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GENERAL CONSTRUCTION NOTES:

- 1. ALL CONSTRUCTION COVERED BY THESE PLANS SHALL COMPLY WITH THE MATERIAL REQUIREMENTS AND QUALITY CONTROL STANDARDS CONTAINED IN THE CITY OF OCALA LAND DEVELOPMENT CODE AND CITY OF OCALA "VOLUME III, STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION" FOR UTILITIES.
2. ELEVATIONS BASED ON SURVEY PROVIDED BY PREECE LAND SURVEYING, INC. DATED SEPTEMBER 12, 2025.
3. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING THE SITE PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL/DISPOSAL OF ANY UNSUITABLE MATERIAL FROM THEIR OPERATION, FURNISHING AND COMPACTING SUITABLE REPLACEMENT BACKFILL MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS REQUIRED FOR THE PROJECT.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM, IN THE FIELD, THE LOCATIONS AND ELEVATIONS SHOWN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
7. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION AND BUILDING PLACEMENT WITH ALL OTHER UTILITIES CONSTRUCTION.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRODUCE, SUBMIT AND OBTAIN APPROVAL OF REPRODUCIBLE "AS-BUILT" DRAWINGS FROM JURISDICTIONAL AGENCIES AS MAY BE REQUIRED.
9. "AS-BUILT" INFORMATION SHALL BE MAINTAINED BY THE CONTRACTOR. CONTRACTOR SHALL EMPLOY THE SERVICES OF A SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO DETERMINE ALL "AS-BUILT" INFORMATION. UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL PROVIDE UP TO SIX COPIES AND THE CAD FILE OF AS-BUILT DRAWINGS TO THE ENGINEER. ALL UNDERGROUND FITTINGS MUST BE REFERENCED TO AT LEAST TWO VISIBLE REFERENCE POINTS ON THE AS-BUILT DRAWINGS.
10. CONTRACTOR SHALL PROVIDE AND MAINTAIN ADEQUATE EROSION AND TURBIDITY CONTROLS DURING AND FOLLOWING CONSTRUCTION UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED TO AVOID ADVERSE ENVIRONMENTAL IMPACTS TO OFF-SITE PROPERTY AND DRAINAGE SYSTEMS.
11. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH CONSTRUCTION POLLUTION PREVENTION PLAN INCLUDED HEREIN.
12. THE CONTRACTOR SHALL PROVIDE A TEMPORARY WATER SERVICE OR WATER TRUCK FOR WASH-DOWN OF VEHICLES LEAVING THE PROJECT SITE IF NECESSARY.
13. ALL UNDERGROUND UTILITIES TO BE INSTALLED SHALL BE IN ACCORDANCE WITH THE CITY OF OCALA UTILITIES SPECIFICATIONS AND THE APPROVED SITE PLANS.
14. THE CONTRACTOR(S) SHALL NOTIFY ALL APPLICABLE UTILITIES COMPANIES, THE ENGINEER OF RECORD, AND THE PROPERTY OWNER 48 HOURS PRIOR TO INITIATING ANY EXCAVATION ACTIVITIES, OR AS SPECIFIED BY THE UTILITIES COMPANIES AND THE PERMITS OBTAINED FOR THE WORK.
15. THE ENGINEER OF RECORD SHALL BE GIVEN FORTY EIGHT HOURS (48-HR) NOTICE OF ALL MEETINGS AND OR TESTING MEASURES RELATED TO SAID PROJECT.
16. CONSTRUCTION WARNING SIGNS ARE TO BE MOUNTED AND ERECTED BEFORE CONSTRUCTION CAN COMMENCE. THESE AND ALL TRAFFIC CONTROL DEVICES SHALL FOLLOW THE STANDARDS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS WELL AS FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD I-10.
17. THE CONTRACTOR IS RESPONSIBLE FOR CLEARLY IDENTIFYING THE AREA OF CONSTRUCTION AND SAFELY ROUTING ALL VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE CONSTRUCTION AREA. THE CONSTRUCTION AREA SHALL BE CLEARLY MARKED AT ALL TIMES.
18. ALL AREAS DISTURBED BY THE CONSTRUCTION OF THIS PROJECT WHICH ARE NOT OTHERWISE PAVED SHALL BE IMMEDIATELY SODDED FOLLOWING FINAL GRADING. ALLOW FOR THICKNESS OF SOD WITH A 2 INCH UNDERCUT. SOD SHALL BE ARGENTINE BAHIA, AND SHALL BE REGULARLY WATERED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION DURATION.
19. THE CONTRACTOR(S) SHALL LOCATE, VERIFY, AND IDENTIFY ALL EXISTING UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THE PLANS PRIOR TO ANY EXCAVATING ACTIVITIES.
20. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO EXCAVATION AND TAKE ALL MEASURES NECESSARY TO PROTECT UTILITIES DURING CONSTRUCTION. SHOULD ANY UTILITY LINE OR COMPONENT BECOME DAMAGED OR REQUIRE RELOCATION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE RESPONSIBLE UTILITY COMPANY, THE ENGINEER OF RECORD, AND THE CITY/COUNTY.
21. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES, SURVEY MARKERS, MONUMENTS, ETC. DURING CONSTRUCTION. THE CONTRACTOR SHALL RESTORE/REPLACE ANY DAMAGE DONE BY CONSTRUCTION ACTIVITIES.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS.
23. THERE SHALL BE A MINIMUM THREE (3) DAYS NOTICE GIVEN FOR SCHEDULING THE FINAL INSPECTION.
24. CONTRACTOR SHALL BE REQUIRED TO APPLY FOR AN APPROVED RIGHT OF WAY UTILIZATION PERMIT FOR ALL WORK TO BE DONE WITHIN THE CITY'S RIGHT OF WAY, FIVE BUSINESS DAYS PRIOR TO THE WORK'S SCHEDULED STARTING DATE.
25. ALL MATERIALS, MACHINERY, AND VEHICLES SHALL BE STORED ON-SITE IN AN ORDERLY AND ORGANIZED FASHION. LDR 102-312
26. ALL CLEANOUTS LOCATED WITHIN PAVED AREAS MUST HAVE BRASS CAPS.

DEMOLITION NOTES:

- 1. CODES
ALL CODES REGULATING DEMOLITION WORK SHALL BE COMPLIED BY THE CONTRACTOR. THE CONTRACTOR SHALL PUT UP AND MAINTAIN SUCH BARRIERS AND WARNING LIGHTS, AS MAY BE NECESSARY OR REQUIRED BY CODE, TO PROTECT AND PREVENT UNAUTHORIZED PERSONNEL FROM ENTERING THE DEMOLITION WORK AREA. ALL DEMOLITION OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) INsofar AS THEY APPLY TO DEMOLITION WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. PROTECTION OF BUILDINGS & EQUIPMENT
TEMPORARY PROTECTIVE DEVICES, AS REQUIRED SHALL BE INSTALLED ADJACENT TO THE DEMOLITION WORK FOR PROTECTION PERSONNEL, EXISTING ADJACENT BUILDINGS, STRUCTURES AND EQUIPMENT AGAINST DUST, FALLING OR FLYING DEBRIS. ANY DAMAGE TO EXISTING STRUCTURES, FACILITIES AND/OR EQUIPMENT RESULTING FROM DEMOLITION WORK SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
3. DISPOSAL OF EXISTING MATERIALS & DEBRIS
ALL DEBRIS AND EXISTING MATERIALS AND EQUIPMENT SHALL BE HAULED AWAY AND DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR OBTAINING DISPOSAL AREAS. THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT SPILLAGE OF MATERIALS BEING HAULED IN PUBLIC STREETS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY CLEAN UP ANY SPILLAGE WHICH MAY ACCIDENTALLY OCCUR.
4. CLEAN-UP
THE CONTRACTOR SHALL MAINTAIN AN ORDER OF NEATNESS AND GOOD HOUSEKEEPING. TOOLS, SCAFFOLDING AND OTHER DEMOLITION EQUIPMENT MUST BE KEPT IN A NEAT AND ORDERLY ARRANGEMENT. AT THE CONCLUSION OF THE DEMOLITION OPERATIONS, THE ENTIRE WORK AREA SHALL BE LEFT IN A CLEAN CONDITION AS REQUIRED FOR SUBSEQUENT NEW WORK.

SIGNAGE AND PAVEMENT MARKING NOTES:

- 1. ALL SIGNING AND MARKING SHALL BE PER M.U.T.C.D. (LATEST EDITION)
2. ALL SIGNS MUST MEET FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS FOR ENGINEERING GRADE SIGN FACES IN REFLECTIVITY.
3. ALL FINAL PAVEMENT MARKINGS WITHIN THE STATE AND PUBLIC RIGHT-OF-WAYS SHALL BE THERMOPLASTIC, STOP BARS, TRAFFIC ARROWS, LANE STRIPING, AND CROSS WALK STRIPING SHALL BE THERMOPLASTIC. ALL OTHER PAVEMENT MARKINGS ON-SITE SHALL BE PAINT.
4. ALL STOP SIGNS (R1-1) SHALL BE 30"x30", STOP SIGN SHALL BE REFLECTIVE SHEETING MATERIAL WITH 3M BRAND PRESSURE SENSITIVE ADHESIVE AND LINER BRAND MATERIALS AND DIAMOND GRADE D93 REFLECTIVE SHEETING SERIES 4000. SIGN POST SHALL BE 2"x2" SQUARE STEEL WITH 3/8" HOLES ON 1" CENTER.
5. STOP AND STREET NAME SIGNS SHALL BE MOUNTED ON THE SAME POLE.
6. STOP BARS SHALL BE TWENTY-FOUR INCHES (24") WIDE AND LANE WIDTH.
7. STREET NAME SIGN SPECIFICATIONS WILL BE PER CITY OF OCALA STANDARDS.
8. BOTTOM EDGE OF ANY INSTALLED SIGNS SHALL HAVE 7" CLEARANCE TO FINISH GRADE UNLESS OTHERWISE NOTED.

PAVING AND DRAINAGE NOTES:

- 1. ALL GRADING, PLACEMENT OF FILL, AND COMPACTION SHALL BE IN ACCORDANCE WITH CITY OF OCALA STANDARD SPECIFICATIONS AND THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION AND ALL APPLICABLE ADA REGULATIONS.
2. THE CONTRACTOR SHALL CONSTRUCT ALL DRAINAGE STRUCTURES TO THE DESIGN ELEVATIONS SHOWN AND IN COMPLIANCE WITH TYPICAL CONSTRUCTION DETAILS.
3. ALL PIPE LENGTHS SHOWN HEREIN ARE APPROXIMATE LENGTHS FROM CENTER TO CENTER OF THE RELATED STRUCTURES.
4. ALL PIPE LENGTHS ARE SCALED AND MAY REQUIRE SLIGHT FIELD ADJUSTMENTS TO FIT CONDITIONS. ALL PIPE CROSSINGS SHALL BE COMPACTED TO 95% MAX. DENSITY AT 1" LIFTS.
5. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THE PAVING AND DRAINAGE FACILITIES WITH ALL OTHER CONSTRUCTION.
6. ALL PIPE JOINTS SHALL BE PROPERLY FITTED AND SEALED PER PRODUCT MANUFACTURERS SPECIFICATIONS.
7. THE CONTRACTOR SHALL COORDINATE ALL NOTIFICATIONS AND UTILITY LOCATION EFFORTS WITH THE UTILITY OWNERS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

PAVING AND DRAINAGE NOTES CONTINUED:

- 8. THE CONTRACTOR SHALL SUBMIT SEVEN (7) SETS OF SHOP DRAWINGS OF ALL STRUCTURES, EQUIPMENT, MATERIAL, SPECIFICATIONS TO THE CONSTRUCTION MANAGER AND ENGINEER OF RECORD FOR REVIEW PRIOR TO THE PURCHASE AND/OR INSTALLATION OF ANY STRUCTURES, EQUIPMENT, AND/OR MATERIAL.
9. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED AND MULCHED OR SODDED IN ACCORDANCE WITH THESE CONSTRUCTION PLANS AND LOCAL REGULATIONS.
10. ALL AREAS OF DISTURBED EXISTING AND NEW PUBLIC RIGHT-OF-WAY SHALL BE SODDED.
11. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS TO WORK IN EXISTING CITY RIGHT-OF-WAYS
12. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PERMITTED CONSTRUCTION DOCUMENTS. ANY DEVIATION FROM THE APPROVED CONSTRUCTION DOCUMENTS SHALL BE THE SOLE RESPONSIBILITY OF THE ORGANIZATION AND/OR ENTITY RESPONSIBLE FOR THE INSTALLATION TO UPDATE/REPLACE ANY DEFICIENT MATERIAL/EQUIPMENT NECESSARY TO BRING THE FINAL PRODUCT TO THE STANDARDS OF THE PERMITTED CONSTRUCTION DOCUMENTS.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES DURING CONSTRUCTION. REFER TO THE STORMWATER POLLUTION PREVENTION PLAN.
14. COMPACTION DENSITIES FOR ALL ROADWAY CROSSINGS ARE TO BE TAKEN IN ONE-FOOT (1') LIFTS.
15. LIMEROCK BEARING RATIOS FOR SUBGRADE AT FORTY (40) AND LIMEROCK OR ALTERNATIVE BASE COURSE AT ONE HUNDRED (100), THERE WILL BE NO UNDER TOLERANCE.
16. ALL MATERIAL USED FOR BACKFILL SHALL BE A3 FREE DRAINING SAND.
17. THERE ARE TO BE NO OPEN TRENCHES AT THE DAY'S END.
18. THE CONTRACTOR SHALL ADHERE TO ALL NOTES PROVIDED IN THESE CONSTRUCTION DRAWINGS.
19. ALL CONSTRUCTION LINES & GRADES SHALL BE ESTABLISHED AND MAINTAINED BY THE CONTRACTOR.
20. CONTRACTOR WILL CLEAR, GRUB AND DISPOSE OF ALL DEBRIS AND SURFACE ORGANICS IN ALL EASEMENTS, ROAD RIGHT-OF-WAYS AND DETENTION AREAS. DISPOSAL SHALL BE INCLUDED IN THE CONTRACT.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF DOWNSIDE TURBIDITY/SILTATION THROUGH THE USE OF BAY BALES, SCREENS, SILTATION BASINS, AND/OR ANY OTHER SUITABLE MEANS REQUIRED TO MEET FLORIDA STREAM STANDARDS. SEED AND MULCH ALL DISTURBED AREAS, SOD AS REQUIRED TO CONTROL EROSION THROUGH FINAL INSPECTION AND TO PRODUCE A UNIFORM STAND OF GRASS THROUGHOUT.
22. CONTRACTOR SHALL BE RESPONSIBLE FOR BRICKING UP CURB INLETS TO FINISHED GRADE AND FURNISHING AND MAINTAINING ALL HARDWARE.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING CURB TRANSITIONS TO FINISH GRADE.
24. UNDERDRAINS SHALL BE INSTALLED, BY THE CONTRACTOR, IN ALL CASES WHERE THE GROUNDWATER TABLE IS CLOSER THAN 24 INCHES BELOW THE PROPOSED CENTERLINE GRADE OF ANY ROAD. CONTACT ENGINEER IF ISSUE IS ENCOUNTERED.
25. ALL DISTURBED AREAS SHALL RECEIVE GRASS SEED, FERTILIZER, AND MULCH. AREAS SHALL HAVE BEEN FILLED AND GRADED AS NECESSARY TO PROVIDE PROPER DRAINAGE. SLOPES STEEPER THAN 4:1 SHALL BE PINNED OR PEGGED SOD.
26. FILTER WRAP SHALL BE USED ON ALL DRAINAGE JOINTS AS REQUIRED BY FDOT SPECIFICATIONS.
27. A 2' STRIP OF SOD IS REQUIRED AROUND ALL DITCH BOTTOM INLETS.
28. ALL POND SIDE SLOPES SHALL BE STABILIZED WITH ESTABLISHED GRASS AT TIME OF FINAL INSPECTION.
29. HANDICAP RAMPS SHALL BE INSTALLED WHEREVER THE SIDEWALK MEETS THE CURB, AND SHALL COMPLY WITH ALL ADA REQUIREMENTS.
30. ALL SIDEWALKS UNLESS NOTED OTHERWISE MUST CONTAIN 6"x6" #10#10 WOVEN WIRE MESH IN THE MIDDLE TO UPPER ONE-THIRD OF THE SLAB.

GEOTECHNICAL NOTES:

- 1. IF CLAYEY SOILS ARE ENCOUNTERED DURING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ENGINEER FOR RECOMMENDATIONS ON HOW TO PROCEED WITH THE PLACEMENT AND USE OF THESE SOILS.
2. BECAUSE OF THE LOCATION OF THE PROJECT, IT CAN BE EXPECTED THAT LIMESTONE WILL BE ENCOUNTERED DURING CONSTRUCTION. LIMESTONE DEPOSITS IN THIS PART OF MARICOPA COUNTY CAN RANGE FROM SCATTERED SOFT DEPOSITS TO LARGE ROCK BouldERS. IT IS ANTICIPATED THAT MOST OF THE LIMESTONE ENCOUNTERED DURING CONSTRUCTION CAN BE EXCAVATED USING NORMAL EARTH MOVING EQUIPMENT. HOWEVER, HARDER DEPOSITS MAY REQUIRE ROCK BREAKERS OR RIPPING EQUIPMENT. ANY LIMESTONE REMOVAL SHALL BE INCLUDED IN THE CONTRACTOR'S BID FOR EARTH MOVING ACTIVITIES.
3. SHOULD ANY SINKHOLE ACTIVITY BE OBSERVED DURING CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER IMMEDIATELY FOR GUIDANCE ON REPAIRING THE SINKHOLE.

ELECTRICAL NOTES:

- 1. CUSTOMER MUST SUBMIT THE CITY OF OCALA ELECTRIC UTILITY (OEU) COMMERCIAL LOAD DATA SHEET AND THE OEU GENERAL INFORMATION SHEET TO THE ZONING DEPARTMENT PRIOR TO ANY SITE PERMITS BEING ISSUED. DATA SHEETS MUST BE APPROVED BY OEU ENGINEERING PRIOR TO ANY SITE PERMITS BEING ISSUED. MATERIAL LEAD TIMES MAY CAUSE A DELAY IN OBTAINING SERVICE, IF LOAD DATA IS NOT SUBMITTED AS SOON AS POSSIBLE.
2. CUSTOMER MUST CONTACT THE CITY OF OCALA ELECTRIC UTILITY ENGINEERING DIVISION AT (352) 351-6620 AT LEAST SIX (6) WEEKS PRIOR TO THE START OF CONSTRUCTION TO DISCUSS PERMANENT SERVICE REQUIREMENTS, TEMPORARY CONSTRUCTION POWER, TRANSFORMER LOCATION, AND METER LOCATION. REFERENCE CITY PROJECT #SP124-0004.
3. TREES CANNOT BE PLANTED AROUND, OVER, OR UNDER ANY EXISTING OR PROPOSED POWER LINES. THIS INCLUDES ANY LINES DESIGNED AFTER FINAL SITE PLAN APPROVAL. NO NEW SHADE TREES WILL BE PERMITTED WITHIN 30 FEET OF OVERHEAD POWER LINES. ALL PLANS WILL REQUIRE A (20) FOOT WIDE UTILITY EASEMENT AND TREE TRIMMING EASEMENTS FOR EXISTING AND PROPOSED OVERHEAD ELECTRIC LINES.
4. FOR ALL UNDERGROUND ELECTRIC POWER LINES ON PRIVATE PROPERTY, A TEN (10) FOOT ELECTRIC DISTRIBUTION EASEMENT WILL BE REQUIRED. FOR OVERHEAD CONSTRUCTION, A TWENTY (20) FOOT EASEMENT WILL BE REQUIRED. ALSO, FOR ANY OVERHEAD POWER LINES, BOTH EXISTING AND PROPOSED, A TEN (10) FOOT TREE-TRIMMING EASEMENT WILL BE REQUIRED (SEC. 70-585 & SEC. 70-602).
5. UNDERGROUND ELECTRICAL SERVICE WILL BE AT THE CUSTOMER'S EXPENSE (SEC. 70-584 & SEC. 70-603).
6. ALL ELECTRIC UTILITY FACILITIES SHALL BE INCLUDED ON THE SITE PLAN PRIOR TO SITE PLAN APPROVAL (INCLUDE YELLOW AND BLACK FACILITY I.D. NUMBER).
7. METER LOCATION WILL BE DESIGNATED BY OCALA ELECTRIC UTILITY (SEC. 70-587). HOWEVER, DESIRED LOCATION MAY BE NOTED ON SITE PLAN.
8. REQUESTED SERVICE VOLTAGE IS NOT GUARANTEED TO BE SUPPLIED, HOWEVER, OEU WILL TRY TO ACCOMMODATE THE REQUEST WHEN POSSIBLE (SEC. 70-585 & SEC. 70-587).
9. STREETLIGHTS, IF REQUIRED, WILL BE ADDED AT A ONE TIME CHARGE TO THE CUSTOMER. ESTIMATED COST WILL BE PROVIDED AS PART OF THE ACTUAL ELECTRICAL SERVICE DESIGN (SEC. 70-621). STREETLIGHT DESIGN FOR ALL PRIVATE ROADS MUST BE SHOWN ON SITE PLANS AND APPROVED BY OEU.
10. CONSTRUCTION FOR TEMPORARY SERVICE LOCATION TO BE DETERMINED BY OCALA ELECTRIC UTILITY.
11. THE FINAL APPROVED SITE PLAN IS TO BE EMAILED TO JKERR@OCALAFL.GOV USING THE ABOVE MENTIONED OEU SITE PLAN REFERENCE NUMBER. ELECTRIC ENGINEERING WORK WILL NOT BEGIN UNTIL APPROVED ELECTRONIC SITE PLAN HAS BEEN SUBMITTED.
12. ADDITIONAL REQUIREMENTS ARE CONTAINED IN CHAPTER 70, ARTICLE VI AND ARTICLE VII OF THE OCALA CODE OF ORDINANCES.

CITY OF OCALA REGULATORY STATEMENTS:

- 1. ALL UTILITY CONSTRUCTION COVERED BY THESE PLANS SHALL COMPLY WITH THE MATERIAL REQUIREMENTS AND QUALITY CONTROL STANDARDS CONTAINED IN THE "CITY OF OCALA LAND DEVELOPMENT REGULATIONS" AND THE "CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION".
2. CONTRACTOR SHALL PROVIDE THE CITY OF OCALA ENGINEERING DEPARTMENT WITH A COPY OF ALL PERMITS OBTAINED FROM REGULATORY AGENCIES AND WATER MANAGEMENT DISTRICTS.
3. CONTRACTOR SHALL PROVIDE CERTIFIED AS-BUILT PLANS PRIOR TO THE CLEARANCE OF THE UTILITY LINES.
4. CONTRACTOR SHALL INSTALL LOCATOR WIRE ON ALL UNDERGROUND UTILITIES CONSTRUCTED OF NON-CONDUCTIVE MATERIALS.
5. CONTRACTOR SHALL CONTACT THE CITY OF OCALA WATER AND SEWER DEPARTMENT 72 HOURS IN ADVANCE OF MAKING ANY CONNECTIONS TO THE CITY WATER OR SEWER SYSTEM.
6. ALL EXISTING OR PROPOSED WATER, SEWER, OR REUSE APPURTENANCES AFFECTED BY THE DEVELOPMENT OF THIS SITE ARE TO BE RAISED TO THE FINAL GRADE PRIOR TO ISSUANCE OF THE C.O.
7. AS-BUILTS, MEETING THE CITY OF OCALA WATER AND SEWER CONSTRUCTION MANUAL REQUIREMENTS, ARE TO BE SUPPLIED TO THE CITY PRIOR TO ISSUANCE OF THE C.O.
8. ALL EXISTING OR PROPOSED WATER, SEWER, OR REUSE APPURTENANCES AFFECTED BY THE DEVELOPMENT OF THIS SITE ARE TO BE RAISED TO THE FINAL GRADE PRIOR TO ISSUANCE OF THE C.O..

WATER/SEWER SEPARATION REQUIREMENTS (FDEP):

- 62-555.314 LOCATION OF PUBLIC WATER SYSTEM MAINS: FOR THE PURPOSE OF THIS SECTION, THE PHRASE "WATER MAINS" SHALL MEAN MAINS, INCLUDING TREATMENT PLANT PROCESS PIPING, CONVEYING EITHER RAW, PARTIALLY TREATED, OR FINISHED DRINKING WATER, FIRE HYDRANT LEADS, AND SERVICE LINES THAT ARE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE (3) INCHES OR GREATER.
(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS:
(A) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST (3) THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(B) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST (3) THREE FEET, AND PREFERABLY (10) TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
(C) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST (8) SIX FEET, AND PREFERABLY (10) TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610 F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO (3) THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST (6) SIX INCHES ABOVE THE TOP OF THE SEWER.
(D) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST (10) TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.005(2), F.S. AND RULE 64E-6.002, F.A.C.
(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES:
(A) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST (6) SIX INCHES, AND PREFERABLY 12 INCHES ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
(B) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
(C) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST (3) THREE FEET FROM ANY EXISTING OR PROPOSED SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST (6) SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(3) SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES:
(A) NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY MANHOLE OR A STORM SEWER MANHOLE.
(4) SEPARATION BETWEEN FIRE HYDRANT DRAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS. NEW OR RELOCATED FIRE HYDRANTS WITHIN LOTS ARE TO BE LOCATED SO THAT THE DRAINS ARE AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AT LEAST THREE FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, AT LEAST SIX FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.005(2), F.S., AND RULE 64E-6.002, F.A.C.
EXCEPTIONS/MITIGATION: WHERE IT IS NOT TECHNICALLY FEASIBLE OR ECONOMICALLY SENSIBLE TO COMPLY WITH THE REQUIREMENTS IN ITEMS (1) THROUGH (4) ABOVE, THE CONTRACTOR SHALL STOP WORK AND IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, WHO WILL DETERMINE THE APPROPRIATE SOLUTION. IF A SUBSTANTIAL DEVIATION FROM THE PERMITTED DESIGN IS REQUIRED, A REQUEST FOR PERMIT REVISION WILL BE SUBMITTED TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) FOR APPROVAL PRIOR TO CONSTRUCTION.

SANITARY SEWER SYSTEM NOTES:

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES AND CONNECTION POINTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES WITH THESE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR RESOLUTION.
3. ALL EQUIPMENT AND MATERIALS SHALL COMPLY WITH THE CITY OF OCALA STANDARDS FOR WATER AND SEWER CONSTRUCTION, SECTION 489. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIAL FOR APPROVAL BY THE ENGINEER AND THE CITY OF OCALA UTILITIES DEPARTMENT PRIOR TO THE PURCHASE OR INSTALLATION OF ANY EQUIPMENT OR MATERIAL.
4. CONTRACTOR SHALL ENSURE THAT THE MINIMUM HORIZONTAL AND VERTICAL CLEARANCE IS MAINTAINED TO ALL OTHER WET UTILITIES IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) REQUIREMENTS.

POTABLE WATER SYSTEM NOTES:

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE PROPER NOTIFICATION OF INSPECTING AUTHORITIES BEFORE AND DURING CONSTRUCTION.
2. ALL WATER AND SEWER CONSTRUCTION SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR WITH A CLASS 5 LICENSE UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES.
3. ALL MATERIALS AND CONSTRUCTION PROCEDURES AND TECHNIQUES SHALL BE IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.
4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIAL FOR APPROVAL BY THE ENGINEER AND THE CITY OF OCALA UTILITIES DEPARTMENT PRIOR TO THE PURCHASE OR INSTALLATION OF ANY EQUIPMENT OR MATERIAL.
5. TWO INCH (2") TO TWELVE INCH (12") WATER MAINS SHALL BE POLYVINYL CHLORIDE (PVC) OR DUCTILE IRON PIPE (DIP) BASED ON PRESSURE. WATER MAIN SIZES LARGER THAN 12" SHALL BE DUCTILE IRON PIPE (DIP). ALL PVC PIPE SHALL BE POTABLE WATER BLUE, HAVE IDENTIFYING TAPE AND LOCATING WIRE ON TOP AND BOTTOM. PVC PIPE SHALL MEET THE REQUIREMENTS OF ANSII/AWWA C-900, DR14 AND DR18.
6. EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN SHOWN, BASED ON THE BEST INFORMATION AVAILABLE, WITHOUT EXPLORATORY EXCAVATIONS. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, AND ANY ALL DISCREPANCIES WITH THE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
7. THE VERTICAL LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN AND PROFILE SHEETS HAVE BEEN ASSUMED. THE CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION NEAR EXISTING UTILITIES SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF THE LOCATION DIFFERS FROM THAT SHOWN ON THE PLANS BEFORE CONTINUING WITH CONSTRUCTION.
8. SHOULD ANY CONDITIONS VARY FROM THOSE SHOWN ON THESE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR RESOLUTION PRIOR TO CONTINUING CONSTRUCTION.
9. UNSUITABLE SOIL MATERIALS UNDER WATER AND SEWER MAINS SHALL BE REMOVED AND REPLACED WITH SELECT BACKFILL IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.
10. ALL ROCK AND UNSUITABLE SIZED STONES (AS DESCRIBED IN THE APPLICABLE AWWA AND THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION) AND/OR THE PIPE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES) FOUND IN THE TRENCHES FOR NEW AND RELOCATED WATER MAIN PIPE SHALL BE REMOVED TO A DEPTH OF AT LEAST SIX (6) INCHES BELOW THE BOTTOM OF THE PIPE. AN APPROVED BACKFILL MATERIAL SHALL BE PROVIDED AND SHAPED TO PROVIDE A CONTINUOUS AND UNIFORM BEDDING. THE BEDDING MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, BASED ON ITS LOCATION.
11. COMPACTION OF PIPE TRENCHES SHALL BE IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. COMPACTION SHALL BE 95% OF AASHTO T-180 IN NON-TRAFFIC AREAS AND 98% OF AASHTO T-180 IN TRAFFIC AREAS.

POTABLE WATER SYSTEM NOTES CONTINUED:

- 12. WATER MAINS SHALL HAVE A MINIMUM OF 48" COVER FROM FINISHED GRADE.
13. ALL PVC PRESSURE PIPING SHALL USE CONCRETE THRUST BLOCKING AT ALL BENDS AND TERMINATIONS. THRUST BLOCK SIZING SHALL BE IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. PVC WATER MAINS SHALL HAVE TWO LOCATING WIRES INSTALLED (ON THE TOP AND BOTTOM) ALONG THE PIPE.
14. ALL WATER MAIN FITTINGS SHALL BE DIP FOR PVC AND DIP WATER MAINS 3" AND ABOVE AND USED AT LOCATIONS INDICATED ON THE PLANS, UNLESS OTHERWISE APPROVED BY THE ENGINEER. PIPE DEFLECTIONS AT JOINTS SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDED DEFLECTION.
15. ALL UNDERGROUND VALVES SHALL BE INSTALLED WITH AN ADJUSTABLE CAST IRON VALVE BOX WITH THE TOP SET TO FINAL GRADE IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. VALVE BOXES IN TRAFFIC AREAS SHALL BE LOCKABLE OR NON-POROUS IN ACCORDANCE WITH STANDARD DETAIL 478-1A OF THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION. VALVES DEEPER THAN 5' SHALL HAVE VALVE NUT EXTENSIONS WHICH SHALL BE WELDED AS ONE PIECE.
16. ALL HYDRANTS, GATE VALVES AND TAPPING GATE VALVES SHALL HAVE STAINLESS STEEL STEMS.
17. ANY NEWLY INSTALLED FIRE HYDRANT ARE TO BE FACTORY PAINTED RED, APPROPRIATELY COLORED CAPS AND BONNET WILL BE REQUIRED PRIOR TO C.O.
18. FIRE HYDRANTS ARE TO BE INSTALLED WITH THE STEAMER CONNECTION FACING THE ROADWAY.
19. SITE CONTRACTOR SHALL PROVIDE ALL CHAINS, LOCKS AND KEYS FOR DCOVA'S AS REQUIRED BY THE LOCAL FIRE DEPARTMENT.
20. ALL NEW AND RELOCATED WATER MAINS SHALL BE PRESSURE AND LEAK TESTED IN ACCORDANCE WITH AWWA STANDARD C600, LATEST EDITION. PRESSURE TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, SECTION 481.5.2. PRESSURE TESTING SHALL BE AT A PRESSURE OF AT LEAST 150 PSI FOR A MINIMUM DURATION OF 2 HOURS. ALLOWABLE LEAKAGE SHALL BE WITHIN THE PARAMETERS OF THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, SECTION 481.5.2.6.
21. ALL NEW AND RELOCATED WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651 AND RULE 62-555.345, F.A.C.
22. ALL PIPE AND PIPE FITTINGS FOR NEW AND RELOCATED WATER SERVICES SHALL COMPLY WITH THE LATEST FDEP AND AWWA STANDARDS FOR LEAD CONTENT. ALL SOLDERS AND FLUX FOR NEW AND RELOCATED WATER SERVICES SHALL COMPLY WITH THE LATEST FDEP AND AWWA STANDARDS FOR LEAD CONTENT.
23. CONTRACTOR'S SURVEYOR SHALL PROVIDE AS-BUILT DRAWINGS, INCLUDING ALL UNDERGROUND UTILITIES, IN CAD FORMAT TO THE ENGINEER USING THE DRAFTING STANDARDS REQUIRED BY THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION.
24. CONTRACTORS SURVEYOR SHALL SUPPLY VALVE TIESHEETS FOR EACH INSTALLED VALVE 2" AND LARGER.
25. SITE CONTRACTOR SHALL SUPPLY AND INSTALL ALL BACKFLOWS, AND METER BOXES. THE CITY OF OCALA WILL SUPPLY AND INSTALL WATER METERS.
26. CONTRACTOR SHALL PROVIDE BACKFLOW PREVENTER CERTIFICATIONS TO PROJECT ENGINEER PRIOR TO CERTIFICATE OF OCCUPANCY BEING ISSUED.

PROCEDURES:

- 1. CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF OCALA UTILITIES DEPARTMENT AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
2. ALL WATER AND SEWER TAPS SHALL BE SCHEDULED AT LEAST 48 HOURS IN ADVANCE WITH THE CITY OF OCALA UTILITIES DEPARTMENT.
3. ALL ON-SITE WATER AND SEWER CONSTRUCTION REQUIRES A PLUMBING PERMIT WITH A SCHEDULED INSPECTION BY THE CITY OF OCALA UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ARRANGING ALL INSPECTIONS.
4. CONNECTION TO EXISTING POTABLE WATER SYSTEMS SHALL NOT BE ALLOWED UNTIL ALL PROPOSED WATER LINES HAVE BEEN PRESSURE TESTED, DISINFECTED, CLEARED FOR SERVICE AND ACCEPTED FOR MAINTENANCE BY THE CITY OF OCALA UTILITIES DEPARTMENT AND FDEP.
5. JUMPER CONNECTIONS MAY BE USED TO FILL OR FLUSH WATER MAINS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF OCALA STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, STANDARD DETAIL 488-5.1. A PERMIT MUST BE OBTAINED FROM THE CITY OF OCALA UTILITIES DEPARTMENT PRIOR TO THE CONSTRUCTION OF THE TEMPORARY JUMPER CONNECTION.
6. ALL COMMERCIAL BUILDING PERMITS AND METERS SHALL BE PROCESSED THROUGH THE CITY OF OCALA UTILITIES. WATER AND SEWER CUSTOMER SERVICE DEPARTMENT AND SHALL BE ACCOMPANIED BY A SET OF APPROVED SET OF CIVIL DESIGN PLANS.
7. THE CONTRACTOR SHALL OBTAIN A LETTER OF RELEASE TO PLACE THE CONSTRUCTION INTO SERVICE FROM THE CITY OF OCALA UTILITIES DEPARTMENT. THE CONTRACTOR SHALL PRESENT A SET OF AS-BUILT PLANS WITH THE LOCATIONS OF THE BACTERIOLOGICAL SAMPLING INDICATED IN RED OR PINK. THE SAMPLE NUMBERS SHALL CORRESPOND TO THOSE ON THE BACTERIOLOGICAL SAMPLE LAB SHEETS.
8. SITE CONTRACTOR IS RESPONSIBLE FOR ALL BACTERIOLOGICAL TESTING AND CHLORINATION.
9. THE SOLID WASTE COMMERCIAL IMPACT FEE SHALL BE CALCULATED, DUE, AND PAYABLE WITHIN 30 DAYS OF INITIATION OF PERMANENT ELECTRIC SERVICE.
10. THE FORM TITLED "PROJECT COMPLETION REPORT & CERTIFICATION, AND STORMWATER UTILITY BILLING INFORMATION" MUST BE COMPLETED, SIGNED BY THE PROJECT ENGINEER, AND SUBMITTED TO THE GROWTH MANAGEMENT DEPARTMENT PRIOR TO SCHEDULING OF THE FINAL SITE INSPECTION.

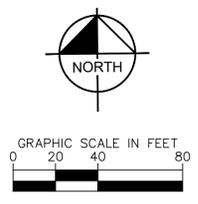
Table with columns for REVISIONS, DATE, and BY. Includes a 'NOT FOR CONSTRUCTION' stamp.

