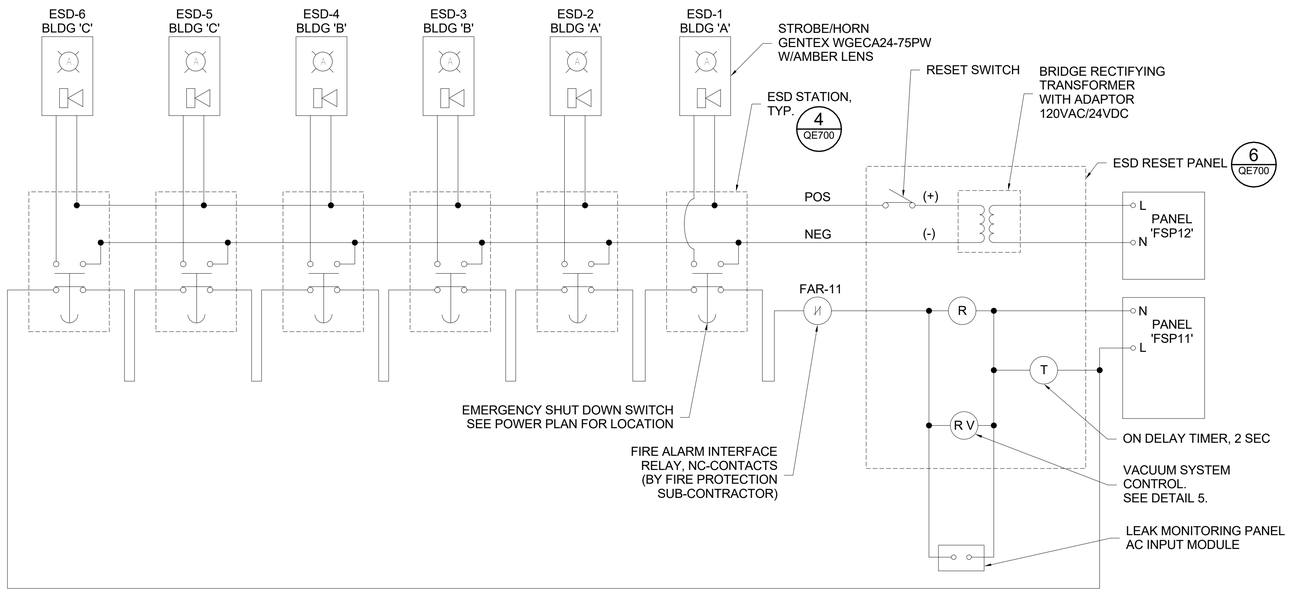
3 ESD TO FIRE ALARM INTERFACE DIAGRAM
NTS

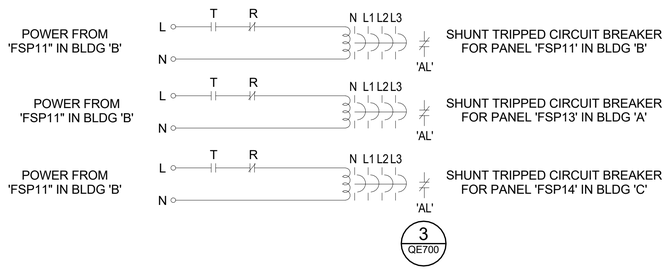


4 ESD STATION DIAGRAM
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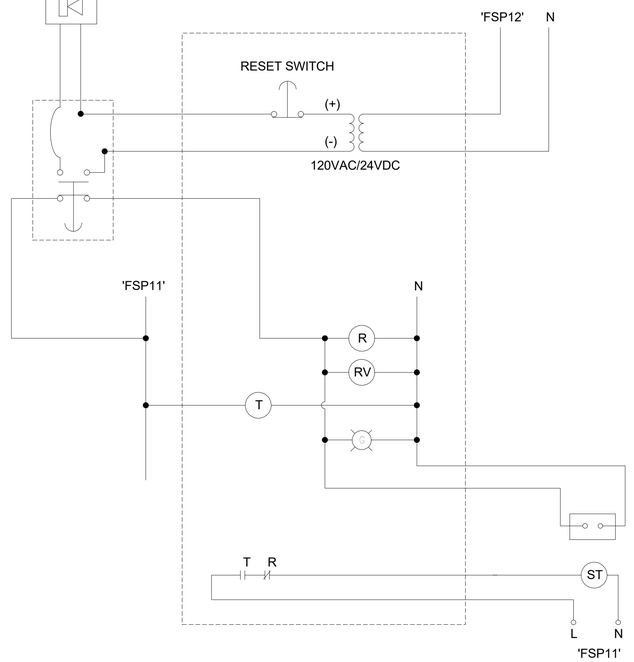


5 ESD CONTROL FOR VACUUM SYSTEM DIAGRAM
NTS





2 ESD WIRING DIAGRAM
NTS



6 ESD CONTROL RESET PANEL DIAGRAM
NTS

NOT FOR CONSTRUCTION

LEGEND

(N) - NEW

(E) - EXISTING

(I.S.) - INTRINSICALLY SAFE CIRCUIT

KEYNOTES

1. VERIFY AND COORDINATE DISTANCE BETWEEN CONNECTION POINTS. COORDINATE EQUIPMENT AND PULL BOX LOCATIONS, UNDERGROUND CONDUIT RUNS, WIRING & CONDUIT SIZE REQUIREMENTS.
2. COORDINATE AVAILABLE FAULT CURRENT RATING WITH THE RATING OF FUELING SYSTEM DISTRIBUTION EQUIPMENT. 10KAIC MAXIMUM.
3. ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.
4. PANELBOARD SHALL HAVE A MINIMUM SHORT CIRCUIT CURRENT RATING EQUAL TO UPSTREAM EQUIPMENT AND BE GREATER THAN AVAILABLE FAULT CURRENT.
5. REFER TO PANEL SCHEDULE ON SHEET Q1QE625.

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FL LICENSE NUMBER
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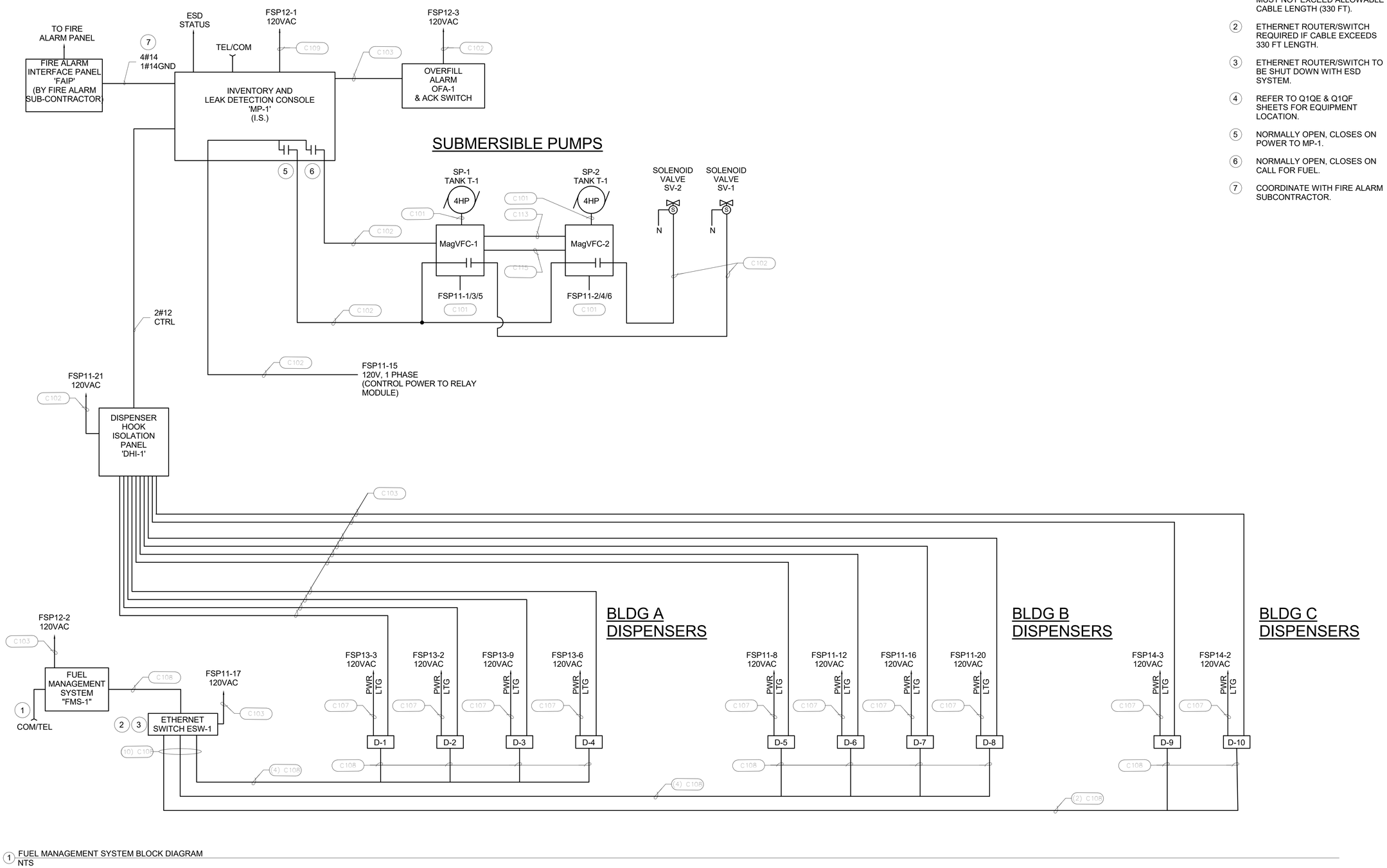
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ELECTRICAL ONE-LINE DIAGRAMS

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
FLORIDA

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QE700

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1 FUEL MANAGEMENT SYSTEM BLOCK DIAGRAM
NTS

KEYNOTES

1. ETHERNET COMMUNICATION MUST NOT EXCEED ALLOWABLE CABLE LENGTH (330 FT).
2. ETHERNET ROUTER/SWITCH REQUIRED IF CABLE EXCEEDS 330 FT LENGTH.
3. ETHERNET ROUTER/SWITCH TO BE SHUT DOWN WITH ESD SYSTEM.
4. REFER TO Q1QE & Q1QF SHEETS FOR EQUIPMENT LOCATION.
5. NORMALLY OPEN, CLOSES ON POWER TO MP-1.
6. NORMALLY OPEN, CLOSES ON CALL FOR FUEL.
7. COORDINATE WITH FIRE ALARM SUBCONTRACTOR.

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LICENSED PROFESSIONAL
EBENJAMIN LIUE
FL LICENSE NUMBER
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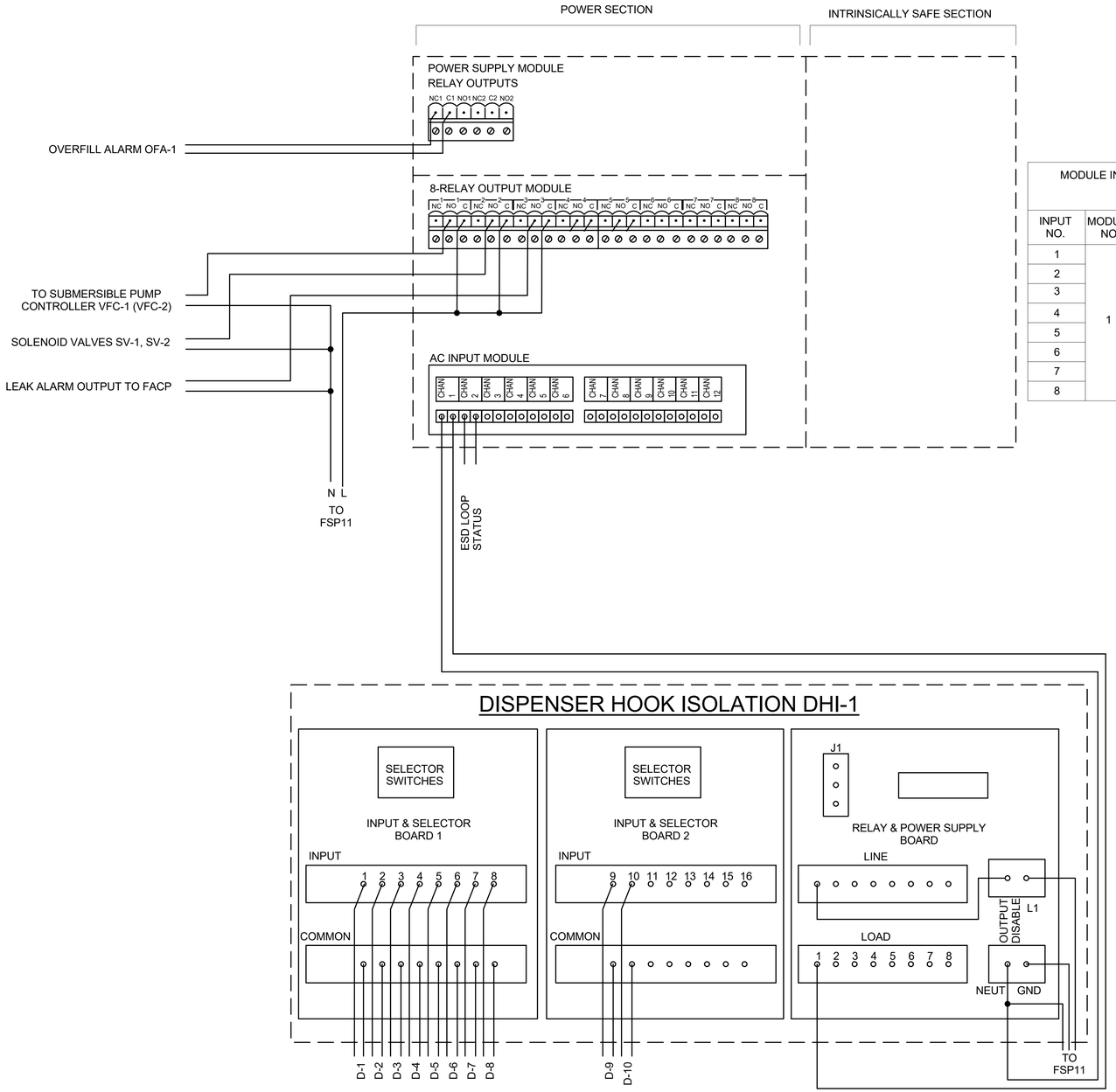
FUEL MANAGEMENT SYSTEM BLOCK DIAGRAM

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
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INVENTORY AND LEAK DETECTION CONSOLE MP-1



MODULE INPUT			MODULE INPUT			MODULE OUTPUT	
INPUT NO.	MODULE NO.	OUTPUT NO.	INPUT NO.	MODULE NO.	OUTPUT NO.	OUTPUT NO.	DESCRIPTION
1	1	1	9	2	1	1	MONITORING PNL 'MP-1'
2		1	10		1	2	
3		1	11			3	
4		1	12			4	
5		1	13			5	
6		1	14			6	
7		1	15			7	
8		1	16			8	

1 PUMPS CONTROL BLOCK DIAGRAM
NTS

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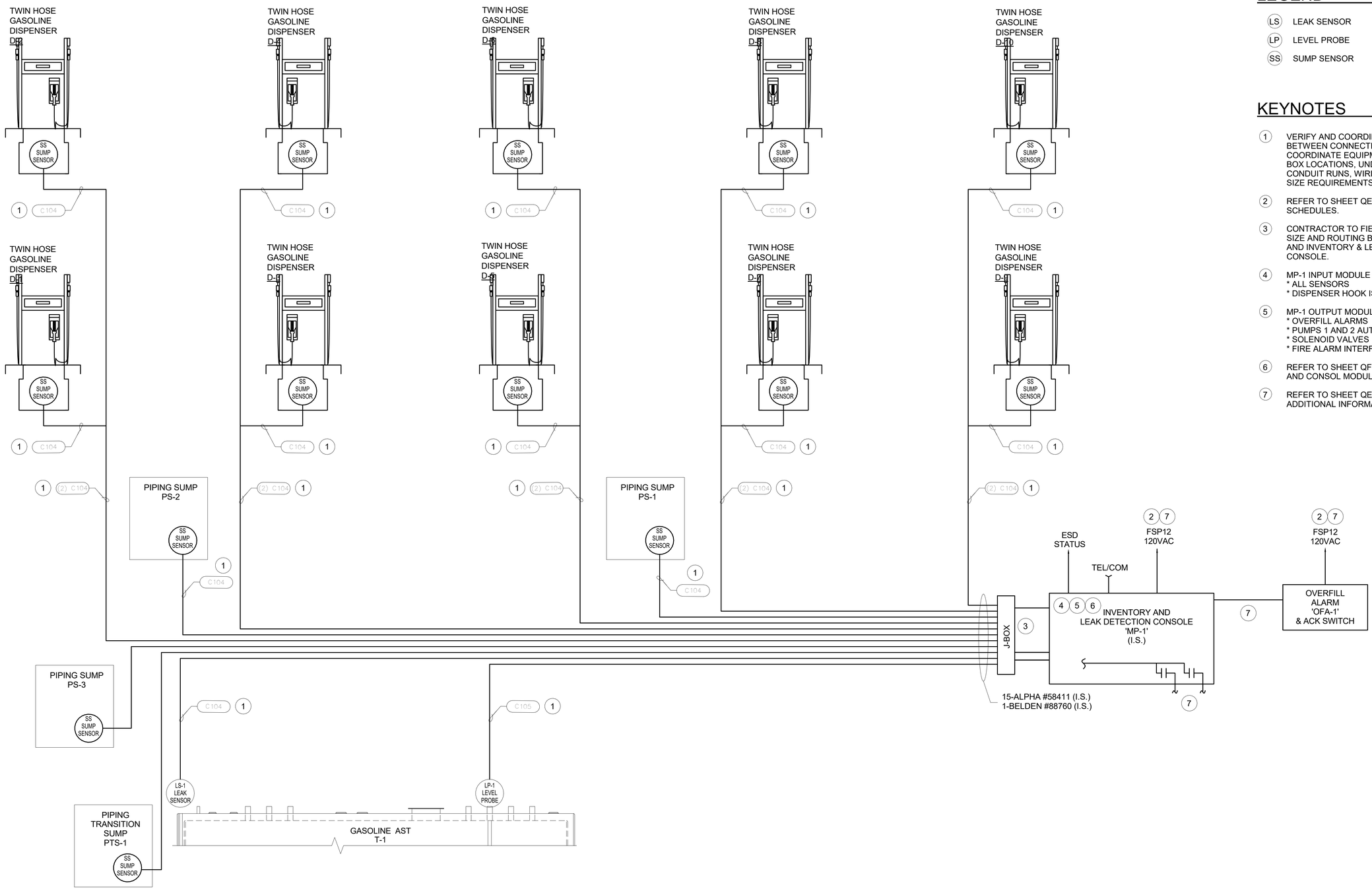
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PUMPS CONTROL BLOCK DIAGRAM

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QE702



1 LEAK DETECTION AND TANK MONITOR BLOCK DIAGRAM
NTS

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LEGEND

- (LS) LEAK SENSOR
- (LP) LEVEL PROBE
- (SS) SUMP SENSOR

KEYNOTES

1. VERIFY AND COORDINATE DISTANCE BETWEEN CONNECTION POINTS. COORDINATE EQUIPMENT AND PULL BOX LOCATIONS, UNDERGROUND CONDUIT RUNS, WIRING & CONDUIT SIZE REQUIREMENTS.
2. REFER TO SHEET QE600 FOR PANEL SCHEDULES.
3. CONTRACTOR TO FIELD FIT CONDUIT SIZE AND ROUTING BETWEEN J-BOX AND INVENTORY & LEAK DETECTION CONSOLE.
4. MP-1 INPUT MODULE SIGNALS
   * ALL SENSORS
   * DISPENSER HOOK ISOLATION PANEL
5. MP-1 OUTPUT MODULE SIGNALS
   * OVERFILL ALARMS
   * PUMPS 1 AND 2 AUTHORIZATION
   * SOLENOID VALVES
   * FIRE ALARM INTERFACE PANEL (FAIP)
6. REFER TO SHEET QFS602 FOR SENSOR AND CONSOL MODULE SCHEDULE.
7. REFER TO SHEET QE701 FOR ADDITIONAL INFORMATION.

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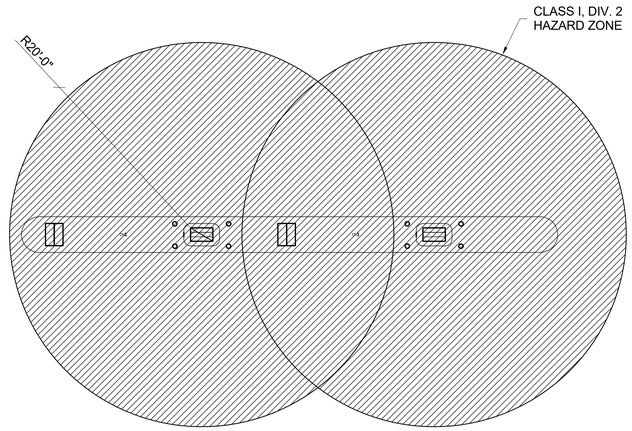
LEAK DETECTION AND TANK MONITOR BLOCK DIAGRAM

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

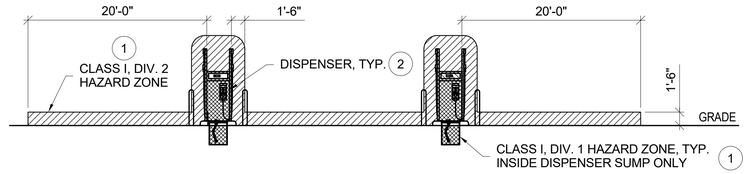
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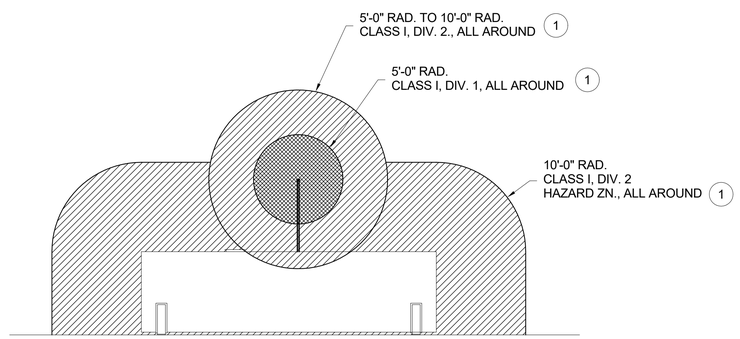
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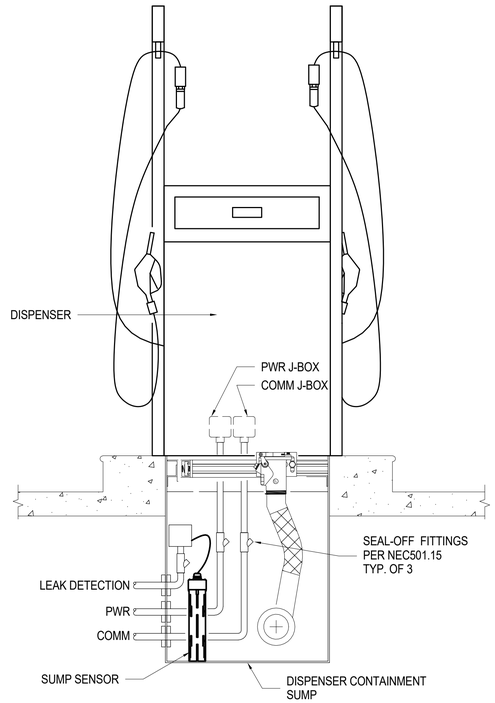
1 FUEL ISLAND AREA CLASSIFICATION PLAN
NTS



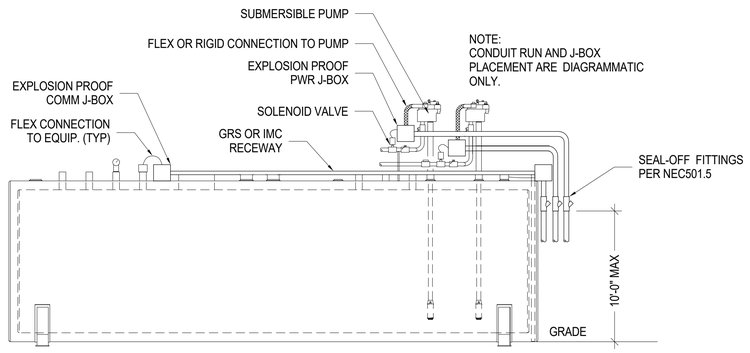
2 FUEL ISLAND AREA CLASSIFICATION ELEVATION
NTS



3 AST AREA CLASSIFICATION ELEVATION
NTS



5 SEAL-OFF PLACEMENT AT DISPENSER, TYP.
NTS



6 SEAL-OFF PLACEMENT AT AST TANK
NTS

LEGEND

CLASS I, DIV. 1

CLASS I, DIV. 2

KEYNOTES

1. ALL RACEWAYS IN CLASS I, DIVISION 1 OR 2 LOCATIONS SHALL BE THREADED RIGID METAL CONDUIT AND SHALL BE EXTENDED TO THE FIRST POINT OF CONNECTION AFTER LEAVING THE BOUNDARIES OF THE DEFINED CLASS I LOCATION. CONDUIT SEALS SHALL BE PROVIDED IN ACCORDANCE WITH NEC 501.15.
   GREEN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH PHASE AND GROUNDED CONDUCTOR. CONDUIT SHALL NOT BE USED AS SOLE MEANS OF EQUIPMENT GROUNDING. FOR OTHER CONDUIT RUNS IN NON-CLASSIFIED LOCATION ANY NEC APPROVED METHOD CAN BE USED.
2. CLASSIFIED AREAS ADJACENT TO DISPENSERS AS DETAILED IN TABLE 8.3.2, NFPA 30A, 2018

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BLYMYER ENGINEERS
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LICENSED PROFESSIONAL
EBENJAMIN LIUE
FL LICENSE NUMBER
X89965X

PROJECT NUMBER 144124059
DATE JAN 2025
As indicated
DESIGNED BY KD
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AREA CLASSIFICATION DIAGRAM

QUICK - TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE
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FUELING SYSTEM DESCRIPTION

DESCRIPTION:

1. THE FUELING SYSTEM IS A COMMON SYSTEM AND CONSISTS OF:
   - 1.1. 1-12,000 GALLON ABOVEGROUND GASOLINE DOUBLE-WALLED FUEL TANK.
   - 1.2. DOUBLE WALLED UNDERGROUND PIPING.
   - 1.3. 8 TWIN HOSE DISPENSERS.
   - 1.4. FUEL INVENTORY AND LEAK MONITORING SYSTEM.
   - 1.5. FUEL MANAGEMENT SYSTEM.
2. THERE IS ONE UNDERGROUND LINE FED FROM MASTER/SALVE PUMP CONFIGURATION.
3. THE INVENTORY AND LEAK MANAGEMENT SYSTEM MONITORS THE SYSTEM FOR LEAKS AND WILL TERMINATE THE SIGNAL FROM THE DISPENSERS TO THE PUMP WHEN A LEAK IS DETECTED AND GENERATE A TROUBLE SIGNAL.

