CRA ARCHITECTS

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Architects ▪ Planners ▪ Interior Designers ▪ Construction Managers

THE FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

FOR FLORIDA SHERIFFS ASSOCIATION TALLAHASSEE, FLORIDA

PROJECT INFORMATION

APPLICABLE CODES:

-FLORIDA BUILDING CODE, BUILDING (FBC, B) - EIGHTH (2023) EDITION
-FBC, CHAPTER 11, FLORIDA ACCESSIBILITY CODE - EIGHTH (2023) EDITION
-FLORIDA BUILDING CODE, MECHANICAL (FBC, M) - EIGHTH (2023) EDITION
-FLORIDA BUILDING CODE, FUEL GAS (FBC, FG) - EIGHTH (2023) EDITION
-FLORIDA BUILDING CODE, PLUMBING (FBC P) - EIGHTH (2023) EDITION
-FLORIDA FIRE PREVENTION CODE - EIGHTH (2023) EDITION
-NATIONAL FIRE FIRE ALARM AND SIGNALING CODE - 2022 EDITION
-NATIONAL ELECTRICAL CODE (NEC) - 2023 EDITION
-NFPA 101, LIFE SAFETY CODE - 2024 EDITION

CONSTRUCTION TYPE:

FBC TYPE IIB, SPRINKLERED SFBC N/A NFPA-220 TYPE I (332)

PRINCIPAL OCCUPANCY:

YOUTH LEARNING CENTER:	BUSINESS
BLACKBURN-HUNT BUILDING:	BUSINESS

ACCESSORY OCCUPANCIES:

YOUTH LEARNING CENTER:	ASSEMBLY
BLACKBURN-HUNT BUILDING:	ASSEMBLY

METHOD OF STRUCTURAL FIRE-PROOFING OF PROJECT AREA

SELF-PROTECTING	NO
RATED MEMBRANE ASSEMBLY	NO
SPRAYED ON	NO
OTHER	N/A

CONSTRUCTION MATERIALS:

FLOOR	STEEL/CONCRETE
PARTITIONS	GWB/GMS/CMU
EXTERIOR WALLS	PRECAST CONCRETE/BRICK
STRUCTURE	CONCRETE/STEEL

BUILDING HEIGHT AND AREA:

YOUTH LEARNING CENTER:

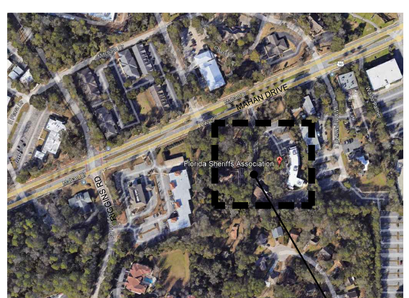
NUMBER OF STORIES:	TWO (2) STORIES
OVERALL BUILDING HEIGHT:	35'-4" FEET
1ST FLOOR BUILDING AREA:	10,833 GSF
2ND FLOOR BUILDING AREA:	12,248 GSF
OVERALL BUILDING AREA:	23,081 GSF

BLACKBURN-HUNT BUILDING:

NUMBER OF STORIES:	TWO (2) STORIES
OVERALL BUILDING HEIGHT:	34'-8" FEET
1ST FLOOR BUILDING AREA:	7,166 GSF
2ND FLOOR BUILDING AREA:	6,867 GSF
OVERALL BUILDING AREA:	14,033 GSF

NOTES:

SECTION 508.3.2 OF THE FLORIDA BUILDING CODE, UNSEPERATED OCCUPANCIES (BUILDING OR PORTIONS OF BUILDINGS THAT COMPLY WITH THE PROVISIONS OF THIS SECTION SHALL QUALIFY AS NON-SEPERATED OCCUPANCIES IS APPLIEDTO THIS BUILDING.



PROJECT AREA

VICINITY MAP
SCALE: N.T.S. MAHAN DRIVE., TALLAHASSEE, FLORIDA

LOCATION MAP

INDEX OF DRAWINGS

COVER SHEET

CS1.0 COVER SHEET AND INDEX OF DRAWINGS

CIVIL
C-100.1 GENERAL NOTES
C-101 EXISTING CONDITIONS MAP
C-102 DEMOLITION PLAN
C-102.1 EROSION & CONTROL PLAN
C-103 OVERALL SITE LAYOUT
C-104 TRAFFIC MOBILITY PLAN
C-104.1 SITE DISTANCE PLAN
C-105 GRADING PLAN
C-105.1 SWMF DETAIL SHEET
C-106 UTILITY PLAN
C-106.1 HYDRANT COVERAGE PLAN
C-107 LANDSCAPE PLAN
C-108 CONSTRUCTION DETAILS

ARCHITECTURAL
A0.0 ABBREVIATIONS, SYMBOLS, NOTES & TYP. MOUNTING HEIGHTS
AS1.1 ARCHITECTURAL SITE PLAN
AS1.2 BUILDING LAYOUT PLAN
LS1.1 YOUTH LEARNING CENTER - 1ST & 2ND FL LIFE SAFETY PLANS
LS1.2 BLACKBURN-HUNT BLDG - 1ST & 2ND FL LIFE SAFETY PLANS
A1.1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN
A1.2 YOUTH LEARNING CENTER - SECOND FLOOR PLAN
A1.3 BLACKBURN-HUNT BUILDING - 1ST AND 2ND FLOOR PLANS - BASE BID
A1.3A BLACKBURN-HUNT BUILDING - 1ST AND 2ND FL PLANS - ADD ALT
A2.1 YOUTH LEARNING CENTER - BUILDING ELEVATIONS
A2.2 BLACKBURN-HUNT BUILDING - ELEVATIONS
A3.1 YOUTH LEARNING CENTER - BUILDING SECTIONS
A3.2 BLACKBURN-HUNT BUILDING - SECTIONS
A4.0 PARTITION TYPES
A4.0A COLUMN DETAILS
A4.1 YOUTH LEARNING CENTER - WALL SECTIONS
A4.2 YOUTH LEARNING CENTER - WALL SECTIONS
A4.3 YOUTH LEARNING CENTER - WALL SECTIONS
A4.4 YOUTH LEARNING CENTER - WALL SECTIONS
A4.5 BLACKBURN-HUNT BUILDING - WALL SECTIONS
A4.6 BLACKBURN-HUNT BUILDING - WALL SECTIONS
A5.1 ENLARGED PLANS
A6.1 MILLWORK ELEVATIONS AND DETAILS
A7.1 DOOR AND WINDOW ELEVATIONS
A7.2 DOOR AND WINDOW ELEVATIONS
A7.3 DOOR AND WINDOW DETAILS
A8.1 YOUTH LEARNING CENTER - FIRST FLOOR - RCP
A8.2 YOUTH LEARNING CENTER - SECOND FLOOR - RCP
A8.3 BLACKBURN-HUNT BUILDING - 1ST AND 2ND FLOOR - RCP
A9.1 YOUTH LEARNING CENTER & BLACKBURN-HUNT BLDG - ROOF PLANS
A9.2 YOUTH LEARNING CENTER & BLACKBURN-HUNT BLDG - ROOF DETAILS
A10.1 YOUTH LEARNING CENTER - FIRST FLOOR FINISH PLAN
A10.2 YOUTH LEARNING CENTER - SECOND FLOOR FINISH PLAN
A10.3 BLACKBURN-HUNT BUILDING - 1ST AND 2ND FLOOR FINISH PLANS
A10.4 BLACKBURN-HUNT BUILDING - 2ND FL FINISH PLANS - ADD ALT
A11.1 STAIR PLANS AND SECTIONS
A11.2 STAIR PLANS AND SECTIONS
A11.3 STAIR DETAILS
A11.4 ELEVATOR SECTION
A12.1 YOUTH LEARNING CENTER - 1ST & 2ND FL FURNITURE & EQUIP. PLANS
A12.2 BLACKBURN-HUNT BUILDING - 1ST & 2ND FL FURNITURE & EQUIP. PLANS
A12.3 BLACKBURN-HUNT BUILDING - 2ND FL FURNITURE & EQUIP. PLANS - ADD ALT

QFP1.0 FOOD SERVICE GENERAL NOTES
QFE1.0 FOOD SERVICE EQUIPMENT OVERALL PLAN
QFE1.1 FOOD SERVICE EQUIPMENT PLAN
QFE1.2 FOOD SERVICE EQUIPMENT SCHEDULE
QFE2.1 FOOD SERVICE EQUIPMENT ELEVATION KEY PLAN
QFE2.2 FOOD SERVICE EQUIPMENT STANDARD DETAILS
QFP3.1 FOOD SERVICE EQUIPMENT PLUMBING SUPPLY & DRAIN PLAN
QFE4.1 FOOD SERVICE EQUIPMENT ELECTRICAL & SPECIAL CONDITIONS PLAN

T-1 THEATER - DESIGN LAYOUT
T-2 THEATER - FLOOR PLAN
T-3 THEATER - REFLECTED CEILING PLAN
T-4 THEATER - FRONT & REAR WALL ELEVATIONS
T-5 THEATER - SIDE WALL ELEVATIONS
T-6 THEATER - SIGHT LINE STUDY
T-7 THEATER - SPEAKER LAYOUT PLAN

STRUCTURAL
S0.1 STRUCTURAL NOTES
S0.2 WIND LOAD INFORMATION
S1.1 YLC - FOUNDATION PLAN
S1.2 BH - FOUNDATION PLAN
S2.1 YLC - 2ND FLOOR FRAMING PLAN
S2.2 BH - 2ND FLOOR FRAMING PLAN
S2.3 YLC - ROOF FRAMING PLAN
S2.4 BH - ROOF FRAMING PLAN
S3.1 YLC - SECTIONS
S3.2 YLC - SECTIONS
S3.3 YLC - SHEAR WALL DETAILS
S3.4 YLC - BRACED FRAME DETAILS
S3.5 YLC - FRONT CANOPY DETAILS
S3.6 BH - SECTIONS
S3.7 BH - SECTIONS
S3.8 BH - DUMPSTER ENCLOSURE
S4.1 FOUNDATION DETAILS
S4.2 FOUNDATION DETAILS
S4.3 FOUNDATION DETAILS
S5.1 MASONRY DETAILS5.2 STEEL DETAILS
S5.3 STEEL DETAILS

FIRE SUPPRESSION
FS0.1 - GENERAL NOTES & LEGENDS
FS1.0 - SITE PLAN
FS1.1 - YOUTH LEARNING CENTER - FIRST FLOOR PLAN
FS1.2 - YOUTH LEARNING CENTER - SECOND FLOOR PLAN
FS1.3 - BLACKBURN-HUNT BUILDING
FS1.3A - BLACKBURN-HUNT BUILDING - SECOND FL - ADD ALT
FS4.1 - SCHEDULES
FSS.1 - DETAILS

PLUMBING
P0.1 - GENERAL NOTES LEGENDS & SCHEDULES
P1.1 - YOUTH LEARNING CENTER - FIRST FLOOR PLAN - WASTE
P1.2 - YOUTH LEARNING CENTER - SECOND FLOOR PLAN - WASTE
P1.3 - YOUTH LEARNING CENTER - ROOF PLAN
P1.4 - BLACKBURN-HUNT BUILDING - WASTE
P1.4A - BLACKBURN-HUNT BUILDING - SECOND FL ADD ALT - WASTE
P1.5A - BLACKBURN-HUNT BUILDING ROOF
P2.1 - YOUTH LEARNING CENTER - FIRST FLOOR PLAN - SUPPLY
P2.2 - YOUTH LEARNING CENTER - SECOND FLOOR PLAN - SUPPLY
P2.3 - BLACKBURN-HUNT BUILDING - SUPPLY
P2.3A - BLACKBURN-HUNT BUILDING - SECOND FL - ADD ALT - SUPPLY
P3.1 - YOUTH LEARNING CENTER - WASTE & VENT RISERS
P3.2 - BLACKBURN-HUNT BUILDING - WASTE & VENT RISERS
P3.3 - YOUTH LEARNING CENTER - SUPPLY RISERS
P3.4 - BLACKBURN-HUNT BUILDING - SUPPLY RISERS
P4.1 - SCHEDULES
P4.2 - SCHEDULES
P5.1 - DETAILS

MECHANICAL
M0.1 GENERAL NOTES, LEGENDS & SCHEDULES
M1.1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN
M1.2 YOUTH LEARNING CENTER - SECOND FLOOR PLAN
M1.3 YOUTH LEARNING CENTER - FIRST FLOOR PLAN - PIPING
M1.4 YOUTH LEARNING CENTER - SECOND FLOOR PLAN - PIPING
M1.5 BLACKBURN-HUNT BUILDING
M1.6 BLACKBURN-HUNT BUILDING - PIPING
M1.7A BLACKBURN-HUNT BUILDING - SECOND FL PLAN - ADD ALT - PIPING
M1.8 ROOF PLANS
M4.1 SCHEDULES
M4.2 SCHEDULES
M5.1 DETAILS
M5.2 DETAILS

INSTRUMENTATION AND CONTROL
MC0.1 GENERAL NOTES & SCHEDULES
MC1.1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN
MC1.2 YOUTH LEARNING CENTER - SECOND FLOOR PLAN
MC1.3 BLACKBURN-HUNT BUILDING
MC1.3A BLACKBURN-HUNT BLDG - SECOND FL - ADD ALT
MC1.5 ROOF PLANS
MC2.1 CONTROLS

ELECTRICAL
E0.1 GENERAL NOTES & LEGENDS
E0.2 SCHEDULES
E1.0 SITE PLAN - ELECTRICAL
E1.1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN - LIGHTING
E1.2 YOUTH LEARNING CENTER - SECOND FLOOR PLAN - LIGHTING
E1.3 BLACKBURN-HUNT BUILDING - LIGHTING
E1.3A BLACKBURN-HUNT BUILDING - SECOND FL PLAN - ADD ALT - LIGHTING
E2.1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN - POWER
E2.2 YOUTH LEARNING CENTER - SECOND FLOOR PLAN - POWER
E2.3 BLACKBURN-HUNT BUILDING - POWER
E2.3A BLACKBURN-HUNT BUILDING - SECOND FL - ADD ALT - POWER
E2.4 ROOF PLANS - ELECTRICAL
E3.1 RISER DIAGRAMS - YOUTH LEARNING CENTER
E3.2 RISER DIAGRAMS - BLACKBURN-HUNT BUILDING
E4.1 PANEL SCHEDULES - YOUTH LEARNING CENTER
E4.2 PANEL SCHEDULES - BLACKBURN-HUNT BUILDING
E5.1 DETAILS
E5.2 DETAILS

COMMUNICATIONS
TC0.1 GENERAL NOTES, LEGENDS & SCHEDULES
TC1.0 SITE PLAN - TELECOMMUNICATIONS
TC1.1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN
TC1.2 YOUTH LEARNING CENTER - SECOND FLOOR PLAN
TC1.3 BLACKBURN-HUNT BUILDING
TC1.3A BLACKBURN-HUNT BUILDING - SECOND FL PLAN - ADD ALT
TC5.1 DETAILS & RACK ELEVATIONS

AUDIO-VISUAL
TA0.1 GENERAL NOTES, LEGENDS & SCHEDULES
TA1.1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN
TA1.2 YOUTH LEARNING CENTER - SECOND FLOOR PLAN
TS1.3 BLACKBURN-HUNT BUILDING
TS1.3A BLACKBURN-HUNT BUILDING - 2ND FL PLAN - ADD ALT
TS5.1 DETAILS
TS5.2 DETAILS

ELECTRONIC SAFETY AND SECURITY
TS0.1 GENERAL NOTES & LEGENDS
TS1.1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN
TS1.2 YOUTH LEARNING CENTER - SECOND FLOOR PLAN
TS2.1 BLACKBURN-HUNT BUILDING
TS2.1A BLACKBURN-HUNT BUILDING - SECOND FL PLAN - ADD ALT
TS5.1 DETAILS
TS5.2 DETAILS

FIRE SAFETY & EMERGENCY COMMUNICATION
FA0.1 GENERAL NOTES & LEGENDS
FA1.1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN
FA1.2 YOUTH LEARNING CENTER - SECOND FLOOR PLAN
FA1.3 BLACKBURN-HUNT BUILDING
FA1.3A BLACKBURN-HUNT BUILDING - SECOND FL PLAN - ADD ALT
FA4.1 RISERS
FA5.1 DETAILS

CONSULTANTS

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THE FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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CONSTRUCTION DOCUMENTS

SUBMITTAL

PHASE	DATE ISSUED
SCHEMATIC DESIGN	JANUARY 17, 2025
DESIGN DEVELOPMENT	FEBRUARY 28, 2025
50% CONSTRUCTION DOCUMENTS	APRIL 15, 2025
100% CONSTRUCTION DOCUMENTS	JULY 18, 2025
-	
-	
-	

PROJECT NUMBER
24029

SHEET TITLE
CS1.0

SET NO.