Kimley-Horn logo and contact information: 2025 KIMLEY-HORN AND ASSOCIATES, INC. 1700 SE 17TH STREET, SUITE 200, OCALA, FLORIDA 34471. PHONE: 352-438-3000. WWW.KIMLEY-HORN.COM. REGISTRY NO. 35108

Professional information for Jose A. Lopez Jr., P.E.: LICENSED PROFESSIONAL, KHA PROJECT 24-2216016, DATE OCTOBER 2025, SCALE AS SHOWN, DESIGNED BY KHA, DRAWN BY KHA, CHECKED BY KHA, DATE: _____

GENERAL NOTES FIRE STATION 07 APPARATUS STORAGE PREPARED FOR OCALA FIRE RESCUE CITY OF OCALA FLORIDA SHEET NUMBER C01.00

CALL 2 BUSINESS 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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LICENSED PROFESSIONAL
 JOSE A. LOPEZ JR., P.E.
 FLORIDA LICENSE NUMBER
 86446
 DATE: _____

OVERALL SITE PLAN

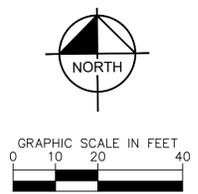
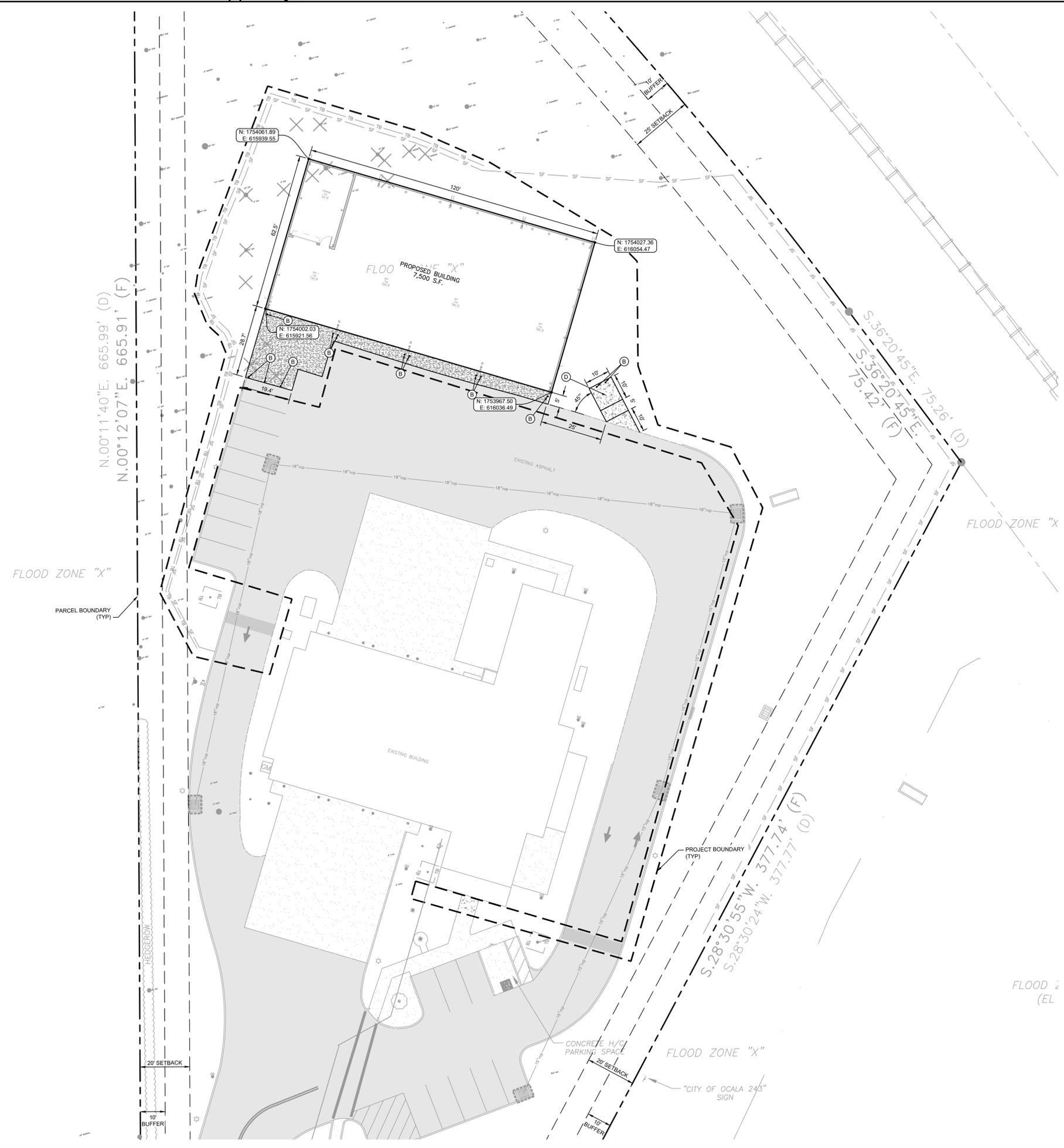
FIRE STATION 07 APPARATUS STORAGE
 PREPARED FOR
OCALA FIRE RESCUE
 CITY OF OCALA FLORIDA

SHEET NUMBER
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- LEGEND**
- - - - - PROPERTY BOUNDARY
 - ▒ ASPHALT PAVEMENT TO BE REPLACED (SEE DETAILS SHEET C07.00)
 - ▒ STANDARD DUTY CONCRETE PAVEMENT (SEE DETAILS SHEET C07.00)
 - ▒ HEAVY DUTY CONCRETE PAVEMENT (SEE DETAILS SHEET C07.00)
 - (C) - 6" CURB
 - (D) - DUMPSTER PAD (SEE "COMMERCIAL DUMPSTER PAD TYPE 1" ON SHEET C07.00 FOR DETAILS)
 - (B) - BOLLARDS (SEE "COMMERCIAL DUMPSTER PAD TYPE 1" ON SHEET C07.00 FOR DETAILS)

SITE DATA TABLE	
PARCEL IDENTIFICATION NUMBER	30338-000-00
TOTAL SITE BOUNDARY	3.32 ACRES
FLOOD ZONE	X
COMMUNITY PANEL	12083C0517E
FUTURE LAND USE	PUBLIC
ZONING	G-U
BUFFER REQUIREMENT AND BUILDING SETBACKS	
FRONT BUFFER	10 FEET
SIDE BUFFER	10 FEET
REAR BUFFER	10 FEET
FRONT SETBACK	25 FEET
SIDE SETBACK	20 FEET
REAR SETBACK	25 FEET
MAXIMUM BUILDING HEIGHT	35 FEET

SURFACE DATA TABLE	
TOTAL SITE AREA	144,411 SF (3.32 ACRES)
PROJECT AREA	21,191 SF (0.49 ACRES)
ADDITIONAL IMPERVIOUS AREA	7,525 SF (0.17 ACRES)
POND AREA (INTERIOR OF BOT)	4,144 SF (0.10 ACRES)
TOTAL OPEN-SPACE	83,545 SF (1.92 ACRES)
TOTAL OPEN-SPACE PERCENTAGE	57.9%
OPEN-SPACE REQUIRED	28,882 SF (20%)

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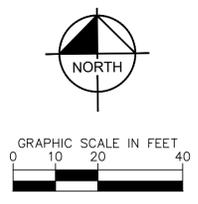
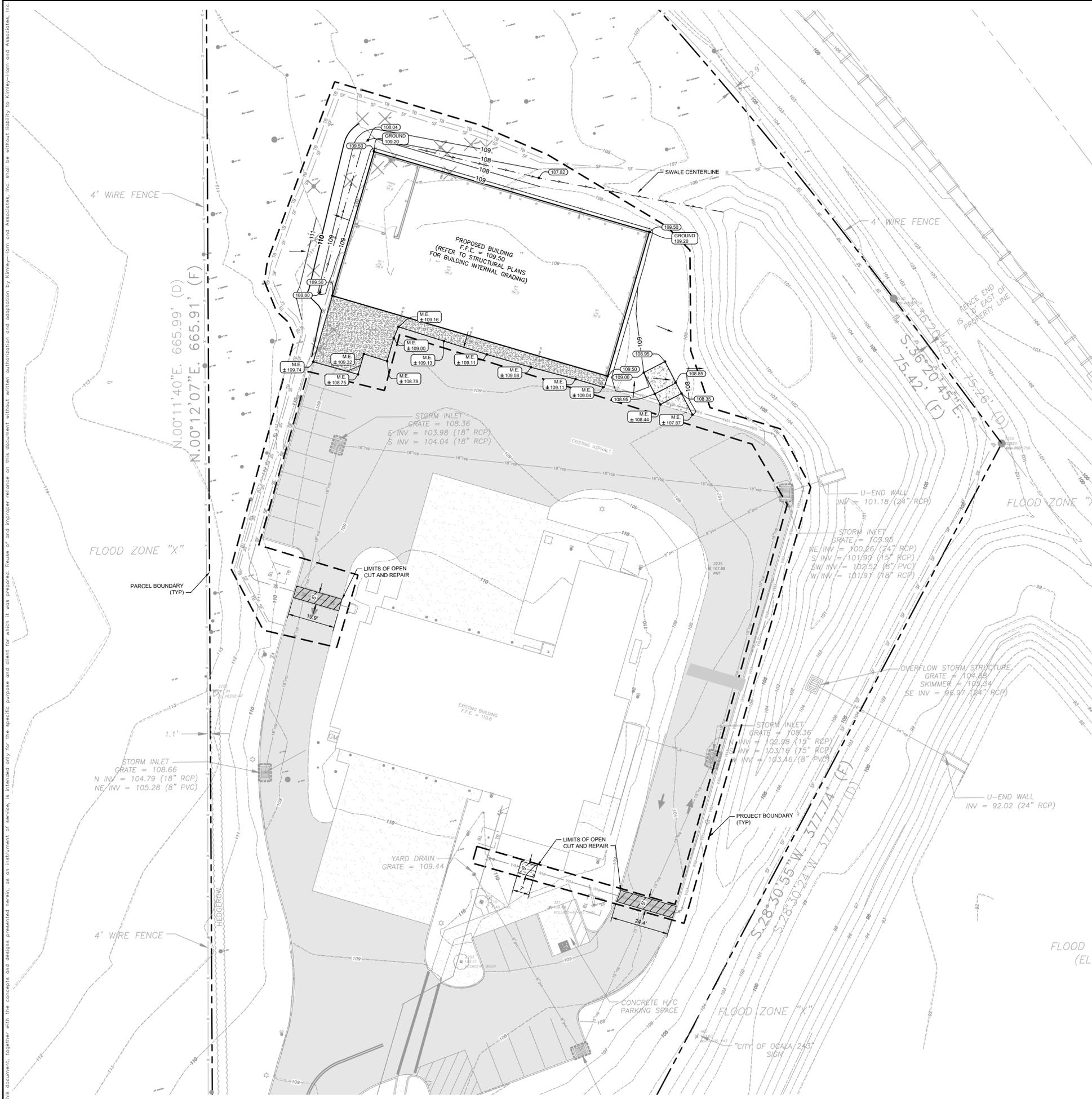
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HORIZONTAL GEOMETRY

FIRE STATION 07 APPARATUS STORAGE
 PREPARED FOR
OCALA FIRE RESCUE
 CITY OF OCALA FLORIDA

SHEET NUMBER
C03.00





NO.	REVISIONS	DATE	BY
1	NOT FOR CONSTRUCTION		

LEGEND

- 100.00 - PROPOSED SPOT ELEVATION (ALL POINTS ARE LOCATED AT EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED)
- 80 --- EXISTING CONTOURS
- 80 — PROPOSED CONTOURS
- PROPOSED FLOW DIRECTION ARROWS

NOTES:

1. ALL GRADES ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED.
2. ALL SIDEWALK CONSTRUCTION SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.00%.
3. STORM PIPE MATERIALS SHALL BE AS NOTED AS RCP, A-2000 PVC, OR N-12 HP STORM, AND CONFORM WITH THE LATEST EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
4. ALL FINAL STORM DRAIN MATERIALS SHALL BE APPROVED BY THE ENGINEER OF RECORD AND NOTED ON THE RECORD DRAWINGS.
5. RIP-RAP PADS SHALL BE PLACED A MINIMUM OF 30' THICK, TO THE DIMENSIONS SHOWN ON THE PLANS AND FLUSH WITH THE ADJACENT GRADE. RIP-RAP SHALL BE RUBBLE (DITCH LINING) PER FDOT STANDARD SPECIFICATION 530. TYPE D-2 GEOTEXTILE FABRIC SHALL BE PLACED BENEATH ALL RIP-RAP INSTALLATIONS.

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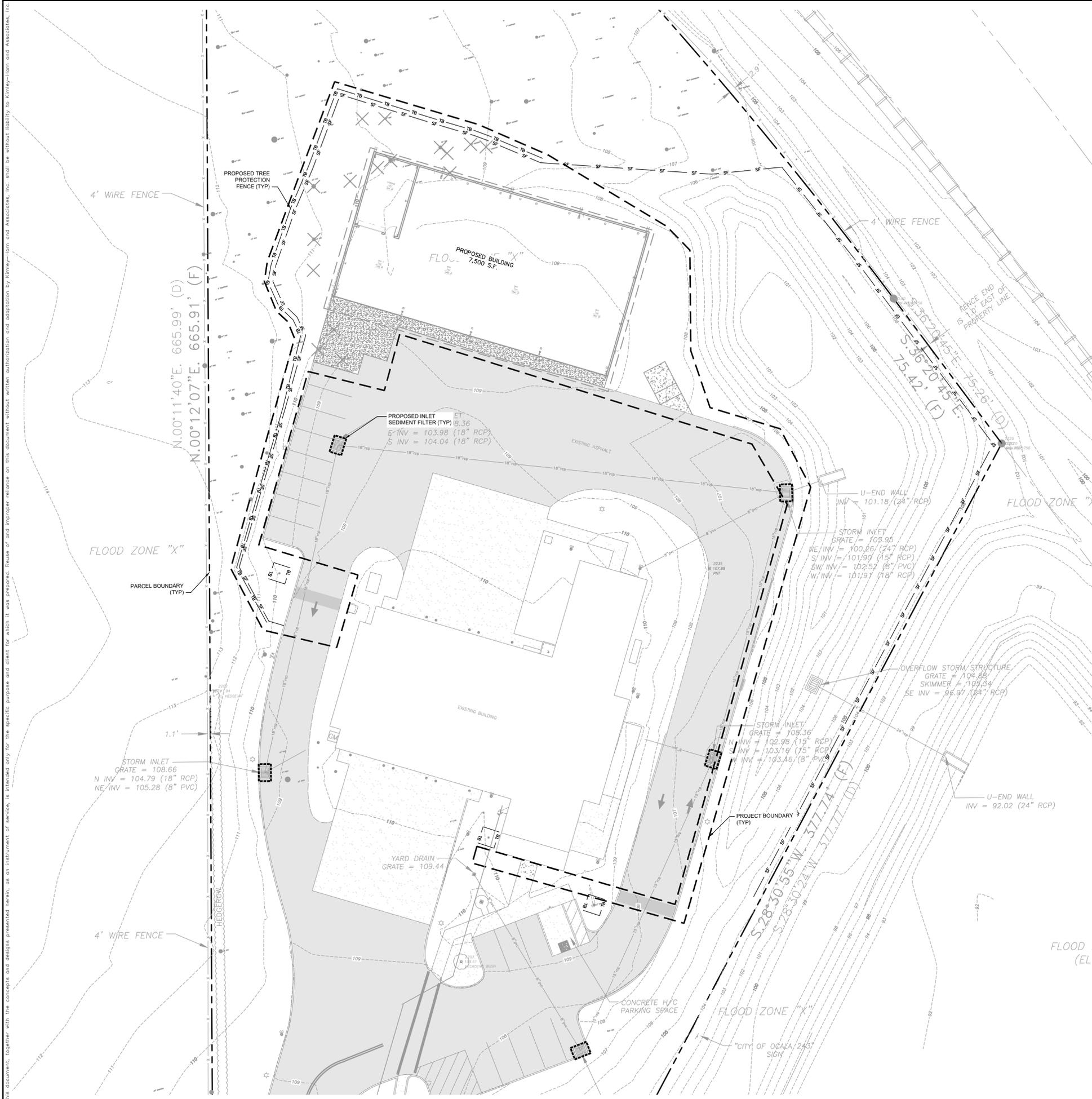
LICENSED PROFESSIONAL
 JOSE A. LOPEZ JR., P.E.
 FLORIDA LICENSE NUMBER 86446
 DATE: _____

**PAVING, GRADING,
 AND DRAINAGE
 PLAN**

**FIRE STATION 07
 APPARATUS STORAGE
 PREPARED FOR
 OCALA FIRE RESCUE**

CITY OF OCALA FLORIDA
 SHEET NUMBER
C04.00





STORMWATER POLLUTION PREVENTION PLAN (S.W.P.P.) NOTES:

- DISCHARGE CONTROL AND EROSION PROTECTION MEASURES SHALL BE EMPLOYED AND OPERATED AT ALL TIMES DURING CONSTRUCTION TO AVOID ADVERSE IMPACTS TO RECEIVING WATERS OR ADJACENT PROPERTY. DETENTION RETENTION STORAGE STRUCTURES, SEDIMENT BARRIERS, FLOW CONVEYANCES, REVEITEM, DISCHARGE CONTROL STRUCTURES, AND OTHER STORMWATER MANAGEMENT STRUCTURES SHOULD BE BUILT AND CONTINUOUSLY MAINTAINED DURING PROJECT CONSTRUCTION IN A MANNER SUCH THAT, TO THE EXTENT POSSIBLE, THE STRUCTURES ARE INCORPORATED INTO AND BECOME PART OF THE PERMANENT SURFACE WATER MANAGEMENT SYSTEM.
- THE OWNER/PERMITEE SHALL ENSURE THAT THE SURFACE WATER AND STORMWATER MANAGEMENT MEASURES PROPOSED IN THE PLAN ARE EFFECTIVELY IMPLEMENTED UNTIL COMPLETION OF THE PROJECT OR UNTIL THE PERMANENT SURFACE WATER MANAGEMENT SYSTEM IS OPERATIONAL.
- THE SITE SHALL REMAIN FREE OF EXCESS DUST AND DEBRIS AT ALL TIMES. ANY INCIDENCE OF EROSION, SEDIMENTATION, DUST OR DEBRIS OCCURRING OFF-SITE AS A RESULT OF CONSTRUCTION ACTIVITIES ON THIS DEVELOPMENT SHALL BE CORRECTED BY THE CONTRACTOR IMMEDIATELY (FOR EACH OCCURRENCE).
- ALL STORM WATER MANAGEMENT SYSTEMS SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF IMPERVIOUS AREAS.
- SILT FENCE, STRAW BALE INLET FILTERS, AND ANY OTHER EROSION/SEDIMENTATION PROTECTION SHOWN ON THESE PLANS SHALL BE INSTALLED IMMEDIATELY FOLLOWING SITE CLEARING AND PRIOR TO ANY SITE DEVELOPMENT. ALL EROSION/SEDIMENTATION PROTECTION SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION PROJECT AND REMOVED AFTER COMPLETION.
- CONSTRUCTION WASTE - WASTE SHALL BE COLLECTED AT A DESIGNATED AREA ON-SITE. ADEQUATE NUMBER OF CONTAINERS SHALL BE PROVIDED (WHEN POSSIBLE COVER CONTAINERS OR PROVIDE LIDS ON CONTAINERS). ARRANGE FOR WASTE COLLECTION BEFORE CONTAINERS OVERFLOW, PROVIDE CLEAN UP IMMEDIATELY IF SPILLAGE OCCURS.
- CONTROL AND DISPOSAL OF WASTES - CONTRACTOR SHALL DEVELOP AND IMPLEMENT A PLAN TO ASSURE THAT ALL WASTE, SUCH AS DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASH-OUT, CHEMICALS, LITTER AND SANITARY WASTE, ARE PROPERLY CONTROLLED WHILE ON-SITE AND TRANSPORTED AND DISPOSED OF (OFF-SITE) IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. NO WASTE MATERIALS OF ANY KIND ARE PERMITTED TO BE BURIED ON-SITE OR DISCHARGED TO SURFACE WATERS OF THE STATE OR TO THE CITY'S STORM WATER SYSTEM.
- CONCRETE TRUCKS - EMPTYING OR WASH OUT OF EXCESS CONCRETE MAY BE ALLOWED ON-SITE. EXCESS CONCRETE AND WASH WATER SHOULD BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN THESE MATERIALS AND STORMWATER WHICH WILL BE DISCHARGED FROM THE SITE. FOR EXAMPLE, DIKES COULD BE CONSTRUCTED AROUND THE AREA TO CONTAIN THESE MATERIALS UNTIL THEY HARDEN, AT WHICH TIME THEY MAY BE PROPERLY DISPOSED OF.
- CONTRACTOR SHALL PERIODICALLY SWEEP ALL EXISTING ON-SITE PAVED SURFACES AND OFF-SITE ADJUTING CITY STREETS AND STATE HIGHWAYS AS NEEDED TO KEEP THOSE SURFACES IN A SEDIMENT-FREE CONDITION. SWEEPING SHALL BE DONE BY MECHANICAL MEANS, WITH WATER SUPPLEMENT, ON A REGULAR BASIS SEVERAL TIMES A WEEK INCLUDING, MOST PARTICULARLY, AFTER EVERY RAIN EVENT AND EVERY FRIDAY AFTERNOON PRIOR TO CEASING WORK FOR THE WEEK.
- SANITARY/SEPTIC DISPOSAL - DOMESTIC WASTE HAULERS SHOULD BE CONTRACTED TO REGULARLY REMOVE THE SANITARY AND SEPTIC WASTES AND TO MAINTAIN THE FACILITIES IN GOOD WORKING ORDER.
- PETROLEUM PRODUCTS - OIL, GASOLINE, LUBRICANTS, AND ASPHALTIC SUBSTANCES SUCH AS PAVING MATERIALS SHOULD BE HANDLED CAREFULLY TO MINIMIZE THEIR EXPOSURE TO STORM WATER. EQUIPMENT SHOULD BE ON SITE TO CONTAIN AND CLEAN UP PETROLEUM SPILL IN FUEL STORAGE AREAS OR ON BOARD MAINTENANCE AND FUELING VEHICLES. CONTAIN AND CLEAN UP PETROLEUM SPILLS IMMEDIATELY.
- HAZARDOUS PRODUCTS - THESE PRODUCTS SHALL BE USED IN A SAFE MANNER TO AVOID POLLUTION OF STORM WATER. EQUIPMENT SHOULD BE ON-SITE TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIALS IN THE AREAS WHERE THESE MATERIALS ARE STORED OR USED. CONTAIN AND CLEAN UP SPILLS IMMEDIATELY AFTER THEY OCCUR.
- NON-STORM WATER DISCHARGES - THESE DISCHARGES INCLUDE BUT NOT LIMITED TO: FIRE HYDRANT FLUSHINGS, POTABLE WATER SOURCES (FLUSHING), IRRIGATION, BUILDING WASHDOWN, AND AIR CONDITIONING CONDENSATION. PRIOR TO ANY DISCHARGE, ALL DOWNSLOPE SITE SEDIMENTATION AND EROSION CONTROLS SHOULD BE IN PLACE. DISCHARGE SHOULD ONLY BE DIRECTED TO AREAS THAT ARE STABILIZED TO MINIMIZE EROSION (E.G., BUFFER ZONE, VEGETATED FILTER STRIPES, INLET AND OUTLET PROTECTION, LEVEL SPREADERS, ETC.) DO NOT DISCHARGE NON-STORM WATER FLOWS ONTO DISTURBED AREAS.
- A STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT IS REQUIRED AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT IS 0.5 INCHES OR GREATER. THE REPORTS ARE TO BE FILED AT THE PROJECT SITE WITH THE STORM WATER POLLUTION PREVENTION PLAN.

OPERATION AND MAINTENANCE INSTRUCTIONS:

AS REQUIRED BY ST. JOHNS RIVER WATER MANAGEMENT DISTRICT, AS OWNER, YOU AND YOUR SUCCESSORS AND ASSIGNS SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE PROPOSED DRAINAGE FACILITIES FOR THIS SITE. ANY TRASH OR DEBRIS SHALL BE REMOVED FOLLOWING EACH STORM. ALL DRAINAGE STRUCTURES SHALL BE INSPECTED EVERY (6) MONTHS TO DETERMINE THE NEED FOR ANY REPAIR OR CLEARANCE OF SEDIMENT. SEDIMENT SHOULD BE REMOVED FROM THE STRUCTURES WHEN IT ACCUMULATES TO A POINT AT WHICH CONVEYANCE VOLUMES ARE REDUCED BELOW DESIGN LEVELS.

IN ADDITION, YOU OR YOUR DESIGNATED REPRESENTATIVE SHALL INSPECT THE RETENTION POND(S) ON A WEEKLY BASIS FOR THE FORMATION OF SINKHOLES. SHOULD A SINKHOLE FORM, YOU MUST FOLLOW ALL APPLICABLE PROCEDURES OUTLINED BY THE TYPICAL SINK CHIMNEY REPAIR DETAIL SHOWN ON THESE PLANS. AT SUCH TIME, YOU MUST ALSO NOTIFY THE SURVMO WITHIN 48 HOURS OF DISCOVERY OF SAID SINKHOLE, AND SUBMIT A DETAILED REPAIR PLAN FOR WRITTEN APPROVAL WITHIN 30 DAYS OF SAID DISCOVERY. ANY CHANGES TO THE TYPICAL SINK CHIMNEY REPAIR DETAIL AS SHOWN ON THE ENGINEERING PLANS SHALL BE DETERMINED AT THIS TIME BASED ON ACTUAL CONDITIONS.

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

OCALA FIRE RESCUE DATE:

THE STORMWATER MANAGEMENT MEASURES PROPOSED ON THIS PLAN SHALL BE EFFECTIVELY IMPLEMENTED AND MAINTAINED UNTIL COMPLETION OF THE PROJECT OR UNTIL THE PERMANENT SURFACE WATER MANAGEMENT SYSTEM IS OPERATIONAL.

OCALA FIRE RESCUE DATE:

NOTICE:
CONTRACTOR IS RESPONSIBLE TO APPLY FOR AND OBTAIN AN FDEP NOI NPDES PERMIT, THEN RETAIN AN ON-SITE COPY OF THE APPROVED PERMIT.

NO.	REVISIONS	DATE	BY

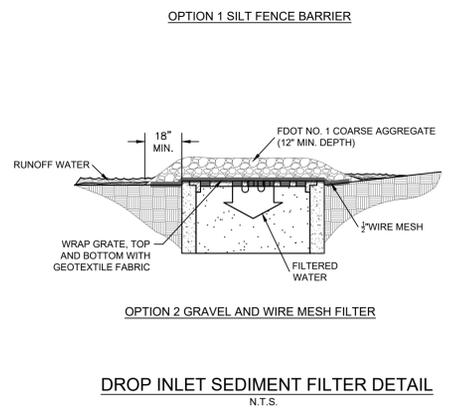
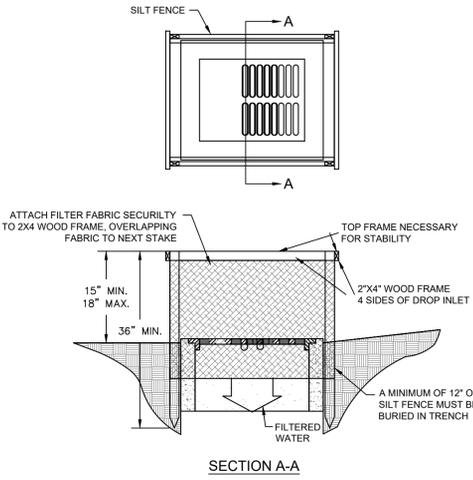
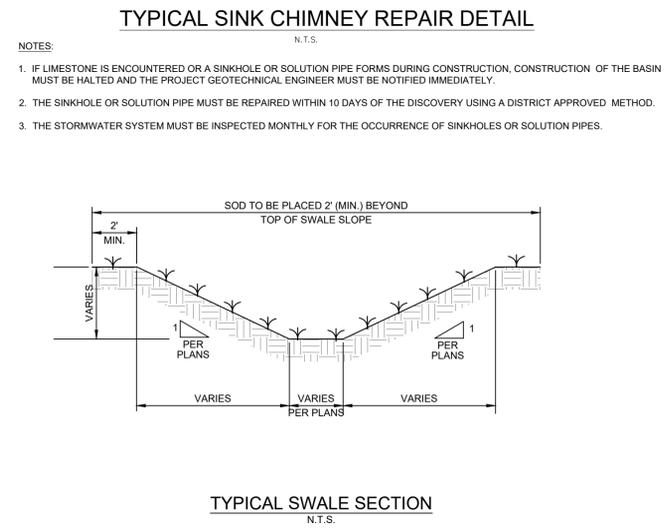
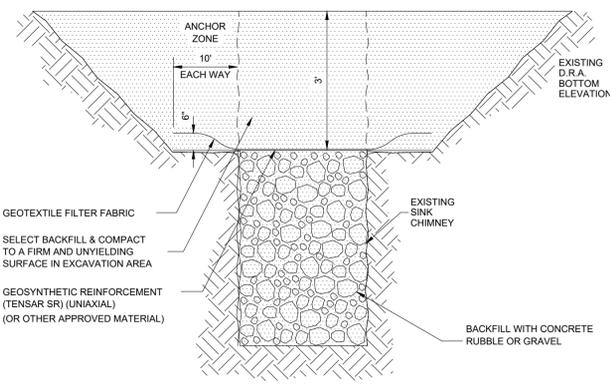
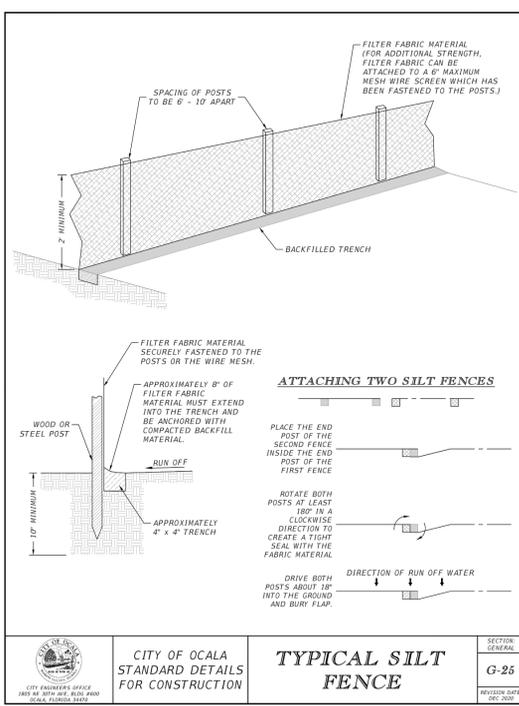
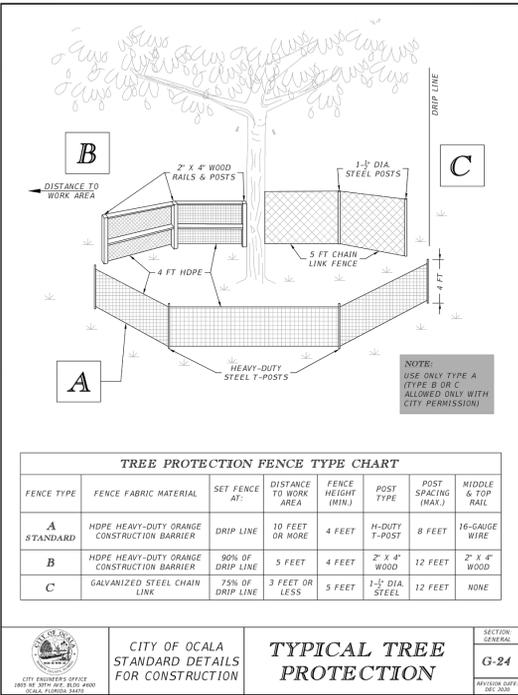
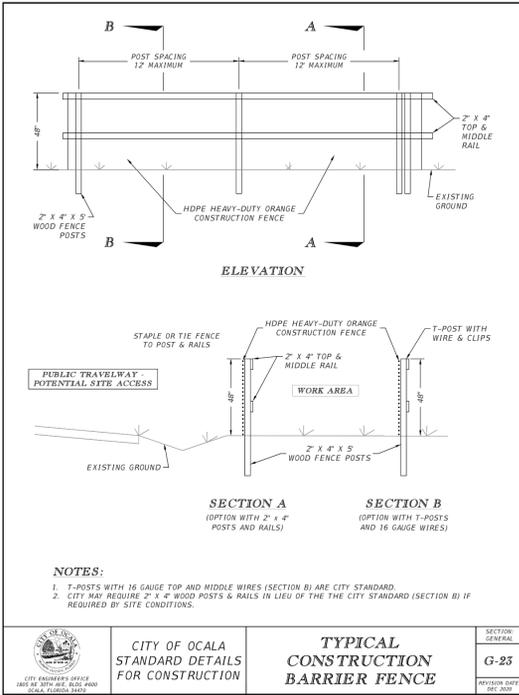
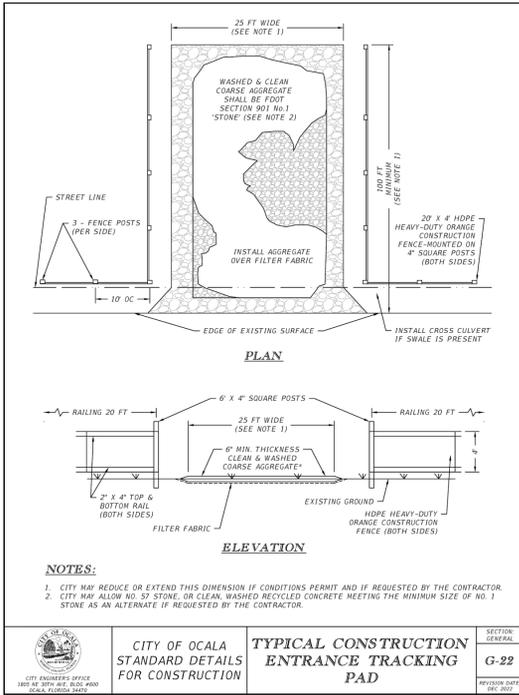
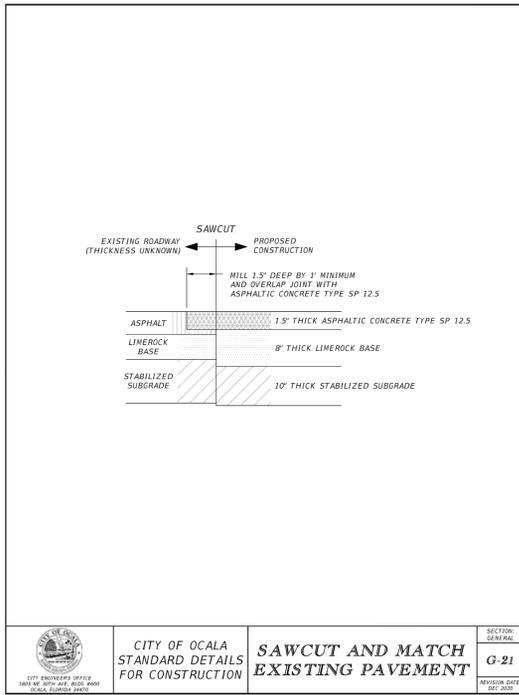
Kimley»Horn
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1700 SE 17TH STREET, SUITE 200, OCALA, FLORIDA 34471
PHONE: 352-438-3000
WWW.KIMLEY-HORN.COM REGISTRY NO. 35108

KHA PROJECT	24-2218016
DATE	OCTOBER 2025
SCALE	AS SHOWN
DESIGNED BY	KHA
DRAWN BY	KHA
CHECKED BY	KHA

EROSION CONTROL PLAN

FIRE STATION 07
APPARATUS STORAGE
PREPARED FOR
OCALA FIRE RESCUE
CITY OF OCALA FLORIDA
SHEET NUMBER
C06.00





NOTES:
 1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%).
 2. USE 2"x4" WOOD OR EQUIVALENT INSURE STAKES (3 FT. MIN. LENGTH).
 3. INSTALL 2"x4" WOOD FRAME TO INSURE STABILITY.
 4. SEE EROSION CONTROL PLAN FOR LOCATIONS AND APPLICABILITY.

NO.	REVISIONS	DATE	BY

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 PHONE: 352-438-3000
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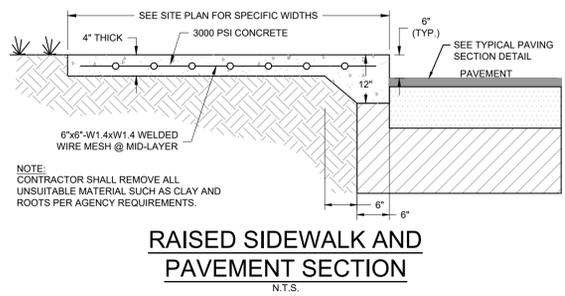
LICENSED PROFESSIONAL
 JOSE A. LOPEZ JR., P.E.
 FLORIDA LICENSE NUMBER 86446

EROSION CONTROL DETAILS

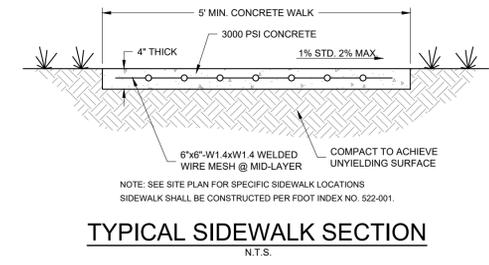
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CITY OF OCALA FLORIDA
 SHEET NUMBER C06.01

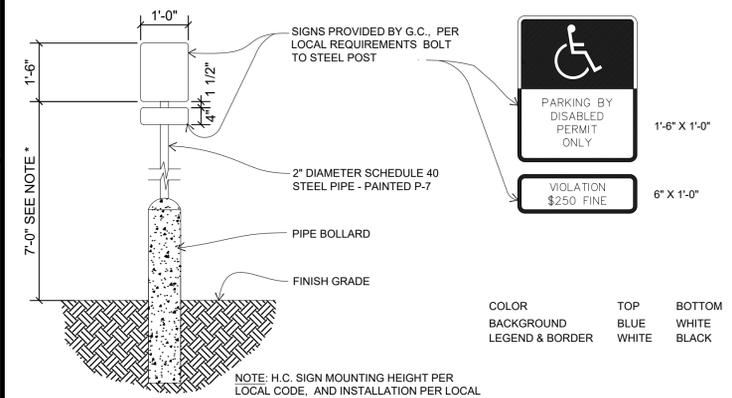




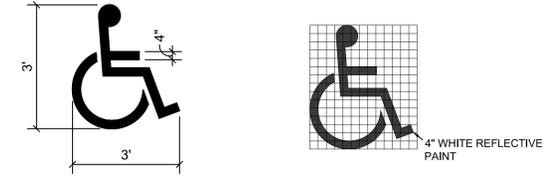
RAISED SIDEWALK AND PAVEMENT SECTION
N.T.S.



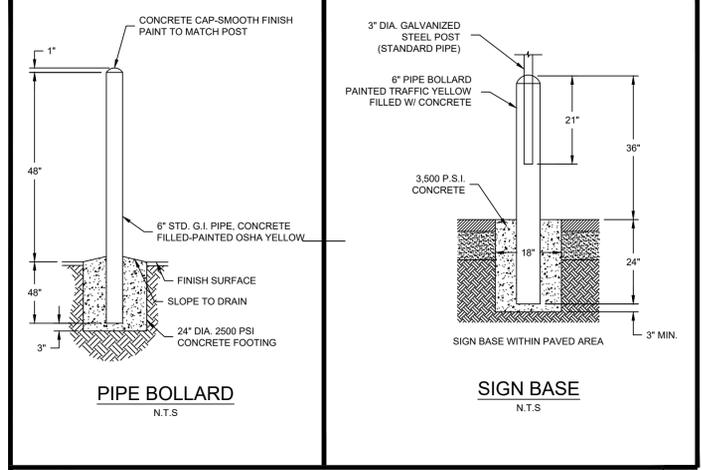
TYPICAL SIDEWALK SECTION
N.T.S.



HANDICAP SIGN DETAIL
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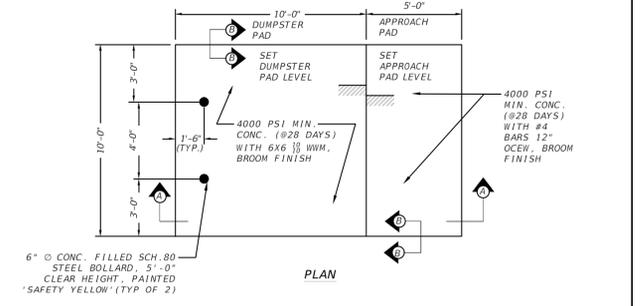


HANDICAP SYMBOL
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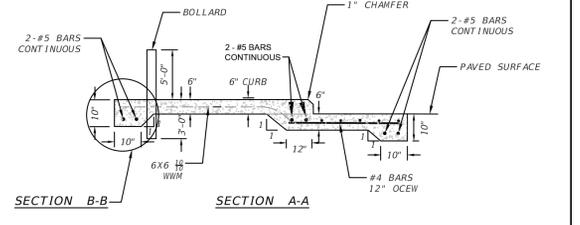


PIPE BOLLARD
N.T.S.

SIGN BASE
N.T.S.



PLAN



SECTION B-B **SECTION A-A**

- NOTES:
- SW-12A1 DUMPSTER PAD IS FOR ALL GENERAL PURPOSES INCLUDING RESTAURANT DRY RECYCLABLES APPLICATIONS.
 - USE DETAIL SW-12B1 FOR DUMPSTER PADS FOR RESTAURANT FOOD-WASTE APPLICATIONS ONLY.
 - ENGINEER SHALL USE THE CURRENT VERSION OF THE FL. BUILDING CODE AND PREPARE A COMPLETE STRUCTURAL DESIGN FOR THE DUMPSTER PAD AND APPROACH PAD MEETING THE MINIMUM CRITERIA SET FORTH IN THIS CITY STANDARD.