NORMAL OPERATION:

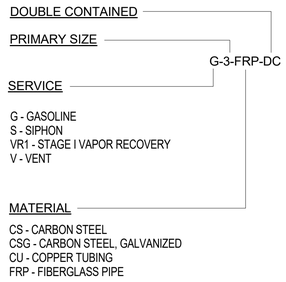
1. A PROXIMITY CARD IS USED TO AUTHORIZE THE DISPENSER THROUGH THE FUEL MANAGEMENT SYSTEM.
2. ONCE AUTHORIZED THE HANDLE IS LIFTED TO RESET THE METER AND SEND A SIGNAL TO THE FUEL PUMP(S) TO START.
3. PLACE THE NOZZLE IN THE VEHICLE FUEL TANK.
4. WAIT FOR 3-4 SECONDS THEN SQUEEZE THE HANDLE TO DISPENSE FUEL.
5. ONCE FUELING IS COMPETE RETURN NOZZLE TO DISPENSER.

EMERGENCY SHUT DOWN.

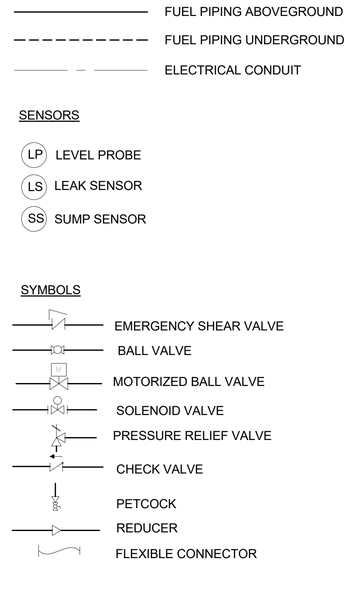
1. THE FUEL SYSTEM HAS TWO EMERGENCY SHUTDOWN BUTTONS LOCATED ON EITHER END OF THE EACH FUELING AREA.
2. WHEN AN EMERGENCY SHUTDOWN SWITCH IS ACTIVATED THE POWER PANEL FEEDING THE PUMPS AND DISPENSER WILL BE SHUNT TRIPPED.
3. THE EMERGENCY SWITCH THAT WAS ACTIVATED WILL BOTH SOUND AND ALARM AND TURN ON A STROBE LIGHT.
4. TO RESET THE SYSTEM AND SILENCE THE ALARM THERE IS A RESET PANEL WITH A THREE WAY SWITCH FOR ALARM SILENCE, RESET/START SYSTEM, AND NORMAL OPERATION.

PIPING LEGEND

LINE DESIGNATION



SYMBOLS



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GREGORY MAZUR
FL LICENSE NUMBER
X61134X

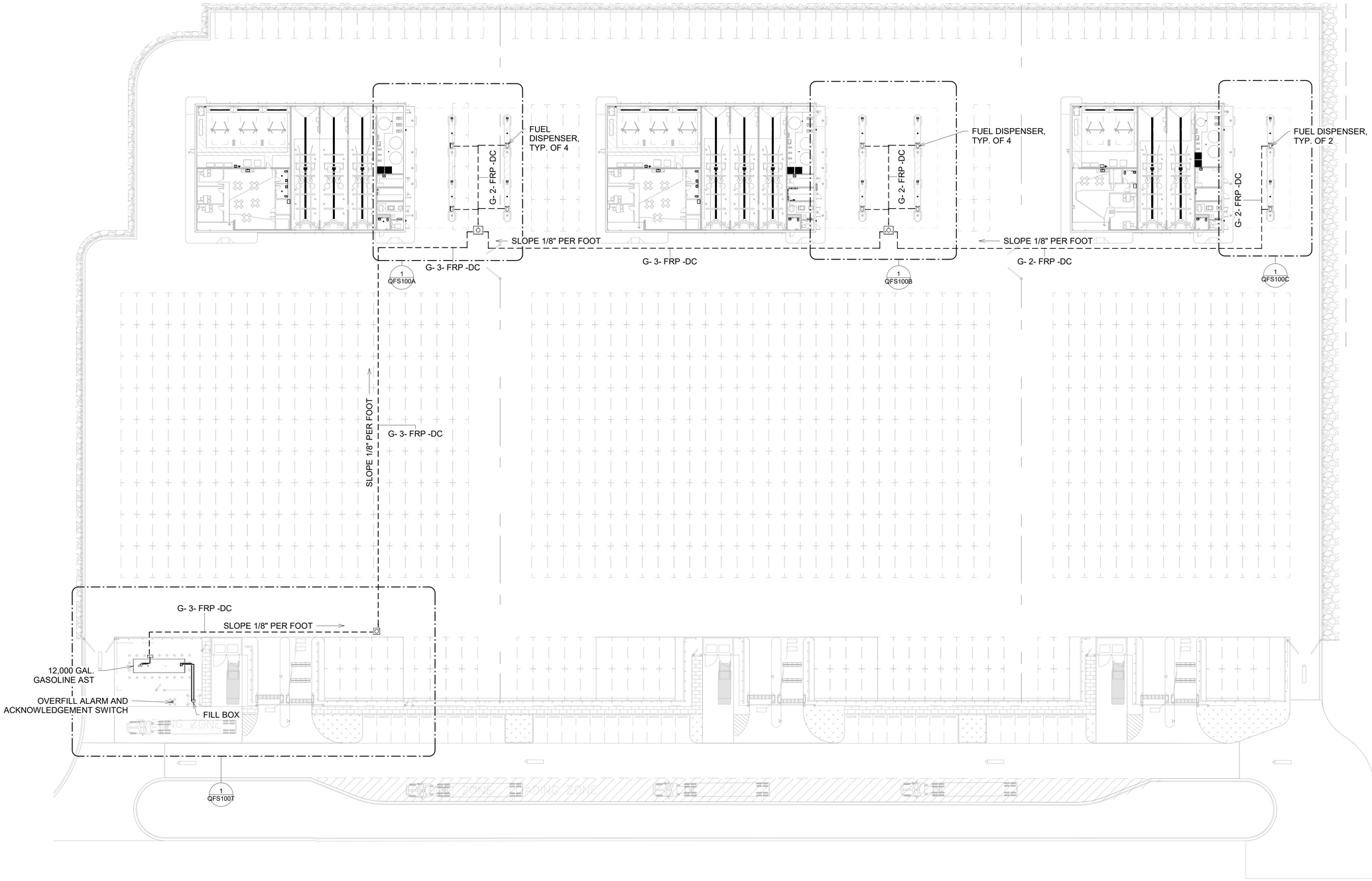
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FUELING SYSTEM GENERAL NOTES AND LEGEND

QUICK - TURNAROUND FACILITY
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1 FUELING SYSTEM OVERALL PIPING PLAN
1" = 30'-0"

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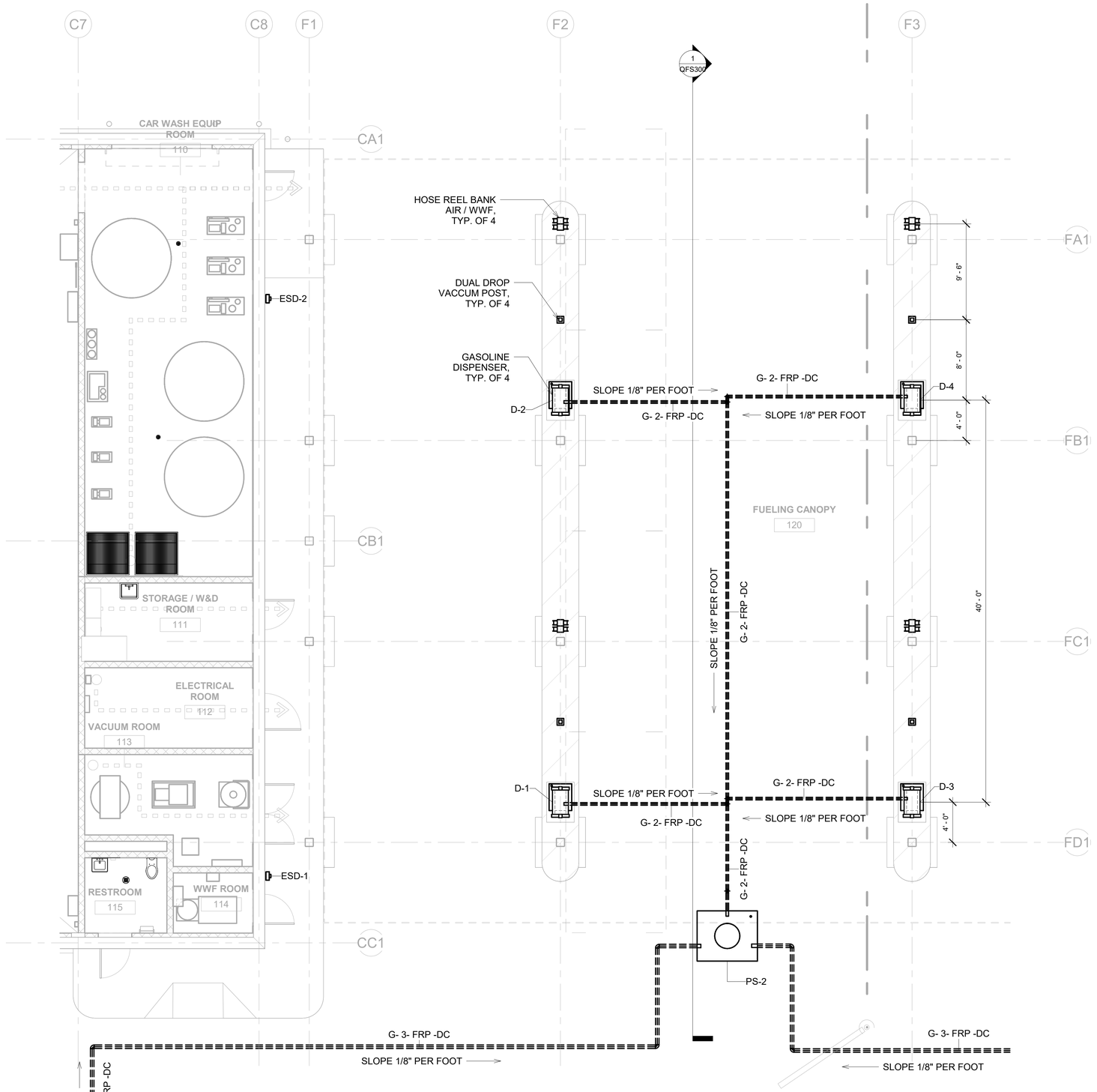
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DATE: JAN 2025			
1" = 30'-0"			

FUELING SYSTEM OVERALL PIPING PLAN

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
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1 FUELING SYSTEM QTA BUILDING A PIPING PLAN
3/16" = 1'-0"

BUILDING A | BUILDING B | BUILDING C

SITE KEY

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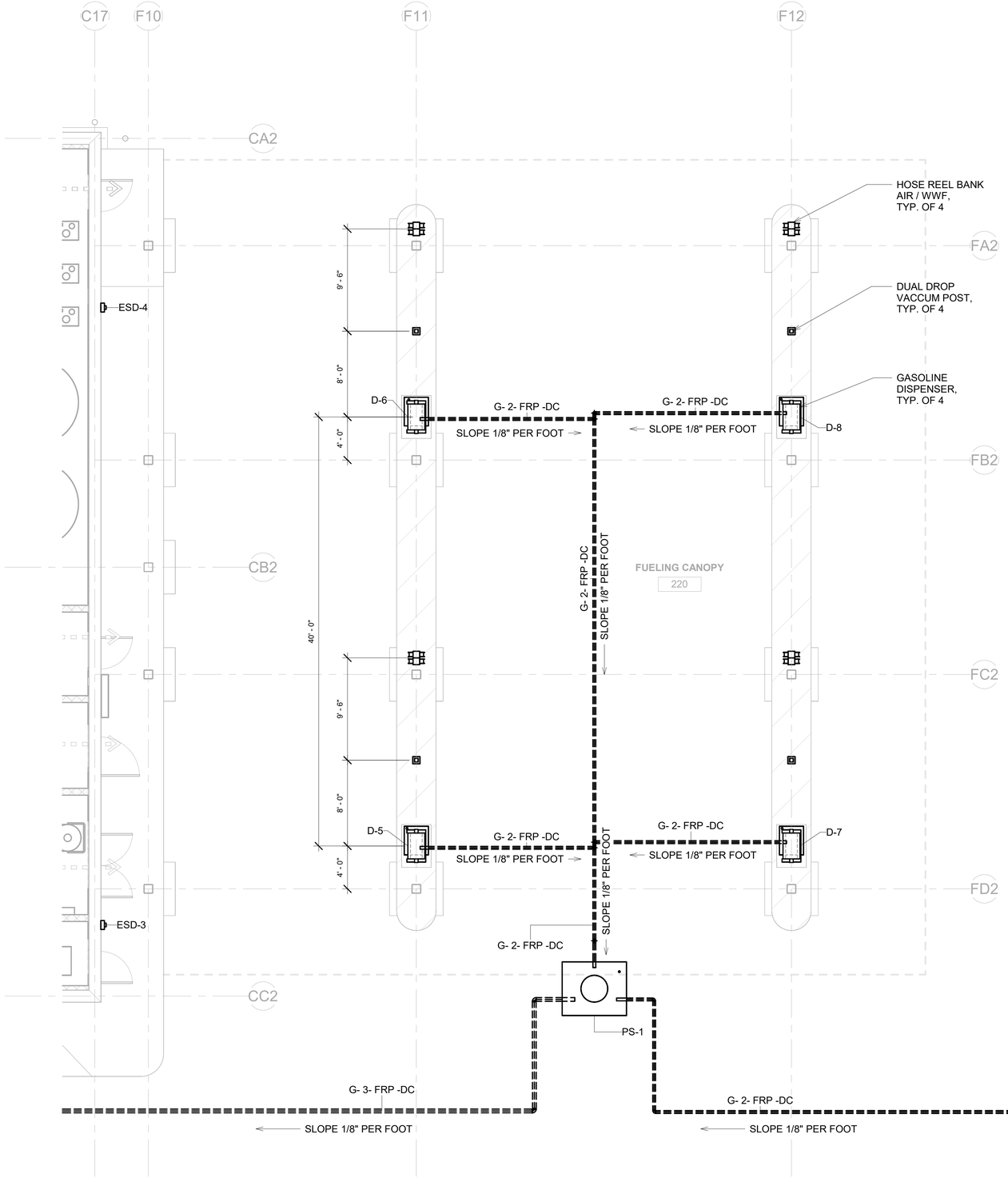
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DATE	JAN 2025
	3/16" = 1'-0"
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FUELING SYSTEM QTA BUILDING A PIPING PLAN

QUICK - TURNAROUND FACILITY
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1 FUELING SYSTEM QTA BUILDING B PIPING PLAN
3/16" = 1'-0"

BUILDING A BUILDING B BUILDING C

SITE KEY

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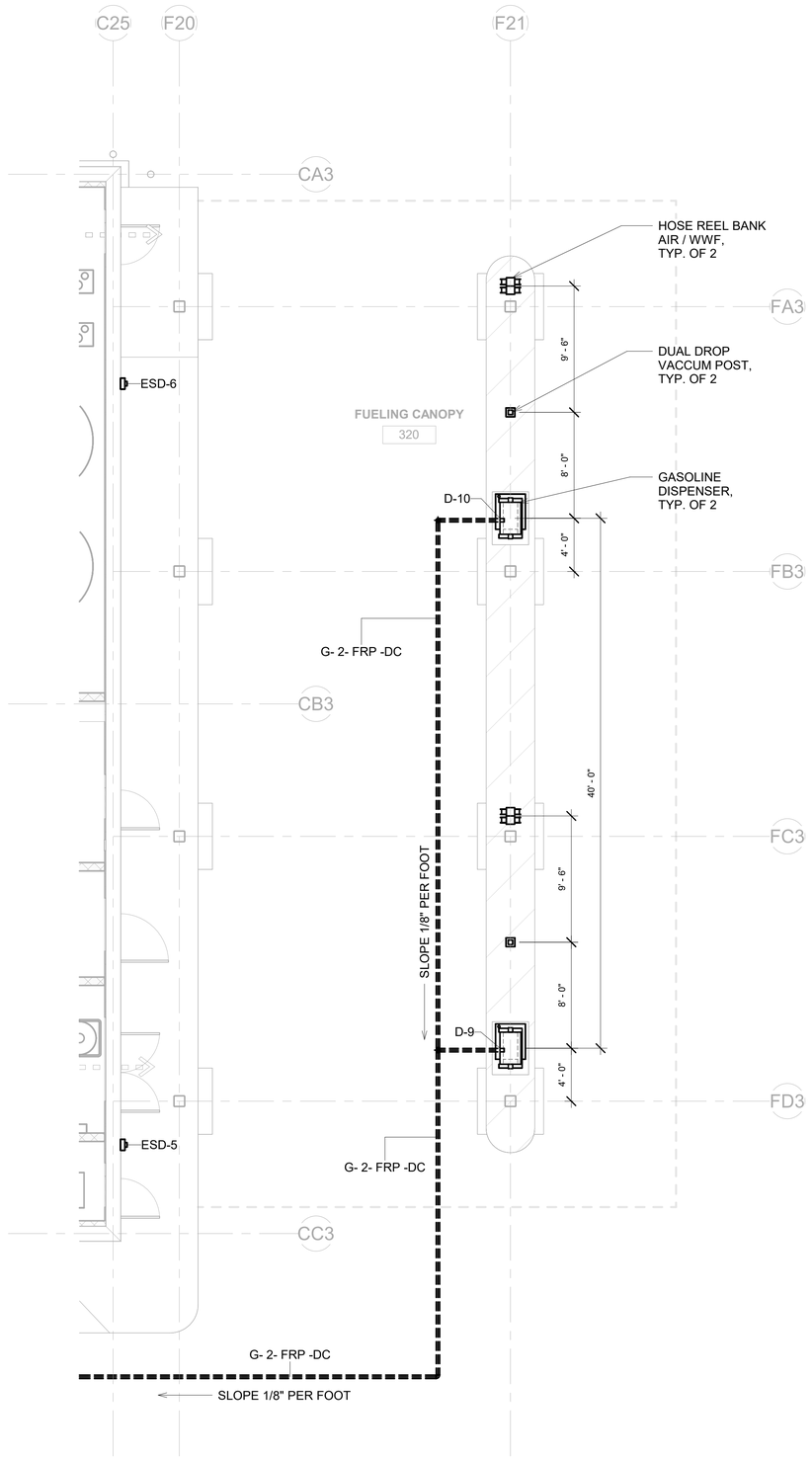
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3/16" = 1'-0"	
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FUELING SYSTEM QTA BUILDING B PIPING PLAN

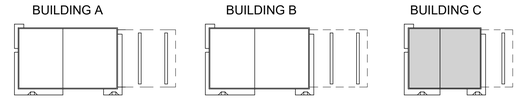
QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
QFS100B

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1 FUELING SYSTEM QTA BUILDING C PIPING PLAN
3/16" = 1'-0"



SITE KEY

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BLYMYER ENGINEERS
1701 HARRA VILLAGE PKWY #100
ALAMEDA, CA 94501 510.521.3775

LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61139X

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	AB	AB	BE
DATE: JAN 2025			
3/16" = 1'-0"			

FUELING SYSTEM QTA BUILDING C PIPING PLAN

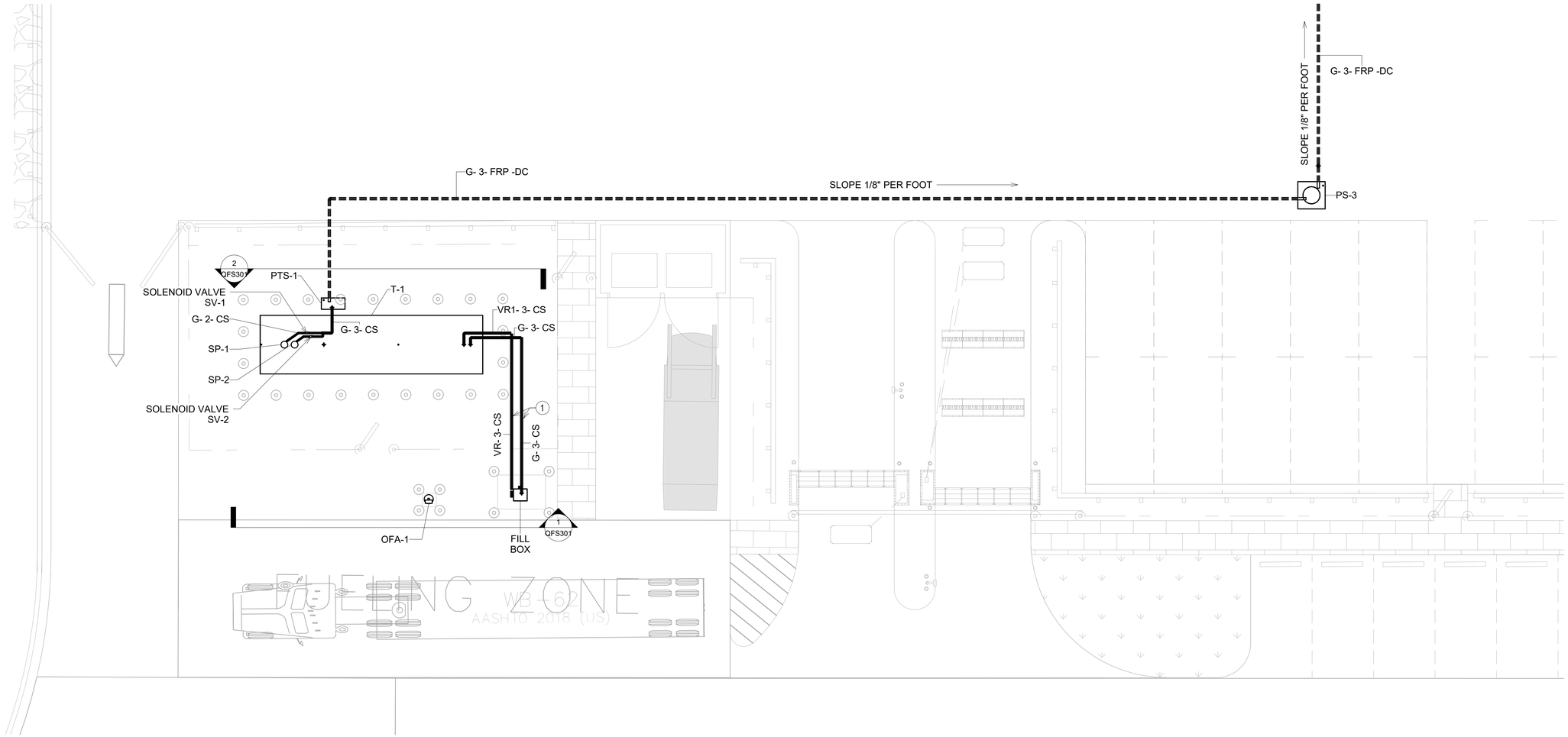
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KEYNOTES

1. REFER TO SHEET QFS504 DETAIL 2 FOR FUEL FILL AND STAGE I VAPOR RECOVERY PIPING SUPPORT.



1 FUELING SYSTEM TANK AREA PIPING PLAN
1/8" = 1'-0"

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ALAMEDA, CA 94501 510.521.3773

LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	144124059
DATE	JAN 2025
	1/8" = 1'-0"
DESIGNED BY	AB
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FUELING SYSTEM TANK AREA PIPING PLAN