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GENERAL CONSTRUCTION NOTES:

1. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK AND SHALL CONFORM TO THE MINIMUM STANDARDS SET FORTH BY CITY OF TALLAHASSEE.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH ALL THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTIONS.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING THE CITY OF TALLAHASSEE WITH A LOCATION FOR STAGING PRIOR TO COMMENCEMENT OF CONSTRUCTION.
4. THE CONTRACTOR SHALL NOT UTILIZE NEIGHBORHOOD STREETS FOR CONSTRUCTION RELATED TRAFFIC.
5. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS BEFORE PERFORMING WORK IN THE AFFECTED AREA.
6. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR CALLED FOR IN THIS CONTRACT.
7. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT", CHAPTER 553, PART III, FLORIDA STATUTES. THE CONTRACTOR SHALL INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATION.
8. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRE-CAST MATERIALS AND MANUFACTURED ITEMS TO THE ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
9. IF THE CONTRACTOR PROPOSES ANY MODIFICATION TO THESE PLANS OR STANDARDS, CONTRACTOR SHALL SUBMIT, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, DRAWINGS AND CALCULATIONS, DEMONSTRATING THE PROPOSED MODIFICATION WILL MEET THE REQUIREMENTS OF THE CONTRACT, REFERRED STANDARDS AND PERMITTING AGENCIES.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE FOLLOWING IN THE FIELD: RIGHT OF WAY LINES, BENCHMARKS (ELEVATIONS), COORDINATES, CENTER LINES AND STATIONING AS MAY BE REQUIRED T

O CONSTRUCT THE PROJECT.

11. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS.
12. ALL EXISTING ITEMS SHOWN IN THE PLANS ARE TO REMAIN UNLESS OTHERWISE DENOTED.
13. WHERE PROPOSED CURBING, ROADS, AND SIDEWALKS TIE INTO EXISTING CURBING, ROADS, AND SIDEWALKS, THE TIE IN POINT IS TO MATCH EXISTING.
14. IF PREHISTORIC OR HISTORIC ARTIFACTS, SUCH AS POTTERY OR CERAMICS, STONE TOOLS, METAL IMPLEMENTS, DUGOUT CANOES OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME WITHIN THE PROJECT SITE AREA, THE PERMITTED PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE PERMITTEE OR OTHER DESIGNEE SHALL CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, REVIEW AND COMPLIANCE SECTION, AT (850) 245-6333 OR (800) 847-7278, AS WELL AS THE APPROPRIATE PERMITTING AGENCY OFFICE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES. IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK SHALL STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH SECTION 872.05, FLORIDA STATUTES.
15. STORM DRAIN TOP ELEVATIONS ON PLANS REFER TO THE TOP OF THE STRUCTURES.
16. WATER AND SEWER SERVICES MUST HAVE A MINIMUM 5-FT. SEPARATION.
17. THE CONTRACTOR SHALL ENSURE THAT A FOREMAN OR SUPERVISOR WHO HAS BEEN CERTIFIED UNDER FLORIDA STORMWATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR TRAINING PROGRAM IS ALWAYS AVAILABLE IN PERSON DURING CONSTRUCTION ACTIVITIES. IF AT ANY TIME, THE DESIGNATED STORMWATER CONTROL OFFICER IS NO LONGER ON-SITE, THE DESIGNATION FORM WILL NEED TO BE UPDATED AND SUBMITTED TO GROWTH MANAGEMENT.
18. THE CITY OF TALLAHASSEE IS NOT RESPONSIBLE FOR THE MAINTENANCE, UPKEEP OR IMPROVEMENT OF ANY STORMWATER MANAGEMENT FACILITY UTILIZED BY THE LAND DESCRIBED HEREIN. TITLE TO THIS PROPERTY CARRIES WITH IT THE REQUIREMENT THAT THE CURRENT AND ALL SUBSEQUENT LANDOWNERS OR THEIR AUTHORIZED AGENT OBTAIN A STORMWATER MANAGEMENT FACILITY OPERATING PERMIT FROM THE CITY. THE OWNER OF THIS PROPERTY SHALL BE LEGALLY RESPONSIBLE FOR COMPLIANCE WITH ALL STORMWATER MANAGEMENT FACILITY OPERATING PERMIT MAINTENANCE AND OPERATION REQUIREMENTS, AS WELL AS ALL OTHER PERMIT CONDITIONS.

PAVING AND GRADING NOTES:

1. ALL ROADWAY WORK SHALL BE PERFORMED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.
2. ALL ROADWAY AND DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS FOR ROAD CONSTRUCTION, CURRENT EDITION.
3. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MULCH, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER, THE ENGINEER, OR REPRESENTATIVE FROM THE SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER REPRESENTATIVE. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS AND IN ACCORDANCE WITH THE SOILS REPORT. CONTRACTOR WILL ALSO REFER TO FDOT SPECIFICATIONS FOR FILL MATERIAL. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND SHALL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.
5. ALL NECESSARY FILL AND EMBANKMENT, THAT IS PLACED DURING CONSTRUCTION, SHALL CONSIST OF MATERIAL SPECIFIED BY THE SOIL TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS OR THE REFERENCED SOIL REPORTS.
6. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
7. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES SHOWN TO BE SAVED. CONTRACTOR TO COORDINATE WITH ENGINEER PRIOR TO ANY ELEVATION CHANGES.
8. CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
9. CONTRACTOR TO PROVIDE A 1/2" TO 1" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF CONCRETE AND OTHER MATERIALS (BUILDING, OTHER POURED CONCRETE, ETC.).
10. ALL PAVEMENT MARKINGS WITHIN CITY OF TALLAHASSEE RIGHT OF WAY SHALL BE THERMOPLASTIC.
11. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOD OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE UTILITY SYSTEMS AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY THE OWNER.
12. ALL UNDERGROUND UTILITIES MUST BE IN PLACE AND TESTED OR INSPECTED PRIOR TO BASE AND SURFACE CONSTRUCTION.
13. ALL WORKMANSHIP AND MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND THE LATEST CITY OF TALLAHASSEE STANDARDS, UNLESS OTHERWISE INDICATED. THE MORE STRINGENT SHALL BE APPLICABLE.
14. EXISTING SIGNAGE THAT WILL BE AFFECTED BY CONSTRUCTION WILL BE RELOCATED DURING CONSTRUCTION AND KEPT VISIBLE AT ALL TIMES.
15. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH AN INDEPENDENT TESTING COMPANY TO VERIFY COMPACTION. UPON COMPLETION OF THE WORK, SOILS ENGINEER WILL SUBMIT CERTIFICATIONS TO OWNER AND THE ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET.

MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITION, FDOT STANDARD PLANS INDEX 102 SERIES AND THE CURRENT EDITION FHWA "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". SIGNAGE SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 603.
2. TEMPORARY TRAVEL LANES SHALL NOT BE LESS THAN 10 FEET IN WIDTH ON ROADWAYS OPEN TO TRAFFIC AND ADJACENT SIDE ROADS. TRAVEL LANES ON VEHICLE USE AREAS OPEN TO TRAFFIC SHALL BE PROPERLY DELINEATED DURING ALL PHASES OF CONSTRUCTION.
3. DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION OF THE ROADWAYS.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CLEAR ZONE REQUIREMENTS FOR EQUIPMENT AND MATERIALS STORAGE AND WORK ZONE PROTECTION AS SPECIFIED IN FDOT STANDARD PLAN INDEX 102-600.
5. THE CONTRACTOR MUST PROVIDE TEMPORARY DRAINAGE WHEN HISTORICAL DRAINAGE PATTERNS ARE IMPEDED IN AN ACTIVE WORK ZONE. ANY ADDITIONAL COST ASSOCIATED WITH DRAINAGE (INSTALLATION AND REMOVAL OF TEMPORARY STRUCTURES, DESILTING OF EXISTING PIPES) SHALL BE INCIDENTAL TO MAINTENANCE OF TRAFFIC MEASURES.
6. OPEN TRENCHES MUST BE BACKFILLED BY THE END OF THE WORK DAY OR COVERED WITH TRENCH PLATES.

SITEWORK NOTES:

1. CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS WILL BE RECONSTRUCTED,SEEDED, MULCHED OR SODDED WITHIN ONE WEEK FOLLOWING CONSTRUCTION.
2. DURING CLEARING AND GRUBBING, THE REMOVED SOIL SHALL BE STOCKPILED AS DESIGNATED BY THE ENGINEER OR CITY OF TALLAHASSEE ENVIRONMENTAL INSPECTOR TO BE USED FOR FILL PURPOSES, UNLESS OTHERWISE DIRECTED BY THE OWNER. REMAINING EARTHWORK THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE. EXCESS MATERIAL IS TO BE EITHER STOCKPILED ON THE SITE OR DISPOSED OF AS DIRECTED BY THE OWNER. STOCKPILED MATERIAL WILL BE PROTECTED WITH SILT FENCING.
3. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING EXCESS EARTHWORK FROM THE SITE.
4. THE CONTRACTOR SHALL SURVEY AND STAKE THE CLEARING LIMITS AS INDICATED BY THE PLANS AND RECEIVE APPROVAL FROM THE ENGINEER AND CITY ENVIRONMENTAL INSPECTOR PRIOR TO COMMENCING WITH THE CLEARING AND GRUBBING OPERATION.
5. BURNING OF MATERIALS AND/OR DEBRIS AS A MEANS OF DISPOSAL IS PROHIBITED WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL DISPOSE OF ALL CLEARING AND GRUBBING MATERIAL OFF-SITE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING WRITTEN PERMISSION FROM THE PROPERTY OWNERS PRIOR TO STORING OR STAGING ANY EQUIPMENT OR MATERIALS. A COPY OF THE WRITTEN PERMISSION WILL BE PROVIDED TO THE ENGINEER AND OWNER PRIOR TO STORING OR STAGING.
6. IF A MONITORING WELL IS ENCOUNTERED WITHIN OR ADJACENT TO THE PROJECT CORRIDOR, AND IS NOT SHOWN IN THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL AND STATE REGULATIONS CONCERNING SITE SAFELY AND HANDLING AND DISPOSAL OF CONTAMINATED SOILS AND MATERIALS.
8. A-8 AND OTHER NON-SELECT SOILS, WHEN ENCOUNTERED, SHALL BE REMOVED FROM CONSTRUCTION AREAS AND BACK-FILLED WITH SELECT MATERIALS IN ACCORDANCE WITH FDOT STANDARD PLAN INDEX 120-001 AND 120-002.
9. GEOTECHNICAL ENGINEERING SERVICES HAVE BEEN PROVIDED BY NOVA ENGINEERING AND ENVIRONMENTAL LLC. AND THEIR REPORT CAN BE OBTAINED FROM THE OWNER OR ENGINEER. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, COMPLETENESS OR ACCURACY OF THE GEOTECHNICAL DATA PROVIDED BY NOVA.
10. CLEARING AND GRUBBING INCLUDES THE REMOVAL OF ALL INCIDENTAL ITEMS INCLUDING BUT NOT LIMITED TO STRUCTURES, CONCRETE, ASPHALT, GRAVEL, FENCING AND ANY OTHER IMPROVEMENTS TO BE REMOVED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF SUCH ITEMS OFF SITE AT APPROVED FACILITIES.
11. ALL ROCKS OR STONES LARGER THAN 6" IN DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN 1-FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN 2" IN DIAMETER.
12. FILL SHOULD BE PLACED IN LEVEL LIFTS NOT TO EXCEED 12 INCHES IN UNCOMPACTED THICKNESS. EACH LIFT SHOULD BE COMPACTED TO AT LEAST 95% OF THE MODIFIED PROCTOR (ASTM D-1557) MAXIMUM DRY DENSITY VALUE.
13. ANY DAMAGE TO EXISTING TOPOGRAPHIC FEATURES, NOT SPECIFICALLY ADDRESSED IN THE PLANS, SHALL BE RECONSTRUCTED AT THE COST OF THE CONTRACTOR.
14. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED AND MULCHED & SHALL INCLUDE 4" OF DRESSED TOP SOIL.
15. ALL AREAS TO BE SEEDED AND MULCHED OR SODDED ARE TO BE FERTILIZED PER FDOT STANDARD SPECIFICATION 570-3.7.
16. ALL SLOPES 4:1 AND GREATER ARE TO BE SODDED. ALSO A 2' STRIP OF SODDED IS TO BE PROVIDED ALONG THE EDGE OF ALL HARDSCAPE AREAS AND CONCRETE STRUCTURES. THE TRANSITION BETWEEN SEED AND MULCH AREAS AND SODDED AREAS ARE TO MATCH. SLOPES GREATER THAN 3:1 ARE TO BE LAPPED AND PINNED.
17. ALL SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO M.U.T.C.D. AND SHALL BE IN ACCORDANCE WITH FDOT AND CITY OF TALLAHASSEE SPECIFICATIONS. ALL PERMANENT PAVEMENT MARKINGS ARE TO BE THERMOPLASTIC.
18. DURING ALL CONSTRUCTION PHASES THE CONTRACTOR SHALL POST THE ENTIRE PROPERTY AS A CONSTRUCTION SITE IN ACCORDANCE W/ FLORIDA STATUTES 810.09(D). SIGNING SHALL BE POSTED WHICH READS THIS AREA IS A DESIGNATED CONSTRUCTION SITE AND ANYONE WHO TRESPASSES ON THIS PROPERTY COMMITS A FELONY.
19. ALL EASEMENTS SHALL BE RECORD PRIOR TO BUILDING PERMITS
20. FOR RETAINING WALLS GREATER THAN 24" EXPOSED WALL HEIGHT, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING BUILDING PERMITS.
21. DURING CONSTRUCTION PHASE OF THIS PROJECT SEDIMENT MAY BE CONVEYED TO THE STORMWATER MANAGEMENT FACILITIES CAUSING BLINDING OF THE FILTRATION SYSTEMS. CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PREVENT SUCH EVENTS. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF SEDIMENT BUILD-UP AND REPAIR THE FILTRATION SYSTEMS AS NECESSARY.
22. DESIGNATED STORMWATER OFFICER:
    NAME: JOHNNY PETMANDIS
    PHONE: 850-893-6000
23. INFRASTRUCTURE WITHIN PUBLIC RIGHT OF WAY SHALL COMPLY WITH FDOT STANDARDS.

GOVERNING STANDARD SPECIFICATIONS FOR UTILITIES

1. THE CITY OF TALLAHASSEE - UNDERGROUND UTILITIES - TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, LATEST EDITION, IS THE GOVERNING SPECIFICATIONS FOR CONSTRUCTION OF WATER WORKS AND SANITARY SEWERAGE ON THIS PROJECT. REFERENCES IN THE PLANS TO "CITY'S STANDARD SPECIFICATIONS" SHALL BE TAKEN TO MEAN THE AFOREMENTIONED DOCUMENT. THIS DOCUMENT MAY BE OBTAINED BY DOWNLOADING FROM THE INTERNET AT URL:HTTP://WWW.TALGOV.COM.

DEWATERING, SHEETING, BRACING, AND PIPE SUPPORTS:

1. TRENCH DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. TRENCH SHEETING AND BRACING SHALL BE ADEQUATE TO PREVENT CAVE-IN OF TRENCH WALLS, SUBSIDENCE OF AREAS ADJACENT TO THE TRENCH, DAMAGE TO WATER AND SEWER MAINS, AND SLOUGHING OF THE BASE OF THE EXCAVATION FROM WATER SEEPAGE. THE RESPONSIBILITY FOR THE ADEQUACY AND SAFETY OF ANY TRENCH SHEETING AND BRACING BELONGS TO THE CONTRACTOR. THE COST OF DEWATERING, SHEETING, AND BRACING IS CONSIDERED INCIDENTAL TO THE CONTRACT. NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING, SHEETING, OR BRACING.
2. SUPPORT EXISTING SEWER AND WATER MAINS THAT CROSS STORM SEWER TRENCHES SO AS TO PREVENT JOINT SEPARATION AND DAMAGE TO SAID MAINS. THE RESPONSIBILITY FOR THE ADEQUACY AND SAFETY OF ANY REQUIRED SUPPORT SYSTEMS BELONGS TO THE CONTRACTOR. THE COST OF PIPE SUPPORT SYSTEMS IS CONSIDERED TO BE INCIDENTAL TO THE CONTRACT. NO SEPARATE PAYMENT WILL BE MADE FOR PIPE SUPPORT SYSTEMS.