<p>CITY ENGINEER'S OFFICE 1800 NE 20TH AVE. SUITE 9000 OCALA, FLORIDA 34476</p>	<p>CITY OF OCALA STANDARD DETAILS FOR CONSTRUCTION</p>	<p>COMMERCIAL DUMPSTER PAD TYPE 1</p>	<p>SECTION: STORM</p>
		<p>GENERAL USE</p>	<p>REVISION DATE: DEC 2020</p>

NO.	REVISIONS	DATE	BY

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PHONE: 352-438-3000
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LICENSED PROFESSIONAL
JOSE A. LOPEZ JR., P.E.
FLORIDA LICENSE NUMBER
86446

KHA PROJECT
24-2218016

KHA DATE
OCTOBER 2025

KHA SCALE
AS SHOWN

KHA DESIGNED BY
KHA

KHA DRAWN BY
KHA

KHA CHECKED BY
KHA

DATE: _____

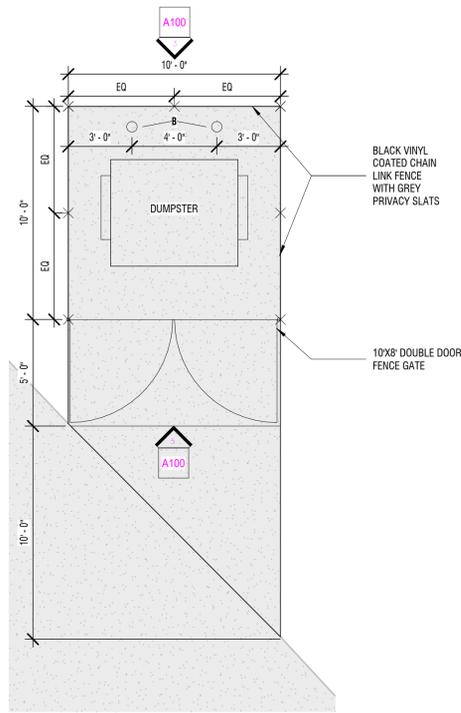
**CONSTRUCTION
DETAILS**

**FIRE STATION 07
APPARATUS STORAGE**
PREPARED FOR
OCALA FIRE RESCUE

CITY OF OCALA FLORIDA

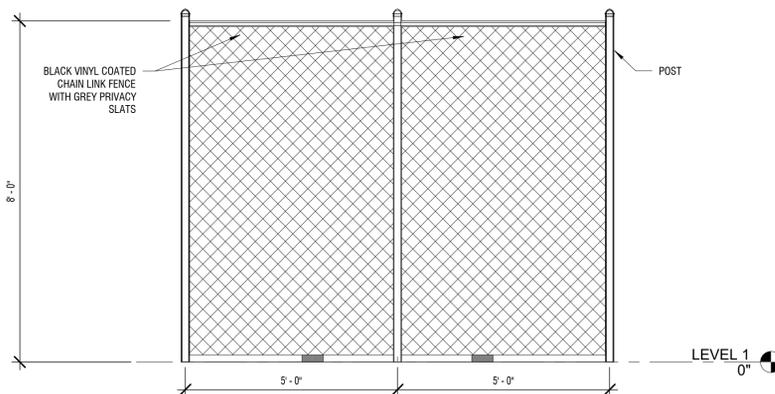
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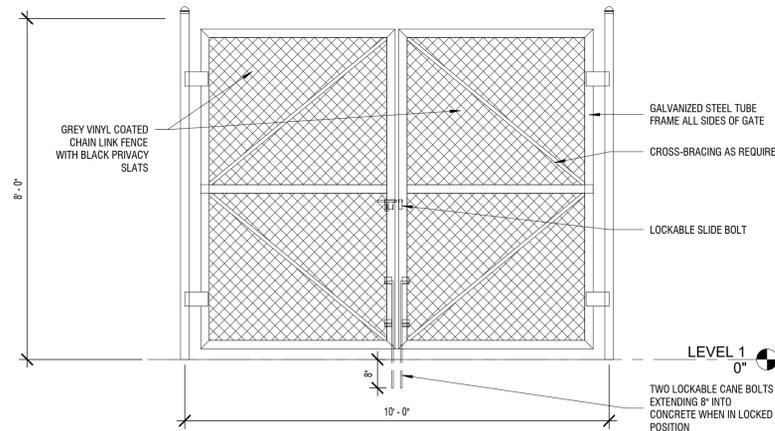
BLACK PRIVACY SLATS - PLAN

2
A100 SCALE: 1/4" = 1'-0"



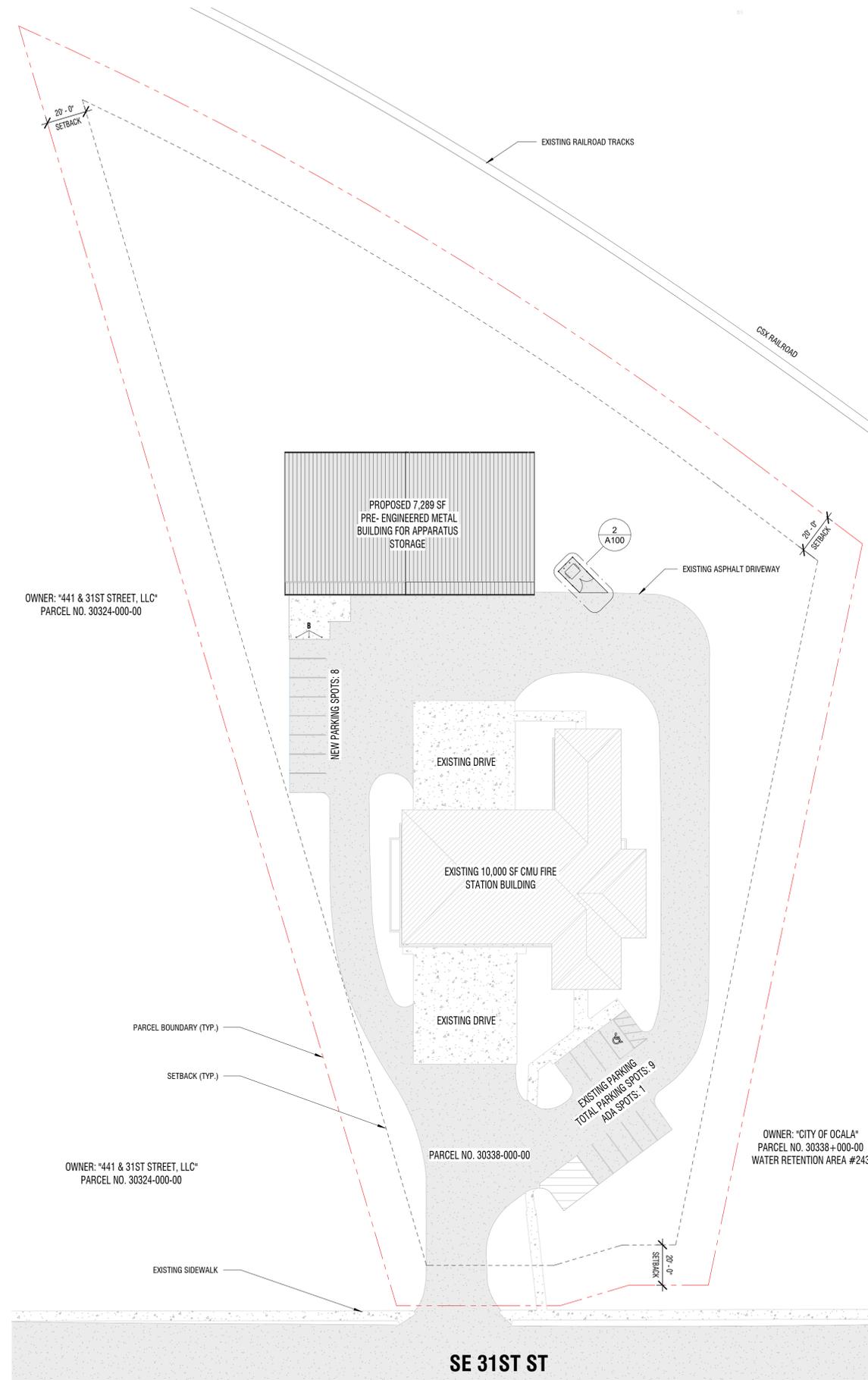
BLACK PRIVACY SLATS - TYP. NORTH - EAST - SOUTH ELEVATION

3
A100 SCALE: 1/2" = 1'-0"



BLACK PRIVACY SLATS - SOUTH ELEVATION

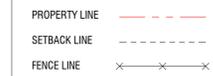
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PLAN - SITE

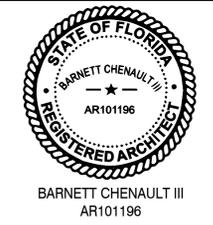
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A100 SCALE: 1/32" = 1'-0"

SITE PLAN - LEGEND



SHEET NOTES - PLAN (SITE)

- EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS ARE TO BE CONSIDERED APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR THROUGH FIELD SURVEYS AND MEASUREMENTS BEFORE BEGINNING CONSTRUCTION.
- ALL SITE ADAPTATION WORK REQUIRED TO CONSTRUCT BUILDINGS SHALL BE IN ACCORDANCE WITH THE FOLLOWING CODES OF RECORD-FLORIDA BUILDING CODE 2023 WITH APPLICABLE REVISIONS, FLORIDA FIRE PREVENTION CODE, NFPA 1 7th EDITION (2021).
- CONTRACTOR SHALL CLEAR AND PREPARE THE SITE TO RECEIVE NEW BUILDING. FILL SHALL BE COMPACTED TO MINIMUM 2,500 PSF AS PRELIMINARY BASIS OF DESIGN TO BE CONFIRMED BY GEO-TECHNICAL REPORT. GENERAL CONTRACTOR SHALL SUBMIT TO OWNER GEO-TECHNICAL REPORTS CONFIRMING THE REQUIRED COMPACTION PRIOR TO CONSTRUCTION OF BUILDINGS. CONTRACTOR SHALL PREPARE THE SITE TO RECEIVE NEW FOUNDATIONS AS REQUIRED BY THE GEO-TECHNICAL REPORT.
- BUILDING SHALL BE ACCESSIBLE. ALL WALKWAYS, RAMPS, AND STAIRS LEADING TO THE BUILDING SHALL BE IN COMPLIANCE WITH FLORIDA ACCESSIBILITY CODE. THERE SHALL BE NO CHANGES IN WALKWAY ELEVATION GREATER THAN 1/4".
- CONTRACTOR SHALL REROUTE AND REPAIR ANY IRRIGATION IN CONFLICT WITH PROPOSED SCOPE OF WORK. CONTRACTOR SHALL RE-GRADE AND RE-SOD ALL AREAS AFFECTED BY NEW WORK.
- GENERAL CONTRACTOR SHALL PROVIDE 6 FT. CHAIN LINK CONSTRUCTION FENCE AS REQUIRED TO CONTROL AND SEPARATE PEDESTRIAN TRAFFIC FROM CONSTRUCTION ACTIVITIES. EXACT LOCATION AND CONFIGURATION SHALL BE COORDINATED WITH DISTRICT REPRESENTATIVE AT PRE-CONSTRUCTION MEETINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL BE FAMILIAR WITH AND BE RESPONSIBLE FOR ADHERENCE TO ALL GOVERNING REGULATIONS.
- DURING THE ENTIRE CONSTRUCTION PERIOD, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE JOB SITE SO AS TO MEET IN ALL RESPECTS THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. TO THIS END, THE CONTRACTOR SHALL INFORM HIMSELF AND HIS REPRESENTATIVES OF OSHA STANDARDS.
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS FOR EXACT EXTENT OF DEMOLITION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING W/ WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONFLICTS THAT MAY HAVE BEEN AVOIDED THEREBY.
- CONTRACTOR IS TO REFER TO CIVIL, LANDSCAPE, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR FULL EXTENT OF WORK.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER SO THAT THE OWNER'S AND SURROUNDING PROPERTY OPERATIONS/ACTIVITIES ARE NOT INTERRUPTED. IF ANY ACTIVITY IS TO BE INTERRUPTED, I.E. NORMAL WORKING.
- CONDITIONS, TELEPHONE, ELECTRICITY, WATER OR ANY OTHER UTILITY NOT MENTIONED, CONTRACTOR IS TO OBTAIN WRITTEN PERMISSION FROM THE OWNER AUTHORIZING SUCH INTERRUPTION.
- ITEMS TO BE REMOVED IN DEMOLITION AREAS ARE TO BE VERIFIED BY FIELD INSPECTION. IT IS THE INTENT TO REMOVE EXISTING FEATURES AS REQUIRED TO PREPARE THE AREA FOR CONSTRUCTION. IF A FEATURE OF REMOVED IS NOT SHOWN IT DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF REMOVING SUCH A FEATURE OR ENTITLED HIM TO AN EXTRA FOR THE REMOVAL OF SUCH FEATURE.
- REPAIR ALL PAVED AND WALK SURFACES DAMAGED BY CONSTRUCTION TO LIKE NEW WITH MATERIAL TO MATCH ADJACENT.
- FOR ALL GRADING OF SITE SEE CIVIL DRAWINGS.
- CONTRACTOR SHALL LOCATE, CLEARLY MARK AND COORDINATE ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK.
- ALL FENCE MATERIAL TO BE ALLIED SS40 OR EQUAL CONFORMING TO CLFM AND DISTRICT SPECIFICATIONS. ALL FENCING MATERIAL TO BE GALVANIZED AND COATED UNLESS NOTED OTHERWISE. ALL FENCES ARE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE CODES INCLUDING CURRENT EDITION OF FLORIDA BUILDING CODE. MINIMUM WIND SPEED OF 186 MILES PER HOUR AND EXPOSURE CATEGORY 'C' TO BE USED IN DESIGN.
- ALL SITE BOLLARDS ARE TO BE PROVIDED WITH DECORATIVE COVER EQUAL TO RELIANCE FOUNDARY, LTD. MODEL R-7172 WITH COLOR TO BE SELECTED FROM FULL RANGE OF COLORS BY ARCHITECT/OWNER.
- ALL SITE LIGHTING POLES TO BE PROVIDED WITH ADDITIONAL CONVENIENCE EXTERIOR GRADE COVERED DUPLEX OUTLET MOUNTED AT BASE.
- ALL PROPOSED STRUCTURES WHICH INCLUDE SITE LIGHTING POLES, FENCES, WALLS, ETC. MUST COMPLY WITH THE FOLLOWING: FBC 1620.2, FBC 1612.2.1, FBC 1621.1 (ASCE 7-10) & FBC 1621.2 (ASCE 7-10).
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED CIVIL WORK RELATED TO BOTH THE ON AND OFF SITE CONDITIONS NOT GRAPHICALLY SHOWN ON THIS ARCHITECTURAL SITE PLAN.



REVISIONS

FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
PERMIT DOCUMENTS

A100

ARCHITECTURAL SITE PLAN

Project Number: 52-0001
Date: 10/10/2025
Drawn By: HR
Checked By: SG

SHEET NOTES - PLAN (OVERALL)

1. DIMENSION STRINGS ARE PULLED FROM CENTER OF COLUMNS, EDGE OF SLAB, OR FACE OF FRAMING U.N.O.
2. 1/2" PLYWOOD TO BE INSTALLED ON INTERIOR SIDE OF ROOM 101 UP TO 8' - 0" A.F.F. SEE WALL SECTIONS FOR MORE INFORMATION

RCP LEGEND



LIGHTING FIXTURE SCHEDULE

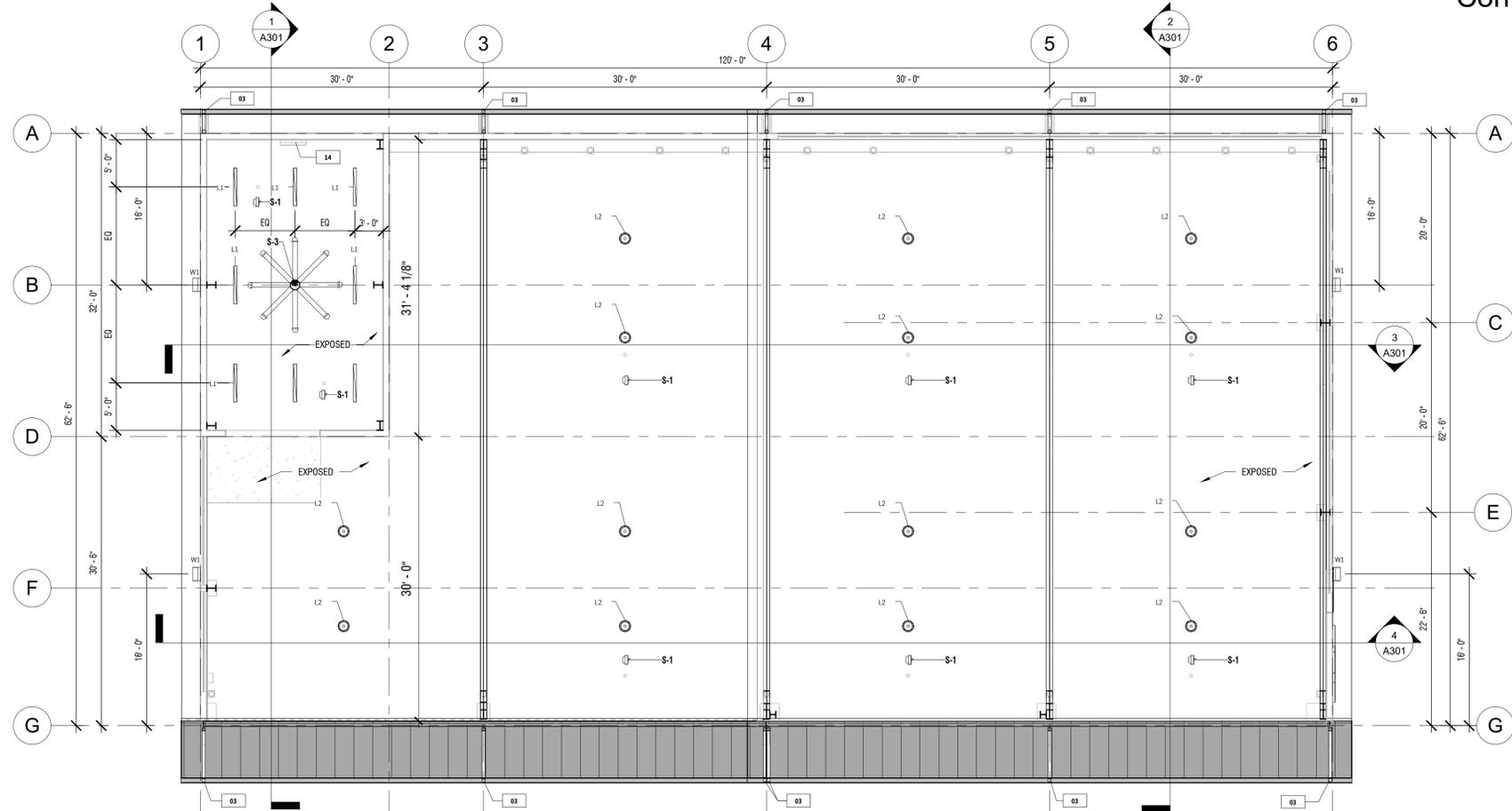
COUNT	TYPE	NAME / DESCRIPTION	BASIS OF DESIGN	
			MANUFACTURER	MODEL
8	L1	LED PENDANT DOWN LIGHT	DAY BRITE	FSI SERIES
14	L2	HIGH BAY LIGHTING FIXTURE	TRULY GREEN SOLUTIONS	CHB-E SERIES
4	W1	WALL PACK LIGHT	H.E. WILLIAMS	WPAS-L-34/850

KEYNOTES

KEY NOTE VALUE	KEYNOTE TEXT
03	DOWNSPOUT INSTALLED AT EACH PEMB PORTAL FRAME TYPICAL.
06	INSTALL 1/2" PLYWOOD UP TO 8' - 0" A.F.F. ON INTERIOR SIDE OF ROOM 101. SEE WALL SECTIONS FOR MORE INFORMATION
13	HOSE BIB, SEE PLUMBING, TYP.
14	NEW MINI SPLIT. SEE MEP DRAWINGS.

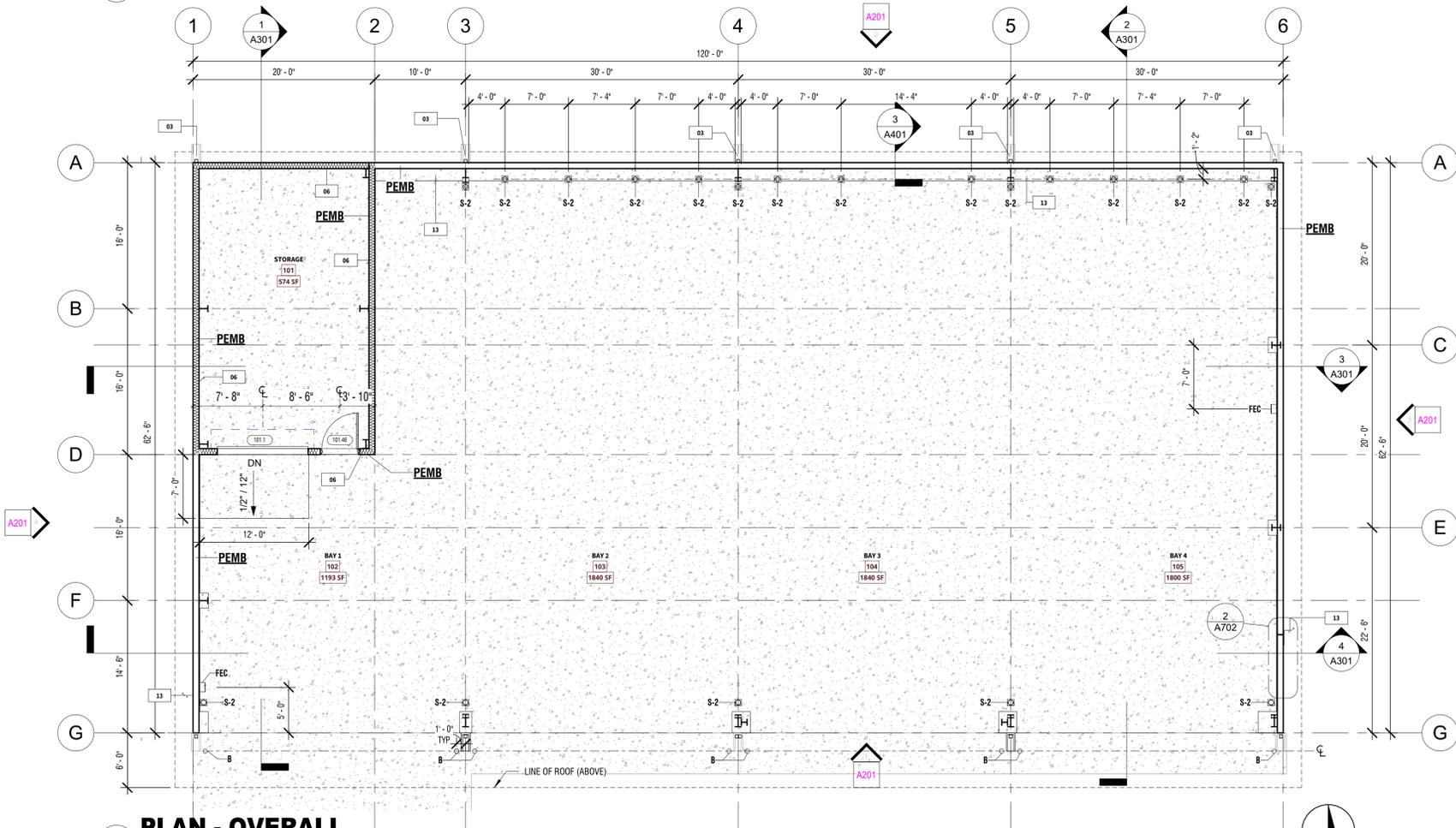
SPECIALTY EQUIPMENT SCHEDULE

COUNT	TYPE MARK	DESCRIPTION	BASIS OF DESIGN			COMMENTS
			MANUFACTURER	MODEL	FINISH	
14	B	5 1/2" DIA. POUR IN PLACE SAFETY BOLLARD	SETON	L8659LL3	BLACK ON YELLOW	SEE OCALA STANDARD DETAILS, SEE CIVIL
2	FEC	JL AMBASSADOR FIRE EXTINGUISHER CABINET	AMERA PRODUCTS	8113F10	STAINLESS STEEL	PAIRS WITH JL COSMIC 5E MULTI-PURPOSE ABC FIRE EXTINGUISHER
8	S-1	50' X 1 1/2" LOW PRESSURE HOSE REELS FOR AIR AND WATER	REELCRAFT	7850 OLP	N/A	PROVIDE UNSTRUT FRAMING FOR ATTACHEMENT TO PEMB, COORDINATE WITH PEMB MFG
20	S-2	5 1/2" DIA. SURFACE MOUNTED SAFETY BOLLARD	SETON	L8648JJ7	BLACK ON YELLOW	
1	S-3	LARGE FAN	MODERN FORMS	SIZE MATTERS 84L	STEALTH BLACK	



PLAN - RCP

SCALE: 1/8" = 1'-0"



PLAN - OVERALL

SCALE: 1/8" = 1'-0"



REVISIONS

FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

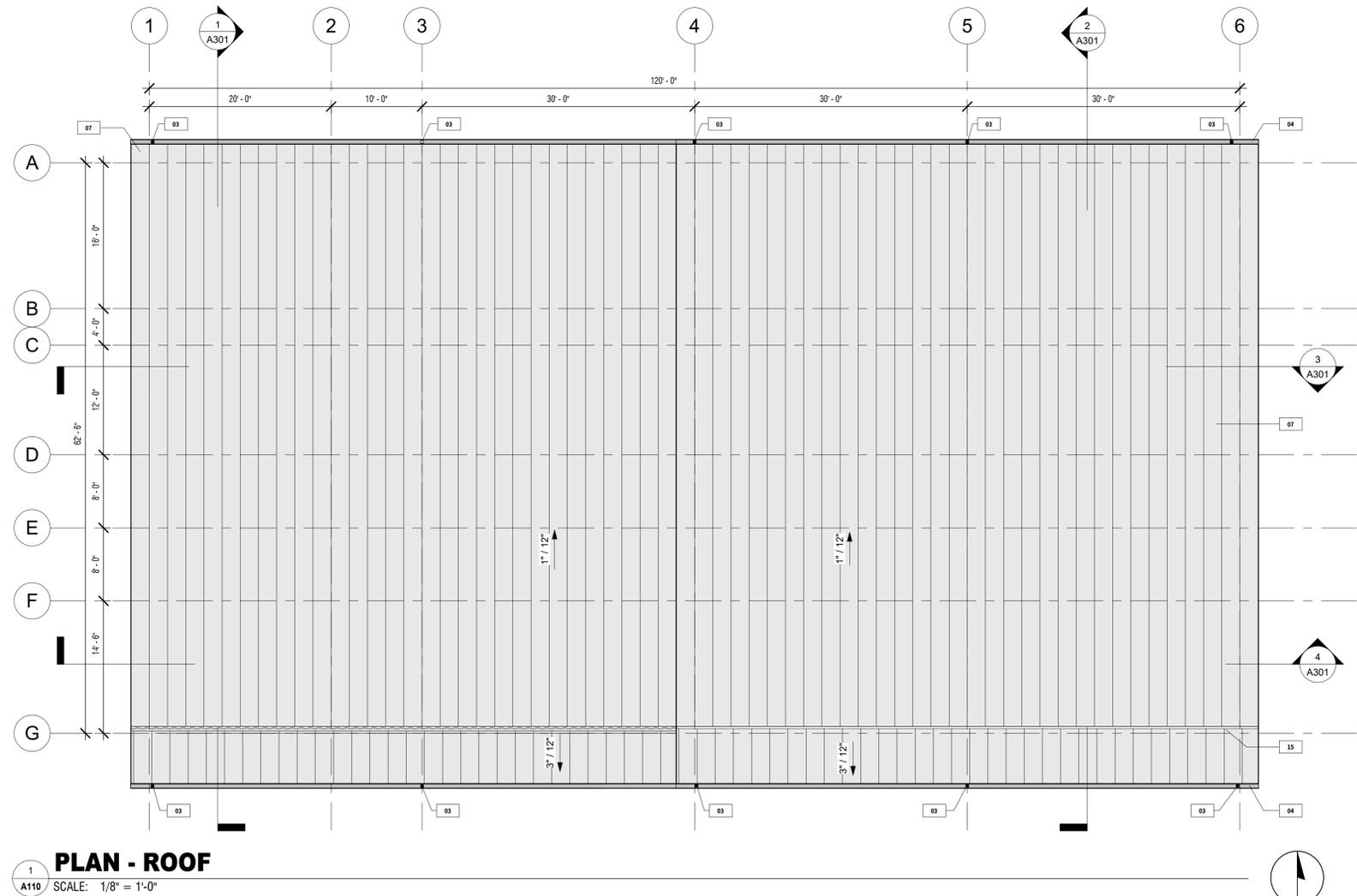
DESIGN PHASE:
PERMIT DOCUMENTS

A101

FLOOR PLAN & RCP

Project Number: 52-0001
Date: 10/10/2025
Drawn By: HR
Checked By: SG

KEYNOTES	
KEY NOTE VALUE	KEYNOTE TEXT
03	DOWNSPOUT INSTALLED AT EACH PEMB PORTAL FRAME TYPICAL.
04	GUTTER.
07	PEMB STANDING SEAM ROOF TO BE MTL-2.
15	METAL RIDGE CAP

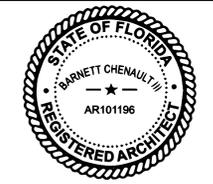


1 PLAN - ROOF
A110 SCALE: 1/8" = 1'-0"

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 www.campbellspeltz.com



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AR101196

REVISIONS

FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
 885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
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A110

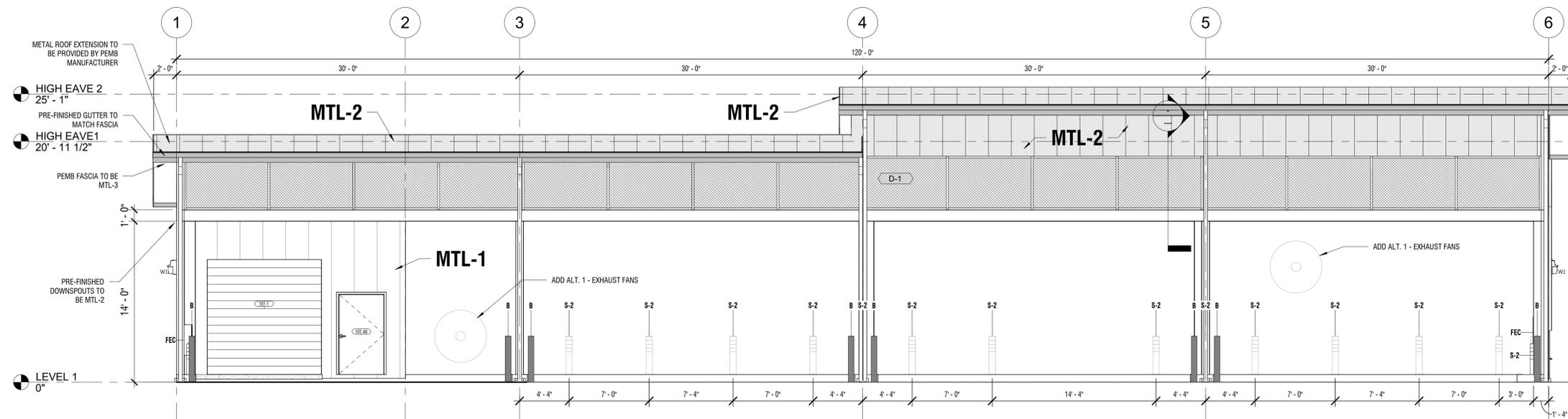
ROOF PLAN
 Project Number: 52-0001
 Date: 10/10/2025
 Drawn By: HR
 Checked By: SG

EXTERIOR FINISH LEGEND

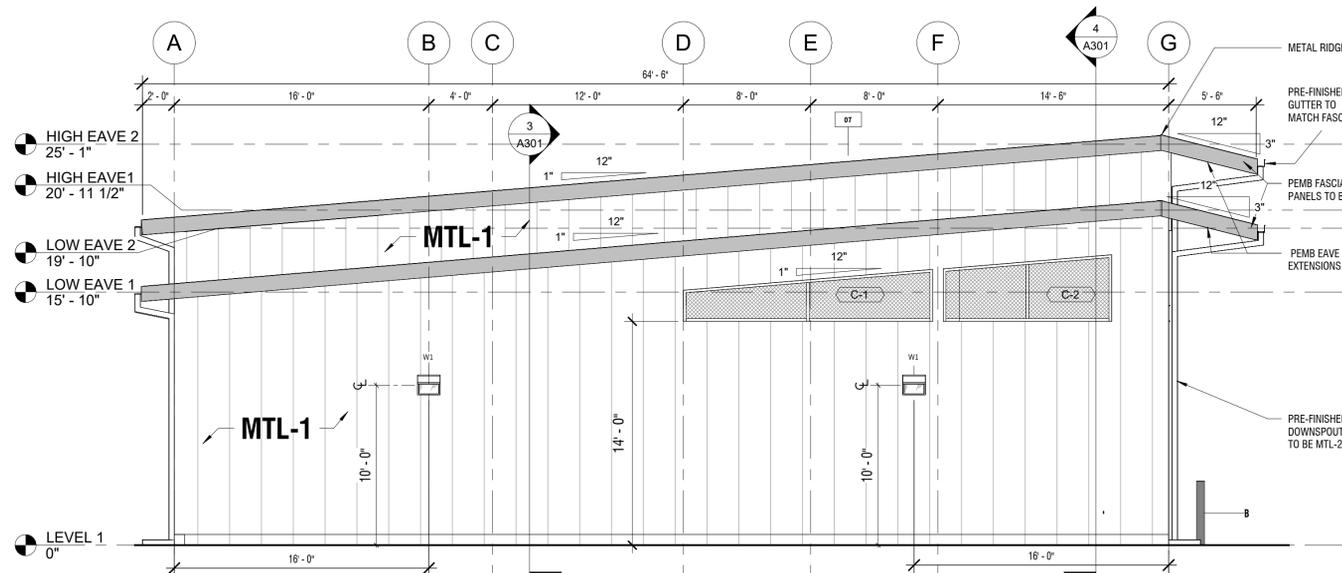
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MTL-2		MANUFACTURER: KYNAR SERIES: 500 COLOR: MIDNIGHT BRONZE
MTL-3		MANUFACTURER: SERIES: COLOR: REGAL RED
PT-2		MANUFACTURER: PPG SERIES: MATTHEWS COLOR: WHITE FINISH: SATIN
P-1		MANUFACTURER: MONICHOOLS SERIES: TALICA 8146 DESIGNER MESH WEAVE: TYPE 316, WOVEN - TWIN WIRE FLAT TOP WEAVE, 61% OPEN AREA

KEYNOTES

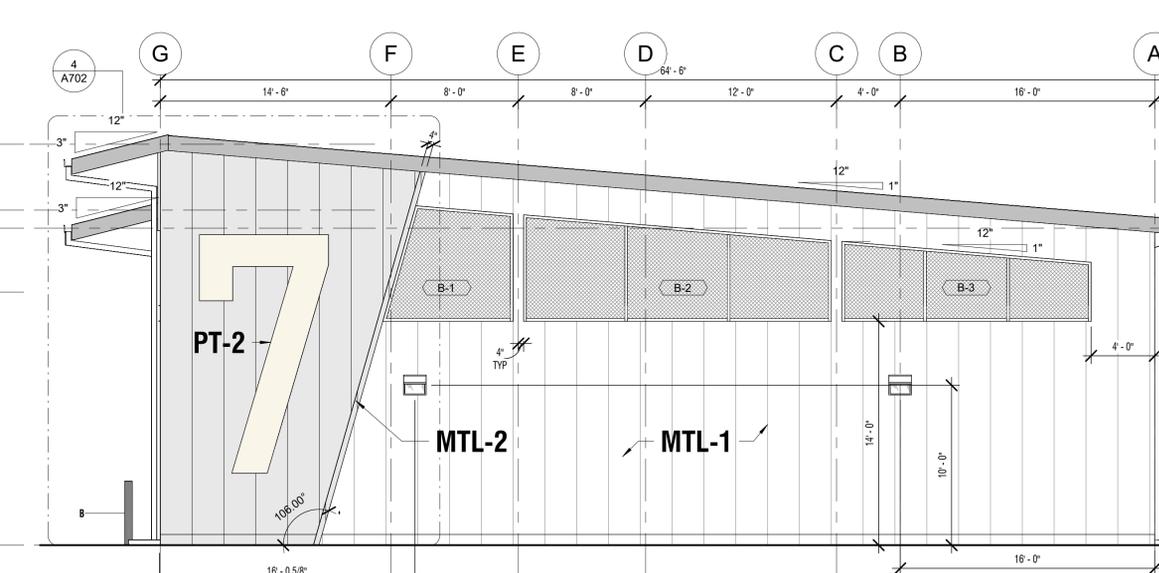
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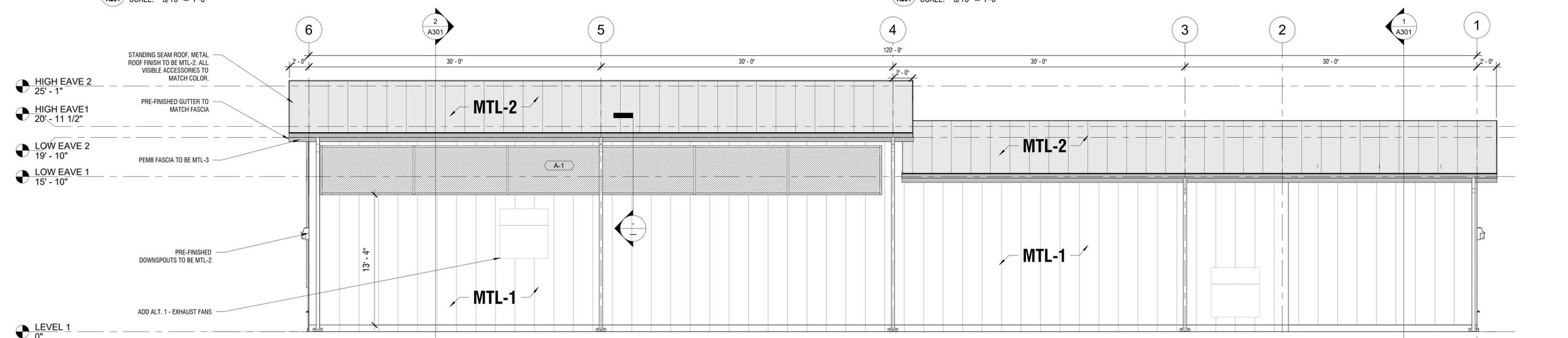
ELEVATION - SOUTH



ELEVATION - WEST



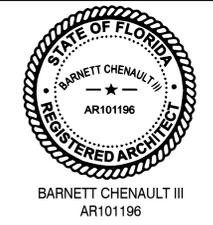
ELEVATION - EAST



ELEVATION - NORTH



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PHONE: (352) 372-6967
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REVISIONS