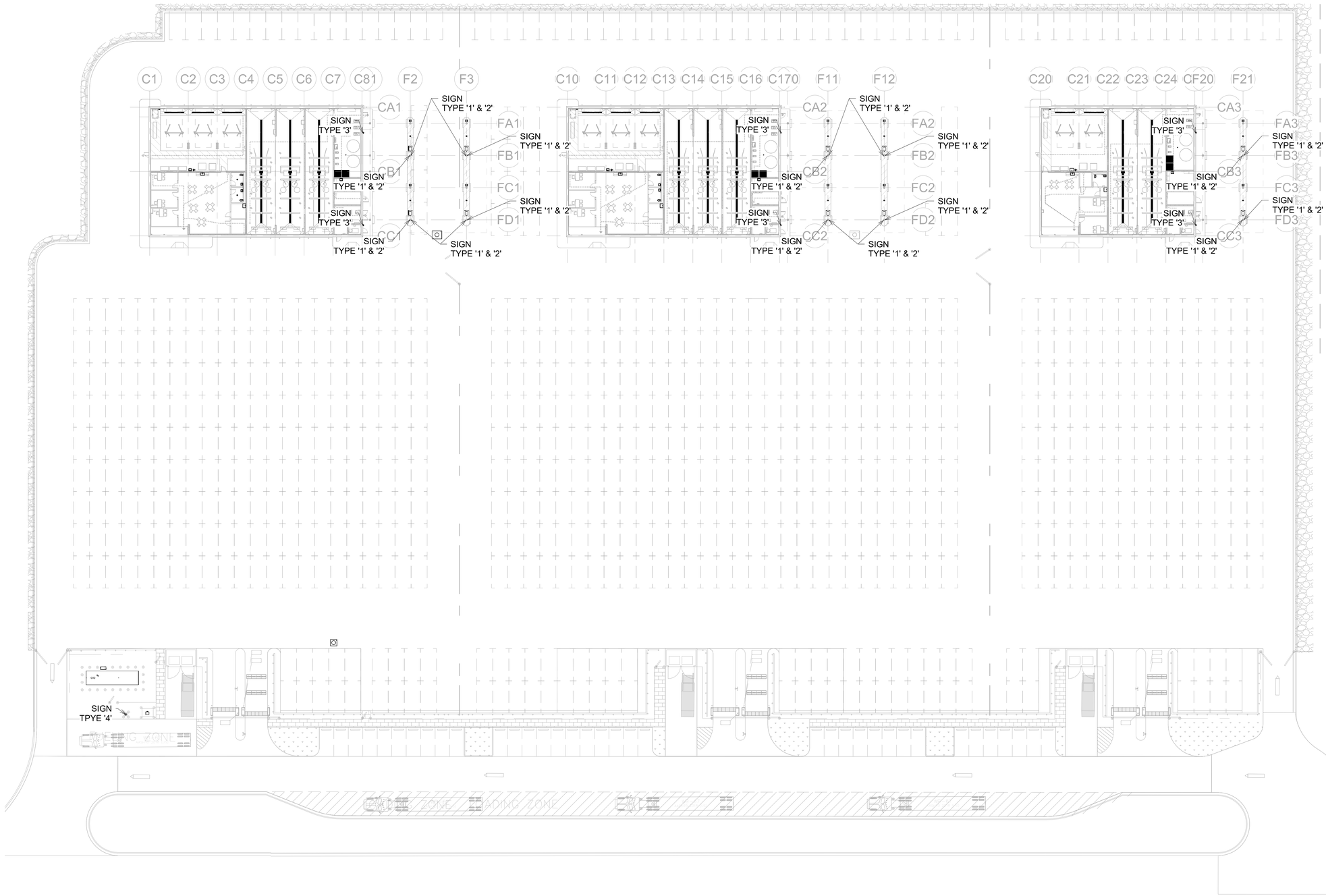
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GENERAL NOTES

1 REFER TO SHEET QFS501 FOR SIGNAGE DETAILS.



1 FUELING SYSTEM SIGNAGE PLAN
1" = 30'-0"

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LICENSED PROFESSIONAL

GREGORY MAZUR

FL LICENSE NUMBER
X61134X

PROJECT NUMBER	144124059
DATE	JAN 2025
1" = 30'-0"	
DESIGNED BY	AB
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FUELING SYSTEM SIGNAGE PLAN

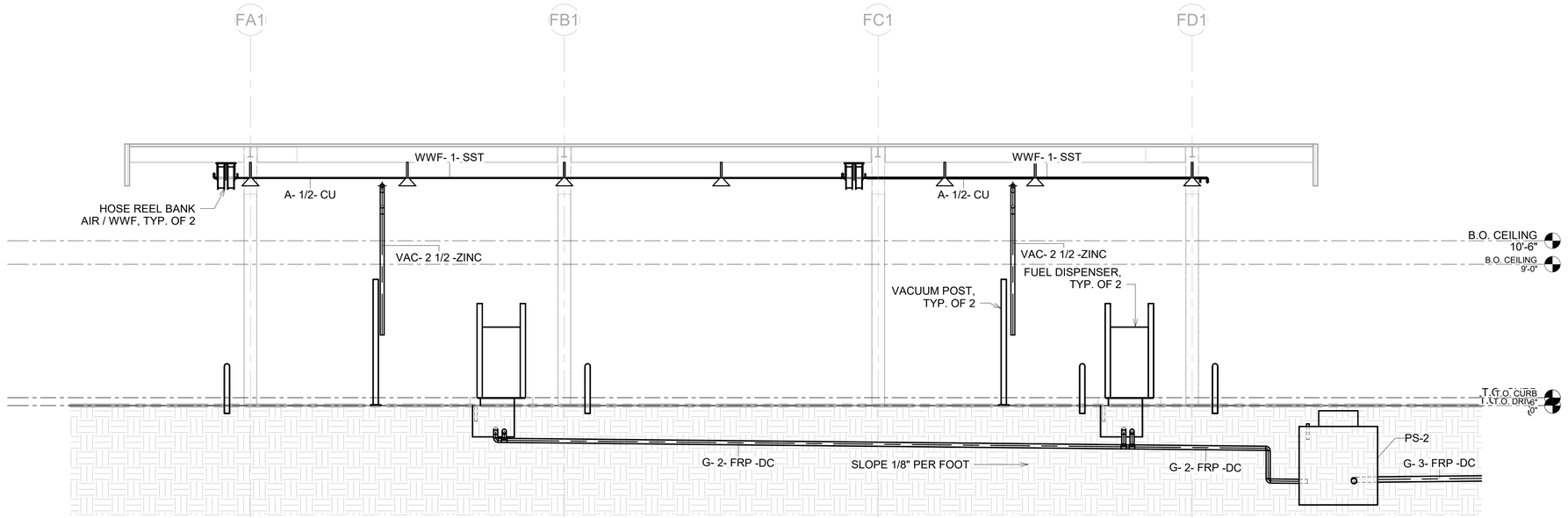
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GENERAL NOTES

1 PIPING TO BE RUN TO MAINTAIN 10 FT MIN. CLEARANCE A.F.F.



1 FUELING SYSTEM ISLAND ELEVATION - TYPICAL
1/4" = 1'-0"

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ALAMEDA, CA 94501 510.521.3773

LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	DESIGNED BY	
144124059	AB	
DATE	DRAWN BY	
JAN 2025	AB	
1/4" = 1'-0"	CHECKED BY	
	BE	

FUELING SYSTEM ISLAND ELEVATION

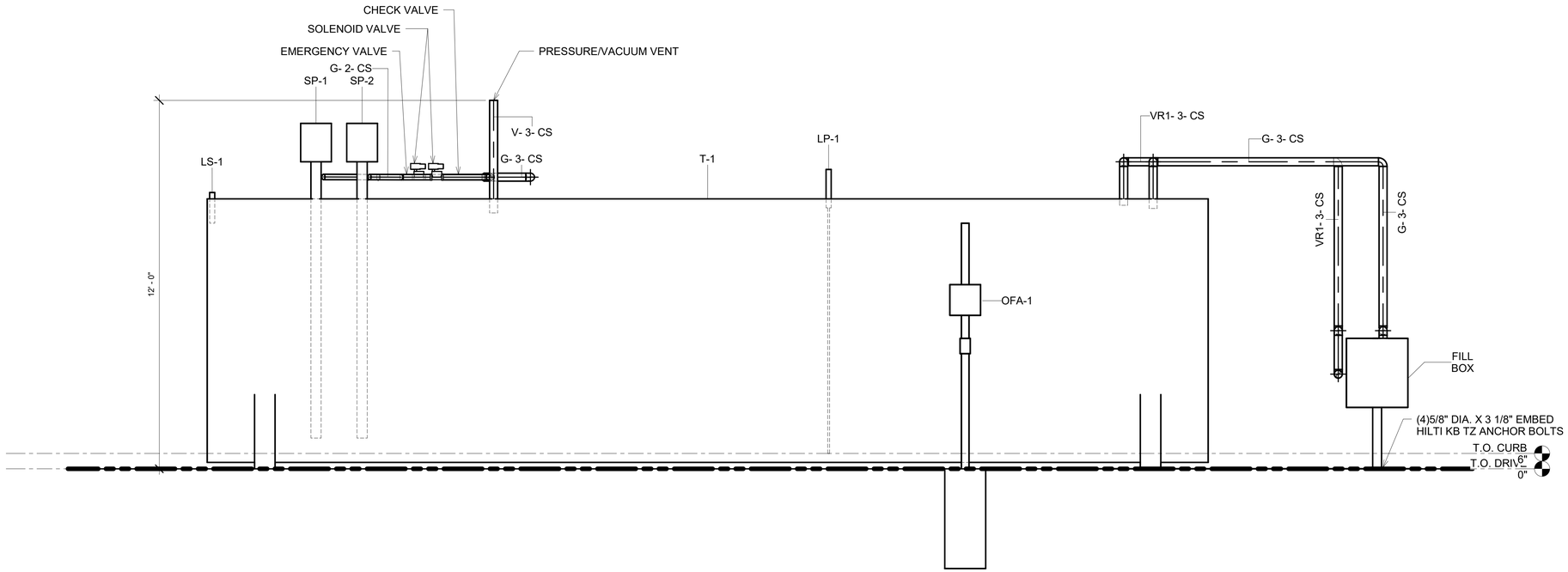
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SHEET NUMBER
QFS300

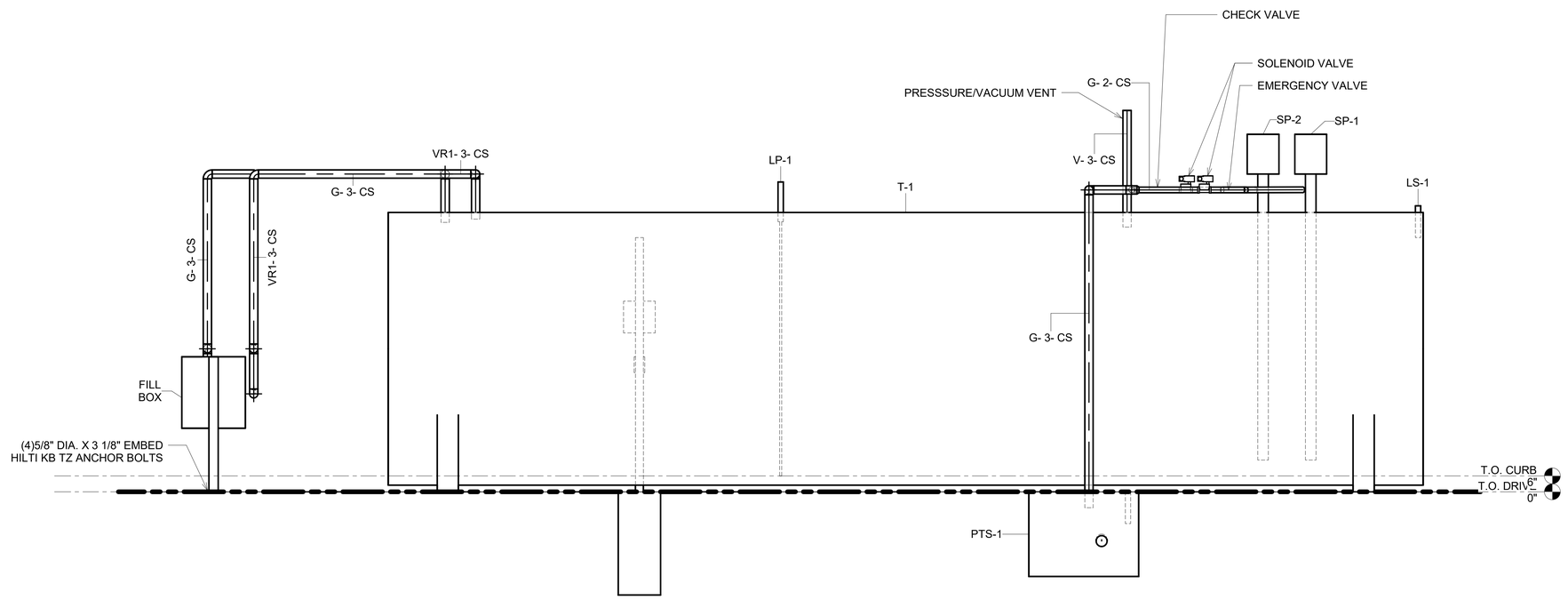
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GENERAL NOTES

1 PIPE SUPPORTS, ACCESS LEDDER, CATWALK AND HANDRAILS ARE NOT SHOWN FOR CLARITY.



1 ABOVEGROUND STORAGE TANK ELEVATION - NORTH
1/2" = 1'-0"



2 ABOVEGROUND STORAGE TANK ELEVATION - SOUTH
1/2" = 1'-0"

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BLYMYER ENGINEERS
1701 HARRIS VILLAGE PARKWAY #100
LAKELAND, FL 33811 813.621.3775

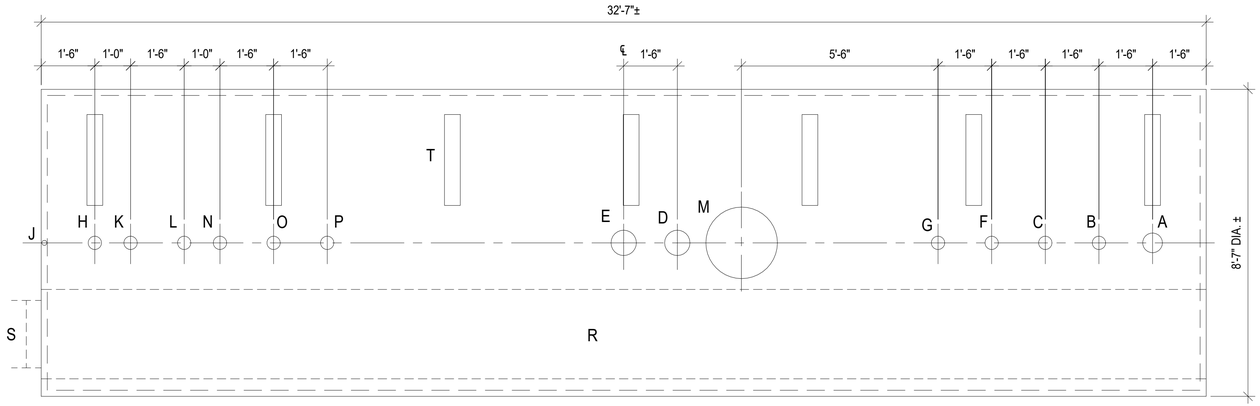
LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	DATE		DESIGNED BY	DRAWN BY	CHECKED BY
144124059	JAN 2025	1/2" = 1'-0"	AB	AB	BE

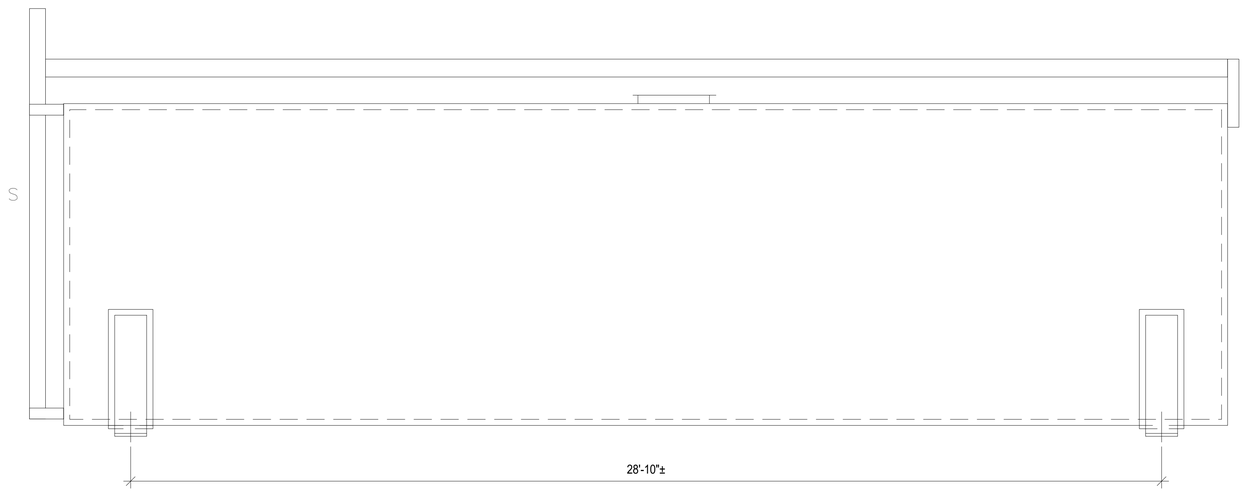
FUELING SYSTEM ABOVEGROUND STORAGE TANK ELEVATION

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

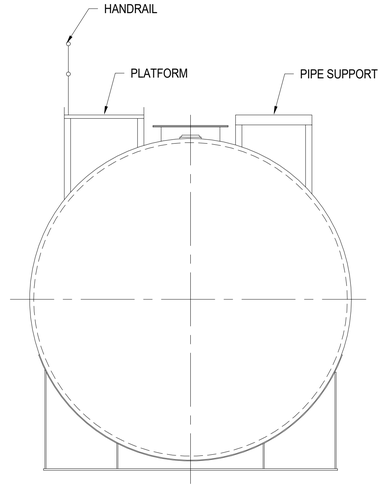
SHEET NUMBER
QFS301



1 GASOLINE AST PLAN DETAIL
1/2" = 1'-0"



SIDE ELEVATION



END VIEW

2 GASOLINE AST ELEVATION DETAIL
1/2" = 1'-0"

TANK FITTING LEGEND:

A. 6" FPT, FILL
B. 4" FPT, STAGE I VAPOR RECOVERY
C. 4" FPT, SPARE
D. 8" FLANGED, PRIMARY EMERGENCY VENT
E. 8" FLANGED, SECONDARY EMERGENCY VENT
F. 4" FPT, LEVEL GAUGE
G. 4" FPT, LEVEL PROBE
H. 4" FPT, PUMP
J. 2" MPT, MONITOR PORT
K. 4" FPT, SPARE
L. 4" FPT, PUMP
M. 24" DIA. MANWAY
N. 4" FPT, THERMORELIEF/SPARE
O. 4" FPT, SPARE / SECONDARY VENT (OUTER SHELL FITTING)
P. 4" FPT, PRESSURE/VACCUM RELIEF VENT
R. CATWALK
S. ACCESS LADDER
T. PIPE SUPPORT

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FL LICENSE NUMBER
X61134X

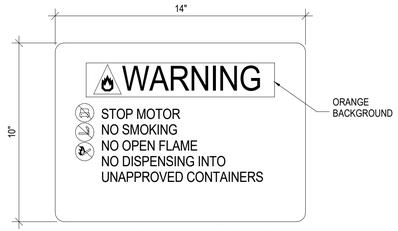
PROJECT NUMBER	144124059
DATE	JAN 2025
	1/2" = 1'-0"
DESIGNED BY	AB
DRAWN BY	AB
CHECKED BY	BE

FUELING SYSTEM DETAILS

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
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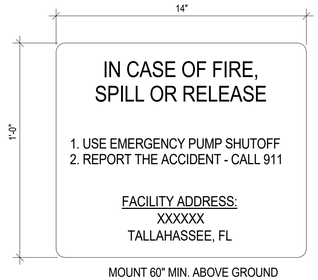
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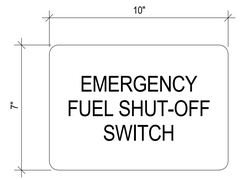
MOUNT 60" MIN. ABOVE GROUND
ON THE SIDE OF THE COLUMN

SIGN TYPE "1"



MOUNT 60" MIN. ABOVE GROUND
ON THE SIDE OF THE COLUMN

SIGN TYPE "2"



MOUNT 60" MIN. ABOVE GROUND
AT EACH ESD

SIGN TYPE "3"



MOUNT 60" MIN. ABOVE GROUND
AT OFA

SIGN TYPE "4"

1 SIGNAGE DETAILS
NTS

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BLYMYER ENGINEERS
1721 HARRIS VILLAGE PARKWAY #100
ALMEDA, GA 30021 (610) 821-3775

LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

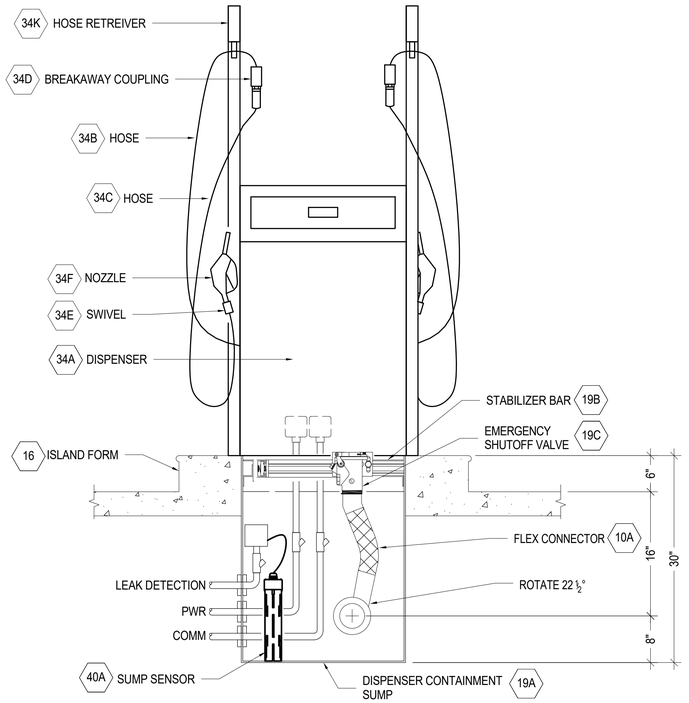
PROJECT NUMBER	144124059
DATE	JAN 2025
	NTS
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FUELING SYSTEM SIGNAGE DETAILS

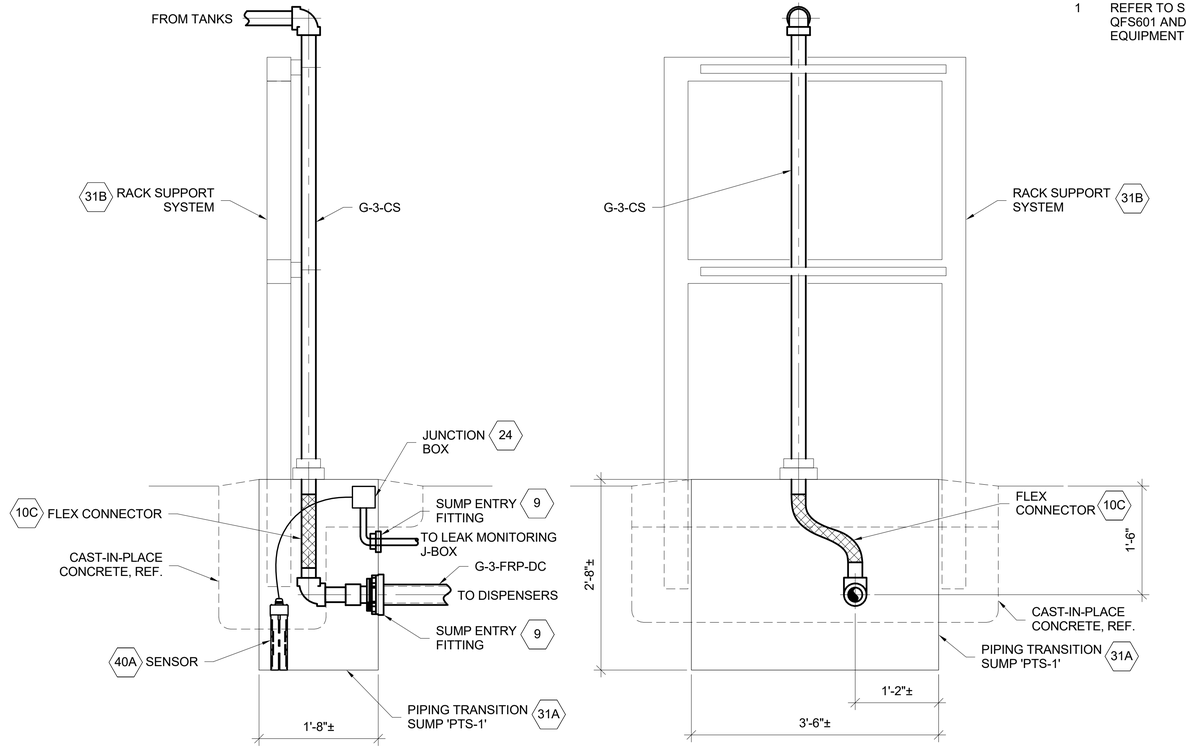
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QFS501

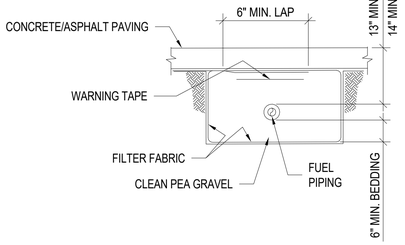
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1 GASOLINE DISPENSER DETAIL
NTS