WATER DISTRIBUTION NOTES:

1. GOVERNING SPECIFICATIONS SHALL BE THE CITY OF TALLAHASSEE - UNDERGROUND UTILITIES - TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, LATEST EDITION.
2. POTABLE WATER SERVICE SHALL BE MAINTAINED TO RESIDENCES AND BUSINESSES AT ALL TIMES.
3. THE LOCATIONS OF EXISTING ACTIVE AND INACTIVE SERVICE LATERALS SHOWN ON THE PLANS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND IDENTIFY LOCATIONS/DEPTHS OF ALL SERVICE CONNECTIONS.
4. ACTIVE EXISTING WATER LATERALS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE FIELD-ADJUSTED VERTICALLY AND HORIZONTALLY, AS NEEDED, TO AVOID STORM DRAINS AND OTHER UTILITIES. ABANDONED SERVICES AND EXISTING SERVICES THAT ARE INDICATED TO BE REPLACED SHALL BE TERMINATED AT THE CORPORATION STOP. SERVICES ON A MAIN THAT ARE DESIGNATED TO BE ABANDONED SHALL NOT BE PLUGGED, BUT SHALL BE TERMINATED AT THE CORPORATION STOP.
5. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS EQUIPMENT, AND SUPERVISION NECESSARY TO VERIFY AND REPLACE EXISTING WATER SERVICES AS INDICATED ON PLANS. NEW SERVICES SHALL INCLUDE TAPPING SADDLE, CORPORATION STOP, HDPE SERVICE PIPING, TRACE WIRE, CURB STOP, CITY STOP YOKE, AND CUSTOMER VALVE, IN ACCORDANCE WITH THE CITY OF TALLAHASSEE STANDARD SPECIFICATIONS.
6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE ALL EXISTING VALVES NEEDED TO ISOLATE THE WATER MAINS WITHIN THE CONSTRUCTION LIMITS. SOME VALVES MAY BE LOCATED ON SIDE STREETS.
7. THE CONTRACTOR IS RESPONSIBLE, UNTIL FINAL ACCEPTANCE OF THE PROJECT, FOR THE REPAIR OF WATER MAINS, VALVES, SERVICE LINES, FIRE HYDRANTS, AND RELATED APPURTENANCE DAMAGED DUE TO CONSTRUCTION OPERATIONS OF THE CONTRACTOR.
8. THE CONTRACTOR SHALL ADJUST ALL EXISTING VALVE BOXES, WITHIN THE LIMITS OF CONSTRUCTION, SO THE TOPS ARE FLUSH WITH FINISHED GRADE, INCLUDING INSTALLATION OF A CONCRETE COLLAR.
9. METER AND METER BOXES SHALL BE RELOCATED TO THE RIGHT-OF-WAY LINE WHERE POSSIBLE. METERS SHALL NOT BE INSTALLED WITHIN A DRIVEWAY OR WALKWAY (SIDEWALK).
10. A SEPARATE PLUMBING PERMIT IS REQUIRED FOR NEW WATER/SEWER SERVICES.
11. A SEPARATE FIRE PERMIT IS REQUIRED FOR NEW FIRE SERVICE LINES.

SANITARY SEWER NOTES:

1. GOVERNING SPECIFICATIONS SHALL BE THE CITY OF TALLAHASSEE - UNDERGROUND UTILITIES - TECHNICAL SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION, LATEST EDITION.
2. SANITARY SEWER SERVICE SHALL BE MAINTAINED TO RESIDENCES AND BUSINESSES AT ALL TIMES.
3. THE LOCATIONS OF EXISTING ACTIVE AND INACTIVE SERVICE LATERALS SHOWN ON THE PLANS ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND IDENTIFY LOCATIONS/DEPTHS OF ALL SERVICE CONNECTIONS.
4. ACTIVE EXISTING SANITARY SEWER LATERALS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE FIELD-ADJUSTED VERTICALLY AND HORIZONTALLY, AS NEEDED, TO AVOID STORM DRAINS AND OTHER UTILITIES.
5. EXISTING SANITARY SEWER SERVICE LATERALS THAT ARE CUT OR DAMAGED DURING CONSTRUCTION AND HAVE BEEN FIELD DETERMINED TO BE INACTIVE SHALL BE PLUGGED AT THE INFLUENT AND EFFLUENT ENDS WITH GROUT TO PLACE THEM OUT OF SERVICE.
6. THE CONTRACTOR SHALL ADJUST ALL EXISTING SEWER MANHOLES, WITHIN THE LIMITS OF CONSTRUCTION, SO THE TOPS ARE FLUSH WITH FINISHED GRADE, INCLUDING INSTALLATION OF A CONCRETE COLLAR.

ASBUILT RECORD DRAWINGS:

1. PREPARE AND SUBMIT TO THE ENGINEER FOR APPROVAL, FINAL RECORD DRAWINGS DEPICTING THE HORIZONTAL LOCATIONS, SIZES, MATERIAL TYPES, AND PROFILES OF ALL NEW WATER AND SEWER MAINS AS THEY WERE CONSTRUCTED ON THE PROJECT. AS-BUILTS SHALL ALSO INCLUDE ALL IMPROVEMENTS PROPOSED ON THE PLANS. THIS INCLUDES BUILDINGS, STRUCTURES,, PAVEMENT, STORMWATER CONVEYANCE SYSTEMS, STORMWATER POND, HARDSCAPE, AND LANDSCAPE. PREPARE FINAL ASBUILT RECORD DRAWINGS IN ACCORDANCE WITH THE CITY'S STANDARD SPECIFICATIONS SECTION 12. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND IT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
2. CONTRACTOR IS TO PROVIDE SIX (6) AS-BUILT DRAWINGS AND ASSOCIATED ELECTRONIC FILES IN AUTOCAD DWG FORMAT.

STORMWATER POLLUTION PREVENTION NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN NPDES CONSTRUCTION PERMIT PRIOR TO CONSTRUCTION ACTIVITIES AND FOR COMPLIANCE WITH ALL STATE, LOCAL, AND FEDERAL PERMITS RELATED TO THIS PROJECT.
2. THE EROSION CONTROL MEASURES SET FORTH IN THESE PLANS ARE INTENDED AS MINIMUM STANDARDS. ALL EROSION CONTROL REQUIRED SHALL BE IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXPOSED AREAS, COST OF WHICH SHALL BE INCIDENTAL TO THE PROJECT.
3. PRIOR TO THE REQUIRED PRE-CONSTRUCTION MEETING, CONTRACTOR SHALL PROVIDE IN WRITING THE NAME AND TELEPHONE NUMBER OF THE STORMWATER CONTROL OFFICER TO THE OWNER, THE OWNER'S DESIGNATED REPRESENTATIVE, COT ENVIRONMENTAL INSPECTOR, NWFWMD, AND FDEP.
4. THE STORMWATER CONTROL OFFICER SHALL BE RESPONSIBLE FOR CONTINUALLY MONITORING WEATHER CONDITIONS AND EVALUATE THE EFFECTIVENESS OF THE CONTROL MEASURES THROUGHOUT ALL PHASES OF CONSTRUCTION.
5. AS CONSTRUCTION PROGRESSES, THE STORMWATER CONTROL OFFICER SHALL MAKE ADJUSTMENTS AND/OR INSTALL ADDITIONAL MEASURES TO PREVENT DIRECT FLOW OR TRACKING OF SEDIMENTS ONTO ADJACENT PROPERTY, CONSERVATION AREAS, PUBLIC STREETS OR DRAINAGE SYSTEMS.
6. ANY SEDIMENTS, GRAVEL OR MUD SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ADJACENT PROPERTY, ROADWAYS OR INTO STORM DRAINAGE SYSTEMS SHALL BE RECOVERED AND DISPOSED OF PROPERLY.
7. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PLACED ADJACENT TO ANY WATERWAY OR DRAINAGE FEATURE PRIOR TO CONSTRUCTION AND REMAIN IN PLACE UNTIL CONSTRUCTION OF THE FEATURE IS COMPLETE AND ALL AREAS ARE SUITABLY STABILIZED.
8. CONTRACTOR SHALL REVISE THE SWPPP WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING AN INSPECTION WHEN ADDITIONS AND/OR MODIFICATIONS TO BEST MANAGEMENT PRACTICES (BMPS) ARE NECESSARY TO CORRECT OBSERVED PROBLEMS. REVISIONS SHALL OCCUR WHENEVER:
    a) A CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION OR MAINTENANCE AT THE CONSTRUCTION SITE HAS A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE UNITED STATES NOT PREVIOUSLY ADDRESSED IN THE DOCUMENT.
    b) DISCHARGES ARE CAUSING WATER QUALITY EXCEEDANCES, AS DEFINED BY THE EPA, OR THE BMPS ARE INEFFECTIVE IN MINIMIZING POLLUTANTS IN STORMWATER DISCHARGING FROM THE CONSTRUCTION SITE.
11. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AT LOCATIONS SHOWN IN THE PLANS OR AS REQUIRED UNTIL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. ALL EROSION CONTROL MEASURES ARE THEN TO BE REMOVED UPON APPROVAL BY THE ENVIRONMENTAL INSPECTOR.
12. EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, ABATEMENT OF EROSION, SEDIMENTATION AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT LOCATIONS DESCRIBED IN THE APPROVED SWPPP OR AS DIRECTED BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE TO COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
13. SWEEPING THE PERIMETER ROADS SHALL BE REQUIRED AS NEEDED TO REMOVE ANY DEBRIS OR SEDIMENT AS A RESULT OF PROJECT ACTIVITIES, AS PER THE ENVIRONMENTAL INSPECTOR OR FDEP'S COMPLIANCE AND ENFORCEMENT OFFICER.
14. ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED DURING ANY PHASE OF DEVELOPMENT, AT THE DISCRETION OF THE ENVIRONMENTAL INSPECTOR OR FDEP'S COMPLIANCE AND ENFORCEMENT OFFICER.
15. CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT SITE. SHOULD CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, CONTRACTOR SHALL REQUEST, IN WRITING, WRITTEN PERMISSION FROM THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE. CONTRACTOR SHALL PROVIDE THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. SINCE STATE LAW DOES NOT TREAT PETROLEUM PRODUCTS THAT ARE PROPERLY CONTAINERIZED AND INTENDED FOR EQUIPMENT USE AS A HAZARDOUS MATERIAL, SUCH PRODUCTS DO NOT NEED THE MSDS SUBMITTAL. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE AND WHO SHALL PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE OWNER OR THE OWNER'S DESIGNATED REPRESENTATIVE.
16. ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION PRIOR TO PLACEMENT. ANY SOD WITH NOXIOUS WEEDS AND GRASSES SHALL BE REJECTED FOR USE ON THE PROJECT. CONTRACTOR SHALL FURNISH THE OW

30 0 15 30
1 Inch = 30 Feet
MAHAN DRIVE (U.S. 90) (S.R. 10)
RIGHT-OF-WAY VARIES
ASPHALT PAVED ROADWAY
FOUR SECTION MAP 15500-2936, SHEET 4 OF 5
FOUR SURVEY LINE
CURB INLET TOP - 71.71 INV W- 63.07 INV E- 63.01
GRATED INLET TOP - 75.72 SLOT - 74.22 INV N- 67.55
CURB INLET TOP - 81.07 INV E- 72.30
GRATED INLET TOP - 78.73 INV W - 69.94 INV NE- 69.89 INV SW- 74.94
SEWER MANIFOLD TOP - 81.30 INV E- 74.34
SEWER MANIFOLD TOP - 77.26 INV W- 72.26 INV E- 72.24 INV S- 72.29
SEWER MANIFOLD TOP - 77.26 INV NW- 69.65 INV NE- 68.63
SEWER MANIFOLD TOP - 77.26 INV NW- 69.65 INV NE- 68.63
SEWER MANIFOLD TOP - 77.26 INV NW- 69.65 INV NE- 68.63
SEWER MANHOLE TOP- 80.60' INV- 51.52' (W)
SEWER MANHOLE TOP- 79.53' INV- 69.82' (E) INV- 69.57' (W)
SEWER MANHOLE
NORTHEAST CORNER LOT 2 BLOCK "N" GLENWOOD ESTATES
LOT 3 HAROLD PALMER REPLAT PLAT BOOK 11, PAGE 1
PARCEL: 11-28-21-000-03-0 W H PALMER ENTERPRISE INC ZONING: C-2 GENERAL COMMERCIAL EXIST. LAND USE: OFFICE
CITY OF TALLAHASSEE ELECTRIC UTILITY EASEMENT OR 4119/1058
POB OR 5462/373
S 89°12'12" W 38.49' (S) S 90°00'00" W 38.49' (M)

30 0 15 30
1 Inch = 30 Feet

TREE DEBIT LIST

Survey #	Tree ID	Max. DBH	Hardwood or Long Leaf Pine	Category	Debits
REMOVED TREES					
12	Live Oak	28	Y	CAT C	30
13	Pine	19	N	CAT A	8
14	Pine	21	N	CAT A	8
15	Pine	22	N	CAT A	8
16	Pine	18	N	CAT A	6
17	Live Oak	15	Y	CAT C	12
18	Pine	14	N	UNPROT	0
19	Pine	23	N	CAT A	8
20	Pine	19	N	CAT A	8
21	Live Oak	30	Y	CAT C	30
22	Pine	26	N	CAT A	10
23	Live Oak	21	Y	CAT C	14
24	Pine	17	N	UNPROT	0
25	Pine	24	N	CAT A	8
26	Red Oak	28	Y	CAT C	30
27	Live Oak	24	Y	CAT C	14
28	Magnolia	18	Y	CAT C	12
29	Live Oak	21	Y	CAT C	14
30	Water Oak	19	Y	CAT A	8
31	Red Oak	23	Y	CAT C	14
53	Crepe Myrtle	4	A	UNPROT	0
54	Pine	20	N	CAT A	8
56	Live Oak	20	Y	CAT C	14
57	Pine	18	N	CAT A	6
58	Pine	12	N	UNPROT	0
59	Pine	14	N	UNPROT	0
60	Pine	15	N	UNPROT	0
61	Pine	16	N	UNPROT	0
62	Cherry	12	Y	CAT A	4
359	Live Oak	19	Y	CAT C	14
361	Live Oak	16	Y	CAT C	12
362	Live Oak	24	Y	CAT C	14
364	Live Oak	15	Y	CAT C	12
365	Pine	20	N	CAT A	8
366	Live Oak	27	Y	CAT C	30
370	Live Oak	35	Y	CAT C	36
373	Live Oak	27	Y	CAT C	30
697	Pine	19	N	CAT A	8
698	Pine	22	N	CAT A	8
699	Pine	15	N	UNPROT	0
700	Laurel Oak	15	Y	CAT A	6
701	Pine	17	N	UNPROT	0
702	Pine	25	N	CAT A	10
703	Laurel Oak	15	Y	CAT A	6
704	Pine	13	N	UNPROT	0
705	Live Oak	16	Y	CAT C	12
706	Pine	20	N	CAT A	8
707	Pine	19	N	CAT A	8
710	Sweet Gum	13	Y	CAT A	6
711	Sweet Gum	12	Y	CAT A	4
714	Live Oak	24	Y	CAT C	14
795	Laurel Oak	20	Y	CAT A	8
806	Pine	20	N	CAT A	8
815	Pine	25	N	CAT A	10
825	Magnolia	26	Y	CAT C	30
826	Live Oak	28	Y	CAT C	30
830	Live Oak	31	Y	CAT C	36
843	Live Oak	18	Y	CAT C	12
847	Live Oak	30	Y	CAT C	30
1056	Live Oak	38	Y	CAT C	40
1548	Water Oak	13	Y	CAT A	6
1549	Water Oak	16	Y	CAT A	6
1550	Pine	16	N	UNPROT	0
1551	Water Oak	13	Y	CAT A	6
1552	Water Oak	18	Y	CAT A	6
1554	Live Oak	42	Y	CAT C	40
1555	Laurel Oak	13	Y	CAT A	6
1556	Pine	27	N	CAT A	10
1615	Live Oak	45	Y	CAT C	44
TOTAL REMOVED TREE DEBITS					**848**

TREE IMPACTED LIST

Survey #	Tree ID	Max. DBH	Hardwood or Long Leaf Pine	Category	Debits
IMPACTED TREES					
709	Sweet Gum	25	Y	CAT A	10
712	Sweet Gum	12	Y	CAT A	4
713	Cherry	15	Y	CAT A	OFFSITE
2154	Pine	26	N	CAT A	OFFSITE
2157	Cherry	13	Y	CAT A	OFFSITE
2158	Sweet Gum	19	Y	CAT A	OFFSITE
2229	Pine	26	N	CAT A	OFFSITE
2230	Sweet Gum	19	Y	CAT A	OFFSITE
2233	Live Oak	39	Y	CAT C	OFFSITE
TOTAL IMPACTED TREE DEBITS					**14**