FIRE STATION 07 APPARATUS STORAGE

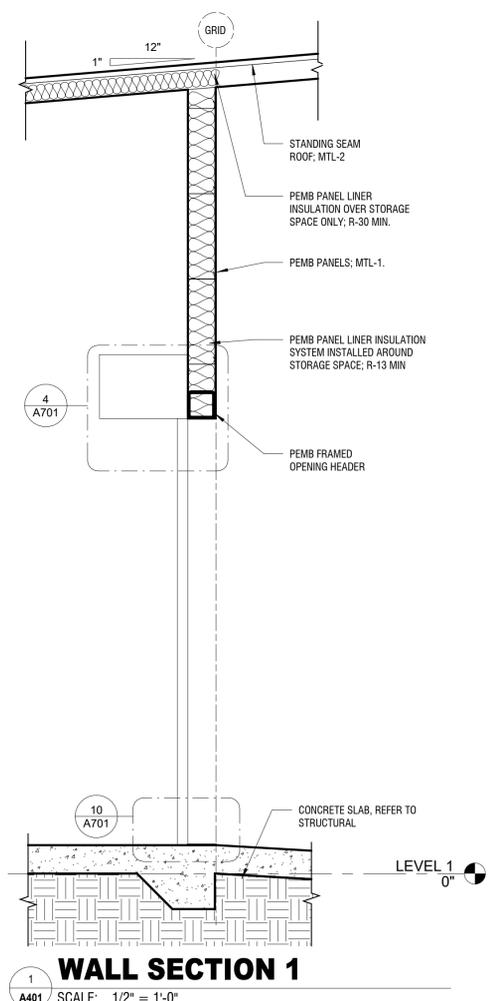
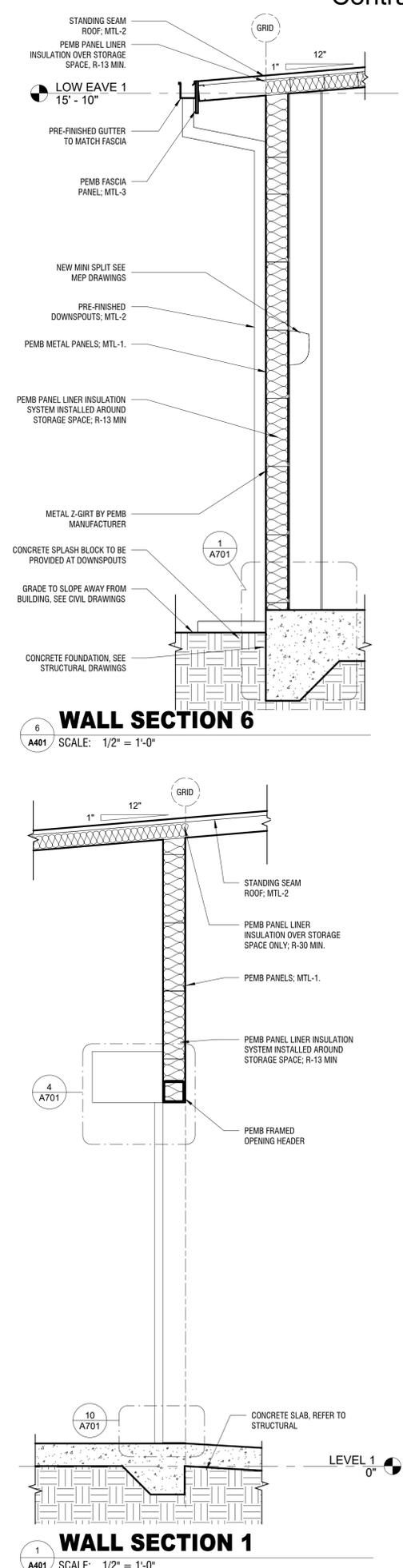
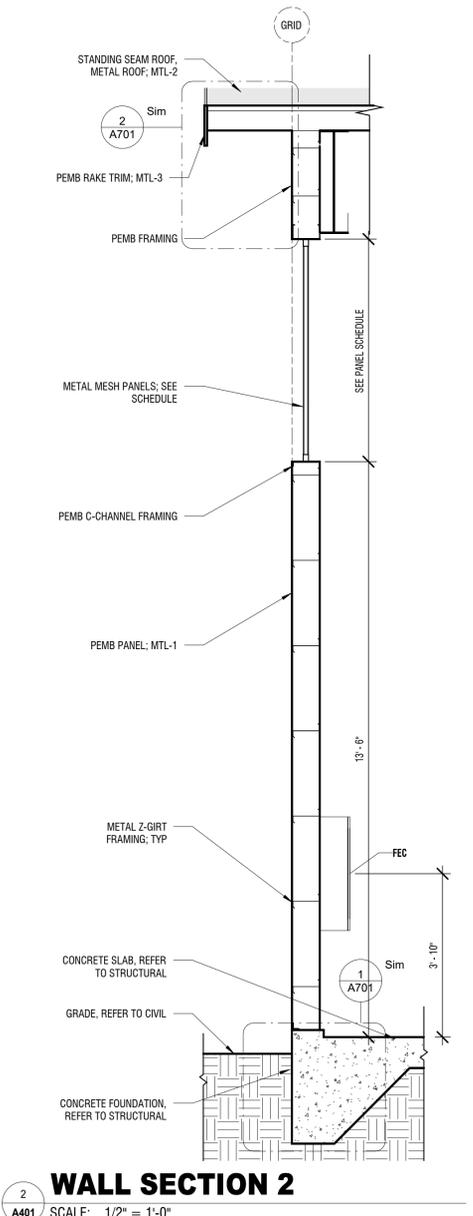
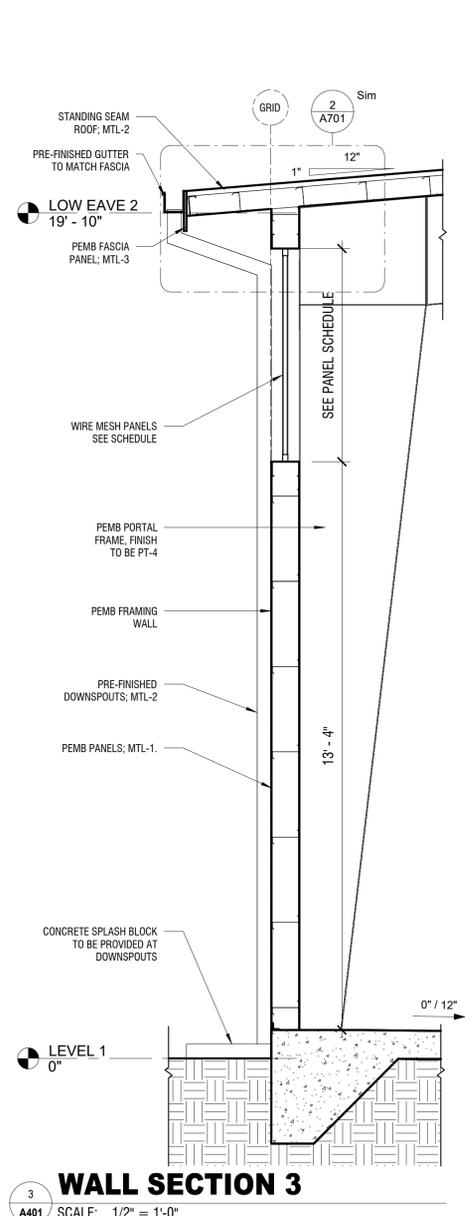
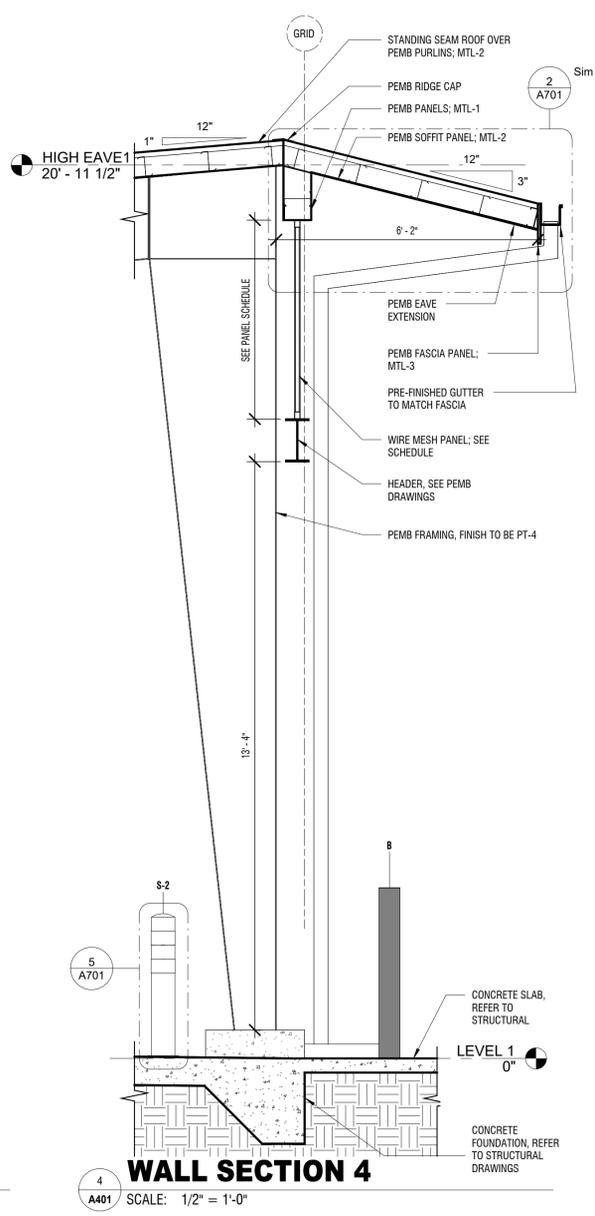
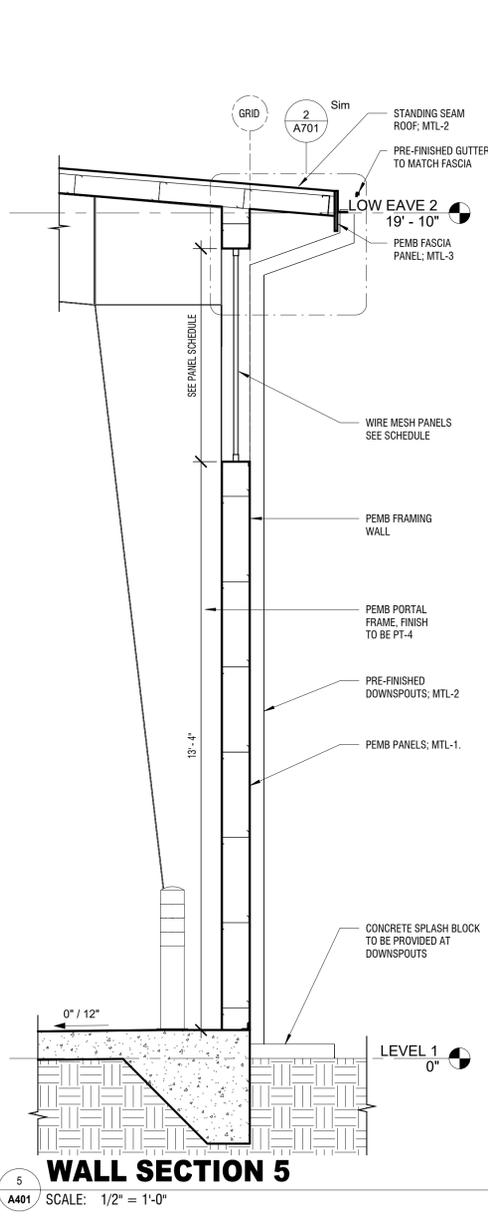
CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
PERMIT DOCUMENTS

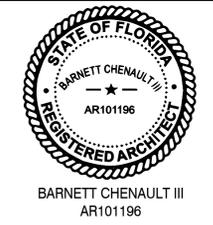
A201

ELEVATIONS
Project Number: 52-0001
Date: 10/10/2025
Drawn By: HR
Checked By: SG

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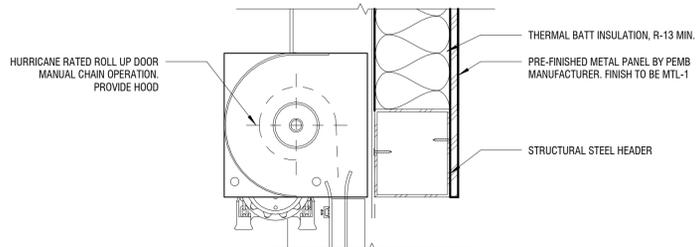
FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
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DESIGN PHASE:
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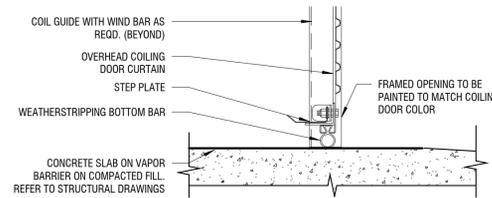
A401
 WALL SECTIONS

Project Number: 52-0001
 Date: 10/10/2025
 Drawn By: HR
 Checked By: SG



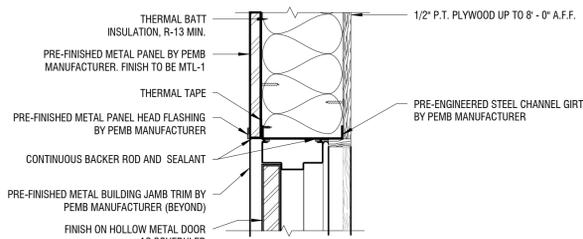
4 HEAD - ROLLING DOOR - EXT.

A701 SCALE: 1 1/2" = 1'-0"



10 SILL - ROLLING DOOR - EXT.

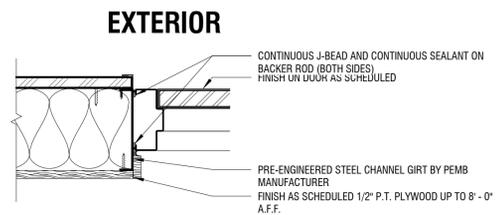
A701 SCALE: 1 1/2" = 1'-0"



EXTERIOR INTERIOR

7 HEAD - HM DOOR

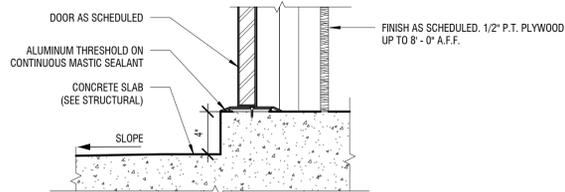
A701 SCALE: 1 1/2" = 1'-0"



EXTERIOR INTERIOR

8 JAMB - HM DOOR

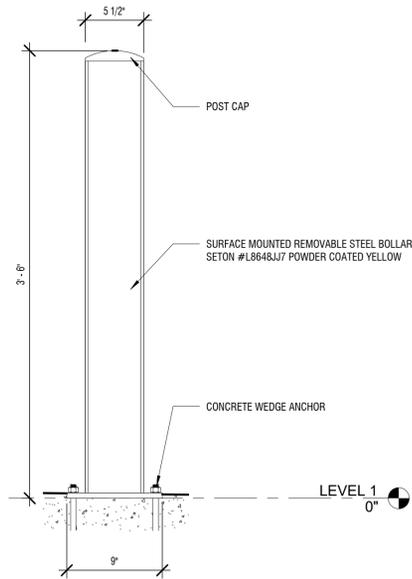
A701 SCALE: 1 1/2" = 1'-0"



EXTERIOR INTERIOR

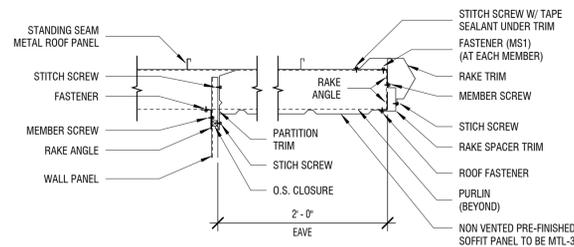
9 SILL - HM DOOR

A701 SCALE: 1 1/2" = 1'-0"



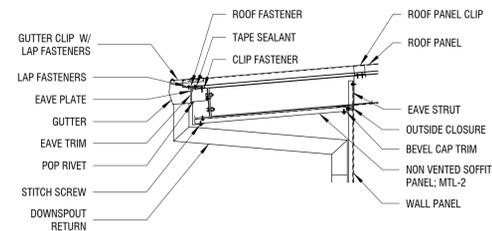
5 SURFACE MOUNTED BOLLARD TYP.

A701 SCALE: 1 1/2" = 1'-0"



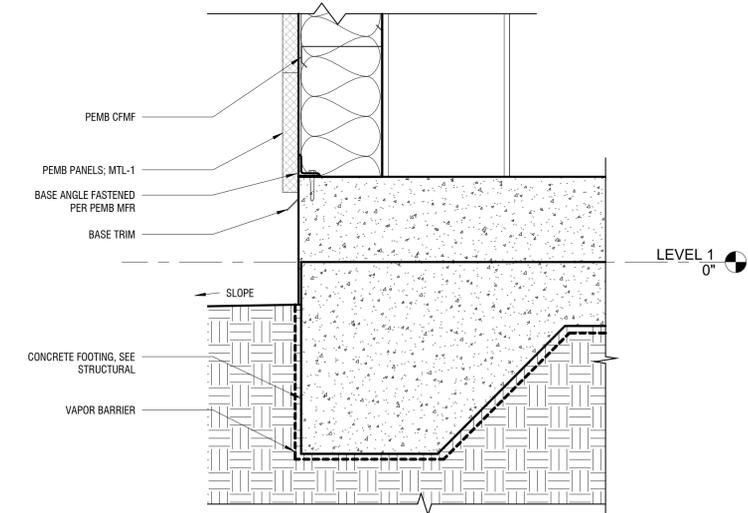
6 PEMB RAKE EDGE

A701 SCALE: 1" = 1'-0"



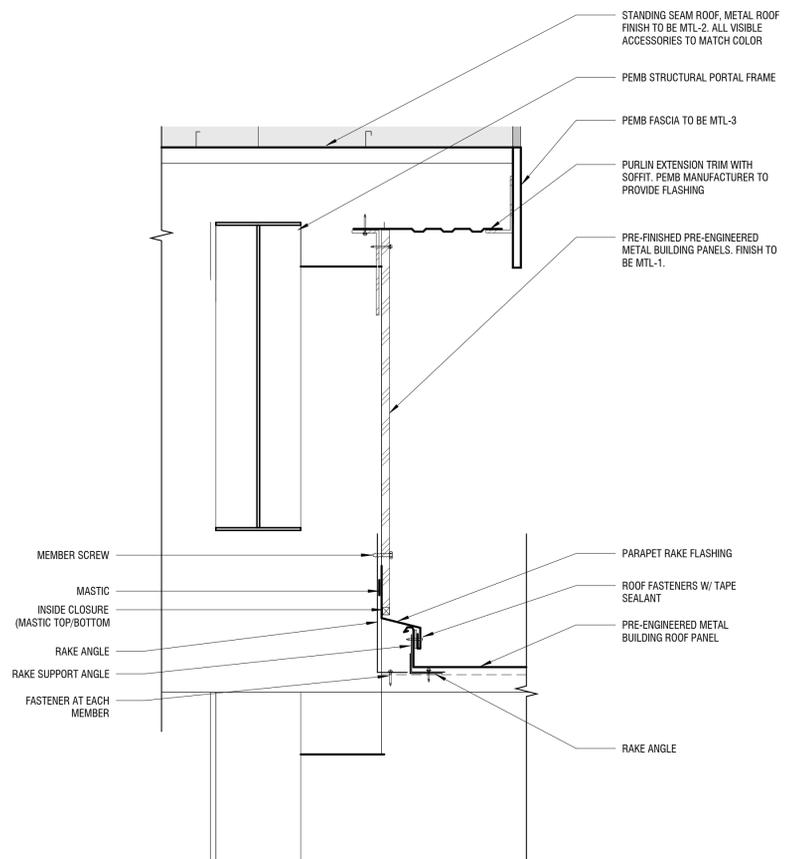
2 LOW EAVE

A701 SCALE: 1" = 1'-0"



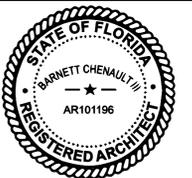
1 EXTERIOR WALL SECTION

A701 SCALE: 1 1/2" = 1'-0"



3 RAKE END DETAIL

A701 SCALE: 1 1/2" = 1'-0"



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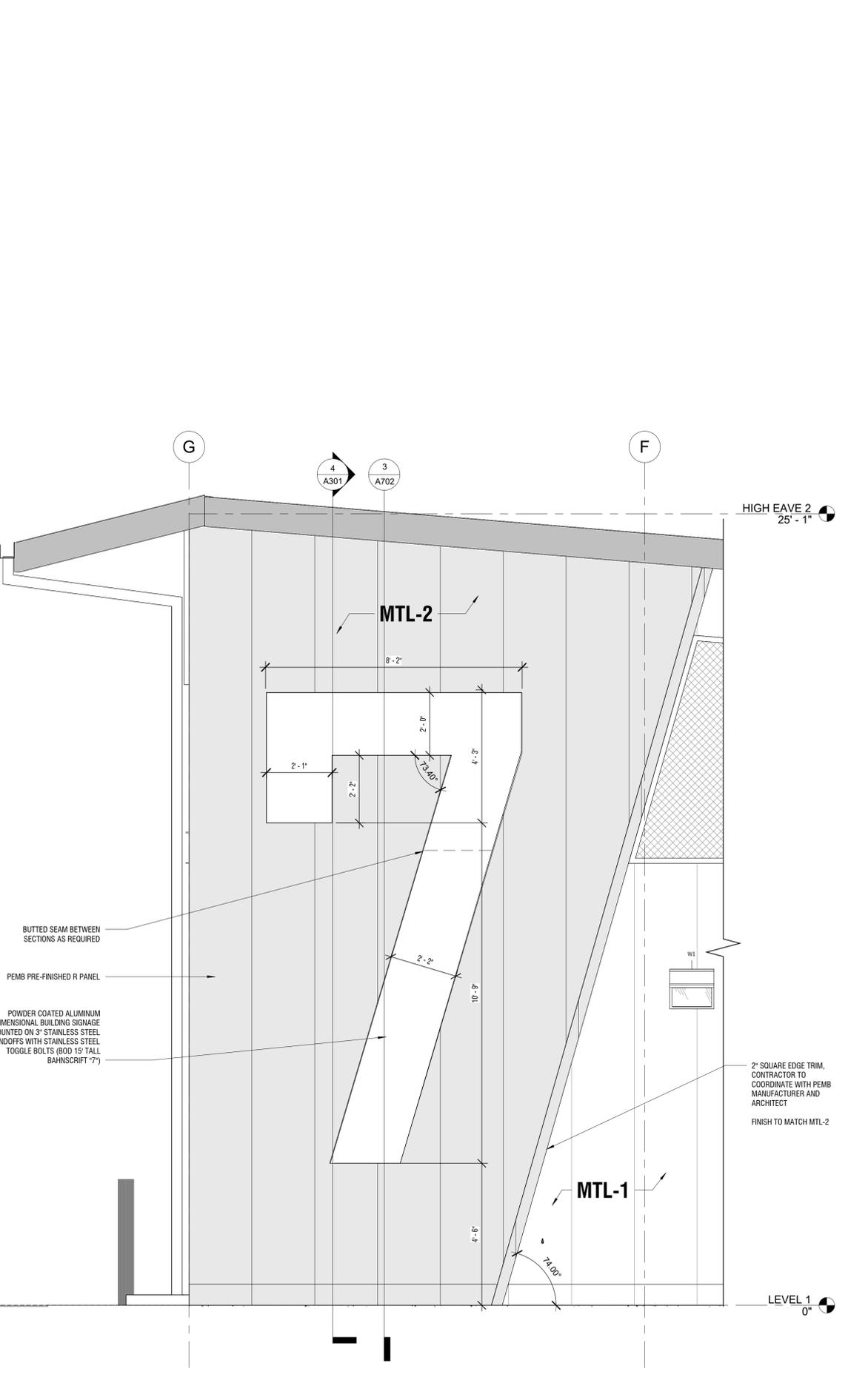
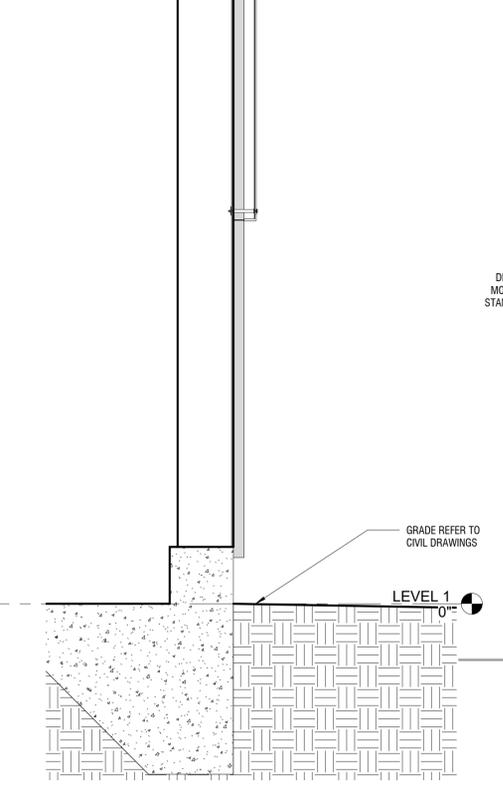
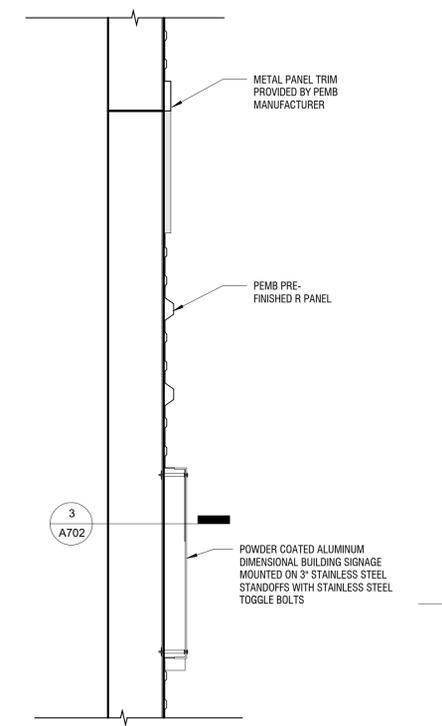
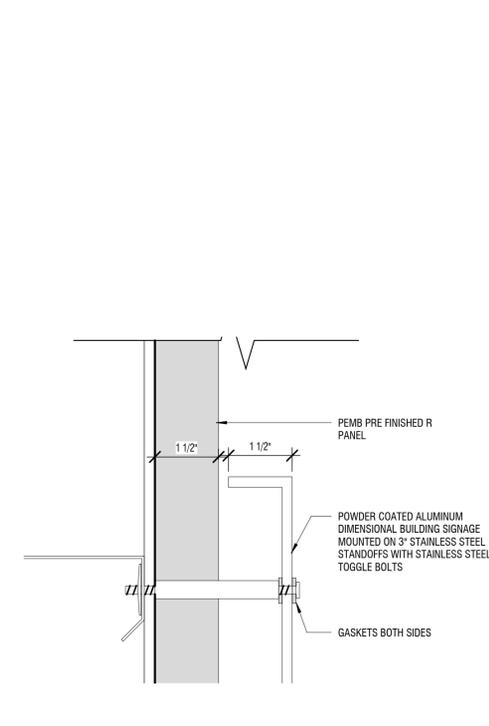
A701

EXTERIOR PEMB DETAILS

Project Number: 52-0001
Date: 10/10/2025
Drawn By: HR
Checked By: SG

EXTERIOR FINISH LEGEND

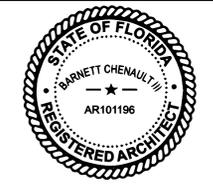
TAG	MATERIAL	INFORMATION
MTL-1		MANUFACTURER: KYNAR SERIES: 500 SERIES COLOR: BONE WHITE
MTL-2		MANUFACTURER: KYNAR SERIES: 500 COLOR: MIDNIGHT BRONZE
MTL-3		MANUFACTURER: KYNAR SERIES: 500 COLOR: REGAL RED
PT-2		MANUFACTURER: PPG SERIES: MATTHEWS COLOR: WHITE FINISH: SATIN
P-1		MANUFACTURER: MCNICHOLS SERIES: TALICA 8146 DESIGNER MESH WEAVE: TYPE 316, WOVEN - TWIN WIRE FLAT TOP WEAVE, 61% OPEN AREA



4
A702 SCALE: 1/2" = 1'-0"



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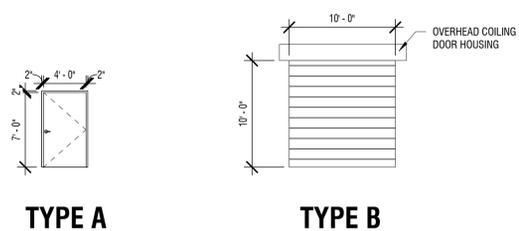
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DESIGN PHASE:
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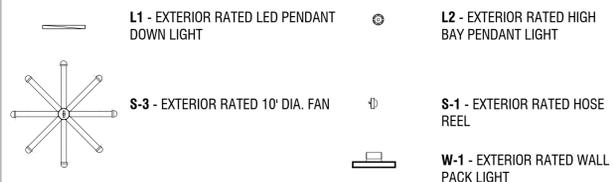
A702

DETAILS
Project Number: 52-0001
Date: 10/10/2025
Drawn By: HR
Checked By: SG

DOOR TYPE LEGEND



RCP LEGEND



SELECTIONS & FINISHES BASIS OF DESIGN

- EXTERIOR MATERIALS**
- MTL-1:** DESCRIPTION: STANDING SEAM METAL WALL PANEL
MANUFACTURER: MAPES CANOPIES
STYLE: KYNAR 500
COLOR: BONE WHITE
 - MTL-2:** DESCRIPTION: STANDING SEAM METAL ROOF PANEL / ACCENT
MANUFACTURER: MAPES CANOPIES
STYLE: KYNAR 500
COLOR: MIDNIGHT BRONZE
 - MTL-3:** DESCRIPTION: STANDING SEAM METAL FASCIA
MANUFACTURER: MAPES CANOPIES
STYLE: KYNAR 500
COLOR: REGAL RED
 - MTL-4:** DESCRIPTION: MANUFACTURED LETTERING
MANUFACTURER: FIREBIRD SIGN COMPANY
- PAINT**
- PT-1:** DESCRIPTION: DOOR FRAME PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 6258 TRICORN BLACK
FINISH: SEMIGLOSS
 - PT-2:** DESCRIPTION: NUMBER SIGNAGE PAINT
MANUFACTURER: PPG
SERIES: MATTHEWS
COLOR: WHITE
FINISH: SATIN
 - PT-3:** DESCRIPTION: DOOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 7056
FINISH: SEMI-GLOSS
 - PT-4:** DESCRIPTION: STRUCTURAL PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW 7069 IRON ORE
FINISH: SEMI-GLOSS
- WIRE MESH PANELS**
- P-1:** DESCRIPTION: EXTERIOR WIRE MESH
MANUFACTURER: MCNICHOLS
SERIES: TALICA 8146 STAINLESS STEEL, TYPE 316
WEAVE: TWIN WIRE FLAT TOP WEAVE, 61% OPEN AREA
FINISH: PRIME AND PAINT TO MATCH METAL MESH

HARDWARE SCHEDULE

- GROUP 1: EXTERIOR - SINGLE DOOR**
- 3EA - HINGES (SCHLAGE SQUARE CORNER MORTISE HINGE 4" X 4")
 - 1EA - THRESHOLD
 - 1EA - STOREROOM LOCKSET
 - 1EA - DEADBOLT (SINGLE CYLINDER)
 - 1EA - WEATHERSTRIPPING
 - 1EA - KICK PLATE

EXTERIOR FINISH LEGEND

TAG	MATERIAL	INFORMATION
MTL-1	[Image]	MANUFACTURER: KYNAR SERIES: 500 SERIES COLOR: BONE WHITE
MTL-2	[Image]	MANUFACTURER: KYNAR SERIES: 500 COLOR: MIDNIGHT BRONZE
MTL-3	[Image]	MANUFACTURER: KYNAR SERIES: 500 COLOR: REGAL RED
PT-2	[Image]	MANUFACTURER: PPG SERIES: MATTHEWS COLOR: WHITE FINISH: SATIN
P-1	[Image]	MANUFACTURER: MCNICHOLS SERIES: TALICA 8146 DESIGNER MESH WEAVE: TYPE 316, WOVEN - TWIN WIRE FLAT TOP WEAVE, 61% OPEN AREA

NOTE:
ALL ACCESSORIES, SCREWS, PLATES, ETC. ARE TO MATCH FINISH P-1

DOOR SCHEDULE

MARK	TYPE MARK	DOOR SIZE		DOOR MATERIAL	FRAME MATERIAL	H/J/S	HARDWARE GROUP	BASIS OF DESIGN		DOOR FINISH	COMMENTS
		WIDTH	HEIGHT					MANUFACTURER	MODEL		
101.1	B	10' - 0"	10' - 0"	GALVANIZED STEEL	PER MANUFACTURER	A501	PER MANUFACTURER	OVERHEAD DOORS	627	FACTORY PRIMED & PAINTED TO MATCH REGAL RED	PROVIDE MFG LOCK
101.46	A	4' - 0"	7' - 0"	HOLLOW METAL	HOLLOW METAL	A501	1	TRUDDOR	TBD	FACTORY PRIMED, FIELD PAINTED PT-3	

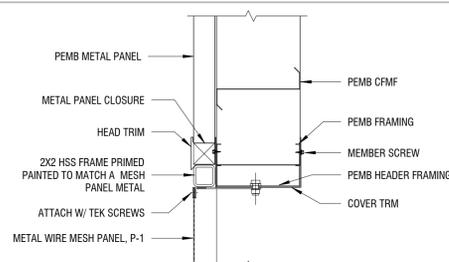
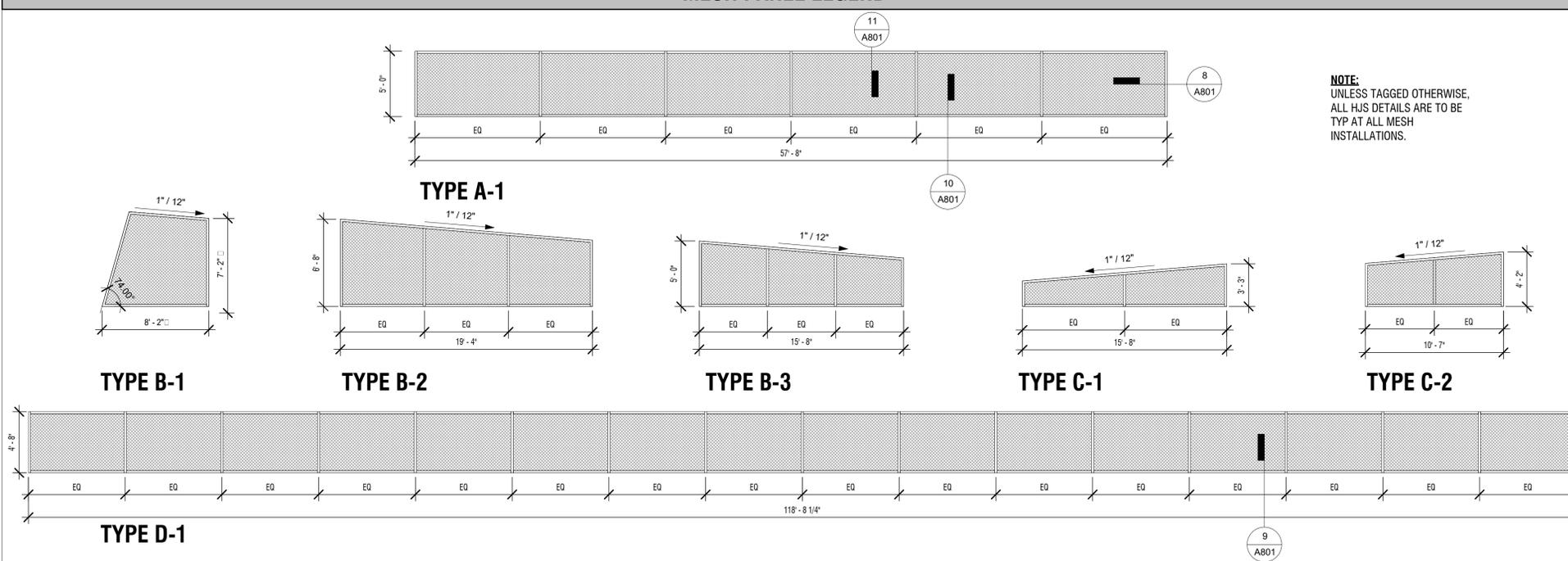
SPECIALTY EQUIPMENT SCHEDULE

COUNT	TYPE MARK	DESCRIPTION	BASIS OF DESIGN			COMMENTS
			MANUFACTURER	MODEL	FINISH	
14	B	5 1/2" DIA. POUR IN PLACE SAFETY BOLLARD	SETON	L8659LL3	BLACK ON YELLOW	SEE OCALA STANDARD DETAILS, SEE CIVIL
2	FEC	JL AMBASSADOR FIRE EXTINGUISHER CABINET	AMERA PRODUCTS	8113F10	STAINLESS STEEL	PAIRS WITH JL COSMIC 5E MULTI-PURPOSE ABC FIRE EXTINGUISHER
8	S-1	50" X 1/2" LOW PRESSURE HOSE REELS FOR AIR AND WATER	REELCRAFT	7850 OLP	N/A	PROVIDE UNSTRUT FRAMING FOR ATTACHEMENT TO PEMB, COORDINATE WITH PEMB MFG
20	S-2	5 1/2" DIA. SURFACE MOUNTED SAFETY BOLLARD	SETON	L8648JU7	BLACK ON YELLOW	
1	S-3	LARGE FAN	MODERN FORMS	SIZE MATTERS 84L	STEALTH BLACK	

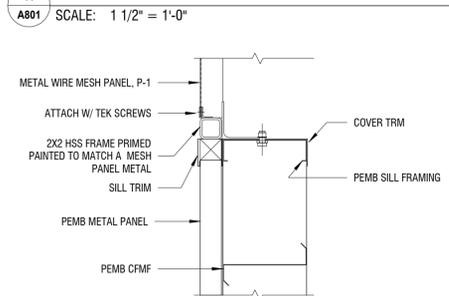
LIGHTING FIXTURE SCHEDULE

COUNT	TYPE	NAME / DESCRIPTION	BASIS OF DESIGN	
			MANUFACTURER	MODEL
8	L1	LED PENDANT DOWN LIGHT	DAY BRITE	FSJ SERIES
14	L2	HIGH BAY LIGHTING FIXTURE	TRULY GREEN SOLUTIONS	CHB-E SERIES
4	W1	WALL PACK LIGHT	H.E. WILLIAMS	WPAS-L-34/850

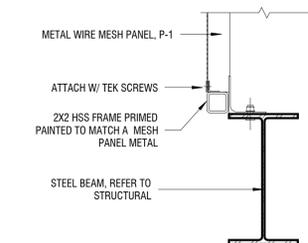
MESH PANEL LEGEND



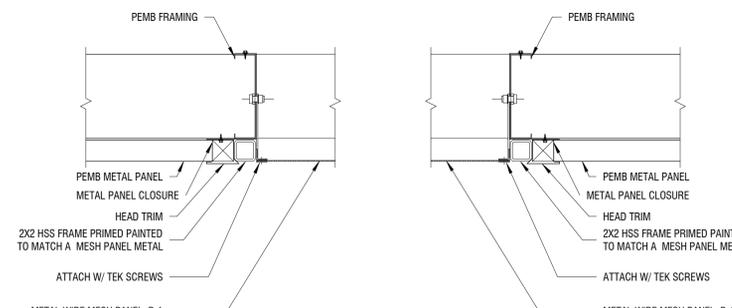
MESH PANEL - HEAD - TYP.



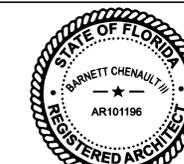
MESH PANEL - SILL - TYP. A



MESH PANEL - SILL - TYP. B



MESH PANEL - JAMB - TYP.



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REVISIONS

FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
PERMIT DOCUMENTS

A801

SCHEDULES/LEGENDS

Project Number: 52-0001
Date: 10/10/2025
Drawn By: HR
Checked By: SG

ELECTRICAL LEGEND:

LINE TYPES:

- SOLID LINE: NEW WORK
- DASHED LINE: EXISTING TO REMAIN
- DOTTED LINE: DEMOLITION

ELECTRICAL CONNECTIONS:

- E** EQUIPMENT / HARD WIRE CONNECTION: VERIFY LOCATION PRIOR TO ROUGH-IN AND PROVIDE ADDITIONAL DISCONNECT SWITCH AS REQUIRED. SUBSCRIPTS INDICATES AS FOLLOW:
 - BPI - BASE POWER IN
 - FF - FURNITURE FEED
- J** JUNCTION BOX
- DI** DUPLEX RCPT: MOUNT AT 18" AFF UNO. SUBSCRIPTS INDICATE AS FOLLOW:
 - GFI - PROVIDE GROUND FAULT INTERRUPTER DEVICES
 - USB - PROVIDE DEVICE W/ UNIVERSAL SERIAL BUS
 - TR - PROVIDE TAMPER-RESISTANT DEVICES
 - TV - MOUNT AT 60" AFF UNO. COORDINATE ELEVATION WITH OWNER / ARCH PRIOR TO ROUGH-IN
 - WP - PROVIDE WEATHER PROOF ENCLOSURE (SEE SPECS)
 - ## - PROVIDE RCPT AT ELEVATION AS INDICATED BY SUBSCRIPT. COORDINATE ELEVATIONS W/ OWNER/ARCH PRIOR TO ROUGH-IN
- I** ABOVE COUNTERTOP DUPLEX RCPT: MOUNT AT 42" AFF OR 8" ABOVE COUNTERTOP TO CLEAR BACKSPASH. COORDINATE W/ OWNER/ARCH PRIOR TO ROUGH-IN
- YA** SPECIAL NEMA RCPT: TYPE AS INDICATED BY SUBSCRIPT. COORDINATE NEMA TYPE REQUIRED W/ OWNER PROVIDED EQUIPMENT PRIOR TO PURCHASE/ROUGH-IN. CONDUCTORS SHALL BE SIZED FOR AMPERAGE OF DEVICED PROVIDED UNO
- Q** QUAD RCPT : MOUNT AT 18" AFF

ELECTRICAL DISTRIBUTION:

- BRANCH CIRCUIT PANELBOARD:** NAME, RATING, & DETAILS INDICATED BY SCHEDULE/SINGLE LINE DIAGRAM/KEY NOTES
- TRANSFORMER:** PHASING, RATING, VOLTAGE, & DETAILS INDICATED BY SINGLE LINE DIAGRAM/KEY NOTES/DETAILS
- L1.1.3** HOMERUN TO PANELBOARD: "L1" INDICATES THE PANELBOARD NUMBER. "1.3" INDICATES THE BRANCH CIRCUIT NUMBERS. HATCH MARKS DENOTE NUMBER OF CONDUCTORS EXCLUDING GROUND CONDUCTOR. NO HATCH MARKS DENOTES TWO #12 CONDUCTORS & ONE #12 GROUNDING CONDUCTOR. "NN" DENOTES NO NEUTRAL CONDUCTOR
- DISCONNECT SWITCH:** SEE EQUIPMENT SCHEDULE FOR SWITCH TYPE.
- METER:** EQUIPMENT TYPE BY UTILITY.
- TOGGLE SWITCH:** COORDINATE WITH EQUIPMENT SCHEDULE FOR SWITCH TYPE.