2 PIPING TRANSITION SUMP ABOVEGROUND-UNDERGROUND DETAIL
NTS



3 PIPING TRENCH DETAIL
NTS

GENERAL NOTES

1 REFER TO SHEETS QFS600, QFS601 AND QFS602 FOR EQUIPMENT SCHEDULE.

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111 WARREN VILLAGE PKWY #100
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GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	144124059
DATE	JAN 2025
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DESIGNED BY	AB
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FUELING SYSTEM DETAILS

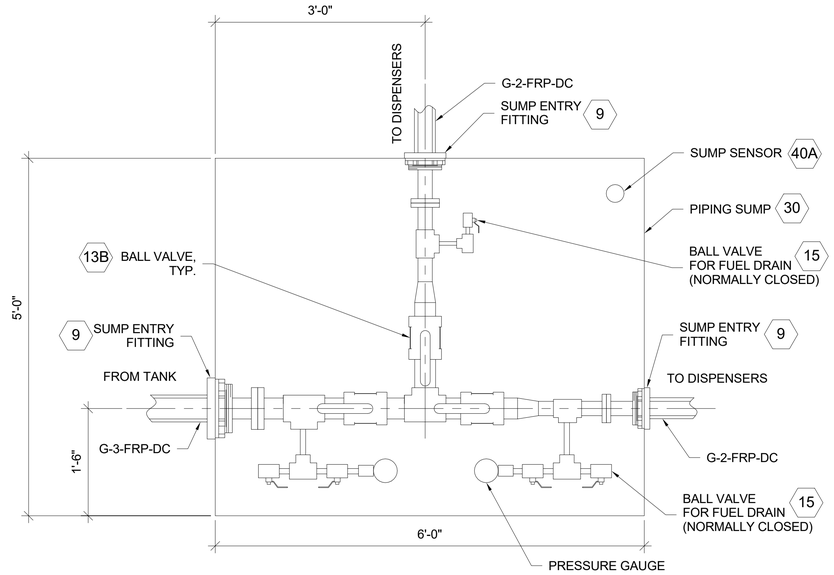
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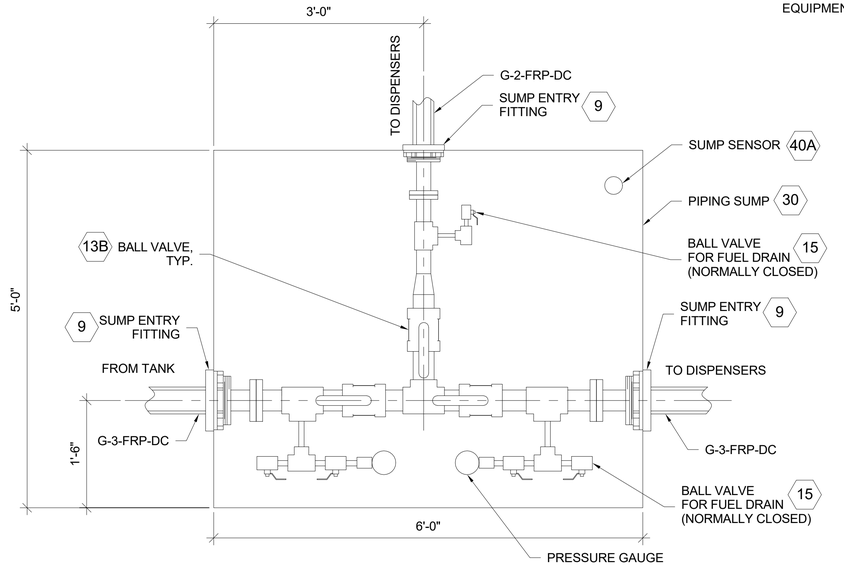
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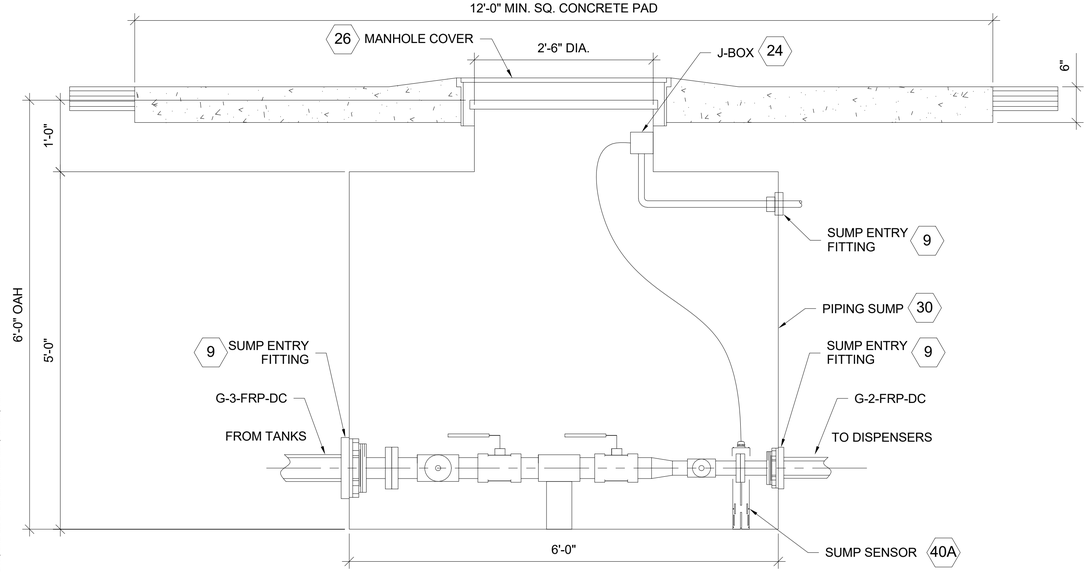
1 REFER TO SHEETS QFS600, QFS601 AND QFS602 FOR EQUIPMENT SCHEDULE.



PLAN VIEW

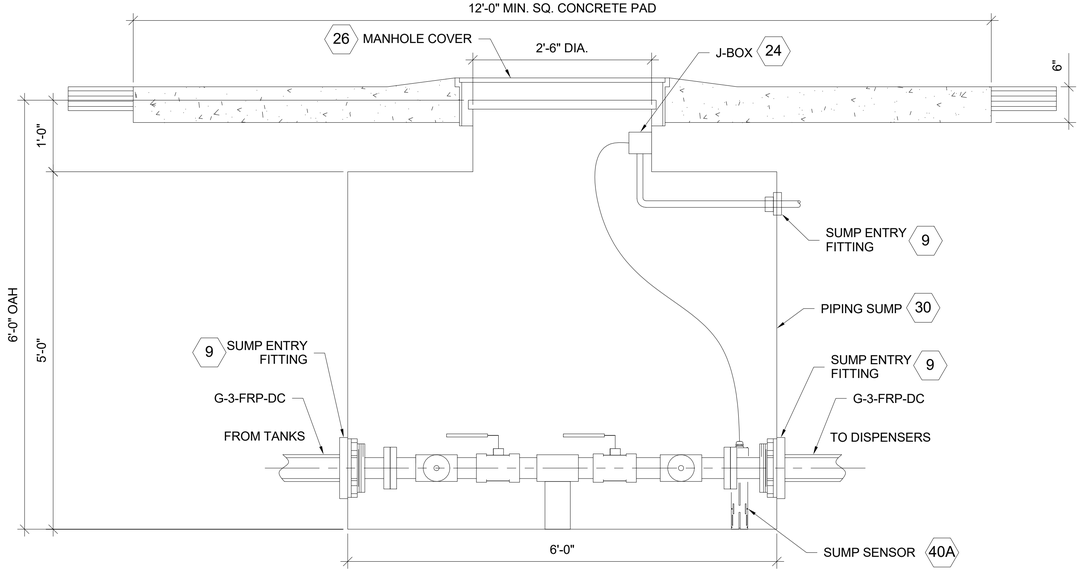


PLAN VIEW



ELEVATION

1 PIPING SUMP PS-1 UNDERGROUND DETAIL
NTS



ELEVATION

2 PIPING SUMP PS-2 UNDERGROUND DETAIL
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BLYMYER ENGINEERS

LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	DESIGNED BY
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DATE	DRAWN BY
JAN 2025	AB
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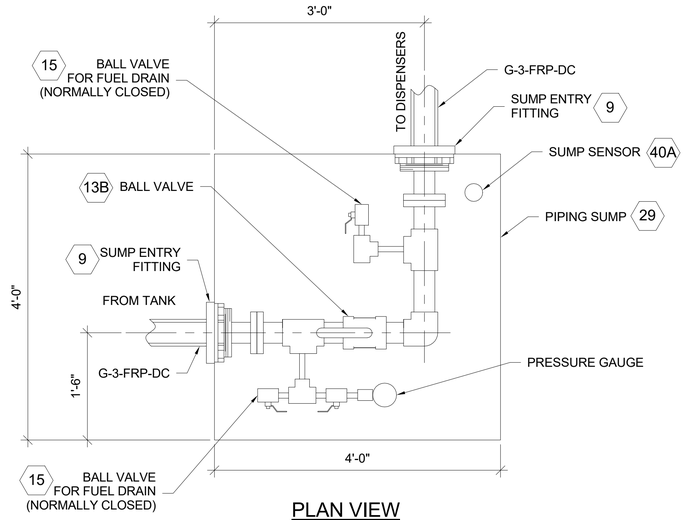
FUELING SYSTEM DETAILS

QUICK - TURNAROUND FACILITY
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CITY OF TALLAHASSEE
FLORIDA

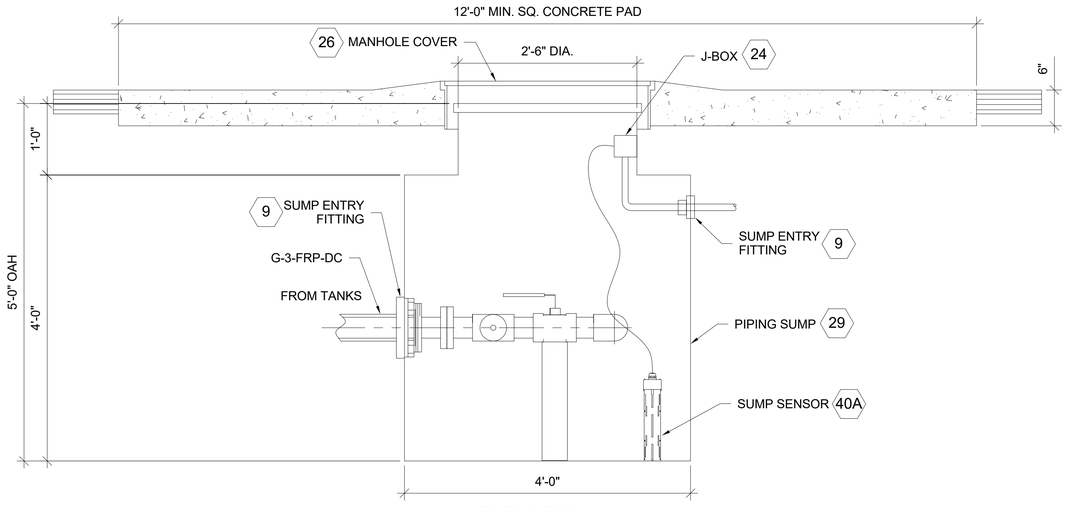
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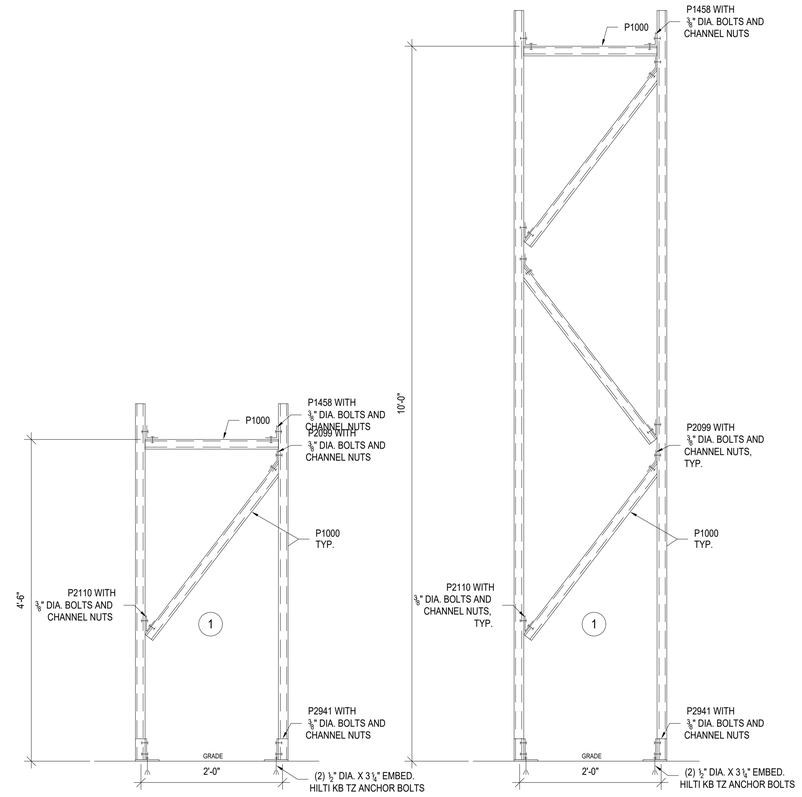


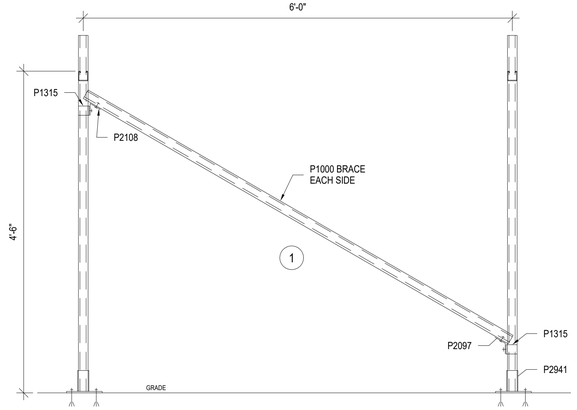
PLAN VIEW



ELEVATION

1 PIPING SUMP PS-3 UNDERGROUND DETAIL
NTS





BRACING TO ONE BAY ALONG RUN

2 PIPING SUPPORT GROUND MOUNT DETAIL
NTS

GENERAL NOTES

1 REFER TO SHEETS QFS600, QFS601 AND QFS602 FOR EQUIPMENT SCHEDULE.

KEYNOTES

1 PIPE SUPPORTS SHALL BE GALVANIZED FOR WET SERVICE.
ZINC COATING IS NOT ALLOWED.

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1701 HARRA VILLAGE PKWY #100
ALMERA, GA 30021 610.827.1775

LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	AB	AB	BE
DATE: JAN 2025			
NTS			

FUELING SYSTEM DETAILS

QUICK - TURNAROUND FACILITY
PREPARED FOR
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CITY OF TALLAHASSEE
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EQUIPMENT SCHEDULE

ITEM	NO. REQ'D	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SIZE/CAPACITY	CONNECTIONS	FURNISHED BY: OWNER	FURNISHED BY: CONTR.	INSTALLED BY: OWNER	INSTALLED BY: CONTR.	REMARKS	EQ#
FUELING TANKS AND EQUIPMENT												
1	1	ABOVEGROUND STORAGE TANK (U.L. 2085)	MODERN WELDING	"FIREGUARD"	12,000 GALLONS		--	✓		✓	T-1	EQ-352
2	2	EXTERNAL EMERGENCY VALVE WITH FUSABLE LINK	MORRISON BROTHERS	346DI-0500 AV	2"			✓		✓	--	
3	1	CLOCK GAUGE	MORRISON BROTHERS	818F-0100AGEVR				✓		✓	--	EQ-527
4	1	OVERFILL PREVENTION VALVE	MORRISON BROTHERS	9095AA-3300 AVEVR	3" FNPT x 6" FNPT DUCTILE IRON ADAPTOR			✓		✓	SET @ 95%	EQ-851
5	1	DROP TUBE	MORRISON BROTHERS	419-03101TEVR	3"			✓		✓	--	
6		<u>TANK FILLING SYSTEM - GASOLINE</u>	SIMPLEX	FUELPORT FP3GV				✓		✓	--	EQ-481
A	1	SIMPLEX FILL BOX WITH GROUND STUD - 7-GAL.										
B	1	3" CHECK VALVE										
C	1	3" BALL VALVE										
D	1	HAND PUMP FOR SPILL CONTAINMENT AND VALVES										
E	1	3" POST ASSEMBLY WITH BASE AND CLAMPS										
F	1	FILL ADAPTOR	MORRISON BROTHERS	927-0300AAEVR	3" TRD x 4"COUPL			✓		✓	--	
G	1	DUST CAP	MORRISON BROTHERS	735DC-4000ACEVR	4"			✓		✓	--	
H	1	VAPOR ADAPTOR	MORRISON BROTHERS	323-0300AAEVR	3" TRD x 4"COUPL			✓		✓	--	
J	1	DUST CAP	MORRISON BROTHERS	323C-0100ACEVR	4"			✓		✓	--	
7	2	SOLENOID VALVE, NORM. CLOSED - FULL PORT, DIFF. PRESSURE 0 PSI MIN.-100 PSI MAX., EXPL. PROOF	MAGNATROL CORP.	36A47	2"	120V, 1PH		✓		✓	--	
8	A/R	SCH. 40 CSG PIPE	--	--	4"	--		✓		✓	--	
9	A/R	BONDED SUMP ENTRY TERMINATION FITTING FOR FIBERGLASS PIPE AND PVC CONDUITS	S. BRAVO SYSTEMS	F-SERIES FULL BODY	VARIES	--		✓		✓	-	EQ-820
10												
A	10	FLEX CONNECTOR	FLEX-ING	E-Z FIT	1½" x 24"	--		✓		✓	BRAIDED FLEX CONNECTOR WITH MALE SWIVEL AND TWO END CAPS	
B	2	FLEX CONNECTOR	FLEX-ING	VARIES	2" x 24"							
C	5	FLEX CONNECTOR	FLEX-ING	VARIES	3" x 24"							
11												
A	1	EMERGENCY VENT WITH 8 OZ. PRESSURE	MORRISON	244OF-0100 AVEVR	8"			✓		✓	--	
B	1	EMERGENCY VENT WITH 16 OZ. PRESSURE	MORRISON	2440F-0200 AVEVR	8"			✓		✓	--	
12	1	THERMAL EXPANSION RELIEF VALVE, SET @ 50 PSI	MORRISON	76DI	½"			✓		✓	--	
13												
A	A/R	BALL VALVE	MORRISON	691	2"	--		✓		✓	--	
B	A/R	BALL VALVE	MORRISON	691	3"							
14	2	CHECK VALVE - SWING TYPE	MORRISON	246A 0200 AV	2"			✓		✓	--	
15	A/R	BALL VALVE	MORRISON	691	½"	--		✓		✓	--	
16	10	ISLAND FORMS, STAINLESS STEEL	BAKER	MODEL STD. 30"Wx48"Lx9"H	BASE FORM ONE PIECE	--		✓		✓	--	
17	1	PRESSURE VACUUM VENT	HUSKY	5885	2" W/ADAPTOR	--		✓		✓	--	
18	-	NOT USED										
19												
A	10	SINGLE-WALLED DISPENSER CONTAINMENT SUMP FOR WAYNE SELECT DISPENSER	S. BRAVO SYSTEMS	B7210-S1416	29"L x 24"W x 30" OAH	--		✓		✓		EQ-727
B	10	STABILIZER BAR	S. BRAVO SYSTEMS	BK-7000	-							
C	10	EMERGENCY SHUTOFF VALVE-U.L. LISTED	FLEXING	EZX15F	1½"							
20	-	NOT USED				--		✓		✓		
21	--	NOT USED				--						
22	A/R	PIPING, FIBERGLASS	AMERON	DUALOY 3000/L	VARIES	--		✓		✓		EQ-378

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GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	AB	AB	BE
DATE: JAN 2025			
NTS			

FUELING SYSTEM EQUIPMENT SCHEDULE

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QFS600

EQUIPMENT SCHEDULE

ITEM	NO. REQ'D	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SIZE/CAPACITY	CONNECTIONS	FURNISHED BY: OWNER	FURNISHED BY: CONTR.	INSTALLED BY: OWNER	INSTALLED BY: CONTR.	REMARKS	EQ#	EQUIPMENT TAG
FUELING TANKS AND EQUIPMENT													
23	--	NOT USED											
24	A/R	ELECTRICAL JUNCTION BOX	--	--	--	--		✓		✓	--		
25	--	NOT USED											
26	3	MANHOLE COVER	OPW	CONQUISTADOR 44CD-RL10	44"	--		✓		✓	--		
27	--	NOT USED											
28	--	NOT USED											
29	1	SINGLE-WALLED PIPING SUMP WITH 12"x30"DIA. REDUCER AND 32" WATER TIGHT LID	S. BRAVO SYSTEMS	CUSTOM	48"Wx48"Lx60"OAH	--		✓		✓	--	EQ-759	PS-3
30	2	SINGLE-WALLED PIPING SUMP WITH 12"x30"DIA. REDUCER AND 32" WATER TIGHT LID	S. BRAVO SYSTEMS	CUSTOM	60"Wx72"Lx72"OAH	--		✓		✓	--	EQ-759	PS-1, PS-2
31 A B	1 1	SINGLE-WALLED PIPING TRANSITION SUMP WITH (1) ONE 3" FITTING VENT RACK SYSTEM	S. BRAVO SYSTEMS	B603-S RS-503	41.5" x 20" x 32" DEEP	--		✓		✓	--	EQ-615	PTS-1
32	--	NOT USED											
33	--	NOT USED											
34 A B C D E F G K	 10 20 20 20 20 20 20 20	REMOTE DISPENSER 1-PRODUCT, LANE-ORIENTED, TWIN HOSE WITH ELECTRONIC REGISTRATION, DUAL-PULSE OUTPUT, INTERNAL FILTER, STAINLESS STEEL CABINET PRODUCT HOSE PRODUCT HOSE BREAK AWAY COUPLING, RECONNECTABLE 45° SWIVEL NOZZLE, DRIP LESS WITH 2 NOTCH HOLD OPEN CLIP AND FLOW EQUALIZER HIGH HOSE RETRIEVER IN DISPENSER TERMINAL HARDWARE W/PROXIMITY READER ONLY	WAYNE GOODYEAR GOODYEAR HUSKY HUSKY HUSKY POMECO WAYNE	3/G7247D/2GJ/HS2 FLEXSTEEL FUTURA FLEXSTEEL FUTURA 003360 000350 11904180 6100-7000 -	22 GPM. MAX ¾"DIA. x 8'-6" LG. ¾"DIA. x 7'-6" LG.	115VAC, 1PH, 60HZ		✓		✓	--		D-1 THRU D-10
35	--	NOT USED											
36 A B C D	 2 2 2 1	 SUBMERSIBLE PUMP, VARIABLE SPEED VARIABLE SPEED PUMP CONTROLLER WITH OPTIONAL RELAY SIPHON CHECK VALVE DISPENSER HOOK ISOLATION - 16 INPUTS	 FRANKLIN FUELING FRANKLIN FUELING FRANKLIN FUELING R.S. ELECTRONIC	 STPMVS4-VL2 MagVFC 400137908 SERIES 101	 4 HP VARIABLE SPEED	 208V, 3PH, 60 Hz. 208V, 3PH, 60 Hz. 120V, 1PH, 60 Hz		✓		✓	--		 SP-1, SP-2 VFC-1, VFC-2 DHI-1
37	--	NOT USED											

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X61134X

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	AB	AB	BE
DATE: JAN 2025			
NTS			

FUELING SYSTEM EQUIPMENT SCHEDULE

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QFS601

EQUIPMENT SCHEDULE

ITEM	NO. REQ'D	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SIZE/CAPACITY	CONNECTIONS	FURNISHED BY: OWNER	FURNISHED BY: CONTR.	INSTALLED BY: OWNER	INSTALLED BY: CONTR.	REMARKS	EQ#	EQUIPMENT TAG
FUELING TANKS AND EQUIPMENT													
38	1	EVO 550 INVENTORY & LEAK DETECTION CONSOLE WITH LCD DISPLAY & INTERNAL PRINTER	FRANKLIN FUELING	T550EDPMIE	--	120V, 1PH, 60Hz		✓		✓		EQ-652	MP-1
A	1	INTERNAL FAX MODEM		TS-MDMIB									
B	1	8-OUTPUT RELAY MODULE		TS-RLY									
C	1	12-INPUT AC MODULE		TS-ACI									
D	1	PROBE MODULE		TS-PRB									
E	2	2-WIRE SENSOR MODULE		TS-2WSNS									
F	1	SYSTEM SENTINEL ANYWARE		SSA-SU25									
G	1	I/O MODULE		TS-IO									
H													
39													
A	-	NOT USED											
B	-	NOT USED											
40			FRANKLIN FUELING		--	--		✓		✓		EQ-456	
A	15	UNIVERSAL LIQUID SENSOR		TSP-ULS									
B	15	SENSOR MOUNTING KIT		TSP-K12									
41			FRANKLIN FUELING		--	--		✓		✓		EQ-652	
A	1	DIGITAL INVENTORY CONTROL PROBE FOR AST 8'		FMP-LL3-101-I									
B	1	4" GASOLINE PHASE SEPARATION FLOAT KIT		TSP-IGF4P									
C	1	INVENTORY PROBE INSTALLATION KIT		TSP-C4A									
42	6	EMERGENCY SHUTOFF PUSH BUTTON WITH STROBE AND ALARM	POWER INTEGRITY	IA-ESOCA/T	--	120V, 1PH, 60Hz		✓		✓	2-POLE		
43			FRANKLIN FUELING		--	120V, 1PH, 60Hz		✓		✓		EQ-898	OFA-1
A	1	OVERFILL ALARM		TS-RA2									
B	1	ACKNOWLEDGEMENT SWITCH		TS-RK									
44	--	NOT USED											
45	--	NOT USED											
46	--	NOT USED											
47	--	NOT USED											
48			WAYNE	iX FLEET	--	120V, 1PH, 60Hz		✓		✓			FMS-1
A	1	iX FLEET FUEL MANAGEMENT SYSTEM CONTROLLER											
B	1	GATEWAY SERVER HARDWARE	WAYNE										
C	1	GATEWAY SERVER SOFTWARE	WAYNE										
D	1	IDT SOFTWARE	WAYNE										
E	1	ETHERNET SWITCH	CISCO	SG100-16	16-PORT GIGABIT SWITCH	120V, 1PH, 60Hz							
49	6	PRODUCTIVITY AND VEHICLE TRACKING SYSTEM	CONTROL MODULE INC	–			✓		✓				PROVIDED AND INSTALLED BY RENTAL CAR COMPANIES