TREE CREDIT LIST

Survey #	Tree ID	Max. DBH	Category	Credits
Saved Tree				
7	Pine	32	CAT A	13
50	Crepe Myrtle	6	CAT A	2
51	Crepe Myrtle	4	CAT A	2
52	Crepe Myrtle	4	CAT A	2
739	Camphor	13	UNPROT	0
1537	Live Oak	36	CAT C	29
1538	Laurel Oak	12	CAT A	3
1539	Live Oak	45	CAT C	35
1540	Live Oak	21	CAT C	11
1541	Live Oak	42	CAT C	32
1732	Live Oak	67	CAT C	48
2234	Live Oak	18	CAT C	12
2836	Cypress	19	CAT C	11
2837	Cypress	14	CAT C	10
2838	Cypress	12	CAT C	8
2839	Cypress	18	CAT C	10
2840	Cypress	12	CAT C	8
2841	Laurel Oak	12	CAT A	3
TOTAL PRESERVED TREE CREDITS				**239**

LEGEND

- LIMITS OF DISTURBANCE
- TREE PROTECTION (TP)
- OBJECT TO BE REMOVED
- ASPHALT TO BE REMOVED
- CONCRETE TO BE REMOVED
- BUILDING TO BE REMOVED
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE IMPACTED

TREE PROTECTION AND MITIGATION NOTES:

1. THE CRITICAL PROTECTION ZONE (CPZ) MEANS THAT AREA SURROUNDING A TREE WITHIN A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S TRUNK DIAMETER AT BREAST HEIGHT (DBH).
2. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL INSTALL TREE PROTECTION BARRICADES THAT ARE MESH, HOG WIRE OR SIMILAR AND 4' IN HEIGHT AND STAKED IN THE GROUND WITH WOOD, METAL OR REBAR STAKES TO PROTECT PRESERVED TREES FROM DAMAGE DURING CONSTRUCTION. HAY BALES CAN BE SUBSTITUTED AS SPECIFIED IN THE PLANS TO SERVE AS BOTH TREE PROTECTION AND EROSION CONTROL. A DIAGRAM OF A TREE PROTECTION BARRICADE IS INCLUDED IN THE CONSTRUCTION PLANS. THESE BARRICADES SHALL BE INSTALLED AS SHOWN IN THE PLANS OR ACCORDING TO THE ARBORIST RECOMMENDATION TO PROTECT THE CPZ. STAKED HAY BALES CAN BE SUBSTITUTED AS SPECIFIED IN THE PLANS TO SERVE AS BOTH TREE PROTECTION AND EROSION CONTROL.
3. CONSTRUCTION ACTIVITY OF ANY KIND, INCLUDING DRIVING OVER OR STORING OF EQUIPMENT, MATERIALS OR SOILS SHALL ONLY OCCUR WITHIN THE LIMITS OF CLEARING OR AREAS DESIGNATED FOR THOSE PURPOSES AND SHALL NOT OCCUR WITHIN CPZS OF TREES.
4. ANY ROOT ZONES WITHIN THE CLEARING, STORAGE OR CONSTRUCTION AREA SHALL BE PROTECTED BY PLACEMENT OF WEIGHT DISTRIBUTION METHODS SUCH AS PLYWOOD, MULCH OR A COMBINATION TO REDUCE COMPACTION AND DAMAGE TO THE ROOTS.
5. ROOT PRUNING WILL OCCUR PRIOR TO ANY EXCAVATION WITHIN THE TREE CPZ. THIS PRUNING SHOULD BE DONE 8" OUTSIDE THE LINE OF EXCAVATION WHERE IT INTERSECTS THE CPZ OF THE TREE. ALL PRUNED OR EXPOSED ROOTS WILL BE COVERED AS SOON AS POSSIBLE WITH TOPSOIL, MULCH, OR OTHER ORGANIC MEDIUM. THE PRUNING SHOULD OCCUR AT THE SAME DEPTH AS THE EXCAVATION FOR THE SIDEWALK AND OTHER FEATURES. ROOTS LARGER THAN 2.5" IN DIAMETER SHALL BE PRUNED UNDER DIRECT SUPERVISION OF A CERTIFIED ARBORIST. THIS METHOD IS COMPLETED BY HAND AND REDUCES THE DAMAGE TO THE REMAINDER OF THE TREE'S ROOTS.
6. FOLLOWING ROOT PRUNING AND THROUGH SUBSTANTIAL COMPLETION OF THE PROJECT, THE TREES SHOULD BE WATERED AT THE RATE EQUIVALENT TO 1" OF RAINFALL PER WEEK DURING CONSTRUCTION. WATERING CAN BE ADJUSTED AS REQUIRED BY WEATHER CONDITIONS.
7. ANY SOIL EXCAVATED WHILE WORKING AROUND THE ROOTS SHALL BE IMMEDIATELY BACKFILLED WHEN COMPLETED TO PREVENT FURTHER DAMAGE TO THE ROOTS.
8. PERIODIC MONITORING OF THE TREE PROTECTION MEASURES SHALL OCCUR AS NEEDED TO ENSURE THAT THEY ARE IN PLACE, NOT DAMAGED AND INSTALLED CORRECTLY.
9. MITIGATION MEASURES SHALL BE COMPLETED BY OR UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.

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2851 REMINGTON GREEN CIRCLE
TALLAHASSEE, FLORIDA, 32308
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FL CA 00030572

DATE	BY	REVISIONS
09/03/25	DIS	REVISED PER PRE-BID RFI #27

FLORIDA SHERIFFS ASSOCIATION EXPANSION

DEMOLITION PLAN

FLORIDA

LEON COUNTY

SEAN K. MARSTON, P.E.
LICENSE NUMBER 55987

DRAWN BY:	D.I.S.
CHECKED BY:	S.K.M.
DATE:	08/27/2025

SHEET	C-102
PROJECT No.	24048.00

September 3, 2025 (11:59:24 EST)
F:\24048.00 - FLORIDA SHERIFFS ASSOC. EXPANSION\CAD\DEMP\24048.00 DEMO.DWG

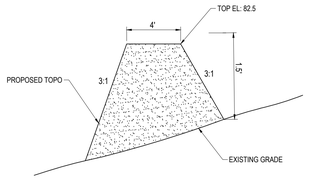
30 0 15 30
1 Inch = 30 Feet

LEGEND

- LIMITS OF DISTURBANCE
- TP — TREE PROTECTION
- SF — SILT FENCE
- HB — CONSTRUCTION/SAFETY FENCING WITH HAY BALES
- CONSTRUCTION ENTRANCE
- DBI INLET PROTECTION BARRICADE
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE IMPACTED

CONSTRUCTION SEQUENCE:

1. SCHEDULE A PRECONSTRUCTION CONFERENCE WITH ALL PERMITTING AGENCIES INVOLVED INCLUDING CITY OF TALLAHASSEE, COT WATER RESOURCES AND ALL OTHER UTILITY PROVIDERS.
2. CONTRACTOR SHALL FILE NPDES NOTICE WITH FDEP 48 HOURS PRIOR TO INITIATING CONSTRUCTION.
3. BEGIN PHASE 1 EROSION CONTROL ACTIVITIES.
4. INSTALL EROSION CONTROL AND TREE PROTECTION MEASURES, CLEARING AND GRUBBING ACTIVITIES CAN NOT COMMENCE UNTIL EROSION CONTROLS ARE INSPECTED AND APPROVED BY THE COT ENVIRONMENTAL INSPECTOR.
5. CLEARING AND GRUBBING ACTIVITIES FOR THE REMAINDER OF THE SITE, INCLUDING DEMOLITION OF THE EXISTING STRUCTURES.
6. CONSTRUCT STORM DRAINS AND APPURTENANT WORKS, INSTALL INLET EROSION CONTROLS AND OUTFALL EROSION CONTROLS AS REQUIRED BY THE PLANS.
7. CONSTRUCT SEWER, WATER, ELECTRICAL, GAS AND ALL OTHER UTILITY SYSTEMS
8. PREPARE SUBGRADE AND CONSTRUCT CURB AND GUTTER.
9. CONSTRUCT LIMEROCK BASE AND INLET TOPS.
10. CONSTRUCT STRUCTURAL LAYER OF ASPHALT (1" , SP 9.5).
11. CONSTRUCT SIDEWALKS
12. INSTALL ALL LANDSCAPING AND IRRIGATION, STABILIZE DISTURBED AREAS (NOT SODDED OR PAVED) WITH SEED AND MULCH. SOD ALL OTHER AREAS AS REQUIRED BY THE PLANS.
13. COMPLETE SITE WORK AND GRADING
14. COMPLETE AS-BUILTS OF ALL SITE WORK IMPROVEMENTS AND SCHEDULE A EMP CLOSEOUT WALK THROUGH WITH COT AND ENGINEER. COMPLETE AS-BUILTS MUST BE PROVIDED TWO WEEKS PRIOR TO REQUESTING A MEETING WITH COT ENVIRONMENTAL INSPECTOR.
15. COMPLETE ALL PUNCH LIST ITEMS FROM THE WALK THROUGH, ADJUST AS-BUILTS AS NECESSARY
16. INSTALL SIGNS AND CONSTRUCT FINAL SURFACE COURSE (1" SP 9.5). INSTALL FINAL PAVEMENT MARKINGS.
17. AS-BUILTS FOR GRADING/DRAINAGE AND LANDSCAPING, PE COMPLIANCE REPORT, AND STORMWATER OPERATING PERMIT APPLICATION SHALL BE SUBMITTED TO COT AT LEAST 10 DAYS PRIOR TO REQUEST FOR FINAL INSPECTION.
18. CONTRACTOR SHALL FILE ALL REQUIRED DOCUMENTATION WITH THE RELATED CITY DEPARTMENTS (ENVIRONMENTAL, BUILDING, WATER/SEWER, ELECTRICAL, ETC...) AND OBTAIN FINAL INSPECTION APPROVALS AND LETTERS OF ACCEPTANCE.
19. CONTRACTOR SHALL FILE THE FDEP NPDES NOTICE OF TERMINATION REQUEST.



STORMWATER RUN-OFF BERM DETAIL

NTS

URBAN CATALYST CONSULTANTS, INC.
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TALLAHASSEE, FLORIDA, 32308
PHONE: (850) 999-4241
WWW.UCCENG.COM
FL CA 00030572

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

Clemons, Rutherford & Associates Inc.

Architects
Planners
Interior Designers
Construction Managers

2027 Thomasville Road
Tallahassee, Florida 32308

(850) 385-6153
Fax (850) 386-8420
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cra@clemons-rutherford.com

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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
100% CD	07-18-25	P. WHITAKER	S. MARSTON

REVISIONS

#	DATE	COMMENTS
1		
2		
3		
4		
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6		
7		
8		

CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE

EROSION AND CONTROL PLAN

C-102.1

30 0 15 30
1 Inch = 30 Feet

SITE DATA TABLE

PROJECT NAME: FLORIDA SHERIFFS ASSOCIATION EXPANSION
ADDRESS: 2521 MAHAN DR & 2617 MAHAN DR, TALLAHASSEE , FL 32308
PARCEL ID: 112870 N0010 & 112870 N0020
ZONING: OR-3 - OFFICE RESIDENTIAL

Total Site Area: 5.2 AC.	226,619 SF	100 %
Total Existing Impervious Area:	84,421 SF	37.3 %
Building(s) Footprint:	16,650 SF	7.3 %
Vehicle Use Area:	54,971 SF	24.3 %
Misc Concrete:	12,800 SF	5.6 %
Existing Impervious Area (To Removed):	34,362 SF	15.2 %
Building(s) Footprint:	6,875 SF	53.7 %
Vehicle Use Area:	24,605 SF	10.9 %
Misc Concrete:	2,882 SF	1.3 %
Existing Open Space:	142,198 SF	62.7 %
Proposed Impervious Area:	79,000 SF	34.9 %
Building(s) Footprint:	17,999 SF	7.9 %
Vehicle Use Area:	49,221 SF	21.7 %
Misc Concrete:	11,780 SF	5.2 %
Proposed Building Gross SF:	37,114 SF	
1st Floor Youth Learning Center	10,833 SF	
2nd Floor Youth Learning Center	12,248 SF	
1st Floor Blackburn-Hunt Building	7,166 SF	
2nd Floor Blackburn-Hunt Building	6,867 SF	
Total Impervious (Exist to Remain and Prop.)	129,059 SF	56.9 %
Proposed Open Space:	97,560 SF	43.1 %
Mximim Allowed Building Height:	3 Stories	
Setbacks:		
Front	15 FT	
Side Interior	15 FT	
Rear	10 FT	
Landscape Islands:		
Lanscape Islands Required:	18 Islands	
Existing (TEM090082) Landscape Islands:	6 Islands	
Proposed Landscape Islands Provided:	12 Islands	
Parking:		
Total Provided Parking Spaces:	95 Spaces	
Total Required Accessible Parking Spaces:	4 Spaces	
Total Accessible Parking Spaces Provided:	4 Spaces	
Bicycle Parking:		
Total Required Bicycle Parking (.10 per space):	8 Spaces	
Total Provided Bicycle Parking:	18 Spaces	
Project Density / Intensity:	3,461 SF/AC	

NOTES:
1. ALL PROVISIONS OF THE TALLAHASSEE LAND DEVELOPMENT CODE SHALL BE APPLICABLE, AND WHEN IN CONFLICT HEREWITH, THE STRICTER PROVISION SHALL APPLY.
2. ALL EXTERIOR LIGHTING SHALL BE TOTAL CUTOFF TYPE (i.e. DIRECTED DOWNWARD AND CAPPED) AND SHALL BE RECESSED OR SHIELDED TO CONCEAL THE LIGHT SOURCE. LIGHT FIXTURES SHALL BE 15 FT. MAXIMUM HEIGHT ABOVE GRADE.
3. ALL PROVISIONS OF THE TALLAHASSEE LDC CHAPTER 7, SIGN CODE, SHALL BE APPLICABLE, AND WHEN IN CONFLICT HEREWITH, THE STRICTER PROVISION SHALL APPLY.
4. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO MUTCD STANDARDS.
5. CONTACT FDOT MIDWAY OFFICE TO OBTAIN THE RIGHT-OF-WAY MANAGEMENT PERMIT PRIOR TO ANY WORK WITH IN FDOT RIGHT OF WAY. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT FDOT DESIGN STANDARDS.
6. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING CONDITIONS WITHIN THE RIGHT OF WAY CAUSED DURING CONSTRUCTION. CONTRACTOR SHALL REPLACE ANY CURB AND GUTTER, AND/OR, OTHER INFRASTRUCTURE DAMAGED DURING CONSTRUCTION.
7. THE CONTRACTOR IS RESPONSIBLE FOR PHOTOGRAPHICALLY DOCUMENTING ALL EXISTING CONDITIONS PRIOR TO AND CONSTRUCTION ACTIVITY.
8. THE CONTRACTOR IS RESPONSIBLE TO RETURNING ALL EXISTING CONDITIONS WITHIN TO RIGHT OF WAY TO A PRE-CONSTRUCTION CONDITION OR BETTER.
9. THE SITE MUST ABIDE BY SITE LIGHTING STANDARDS IDENTIFIED IN SECTION 10-427.