LIGHTING:

- LIGHTING FIXTURES:**
 - SHADED LIGHTING FIXTURES INDICATE FIXTURE SHALL BE SUPPLIED W/ BACKUP POWER OR EMERGENCY LIGHTING CKT. SEE LIGHTING FIXTURE SCHEDULE FOR BACKUP POWER TYPE
 - WHERE 2' x 2' FIXTURES SHOW DIRECTION OF DIFFUSER, AS DEPICTED WITH A CENTER LINE, THEIR INSTALLATION SHALL BE PARALLEL IN SAME VISUAL AREA IN THE DIRECTION SHOWN.
 - UPPER CASE SUBSCRIPT INDICATES FIXTURE TYPE IN ACCORDANCE W/ LIGHTING FIXTURE SCHEDULE. LOWER CASE LETTER INDICATES LIGHTING ZONE FOR LIGHTING CONTROLS (SEE LIGHTING CONTROL PROGRAMMING DETAIL)
- EMERGENCY LIGHTING UNIT**
- LIGHTING CONTROL DEVICE:** MOUNT AT 47 1/2" AFF UNO. SUBSCRIPT INDICATES AS FOLLOW:
 - X - SEE LIGHTING CONTROL PROGRAMMING DETAIL ON SHEET WITH THE ELECTRICAL DETAILS
 - T - PROVIDE LINE VOLTAGE SINGLE POLE TOGGLE SWITCH
 - T3 - PROVIDE LINE VOLTAGE THREE-WAY TOGGLE SWITCH
 - T4 - PROVIDE LINE VOLTAGE FOUR-WAY TOGGLE SWITCH
 - D - ANY LINE VOLTAGE SWITCHES FOLLOW BY SUBSCRIPT 'D' INDICATES TO PROVIDE DIMMABLE SWITCH
 - WP - PROVIDE WEATHER PROOF ENCLOSURE (SEE SPECS)
- CEILING-MOUNTED OCCUPANCY SENSOR WITH BOTH PASSIVE INFRARED (PIR) DETECTION & ULTRASONIC SOUND DETECTION (MICROPHONICS):** IF LOCATED IN SPACES WITH LINE VOLTAGE LIGHT SWITCHES, LINE VOLTAGE LIGHT SWITCH SHALL BE ON THE LOAD SIDE OF THE OCCUPANCY SENSORS; ALL LIGHTING SHALL BE SHUT OFF IN THE EVENT OF OCCUPANCY NOT BEING DETECTED.
- TIME CLOCK**

ONE-LINE DIAGRAM:

- BUS BAR**
- LEVEL**
- SYSTEM GROUND (AS PER NEC)**
- AUTOMATIC TRANSFER SWITCH**
- CIRCUIT BREAKER:** "200A/3PH" INDICATES AMPERAGE & PHASING.
- ENCLOSED CIRCUIT BREAKER:** "200A/3PH" INDICATES AMPERAGE & PHASING.
- EZ METER**
- METER**
- PANELBOARD:** TEXTS INDICATES AS FOLLOW:
 - "PNL" INDICATES PANELBOARD NAME
 - "200A MLO" INDICATES AMPACITY AND PNL TYPE
 - "120/208V" INDICATES SYSTEM VOLTAGE
 - "3PH-4W" INDICATES NO. OF PHASES AND WIRES
 - "ELEC. ROOM 177" INDICATES PNL LOCATION
- TRANSFORMER**
- DISCONNECT SWITCH:** SEE EQUIPMENT SCHEDULE FOR SWITCH TYPE.
- FUSE:** "200A/3PH" INDICATES AMPERAGE & PHASING
- FUSE DISCONNECT:** "200A/3PH" INDICATES AMPERAGE & PHASING

ABBREVIATIONS:

1PH SINGLE-PHASE	FCU FAN COIL UNIT	OFCI OWNER FURNISHED CONTRACTOR INSTALLED
3PH THREE-PHASE	FLA FULL LOAD AMPS	OS OCCUPANCY SENSOR POLE
4W FOUR-WIRE	FLR FLEXIBLE METAL CONDUIT	P PULLBOX, PUSH BUTTON
A/E ARCHITECT/ENGINEER	FP FIRE PROTECTION	PC PHOTOELECTRIC CELL
A AMPS	FSS FIRED SAFETY SWITCH	PEDE PEDESTAL
AAP ALARM ANNUNCIATOR PANEL	FT FEET OR FOOT	PEN PENDANT
AC ALTERNATING CURRENT	FVR FULL VOLTAGE REVERSING	PF POWER FACTOR
ADJ ADJACENT	FVNR FULL VOLTAGE NON-REVERSING	PH PHASE
AF AMP FRAME	FIXT FIXTURE	PNL PANELBOARD/PANEL
AFC ABOVE FINISHED COUNTER, AVAILABLE FAULT CURRENT	G ELECTRICAL GROUND	PRI PRIMARY
AFCI ARC-FAULT CURRENT INTERRUPTER	GB GROUND BUS BAR	POE POWER OVER ETHERNET
AFI ABOVE FINISHED FLOOR	GEN GENERATOR	POS POINT OF SALE
AFG ABOVE FINISHED GRADE	GFCI GROUND FAULT CIRCUIT INTERRUPTER	PT POTENTIAL TRANSFORMER
AHJ AUTHORITY HAVING JURISDICTION	GFI GROUND FAULT INTERRUPTER	PVC POLYVINYL CHLORIDE
AHU AIR HANDLING UNIT	GRD EARTH GROUND	PWR POWER
AIC AMP INTERRUPTING CAPACITY	HOA HAND-OFF-AUTOMATIC SWITCH	R RADIUS
AICS AMPS INTERRUPTING CAPACITY SYMMETRICAL	HP HORSEPOWER	RC ROOM CONTROLLER
ALT ALTERNATE	HR HOUR	RCF REFLECTED CEILING PLAN
ARCH ARCHITECT	HT HEIGHT	RCP RECEPTACLE
AT AMP TRIP	HVAC HEATING, VENTILATION, AND AIR CONDITIONING	RE EXISTING TO BE RELOCATED
ATS AUTOMATIC TRANSFER SWITCH	HZ HERTZ	REC RECESSED
AV AUDIO VISUAL	IC INSULATION CONTACT INSTIUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS	REQD REQUIRED
AWG AMERICAN WIRE GAUGE	IMC INTERMEDIATE METAL CONDUIT	REQX REQUEST TO EXIT MOTION
BFF BELOW FINISHED FLOOR	IN INCHES	RGS RIGID GALVANIZED STEEL RATE-LOAD AMPS
BKR BREAKER	IR INFRARED	RM ROOM
BLDG BUILDING	IWH INSTANTANEOUS WATER HEATER	RMS ROOT MEAN SQUARE
BPI BASE POWER IN (FOR MODULAR FURNITURE)	JB JUNCTION BOX	RNC RIGID NON-METALLIC CONDUIT
BYP BY PASS	KV KILOVOLT	RPM REVOLUTIONS PER MINUTE
CAB CABINET	KVA KILO-VOLT AMPS	RTU ROOF TOP UNIT
CAT CATALOG	KW KILOWATTS	RV EXISTING TO BE REMOVED
CB CIRCUIT BREAKER	KWH KILOWATT HOUR	RVSS REDUCED VOLTAGE SWITCH STARTER
CCC CURRENT CARRYING CAPACITY	LCP LIGHTING CONTROL PANEL	SS SAFETY SWITCH, STAINLESS STEEL
CCT CORRELATED COLOR TEMPERATURE	LED LIGHT EMITTING DIODE	SCCR SHORT CIRCUIT CURRENT
cd CANDELA	LFMC LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT	SD SMOKE DETECTOR
CD CONSTRUCTION DOCUMENTS	LP LIGHT POLE	SEC SECONDARY
CF CONTRACTOR FURNISHED	LT LIGHT	SF SQUARE FOOT (FEET)
CFI CONTRACTOR FURNISHED/OWNER INSTALLED	LTG LIGHTING	SHT SHEET
CKT CIRCUIT	LVG LEAVING	SLC SIGNALING LINE CIRCUIT
CLF CURRENT LIMITING FUSE	MAX MAXIMUM	SPD SURGE PROTECTIVE DEVICE
CLG FINISHED CEILING	MBJ MAIN BONDING JUMPER	SPEC SPECIFICATIONS
COAX COAX CABLE	MC METAL CLAD	SPST SINGLE POLE, SINGLE THROW
COMM COMMUNICATION	MCA MIN CIRCUIT AMPACITY	SQ FT SQUARE FEET
CONT CONTINUE	MCB MAIN CIRCUIT BREAKER	SURF SURFACE
COORD COORDINATE	MCC MOTOR CONTROL CENTER	SW SWITCH
CR CARD READER	MD MOTORIZED DAMPER	SWBD SWITCHBOARD
CRI COLOR RENDERING INDEX	MDP MAIN DISTRIBUTION PANEL	SWGR SWITCHGEAR
CT CURRENT TRANSFORMER	MECH MECHANICAL	TCC TIME CURRENT CURVE
CU COPPER	MH MANHOLE	TCP TRANSMISSION CONTROL PROTOCOL
dB DECIBEL	MIN MINIMUM	TEL TELEPHONE
DC DIRECT CURRENT	MISC MISCELLANEOUS	TEMP TEMPERATURE
DEMO DEMOLITION	MLO MAIN LUGS ONLY	TGB TELECOMMUNICATION GROUNDING BUS BAR
DIA DIAMETER	MOCOP MAXIMUM OVERCURRENT PROTECTION	TMGB TELECOMMUNICATION MAIN GROUNDING BUS BAR
DISC DISCONNECT	MT MOUNT	TR TELECOM ROOM
DPDT DOUBLE POLE, DOUBLE THROW	MTD MOUNTED	TS TOGGLE SWITCH
DPST DOUBLE POLE, SINGLE THROW	MTS MANUAL TRANSFER SWITCH	TV TRANSIENT VOLTAGE SURGE SUPPRESSOR
DS DISCONNECT SWITCH	MV MEDIUM VOLTAGE	TYP TYPICAL
DWG DRAWING	MW MICROWAVE	UG UNDERGROUND
EA EACH	N1 NEMA 1	UL UNDERWRITERS LABORATORIES
EER ENERGY EFFICIENCY RATIO	N3R NEMA 3R	UNO UNLESS NOTED OTHERWISE
EF EXHAUST FAN	N4X NEMA 4X STAINLESS STEEL	UTIL UTILITY
ELEC ELECTRIC/ELECTRICAL	NA NOT APPLICABLE	UTP UNSHIELDED TWISTED PAIR
ELEV ELEVATOR	NAC NOTIFICATION APPLIANCE	UPS UNINTERRUPTIBLE POWER SUPPLY
EM EMERGENCY	NC NORMALLY CLOSED	V VOLTS
EMGB ELEC MAIN GROUNDING BUS BAR	NCM NURSE CALL MASTER STATION	VA VOLTS-AMPERES
EMT ELEC METALLIC TUBING	NEC NATIONAL ELECTRICAL CODE	VAC VOLTS ALTERNATING CURRENT
ENCL ENCLOSURE	NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	VAR VARIABLE
ENT ENTERING	NEU NEUTRAL	VFD VARIABLE FREQUENCY DRIVE
EPO EMERGENCY POWER OFF	NFPA NATIONAL FIRE PROTECTION ASSOCIATION	VOLT VOLTAGE
EWC ELEC WATER COOLER	NIC NOT IN CONTRACT	W WATTS; WIRE
EWH ELECTRIC WATER HEATER	NL NIGHT LIGHT	W/ WITH
EX EXISTING TO REMAIN	NO NORMALLY OPEN	W/O WITHOUT
EXH EXHAUST	NP NOT TO SCALE	WAO WORK AREA OUTLET
EXIST EXISTING	NTS NOT TO SCALE	WAP WIRELESS ACCESS POINT
F FUSE	OC ON CENTER	WP WEATHERPROOF
FA, F/A FIRE ALARM	OCFD OVERCURRENT PROTECTION DEVICE	XFMR TRANSFORMER
FAA FA ANNUNCIATOR PANEL		XP EXPLOSION PROOF
FACP FA CONTROL PANEL		
FC FOOTCANDLE		

GENERAL NOTES:

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE AND WORKING ELECTRICAL SYSTEM AS INDICATED WITHIN THESE DRAWINGS.
- REQUESTS FOR SUBSTITUTION - WHERE A PARTICULAR SYSTEM, PRODUCT OR MATERIAL IS SPECIFIED BY NAME, CONSIDER IT AS STANDARD BASIS FOR BIDDING, AND BASE PROPOSAL ON THE PARTICULAR SYSTEM, PRODUCT OR MATERIAL SPECIFIED. OTHER SYSTEMS, PRODUCTS, EQUIPMENT OR MATERIALS MAY BE ACCEPTED ONLY IF IN THE OPINION OF THE ENGINEER, THEY ARE EQUIVALENT IN QUALITY AND WORKMANSHIP AND WILL PERFORM SATISFACTORILY ITS INTENDED PURPOSE. ALL SUCH SUBSTITUTIONS IN MATERIALS OR EQUIPMENT SHALL BE APPROVED IN WRITING BY THE ENGINEER. IN MAKING REQUESTS FOR SUBSTITUTIONS, THE CONTRACTOR SHALL LIST THE PARTICULAR SYSTEM, PRODUCT, EQUIPMENT OR MATERIAL. CONTRACTOR WISHES TO SUBSTITUTE AND AT BID TIME THE CONTRACTOR SHALL STATE THE AMOUNT BEING ADDED OR DEDUCTED FROM THE BASE BID IF THE SUBSTITUTION IS APPROVED BY THE ENGINEER. IF NO DEDUCTION OR ADDITION TO THE BASE BID IS ALLOWED BY THE CONTRACTOR FOR SUCH SUBSTITUTION, IT SHALL BE SO STATED ON THE REQUEST. IF THE APPROVED SUBSTITUTION CONTAINS DIFFERENCES OR OMISSIONS NOT SPECIFICALLY CALLED TO THE ATTENTION OF THE ENGINEER, THE OWNER RESERVES THE RIGHT TO REQUIRE EQUAL OR SIMILAR FEATURES TO BE ADDED TO THE SUBSTITUTED PRODUCTS AT THE CONTRACTOR'S EXPENSE.
- ALL JUNCTION BOX COVERS SHALL BE MARKED USING A PRINTED LABEL OF 3/4" MINIMUM HEIGHT AND LOCATE LABEL SO IT CAN BE READILY IDENTIFIED WITHOUT REMOVAL OF THE COVER PLATE. LABEL PANEL NUMBER AND CIRCUIT FOR BRANCH CIRCUITS; LABEL FEEDING PANEL AND LOAD PANEL FOR FEEDER CIRCUITS.
- INSTALL OUTLETS FOR EQUIPMENT AS REQUIRED BY THE PARTICULAR ITEM. CONTRACTOR SHALL VERIFY THAT THE PLUG PROVIDED WITH THE EQUIPMENT IS COMPATIBLE WITH THE RECEPTACLE INSTALLED.
- VOLTAGE DROP NOTE: IT IS THE CONTRACTORS RESPONSIBILITY TO UPSIZE CONDUCTORS AS REQUIRED FOR VOLTAGE DROP. CONDUCTOR SIZE LIMITATION FOR A 20A CIRCUIT ARE AS FOLLOWS:
 - A. #12 SHALL NOT EXCEED 65'; IF SO, UPSIZE WIRE TO #10
 - B. #10 SHALL NOT EXCEED 100'; IF SO, UPSIZE WIRE TO #8
 - C. #8 SHALL NOT EXCEED 160'; IF SO, UPSIZE WIRE TO #6
 - D. #6 SHALL NOT EXCEED 250'; IF SO, UPSIZE WIRE TO #4
- CONTRACTOR SHALL PROVIDE ARCH-FLASH HAZARD WARNING LABEL PER NEC 110.16 FOR ALL NEW SWITCHBOARDS, SWITCHGEAR, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS.

PROGRAMMING NOTES

1	100% OUTPUT MANUAL ON/OFF
2	50% OUTPUT AUTO ON
3	100% OUTPUT AUTO ON
4	100% OUTPUT AUTO-OFF 20 MINUTE TIME DELAY
5	MANUAL DIMMING
6	AUTO DIMMING
7	TIME SWITCH CONTROL
8	PHOTOCELL

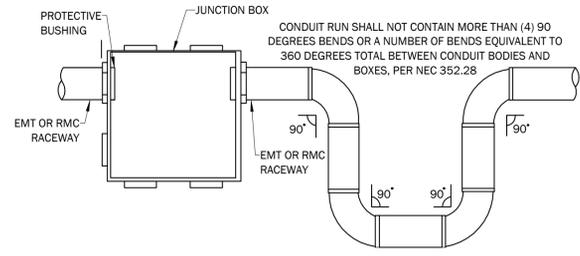
ZONE CONTROLLED & DESIGNATION

BAYS	1 7
STORAGE	1 3 4
EXTERIOR LTG	8

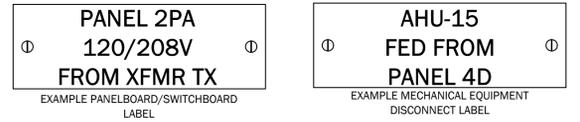
LIGHTING CONTROL PROGRAMMING
NOT TO SCALE

LINE VOLTAGE SINGLE POLE TOGGLE WALL SWITCH, LEGRAND COMMERCIAL SPECIFICATION GRADE OR APPROVED EQUAL.

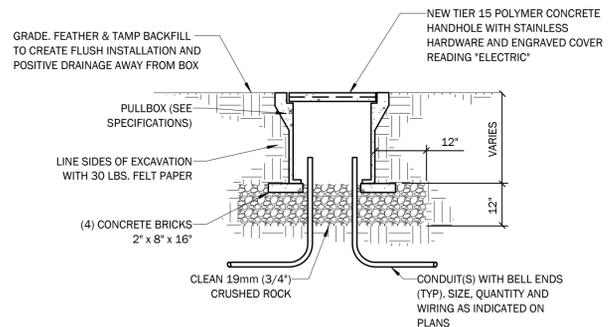
LINE VOLTAGE SINGLE POLE PADDLE WALL SWITCH, LEGRAND COMMERCIAL SPECIFICATION GRADE OR APPROVED EQUAL.



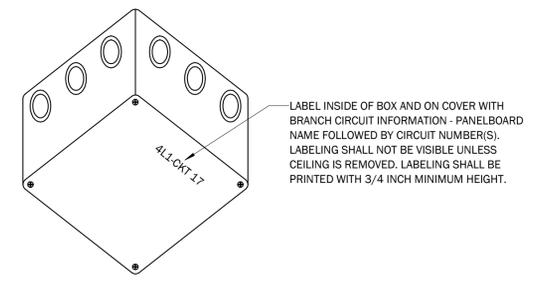
1 CONDUIT RUN DETAIL
NOT TO SCALE



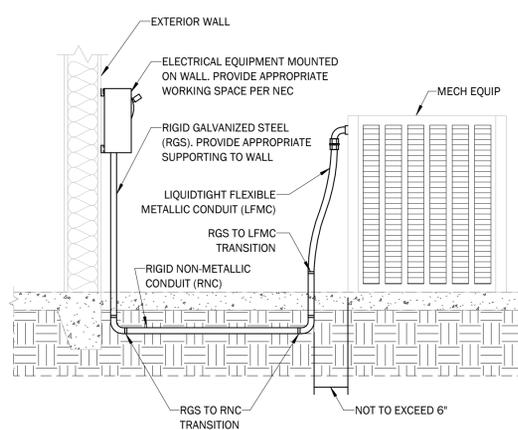
4 TYPICAL EQUIPMENT LABEL DETAIL
NOT TO SCALE



5 HANDHOLE DETAIL
NOT TO SCALE



2 JUNCTION BOX DETAIL
NOT TO SCALE



6 EXTERIOR AC/HP CONNECTION DETAIL
NOT TO SCALE



PROJECT: 25032
CONSTRUCTION DOCUMENTS



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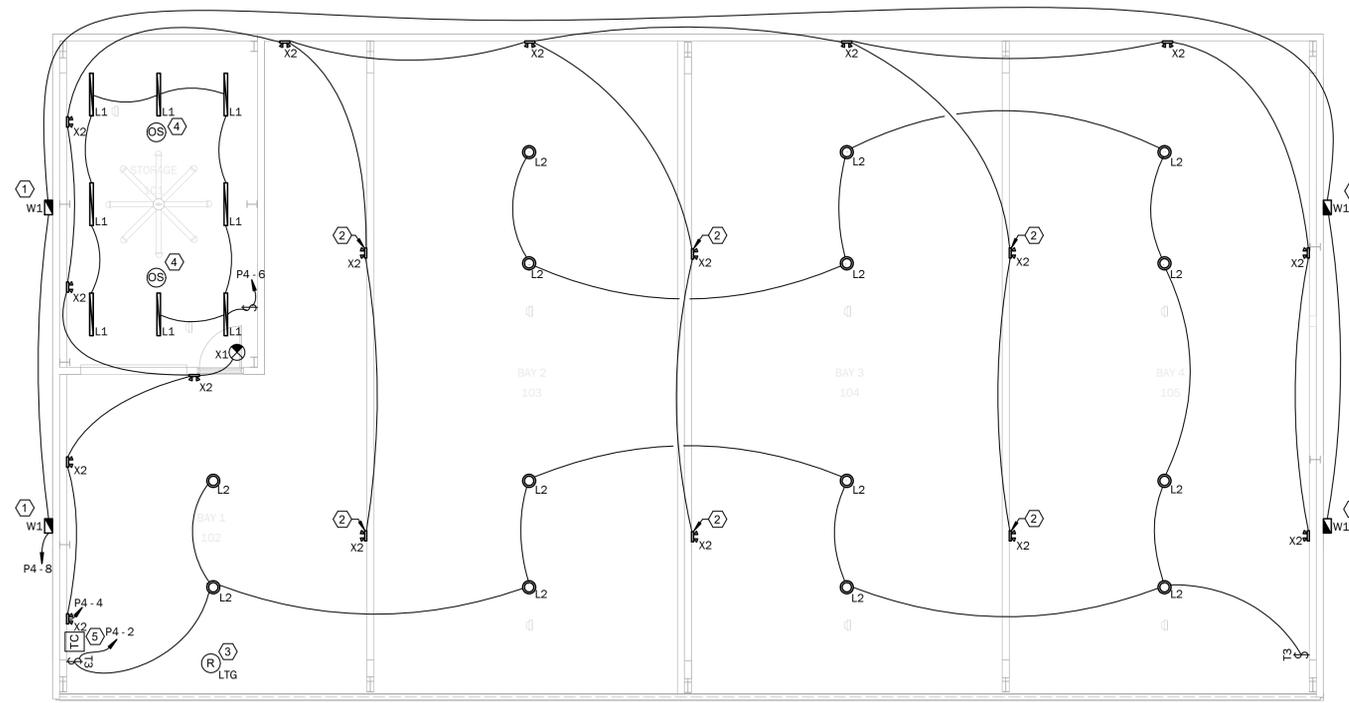
FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
CONSTRUCTION DOCUMENTS

E001
ELECTRICAL LEGEND, ABBREVIATIONS, NOTES, & DETAILS

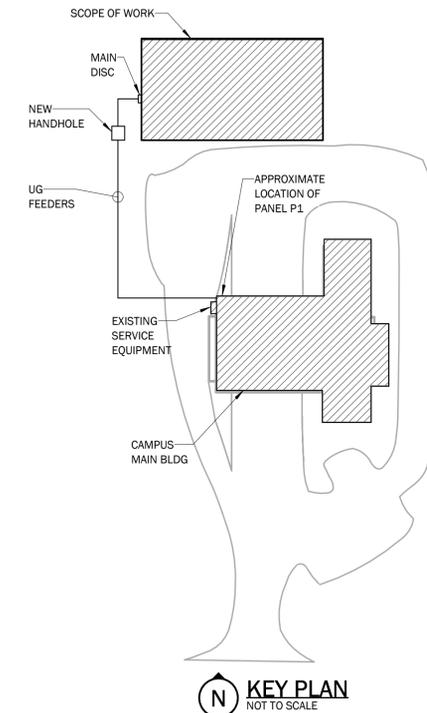
Project Number: 25032
Date: 10/07/2025
Drawn By: LKM
Checked By: KMS



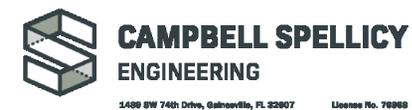
ELECTRICAL CEILING PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

SHEET NOTES:

- ① PROVIDE EXTERIOR WALLPACK FIXTURE WITH INTEGRAL PHOTOCELL OPTION.
- ② MOUNT EMERGENCY LIGHTING AT THE BOTTOM OF BEAM OF THE ROOF STRUCTURE. DIRECT EMERGENCY LTG FIXTURE HEADS TOWARDS FINISHED FLOOR.
- ③ PROVIDE LIGHTING RELAY TO CONTROL ALL HIGH BAY LIGHTING FIXTURES WITHIN THE BAYS AREA VIA 3-WAY LINE VOLTAGE SWITCHES INDICATED ON PLANS.
- ④ PROVIDE LINE VOLTAGE OCCUPANCY SENSOR DEVICE.
- ⑤ PROVIDE 24HR INDOOR RATED 120V INTERMATIC T100 SERIES MECHANICAL TIME CLOCK S OR APPROVED EQUAL. ENSURE THE TIME CLOCK CONTROLS ALL LIGHTING IN THE BAY AREAS. CONTROLS SHALL BE CONNECTED IN SERIES WITH LINE VOLTAGE WALL SWITCHES SERVING THE SPACE. CONTRACTOR SHALL MAKE SURE TIME CLOCK COMPLIES WITH FLORIDA ENERGY CONSERVATION REQUIREMENTS.



KEY PLAN
NOT TO SCALE



PROJECT: 25032
CONSTRUCTION DOCUMENTS



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FIRE STATION 07 APPARATUS STORAGE

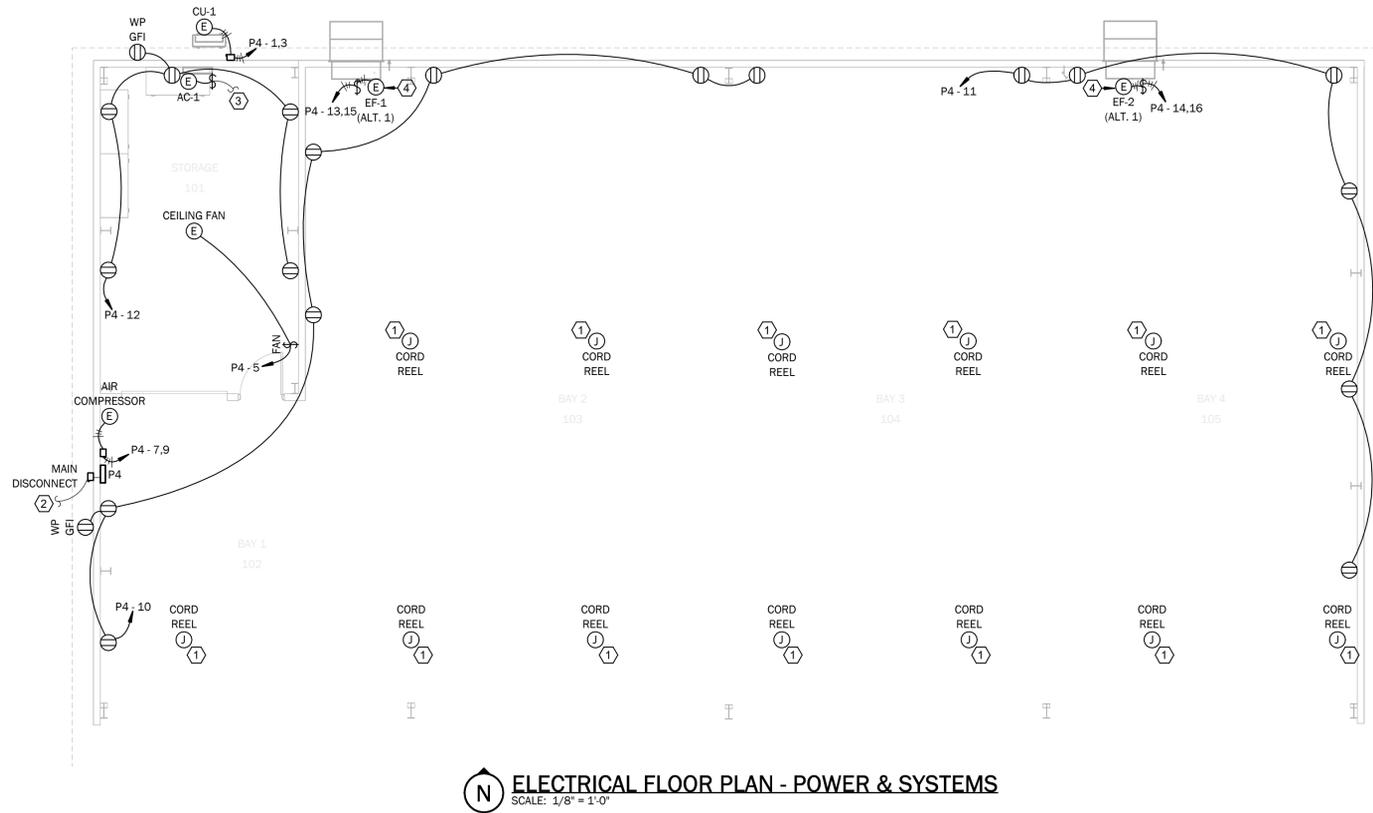
CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
CONSTRUCTION DOCUMENTS

E201
ELECTRICAL CEILING PLAN - LIGHTING

Project Number: 25032
Date: 10/07/2025
Drawn By: LKM
Checked By: KMS

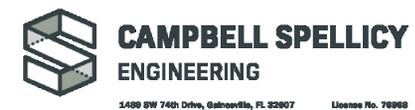
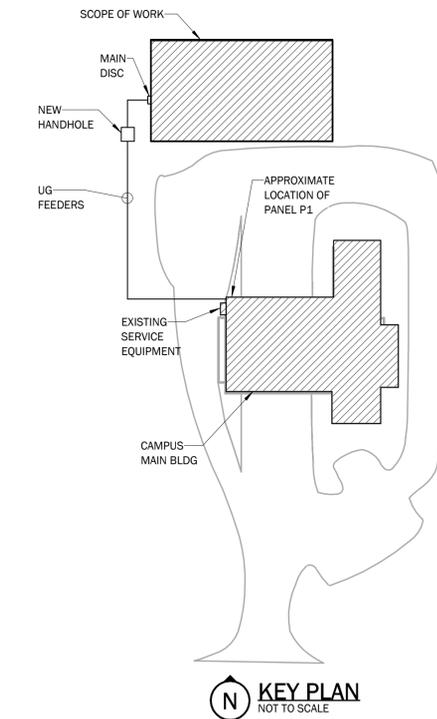
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ELECTRICAL FLOOR PLAN - POWER & SYSTEMS
SCALE: 1/8" = 1'-0"

SHEET NOTES:

- ① CORD REEL RCPPT TO BE PENDANT MOUNTED FROM CEILING STRUCTURE. PROVIDE MOUNTING HARDWARE AND ADDITIONAL SUPPORT AS REQUIRED. COORDINATE ELEVATION WITH ARCH/OWNER PRIOR TO INSTALL.
- ② CONTRACTOR SHALL FEED NEW BLDG STRUCTURE MAIN ELECTRICAL DISCONNECT AND PANEL P4 FROM EXISTING BRANCH PANEL P1 LOCATED INSIDE THE APPARATUS BAY OF THE ADJACENT MAIN BLDG. SEE SINGLE LINE DIAGRAM FOR DETAILS.
- ③ SUPPLY POWER TO NEW HVAC INDOOR EQUIPMENT FROM CORRESPONDING OUTDOOR UNIT. CONTRACTOR SHALL INSTALL HVAC EQUIPMENT PER MANUFACTURER INSTRUCTIONS.
- ④ **BASE BID:** NO EXHAUST FAN EQUIPMENT. **ALTERNATE NO.1:** SUPPLY POWER TO NEW EF'S FROM INDICATED CKT ON PLANS. FIELD COORDINATE FINAL LOCATION AND ELEVATION OF EF'S EQUIPMENT PRIOR TO ROUGH-IN. PROVIDE NEW 120V TOGGLE SWITCH DISCONNECT ADJACENT TO EQUIPMENT. SEE EQUIPMENT SCHEDULE ON SHEET E301 FOR DETAILS.



PROJECT: 25032
CONSTRUCTION DOCUMENTS



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REVISIONS

FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
CONSTRUCTION DOCUMENTS

E202
ELECTRICAL FLOOR PLAN - POWER AND SYSTEMS

Project Number: 25032
Date: 10/07/2025
Drawn By: LKM
Checked By: KMS

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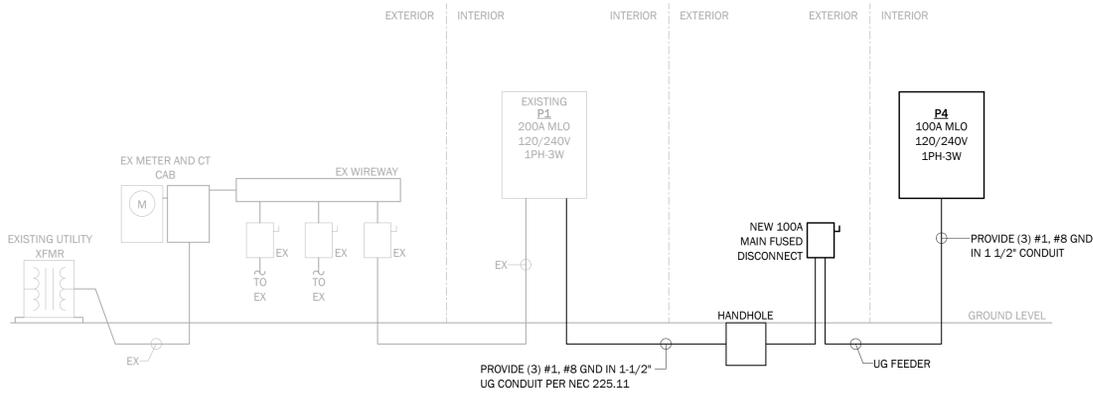
P4				100 A MLO				SCR: 10kAIC				NEW PANEL			
120/240 Single, 1PH-3W		CKT BKR		PHASE LOAD AMP				CKT BKR		MOUNTING: SURFACE ENCLOSURE: NEMA 1					
CKT	LOAD	P	TRIP	A		B		TRIP	P	LOAD				CKT	
1	CU-1	2	15 A	7.3	14	7.3	0.9	20 A	1	LTG BAY 102-105				2	
3								20 A	1	EM LTG				4	
5	CEILING FAN	1	20 A	1.5	2.7			20 A	1	LTG STORAGE 101				6	
7	AIR COMPRESSOR	2	35 A			28	3.6	20 A	1	EXTERIOR LTG				8	
9								20 A	1	RCPTS BAY 1 102, BAY 2 103				10	
11	RCPTS BAY 4 105	1	20 A			9	9	20 A	1	RCPTS STORAGE 101				12	
13															
15	EF-1 (1)	2	15 A	10	10			15 A	2	EF-2 (1)				14	
17	SPARE	1	20 A	0	0			20 A	1	SPARE				18	
19	SPARE	1	20 A			0	0	20 A	1	SPARE				20	
21	SPACE	1	-	-	-	-	-	-	1	SPACE				22	
23	SPACE	1	-	-	-	-	-	-	1	SPACE				24	
25	SPACE	1	-	-	-	-	-	-	1	SPACE				26	
27	SPACE	1	-	-	-	-	-	-	1	SPACE				28	
29	SPACE	1	-	-	-	-	-	-	1	SPACE				30	
		AMPS:		85 A		78 A									
		CONNECTED LOAD:		10258 VA		9329 VA									

NOTES:
(1) ALTERNATE NO.1: PROVIDE NEW 15A CB TO SUPPLY NEW HVAC EQUIPMENT.

P1				200 A MLO				SCR: 10kAIC				EXISTING PANEL			
120/240 Single, 1PH-3W		CKT BKR		PHASE LOAD AMP				CKT BKR		MOUNTING: SURFACE ENCLOSURE: NEMA 1					
CKT	LOAD	P	TRIP	A		B		TRIP	P	LOAD				CKT	
1	EX VEHICLE EXHAUST CONTROL PNL	1	20 A	1.6	7.5			20 A	1	EX RCPTS STORAGE 116E, F				2	
3	EX UH1, UH2	1	20 A			9.3	7.5	20 A	1	EX RCPTS APPARATUS BAY (SOUTH)				4	
5	EX EXTERIOR RCPTS	1	20 A	7.5	3			20 A	1	EX RCPTS STORAGE 116A, B				6	
7	EX SPARE	1	20 A			0	7.5	20 A	1	EX RCPTS APPARATUS BAY (NORTH)				8	
9	EX SPARE	1	20 A	0	0			20 A	1	EX SPARE				10	
11	EX FIRE BELL	1	20 A			1.5	1.5	20 A	1	EX EM LTG APPARATUS BAY				12	
13	EX AIR COMPRESSOR	1	20 A	15	85.5			100 A	2	PANEL P4				14	
15	EX SPARE	1	20 A			0	77.7							16	
17	EX SPARE	1	20 A	0	0			20 A	1	EX SPARE				18	
19						12	0	20 A	1	EX SPARE				20	
21	EX EXTRACTOR	2	15 A	12	13.8			20 A	1	EX APPARATUS BAY DOOR (NORTH)				22	
23						0	13.8	20 A	1	EX APPARATUS BAY DOOR (NORTH)				24	
25	EX SPARE	2	30 A	0	13.8			20 A	1	EX APPARATUS BAY DOOR (NORTH)				26	
27						24	24							28	
29	EX VEHICLE EXHAUST BLOWER	2	30 A	24	24			30 A	2	EX SURGE PROTECTION DEVICE				30	
		AMPS:		208 A		179 A		(1)							
		CONNECTED LOAD:		24922 VA		21461 VA		(1)							

NOTES:
(1) THE INDICATED EXISTING CONNECTED LOAD WAS OBTAINED FROM THE MAIN CAMPUS BUILDING AS-BUILTS DATED 2017. THE EXISTING FACILITY LOAD CALCULATIONS ON THIS PANEL INDICATE SUFFICIENT PANEL CAPACITY FOR AN ADDITIONAL OF 100A LOAD RESULTING FROM THE ADDITION OF NEW BRANCH PANEL P4 AND ITS CORRESPONDING BRANCH CKTS AS PART OF THE PROJECT'S NEW WORK SCOPE.