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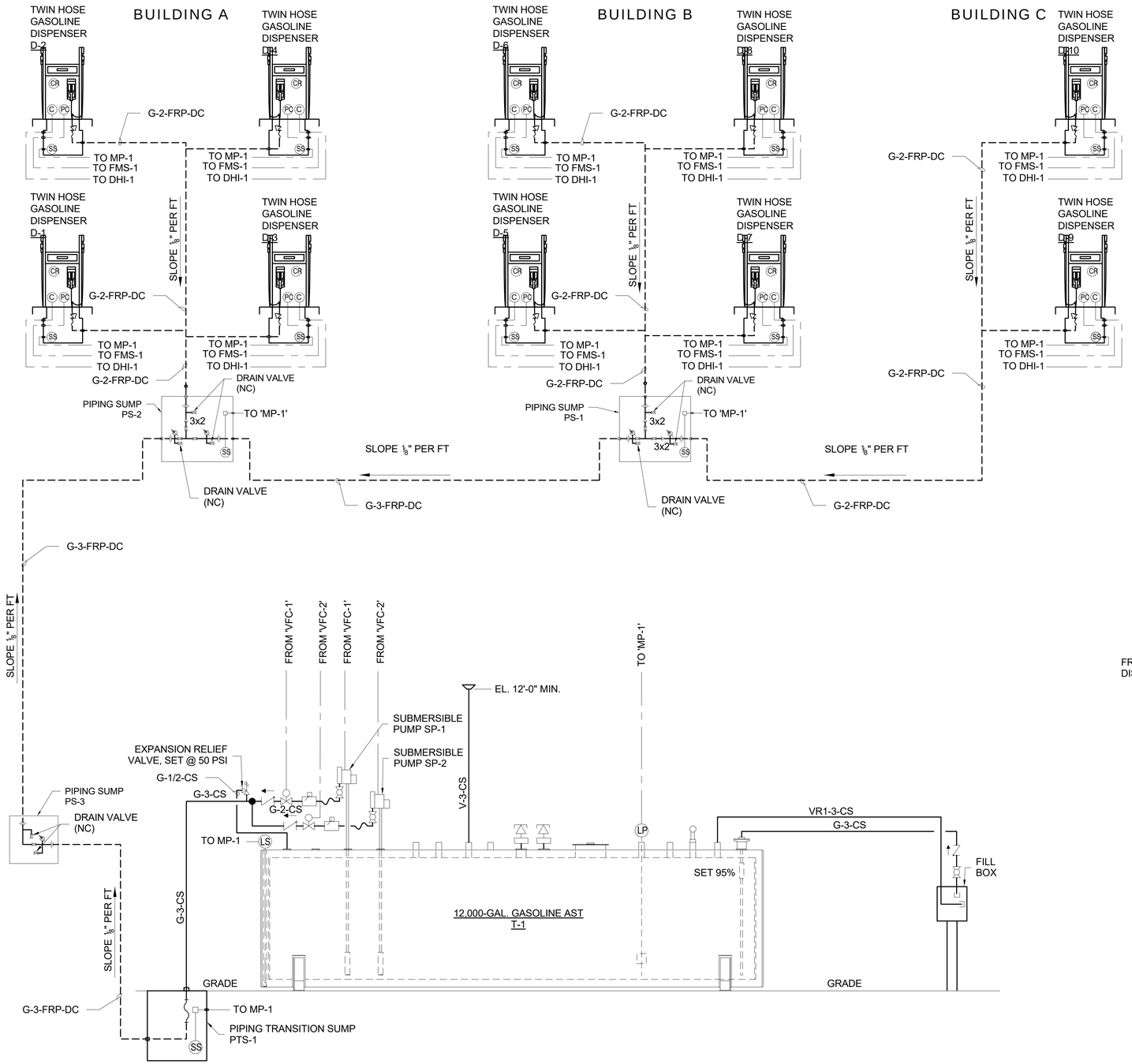
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FUELING SYSTEM EQUIPMENT SCHEDULE

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
QFS602

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1 FUELING SYSTEM PIPING AND INSTRUMENTATION DIAGRAM
NTS

GENERAL NOTES

1. ALL BALL VALVES SHALL BE IN OPEN POSITION UNLESS OTHERWISE NOTED.

LEGEND

LINE DESIGNATION

DOUBLE CONTAINED
PRIMARY SIZE
G-3-FRP-DC

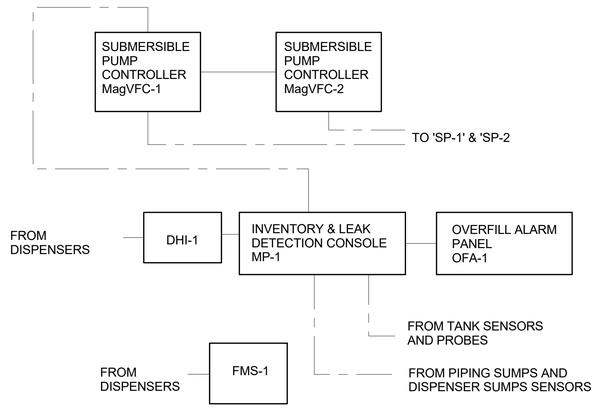
SERVICE
G - GASOLINE
VR1 - STAGE I VAPOR RECOVERY
V - VENT

MATERIAL
CS - CARBON STEEL
CSG - CARBON STEEL, GALVANIZED
FRP - FIBERGLASS PIPE

FUEL PIPING ABOVEGROUND
FUEL PIPING UNDERGROUND
ELECTRICAL CONDUIT

ABBREVIATIONS
LP LEVEL PROBE
LS LEAK SENSOR
SS SUMP SENSOR
LD LINE LEAK DETECTOR TRANSDUCER
C CONTROL
PC PUMP CONTROL
CR CARD READER
NC - NORMALLY CLOSED

SYMBOLS
EMERGENCY SHEAR VALVE
BALL VALVE
SOLENOID VALVE
PRESSURE RELIEF VALVE
CHECK VALVE
EMERGENCY VALVE WITH FUSABLE LINK
PETCOCK
REDUCER
FLEXIBLE CONNECTOR
UNION



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DATE: JAN 2025			
NTS			

FUELING SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QFS700

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MAINTENANCE BAY DESCRIPTION

DESCRIPTION:

1. SEPARATE DUAL MAINTENANCE BAYS WILL SERVE EACH OF THE THREE RAC FACILITIES AND CONSIST OF THE FOLLOWING:
   - 1.1. THREE COMPARTMENT NEW AND USED OIL TANK.
   - 1.2. NEW AND USED PNEUMATIC OIL PUMPS INCLUDING PIPING.
   - 1.3. USED OIL OVERFILL ALARM SYSTEM
   - 1.4. COMPRESSED AIR SYSTEM INCLUDING DRYER.
   - 1.5. TIRE BALANCER AND CHANGER.
   - 1.6. CAR LIFT
   - 1.7. HOSE REELS FOR OIL, AIR, LIGHT AND WATER
   - 1.8. RAC SUPPLIED EQUIPMENT:
     - 1.8.1. WORK BENCHES
     - 1.8.2. TIRE RACK
     - 1.8.3. COMPUTER WORKSTATIONS
     - 1.8.4. TOOLS INCLUDING
     - 1.8.5. TOOL CHEST

VACUUM SYSTEM DESCRIPTION

DESCRIPTION:

1. SEPARATE VACUUM SYSTEMS WILL SERVE EACH OF THE THREE RAC SERVICE LOCATION AND CONSIST OF A BLOWER, SEPARATOR, DUCTING, HOSE, AND POST.
2. NORMAL OPERATION:
   - 2.1. THERE WILL BE A START/STOP BUTTON LOCATED ON A VACUUM POST AT EACH OF THE THREE RAC AREAS.
   - 2.2. THE OPERATOR WILL ACTIVATE SYSTME BY PUSHING THE START/STOP BUTTON WHICH WILL HAVE A 30 MINUITE TIMER. THE TIMER CAN BE RESET BY PUSHING THE START BUTTON TO AVOID MID-USE SHUT DOWN.
   - 2.3. THE OPERATOR REMOVES THE VACUUM HOSE FROM THE TOOL HOLDER ON THE POST, CLEANS THE VEHICLE, AND RETURN THE HOSE TO THE TOOL HOLDER.
   - 2.4. THE VACUUM SEPARATOR HAS A DIRT CAN THAT NEEDS TO BE SERVICED PERIODICALLY.

COMPRESSED AIR SYSTEM DESCRIPTION

DESCRIPTION:

1. SEPARATE AIR COMPRESSORS WILL SERVE EACH OF THE THREE RAC SERVICE LOCATION AND CONSIST OF AN AIR COMPRESSOR, DRYER, AND SPRING RETRACTABLE HOSE WITH TIRE INFLATOR.
2. NORMAL OPERATION:
   - 2.1. THE OPERATOR WILL PULL DOWN THE HOSE LOCATED AT THE SERVICE POSITION, DISPENSE AIR IN THE VEHICLE TIRES.
   - 2.2. ONCE COMPLETE THE OPERATOR WILL RETRACT THE HOSE BACK ON THE REEL.

WINDSHIELD WASHER FLUID SYSTEM DESCRIPTION

DESCRIPTION:

1. SEPARATE WINDSHEILD WASHER FLUID SYSTEMS WILL SERVE EACH OF THE THREE RAC SERVICE LOCATION AND CONCIST OF A DRUM OF CONCENTRATE, MIXING TANK, AIR PUMP, AND SPRING RETRACTABLE HOSE REELS WITH HOSE BIBB.
2. NORMAL OPERATION:
   - 2.1. THE OPERATOR WILL PULL DOWN THE HOSE LOCATED AT THE SERVICE POSTION DISPENSE PRODUCT INTO THE VEHICLE.
   - 2.2. ONCE COMPLETE THE OPERATIOR WILL RETRACT THE HOSE BACK ON THE REEL.

PIPING LEGEND

LINE DESIGNATION

SIZE

MO-1-CST

SERVICE

A - COMPRESSED AIR
MO - MOTOR OIL
MOS -MOTOR OIL SYNTHETIC
UO - USED OIL
W - WATER
VAC - VACUUM
WWF - WINDSHIELD WASHER FLUID

MATERIAL

CS - CARBON STEEL, SCHD. 40
CST - CARBON STEEL TUBING, SEAMLESS
CU - COPPER TUBING, TYPE L
ZINC-ZINC TUBING
SS - STAINLESS STEEL TUBING

ABBREVIATIONS

N.C. - NORMALLY CLOSED

SYMBOLS

PIPING ABOVEGROUND

ELECTRICAL CONDUIT

SYMBOLS

BALL VALVE

CHECK VALVE

SOLENOID VALVE

PETCOCK

REDUCER

WORKING VENT

EMERGENCY VENT

FITLER-REGULATOR-LUBRICATOR

RUNAWAY VALVE

PRESSURE RELIEF VALVE

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PROJECT NUMBER	144124059
DATE	JAN 2025
	NTS
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MAINTENANCE SYSTEMS GENERAL NOTES AND DESCRIPTION

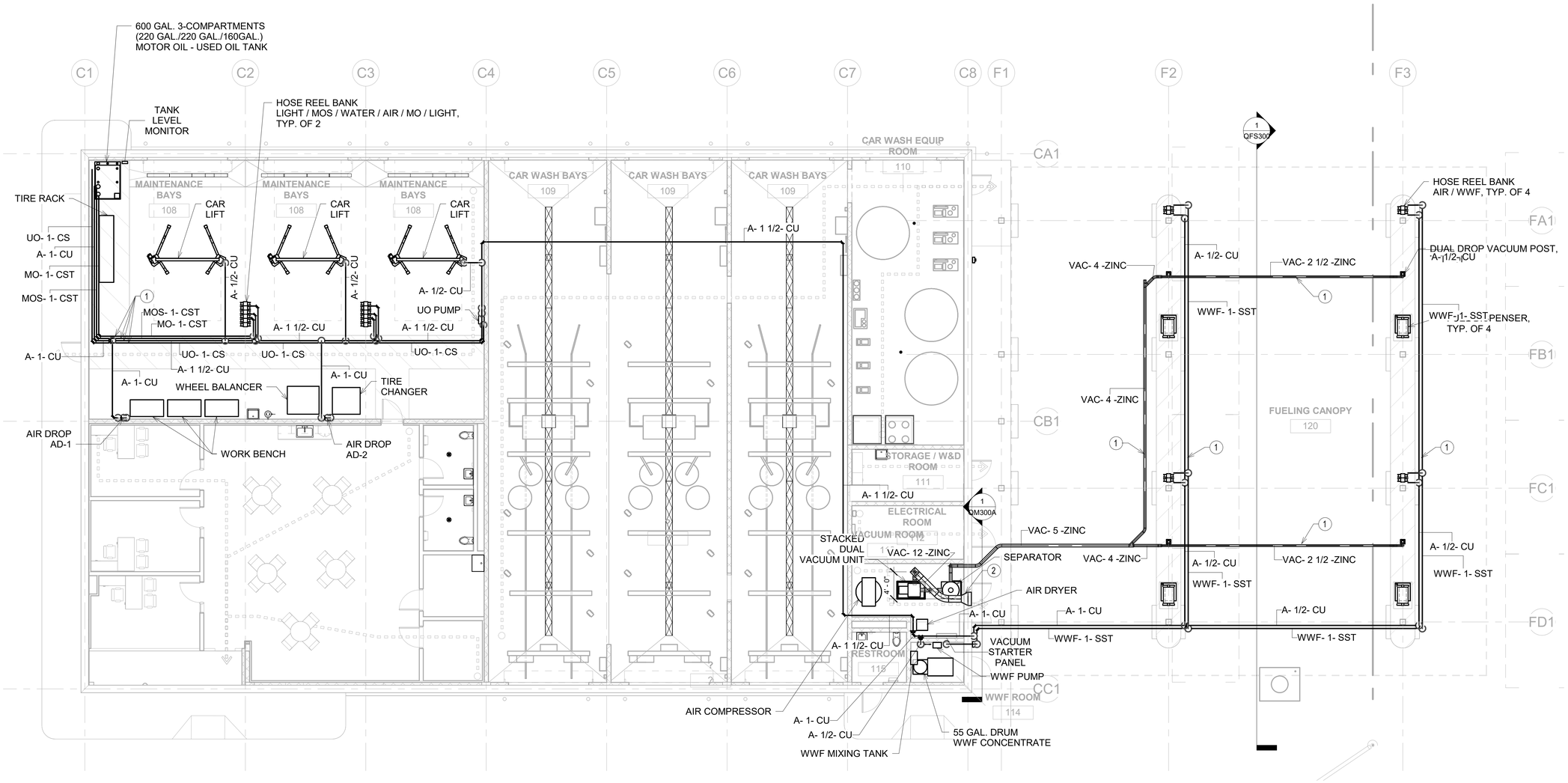
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CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QM001

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KEYNOTES

1. REFER TO SHEET QM500 DETAILS 4 & 5 FOR PIPING SUPPORT.
2. PROVIDE TRANSITION FROM 12" DUCTING TO EXHAUST LOUVER. REFER TO MECHANICAL DRAWINGS FOR EXHAUST LOUVER SIZE.



1 MAINTENANCE SYSTEMS QTA BUILDING A PIPING PLAN
1/8" = 1'-0"

BUILDING A | BUILDING B | BUILDING C

SITE KEY

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LICENSED PROFESSIONAL
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FL LICENSE NUMBER
X61134X

PROJECT NUMBER	144124059
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1/8" = 1'-0"	
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MAINTENANCE SYSTEMS QTA BUILDING A PIPING PLAN

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

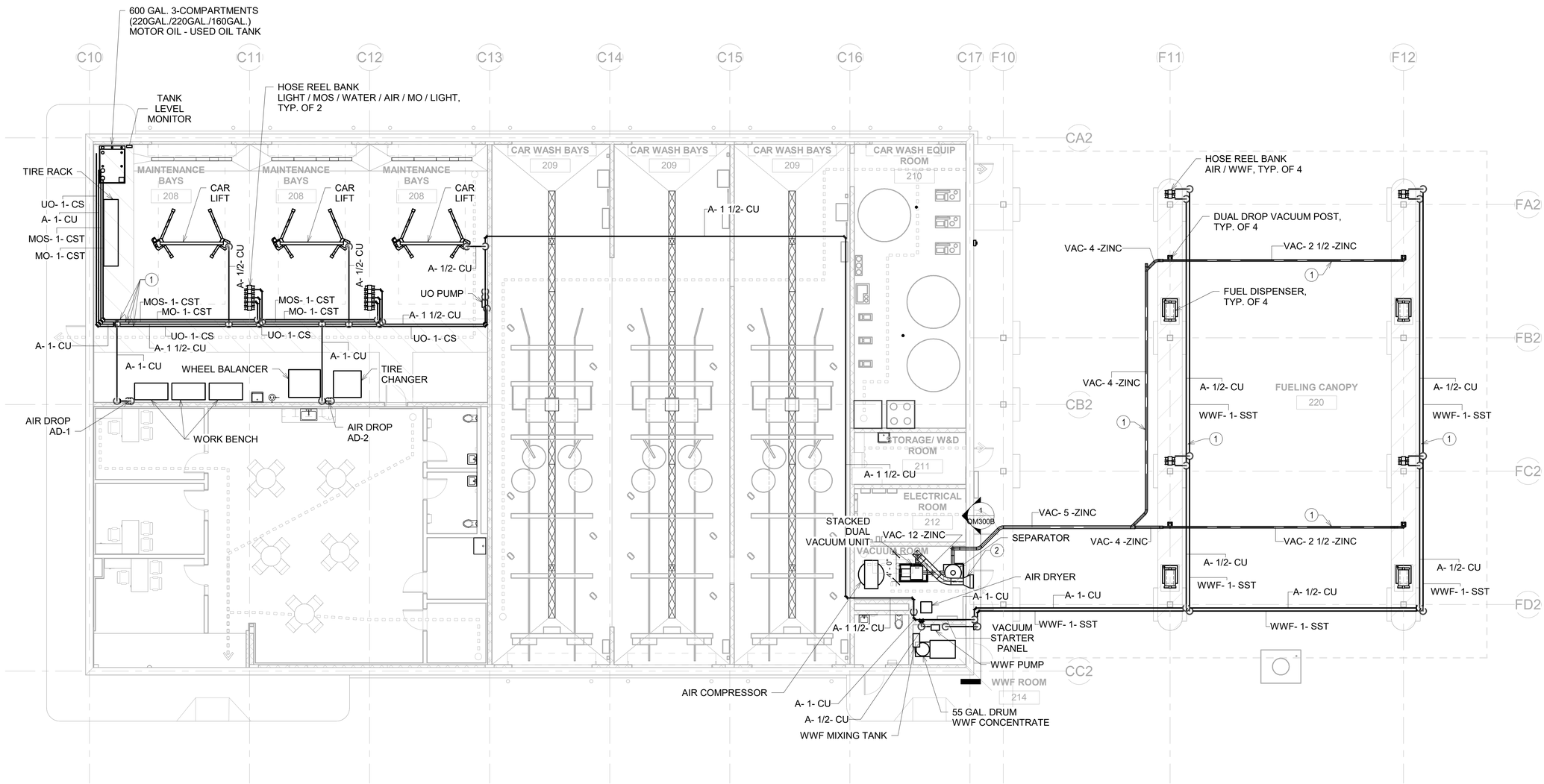
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KEYNOTES

1. REFER TO SHEET QM500 DETAILS 4 & 5 FOR PIPING SUPPORT.
2. PROVIDE TRANSITION FROM 12" DUCTING TO EXHAUST LOUVER. REFER TO MECHANICAL DRAWINGS FOR EXHAUST LOUVER SIZE.



1 MAINTENANCE SYSTEMS QTA BUILDING B PIPING PLAN
1/8" = 1'-0"

BUILDING A | BUILDING B | BUILDING C

SITE KEY

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144124059	AB	AB	BE
DATE: JAN 2025	1/8" = 1'-0"		

MAINTENANCE SYSTEMS QTA BUILDING B PIPING PLAN

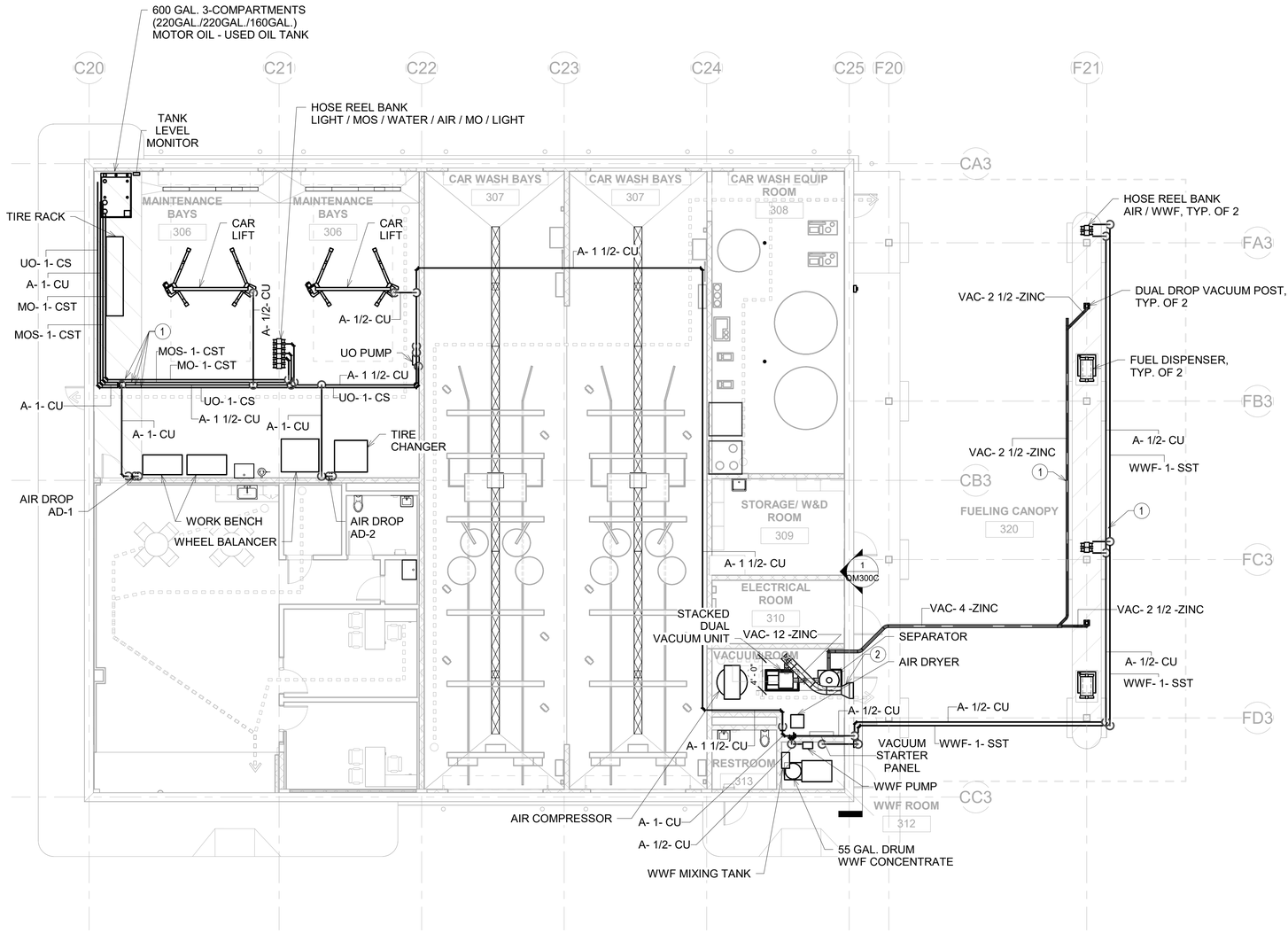
QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QM100B

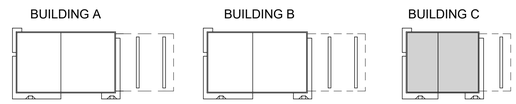
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KEYNOTES

1. REFER TO SHEET QM500 DETAILS 4 & 5 FOR PIPING SUPPORT.
2. PROVIDE TRANSITION FROM 12" DUCTING TO EXHAUST LOUVER. REFER TO MECHANICAL DRAWINGS FOR EXHAUST LOUVER SIZE.