Redevelopment Area Requirements

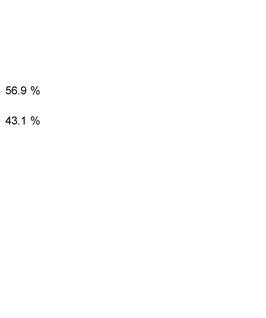
		Num.	Square Feet	Percentage
Existing Conditions:	***Total Area of Site***		226,619	
	Total Existing Impervious Area		84,421	37.3%
	Type II Redevelopment portion of site		142,198	62.7%
	Existing VUA		54971	
Proposed Conditions:	***Development Components***			
	Total Vehicle Use Area (VUA)		79,587	
	Green Space Components			
	Required Urban Forest and Landscaping Area		56,879	25.1%
	Minimum Preserved Urban Forest Area		14,220	6.3%
	Required VUA Interior Landscape Area		5,210	
	Number of Interior Landscape areas required		14	

URBAN FOREST CALCULATIONS:
EXISTING URBAN FOREST AREA = 9,555 SF
PLANTED URBAN FOREST AREA = 2,981 SF
TYPE D BUFFER AREA = 16,379 SF (CREDITED TO URBAN FOREST)

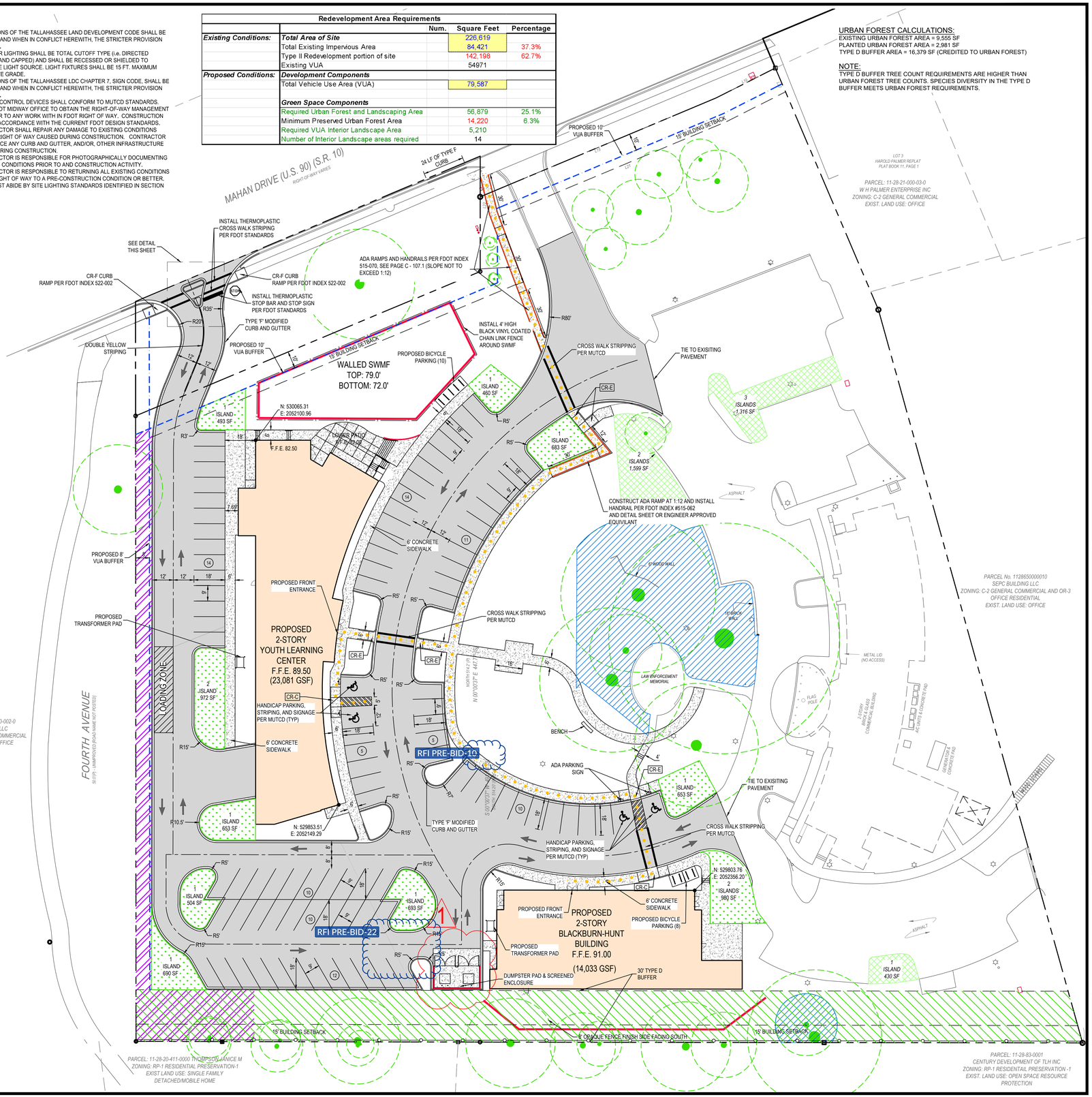
NOTE:
TYPE D BUFFER TREE COUNT REQUIREMENTS ARE HIGHER THAN URBAN FOREST TREE COUNTS. SPECIES DIVERSITY IN THE TYPE D BUFFER MEETS URBAN FOREST REQUIREMENTS.

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED BUILDING
- EXISTING LANDSCAPE ISLANDS
- PROPOSED LANDSCAPE ISLANDS
- 30' TYPE "D" LANDSCAPE BUFFER
- EXISTING URBAN FOREST
- PLANTED URBAN FOREST
- DIRECTIONAL TRAFFIC FLOW
- PROPOSED ADA ROUTE
- PROPOSED VUA BUFFER
- CR-X ADA RAMP PER FDOT



WEST DRIVEWAY ISLAND DETAIL
SCALE: 1"=10'



URBAN CATALYST CONSULTANTS, INC.
2851 REMINGTON GREEN CIRCLE
TALLAHASSEE, FLORIDA, 32308
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FL CA 00030572

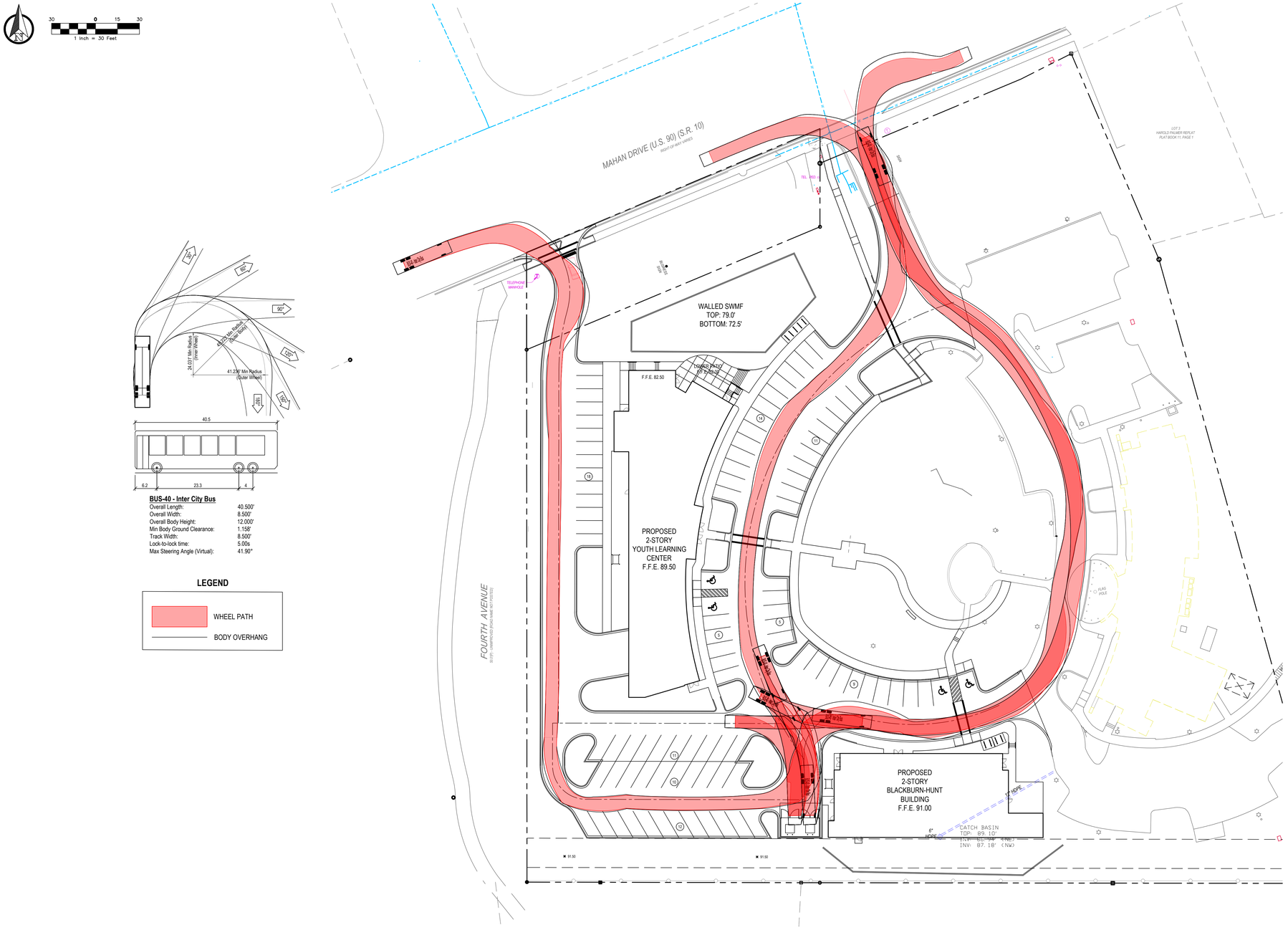
DATE	BY	REVISIONS
8/22/25	SKM	RFI REVISIONS

FLORIDA SHERIFFS ASSOCIATION EXPANSION
SITE LAYOUT PLAN
LEON COUNTY FLORIDA

SEAN K. MARSTON, P.E.
LICENSE NUMBER 55987

DRAWN BY:	D.I.S.
CHECKED BY:	S.K.M.
DATE:	07/11/2025
SHEET	C-103
PROJECT No.	24048.00

August 22, 2025 (14:30:07 EST)
F:\24048.00 - FLORIDA SHERIFFS ASSOC. EXPANSION\CAD\SITE PLAN\24048.00 OVERALL SITE PLAN.DWG



BUS-40 - Inter City Bus

Overall Length:	40.500'
Overall Width:	8.500'
Overall Body Height:	12.000'
Min Body Ground Clearance:	1.158'
Track Width:	8.500'
Lock-to-lock time:	5.00s
Max Steering Angle (Virtual):	41.90°

LEGEND

WHEEL PATH

BODY OVERHANG

URBAN CATALYST CONSULTANTS, INC.
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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

Clemons, Rutherford & Associates Inc.

Architects
Planners
Interior Designers
Construction Managers

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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
100% CD	07-15-25	P. WHITAKER	S. MARSTON

REVISIONS

#	DATE	COMMENTS
1		
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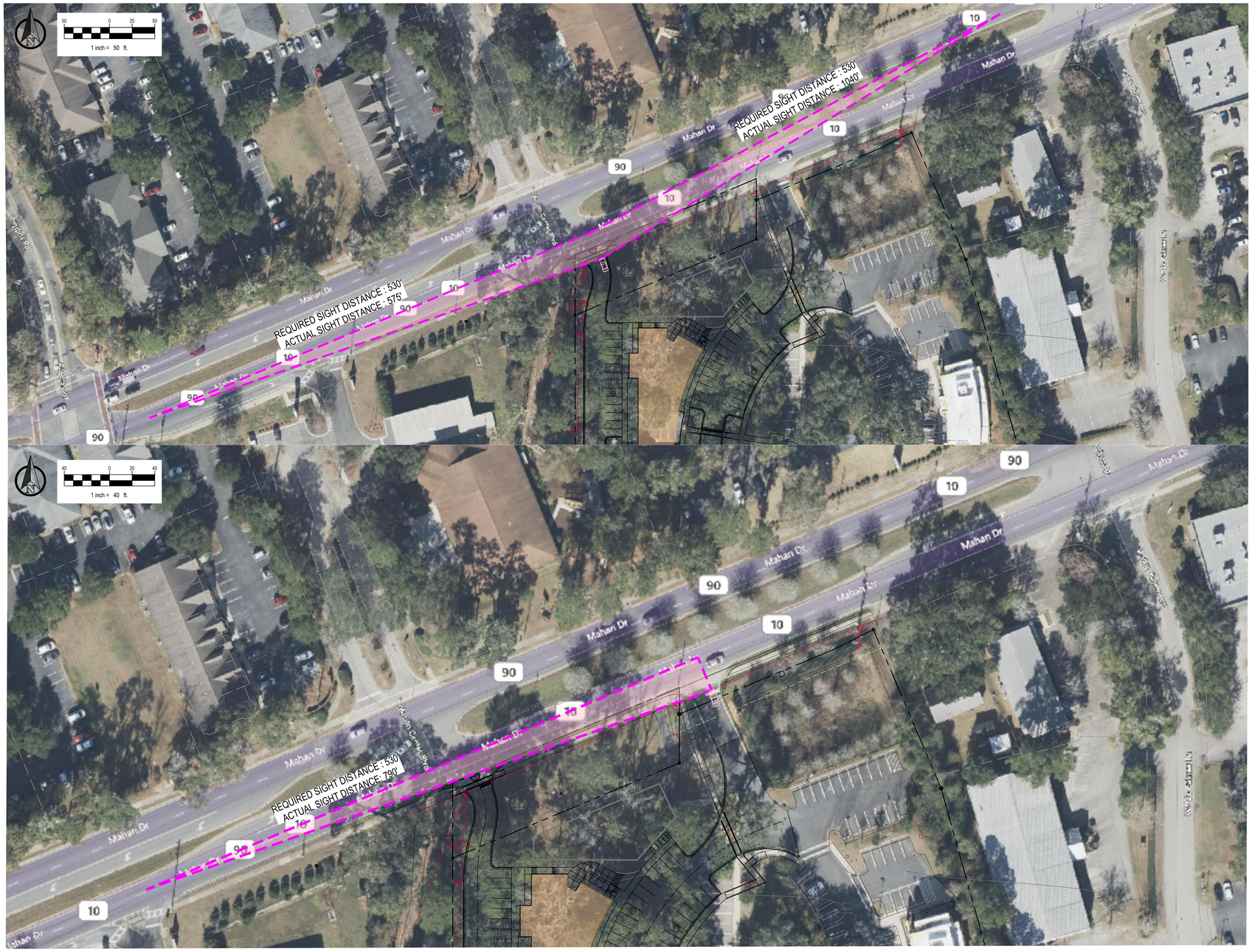
CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE

TRAFFIC MOBILITY PLAN

C-104



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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
100% CD	07-18-25	P. WHITAKER	S. MARSTON

REVISIONS

#	DATE	COMMENTS
1		
2		
3		
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6		
7		

CRA PROJ. #: 24029
PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
SIGHT DISTANCE PLAN

C-104.1

30 0 15 30
1 Inch = 30 Feet

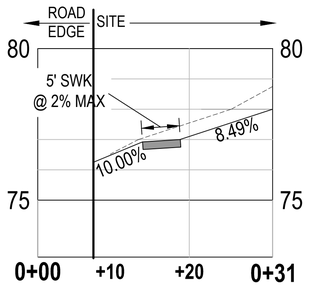
CONTRACTOR NOTICE 2023 (effective December 31, 2023)

The Contractor & Owner will be held accountable during construction for all site improvements. Compliance with Florida Statutes 553.5041 (F.S.), and the ***2023 Florida Building Code, Accessibility, 8th Edition*** (FBC-A), is mandatory. If non-compliant at final inspection, contractor will be required to modify construction to comply with F.S. FBC-A & FBC-B. The following items take precedence and supersede other site details on drawings:

1. ACCESSIBLE PARKING spaces shall be located on an accessible route no less than 44" wide so that users will not be compelled to walk or wheel behind parked vehicles except behind his or her own vehicle. Re: §208.3 & §502.3, FBC-A and F.S. 553.5041. -
2. ACCESSIBLE PARKING spaces and access aisles serving a particular building shall be located on the shortest accessible route from the accessible (H/C) parking to an accessible entrance. §208.3.1 FBC-A & F.S. 553.5041(5)(b).
3. ACCESSIBLE PARKING spaces shall be 12 ft wide & outlined with blue paint. §502.2 & §502.6 FBC-A,
4. ACCESS AISLES required adjacent to parking spaces shall be 5 ft wide with diagonal striping. §502.3.1, FBC-A
5. ACCESSIBLE PARKING and access aisles shall be level (not to exceed 1:48) on a stable, firm & slip resistant surface. Re: §302.1 & §502.4. FBC-A
6. ACCESSIBLE PARKING IDENTIFICATION signs shall be FDOT approved and shall read 'PARKING BY DISABLED PERMIT ONLY' and shall indicate a $250 fine for illegal use. Install signs a *minimum 60 inches* from the ground to the bottom of the sign(s). Re: §502.6 FBC-A and F.S 553.5041.
7. CURB RAMPS shall not exceed 1:12 slope, and curb ramp flares shall not exceed 1:10 slope. Curb ramps and flared sides shall not encroach upon parking spaces, access aisles, or vehicular traffic lanes. The counter slope of adjacent road surfaces & gutters shall not exceed 1:20. Re: §405.2 & §406., FBC-A
8. CURB RAMPS shall have a landing with a minimum clear length and width of 36" shall be located at the top side of each curb ramp, a clear width at least as wide as the curb ramp (excluding flared sides) leading to it. Exception: for alterations, where there is no landing, curb ramp flares shall be provided, and shall not be steeper than 1:12 slope. Re: §406.4 FBC-A
9. ALL RAMPS with a rise greater than 6 inches shall provide edge protection complying with §405.9 FAC-A. Ramps shall have 60 inches min level landings at the top & bottom. Re: §405.7. FBC-A.
10. ALL RAMPS with a rise greater than 6" shall have handrails on both sides with 12" horizontal extensions at the top & bottom of the ramp. *Maximum rise of a ramp run is 30 inches on an accessible route.* Re: §1012.8 FBC-B (Florida Building Code - Building) and §505.10 FBC-A.
11. ACCESSIBLE ROUTES to "main entry" from an accessible parking space, and from the "public way", shall not exceed 1:20 slope unless ramps with proper handrails & handrail extensions are provided AND with a cross slope not in excess of 1:48. Re: §206, §402 and §403., FBC-A.
12. *Connect buildings within the same site with an accessible route which shall not exceed 1:20 slope (unless ramps and handrails are provided) and a maximum cross slope of 1:48. Re: §206 FBC-A.