EQUIPMENT SCHEDULE										
DESIGNATION	VOLTAGE	PHASE	MCA	MOCP	WIRE QTY	WIRE SIZE	GROUND SIZE	CONDUIT SIZE	DISCONNECT	
AIR COMPRESSOR	240	1	28	35	3	#10	#10	1/2"	35/60/2 N1 FSS	
CEILING FAN	120	1	1	20	2	#12	#12	1/2"	120V 20A TS	
CU-1/AC-1	240	1	10	15	3	#12	#12	1/2"	15/30/2 N3R FSS	
EF-1 (ALT. 1)	240	1	10	15	3	#12	#12	1/2"	120V 20A TS	
EF-2 (ALT. 1)	240	1	10	15	3	#12	#12	1/2"	120V 20A TS	



LIGHTING FIXTURE SCHEDULE								
TYPE	FIXTURE	CCT (K)	LUMENS	DESCRIPTION	VOLTAGE	MOUNTING	MANUFACTURER	REMARKS
L1	4' LINEAR	4000	5500	LED FIXTURE; FIXTURE FINISH SHALL BE COORDINATED WITH ARCHITECT; MOUNTING HARDWARE SHALL BE PROVIDED AS NECESSARY TO ACCOMMODATE CEILING TYPE SPECIFIED.	UNIV 120/277	SURFACE	DAY-BRITE FSI SERIES	FOR MANUFACTURERS NOT LISTED, COMPLY WITH "REQUEST FOR SUBSTITUTION" SECTION ON SHEET E001.
L2	CIRCULAR HIGHBAY	4000	16800	LED FIXTURE; FIXTURE FINISH SHALL BE COORDINATED WITH ARCHITECT; MOUNTING HARDWARE SHALL BE PROVIDED AS NECESSARY TO ACCOMMODATE CEILING TYPE SPECIFIED.	UNIV 120/277	SUSPENDED	TRULY GREEN SOLUTIONS CHB-E SERIES	FOR MANUFACTURERS NOT LISTED, COMPLY WITH "REQUEST FOR SUBSTITUTION" SECTION ON SHEET E001.
W1	EXTERIOR WALL PACK	5000	3400	SQUARE LED FIXTURE. HOUSING SHALL BE DIE-CAST HINGED AND GASKETED ALUMINUM ENCLOSURE WITH NICKLE-PLATED STAINLESS STEEL HARDWARE. FIXTURE FINISH SHALL BE COORDINATED WITH ARCHITECT. UL LISTED FOR WET LOCATIONS. FIXTURE DISTRIBUTION SHALL BE FORWARD DISTRIBUTION. PROVIDE REMOTE EMERGENCY BATTERY AS INDICATED ON DRAWINGS. PROVIDE SIDE CUTOFF SHIELD. PROVIDE INTEGRAL PHOTOCCELL.	UNIV 120/277	WALL MOUNT	HE WILLIAMS WPAS SERIES	FOR MANUFACTURERS NOT LISTED, COMPLY WITH "REQUEST FOR SUBSTITUTION" SECTION ON SHEET E001.
X1	EXIT SIGN	N/A	N/A	LED FIXTURE. HOUSING SHALL BE ALUMINUM WITH EDGE-LIT FACEPLATE. FIXTURE FINISH SHALL BE COORDINATED WITH ARCHITECT. MOUNTING HARDWARE SHALL BE PROVIDED AS NECESSARY TO ACCOMMODATE CEILING TYPE SPECIFIED. PROVIDE INTEGRAL 90 MIN EMERGENCY BATTERY AS INDICATED ON DRAWINGS. COORDINATE DIRECTIONAL ARROWS AND # OF FACES WITH DRAWINGS.	UNIV 120/277	SURFACE	BEGHELLI BRUNO SERIES	FOR MANUFACTURERS NOT LISTED, COMPLY WITH "REQUEST FOR SUBSTITUTION" SECTION ON SHEET E001.
X2	EMERGENCY LIGHT FIXTURE	N/A	1300	LED FIXTURE. FIXTURE SHALL HAVE 2 WATT LED HEADS. FIXTURE FINISH SHALL BE COORDINATED WITH ARCHITECT. MOUNTING HARDWARE SHALL BE PROVIDED AS NECESSARY TO ACCOMMODATE USAGE. PROVIDE INTEGRAL 90 MIN EMERGENCY BATTERY BACKUP. FIXTURE HEAD SHALL BE FULLY ADJUSTABLE.	UNIV 120/277	SURFACE	BEGHELLI BBX SERIES	FOR MANUFACTURERS NOT LISTED, COMPLY WITH "REQUEST FOR SUBSTITUTION" SECTION ON SHEET E001.



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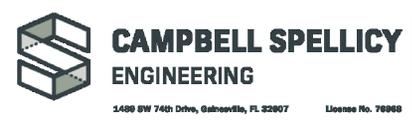
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FIRE STATION 07 APPARATUS STORAGE
CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
CONSTRUCTION DOCUMENTS

E301
ELECTRICAL SCHEDULES

Project Number: 25032
Date: 10/07/2025
Drawn By: LKM
Checked By: KMS



PROJECT: 25032
CONSTRUCTION DOCUMENTS

PROPOSED

FIRE STATION #7 APPARATUS

STORAGE

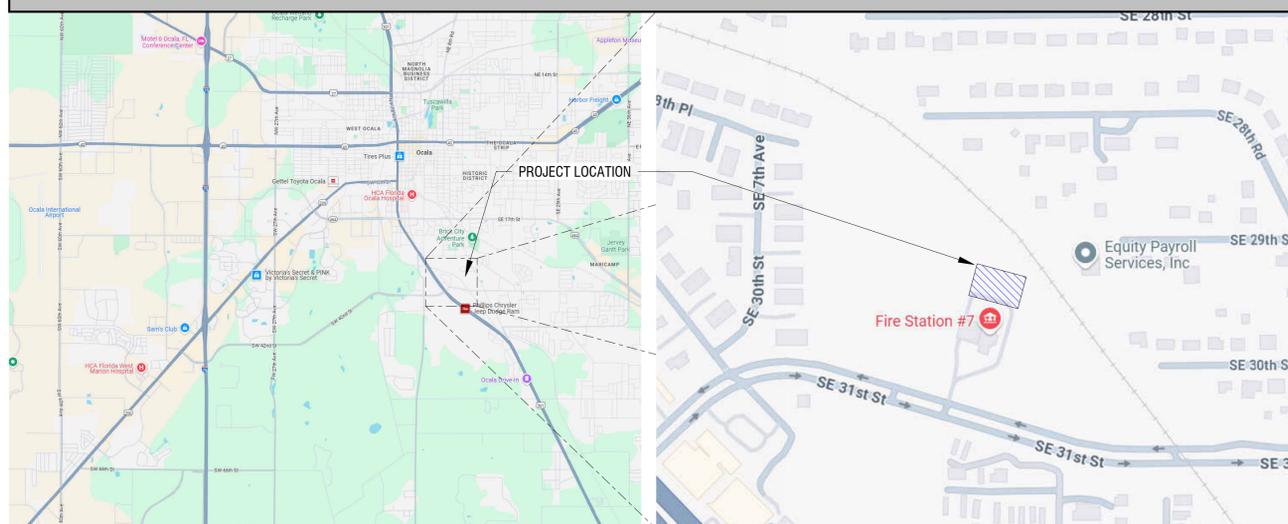
FOR
CITY OF OCALA

AT
885 SE 31ST ST, OCALA, FL 34471

3D VIEW



SITE VICINITY MAP



PROJECT INFORMATION

MONARCH JOB NUMBER: 52-0001
PROJECT NAME: FIRE STATION 07 APPARATUS STORAGE

PROJECT/SITE ADDRESS

885 SE 31ST ST, OCALA, FL 34471

START DATE: DATE
OCCUPANCY TYPE - FBC: STORAGE
OCCUPANCY TYPE - NFPA: STORAGE
NUMBER OF STORIES: 1
NUMBER OF BUILDINGS: 1
SPRINKLERED: NO
AUTHORITIES HAVING JURISDICTION: CITY OF OCALA
CONSTRUCTION TYPE: IIB

PROJECT SCOPE

PROJECT TYPE: PROPOSED
SCOPE SERVICES: ARCHITECTURAL - STRUCTURAL - CIVIL - MEP
PROJECT SCOPE OF WORK: THE PROJECT CONSISTS OF THE INSTALLATION OF A NEW PRE-ENGINEERED METAL BUILDING (PEMB) TO SERVE AS AUXILIARY APPARATUS STORAGE FOR THE CITY OF OCALA FIRE STATION #7. THE NEW CONSTRUCTION WILL INCLUDE METAL PANEL SIDING COMBINED WITH PARTIAL MESH EXTERIOR SIDING, ADDITIONAL CANOPIES, EXTERIOR SIGNAGE, AND ONE ENCLOSED SHOP AREA WITHIN THE STRUCTURE EQUIPPED WITH A ROLLING DOOR AND DESIGNATED WORKBENCH SPACE. COORDINATION WILL BE REQUIRED WITH STRUCTURAL ENGINEERING FOR SLAB SLOPE REQUIREMENTS, WITH CIVIL ENGINEERING FOR OVERALL SITE CONFIGURATION AND RELOCATION OF PARKING AND THE DUMPSTER PAD, AND WITH MEP ENGINEERING FOR INTEGRATION OF THE AIR COMPRESSOR SYSTEM, EXTERIOR HOSE BIB HOOKUPS, AND EXTERIOR LIGHTING. AS AN ADD ALTERNATE, PRICING WILL BE PROVIDED FOR AN EXHAUST REMOVAL SYSTEM SERVING THE APPARATUS BAYS TO BE EVALUATED FOR INCLUSION IN THE FINAL SCOPE.

DRAWING SHEET INDEX

SHEET #	SHEET NAME	SHEET ISSUE DATE	6/23/25 - 100% SCHEMATIC DESIGN	8/12/25 - DESIGN DEVELOPMENT	10/19/25 - PERMIT DOCUMENTS
GENERAL					
G000	COVER SHEET	10/10/2025	X	X	X
G001	PROJECT DATA	10/10/2025	X	X	X
G002	CODE SUMMARY & LIFE SAFETY PLAN	10/10/2025	X	X	X
ARCHITECTURAL - PLANS					
A100	ARCHITECTURAL SITE PLAN	10/10/2025	X	X	X
A101	FLOOR PLAN & RCP	10/10/2025	X	X	X
A110	ROOF PLAN	10/10/2025	X	X	X
ARCHITECTURAL - ELEVATIONS					
A201	ELEVATIONS	10/10/2025	X	X	X
ARCHITECTURAL - SECTIONS					
A301	BUILDING SECTIONS	10/10/2025	X	X	X
ARCHITECTURAL - WALL SECTIONS					
A401	WALL SECTIONS	10/10/2025	X	X	X
ARCHITECTURAL - DETAILS					
A701	EXTERIOR PEMB DETAILS	10/10/2025		X	X
A702	DETAILS	10/10/2025		X	X
ARCHITECTURAL - SCHEDULES & LEGENDS					
A801	SCHEDULES/LEGENDS	10/10/2025	X	X	X
STRUCTURAL					
S101	STRUCTURAL NOTES	10/10/2025		X	X
S201	FOUNDATION PLAN & DETAILS	10/10/2025		X	X
MECHANICAL					
M001	MECHANICAL LEGEND, ABBREVIATIONS, NOTES, DETAILS, AND SCHEDULES	10/10/2025		X	X
M201	MECHANICAL FLOOR PLAN- NEW WORK	10/10/2025		X	X
PLUMBING					
P001	PLUMBING LEGEND ABBREVIATIONS, NOTES, DETAILS AND SCHEDULES	10/10/2025		X	X
P201	PLUMBING FLOOR PLAN - DOMESTIC WATER	10/10/2025		X	X
ELECTRICAL					
E001	ELECTRICAL LEGEND, ABBREVIATIONS, NOTES, AND DETAILS	10/10/2025		X	X
E201	ELECTRICAL CEILING PLAN - LIGHTING	10/10/2025		X	X
E202	ELECTRICAL FLOOR PLAN - POWER AND SYSTEMS	10/10/2025		X	X
E301	ELECTRICAL SCHEDULES	10/10/2025		X	X

PROJECT TEAM

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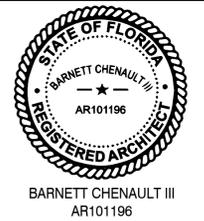
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REVISIONS

FIRE STATION 07 APPARATUS STORAGE

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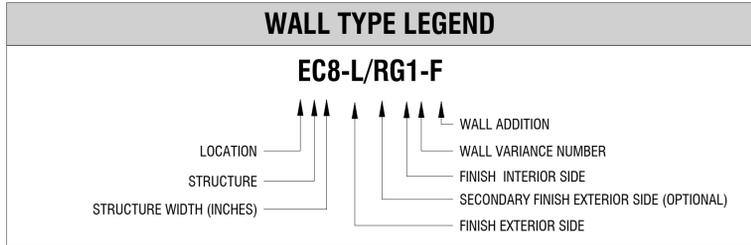
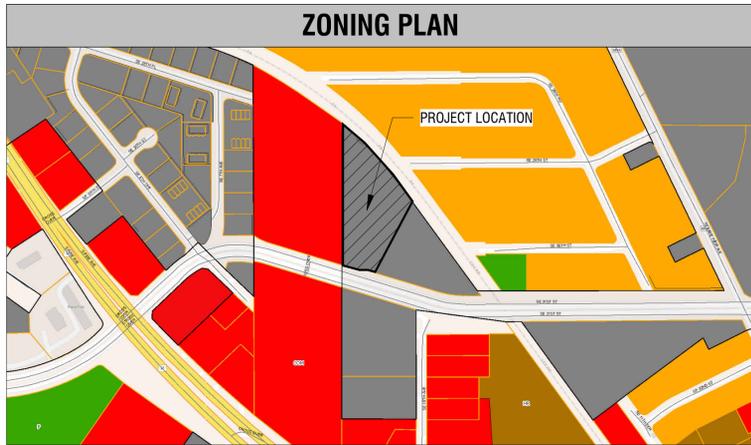
DESIGN PHASE:

PERMIT DOCUMENTS

G000

COVER SHEET

Project Number: 52-0001
Date: 10/10/2025
Drawn By: HR
Checked By: SG



STRUCTURE	FINISH	WALL ADDITION
S STEEL	B BRICK	F FIRE RATED
W WOOD	E EFIS	I INSULATION
M CMU	G GYPSUM	S SMOKE RATED
C CONCRETE	I INSULATED PANEL	M MULTI FINISH EXTERIOR
I INSULATED CONCRETE FORM	L SIDING	D DOUBLE FINISH INTERIOR
	M MTL BLDG PANEL	
	N NO FINISH	
	P WALL PANEL	
	R STONE	
	S STUCCO	
	T TILE	
	W WOOD	

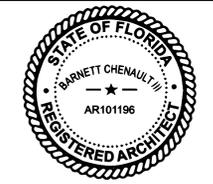
DRAWING SYMBOL LEGEND	
BUILDING OR WALL SECTION SECTION IDENTIFIER SHEET IDENTIFIER	PLAN OR SECTION CALLOUT SECTION IDENTIFIER SHEET IDENTIFIER
PLAN/SECTION DETAIL IDENTIFIER SHEET IDENTIFIER ROOM NAME ROOM NUMBER ROOM SQUARE FOOTAGE ROOM FINISH Floor Finish	EXTERIOR ELEVATION IDENTIFIER DETAIL IDENTIFIER SHEET IDENTIFIER
DOOR TYPE IDENTIFIER INDICATES DOOR WIDTH INDICATES DOOR NUMBER. SEE DOOR SCHEDULE FOR SIZE AND TYPE INDICATES DOOR RATED	INTERIOR ELEVATION IDENTIFIER DETAIL IDENTIFIER SHEET IDENTIFIER COLUMN GRID LINES KEYNOTE WALL PARTITION TYPE BREAK LINE
WINDOW TYPE IDENTIFIER INDICATES WINDOW NUMBER. SEE WINDOW SCHEDULE FOR SIZE AND TYPE	REVISION CLOUD REVISION IDENTIFIER REVISION INDICATOR CONVENTIONAL GRID SYSTEM
GENERAL NOTE TAG ELEVATION HEIGHT SPOT ELEVATION MARK	

ARCHITECTURAL SHEET LEGEND		
DISCIPLINE DESIGNATION	SHEET TYPE	EX. A-0.0.0
A ARCHITECTURAL	0 GENERAL	A 1 1 1 DISCIPLINE DESIGNATOR SHEET TYPE MULTI-STORY LEVEL SEQUENCE NUMBER
B GEOTECHNICAL	1 PLAN	
C CIVIL	2 ELEVATIONS	
D PROCESS	3 BUILDING SECTIONS	
E ELECTRICAL	4 WALL SECTIONS	
F FIRE PROTECTION	5 H/J/S	
G GENERAL	6 ASSEMBLIES/ENLARGE	
H HAZARDOUS MATERIALS	7 DETAILS	
I INTERIORS	8 SCHEDULES	
L LANDSCAPE	9 AREAS	
M MECHANICAL		
O OPERATIONS		
P PLUMBING		
Q EQUIPMENT		
R RESOURCE		
S STRUCTURAL		
T TELECOMMUNICATIONS		
V SURVEY/MAPPING		
W DISTRIBUTED ENERGY		
X OTHER DISCIPLINES		
Z CONTRACTORS/SHOP DRAWINGS		

ABBREVIATIONS			
ABC	AGGREGATE BASE COURSE	EXT.	EXTERIOR EXISTING
A.B.	ANCHOR BOLT	EXIST	EXISTING
A/C	AIR CONDITIONING	FBD	FIBERBOARD
A.C.	ASPHALTIC CONCRETE	F.B.O.	FURNISHED BY OTHERS
ACC	ACCESSIBLE	FCO	FLUSH CLEANOUT
ACT	ACOUSTIC CEILING TILE	FD	FLOOR DRAIN (FIRE DAMPER)
ADA	AMERICANS W/ DISABILITIES ACT	FE	FIRE EXTINGUISHER
ADD	ADDITIVE	FEC	FIRE EXTINGUISHER CABINET
A.F.F.	ABOVE FINISHED FLOOR	FF	FINISH FLOOR
AG	ABOVE GROUND/GRADE	FFE	FINISH FLOOR ELEVATION
A.H.	AIR HANDLER	F.F. & E.	FURNITURE, FIXTURES & EQUIPMENT
AL	ALUMINUM	FH	FIRE HYDRANT
ALT.	ALTERNATE	FIN.	FINISH(ED) FLOOR
ALUM.	ALUMINUM	FLR.	FLUORESCENT FOUNDATION
ANOD.	ANODIZED	FNB	FACE OF BRICK
ARCH.	ARCHITECTURAL	FOC	FACE OF CONCRETE
ASPH	ASPHALT	FOF	FACE OF FINISH
BD.	BOARD	FOM	FACE OF MASONRY
BIM	BUILDING INFORMATION MODEL(ING)	FOS	FACE OF STUDS
BLK.	BLOCKING	FP	FIRE PROOF/FIREPROOFING
BLDG.	BUILDING	FRT	FIRE RETARDANT
BLKG.	BLOCKING	F.S.	FACE OF SHEATHING
BM.	BEAM	FT.	FOOT (FEET)
BOH	BACK OF HOUSE	FTG.	FOOTING
BOT.	BOTTOM	GA.	GAUGE (GAGE)
BRG.	BEARING	GALV.	GALVANIZED
BRZ.	BRONZE	G.B.	GYPSUM BOARD
B.U.	BUILT-UP	G.C.	GENERAL CONTRACTOR
BUR	BUILT-UP-ROOFING	GL	GLASS/GLAZING
CAB.	CABINET	GLB	GLUE LAMINATED BEAM
CAT 5	CATEGORY 5 CABLE	GPM	GALLONS PER MINUTE
C.F.	CUBIC FOOT	GSN	GENERAL STRUCTURAL NOTES
CFM	CUBIC FEET PER MINUTE	GWB	GYPSUM WALL BOARD
CFMF	COLD FORMED METAL FRAMING	GYP. BD.	GYPSUM BOARD
C.I.	CAST IRON	H.B.	HOSE BIBB
C.I.P.	CAST IN PLACE	H.C.	HOLLOW CORE
CIR.	CIRCLE	HDR.	HEADER
CIRC.	CIRCUMFERENCE	HDW	HARDWARE
CL	CENTERLINE	HM	HOLLOW METAL
CLG.	CEILING	HOR.	HORIZONTAL
C.J.	CONTROL JOINT	HP	HORSEPOWER
CLR.	CLEAR(ANCE)	HR.	HOUR
CMU	CONCRETE MASONRY UNIT	HT	HEIGHT
C.O.	CLEAN OUT	HTG.	HEATING
COL.	COLUMN	HVAC	HEATING / VENTILATION / AIR CONDITIONING
CONC.	CONCRETE	HW	HOT WATER
COND.	CONDENSER (CONDENSATE)	HWD.	HARDWOOD
CONT.	CONTINUOUS	HYD.	HYDRANT
CONST.	CONSTRUCTION	ID	INTERIOR DESIGN(ER)
CONTR.	CONTRACT(OR)	I.D.	INSIDE DIAMETER
CORR.	CORRUGATED	IN.	INCH
CT	CERAMIC TILE	INCL	INCLUDE/INCLUDED/INCLUDING
CTR.	CENTER	INSUL.	INSULATION
CU	COPPER	INT.	INTERIOR
C.W.	COLD WATER	INV EL	INVERT ELEVATION
C. Y.	CUBIC YARD	J BOX	JUNCTION BOX
DEMO	DEMOLISH/DEMOLITION	JT.	JOINT
DET.	DETAIL	KO	KNOCK OUT
DIA	DIAMETER	LAB.	LABORATORY
DIFF.	DIFFUSER	LAM.	LAMINATED
DIM.	DIMENSION	LAV.	LAVATORY
D.L.	DEAD LOAD	LBL	LABEL
DN.	DOWN	LBS.	POUNDS
DNR.	DAMPER	LH	LEFT HAND
D.S.	DOWNSPOUT	LL	LIVE LOAD
DWR.	DRAWER	LLH	LONG LEG HORIZONTAL
DWG.	DRAWING	LLV	LONG LEG VERTICAL
E.	EAST	LTL	LINTEL
EA.	EACH	LW	LIGHTWEIGHT
EDF	ELECTRIC DRINKING FOUNTAIN	MAS.	MASONRY
E.F.	EXHAUST FAN	MATL	MATERIAL
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	MAX.	MAXIMUM
E.J.	EXPANSION JOINT	MECH.	MECHANICAL
ELEC.	ELECTRIC(AL)	MED.	MEDIUM
ELEV.	ELEVATION (ELEVATOR)	MET.	METAL
EM.	EMERGENCY	MFG.	MANUFACTURER
EMERG.	EMERGENCY	MFR.	MANUFACTURER
ENGR.	ENGINEER	M.H.	MANHOLE
ENCL.	ENCLOSURE	MIN.	MINIMUM
EQ	EQUAL	MISC.	MISCELLANEOUS
EW	ELECTRIC WATER COOLER	M.O.	MASONRY OPENING
EXH.	EXHAUST	MOD.	MODULAR
EXP.	EXPANSION	M.R.	MOISTURE-RESISTANT
		MTL.	METAL
		MW.	MICROWAVE
		N.	NORTH
		N/A	NOT APPLICABLE
		NAT.	NATURAL
		N.I.C.	NOT IN CONTRACT
		NOM.	NOMINAL
		NO.	NUMBER
		NTS	NOT TO SCALE
		OA	OVERALL
		OC	ON CENTER
		O.D.	OUTSIDE DIAMETER
		OFOI	OWNER FURNISHED, OWNER INSTALLED
		OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
		O.H.	OVERHEAD
		OPG.	OPENING
		OPP.	OPOSITE
		O.R.D	OVERFLOW ROOF DRAIN
		OSCI	OWNER-SUPPLIED, CONTRACTOR-INSTALLED
		PTAC	PACKAGE TERMINAL AIR CONDITIONING UNIT
		PAR.	PARALLEL
		PBD.	PARTICLE BOARD
		PC	PRE-CAST
		PCF	POUNDS PER CUBIC FOOT
		PIP	POURED-IN-PLACE
		PL	PLATE
		P.L.	PROPERTY LINE
		PLAM	PLASTIC LAMINATE
		PLBG.	PLUMBING
		PLF	POUNDS PER LINEAL FOOT
		PLYWD.	PLYWOOD
		PNL	PANEL
		PP	POWER POLE
		PR	PAIR
		PEMB	PRE-ENGINEERED METAL BUILDING
		PRV	PRESSURE-REDUCING VALVE
		PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
		PT	POINT (PRESSURE-TREATED)
		PTD	PAINTED
		P.T.D.	PAPER TOWEL DISPENSER
		P.T.R.	PAPER TOWEL RECEPTACLE
		P.V.M.T.	PAVEMENT
		PVC	POLYVINYL CHLORIDE
		R	RADIUS
		RA	RETURN AIR
		RAD.	RADIUS
		RAG	RETURN AIR GRILLE
		R.B.	RUBBER BASE
		R.D.	ROOF DRAIN
		REBAR	REINFORCING BAR
		REF.	REFERENCE
		REG.	REGISTER(ED)
		REINF.	REINFORCING (REINFORCED)
		REQ'D	REQUIRED
		REV.	REVISED (REVISION)
		RFG.	ROOFING
		RM.	ROOM
		R.O.	ROUGH OPENING
		R.O.W.	RIGHT OF WAY
		R.S.	ROUGH SAWN
		S.	SOUTH
		SC	SOLID CORE
		SCH	SCHEDULE
		SD	STORM DRAIN
		SEC.	SECTION
		S.F.	SQUARE FEET
		SHR.	SHOWER
		SHWR.	SHOWER
		SHT.	SHEET
		SIM.	SIMILAR
		SPEC(S)	SPECIFICATION(S)
		SPK	SPEAKER
		SQ	SQUARE
		SS	SANITARY SEWER
		SS	STAINLESS STEEL
		STAT	THERMOSTAT
		STD.	STANDARD
		STL	STEEL
		STOR.	STORAGE
		STRUC.	STRUCTURE, STRUCTURAL
		SUP.	SUPPLY
		SUS.	SUSPENDED
		SW.	SWITCH
		SYM.	SYMMETRICAL
		SYS.	SYSTEM
		T & B	TOP AND BOTTOM
		T & G	TONGUE-AND-GROOVE
		T.B.	TOP OF BEAM
		TBAR	TOWEL BAR
		TBR	TO BE REMOVED
		T.C.	TOP OF CURB
		TDD	TELECOMMUNICATIONS FOR THE DEAF
		TELCOM	TELECOMMUNICATIONS
		THK	THICKNESS (THICK)
		THR	THREAD
		T-HOLD	THRESHOLD
		T.L.	TOP OF LINTEL
		T.O.	TOP OF
		T.O.P.	TOP OF PLATE
		T. SL.	TOP OF SLAB
		T. STL.	TOP OF STEEL
		TV	TELEVISION
		T.W.	TOP OF WALL
		Typ.	TYPICAL
		UG	UNDERGROUND
		U.N.O.	UNLESS NOTED OTHERWISE
		VB	VAPOR BARRIER
		VERT	VERTICAL
		VPAC	VERTICAL PTAC
		VCP	VITRIFIED CLAY PIPE
		VCT	VINYL COMPOSITION TILE
		VERT.	VERTICAL
		V.I.F.	VERIFY IN FIELD
		VIN.	VINYL
		V.T.	VINYL TILE
		V.T.R	VENT THRU ROOF
		VWC	VINYL WALL COVERING
		W.	WEST
		W/	WITH
		W/O	WITHOUT
		W.B.	WOOD BASE
		WC	WATER CLOSET
		WD.	WOOD
		W.G.	WIRED GLASS
		WH	WATER HEATER
		W.I.	WROUGHT IRON
		W.P.T.	WORK POINT
		WR	WATER-RESISTANT
		WT	WOOD TRIM/CASE
		WSCT	WAINSCOT
		WWF	WELDED WIRE FABRIC

GENERAL NOTES	
1.	DRAWINGS ARE DIAGRAMMATIC TO CONVEY EXISTING/NEW CONDITIONS. CONTRACTOR SHALL INSPECT AND VERIFY THE SCOPE OF WORK. ANY ADDITIONAL WORK NOT SPECIFICALLY NOTED ON THE DRAWINGS BUT YET ARE APPARENT TO FIELD INSPECTION SHALL BE CONSIDERED AS PART OF THIS CONTRACT. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR VERIFYING ALL EXISTING CONDITIONS.
2.	CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
3.	NO INSTRUCTION, REVISIONS, ADDITIONS, DELETIONS, SPECIFICATIONS OR DETAILS OTHER THAN THE INFORMATION CONTAINED HEREIN BEFORE SHALL GOVERN THE PROJECT UNLESS THEY ARE IN WRITING AND APPROVED BY THE ARCHITECT, OWNER, AND CONTRACTOR IN THE FORM OF A CHANGE ORDER.
4.	GC, VENDORS & SUB-CONTRACTORS SHALL REFER TO ALL DRAWINGS, AND PROJECT MANUAL OF CONTRACT DOCUMENTS AND COMPLY WITH ALL PROVISIONS THEREIN. IF THERE IS A DISCREPANCY BETWEEN CONTRACT DOCUMENTS, GC TO VERIFY AND COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
5.	ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTRUCTIONS. IT IS GENERAL CONTRACTOR'S RESPONSIBILITY TO VERIFY AND APPROVE ALL DIMENSIONS OF EQUIPMENT AND MATERIAL WITH SUPPLIERS PRIOR TO ORDERING AND/OR INSTALLATION OF ALL PRODUCTS.
6.	RFPS - SUBMIT ALL QUESTIONS ON RFI DOCUMENT PROVIDED IN BID DOCUMENTS WITH DATE OF REQUEST. ARCHITECT WILL PROVIDE RESPONSE AS QUICKLY AS PRACTICAL.
7.	UPON GENERAL CONTRACTOR APPROVAL, ALL SUBMITTALS ARE TO BE SENT FROM THE SUBCONTRACTOR TO THE GENERAL CONTRACTOR FOR REVIEW AND SUBMISSION TO THE ARCHITECT; THE SUBCONTRACTOR IS TO FLAG ANY SUBSTITUTIONS. THE FULL SUBMITTAL PACKAGE IS TO BE SENT ELECTRONICALLY IN PDF FORMAT ON EITHER CD, FTP WEBSITE FOR DOWNLOAD, OR DROPBOX TO THE ARCHITECT WITHIN TWO WEEKS OF AWARD. ALL SUBMITTALS ARE TO BE REVIEWED BY GC PRIOR TO SUBMISSION TO THE ARCHITECT. ALL NON-REVIEWED SUBMITTALS WILL BE REJECTED. THE ARCHITECT WILL SUBMIT TO THE PROJECT MANAGER COPIES OF ALL REJECTED SUBMITTALS AND APPROVED SUBSTITUTIONS. ALL APPROVED SUBMITTALS AND CUT-SHEETS ARE TO BE MADE AVAILABLE PERMANENTLY ON THE JOB SITE FOR FUTURE REFERENCE DURING CONSTRUCTION MEETINGS. TIMELINESS OF SUBMITTALS IS OF EXTREME IMPORTANCE DUE TO PROJECT SCHEDULE.
8.	PROJECT MAY INCLUDE MISCELLANEOUS STANDARD DETAILS. GC IS TO REVIEW ALL TO VERIFY ALL ARE APPLICABLE. SOME DETAILS MAY BE MIRRORRED FOR THIS PROJECT COORDINATE W/ FLOOR PLAN.
9.	SEE PROJECT MANUAL SECTION 01100 FOR ALTERNATES (WHEN APPLICABLE).
10.	SEE PROJECT MANUAL SECTION 01021 FOR ALLOWANCES (WHEN APPLICABLE).
11.	SEE LIFE SAFETY SERIES DRAWINGS FOR CODE DATA & LIFE SAFETY INFORMATION.

DEFERRED SUBMITTAL	
1)	DEFERRAL OF ANY SUBMITTAL ITEMS SHALL HAVE THE PRIOR APPROVAL OF THE BUILDING OFFICIAL HAVING JURISDICTION.
2)	SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ENTITY DESIGNATED FOR THE PROJECT WHO SHALL REVIEW THEM. THESE DOCUMENTS WILL THEN BE FORWARDED BY THE OWNER TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND HAVE BEEN FOUND TO BE IN GENERAL COMPLIANCE WITH THE DESIGN OF THE PROJECT.
3)	THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED.
LIST (INCLUDING BUT NOT LIMITED TO):	
PRE-ENGINEERED METAL BUILDING (PEMB) TO BE REVIEWED BY STRUCTURAL ENGINEER	



REVISIONS

FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
PERMIT DOCUMENTS

G001

PROJECT DATA
Project Number: 52-0001
Date: 10/10/2025
Drawn By: HR
Checked By: SG

PROJECT SUMMARY	
CONSTRUCTION:	NEW CONSTRUCTION
TYPE OF CONSTRUCTION	TYPE IIB
OCCUPANCY TYPE	S-1 (STORAGE)
SPRINKLERED	NO
AREA	7,289 SF

LONGEST PATH TO EXIT
LONGEST TRAVEL DISTANCE: 64' - 4"
TOTAL OCCUPANCY LOAD = 36

BUILDING PLUMBING CALCULATIONS - FBC-P-2023						
TABLE 2902.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES						
CLASSIFICATION	OCCUPANTS	WATER CLOSETS	LAVATORIES	SHOWERS	DRINKING FOUNTAIN	OTHER
STORAGE	36	1 PER 100	1 PER 100	N/A	1 PER 1000	1 SERVICE SINK
		.36	.36	N/A	.036	1
TOTAL REQUIRED	1	1	N/A	1	1	1
TOTAL PROVIDED	4	3	N/A	1	1	N/A

FLORIDA PLUMBING CODE, PLUMBING, 8TH EDITION

CHAPTER 4 SECTION 403: LOCATION OF TOILET FACILITIES IN OCCUPANCIES OTHER THAN MALLS:
NOTE: THE PATH OF TRAVEL TO SUCH PLUMBING FACILITIES SHALL NOT EXCEED A DISTANCE OF 500 FEET (152 M).

LIFE SAFETY SYMBOL LEGEND			
	COMMON PATH OF TRAVEL		TRAVEL DISTANCE TO W.C.
	PATH OF TRAVEL DISTANCE		WALL MOUNTED FIRE EXTINGUISHER CABINET

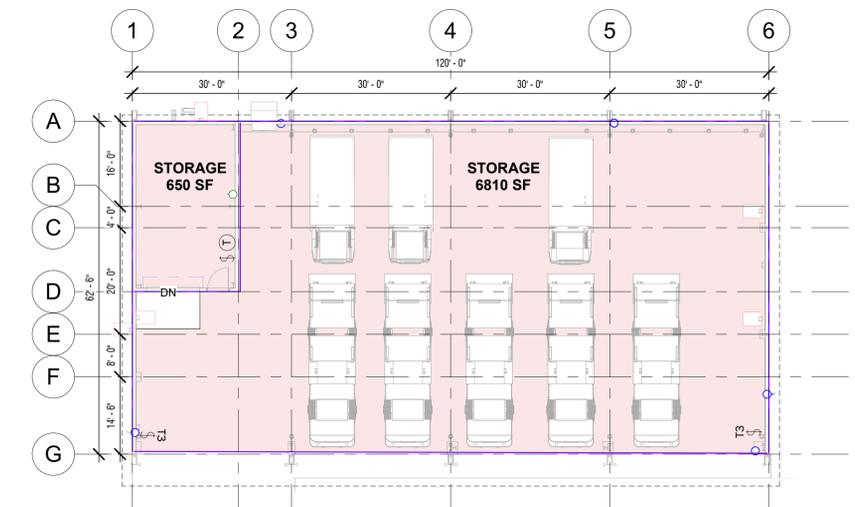
ADA APPROACH LEGEND				
#	APPROACH DIRECTION	PERPENDICULAR DOOR SIDE	PARALLEL TO DOORWAY	TO DOORWAY
A	FROM FRONT	PULL 60IN	18IN	
B	FROM FRONT	PUSH 48IN	0IN	

NFPA 101, 8TH EDITION, 2024	
NFPA101, 8TH EDITION	
CHAPTER 7 MEANS OF EGRESS	
7.4* NUMBER OF MEANS OF EGRESS - 1 EXIT PROVIDED FROM STORAGE 101; REMAINDER OF BUILDING OPEN TO EXTERIOR, COMPLIES.	
CHAPTER 42 STORAGE OCCUPANCIES	
42.1.7 OCCUPANT LOAD THE OCCUPANT LOAD, IN NUMBER OF PERSONS FOR WHOM MEANS OF EGRESS AND OTHER PROVISIONS ARE REQUIRED, SHALL BE DETERMINED ON THE BASIS OF THE OCCUPANT LOAD FACTORS OF TABLE 7.3.1.2 THAT ARE CHARACTERISTIC OF THE USE OF THE SPACE, OR SHALL BE DETERMINED AS THE MAXIMUM PROBABLE POPULATION OF THE SPACE UNDER CONSIDERATION, WHICHEVER IS GREATER.	
42.2.1.1 MEANS OF EGRESS REQUIREMENTS EACH REQUIRED MEANS OF EGRESS SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF CHAPTER 7.3.1.2. - COMPLIES WITH CHAPTER 7 & 39.	
42.2.5 ARRANGEMENT OF MEANS OF EGRESS MEANS OF EGRESS, ARRANGED IN ACCORDANCE WITH SECTION 7.5, SHALL NOT EXCEED THAT PROVIDED BY TABLE 42.2.5, UNLESS OTHERWISE PERMITTED BY THE FIRE CODE.	
COMMON PATH OF TRAVEL SHALL NOT EXCEED 50 FT (15 M) WITHIN A SINGLE TENANT SPACE HAVING AN OCCUPANT LOAD NOT EXCEEDING 50 PERSONS. - COMPLIES, MAX COMMON PATH OF TRAVEL 33' - 9".	
42.2.6* TRAVEL DISTANCE TO EXITS TRAVEL DISTANCE, MEASURED IN ACCORDANCE WITH SECTION 7.6, SHALL NOT EXCEED THAT PROVIDED BY TABLE 39.2.6, UNLESS OTHERWISE PERMITTED BY THE FIRE CODE.	
42.2.6.1 TRAVEL DISTANCE SHALL BE MEASURED IN ACCORDANCE WITH SECTION 7.2	
42.2.6.3 TRAVEL DISTANCE TO AN EXIT SHALL NOT EXCEED 200FT IN STORAGE OCCUPANCIES NOT PROTECTED THROUGHOUT BY AN APPROVED, SUPERVISED, AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 9.7 - COMPLIES, MAX TRAVEL DISTANCE: 64' - 4".	
FLORIDA BUILDING CODE, 8TH EDITION	
CHAPTER 10: MEANS OF EGRESS	
1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAYS STORAGE: MAXIMUM OCCUPANT LOAD = 49/ MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE (NOT SPRINKLERED) = 75 FT	

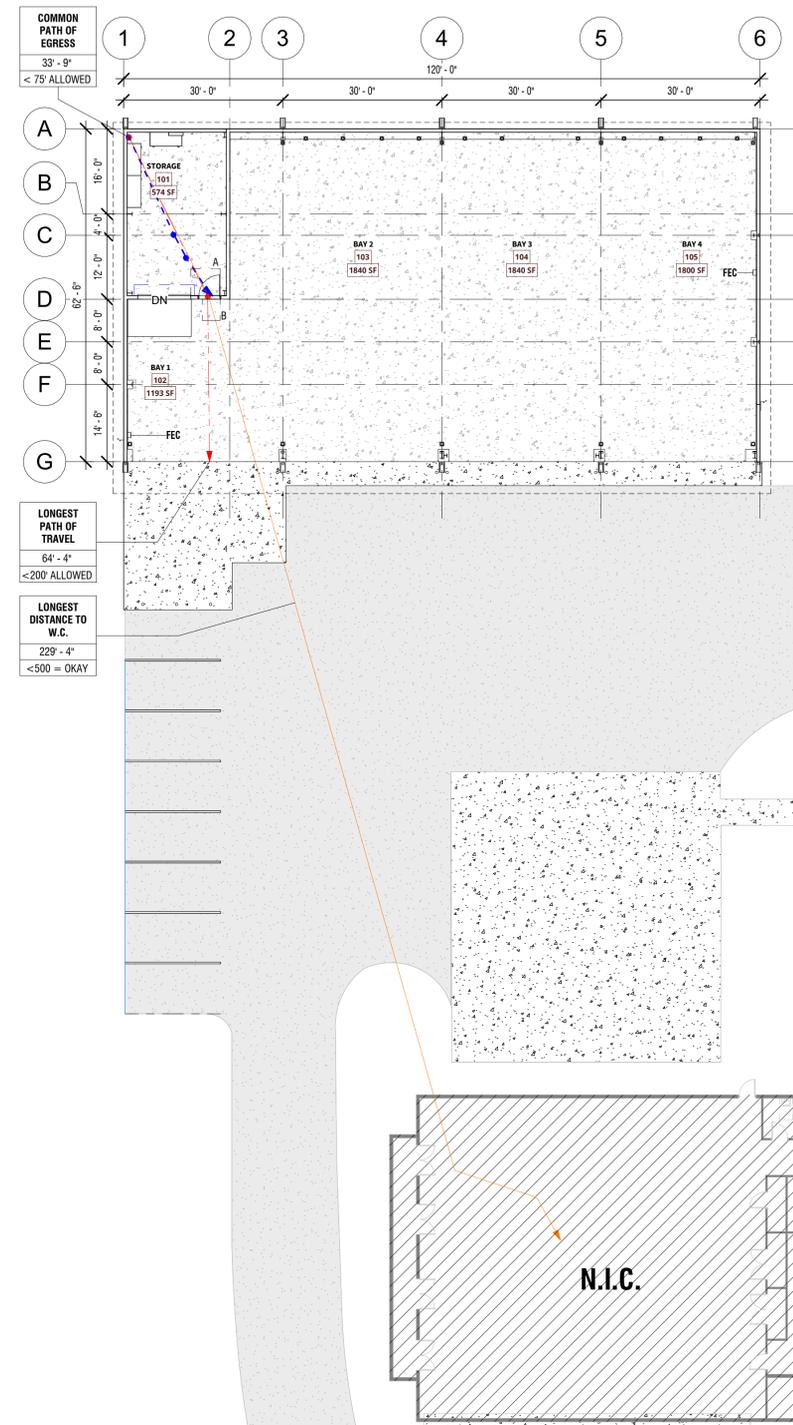
GENERAL CODE PARAMETERS - FBC-B-2023		
BUILDING CODE DESCRIPTION	CODE REFERENCE	BUILDING IDENTIFICATION
BUILDING OCCUPANCY CLASSIFICATION:	FBC SECTION 304.1	S-1
TYPE OF CONSTRUCTION:	FBC SECTION 602.2	IIB
CONSTRUCTION:		NEW CONSTRUCTION
BUILDING HEIGHT AND AREA:		
ALLOWABLE NUMBER OF STORIES:	FBC TABLE 504.4	2
ACTUAL NUMBER OF STORIES:		1
ALLOWABLE BUILDING AREA:	FBC TABLE 506.2	17,500 SF
ACTUAL TOTAL BUILDING AREA:		7,289 GSF
ALLOWABLE BUILDING HEIGHT:	FBC TABLE 504.3	55'-0"
ACTUAL BUILDING HEIGHT:		21' 10"

MEANS OF EGRESS			
EXITS	CODE REFERENCE	REQUIRED	PROVIDED
BUILDING EXITS:	FBC TABLE 1006.3.2	1 MIN.	1
TRAVEL DISTANCE:	FBC 1017.2	200' MAX.	64' - 4"
COMMON PATH:	FBC 1006.2.1	75' MAX.	33' 9"
DOOR WIDTH:	FBC 1010.1.1	32" MIN.	48"

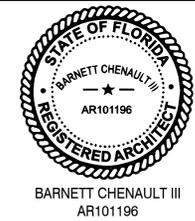
AREA OCCUPANCY SCHEDULE							
NUMBER	NAME	OCCUPANCY GROUP	OCCUPANCY CLASSIFICATION	AREA	OCCUPANCY LOAD FACTOR	OCCUPANCY LOAD	MIN. EXIT WIDTH
101	STORAGE	S-1	STORAGE	574 SF	300	1.91	0.38
102	BAY 1	S-1	STORAGE	1193 SF	200	5.97	1.19
103	BAY 2	S-1	STORAGE	1840 SF	200	9.20	1.84
104	BAY 3	S-1	STORAGE	1840 SF	200	9.20	1.84
105	BAY 4	S-1	STORAGE	1800 SF	200	9.00	1.80
TOTAL: 5				7248 SF		35.28	7.06



2 G002 AREA PLAN- FBC SCALE: 1/16" = 1'-0"



1 G002 LIFE SAFETY - PLAN - OVERALL SCALE: 1/16" = 1'-0"



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FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
PERMIT DOCUMENTS

G002

CODE SUMMARY & LIFE SAFETY PLAN

Project Number: 52-0001
Date: 10/10/2025
Drawn By: HR
Checked By: SG

MECHANICAL LEGEND

①₁ WALL-MOUNTED THERMOSTAT (UNIT NUMBER INDICATED)

MECHANICAL GENERAL NOTES

- IT IS THE RESPONSIBILITY OF MECHANICAL CONTRACTOR TO COORDINATE WITH ALL TRADES' WORK INDICATED IN ENTIRE CONSTRUCTION DOCUMENTS. DETAILS ON ALL SHEETS REFLECT CROSS DISCIPLINE ITEMS REQUIRING PRICING AND COORDINATION.
- CONTRACTOR SHALL PROVIDE PHENOLIC LABELS ON ALL NEW HVAC UNITS, TERMINAL UNITS, MAIN CONTROL DAMPERS AND THERMOSTATS INDICATING NAME, FUNCTION, ETC. CONTRACTOR SHALL PROVIDE STENCIL OR LAMINATED LABELS ON ALL NEW PIPING/DUCTWORK INDICATING SERVICE.