1 MAINTENANCE SYSTEMS QTA BUILDING C PIPING PLAN
1/8" = 1'-0"



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BLYMYER ENGINEERS
1701 MARKA VILLACE HIGHWAY #100
ALAMEDA, CA 94501 510.521.3775

LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

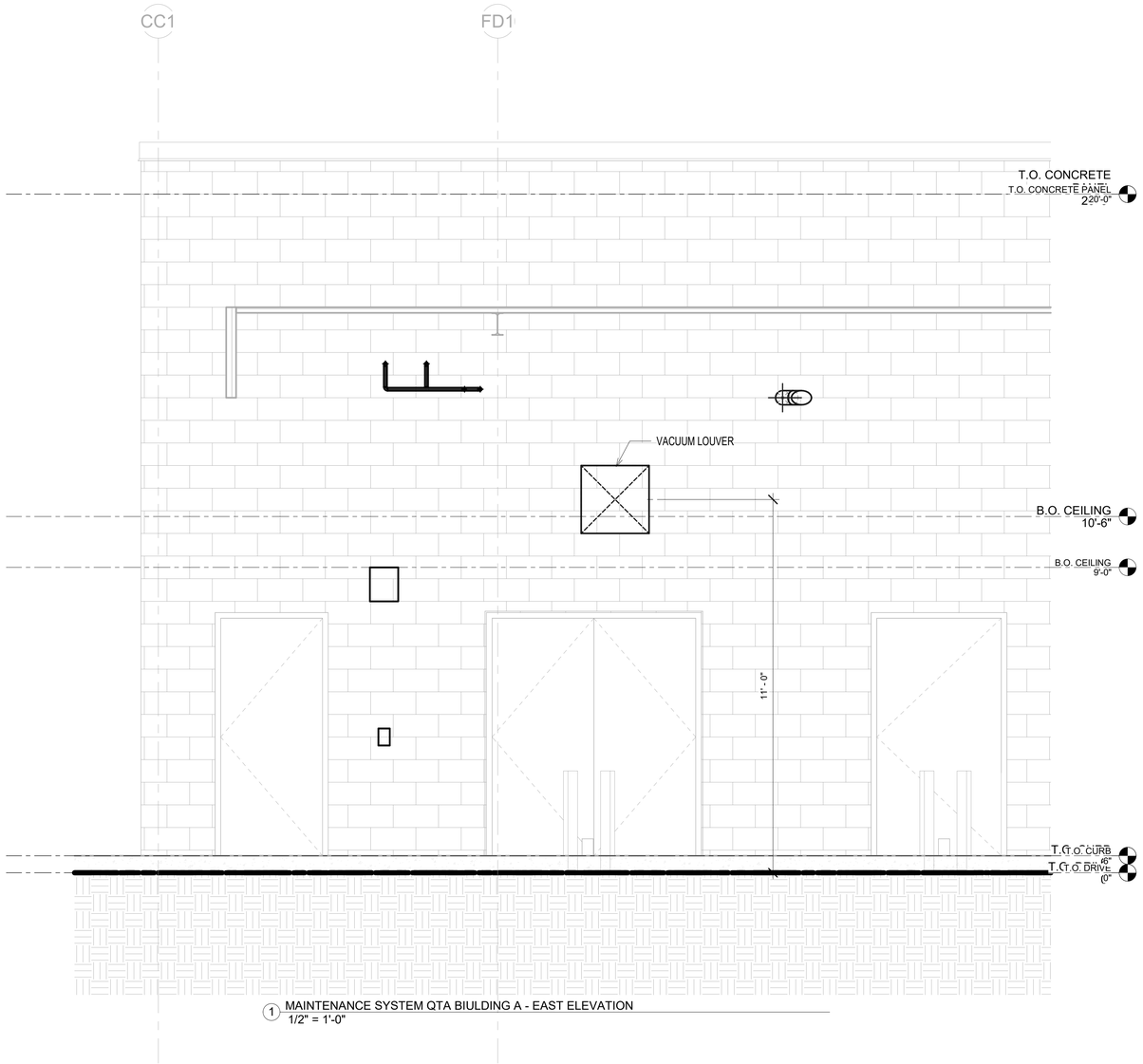
PROJECT NUMBER	144124059
DATE	JAN 2025
1/8" = 1'-0"	
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MAINTENANCE SYSTEMS QTA BUILDING C PIPING PLAN

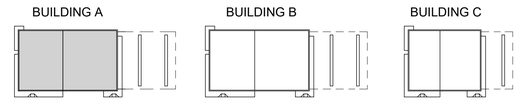
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1 MAINTENANCE SYSTEM QTA BIULDING A - EAST ELEVATION
1/2" = 1'-0"



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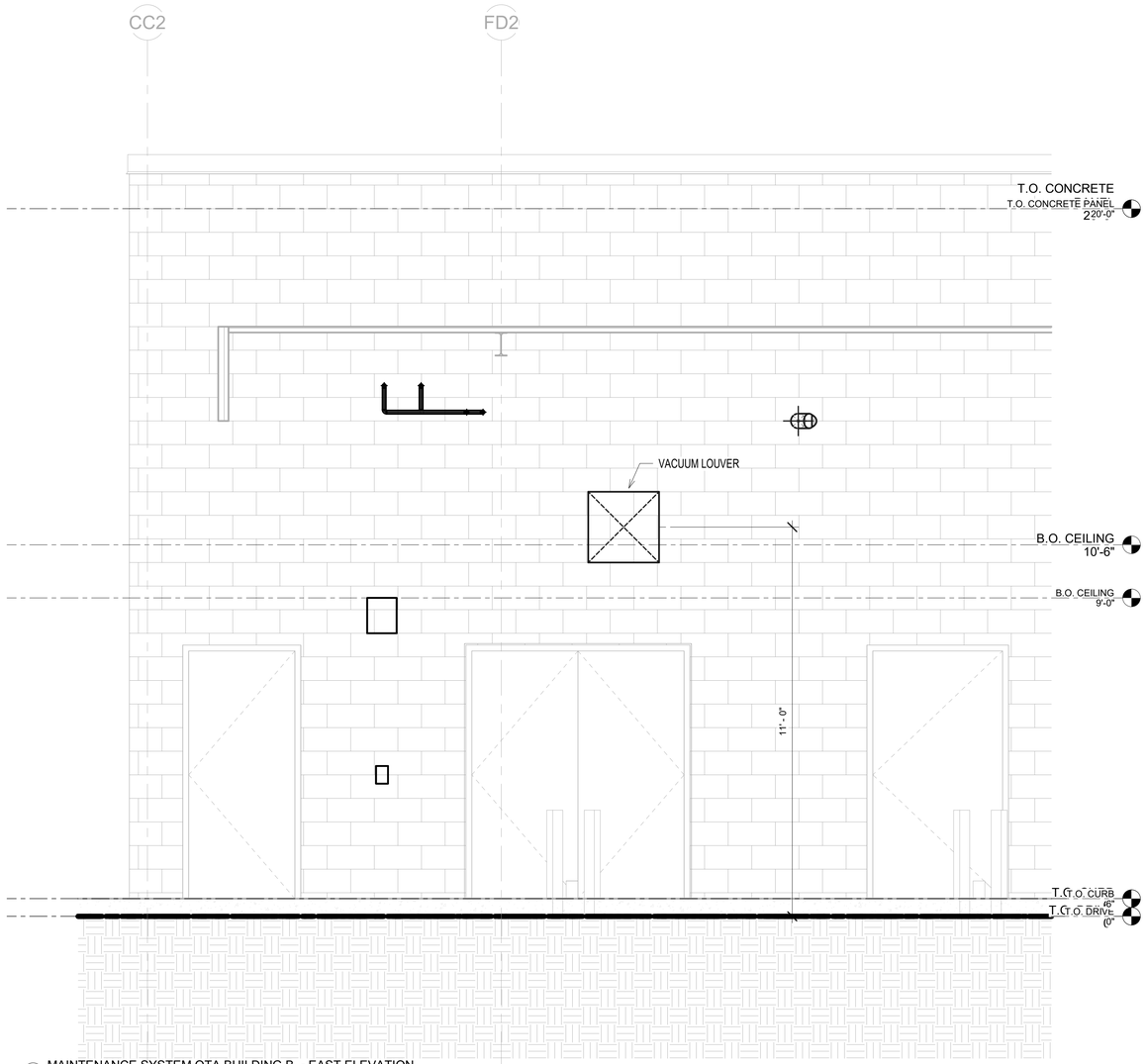
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MAINTENANCE SYSTEM QTA BUILDING A - EAST ELEVATION

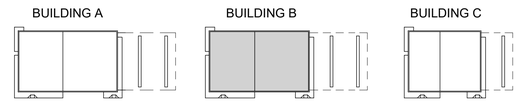
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1 MAINTENANCE SYSTEM QTA BUILDING B - EAST ELEVATION
1/2" = 1'-0"



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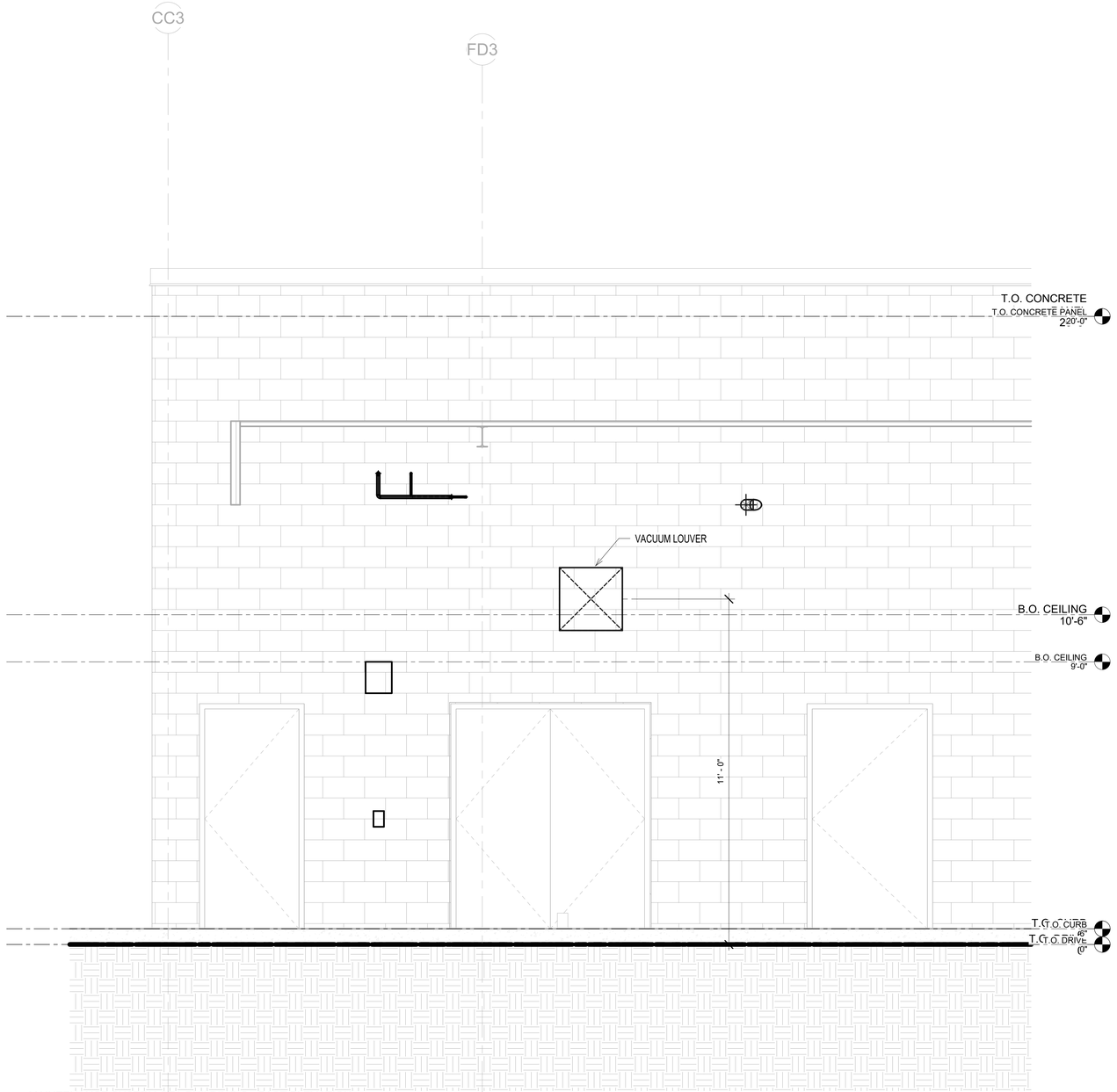
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1/2" = 1'-0"	
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MAINTENANCE SYSTEM QTA BUILDING B - EAST ELEVATION

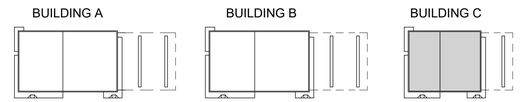
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1 MAINTENANCE SYSTEM QTA BUILDING C - EAST ELEVATION
1/2" = 1'-0"



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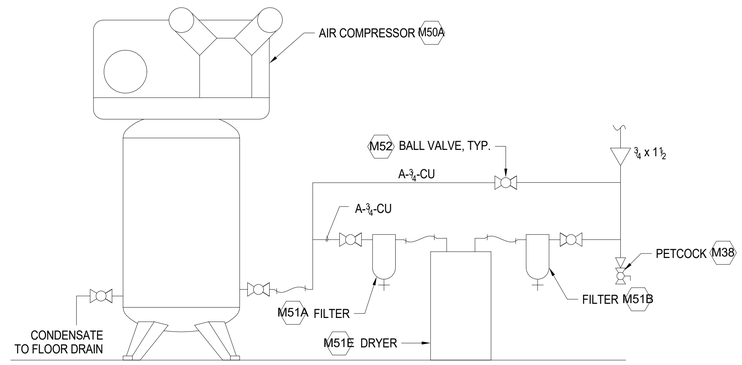
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MAINTENANCE SYSTEM QTA BUILDING C - EAST ELEVATION

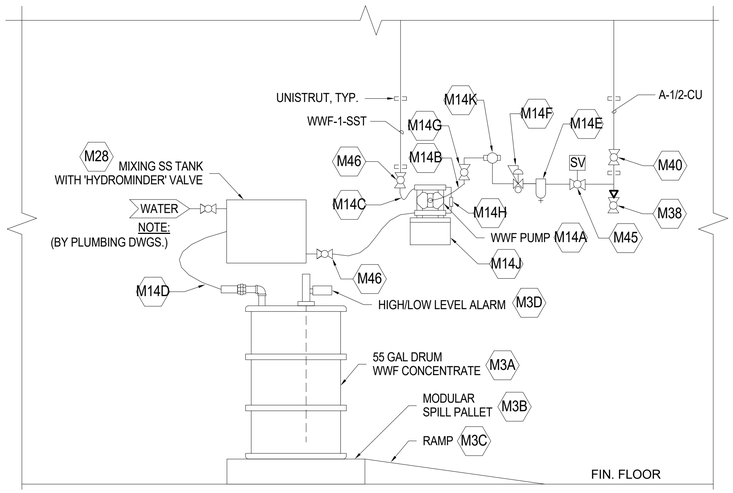
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SHEET NUMBER
QM300C

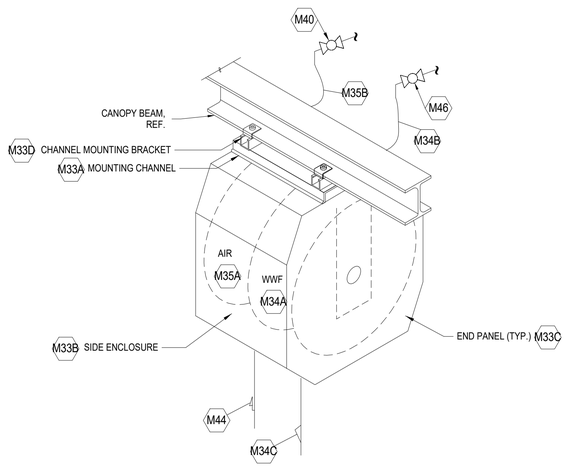
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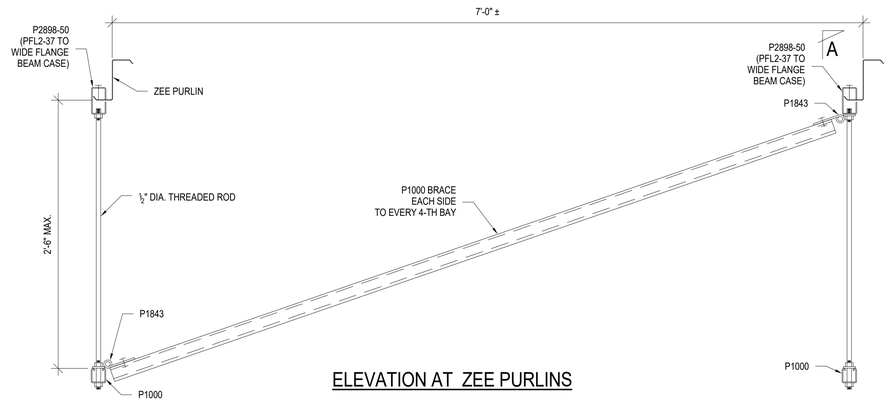
1 AIR COMPRESSOR DETAIL
NTS



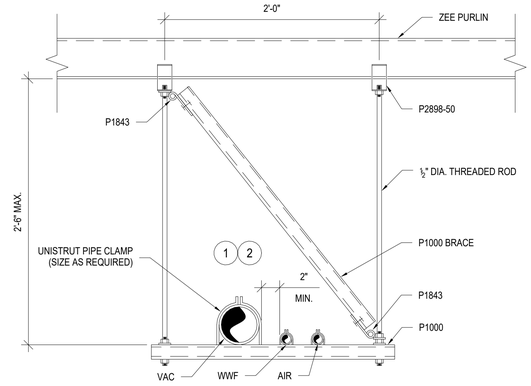
2 WWF PUMP DETAIL
NTS



3 FUEL ISLAND HOSE REEL BANK
NTS

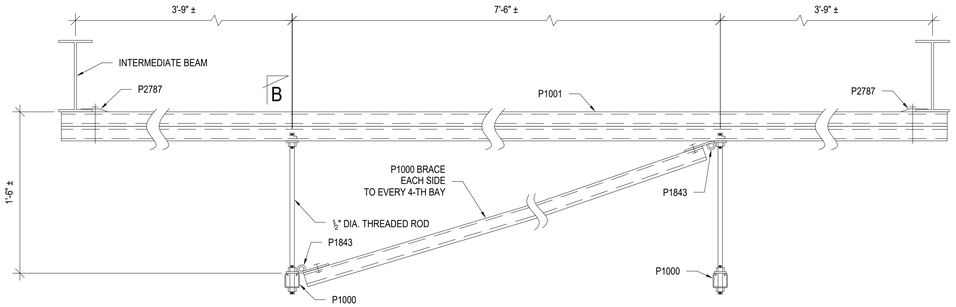


ELEVATION AT ZEE PURLINS

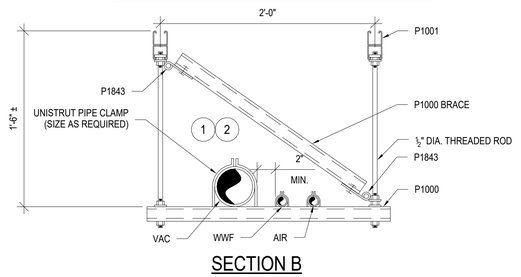


SECTION A

4 PIPING SUPPORT FROM ZEE PURLIN
NTS



ELEVATION AT INTERMEDIATE BEAMS



SECTION B

5 PIPING SUPPORT FROM INTERMEDIATE BEAM
NTS

GENERAL NOTES

1 REFER TO SHEETS QM600, QM601 AND QM602 FOR EQUIPMENT SCHEDULE.

KEYNOTES

1 NUMBER OF PIPES VARIES.

2 ALL HANGERS SHALL BE GALVANIZED FOR WET SERVICE.
ZINC COATING IS NOT ALLOWED.

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BLYMYER ENGINEERS
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JACKSONVILLE, FLORIDA 32202 904.354.0212

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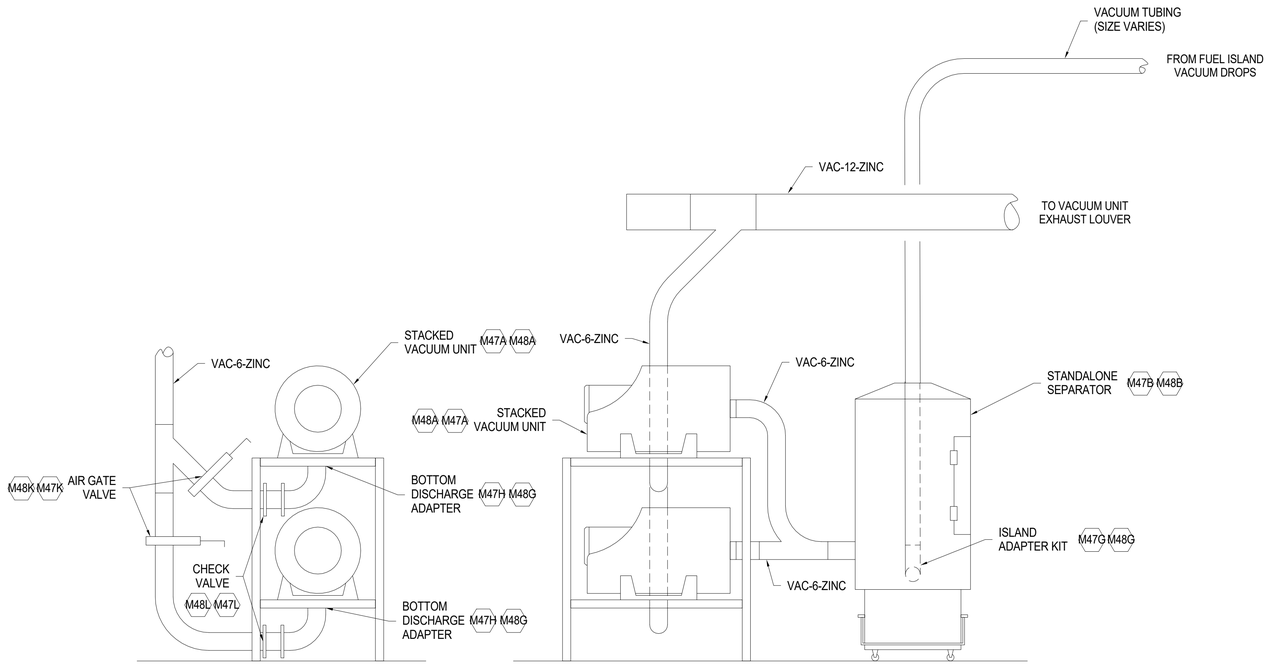
PROJECT NUMBER	DESIGNED BY	AB
144124059		
DATE	DRAWN BY	AB
JAN 2025		
As indicated	CHECKED BY	BE

COMPRESSED AIR AND WWF SYSTEM DETAILS

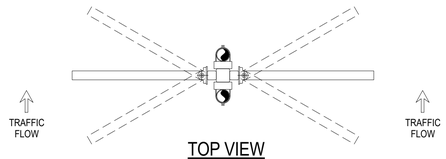
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FLORIDA

SHEET NUMBER
QM500

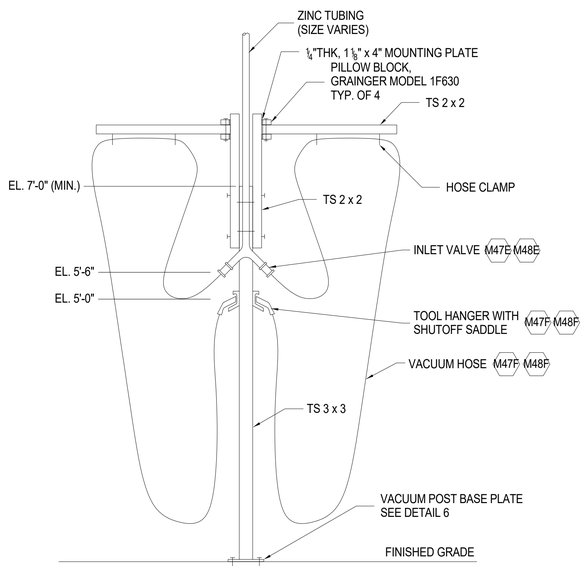
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1 VACUUM UNIT DETAIL
NTS

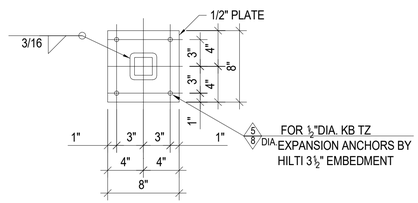


TOP VIEW



ELEVATION

2 VACUUM DROP DETAIL
NTS



3 VACUUM POST BASE PLATE DETAIL
NTS

GENERAL NOTES

1 REFER TO SHEETS QM600, QM601 AND QM602 FOR EQUIPMENT SCHEDULE.

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KANSAS CITY, MO 64081 816.521.1775

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GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	DESIGNED BY	
144124059	AB	
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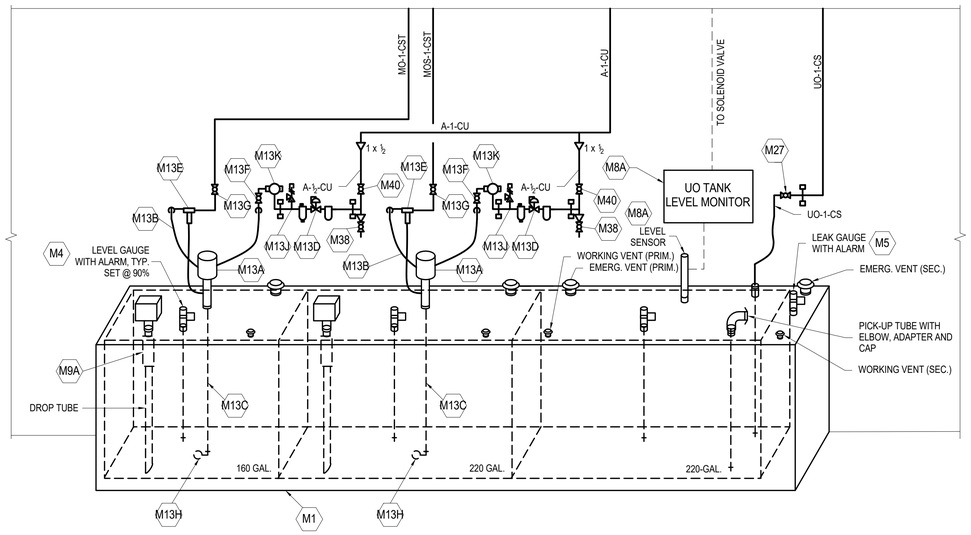
VACUUM SYSTEM DETAILS

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QM501

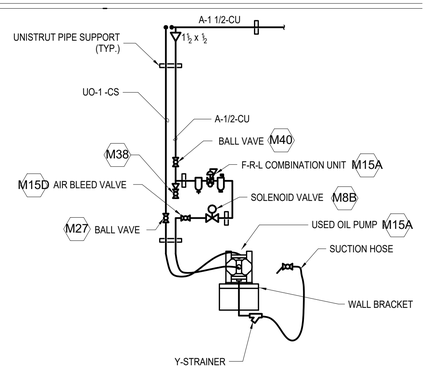
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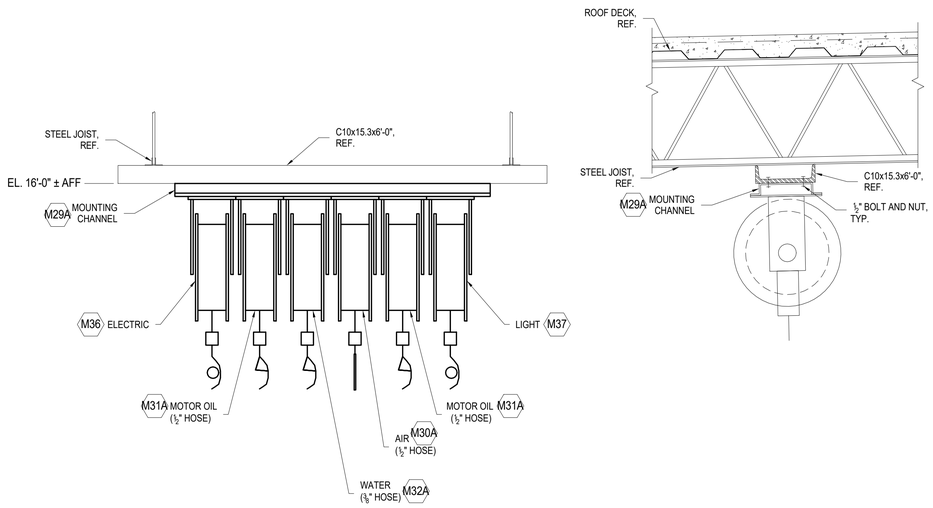
NOTE: PIPING, FITTINGS AND VALVES ARE ROTATED FOR CLARITY.