* **EXCEPTION:** An accessible route shall not be required between accessible buildings, accessible facilities, accessible elements, and accessible spaces if the only means of access between them is a vehicular way not providing pedestrian access. Re: §206.2.2 FBC-A

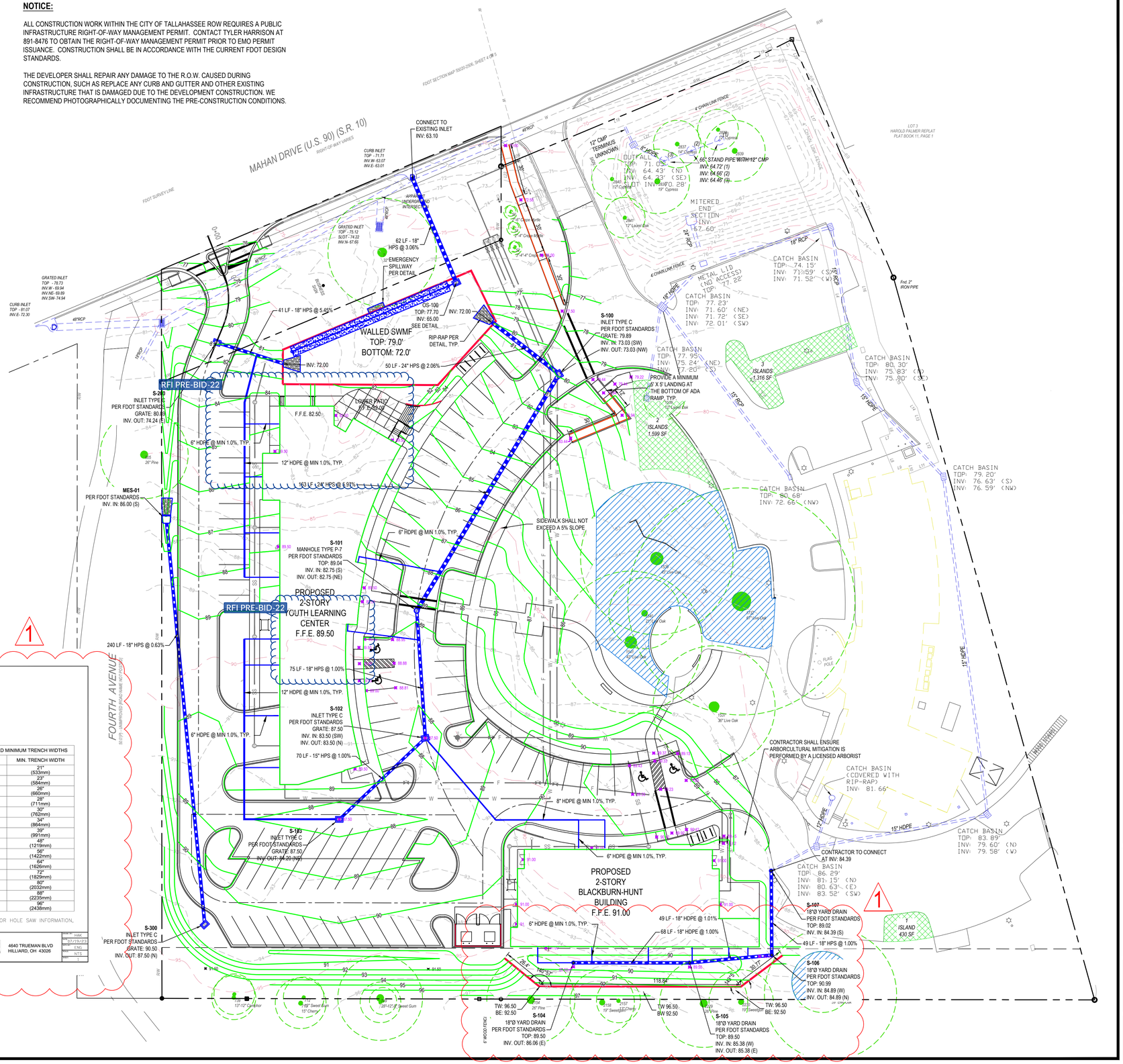
WEST DRIVEWAY ENTRANCE



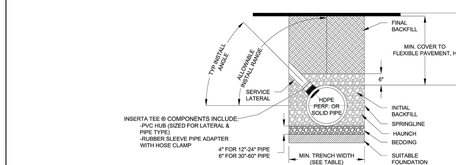
NOTICE:

ALL CONSTRUCTION WORK WITHIN THE CITY OF TALLAHASSEE ROW REQUIRES A PUBLIC INFRASTRUCTURE RIGHT-OF-WAY MANAGEMENT PERMIT. CONTACT TYLER HARRISON AT 891-8476 TO OBTAIN THE RIGHT-OF-WAY MANAGEMENT PERMIT PRIOR TO EMO PERMIT ISSUANCE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT FDOT DESIGN STANDARDS.

THE DEVELOPER SHALL REPAIR ANY DAMAGE TO THE R.O.W. CAUSED DURING CONSTRUCTION, SUCH AS REPLACE ANY CURB AND GUTTER AND OTHER EXISTING INFRASTRUCTURE THAT IS DAMAGED DUE TO THE DEVELOPMENT CONSTRUCTION. WE RECOMMEND PHOTOGRAPHICALLY DOCUMENTING THE PRE-CONSTRUCTION CONDITIONS.



INSERTA TEE ® DETAIL (HDPE)



INSERTA TEE ® COMPONENTS INCLUDE:
-PVC HUB (SIZED FOR LATERAL & PIPE TYPE)
-RUBBER SLEEVE PIPE ADAPTER WITH HOSE CLAMP
4" FOR 12"-24" PIPE
6" FOR 30"-60" PIPE

RECOMMENDED MINIMUM TRENCH WIDTHS	
PIPE DIAM.	MIN. TRENCH WIDTH
4" (100mm)	21" (533mm)
6" (150mm)	23" (584mm)
8" (200mm)	26" (660mm)
10" (250mm)	28" (711mm)
12" (300mm)	30" (762mm)
15" (375mm)	34" (864mm)
18" (450mm)	39" (991mm)
24" (600mm)	48" (1219mm)
30" (750mm)	56" (1422mm)
36" (900mm)	64" (1626mm)
42" (1050mm)	72" (1829mm)
48" (1200mm)	80" (2032mm)
54" (1350mm)	88" (2235mm)
60" (1500mm)	96" (2438mm)

NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
2. MEASURES SHO
3. THE INSERTA TEE
GREATER ANGLES
4. FOUNDATION: W
ENGINEER AND REF
THE DESIGN ENGIN
5. BEDDING: SUITA
SPECIFICATION TO E
4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
6. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
7. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

where can we expect to find this? Strom water pond?

NOTE: FOR INSTALLATION INSTRUCTIONS, REFER TO DETAIL STD-1100. FOR PROTRUSION INFORMATION, REFER TO DETAIL STD-1101. FOR HOLE SAW INFORMATION, REFER TO DETAIL STD-1102.

ADVANCED DRAINAGE SYSTEMS, INC. ("ADS") HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT. NOR HAS ADS REVIEWED THE SUITABILITY OF THIS DETAIL FOR USE AT THE JOB SITE. ADS DOES NOT REVIEW OR APPROVE SITE CONDITIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEERS RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEETS OR EXCEEDS THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

INSERTA TEE DETAIL (HDPE)	ADS 4640 TRUEMAN BLVD HILLIARD, OH 43026
DRAWING NUMBER STD-1011	DATE 07/19/23 ENG. NTS REV 1

URBAN CATALYST CONSULTANTS, INC.
2851 REMINGTON GREEN CIRCLE
TALLAHASSEE, FLORIDA, 32308
PHONE: (850) 999-4241
WWW.UCCENG.COM
FL CA 00030572

DATE	BY	REVISIONS
8/22/25	SKM	RFI REVISIONS

FLORIDA SHERIFFS ASSOCIATION EXPANSION

GRADING PLAN

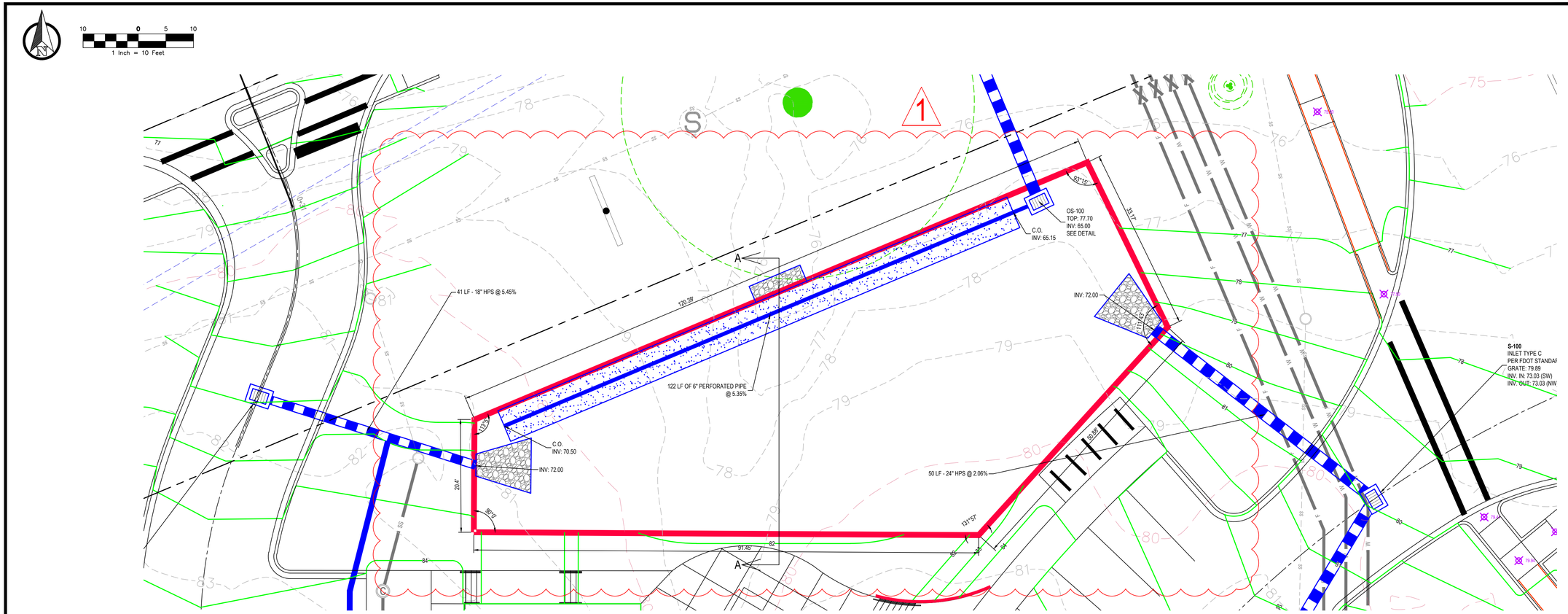
LEON COUNTY FLORIDA

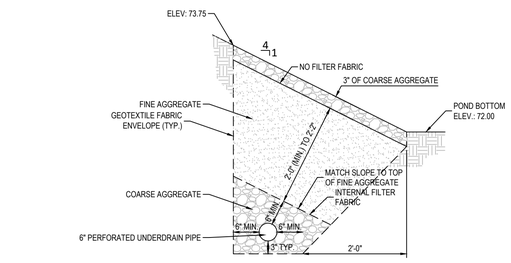
SEAN K. MARSTON, P.E.
LICENSE NUMBER 55987

DRAWN BY:	D.I.S.
CHECKED BY:	S.K.M.
DATE:	07/11/2025

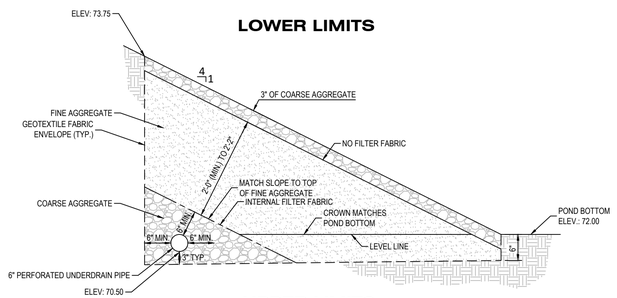
SHEET	C-105
PROJECT No.	24048.00

August 25, 2025 (15:02:07 EST)
F:\24048.00 - FLORIDA SHERIFFS ASSOC- EXPANSION\CAD\SITE PLAN\24048.00 GRADING PLAN.DWG





LOWER LIMITS



UPPER LIMITS

FDOT INDEX 440-001 SIDE BANK SAND FILTER DETAIL
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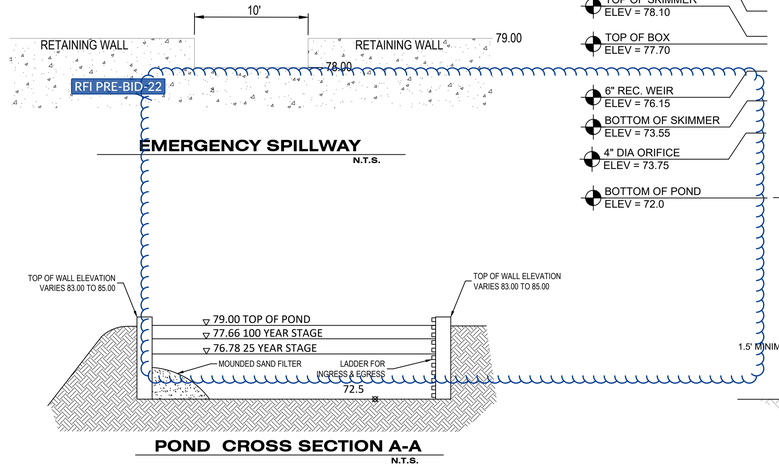
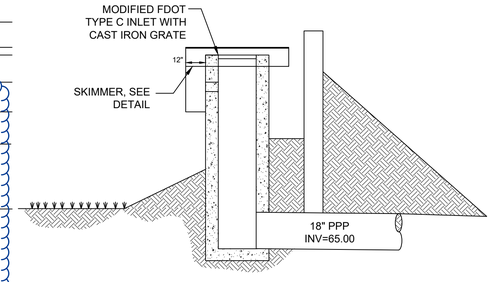
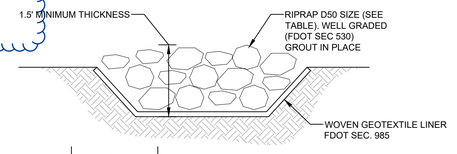


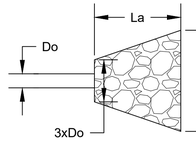
EMERGENCY SPILLWAY
N.T.S.

POND CROSS SECTION A-A
N.T.S.



CONTROL STRUCTURE OS-100 DETAIL
N.T.S.





RIP RAP SIZING				
OUTFALL	Do	La	W	D50
A-1	7.5'	12'	14.5'	6"
B-1	7.5'	12'	14.5'	6"
C-1	7.5'	12'	14.5'	6"

RIP RAP DETAIL
N.T.S.