EQUIPMENT NOTES

- PROVIDE FULL-SIZE PVC CONDENSATE DRAINS FROM ALL UNITS TO DISPOSAL POINT INDICATED ON THE DRAWINGS.
- PROVIDE A "P" TRAP ON ALL CONDENSATE DRAIN OUTLETS. SLOPE ALL CONDENSATE DRAIN PIPING 1/4" INCH PER FOOT. CONDENSATE DRAINS SHALL BE ROUTED OUTSIDE SERVICE CLEARANCE AREAS OF UNITS. PROVIDE CLEANOUT PLUG AT TRAP PER DETAIL THIS SHEET.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PIPING AND DUCTWORK SUCH THAT MANUFACTURER'S RECOMMENDED CLEARANCES ARE MET FOR ALL ACCESS PANELS, MOTORS, FANS, BELTS, FILTERS, AIR INTAKES, ETC.

ABBREVIATIONS:

A	AMPS; AREA	LAT	LEAVING AIR TEMPERATURE
AAV	AUTOMATIC AIR VENT	LBS	POUNDS
ABV	ABOVE	LVG	LEAVING
ACU	AIR CONDITIONING UNIT	MA	MIXED AIR
AFB	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AHUAIR	HANDLING UNIT	MBH	THOUSANDS OF BTUs
AP	ACCESS PANEL	MCA	MIN CIRCUIT AMPACITY
BD	BALANCING DAMPER	MD	MOTORIZED DAMPER
BTU	BRITISH THERMAL UNITS	MIN	MINUTE; MINIMUM
BTUH	BTU PER HOUR	MOC	MAXIMUM OVER-CURRENT PROTECTION
C	CONDENSATE	NIC	NOT IN CONTRACT
CD	CEILING DIFFUSER	NC	NORMALLY CLOSED
CFH	CUBIC FEET PER HOUR	NO	NORMALLY OPENED
CFM	CUBIC FEET PER MINUTE	NTS	NOT TO SCALE
CFT	CUBIC FEET (FT ³)	OA	OUTDOOR AIR
CH	(AIR-COOLED) CHILLER	OAL	OUTDOOR AIR LOUVER
CLG	FINISHED CEILING	OC	ON CENTER
CU	CONDENSER UNIT	OD	OUTSIDE DIAMETER
DB	DRY BULB	PH	PHASE
DEFL	DEFLECTION	PSI	POUNDS PER SQUARE INCH
DG	DOOR GRILLE	PSIA	PSI ABSOLUTE
DIA	DIAMETER	R	RADIUS
EA	EACH	RA	RETURN AIR
EAT	ENTERING AIR TEMPERATURE	RG	RETURN GRILLE
EER	ENERGY EFFICIENCY RATIO	RH	RELATIVE HUMIDITY
EF	EXHAUST FAN	RPM	REVOLUTIONS PER MINUTE
EG	EXHAUST GRILLE	RTU	ROOFTOP UNIT
ENT	ENTERING	SA	SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	SEER	SEASONAL ENERGY EFFICIENCY RATIO
EXH	EXHAUST	SP	STATIC PRESSURE
EXIST.	EXISTING	SQ.FT.	SQUARE FEET (FT ²)
F	DEGREE FAHRENHEIT	STL	STEEL
FCU	FAN COIL UNIT	TEMP	TEMPERATURE
FD	FLOOR DRAIN	TF	THERMA-FUSER
FPM	FEET PER MINUTE	TG	TRANSFER GRILLE
FT.	FEET	TSP	TOTAL STATIC PRESSURE
GPM	U.S. GALLONS PER MINUTE	TYP	TYPICAL
H ₂ O	WATER	V	VOLTS
HD	HEAD	VAR.	VARIABLE
HP	HORSEPOWER; HEAT PUMP	VAV	VAR. AIR VOLUME
HR	HOUR	VFD	VAR. FREQUENCY DRIVE
ID	INSIDE DIAMETER	VRF	VAR. REFRIGERANT FLOW
IN.	INCHES	WB	WET BULB
IN. WG	INCHES OF WATER GAUGE	WSHP	WATER-SOURCE HEAT PUMP
KW	KILOWATTS		
KWH	KILOWATT HOUR		

MINI SPLIT SYSTEM SCHEDULE

MANUFACTURER	LG
INDOOR UNIT TAG	AC-1
MODEL	KNSAE121A
NOTES	①②③
COOLING CAPACITY (BTU/H)	11,000
HEATING CAPACITY (BTU/H)	12,000
MAXIMUM AIRFLOW (CFM)	459
WEIGHT (LBS)	19.2
OUTDOOR UNIT TAG	CU-1
MODEL	KUSAE121A
COMPRESSOR TYPE	INVERTER
MCA	10
MOC	15
SEER	18
WEIGHT (LBS)	55.3
ELECTRICAL CHARACTERISTICS (V-PH)	240 - 1

NOTES:

- INSTALL REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE CONDENSATE PUMP WITH INDOOR UNIT. ROUTE 3/4" PVC CONDENSATE DRAIN TO NEW SPLASH BLOCK AT NORTH EXTERIOR WALL. PROVIDE DRAIN PIPING PER MANUFACTURER'S INSTRUCTIONS.
- PROVIDE ELECTRICAL DISCONNECT BY DIVISION 26 AT CONDENSING UNIT. OUTDOOR UNIT FEEDS POWER TO INDOOR - SEE INSTALLATION INSTRUCTIONS.
- PROVIDE DOOR SWITCH AT ROLL-UP DOOR. UNIT SHALL TURN OFF WHEN DOOR IS OPENED.

EXHAUST FAN SCHEDULE (ALTERNATE 1)

AREA SERVED	MARK	TYPE	AIR QUANTITY (CFM)	STATIC PRESSURE (IN H2O)	SPEED (RPM)	MOTOR POWER (BHP)	ELEC. CHAR (V-PH)	MANUFACTURER	MODEL NUMBER	SONES	NOTES
APPARATUS BAY	EF-1	WALL	3,350	0.5	1,397	0.66	240 - 1	GREENHECK	AER-20-02-0620-VG	16.1	①②③④⑤⑥
APPARATUS BAY	EF-2	WALL	3,350	0.5	1,397	0.66	240 - 1	GREENHECK	AER-20-02-0620-VG	16.1	①②③④⑤⑥

NOTES:

- PROVIDE MANUFACTURER'S ELECTRICAL DISCONNECT WITH FAN. MOUNT AT AN ACCESSIBLE HEIGHT BELOW THE FAN ON INSIDE OF EXTERIOR WALL OF BUILDING.
- PROVIDE INTEGRAL MANUFACTURER'S ELECTRICAL DISCONNECT WITH FAN.
- DIRECT DRIVE - PROVIDE SPEED CONTROLLER.
- PROVIDE BACKDRAFT DAMPER.
- PROVIDE THERMAL OVERLOAD.
- FAN SHALL BE CONTROLLED BY NEW WALL SWITCH PROVIDED BY DIVISION 26. 3-WAY SWITCHES AT EACH ENTRY DOOR SHALL CONTROL EF-1 AND 2.
- PROVIDE 45 DEGREE WEATHERHOOD.

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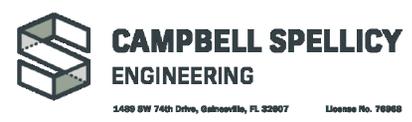
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DESIGN PHASE:
CONSTRUCTION DOCUMENTS

M001
MECHANICAL LEGEND, ABBREVIATIONS, NOTES, & SCHEDULES

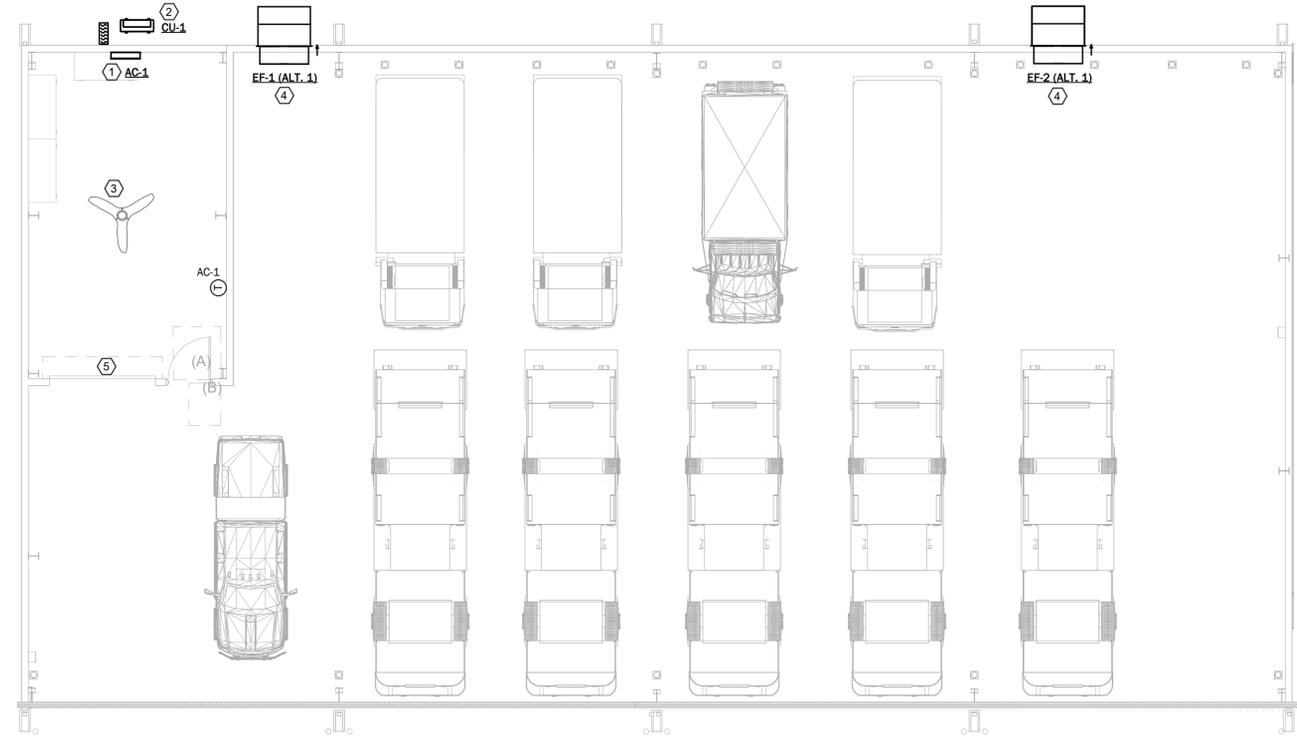
Project Number: 25032
Date: 09/25/2025
Drawn By: MEMA
Checked By: KMS



PROJECT: 25032
CONSTRUCTION DOCUMENTS

SHEET NOTES:

- ① NEW MINISPLIT. ROUTE CONDENSATE PIPING TO NEW SPLASH BLOCK AT EXTERIOR.
- ② NEW CONDENSING UNIT. PROVIDE NEW 4" HOUSEKEEPING PAD. PAD SHALL EXTEND 6" FROM EQUIPMENT IN ALL DIRECTIONS. PROVIDE LINESET COVER AND PAINT PER ARCHITECT
- ③ NEW 84" 3-BLADE ARCHITECTURAL CEILING FAN EQUAL TO "BIG ASS FAN" HAIKU-S4. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL PLANS. COORDINATE WITH ARCHITECT FOR COLOR SELECTION. PROVIDE WITH PREMIUM REMOTE CONTROL. COORDINATE WITH OWNER FOR REMOTE MOUNTING LOCATION.
- ④ (ALTERNATE 1) NEW SIDEWALL EXHAUST FANS. EF-1 TO BE MOUNTED AT 4' AFF. EF-2 TO BE MOUNTED AT 10' AFF.
- ⑤ PROVIDE DOOR SWITCH AT ROLL-UP DOOR. UNIT AC-1 SHALL TURN OFF WHEN DOOR IS OPENED.



MECHANICAL FLOOR PLAN - NEW WORK
SCALE: 1/8" = 1'-0"



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CITY OF OCALA

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M201
MECHANICAL FLOOR PLAN - NEW WORK

Project Number: 25032
Date: 09/25/2025
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PROJECT: 25032
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PLUMBING LEGEND

- PIPES:**
- EXISTING PIPING EQUIPMENT TO REMAIN
 - - - - - EXISTING PIPING EQUIPMENT TO BE REMOVED
 - CW — COLD WATER SUPPLY PIPING (COPPER)
- PIPE FITTINGS:**
- BACKFLOW PREVENTER
 - BALL VALVE
 - CAPPED PIPING
 - HOSE BIB WITH VACUUM BREAKER
 - PIPE TURNING DOWN
 - PIPE TURNING UP
 - CONNECTION SYMBOL:
VERIFY CONNECTION POINT & MAKE FINAL CONNECTION

ABBREVIATIONS

ABV	ABOVE	ID	INSIDE DIAMETER
AFV	ABOVE FINISHED FLOOR	IM	ICE MAKER
AFG	ABOVE FINISHED GRADE	IN	INCHES
AP	ACCESS PANEL	LB	POUND
BFP	BACKFLOW PREVENTER	LV	LAVATORY
BV	BALL VALVE	LVG	LEAVING
CTG	CLEANOUT TO GRADE	MS	MOP SINK
CO	CLEANOUT	NIC	NOT IN CONTRACT
CV	CHECK VALVE	NC	NORMALLY CLOSED
CW	COLD WATER	NO	NORMALLY OPEN
D	DRAIN	NOM	NOMINAL
DIA	DIAMETER	NTS	NOT TO SCALE
DN	DOWN	PVC	POLYVINYL CHLORIDE
DW	DISHWASHER	SAN	SANITARY
EA	EACH	SK	SINK
EX	EXISTING TO REMAIN	TP	TRAP PRIMER
F	DEGREES FAHRENHEIT	TYP	TYPICAL
FCO	FLOOR CLEANOUT	V	VENT
FD	FLOOR DRAIN	WC	WATER CLOSET
FPM	FEET PER MINUTE	WCO	WALL CLEANOUT
FS	FLOOR SINK	WH	WATER HEATER
FT	FEET	WHM	WATER HAMMER ARRESTOR
HB	HOSE BIBB	WM	WASHING MACHINE
HW	HOT WATER		

PLUMBING GENERAL NOTES

1. COORDINATE ALL PIPING WITH DUCTWORK SHOP DRAWINGS. ROUTE PIPING AS REQUIRED TO MISS DUCTS.
2. COORDINATE ALL BUILDING PLUMBING PIPING WITH SITE PIPING SYSTEMS PRIOR TO START OF ANY WORK.
3. FIELD VERIFY INVERTS PRIOR TO LAYING OUT SANITARY PIPING.
4. ALL VENTS-THRU-ROOF SHALL BE MINIMUM 15'-0" CLEAR FROM HVAC OUTSIDE AIR INTAKES.
5. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FLOOR DRAINS.
6. VERIFY ALL ELEVATIONS NOTED ON DRAWINGS WITH ACTUAL ELEVATIONS FOUND ON THE SITE AND WITH ELEVATIONS NOTED ON ARCHITECTURAL, STRUCTURAL AND CIVIL DRAWINGS PRIOR TO INSTALLING NEW WORK. FAILURE TO RESOLVE COORDINATION PROBLEMS PRIOR TO INSTALLING NEW WORK SHALL NOT BE CAUSE FOR ADDITIONAL COSTS. ENGINEER WILL RESOLVE ANY APPARENT DISCREPANCIES.
7. ALL PIPING PASSING THROUGH FIRE-RATED WALLS SHALL HAVE A FIRE-RATED SLEEVE.
8. PROVIDE CAST IRON PIPE IN FIRE RATED WALLS. VERIFY THESE FIRE RATED WALLS ON THE ARCHITECTURAL DRAWINGS. THE PIPE WILL BE CAST IRON THRU THE SLAB WITH CAST IRON FITTINGS.
9. ALL PIPING PASSING THROUGH MASONRY WALLS SHALL HAVE A SLEEVE.
10. ALL CONCRETE OPENINGS SHALL BE EITHER DRILLED OR SLEEVED PRIOR TO POUR OF CONCRETE. DO NOT HAMMER THRU CONCRETE BLOCK WALLS. WALL DAMAGE DONE BY OTHER MEANS BY THIS CONTRACTOR WILL BE REPAIRED TO THE ARCHITECT'S SATISFACTION AT THIS CONTRACTOR'S EXPENSE.
11. PROVIDE PIPE SLEEVES PER SPECIFICATIONS (AND IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE SECTION ON PIPING THROUGH FOUNDATION WALLS AND UNDER FOOTINGS) AT ALL LOCATIONS WHERE SANITARY DRAIN PIPING PASS THROUGH FOUNDATION WALLS BELOW FLOOR SLABS (STEM WALLS).
12. COORDINATE ALL BELOW GRADE PIPING WITH FOUNDATION DRAWINGS TO ENSURE PROPER DROPPED FOOTINGS. RELIEVING ARCHES AND/OR SLEEVES ARE INSTALLED.
13. PROTECT PIPING IN BLOCK WALLS OR CONCRETE FROM DAMAGE WITH EITHER PLASTIC SLEEVES OR ROOFING FELT. PROTECT PIPE IN EXTERIOR WALLS THAT ARE SUBJECT TO LARGE TEMPERATURE DIFFERENTIALS BY WRAPPING WITH ROOFING FELT. (FOR EXAMPLE: EXTERIOR DRINKING FOUNTAINS.)
14. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SEALING EXTERIOR PENETRATIONS.
15. PROVIDE ACCESS PANELS IN WALLS AND CEILINGS NOT OTHERWISE ACCESSIBLE THROUGH LAY-IN TYPE TILE CEILINGS TO MAINTAIN WATER HAMMER ARRESTERS, VALVES AND EQUIPMENT.
16. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES. REFER TO ARCHITECTURAL DRAWINGS FOR INSTALLATION DETAILS.
17. ALL WALL CLEANOUTS SHALL BE EXTENDED WITH PIPING FLUSH WITH WALL. THIS WILL BE UNDERSTOOD THAT THE RIM OF THE SCREWED PORTION OF THE CLEANOUT ADAPTOR IS FLUSH WITH THE WALL. THIS ARRANGEMENT WILL REQUIRE A RECESSED HEAD PLUG. SET ALL WALL CLEANOUTS ABOVE THE FLOOD-RIM LEVEL OF THE FIXTURE. A WALL CLEANOUT IS REQUIRED IN EVERY VERTICAL STACK.
18. PROVIDE CLEANOUTS AS FOLLOWS:
 - A. AT BASE OF EACH VERTICAL STACK INCLUDING BACKVENT (OR INDIVIDUAL VENTS).
 - B. AT EACH CHANGE OF DIRECTION OF HORIZONTAL RUN.
 - C. AT 50 FOOT INTERVALS OF HORIZONTAL RUNS.
19. ALL FLOOR DRAINS SHALL BE DEEP SEAL. NO EXCEPTIONS. PROVIDE TRAP PRIMER CONNECTION AND TRAP PRIMER VALVE FOR ALL FLOOR DRAINS EXCEPT THOSE NOTED OTHERWISE.
20. INDICATE TO GENERAL CONTRACTOR AREAS WITH FLOOR DRAINS SO THAT PROVISIONS CAN BE MADE IN THE FLOORING. PLUMBING CONTRACTOR SHALL VERIFY THAT ALL SLOPES WILL WORK WITH EXISTING FIELD CONDITIONS PRIOR TO CUTTING OF ANY FLOORING.
21. WATER PROOFING MEMBRANE WILL BE REQUIRED AT ALL LOWER LEVEL FLOORING PENETRATIONS. REVIEW DETAILS FOR THIS REQUIREMENT PRIOR TO THE START OF WORK. FOLLOW THE DIRECTIONS FOR INSTALLING THE PIPING PRODUCTS TO ALLOW INSTALLING OF SEALING MEMBRANE AT FLOOR PENETRATIONS. THE ACTUAL MEMBRANE SEALING IS NOT PART OF THE PLUMBING CONTRACTORS RESPONSIBILITIES. THE PLUMBING CONTRACTOR IS HOWEVER TO ASSIST AND COORDINATE WITH THE MEMBRANE INSTALLER TO ENSURE THE PLUMBING PORTION OF THE WORK WILL FUNCTION CORRECTLY. DO NOT DISTURB THE MEMBRANE AFTER IT IS INSTALLED. IF REPAIRS ARE REQUIRED, THAT THE MEMBRANES INTEGRITY HAS BEEN COMPROMISED, NOTIFY THE GENERAL CONTRACTOR WITH WRITTEN NOTIFICATION.
22. THE SPACE EQUAL TO THE WIDTH AND DEPTH OF PANELBOARDS AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 6'-0" MINIMUM ABOVE THE PANELBOARDS, OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER, SHALL BE DEDICATED TO THE ELECTRICAL PANELBOARD INSTALLATION. NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE ALLOWED TO BE LOCATED IN THIS DEDICATED SPACE.
23. IT IS THE RESPONSIBILITY OF PLUMBING CONTRACTOR TO COORDINATE WITH ALL PHASES WORK INDICATED IN ENTIRE CONSTRUCTION DOCUMENTS. DETAILS ON ALL SHEETS REFLECT CROSS DISCIPLINE ITEMS REQUIRING PRICING AND COORDINATION.
24. INSULATE ALL HOT & COLD DOMESTIC WATER PIPES WITH FIBERGLASS INSULATION OF R-VALUE PER FBC-ENERGY CONSERVATION TABLE C403.2.10.
25. PROVIDE LABEL (12PT HELVETICA) ON ACT GRID OR ACCESS PANEL FOR CW & HW VALVES ABOVE CEILINGS (INCLUDING FIXTURE GROUPINGS).
26. TAG ALL VALVES WITH APPROPRIATE NAME ON ENGRAVED PLASTIC. PERMANENTLY ATTACH THE TAG BY CHAIN OR GLUE.
27. **EXISTING CONDITIONS** - DOCUMENTATION INCLUDED HAS BEEN ACCUMULATED AND TRANSFERRED FROM PAST PROJECT DOCUMENTS. THE ARCHITECT AND ENGINEER DO NOT WARRANT THAT CONDITIONS INDICATED ON PLAN ARE COMPLETE "AS-BUILT" CONDITIONS AND REPRESENT GRAPHICALLY INFORMATION TRANSFERRED FROM PAST PROJECT DOCUMENTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY IN FIELD, DURING BIDDING PROCESS, EXISTING CONDITIONS, AND PROVIDE APPROPRIATE COST FOR A FULL AND COMPLETE BID FOR THE INTENT OF THE SCOPE OF WORK INDICATED IN CONSTRUCTION DOCUMENTATION.
28. CONTRACTOR IS RESPONSIBLE TO KEEP ALL AREAS CLEAN AND FREE OF DEBRIS.
29. CONTRACTOR SHALL PROVIDE AND INSTALL APPROPRIATE U.L. RATED SLEEVES FOR ALL WALL OR FLOOR/CEILING PENETRATIONS.
30. INDIRECT WASTE VENTS TO BE SEPARATE FROM BUILDING SANITARY VENTS.
31. DISTANCE FROM FIXTURE TRAP VENT SHALL NOT EXCEED THOSE LISTED FLORIDA BUILDING CODE - PLUMBING, TABLE 909.1.

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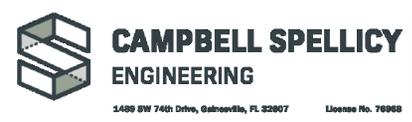
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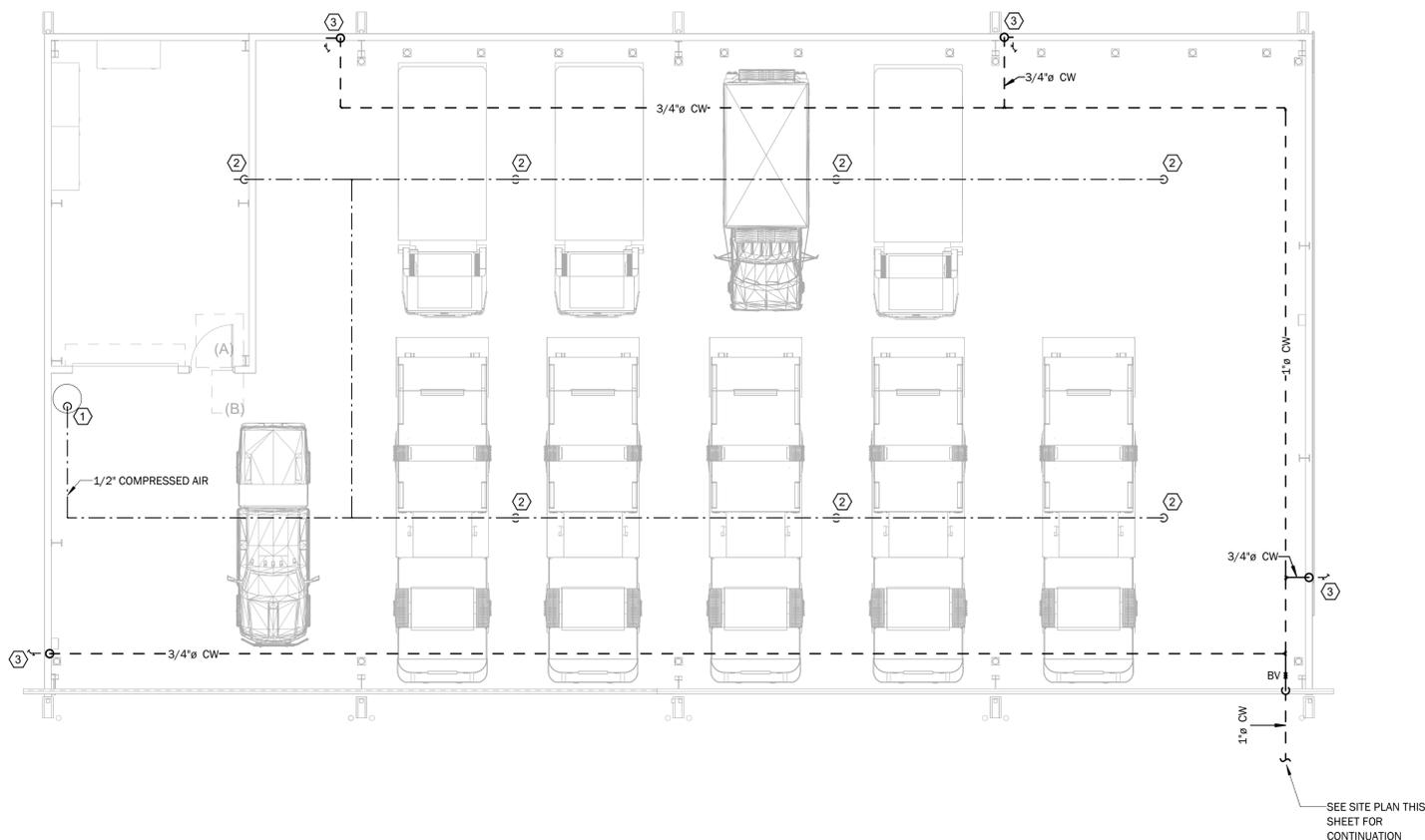
P001
 PLUMBING LEGEND, ABBREVIATIONS, NOTES, DETAILS, & SCHEDULES
 Project Number: 25032
 Date: 09/25/2025
 Drawn By: MEMA
 Checked By: KMS



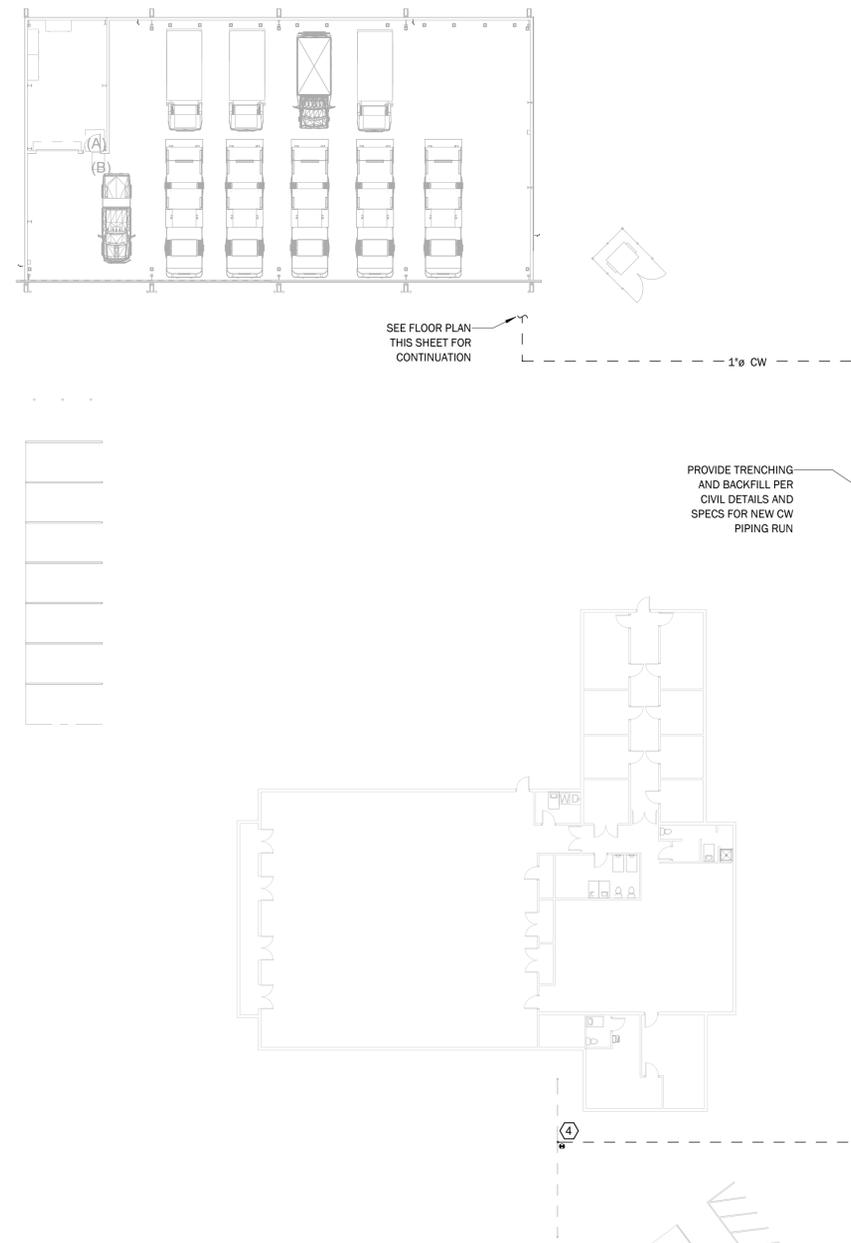
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SHEET NOTES:

- ① APPROXIMATE LOCATION OF NEW OWNER-PROVIDED AIR COMPRESSOR. FINAL LOCATION TO BE CONFIRMED.
- ② NEW 1/2" COMPRESSED AIR CONNECTION. PROVIDE WITH QUICK RELEASE CONNECTION. CONTRACTOR SHALL ENSURE THAT COMPRESSED AIR PIPING IS PROPERLY SUPPORTED. COORDINATE FINAL ELEVATION OF TERMINATION WITH OWNER TO PROVIDE CONNECTION ACCESS WITHOUT CONFLICTING WITH VEHICLES.
- ③ NEW 3/4" HOSE BIBB EQUAL TO ZURN 195XL. MOUNT EXTERIOR HOSE BIBBS IN RECESSED WALL BOX WITH COVER. PROVIDE ISOLATION BALL VALVE AT BRANCH PIPING DROP (INSIDE BUILDING) AT ACCESSIBLE HEIGHT OF APPROXIMATELY 6' AFF.
- ④ CONNECT NEW 1" CW PIPING TO EXISTING 2" CW MAIN SERVING EXISTING BUILDING. MAKE FINAL CONNECTION DOWNSTREAM OF EXISTING METER AND BACKFLOW PREVENTER.



PLUMBING FLOOR PLAN - DOMESTIC WATER AND COMPRESSED AIR
SCALE: 1/8" = 1'-0"



PLUMBING SITE PLAN - DOMESTIC WATER CONNECTION
SCALE: 1" = 20'-0"



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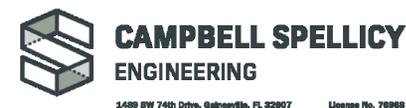
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PLUMBING FLOOR PLAN - DOMESTIC WATER AND COMPRESSED AIR

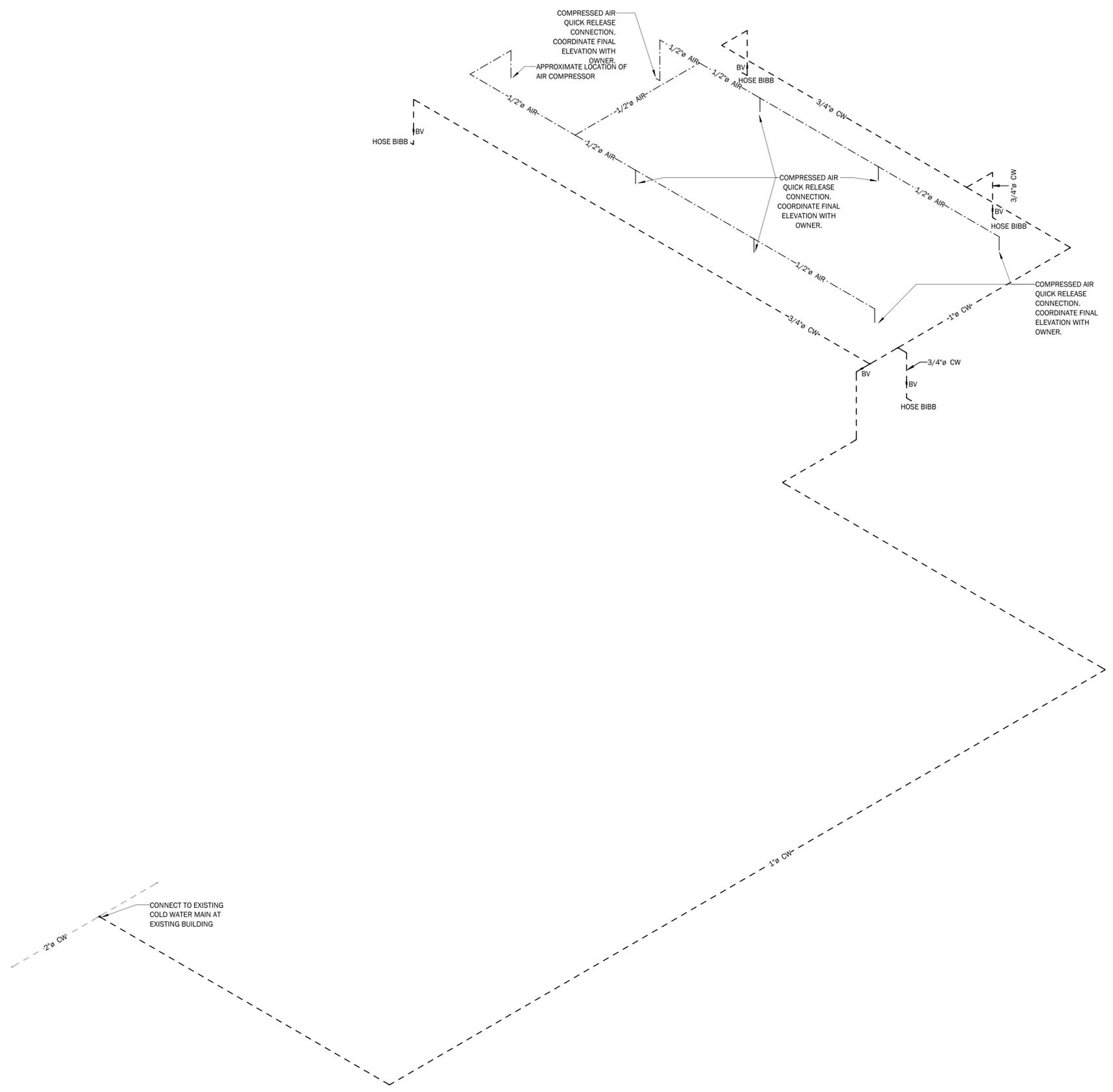
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① **RISER DIAGRAM - DOMESTIC WATER AND COMPRESSED AIR**
NOT TO SCALE



PROJECT: 25032
PERMIT DOCUMENTS



Campbell Spellicy Engineering, Inc.
1489 SW 74th Dr.
Gainesville, FL 32607
PHONE: (352) 372-6967
www.campbellspellicy.com

REVISIONS

FIRE STATION 07 APPARATUS STORAGE

CITY OF OCALA
885 SE 31ST ST, OCALA, FL 34471

DESIGN PHASE:
PERMIT DOCUMENTS

P301
PLUMBING RISER DIAGRAMS

Project Number: 25032
Date: 10/10/2025
Drawn By: HTK
Checked By: KMS

GENERAL REQUIREMENTS

- CODE COMPLIANCE:**
 - DESIGN - TO THE BEST OF THE ENGINEER'S KNOWLEDGE, PLANS AND SPECIFICATIONS SHALL COMPLY WITH FLORIDA BUILDING CODE - BUILDING 2023, 8TH EDITION AND APPLICABLE MINIMUM BUILDING CODES AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH FLORIDA BUILDING CODE AND CHAPTER 633, FLORIDA STATUTES.
 - CONSTRUCTION - ALL CONSTRUCTION SHALL COMPLY WITH FLORIDA BUILDING CODE - BUILDING 2023, 8TH EDITION AND ANY APPLICABLE LOCAL ORDINANCES AND REGULATIONS.
- STRUCTURE:** SIGNING AND SEALING DRAWINGS BY WSE CERTIFIES ONLY THE STRUCTURAL SYSTEMS FOR THIS STRUCTURE AND IS NOT A CERTIFICATION OF ANY CIVIL/SITE WORK, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING OR OTHER SYSTEMS.
- CONTRACT DOCUMENTS:**
 - STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE PROPERTY OF WSE AND SHALL NOT BE REPRODUCED, REUSED OR ALTERED UNLESS SPECIFICALLY ALLOWED BY WSE.
 - STRUCTURAL DRAWINGS AND SPECIFICATIONS SHALL BE USED IN CONJUNCTION WITH DRAWINGS AND SPECIFICATIONS BY OTHER DISCIPLINES.
- CONSTRUCTION RESPONSIBILITIES:**
 - WSE HAS NO CONSTRUCTION PHASE SUPERVISORY RESPONSIBILITIES. CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, PROCEDURES, TECHNIQUES, SEQUENCES, INCLUDING TEMPORARY SHORING AND/OR BRACING. CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND COMPLIANCE WITH APPLICABLE OSHA REGULATIONS.
 - CONSTRUCTION PHASE OBSERVATION VISITS BY WSE DO NOT INCLUDE INSPECTIONS OF MATERIALS, SAFETY PROCEDURES, OR CONSTRUCTION PROCEDURES. THESE OBSERVATION VISITS SHALL NOT BE CONSIDERED A REPLACEMENT FOR SPECIFIED MATERIAL INSPECTION AND TESTING.
- TESTING AND INSPECTION:** REFER TO INDIVIDUAL SPECIFICATION SECTIONS FOR ITEMS REQUIRING TESTING AND INSPECTION. CONTRACTOR SHALL COMPLY WITH AND ACCOMMODATE LOCAL TESTING AND INSPECTION REQUIREMENTS.