1 MOTOR OIL / USED OIL TANK DETAIL
NTS



FIN. FLOOR

2 USED OIL PUMP DETAIL
SCALE: NTS



3 HOSE REEL BANK FOR MAINTENANCE BAYS DETAIL
NTS

GENERAL NOTES

1 REFER TO SHEETS QM600, QM601 AND QM602 FOR EQUIPMENT SCHEDULE.

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FL LICENSE NUMBER
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LUBRICATION SYSTEM DETAILS

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CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QM502

EQUIPMENT SCHEDULE

ITEM	NO. REQ'D	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SIZE/CAPACITY	CONNECTIONS	FURNISHED BY: TENANT	FURNISHED BY: CONTR.	INSTALLED BY: TENANT	INSTALLED BY: CONTR.	REMARKS	EQ#
LUBE TANKS AND EQUIPMENT												
M1	3	MOTOR OIL - USED OIL AST ABOVEGROUND DOUBLE-WALLED STEEL TANK, U.L. 142. SUPPLIER TO PROVIDE PRESSURE / VACUUM NORMAL VENTS, EMERGENCY VENTS ON PRIMARY & SECONDARY TANKS, (3) LEVEL GAUGE, (1) LEAK GAUGE, (2) LOCK FOR FILL CAP, (2) 7-GAL. SPILL BOX FOR MOTOR OIL AND (1) DBL-TAPPED BUSHING WITH PICK-UP TUBE & CAM FITTING ADAPTER AND CAP FOR USED OIL.	CONTAINMENT SOLUTIONS	LUBE CUBE	600-GAL. COMPARTMENTALIZED TANK (220/220/160) 5'-7"L x 3'-10"W x 5'-1"H 220 GAL. - USED OIL 220 GAL. - MO SYNT. 160 GAL. - MO	PRIMARY USED OIL COMPARTMENT: 1-4" FITTING SPARE 1-2" FITTING (PICK-UP) 1-2" WORKING VENT 1-2" LEVEL GAUGE 1-2" LEVEL MONITOR SENSOR 1-4" EMERG. VENT PRIMARY EACH PRIMARY MOTOR OIL COMPARTMENT: 1-4" FITTING (FILL) 1-2" WORKING VENT 1-2" LEVEL GAUGE 1-2" PUMP 1-2" SPARE 1-4" EMERG. VENT PRIMARY SECONDARY CONTAINMENT: 1-4" EMERG. VENT SECONDARY 1-2" WORKING VENT 1-2" LEAK GAUGE		✓		✓	-	EQ-474 EQ-155A
M2	--	NOT USED										
M3 A B C D	 3 3 3 3	55-GAL. DRUM WITH WWF CONCENTRATE SINGLE DRUM MODULAR SPILL PALLET RAMP HIGH/LOW LEVEL GAUGE WITH AUDIBLE ALARM, STAINLESS STEEL COMPONENTS	- EAGLE EAGLE KRUEGER SENTRY	- 1633 1689 DIRECT MOUNTED				✓		✓	-	
M4 A B	 9 9	LEVEL GAUGE FOR MOTOR OIL - USED OIL AST DIRECT MOUNT ALARM, BATTERY OPERATED	 KRUEGER SENTRY KRUEGER SENTRY	 TYPE 'H' DALARM				✓		✓	LEVEL ALARM SET @90% TANK CAPACITY	EQ-730
M5 A B	 3 3	LEAK GAUGE FOR MOTOR OIL - USED OIL AST DIRECT MOUNT ALARM, BATTERY OPERATED	 KRUEGER SENTRY KRUEGER SENTRY	 TYPE 'K' DALARM				✓		✓		EQ-675
M6-M7	--	NOT USED										
M8 A B C	 3 3 3	TANK LEVEL MONITOR WITH LEVEL SENSOR ALARM AND STROBE LIGHT (007) REMOTE SOLENOID VALVE REMOTE STROBE LIGHT (007)	HUSKY CORP.	007-007575 007SV-7580 007-7695	120V, 1PH RECEPTACLE 120V, 1PH RECEPTACLE			✓		✓	FOR USED OIL TANK	EQ-807
M9 A B C	 6 6 6	OVERFILL PREVENTION VALVE DROP TUBE KIT DUST CAP	 OPW OPW OPW	 61fSTOP-2000 61FT-0206 634B-0160	 2"x4" 2" 2"	 -		✓		✓	FOR USE WITH MO TANK	EQ-225
M10-M12	--	NOT USED										
M13 A B C D E F G H J K	6	MOTOR OIL PUMP SYSTEM 6:1 PUMP HOSE KIT SUCTION TUBE F-R-L COMBO UNIT THERMAL RELIEF KIT - 900 PSIG AIR SHUTOFF VALVE, BLEED TYPE FLUID SHUTOFF VALVE LOW LEVEL PUMP CUT-OFF PRESSURE RELIEF VALVE RUNAWAY VALVE	GRACO	 238-108 222-066 238-596 217-072 237-893 110-225 110-314 203-688 103-347 224-040	 -- -- -- 1/2" -- -- 1" -- 100 psi	--		✓		✓		
M14	3	WINDSHIELD WASHER FLUID PUMP SYSTEM 1:1 DIAPHRAGM PUMP AIR HOSE FLUID HOSE SUCTION HOSE KIT AIR LINE FILTER AIR REGULATOR AND GAUGE AIR SHUTOFF VALVE, BLEED TYPE THERMORELIEF VALVE WALL BRACKET RUNAWAY VALVE	GRACO	 647-016 205-418 115-042 236-054 106-149 244-844 110-225 112-119 24C-637 224-040	 1"			✓		✓		
M15 A B C D	3	USED OIL PUMP SYSTEM USED OIL EVACUATION SYSTEM NOT USED USED OIL RECEIVER AIR SHUTOFF VALVE, BLEED TYPE	GRACO	 24E166 WITH 647731 PUMP - 238-866 110-225	 1" HUSKY 1050 PUMP			✓		✓	20 MESH SCREEN 10 FT OF SUCTION HOSE	
M16-26	--	NOT USED										
M27	22	SHUT-OFF VALVE FOR OIL	GRACO	110-314	1"			✓		✓		
M28	3	WINDSHIELD WASHER FLUID MIXING SYSTEM AUTOMATIC MIXING STAINLESS STEEL TANK WITH 'HYDROMINDER' VALVE	DULTMEIER	DUWT15SS WALL MOUNTED	24"x24"x12", 27-GAL.	1"		✓		✓		

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FL LICENSE NUMBER
X61134X

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DATE: JAN 2025			
NTS			

MAINTENANCE SYSTEMS EQUIPMENT SCHEDULE

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CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QM600

EQUIPMENT SCHEDULE

ITEM	NO. REQ'D	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SIZE/CAPACITY	CONNECTIONS	FURNISHED BY: TENANT	FURNISHED BY: CONTR.	INSTALLED BY: TENANT	INSTALLED BY: CONTR.	REMARKS
LUBE TANKS AND EQUIPMENT											
M29 A B C	5 - 15	6-REEL MOUNTING CHANNEL, OPEN NOT USED CHANNEL MOUNTING BRACKETS	GRACO	24A-222 - 204-741				✓		✓	
M30 A B	5 5	HOSE REEL ASSEMBLY - AIR (OPEN) HOSE INLET KIT	GRACO	HSL65B 218-549	1/2" x 50' 1/2" x 24"			✓		✓	
M31 A B C	10 10 10	HOSE REEL ASSEMBLY - MOTOR OIL (OPEN) HOSE INLET KIT DISPENSE VALVE WITH ELECTRONIC METER	GRACO	HSM65B 218-549 255-350	1/2" x 50' 1/2" x 24" 1/2"			✓		✓	
M32 A B C	5 5 5	HOSE REEL ASSEMBLY - WATER (OPEN) HOSE INLET KIT DISPENSE BIBB	GRACO	HSL56B 218-549 180-685	3/8" x 65' 1/2" x 24"	½" WATER SUPPLY		✓		✓	
M33 A B C D	10 20 10 20	2-REEL MOUNTING CHANNEL, ENCLOSED SIDE ENCLOSURE KIT END PANEL KIT MOUNTING BRACKET	GRACO	203-522 24A-218 24A-951 204-741				✓		✓	
M34 A B C	10 10 10	HOSE REEL ASSEMBLY - WINDSHIELD WASHING FLUID-WWF (ENCLOSED) HOSE INLET KIT DISPENSE BIBB	GRACO	HPL65B 218-549 180-685	1/2" x 50' 1/2" x 24"	--		✓		✓	SD SERIES FOR FUEL ISLANDS
M35 A B	10 10	HOSE REEL ASSEMBLY - AIR (ENCLOSED) HOSE INLET KIT		HPL56B 218-549	3/8" x 65' 1/2" x 24"						SD SERIES FOR FUEL ISLANDS
M36	5	ELECTRIC CORD REEL, 50 FT CORD	REELCRAFT	L 5550 123 7		125V, 15 AMP		✓		✓	
M37	5	LIGHT CORD REEL, 50 FT CORD WITH FLUORESCENT LIGHT FIXTURE	REELCRAFT	L 4050 163 8		125V, 10 AMP		✓		✓	
M38	18	SHUT-OFF VALVE, AIR (PETCOCK)	GRACO	208-390	¼"	--		✓		✓	
M39	--	NOT USED									
M40	42	SHUT-OFF VALVE, AIR	GRACO	107-142	1/2"	--		✓		✓	
M41	--	NOT USED									
M42 A B	16 16	QUICK CONNECT COUPLER QUICK CONNECT COUPLER	GRACO GRACO	208-536 110-198	1/4" 3/8"	-		✓		✓	FOR CARLIFTS
M43	14	FILTER-REGULATOR-LUBE COMBO UNIT	GRACO	217-072	1/2"			✓		✓	
M44	10	TIRE INFLATOR	GRACO	236-206				✓		✓	FOR FUEL ISLANDS
M45	3	SOLENOID VALVE, NORMALLY CLOSED 200 PSI MAX DIFFERENTIAL PRESSURE, EXPLOSION PROOF	MAGNATROL	18A32	1/2"	--		✓		✓	FOR AIR SUPPLY TO WWF PUMPS
M46	16	SHUT-OFF VALVE, STAINLESS STEEL, WWF	JOMAR	T-SS-1001-N	1"	--		✓		✓	

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ALMEDA, GA 30021 610.521.3775

LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER 144124059
DATE JAN 2025
NTS
DESIGNED BY AB
DRAWN BY AB
CHECKED BY BE

MAINTENANCE SYSTEMS EQUIPMENT SCHEDULE

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QM601

EQUIPMENT SCHEDULE

ITEM	NO. REQ'D	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SIZE/CAPACITY	CONNECTIONS	FURNISHED BY: TENANT	FURNISHED BY: CONTR.	INSTALLED BY: TENANT	INSTALLED BY: CONTR.	REMARKS
MISCELLANEOUS EQUIPMENT											
M47		VACUUM SYSTEM - CARVAC SERIES, STATIONARY	SPENCER								
A	1	TWO VACUUM UNITS STACKED		SC-515-VP-PB	400 SCFM @ 6.0"HG EACH UNIT	2 x 15HP, 460V, 3PH, 60HZ TEFC MOTOR		✓		✓	FOR BUILDINGS 'A' AND 'C'
B	1	STANDALONE SEPARATOR		SEP305433P							
C	1	FILTER BAG GROUNDING WIRE & LUG		-							
D	1	DUPLEX VACUUM SINGLE CONTROL PANEL IN NEMA 1 ENCLOSURE		CSCP2E-DUPLEX							
E	4	INLETS		VLV-90083							
F	4	CAR CARE KIT WITH 1.5"DIA. x 25' LG. STATIC PROOF HOSE		KAC-90108							
G	1	ISLAND ADAPTER KIT		PLT-90023							
H	2	BOTTOM DISCHARGE CONVERSION ADAPTER		KAC-90144							
J	2	ISLAND TOOL POST ASSEMBLY		SUP-90127							
K	2	AIR GATE VALVE 6"		VLV-90129							
L	2	CHECK VALVE 6"		VLV-90518							
M48		VACUUM SYSTEM - CARVAC SERIES, STATIONARY	SPENCER								
A	2	TWO VACUUM UNITS STACKED		SC-525-VP-PB	800 SCFM @ 6.0"HG EACH UNIT	2 x 25HP, 460V, 3PH, 60HZ TEFC MOTOR		✓		✓	FOR BUILDING 'B'
B	2	STANDALONE SEPARATOR		SEP305433P							
C	2	FILTER BAG GROUNDING WIRE & LUG		-							
D	2	DUPLEX VACUUM SINGLE CONTROL PANEL IN NEMA 1 ENCLOSURE		CSCP2E-DUPLEX							
E	16	INLETS		VLV-90083							
F	16	CAR CARE KIT WITH 1.5"DIA. x 25' LG. STATIC PROOF HOSE		KAC-90108							
G	2	ISLAND ADAPTER KIT		PLT-90023							
H	4	BOTTOM DISCHARGE CONVERSION ADAPTER		KAC-90144							
J	8	ISLAND TOOL POST ASSEMBLY		SUP-90127							
K	4	AIR GATE VALVE 6"		VLV-90129							
L	4	CHECK VALVE 6"		VLV-90518							
M49	-	NOT USED									
M50			CHAMPION								
A	3	AIR COMPRESSOR, VERTICAL 120-GAL. RECEIVER, MANUAL DRAIN PORT, MOUNTED MOTOR STARTER, LOW LEVEL OIL SWITCH, AND AIR-COOLED AFTER COOLER		VR10-12	10 HP, 37 ACFM@125 PSI MAX.	10. HP, 480V, 3PH, 60HZ		✓		✓	
B	3	AUTO CONDENSATE DRAIN VALVE WITH 1/8" DRAIN PORT. FULLY PACKAGED				120V (DRAIN VALVE)					
M51			CHAMPION								
A	3	AIR FILTER GENERAL PURPOSE		CFF170A 17L	3/4"			✓		✓	
B	3	AIR FILTER HIGH EFFICIENCY	CHAMPION	CFF170E 17L	3/4"						
C	9	AIR FLEX CONNECTOR	AEROQUIP	FC465-20	3/4"						
D	3	START-UP KIT	CHAMPION	-	-						
E	3	AIR DRYER	CHAMPION	CRN75	3/4"	115V, 1PH, 60 HZ					
M52	A/R	BALL VALVE	MORRISON	691	AS REQUIRED			✓		✓	
M53-M55	-	NOT USED									
M56			ROTARY	SPOA10iB							
A	8	CAR LIFT - INBAY, ASYMMETRICAL, 2-POST	ROTARY	FJ6133BK	10,000 LBS.	AIR/ELECTRIC 208V, 1PH, 2 HP		✓		✓	ORDER F-R-L SEPERATELY - AIR/ELECTRIC WORKSTATION IS INTEGRATED.
B	8	ADAPTER SET	ROTARY	FA5910BK		120 V					
C	8	WORK STATION	ROTARY	FF729							
D	8	SPOTTING DISH	ROTARY								
M57-M82	-	NOT USED									
M83	8	WORK BENCH	SHURE	780024	24" x 60"		✓		✓		
M84	3	TIRE CHANGER	COATS	5065AX			✓		✓		
M85	3	WHEEL BALANCER	COATS	1055	1½ HP	208V, 60 Hz, 3PH FUSED AT 20 AMPS	✓		✓		–
M86	3	TIRE STORAGE RACK	SHURE	973766	120" x 96¾"H x 25⅝"D		✓		✓		

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LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	DESIGNED BY	DRAWN BY	CHECKED BY
144124059	AB	AB	BE
DATE: JAN 2025			
NTS			

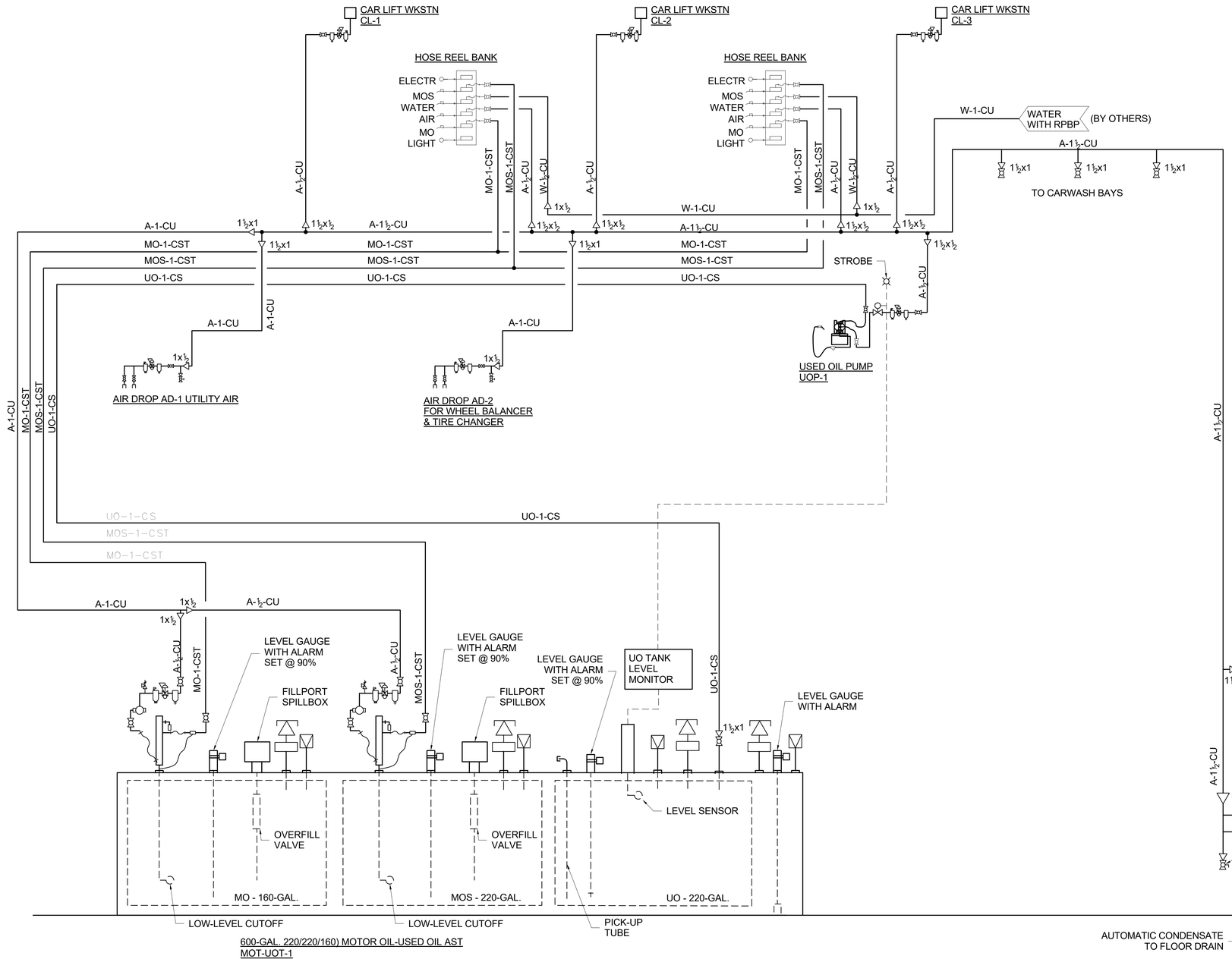
MAINTENANCE SYSTEMS EQUIPMENT SCHEDULE

QUICK - TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QM602

GENERAL NOTES

1. DIAGRAM IS SHOWN FOR QTA BUILDING A OR QTA BUILDING B FACILITIES.
   QTA BUILDING C FACILITY IS EQUIPPED WITH ONLY TWO CARLIFT STATIONS, ONE HOSE REEL BANK AND TWO AIR STUBS FOR CARWASH BAYS.