URBAN CATALYST CONSULTANTS, INC.
2851 REMINGTON GREEN CIRCLE
TALLAHASSEE, FLORIDA, 32308
PHONE: (850) 999-4241
WWW.UCCENG.COM
FL CA 00030572

	DATE	BY	REVISIONS
1	8/22/25	SKM	RFI REVISIONS

FLORIDA SHERIFFS ASSOCIATION EXPANSION

SWMF DETAIL SHEET

LEON COUNTY FLORIDA

SEAN K. MARSTON, P.E.
LICENSE NUMBER 59987

DRAWN BY:	D.I.S.
CHECKED BY:	S.K.M.
DATE:	07/11/2025

SHEET	C-105.1
PROJECT No.	24048.00

August 22, 2025 (11:26:08 EST)
F:\24048.00 - FLORIDA SHERIFFS ASSOC. EXPANSION\CAD\SITE PLAN\24048.00 SWMF DETAILS.DWG

30 0 15 30

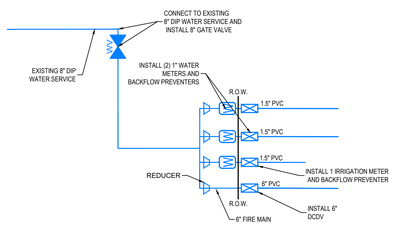
1 Inch = 30 Feet

NOTES:

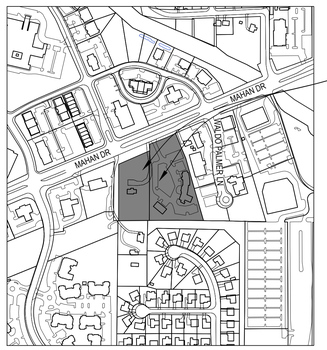
1. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION.
2. ALL WATER AND SEWER CONSTRUCTION MUST CONFORM TO THE CITY OF TALLAHASSEE "STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER FACILITIES", LATEST EDITION.
3. FIRE MAIN SHALL BE INSTALLED WITH MIN. 36" OF COVER UNDER DRIVING SURFACES AND 30" OF COVER UNDER NON-DRIVING SURFACES.
4. FIRE MAIN PIPING SHALL NOT BE COVERED UNTIL INSPECTED BY THE TALLAHASSEE FIRE DEPARTMENT.
5. FIRE HYDRANT SHALL BE A MINIMUM OF 24" ABOVE GRADE MEASURED TO THE CENTER OF THE STEAMER NOZZLE.
6. STEAMER NOZZLE TO FACE ROADWAY OR NEAREST POINT OF FIRE DEPARTMENT APPARATUS ACCESSIBILITY WHEN PLACED IN SERVICE.
7. WHERE UNDERGROUND UTILITIES CONFLICT WITH PROPOSED PLANTINGS, TREE PLACEMENT SHALL BE A MINIMUM OF TEN FEET FROM THE UNDERGROUND UTILITY OR A ROOT BARRIER OF TWO FEET DEEP SHALL BE INSTALLED.
8. WATER METERS SHALL BE LOCATED IN GREEN AREAS AND NOT WITHIN PAVEMENT, SIDEWALKS, DRIVEWAYS, ETC.
9. SELECT FILL IS REQUIRED FOR WATER AND SEWER INFRASTRUCTURE LOCATED BENEATH PAVEMENT/CURB. SUITABLE MATERIAL WILL BE ALLOWED IN ALL OTHER LOCATIONS.
10. A MINIMUM OF 36" OF CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF EQUIPMENT TO PERMIT ACCESS AND OPERATION OF FIRE PROTECTION EQUIPMENT.
11. A SEPARATE PERMIT IS REQUIRED FOR NEW WATER AND SEWER SERVICES.

FIRE DEPARTMENT NOTES:

1. DEPTH OF FIRE MAIN PIPING TO TOP OF PIPE:
   36" MINIMUM UNDER DRIVING SURFACES
   30" MINIMUM UNDER NON-DRIVING SURFACES
2. FIRE MAIN PIPING SHALL NOT BE COVERED UNTIL INSPECTED BY THE TALLAHASSEE FIRE DEPARTMENT.
3. FIRE HYDRANTS SHALL BE A MINIMUM OF 24" ABOVE GRADE MEASURED TO THE STEAMER NOZZLE.
4. STEAMER NOZZLE TO FACE ROADWAY OR NEAREST POINT OF FIRE DEPARTMENT APPARATUS ACCESSIBILITY WHEN PLACED IN SERVICE.
5. HYDRANT FLOW TEST IS REQUIRED TO BE WITNESSED BY THE TALLAHASSEE FIRE DEPARTMENT.
6. CLEARANCE OF 3' SHALL BE MAINTAINED TO THE FRONT, SIDES AND REAR OF ALL FIRE APPLIANCES (i.e., HYDRANTS, BACKFLOW PREVENTORS, POST INDICATOR VALVES, FIRE DEPARTMENT CONNECTIONS).
7. A CLEAR SPACE OF NOT LESS THAN 5' SHALL BE PROVIDED IN FRONT OF EACH HYDRANT CONNECTION HAVING A DIAMETER GREATER THAN 2 1/2".
8. ALL FIRE SERVICE PIPING SHALL MEET NFPA 13R CODE.

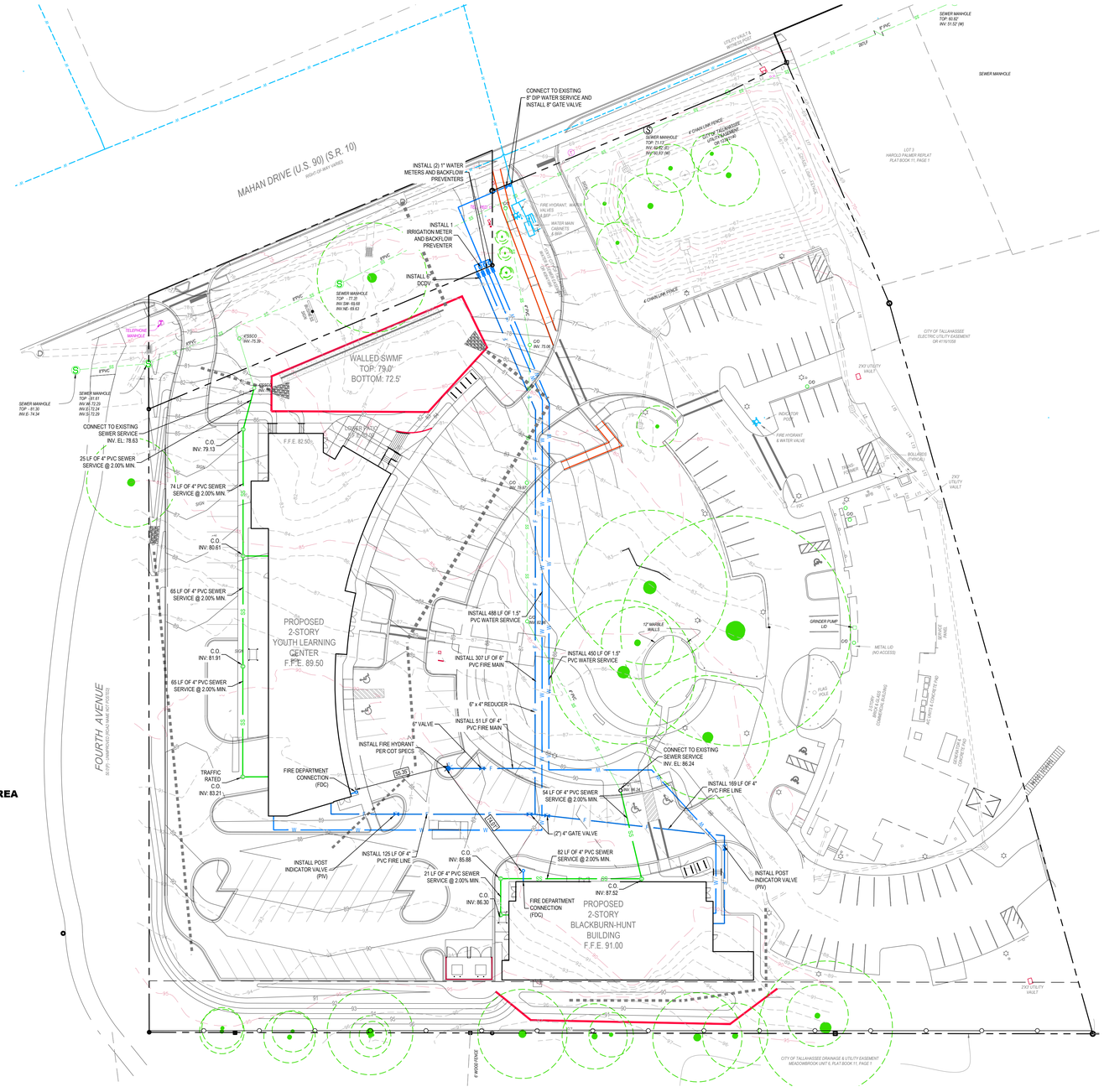


WATER UTILITY CONNECTION



LOCATION MAP

1" = 400'



URBAN CATALYST CONSULTANTS, INC.
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FL CA 00030572

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

Clemons, Rutherford & Associates Inc.

Architects
Planners
Interior Designers
Construction Managers

2027 Thomasville Road
Tallahassee, Florida 32308

(850) 385-6153
Fax (850) 386-8420
e-mail
cra@clemons-rutherford.com

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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
100% CD	07-18-25	P. WHITAKER	S. MARSTON

REVISIONS

#	DATE	COMMENTS
1		
2		
3		
4		
5		
6		
7		

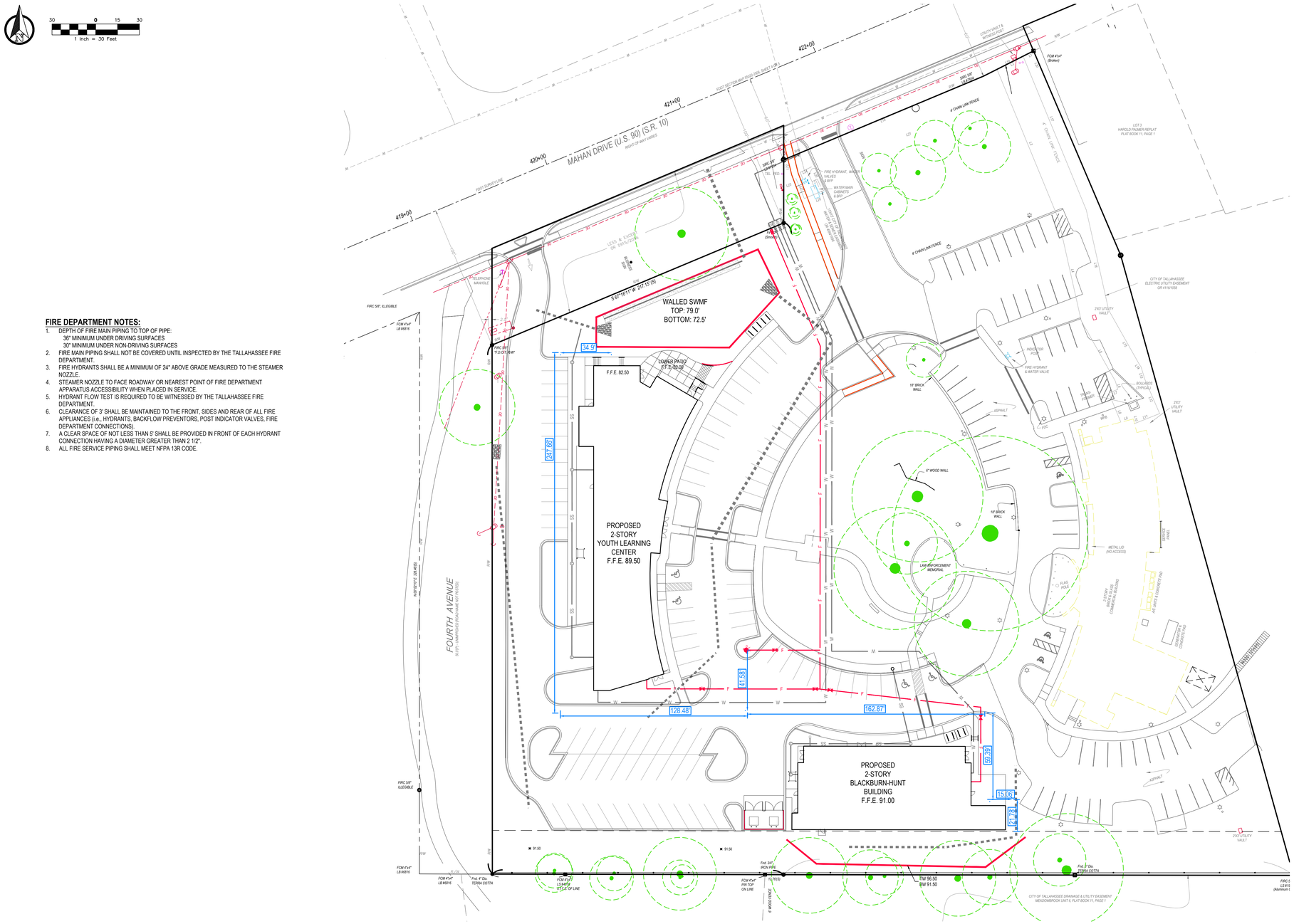
CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE

UTILITY PLAN

C-106


30 0 15 30
1 Inch = 30 Feet
MAHAN DRIVE (U.S. 90) (S.R. 10)
RIGHT-OF-WAY VARIES
421+00
420+00
419+00
FOOT SURVEY MH
FOOT SURVEY HH
FOOT SURVEY HH
FOOT SURVEY MH
FOOT SURVEY MH
FOOT SURVEY M

LANDSCAPE NOTES:

1. LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING LANDSCAPE.
2. NO TRENCHING OR EXCAVATION SHALL BE ALLOWED WITHIN THE CPZ OF PROTECTED TREES, EXCEPT WHERE DEBITS OR AN ARBORICULTURAL MITIGATION PLAN HAVE BEEN NOTED ON THE PLANS.
3. INSTALL ONLY PLANTS GRADED FLORIDA #1 OR BETTER. ALL REVISIONS SHALL MEET OR EXCEED THE SIZES INDICATED HEREIN.
4. ALL ORNAMENTAL SIGNS, LANDSCAPING, IRRIGATION FACILITIES AND THE LIKE ARE THE PROPERTY AND MAINTENANCE RESPONSIBILITY OF THE OWNERS.
5. ALL PLANT MATERIALS SHALL BE HEALTHY, WELL-PROPORTIONED, DISEASE FREE, PEST FREE, AND HARDY FOR THE NORTH FLORIDA REGION. ALL PLANTINGS SHALL BE MINIMUM FLORIDA NO. 1 OR BETTER PLANT MATERIAL AS DESCRIBED IN "GRADES AND STANDARDS FOR NURSERY PLANTS, PART I 1963 AND PART 2, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
6. THE PLANTING VOLUME FOR ONE OR MORE TREES SHALL BE A MINIMUM OF 1,200 CF WITH A PLANTING WIDTH OF 12' AND A DEPTH OF THREE FEET BELOW THE FINISHED GRADE OF THE PLANTING AREA AND REPLACED WITH NON-COMPACTED "FRIABLE" TOPSOIL.
7. PROVIDE IRRIGATION TO ALL LANDSCAPED AREAS.
8. CONTRACTOR MUST WARRANT ALL LANDSCAPING FOR A TERM OF ONE YEAR AFTER ACCEPTANCE. OWNER IS RESPONSIBLE FOR MAINTAINING ALL PLANT MATERIAL IN PERPETUITY OF THE PROJECT. MAINTAINING ALL THE LANDSCAPING ON-SITE SHALL INCLUDE PROPER WATERING, FERTILIZATION, WEEDING, PRUNING, PEST CONTROL AND REPLACEMENT OR REPLANTING IF NECESSARY.
9. THE OWNER MUST ACCEPT RESPONSIBILITY FOR MAINTAINING ALL LANDSCAPING REQUIRED BY THE ENVIRONMENTAL PERMIT IN PERPETUITY.
10. ALL TREES AND SHRUBS MUST BE PLANTED 3 FEET OFF THE EDGE OF PAVEMENT.
11. SOD ALL DISTURBED AREAS INCLUDING SLOPES AND SWALES UNLESS OTHERWISE NOTED.
12. ALL SLOPES SHALL BE SODDED IMMEDIATELY AFTER FINISHED GRADE IS ESTABLISHED.
13. A 36" CLEAR SPACE SHALL BE MAINTAINED TO PERMIT ACCESS TO (AND OPERATION OF) FIRE PROTECTION EQUIPMENT, FIRE DEPARTMENT CONNECTIONS, AND/OR FIRE PROTECTION SYSTEM CONTROL VALVES.
14. TREES PLANTED IN RIGHT OF WAY SHALL NOT OBSTRUCT THE TRAFFIC VIEW FROM ENTRANCE.
15. TALL GROWING TREES SHALL BE PLANTED SUCH THAT UPON REACHING MATURITY THE BRANCHES WILL NOT INTERFERE WITH OVERHEAD ELECTRIC UTILITY FACILITIES. IN ADDITION, LANDSCAPING WITHIN 30' OF OVERHEAD UTILITIES SHALL BE OF A SPECIES THAT REACHES A MAXIMUM HEIGHT OF 15 FEET OR LESS.
16. WHERE UNDERGROUND UTILITIES CONFLICT WITH PROPOSED PLANTINGS, TREE PLACEMENT SHALL BE A MINIMUM OF 10 FEET FROM THE UNDERGROUND UTILITY OR A ROOT BARRIER (DEEPROOT UB 24-2 OR APPROVED EQUAL) MINIMUM TWO FEET DEEP SHALL BE INSTALLED.
17. ANY UNOBSTRUCTED CROSS VISIBILITY BETWEEN TWO AND TEN FEET ABOVE THE CENTERLINE OF THE PUBLIC RIGHT OF WAY SHALL BE MAINTAINED WITHIN THE SIGHT DISTANCE TRIANGLE
18. TREES HAVING LIMBS AND FOLIAGE TRIMMED SO THAT CROSS VISIBILITY WITHIN THE SIGHT TRIANGLE IS NOT OBSCURED SHALL BE ALLOWED TO OVERHANG THE SIGHT TRIANGLE, PROVIDED THE LOCATION OF ANY TREE DOES NOT CREATE A TRAFFIC HAZARD.
19. SHOULD LANDSCAPING WITHIN ROW BECOME A HAZARD. PUBLIC WORKS HAS THE RIGHT TO REMOVE AND NOT REPLACE.
20. A CLEAR SPACE OF NOT LESS THAN 60 INCHES SHALL BE PROVIDED IN FRONT OF EACH HYDRANT CONNECTION HAVING A DIAMETER GREATER THAN 2½ INCHES.
21. PROPOSED VUA AND MISCELLANEOUS LANDSCAPE AREAS AS SHOWN IN THE HATCH LEGEND SHALL BE SODDED UNLESS SPECIFIED FOR ALTERNATE GROUND COVER/PLANTINGS IN A LANDSCAPE PLAN PREPARED BY A LICENSED ARBORIST.