GENERAL NOTES FOR ENGINEERED METAL BUILDINGS

- CODE COMPLIANCE:** ENGINEERED METAL BUILDING CONSTRUCTION SHALL COMPLY WITH FLORIDA BUILDING CODE 2023, 8TH EDITION AND ANY APPLICABLE LOCAL ORDINANCES AND REGULATIONS.
- DESIGN RESPONSIBILITIES:** METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE DESIGN, FABRICATION AND PERFORMANCE OF THE METAL BUILDING DOWN TO THE BOTTOM OF COLUMN BASE PLATES. SIGNING AND SEALING OF THIS DOCUMENT BY WSE CERTIFIES ONLY THE ATTACHMENT OF METAL BUILDING TO THE FOUNDATION, THE FOUNDATION DESIGN, AND OTHER STRUCTURAL DETAILS SHOWN ON DRAWINGS AND IS NOT A CERTIFICATION OF OR ACCEPTANCE OF RESPONSIBILITY FOR DESIGN OR PERFORMANCE OF ENGINEERED METAL BUILDING SYSTEM.
- DESIGN LOADS:** ENGINEERED METAL BUILDING SYSTEMS, COMPONENTS AND CLADDING SHALL BE DESIGNED TO SAFELY SUPPORT ALL APPLICABLE LOADS AND LOAD COMBINATIONS AS SPECIFIED IN ASCE 7-22 AND AS DESCRIBED BELOW.

BASIC WIND SPEED:	130 MPH
BUILDING RISK CATEGORY:	II
EXPOSURE CATEGORY:	B
- FOUNDATION DESIGN:** THIS FOUNDATION IS LAID OUT AND SIZED BASED ON AN APPROXIMATE STRUCTURAL DESIGN AND MUST BE VERIFIED PRIOR TO FOUNDATION CONSTRUCTION. ENGINEERED METAL BUILDING MANUFACTURER/ENGINEER SHALL SUBMIT COMPLETE ENGINEERING AND CONSTRUCTION DRAWINGS OF METAL BUILDING, INCLUDING COLUMN REACTIONS FOR THE PURPOSE OF VERIFYING FOUNDATION DESIGN PRIOR TO BEGINNING FOUNDATION WORK. FOUNDATION ENGINEER SHALL THEN REVIEW METAL BUILDING ENGINEERING AND ISSUE MODIFICATIONS TO FOUNDATION DESIGN IF REQUIRED BASED ON ACTUAL BUILDING ENGINEERING.
- REFER TO METAL BUILDING MANUFACTURER'S DRAWINGS FOR EXACT LOCATION, ORIENTATION, AND SIZE OF ANCHOR RODS AND BASE PLATES. ANCHOR RODS ARE TO BE ASTM F 1554, MINIMUM 36 KSI YIELD STRENGTH. 1" & 3/4" DIAMETER RODS ARE TO HAVE 16 INCH EMBEDMENT, 5/8" & 1/2" DIAMETER RODS ARE TO HAVE 8 INCH EMBEDMENT.
- REFER TO CIVIL/SITE DRAWINGS FOR FINISH FLOOR ELEVATION AND EXTERIOR CONCRETE WALKS AND SLABS.
- INCLUDE IN THE DESIGN A COLLATERAL LOAD OF 8 PSF FOR SPRINKLERED BUILDINGS.
- DRIFT AND DEFLECTION LIMITS:** LIMIT DRIFT AND DEFLECTION OF BUILDING FRAMES AND COMPONENTS AS DESCRIBED IN TABLE BELOW FOR THREE CASES. CASE 1 - NO INTERIOR WALL OR CEILING FINISHES. CASE 2 - WITH INTERIOR WALL OR CEILING FINISHES. CASE 3 - WITH PLASTER CEILINGS OR OTHER BRITTLE FINISHES. *BASED ON 50 YEAR MEAN RECURRENCE INTERVAL.

	CASE 1	CASE 2	CASE 3
DRIFT:	H/200	H/400	H/400
VERTICAL DEFLECTION:			
LIVE LOAD	L/180	L/240	L/360
TOTAL LOAD	L/120	L/180	L/240
HORIZONTAL DEFLECTION:	L/120	L/240	L/240
- PERMANENT BUILDING BRACING MAY BE INSUFFICIENT DURING ERECTION. DESIGN AND PROVIDE TEMPORARY LATERAL BRACING DURING CONSTRUCTION UNTIL PERMANENT BRACING IS IN PLACE.**

31 00 00 EARTHWORK

- GEOTECHNICAL REPORT:** SOIL BORINGS AND A GEOTECHNICAL REPORT HAVE BEEN PREPARED FOR THIS SITE BY:

GEOTECH, INC
1016 SE 3RD AVENUE OCALA, FL 3471
CRAIG AUSTIN HAMPY, P.E. #93240
DATED: AUGUST 14, 2025

CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE PROJECT OWNER. RECOMMENDATIONS OUTLINED IN THE REPORT SHALL BE CONSIDERED PART OF THE CONTRACT FOR WORK FOR THIS PROJECT AND SHALL BE FOLLOWED EXACTLY. SPECIFICATIONS OUTLINED BELOW APPLY TO THE BUILDING ONLY AND ARE SUMMARIES OF RECOMMENDATIONS IN GEOTECHNICAL REPORT. FOR EARTHWORK OUTSIDE THE BUILDING LIMITS, REFER TO SITE/CIVIL CONTRACT DOCUMENTS.

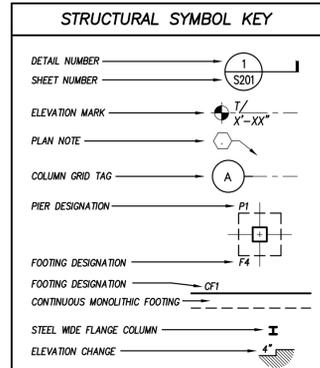
 - BEARING SOIL:** BASED ON BORINGS IN GEOTECHNICAL REPORT, SOILS ENCOUNTERED ARE VERY LOOSE TO MEDIUM DENSE FINE SAND, LOOSE TO MEDIUM DENSE CLAYEY SAND, AND STIFF TO VERY STIFF SANDY CLAY. CLAYEY SOILS ARE NOT SUITABLE FOR CONVENTIONAL FOUNDATIONS. A SEPARATION OF AT LEAST 2 FEET SHALL BE MAINTAINED BETWEEN BOTTOM OF FOOTINGS AND SLABS AND TOP OF CLAYEY MATERIAL. THIS SHALL BE ACHIEVED BY EXCAVATION OF UNSUITABLE MATERIAL AND REPLACEMENT WITH SUITABLE STRUCTURAL FILL, RAISING FOUNDATIONS TO PROVIDE ADEQUATE SEPARATION, OR A COMBINATION OF THE TWO.
 - ALLOWABLE DESIGN BEARING CAPACITY:** 2,000 PSF.
 - FOOTING BEARING:** FOOTINGS ARE TO BEAR ON SUITABLE EXISTING SOILS OR PREPARED STRUCTURAL FILL. EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 24 INCHES BELOW ADJACENT GRADE. INTERIOR FOOTINGS SHALL BEAR AT LEAST 18 INCHES.
 - GROUND/SURFACE WATER CONTROL:** GROUNDWATER WAS NOT ENCOUNTERED AT THE TIME OF EXPLORATION. THIS DEPTH MAY FLUCTUATE DEPENDING ON THE SEASON. EXCAVATION AND BACKFILL OPERATIONS ARE TO BE MAINTAINED IN A DRY CONDITION. SLOPE OR CROWN EXPOSED BUILDING SUBGRADES TO PROMOTE RUN-OFF AND PREVENT PONDING. SURFACE AND INFILTRATING WATER ARE TO BE REMOVED BY GRADING AND PUMPING FROM SUMPS AS REQUIRED.
 - SITE PREPARATION:** STRIP AND GRUB ALL TREES, ROOTS, GRASSES, VEGETATION, TOPSOIL, MUCK, ORGANICS, DEBRIS, PAVEMENTS AND OTHER DELETERIOUS MATERIALS TO 10 FEET BEYOND BUILDING LIMITS.
 - PROOF-ROLLING:** COMPACT SUBGRADE UNTIL 95 PERCENT OF MAXIMUM DRY DENSITY IS ACHIEVED PER MODIFIED PROCTOR TEST (ASTM D 1557) TO A DEPTH OF 2 FEET BELOW GRADE. PROVIDE MINIMUM 10 PASSES WITH MINIMUM 30 PERCENT OVERLAP.
 - EXCAVATION:** TEMPORARY EXCAVATIONS ARE TO BE SLOPED AND/OR BRACED IN COMPLIANCE WITH CURRENT LOCAL, STATE, FEDERAL AND OSHA REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR EXCAVATION SAFETY.
 - BACKFILL & COMPACTION:** COMPACT ALL EXCAVATION BOTTOMS TO 95 PERCENT OF MAXIMUM DRY DENSITY PER MODIFIED PROCTOR TEST (ASTM D 1557) TO A DEPTH OF 12 INCHES BELOW GRADE. USE ONLY STRUCTURAL FILL WITHIN BUILDING FOOTPRINT AND FOR ALL SLAB SUBGRADES. USE ONLY WELL GRADED SAND WITH 3 TO 12 PERCENT PASSING #200 SIEVE. PLACE BACKFILL IN MAXIMUM 12 INCH LOOSE LIFTS. USE 6 INCH LOOSE LIFTS WHEN FILL IS COMPACTED WITH WALK-BEHIND PLATE TAMPER. MOISTURE CONDITION AS REQUIRED AND COMPACT TO 98 PERCENT OF MAXIMUM DRY DENSITY PER MODIFIED PROCTOR TEST (ASTM D 1557).
 - UTILITY TRENCHES:** UTILITY TRENCHES WITHIN THE BUILDING FOOTPRINT SHALL BE BACKFILLED AND COMPACTED TO THE SAME REQUIREMENTS AS FOR THE REST OF THE BUILDING.
 - SLAB SUBGRADE TOLERANCE:** TOP SURFACE OF SLAB SUBGRADE IS TO BE GRADED TO A TOLERANCE OF +0" TO -1/2".
 - PEST CONTROL:** TREAT ALL SLAB SUBGRADES FOR TERMITES PRIOR TO SLAB INSTALLATION. OBTAIN CERTIFICATE OF TREATMENT FOR BUILDING INSPECTOR.
 - EXTERIOR GRADING:** SLOPE EXTERIOR GRADE AWAY FROM BUILDING TO PROMOTE DRAINAGE.
 - TESTING & INSPECTION:** ALL EARTHWORK OPERATIONS ARE TO BE MONITORED, TESTED AND ACCEPTED BY GEOTECHNICAL ENGINEER OF RECORD, INCLUDING PROOF-ROLLING, PROOF-COMPACTION, PROBING, EXCAVATION, BACKFILL AND COMPACTION. REPORT RESULTS TO ARCHITECT, ENGINEER, OWNER AND CONTRACTOR.

03 31 00 STRUCTURAL CONCRETE

- GENERAL:** ALL CONCRETE CONSTRUCTION SHALL COMPLY WITH FLORIDA BUILDING CODE, CHAPTER 19, AND THE CURRENTLY ADOPTED EDITION OF THE FOLLOWING ACI STANDARDS:
 - ACI 211.1 "SELECTING MIX PROPORTIONS"
 - ACI 301 "SPECIFICATION FOR STRUCTURAL CONCRETE"
 - ACI 304 "MEASURING, MIXING, TRANSPORTING, PLACING"
 - ACI 305 "HOT WEATHER CONCRETING"
 - ACI 306 "COLD WEATHER CONCRETING"
 - ACI 315 "REINFORCING DETAILING AND PLACEMENT"
 - ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
- CONCRETE MIXES:** ALL CONCRETE MIXES SHALL BE NORMAL WEIGHT (140-150 PCF) UNLESS OTHERWISE NOTED. PROVIDE MIXES DESIGNED TO MEET THE FOLLOWING CRITERIA FOR VARIOUS ELEMENTS IN THE STRUCTURE:

ELEMENT	MINIMUM CEMENTITIOUS CONTENT (LB/CU. YD)	MAX. W/C RATIO	28 DAY COMPRESSIVE STRENGTH (PSI)	MAXIMUM AGGREGATE SIZE (INCHES)
SLABS & FOOTINGS	520	0.50	3,000	1

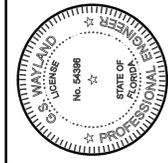
 - AIR ENTRAINMENT: ACI 301 TABLE 4.2.2.7(b) EXPOSURE CLASS FO DOES NOT REQUIRE AIR ENTRAINMENT.
 - PORTLAND CEMENT: ASTM C 150, TYPE 1.
 - FLY ASH: (OPTIONAL) ASTM C 618, CLASS C OR F, WHEN USED QUANTITY SHALL BE NOT LESS THAN 15% AND NOT MORE THAN 25%.
 - AGGREGATES: ASTM C33.
 - WATER: ASTM C896 CLEAN & POTABLE.
 - ADMITTURES: WATER REDUCING AND AIR ENTRAINING AGENTS SHALL BE USED. HIGH RANGE WATER REDUCING AGENTS (SUPERPLASTICIZERS) MAY BE USED AT CONTRACTOR OPTION. DO NOT USE ADMIXTURES CONTAINING CHLORIDES.
- REINFORCING STEEL:** ASTM A 615, GRADE 60, DEFORMED BARS.
 - SEE LAP & BEND SCHEDULE FOR LAP & BEND LENGTHS.
 - BAR CORNERS: IN CONTACT WITH GROUND 3" EXPOSED TO WEATHER 2"
 - PROVIDE CORNER BARS OR 90 DEGREE BEND AT ALL CORNERS.
 - SUPPORT ON CHAIRS OR BOLSTERS.
- WELDED WIRE REINFORCING (W.W.R.)** ASTM A 1064, 65,000 PSI YIELD STRENGTH.
 - REFER TO DRAWINGS FOR W.W.R. SIZE AND DIAMETER.
 - USE FLAT SHEETS ONLY.
 - LAP W.W.R. MINIMUM 10 INCHES.
 - SUPPORT W.W.R. ON CHAIRS SPACED 3'-0" O.C. EACH WAY.
- CURING:** USE SPRAYED-ON MEMBRANE CURING COMPOUND ON SLABS, ASTM C 309, TYPE 1, SOLVENT FREE, OR PROVIDE CONTINUOUS WATER SPRINKLING FOR MINIMUM 7 DAYS.
 - CURING COMPOUND: ASTM C 309, TYPE 1, SOLVENT FREE.
 - ENSURE COMPATIBILITY WITH FLOORING ADHESIVES.
- SLAB CONTRACTION JOINT FILLER:** "SIKADUR 51 SL" EPOXY RESIN JOINT FILLER BY SIKA CORP. OR EQUIVALENT. USE ON SLABS-ON-GRADE WHERE JOINTS ARE EXPOSED TO VIEW ONLY.
- SLAB JOINTS:** SAW-CUT SLABS ON GRADE AT LOCATIONS SHOWN ON PLANS, OTHERWISE SAW-CUT IN ROUGHLY 10 FOOT SQUARES. SAW-CUT WITHIN 4 TO 12 HOURS OF FINISHING SLAB.
- SLAB CRACKING:** AS CONCRETE SLABS-ON-GRADE CURE AND DRY OUT THEY WILL SHRINK CAUSING CRACKS TO FORM ON THE SURFACE OF THE SLAB. W.W.R. IS INSTALLED TO HELP LIMIT THE WIDTH OF CRACKS THAT FORM. REPAIR CRACKS OVER 1/8" WIDE THAT DO FORM BY ROUTING AND PLACEMENT OF "SIKADUR 35, HI-MOD LV" EPOXY RESIN ADHESIVE BY SIKA CORP. OR EQUIVALENT.
- CONCRETE FORMWORK:**
 - DESIGN, ERECT, SUPPORT, BRACE AND MAINTAIN ALL FORMWORK AS RECOMMENDED BY ACI 347 "RECOMMENDED STANDARD PRACTICE FOR CONCRETE FORMWORK."
 - CONTRACTOR IS RESPONSIBLE FOR DESIGN, CONSTRUCTION AND SAFETY OF ALL FORMWORK. ALL FORMS, SHORES, AND BRACING SHALL BE ENGINEERED TO SUPPORT ALL LOADS IMPOSED INCLUDING WET CONCRETE, EQUIPMENT, LIVE LOADS, LATERAL LOADS DUE TO WIND AND CONCRETE IMBALANCE.
 - PROVIDE "SMOOTH FORM" FINISH FOR ALL CONCRETE EXPOSED TO PUBLIC VIEW.
- TOLERANCES:** TOLERANCES FOR CONCRETE CONSTRUCTION SHALL BE IN SLAB LEVELNESS AND FLATNESS SHALL BE ACCORDANCE WITH ACI 117. SLAB LEVELNESS SHALL BE "CONVENTIONAL STRAIGHTEDGE." CONTRACTOR SHALL MAKE EVERY EFFORT TO REDUCE SHRINKAGE AND CURLING OF SLABS BY SELECTING APPROPRIATE MIX DESIGN AND ADOPTING APPROPRIATE PLACEMENT, FINISHING AND CURING METHODS. CONTRACTOR SHALL CORRECT SLABS THAT DO NOT MEET REQUIRED TOLERANCES BY FLASH PATCHING OR GRINDING AS APPROPRIATE.
- HOT & COLD WEATHER PROTECTION:**
 - INSTITUTE HOT WEATHER PROTECTION PROCEDURES WHEN TEMPERATURE EXCEEDS 90° F.
 - INSTITUTE COLD WEATHER PROTECTION PROCEDURES WHEN TEMPERATURES ARE BELOW 40° F.
- TESTING & INSPECTION:** INSPECT/TEST THE FOLLOWING ITEMS:
 - INSPECT ALL REINFORCING FOR GRADE, SIZE AND PLACEMENT PRIOR TO CONCRETE PLACEMENT.



STRUCTURAL ABBREVIATIONS			
#	NUMBER	FV	ALLOWABLE SHEAR STRENGTH
&	AND	FY	STEEL YIELD STRENGTH
⊙	AT	FD	FLOOR DRAIN
A/C	AIR CONDITIONING	FDN	FOUNDATION
A/E	ARCHITECT/ENGINEER	FFE	FINISH FLOOR ELEVATION
AESS	ARCHITECTURALLY EXPOSED	FLR	FLOOR
AFF	ABOVE FINISH FLOOR	FRT	FIRE RETARDANT TREATED
AHU	AIR HANDLING UNIT	FT	FEET, FOOT
ALT	ALTERNATE	FTG	FOOTING
ALUM	ALUMINUM	FAR	FAR SIDE
AMT	AMOUNT	GA	GAUGE
APPROX	APPROXIMATELY	GALV	GALVANIZED
ARCH	ARCHITECTURAL	GEN	GENERAL
ASSY	ASSEMBLY	GT	GIRDER TRUSS
AVG	AVERAGE	GT2	GIRDER TRUSS (2 PLY)
BM	BEAM	HDR	HOT DIP GALVANIZED
BOT	BOTTOM	HDR	HEADER
B/O	BOTTOM OF	HGR	HANGER
BLDG	BUILDING	HORIZ	HORIZONTAL
BLKG	BLOCKING	HT	HEIGHT
BRG	BRIDGING	ID	INSIDE DIAMETER
BRG	BEARING	IF	INSIDE FACE
BS	BOTH SIDES	IN	INCHES
CC	CENTER TO CENTER	INFO	INFORMATION
CF	CUBIC FEET	INT	INTERIOR
CFMF	COLD FORMED STEEL FRAMING	JNT	JOINT
CIP	CAST IN PLACE	K	KIPS (1000 LBS)
CJ	CONSTRUCTION JOINT	KD	KILN DRIED
CL	CENTERLINE	KO	KNOCK OUT
CLR	CLEAR	KSF	KIPS PER SQUARE FOOT
CMU	CONCRETE MASONRY UNIT	KL	KIPS PER SQUARE INCH
COL	COLUMN	L	STEEL ANGLE, LENGTH
CONC	CONCRETE	LBS	POUNDS
CONX	CONNECTION	LF	LINEAR FEET
CONT	CONTINUOUS	LONG	LONG
CTR	CENTER	LLH	LONG LEG HORIZONTAL
CY	CUBIC YARD	LLV	LONG LEG VERTICAL
DBL	DOUBLE	LSL	LONG SLOTTED
DEG	DEGREE	LONG	LONGITUDINAL
DET	DETAIL	LVL	LAMINATED VENEER LUMBER
DIA	DIAMETER	LW	LONG WAY, LIGHTWEIGHT
DIM	DIMENSION	MFR	MANUFACTURER
DN	DOWN	MAS	MASONRY
DO	DITTO	MATL	MATERIAL
DWG	DRAWING	MAX	MAXIMUM
DWL	DOWEL	MECH	MECHANICAL
E	MODULUS OF ELASTICITY	MIN	MINIMUM
EA	EACH	MISC	MISCELLANEOUS
EF	EACH FACE	MO	MASONRY OPENING
EL	EXPANSION JOINT	MTL	METAL
EL	ELEVATION	NIC	NOT IN CONTRACT
ENGR	ENGINEER	NL	NUMBER
EOD	EDGE OF DECK	NOM	NOMINAL
EOS	EDGE OF SLAB	NTS	NOT TO SCALE
EO	EQUAL	NS	NEAR SIDE
EQUIP	EQUIPMENT	OC	ON CENTER
EXST	EXISTING	OD	OUTSIDE DIAMETER
EXP	EXPANSION	OS	OUTSIDE FACE
EW	EACH WAY	OF	OUTSIDE FACE
EXT	EXTERIOR	OPNG	OPENING
Fc	CONCRETE COMPRESSIVE STRENGTH	OP	OPENING
Fm	MASONRY COMPRESSIVE STRENGTH	OSB	ORIENTED STRAND BOARD
Fb	ALLOWABLE WOOD BENDING STRENGTH	OVS	OVERSIZED
		PAF	POWDER ACTUATED FASTENER
		PC	POUNDS PER CUBIC FOOT
		PCF	POUNDS PER CUBIC FOOT
		PERP	PERPENDICULAR
		PL	PLATE
		PNL	PANEL
		PREFAB	PREFABRICATED
		PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
		PSL	PARALLEL STRAND LUMBER
		PT	PRESERVATIVE TREATED
		QTY	QUANTITY
		RAD	RADIUS
		RD	ROOF DRAIN
		REF	REFERENCE
		REINF	REINFORCEMENT
		REQD	REQUIRED
		RET	REINFORCING
		REV	REVISION
		RTU	ROOF TOP UNIT
		SCHED	SCHEDULE
		SECT	SECTION
		SF	SQUARE FEET
		SIM	SIMILAR
		SOP	SLAB ON GRADE
		SP	SOUTHERN PINE
		SPA	SPACE
		SPEC	SPECIFICATION
		SPF	SPRUCE-PINE-FIR
		SQ	SQUARE
		SS	STAINLESS STEEL
		SSL	SHORT SLOTTED
		STD	STANDARD
		STL	STEEL
		STRUCT	STRUCTURAL
		SW	SHORT WAY
		SYM	SYMBOL, SYMMETRICAL
		T&B	TOP & BOTTOM
		T&G	TONGUE & GROOVE
		T/O	TOP OF
		TOP	TOP OF
		T&C	TOP OF CONCRETE
		TOJ	TOP OF JOIST
		TOW	TOP OF WALL
		TEMP	TEMPERATURE
		THK	THICK
		THRD	THREADED
		TPL	TRIPLE
		TRANS	TRANSVERSE
		TRYS	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
		VERT	VERTICAL
		VOL	VOLUME
		W/	WITH
		W/O	WITHOUT
		W	WIDE FLANGE SHAPE
		WST	WATERSTOP
		WVF	WELDED WIRE FABRIC
		XS	EXTRA STRONG
		XXS	DOUBLE EXTRA STRONG
		YD	YARD

Drawing Status:	Permit Documents
Rev. No.:	
Date:	

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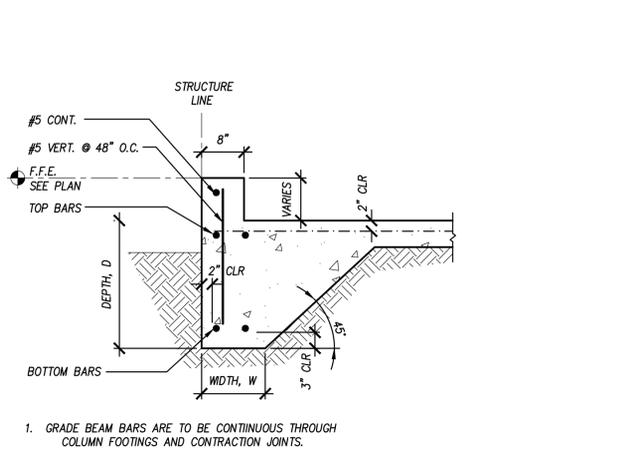


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Client: **City of Ocala**
Project Name: **Fire Station 07 Apparatus Storage 885 SE 31st Street Ocala, FL 34471**
Drawing Name: **Structural Notes**

Drawn by: **GS WAYLAND**
Date: **OCTOBER 10, 2025**
WSE Project No.: **25015**

Drawing No. **S101**



SLAB SCHEDULE			
MARK	THICKNESS	REINFORCING	YIELD STRENGTH
S-1	4"	6x6-W1.4xW1.4 W.W.M.	80 KSI
S-2	8"	12x12-W16xW16 W.W.M. OR #4 @10" O.C.	80 KSI

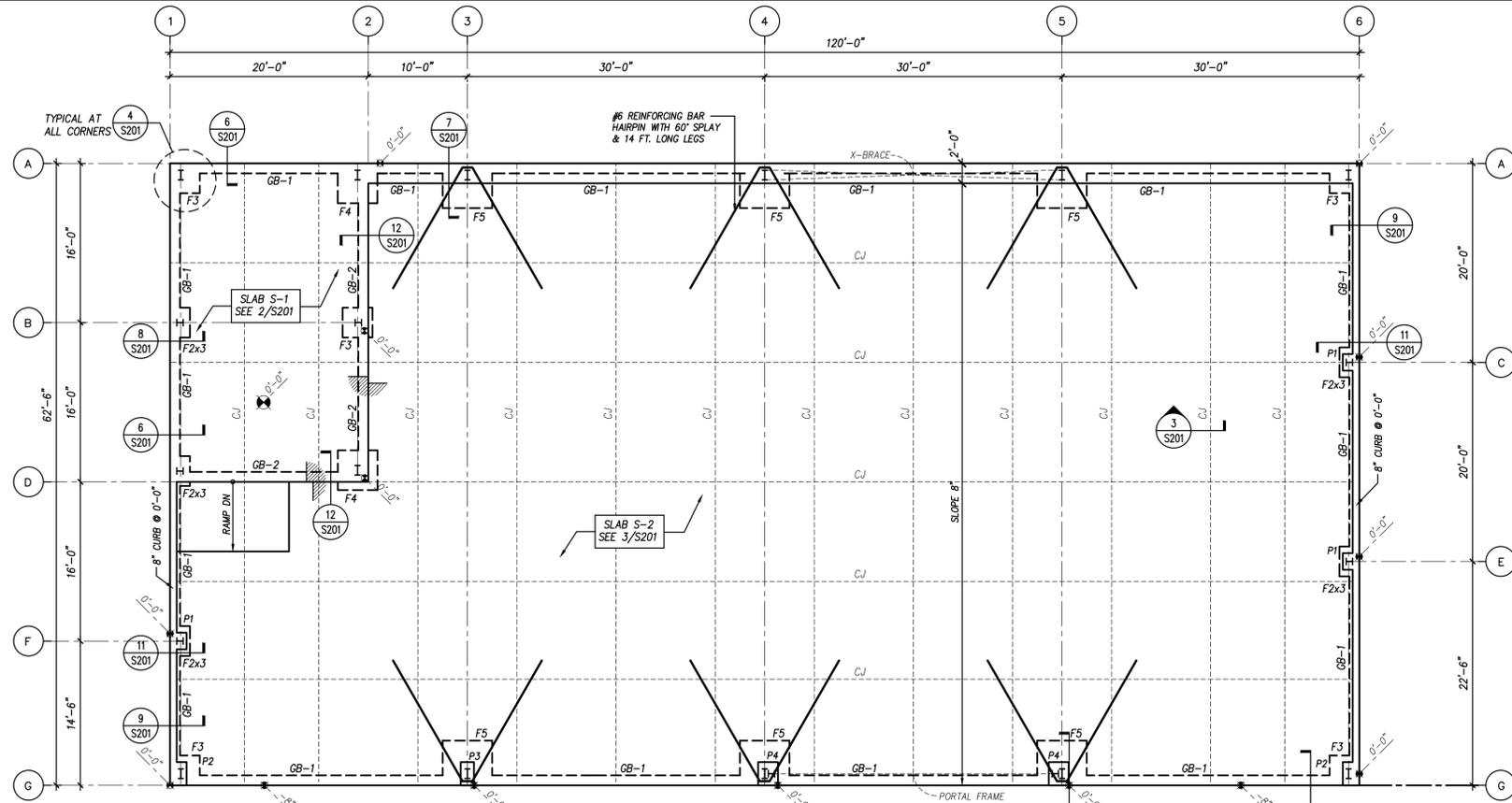
GRADE BEAM SCHEDULE				
MARK	WIDTH, W	DEPTH, D	REINFORCING	
			BOTTOM	TOP
GB-1	12"	24"	(2) #6	(2) #6
GB-2	12"	18"	(2) #5	(2) #5

PIER SCHEDULE			
MARK	SIZE	REINFORCEMENT	
		VERTICAL	TIES
P1	20" x 20"	(4) #5	(2) #3
P2	20 x 28	(6) #5	(2) #3
P3	16 x 28	(6) #5	(2) #3
P4	24" x 28"	(6) #5	(2) #3

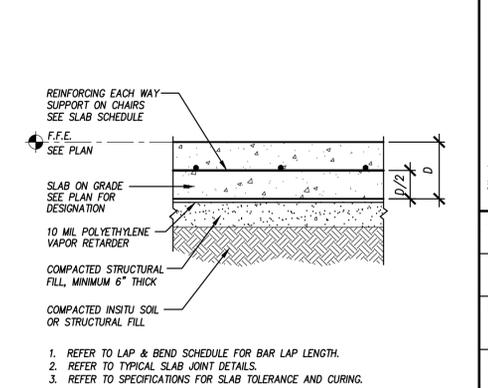
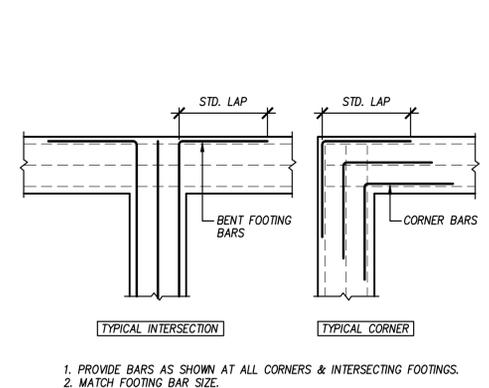
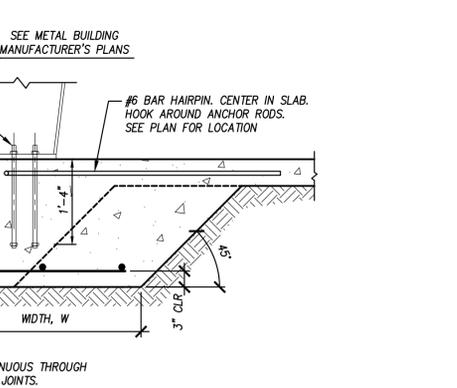
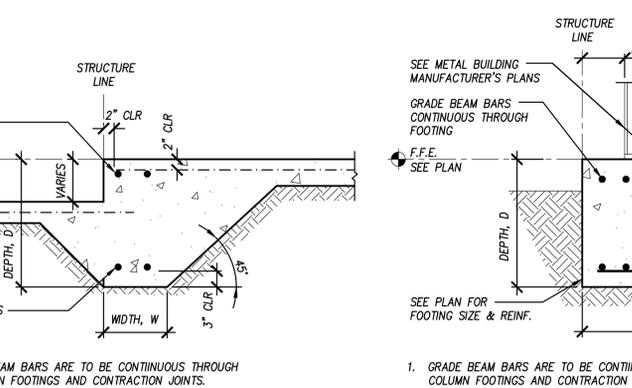
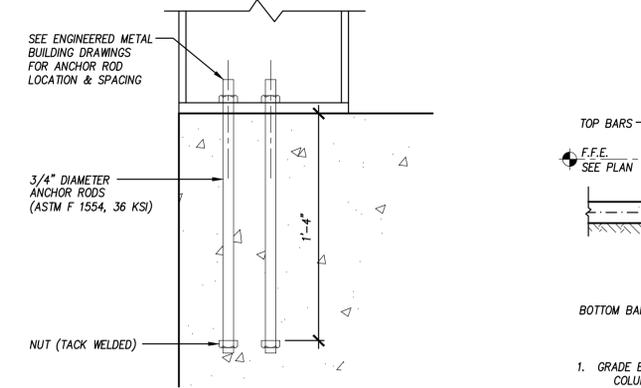
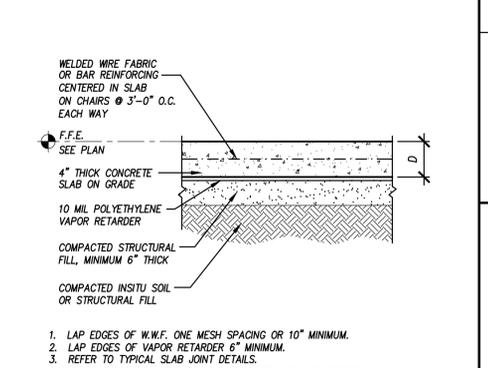
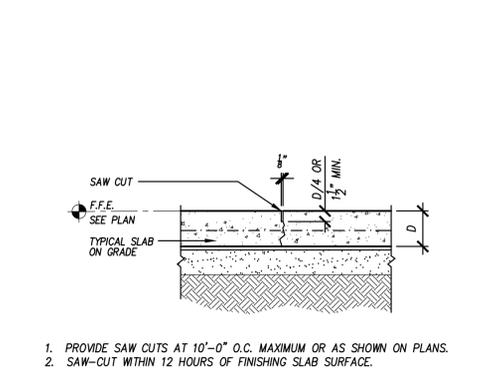
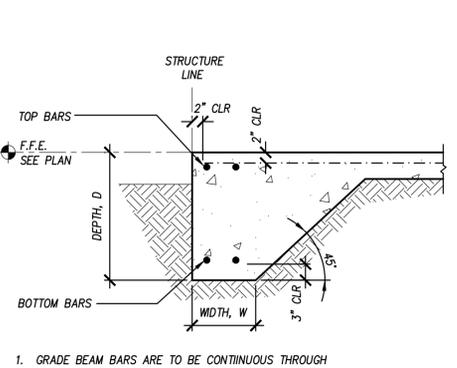
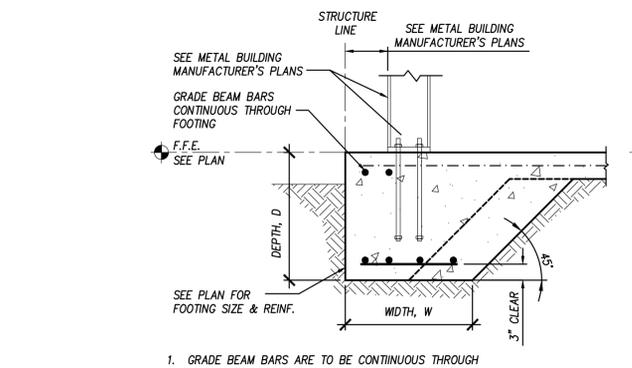
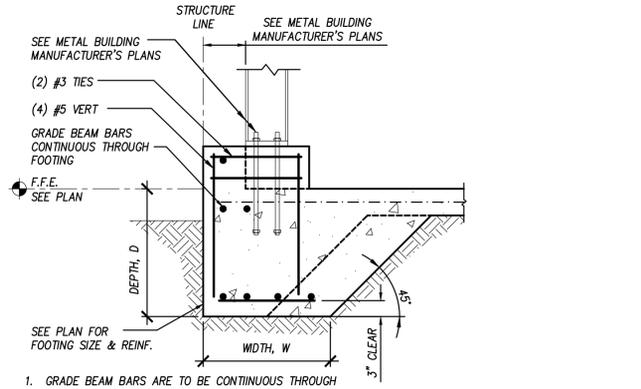
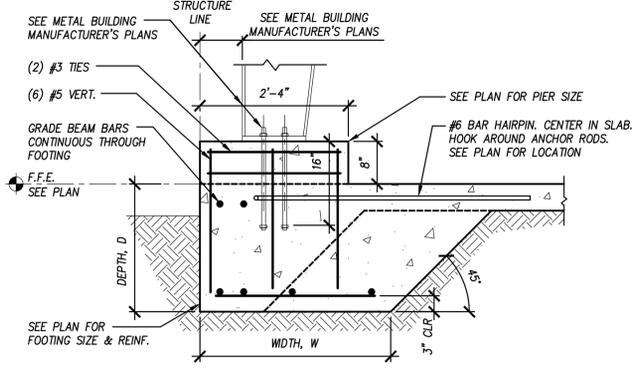
FOOTING SCHEDULE		
MARK	SIZE	REINF.
F2x3	2'-0 x 3'-0 x 24"	(4) #5 S.W., (2) #5 L.W.
F3	3'-0 x 3'-0 x 24"	(4) #5 E.W.
F4	4'-0 x 4'-0 x 24"	(5) #5 E.W.

E.W. = EACH WAY
L.W. = LONG WAY
S.W. = SHORT WAY

REINFORCING LAP & BEND SCHEDULE			
BAR SIZE	STANDARD LAP LENGTH	STANDARD HOOKS	
		DIAMETER D	LENGTH A
#3	15"	2 1/4"	6"
#4	20"	3"	8"
#5	25"	3 3/4"	10"
#6	30"	4 1/2"	12"



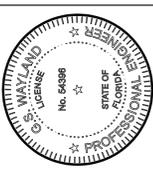
NOT FOR CONSTRUCTION PENDING RECEIPT OF PRE-ENGINEERED METAL BUILDING DRAWINGS



Rev. No.	Date	Description

Drawing Status: **Permit Documents**

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This item has been signed and sealed using Digital Signature. Printed copies of this document are not considered signed and sealed and the authentication code must be verified on any electronic copies.

Client: **City of Ocala**
Project Name: **Fire Station 07 Apparatus Storage 885 SE 31st Street Ocala, FL 24471**
Drawing Name: **Foundation Plan & Details**

Drawn by: **GS WAYLAND**
Date: **OCTOBER 10, 2025**
WSE Project No.: **25015**
Drawing No.: **S201**