1 LUBRICATION SYSTEM PIPING AND INSTRUMENTATION DIAGRAM
NTS

LEGEND

LINE DESIGNATION

SIZE
MO-1-CST
SERVICE

A - COMPRESSED AIR
MO - MOTOR OIL
MOS -MOTOR OIL SYNTHETIC
UO - USED OIL
W - WATER

MATERIAL

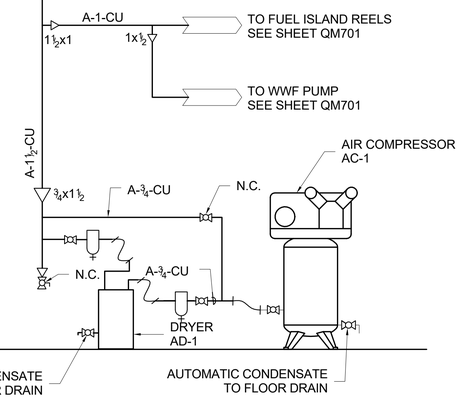
CS - CARBON STEEL, SCHD. 40
CST - CARBON STEEL TUBING, SEAMLESS
CU - COPPER TUBING, TYPE L

ABBREVIATIONS

N.C. - NORMALLY CLOSED

SYMBOLS

- BALL VALVE
- CHECK VALVE
- SOLENOID VALVE
- PETCOCK
- REDUCER
- WORKING VENT
- EMERGENCY VENT
- FITLER-REGULATOR-LUBRICATOR
- RUNAWAY VALVE
- PRESSURE RELIEF VALVE



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GREGORY MAZUR
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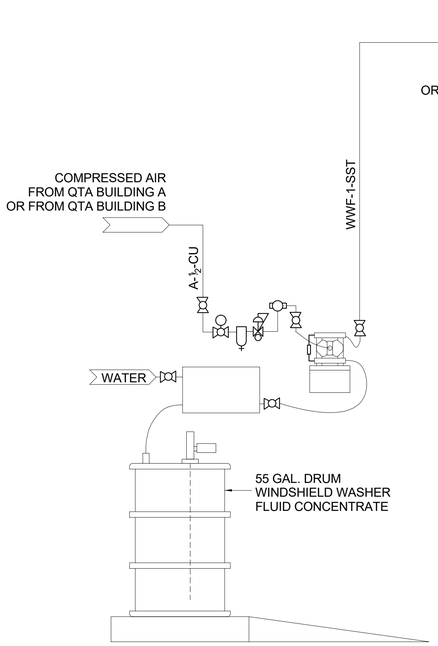
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MAINTENANCE SYSTEMS PIPING AND INSTRUMENTATION DIAGRAM

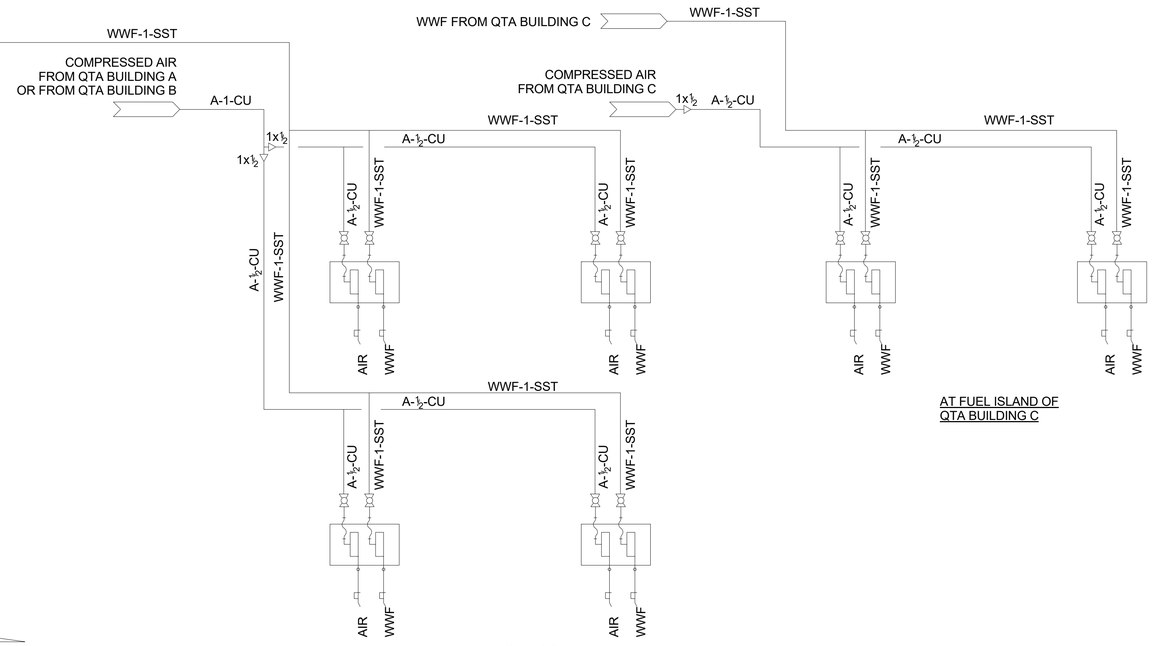
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PREPARED FOR
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CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QM700

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AT QTA BUILDING A
OR QTA BUILDING B



AT FUEL ISLAND OF
QTA BUILDING A OR
QTA BUILDING B

AT FUEL ISLAND OF
QTA BUILDING C

LEGEND:

LINE DESIGNATION

SIZE

A-1-CU

SERVICE

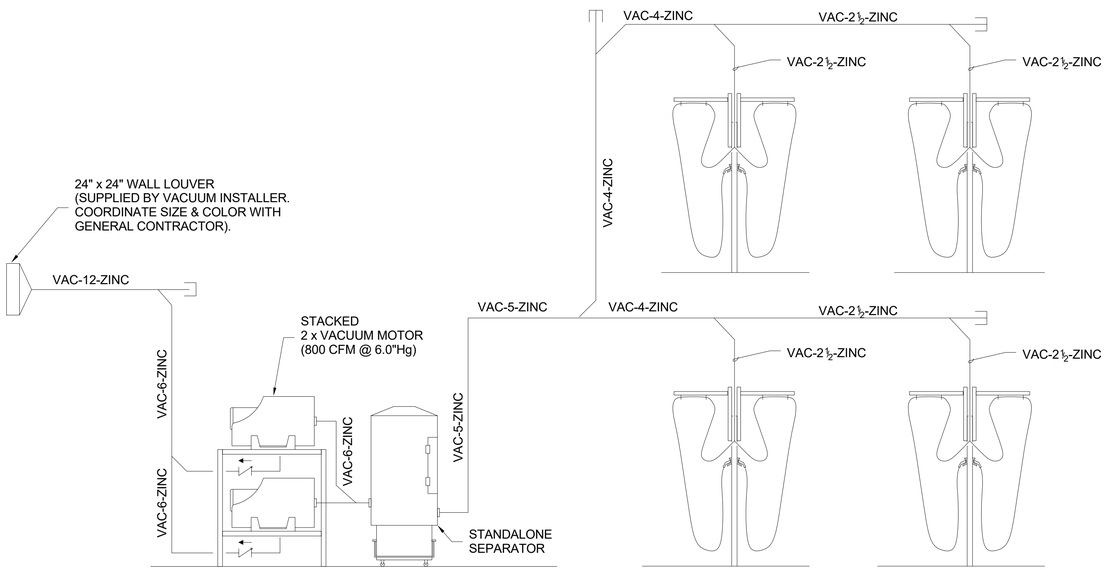
A - COMPRESSED AIR
VAC - VACUUM
WWF - WINDSHIELD
WASHING FLUID

MATERIAL

CU - COPPER TUBING, TYPE L
SST - STAINLESS STEEL TUBING
ZINC - ZINC TUBING

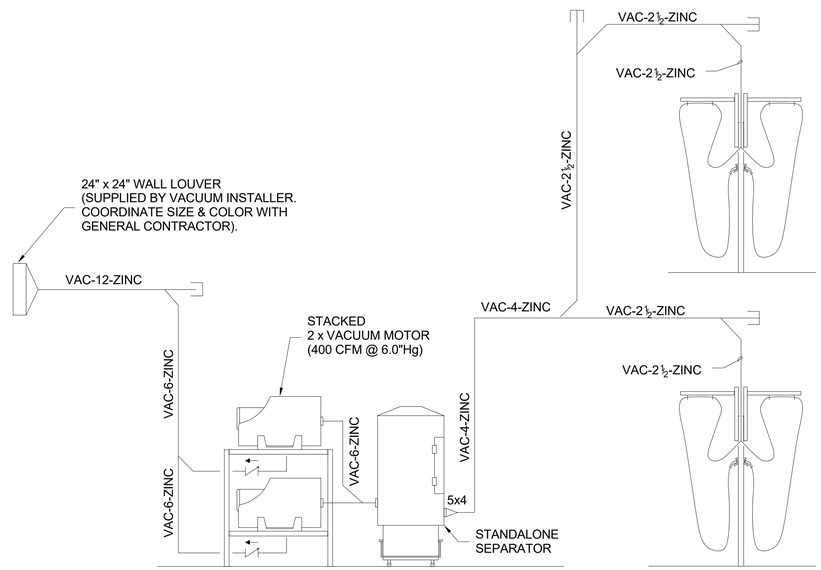
SYMBOLS

- EMERGENCY SHEAR VALVE
- BALL VALVE
- SOLENOID VALVE
- PRESSURE RELIEF VALVE
- CHECK VALVE
- PETCOCK
- REDUCER
- FLEXIBLE CONNECTOR
- PRESSURE REGULATOR
- AIR FILTER
- PIPING ABOVEGROUND



AT QTA BUILDING A
OR QTA BUILDING B

AT FUEL ISLAND OF
QTA BUILDING A OR
QTA BUILDING B



AT QTA BUILDING C

AT FUEL ISLAND OF
QTA BUILDING C

1 FUEL ISLANDS COMPRESSED AIR, WWF AND VACUUM SYSTEM PIPING AND INSTRUMENTATION DIAGRAM
NTS

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LICENSED PROFESSIONAL
GREGORY MAZUR
FL LICENSE NUMBER
X61134X

PROJECT NUMBER	DESIGNED BY	
144124059	AB	
DATE	DRAWN BY	
JAN 2025	AB	
NTS	CHECKED BY	
	BE	

MAINTENANCE SYSTEMS PIPING AND INSTRUMENTATION DIAGRAM

QUICK - TURNAROUND FACILITY

PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE
FLORIDA

SHEET NUMBER
QM701

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PANEL NAME: MSB-1

LOCATION: ELECTRICAL AREA
SUPPLY FROM: UTILITY
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 277/480V
PHASES: 3
WIRES: 3

AIC RATING: 42K
MAINS TYPE: MCB
MAINS RATING: 4000 A
4000 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A (VA)		B (VA)		C (VA)		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1				103,000	103,000								2
3	RECTIFIER 1	600	3			103,000	103,000			3	600	RECTIFIER 2	4
5								103,000	103,000				6
7				103,000	103,000								8
9	RECTIFIER 3	600	3			103,000	103,000			3	600	RECTIFIER 4	10
11								103,000	103,000				12
13				103,000	103,000								14
15	RECTIFIER 5	600	3			103,000	103,000			3	600	RECTIFIER 6	16
17								103,000	103,000				18
19				103,000	103,000								20
21	RECTIFIER 7	600	3			103,000	103,000			3	600	RECTIFIER 8	22
23								103,000	103,000				24
25				103,000	105,600								26
27	RECTIFIER 9	600	3			103,000	96,000			3	600	XFMR-1	28
29								103,000	83,400				30
31													32
33													34
35													36
37													38
39													40
41													42
				TOTAL LOAD:	1,032,600 VA		1,023,000 VA		1,010,400 VA				
				TOTAL AMPS:	3727.8 A		3693.1 A		3647.7 A				

PANEL NAME: LV-1

LOCATION: ELECTRICAL AREA
SUPPLY FROM: LV-1
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/208V
PHASES: 3
WIRES: 3

AIC RATING: 14K
MAINS TYPE: MLO
MAINS RATING: 500 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A (VA)		B (VA)		C (VA)		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EV 1	50	2	4,800	4,800					2	50	EV 2	2
3						4,800	4,800						4
5	EV 3	50	2					4,800	4,800	2	50	EV 4	6
7				4,800	4,800								8
9	EV 5	50	2			4,800	4,800			2	50	EV 6	10
11								4,800	4,800				12
13	EV 7	50	2	4,800	4,800					2	50	EV 8	14
15						4,800	4,800						16
17	EV 9	50	2					4,800	4,800	2	50	EV 10	18
19				4,800	4,800								20
21	EV 11	50	2			4,800	4,800			2	50	EV 12	22
23								4,800	4,800				24
25	EV 13	50	2	4,800	4,800					2	50	EV 14	26
27						4,800	4,800						28
29	EV 15	50	2					4,800					30
31				4,800									32
33													34
35													36
37													38
39													40
41													42
				TOTAL LOAD:	52,800 VA		48,000 VA		43,200 VA				
				TOTAL AMPS:	440 A		400 A		360 A				

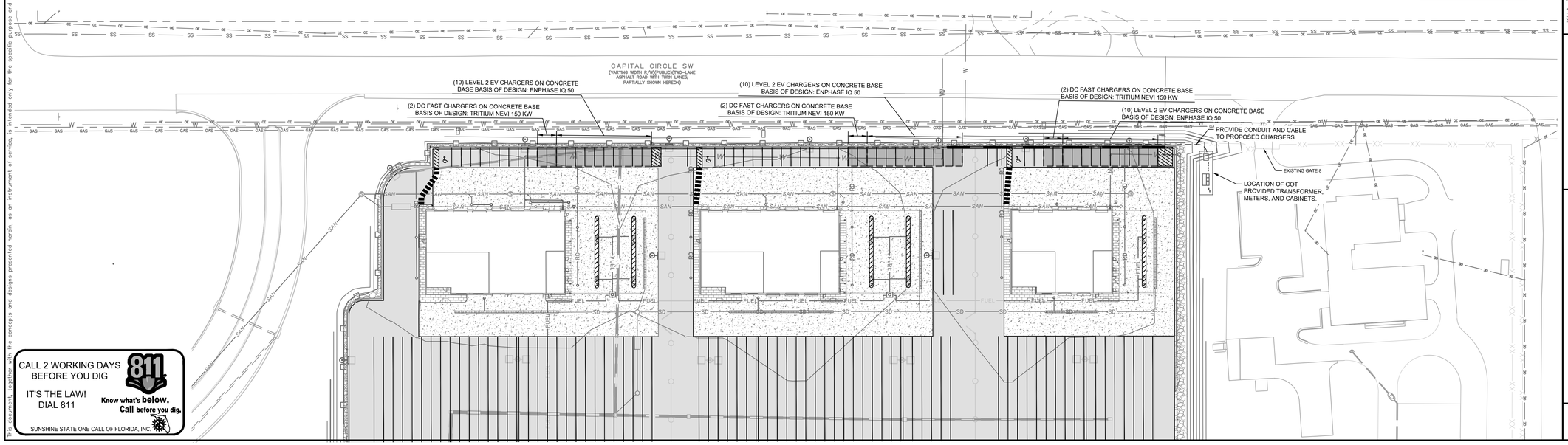
PANEL NAME: LV-2

LOCATION: ELECTRICAL AREA
SUPPLY FROM: LV-2
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTS: 120/208V
PHASES: 3
WIRES: 3

AIC RATING: 14K
MAINS TYPE: MLO
MAINS RATING: 500 A

CKT	CIRCUIT DESCRIPTION	TRIP	POLES	A (VA)		B (VA)		C (VA)		POLES	TRIP	CIRCUIT DESCRIPTION	CKT
1	EV 16	50	2	4,800	4,800					2	50	EV 17	2
3						4,800	4,800						4
5	EV 18	50	2					4,800	4,800	2	50	EV 18	6
7				4,800	4,800								8
9	EV 20	50	2			4,800	4,800			2	50	EV 20	10
11								4,800	4,800				12
13	EV 22	50	2	4,800	4,800					2	50	EV 22	14
15						4,800	4,800						16
17	EV 24	50	2					4,800	4,800	2	50	EV 24	18
19				4,800	4,800								20
21	EV 26	50	2			4,800	4,800			2	50	EV 26	22
23								4,800	4,800				24
25	EV 28	50	2	4,800	4,800					2	50	EV 28	26
27						4,800	4,800						28
29	EV 30	50	2					4,800					30
31				4,800									32
33													34
35													36
37													38
39													40
41													42
				TOTAL LOAD:	52,800 VA		48,000 VA		43,200 VA				
				TOTAL AMPS:	440 A		400 A		360 A				



NORTH

GRAPHIC SCALE IN FEET
0 25 50 100

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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No.	REVISIONS	DATE	BY

Kimley»Horn

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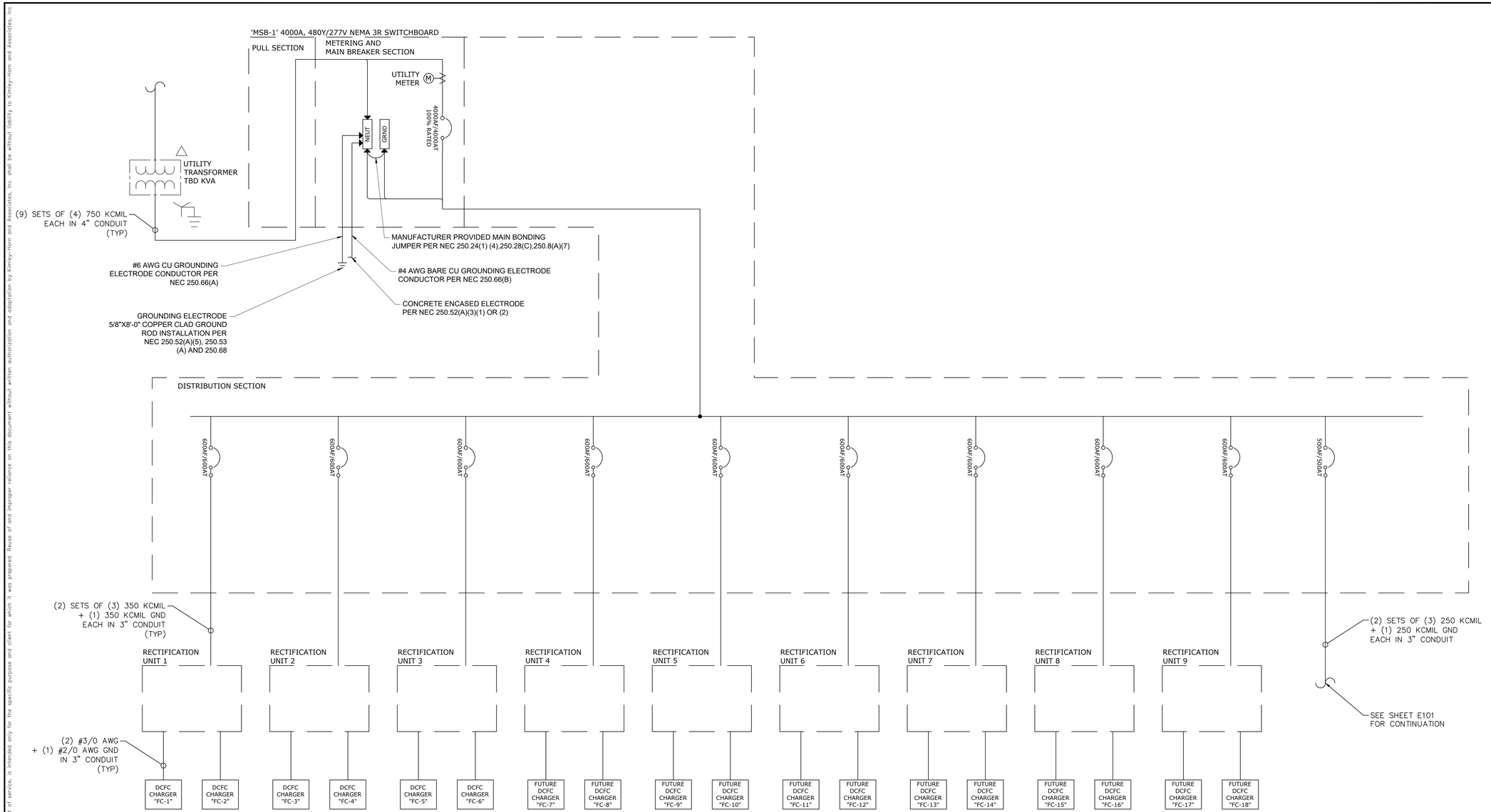
LICENSED PROFESSIONAL: DUSTIN JAMES COLWELL
FLORIDA LICENSE NUMBER 84554
DATE: ____

KHA PROJECT 144124117
DATE JAN 2025
SCALE AS SHOWN
DESIGNED BY KDH
DRAWN BY MAC
CHECKED BY DJC

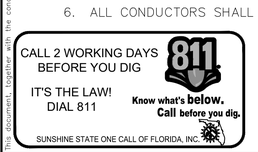
BID ALT 1 - SITE PLAN AND PANEL SCHEDULE

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
B100



1. ALL EQUIPMENT SHALL BE INSTALLED BY CONTRACTOR UNLESS OTHERWISE NOTED. ALL MATERIAL SHALL BE IN NEW CONDITION AND APPROVED BY THE ENGINEER.
2. ALL EQUIPMENT SHALL BE NRTL LISTED.
3. ALL EQUIPMENT WIRING AND GROUNDING METHODS SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDED PRACTICES AND INSTALLATION INSTRUCTIONS.
4. ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE ARC FLASH WARNING LABELS WITH APPLICABLE INCIDENT ENERGY LEVELS, WORKING DISTANCES, AND REQUIRED PPE IN ACCORDANCE WITH NFPA 70E.
5. EXPOSED NON-CURRENT CARRYING METAL PARTS OF EQUIPMENT AND ENCLOSURES SHALL BE GROUNDED IN ACCORDANCE WITH NEC 250.134 AND 250.136(A).
6. ALL CONDUCTORS SHALL BE COPPER, UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL USE EMT INSIDE AND OUTSIDE ABOVE GRADE WHERE NOT SUBJECT TO DAMAGE. CONTRACTOR SHALL USE RGS INSIDE AND OUTSIDE ABOVE GRADE WHERE SUBJECT TO DAMAGE. CONTRACTOR SHALL USE PVC SCHEDULE 80 UNDER PAVED OR SIDEWALK AREAS AND PVC SCHEDULE 40 IN DIRT OR LANDSCAPED AREAS.
8. ALL EQUIPMENT SHALL BE FURNISHED WITH TERMINALS RATED FOR 90°C OR GREATER, LUGS SHALL BE DUAL-RATED FOR COPPER/ALUMINUM CONDUCTORS. ALL ALUMINUM CONDUCTOR TERMINATIONS MUST BE COATED WITH ANTI-OXIDATION COMPOUND IMMEDIATELY AFTER STRIPPING INSULATION.
9. CONDUIT ROUTING AND EQUIPMENT LOCATIONS ARE DIAGRAMMATIC ONLY, AND SHALL BE COORDINATED TO AVOID INTERFERENCES WITH OTHER UTILITIES/UNDERGROUND INSTALLATIONS. CONTRACTOR IS RESPONSIBLE FOR FIELD CHECKING AND MAKING ALL NECESSARY OFFSETS AS REQUIRED.
10. NO PART OF THIS DRAWING OR SPECIFICATIONS IS INTENDED TO ALLOW A VIOLATION OF PHYSICAL WORKING SPACE REQUIREMENTS AROUND ELECTRICAL EQUIPMENT AS REQUIRED PER NEC 110.26.
11. INSTALL PULL-BOXES AS REQUIRED PER NEC 314.28. ALL BOXES SHALL BE TRAFFIC RATED WHERE SUBJECT TO VEHICULAR TRAFFIC. MIN ONE (1) FEET OF CONCRETE IS REQUIRED AROUND ALL BOXES. PROVIDE ADDITIONAL PULL-BOXES AS REQUIRED TO COMPLY WITH NEC 352.26 & 356.26
12. CONTRACTOR SHALL HAND DIG AROUND ALL EXISTING UTILITIES UNLESS OTHERWISE NOTED.



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LICENSED PROFESSIONAL
DUSTIN JAMES COLWELL
FLORIDA LICENSE NUMBER
84554
DATE: ____

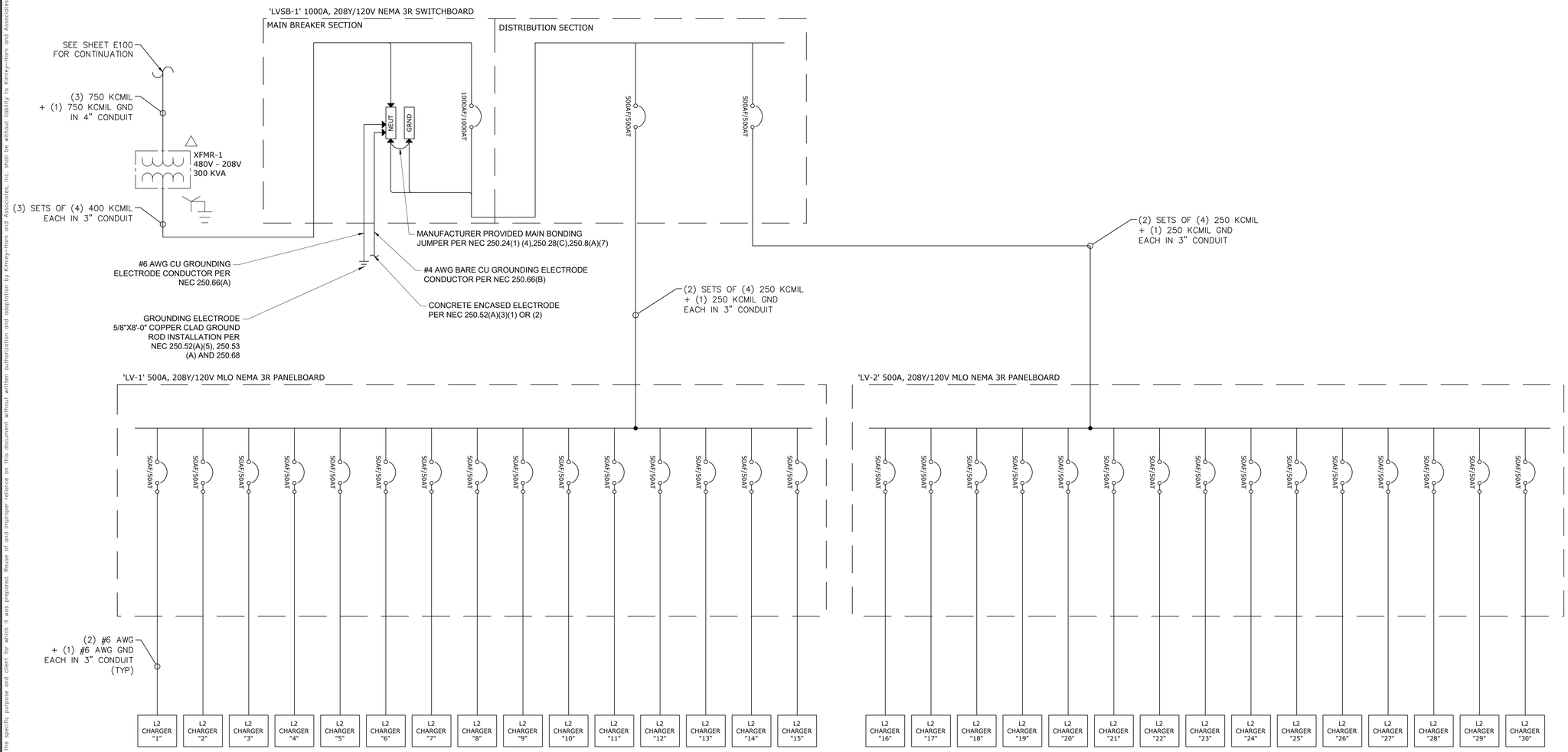
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
144124117	JAN 2025	AS SHOWN	KDH	MAC	DJC

BID ALT 1 - SINGLE LINE DIAGRAM

QUICK-TURNAROUND FACILITY
PREPARED FOR
TALLAHASSEE INTERNATIONAL AIRPORT
CITY OF TALLAHASSEE FLORIDA

SHEET NUMBER
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