IRRIGATION NOTES:

1. THE OWNER SHALL PROVIDE AN IRRIGATION DESIGN TO THE CITY OF TALLAHASSEE GROWTH MANAGEMENT DEPARTMENT FOR APPROVAL PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE OWNER IS REQUIRED TO PROVIDE AND AUTOMATIC IRRIGATION SYSTEM THAT WILL PROVIDE FULL COVERAGE TO ALL EXISTING AND PROPOSED LANDSCAPING PRIOR TO COMPLETION OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE IRRIGATION PLAN TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. THE PURPOSE OF THE REVIEW WOULD BE TO DETERMINE IMPACT TO EXISTING VEGETATION.
2. ALL LANDSCAPING AREAS DEPICTED HEREIN SHALL BE IRRIGATED BY AUTOMATIC PERMANENT OR TEMPORARY IRRIGATION SYSTEM. LANDSCAPING AREAS SHALL HAVE HEAD-TO-HEAD COVERAGE. ALL MAIN LINES AND SUB-SYSTEM LATERAL PIPING TO IRRIGATION HEADS SHALL BE INSTALLED SO AS NOT TO IMPACT THE CPZ OF ANY EXISTING TREES. IRRIGATION PIPING MAY BE ABOVE GROUND, SO LONG AS THE SYSTEM ACHIEVES THE OBJECTIVE OF PROVIDING A WATER SOURCE TO LANDSCAPE AREAS AND PLANT MATERIALS, AND DOES NOT CONFLICT WITH PEDESTRIANS OR CITY OF TALLAHASSEE MAINTENANCE OPERATIONS.
3. IRRIGATION SYSTEM SHALL BE MAINTAINED AND OPERATED BY THE OWNER.
4. ALL SPRINKLERS SHALL BE ADJUSTED TO PRE-VENT OVER SPRAY ONTO ROADWAYS OR SIDEWALKS, WHILE MAINTAINING 100% COVERAGE OF LANDSCAPE PLANTINGS
5. ALL VALVES SHALL BE IN TRAFFIC BEARING BOXES.
6. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS OF THE IRRIGATION SYSTEM AND LANDSCAPE PLANTINGS. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH INSTRUCTIONS ON OPERATION AND MAINTENANCE. THE CONTRACTOR SHALL PROVIDE THE DEVELOPER OR OWNER WITH A ONE YEAR WARRANTY ON ALL IRRIGATION SYSTEM COMPONENTS.
7. PLACEMENT OF ALL IRRIGATION SYSTEM COMPONENTS SHALL BE OUTSIDE THE COUNTY MAINTAINED ROW, SWMF, AND OR EASEMENTS.

LANDSCAPE MAINTENANCE NOTES:

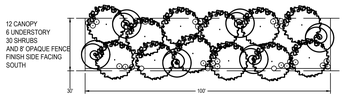
1. PRUNING: PLANTS SHALL BE PRUNED REGULARLY TO REMOVE ALL BROKEN, DEAD AND DISEASED LIMBS, ANY CROSS-RUBBING WOOD, SUCKERS AND WATER SPROUTS. SIGNIFICANT PRUNING SHOULD BE DONE IN LATE WINTER OR SPRING. NEVER REMOVE MORE THAN ONE-QUARTER OF A LIVE TREE CROWN IN A SINGLE YEAR. DO NOT PRUNE WHEN THE FLUSH OF NEW SPRING LEAVES ARE FORMING. DO NOT PRUNE BRANCHES WITH A FLUSH CUT, BUT INSTEAD CUT TO THE OUTSIDE OF THE BRANCH COLLAR. ALL PRUNING CUTS SHALL BE CLEAN AND FREE OF ANY PAINTS OR SEALERS. SPRING FLOWERING SHRUBS SHALL BE PRUNED IMMEDIATELY AFTER SPRING BLOOMING. SUMMER FLOWERING SHRUBS SHALL BE PRUNED IN LATE WINTER. AVOID EXCESSIVE "SHEARING" OF SHRUBS, WHICH PROMOTES UNHEALTHY GROWTH CONDITIONS. PRUNE SHRUBS IN THE SPRING AND SUMMER BY ALTERNATING HEADING BACK AND SHEARING TECHNIQUES. MINIMIZE FALL PRUNING AS THIS ENCOURAGES NEW GROWTH, WHICH IS SUSCEPTIBLE TO COLD DAMAGE. HEDGES SHALL BE TRIMMED SO THAT THE BOTTOM IS WIDER THAN THE TOP. SHRUBS SHALL BE PRUNED NO LESS THAN, BUT NOT LIMITED TO THE REQUIRED HEIGHT OF THE PARTICULAR SITUATION FOR IT IS BEING UTILIZED: I.E. PERIMETER SHRUB AT MINIMUM 30", SIGHT TRIANGLE HEIGHT OF NO HIGHER THAN 3.5 OR 4.25 FEET, OR ANY OTHER VISUAL HEIGHT REQUIREMENTS. MAINTAIN THE SIZE AND PROPORTION OF PLANTS TO ONE ANOTHER AND TO THE LANDSCAPE AS A WHOLE.
2. FERTILIZER: FERTILIZER REQUIREMENTS SHALL BE BASED ON SPECIFIC SITE SOIL ANALYSIS. FERTILIZER MAY BE APPLIED IN THE SPRING AND FALL (USE LOW NITROGEN IN THE FALL). IN THE SPRING BROADCAST 15-5-15 FERTILIZER OVER THE AREA OF ROOT GROWTH AT A RATE OF SIX (6) POUNDS PER 1,000 SQUARE FEET. IN THE FALL BROADCAST 15-5-15, 5-5-20, 5-0-15 OR 5-0-20 FERTILIZER OVER THE AREA OF ROOT GROWTH AT A RATE OF TEN (10) POUNDS PER 1,000 SQUARE FEET. USE A GRANULAR, NON-BURNING PRODUCT WITH MICRONUTRIENTS AND HALF OF THE NITROGEN IS TO BE IN A SLOW RELEASE FORM. FOR AZALEAS, CAMELLIAS, GARDENIAS, AND DOGWOODS, USE A SPECIFIC, ACID-RICH FORMULA. FOR PALMS USE SPECIAL PALM FERTILIZERS WHICH CONTAIN EQUIVALENT RATES OF NITROGEN AND POTASSIUM, MICRONUTRIENTS AND ADDITIONAL MAGNESIUM. FERTILIZER SHALL BE APPLIED PER MANUFACTURERS INSTRUCTIONS. NUTRIENT ABSORPTION WILL BE AFFECTED BY SOIL PH. SPECIFIC EVALUATION OF THIS NUTRIENT / PH RELATIONSHIP MAY BE NECESSARY IF PLANT PERFORMANCE IS LOW.
3. PEST CONTROL: PEST CONTROL SHOULD ONLY BE APPLIED AS NECESSARY. AN INTEGRATED PEST MANAGEMENT SYSTEM FOR ESTABLISHING A HEALTHY ENVIRONMENT FOR PROPER GROWTH CONDITIONS IS THE PREFERRED METHOD FOR PEST CONTROL. NON-TOXIC HORTICULTURAL OIL RECOMMENDED. APPLY A BROAD-SPECTRUM FOLIAR HERBICIDE TO MULCHED AREAS AS NEEDED BY SPOT SPRAYING. APPLY PRE EMERGENT FOLIAR HERBICIDE SPRAY TO LAWNS IN LATE WINTER AND POST EMERGENT FOLIAR HERBICIDE SPRAY TO LAWNS IN EARLY SPRING.
4. MOWING: MOW TURF TO A CONSISTENT HEIGHT OF 2-3" FOR CENTIPEDE AND 3-4" FOR ST. AUGUSTINE AT A MINIMUM OF TWO-WEEK INTERVALS DURING GROWING SEASON. USE MULCHING MOWER TO RECYCLE NUTRIENTS. DE-THATCHING AND AERATION MAY BE PERFORMED EVERY 2-3 YEARS OR AS NEEDED.
5. WATERING: THE MINIMUM WATERING SCHEDULE FOR NEWLY PLANTED MATERIAL SHALL BE A MINIMUM OF 1" PER WEEK. WATER SHOULD BE APPLIED IN THE EARLY MORNING HOURS. WATER REGULARLY FOR TWO YEARS OR UNTIL ESTABLISHED. DEEP, INFREQUENT SOAKINGS, WHICH ALLOW THE SOIL MOISTURE TO DRAIN, IS THE WATERING METHOD PREFERRED FOR ESTABLISHED PLANTS. THIS TYPE OF SOAKING WILL ENCOURAGE A DEEP ROOT SYSTEM, WHICH WILL ENABLE THE PLANT TO WITHSTAND PERIODS OF DROUGHT.

FIRE DEPARTMENT NOTES:

1. DEPTH OF FIRE MAIN PIPING TO TOP OF PIPE:
   36" MINIMUM UNDER DRIVING SURFACES
   30" MINIMUM UNDER NON-DRIVING SURFACES
2. FIRE MAIN PIPING SHALL NOT BE COVERED UNTIL INSPECTED BY THE TALLAHASSEE FIRE DEPARTMENT.
3. FIRE HYDRANTS SHALL BE A MINIMUM OF 24" ABOVE GRADE MEASURED TO THE STEAMER NOZZLE.
4. STEAMER NOZZLE TO FACE ROADWAY OR NEAREST POINT OF FIRE DEPARTMENT APPARATUS ACCESSIBILITY WHEN PLACED IN SERVICE.
5. HYDRANT FLOW TEST IS REQUIRED TO BE WITNESSED BY THE TALLAHASSEE FIRE DEPARTMENT.
6. CLEARANCE OF 3' SHALL BE MAINTAINED TO THE FRONT, SIDES, AND REAR OF ALL FIRE APPLIANCES (i.e., HYDRANTS, BACKFLOW PREVENTORS, POST INDICATOR VALVES, FIRE DEPARTMENT CONNECTIONS).
7. A CLEAR SPACE OF NOT LESS THAN 5' SHALL BE PROVIDED IN FRONT OF EACH HYDRANT CONNECTION HAVING A DIAMETER GREATER THAN 2 1/2".
8. ALL FIRE SERVICE PIPING SHALL MET NFPA 13R CODE.

BUFFER ZONE STANDARDS

PLANT MATERIAL / 100'
(30' WIDTH)



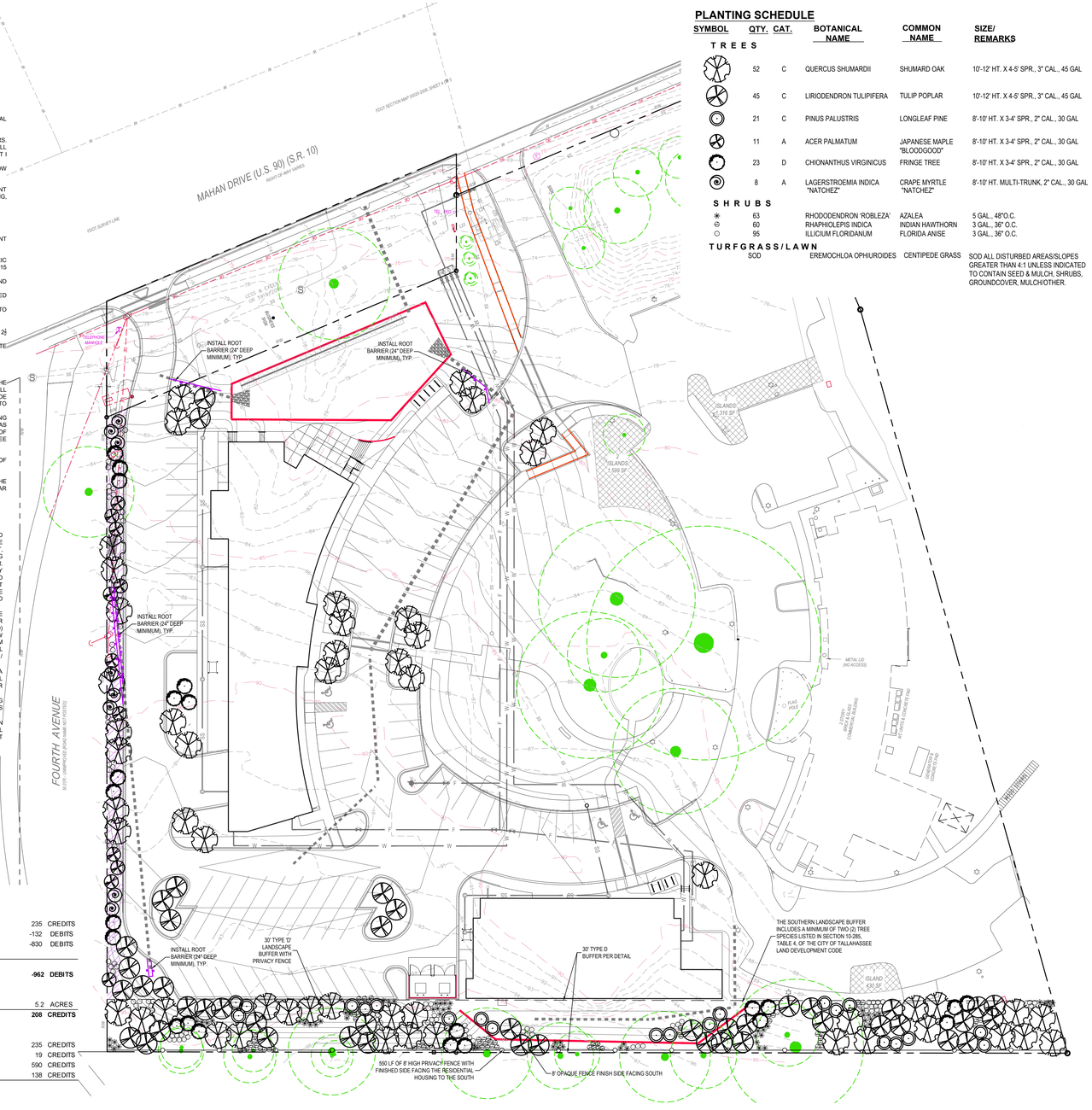
TYPE "D" LANDSCAPE BUFFER DETAIL
NOT TO SCALE

TREE CREDIT / DEBIT DATA

EXISTING SITE TREES		
PRESERVED TREES	235	CREDITS
IMPACTED TREES	-132	DEBITS
REMOVED TREES	-830	DEBITS
SITE TOTAL DEBITS	**-962**	**DEBITS**
SITE REFORESTATION		
40 CREDITS PER ACRE	5.2	ACRES
TOTAL	**208**	**CREDITS**
PROPOSED SITE TREES		
EXISTING TREE CREDITS	235	CREDITS
CAT A (2"-3" CAL - 1 CREDITS)	19	CREDITS
CAT C (2"-3" CAL - 5 CREDITS)	590	CREDITS
CAT D (2"-3" CAL - 6 CREDITS)	138	CREDITS

PLANTING SCHEDULE

SYMBOL	QTY.	CAT.	BOTANICAL NAME	COMMON NAME	SIZE/ REMARKS
TREES					
	52	C	QUERCUS SHUMARDII	SHUMARD OAK	10'-12' HT. X 4-5' SPR., 3" CAL., 45 GAL
	45	C	LIRIODENDRON TULIPIFERA	TULIP POPLAR	10'-12' HT. X 4-5' SPR., 3" CAL., 45 GAL
	21	C	PINUS PALUSTRIS	LONGLEAF PINE	8'-10' HT. X 3-4' SPR., 2" CAL., 30 GAL
	11	A	ACER PALMATUM	JAPANESE MAPLE "BLOODGOOD"	8'-10' HT. X 3-4' SPR., 2" CAL., 30 GAL
	23	D	CHIONANTHUS VIRGINICUS	FRINGE TREE	8'-10' HT. X 3-4' SPR., 2" CAL., 30 GAL
	8	A	LAGERSTROEMIA INDICA "NATCHEZ"	CRAPE MYRTLE "NATCHEZ"	8'-10' HT. MULTI-TRUNK, 2" CAL., 30 GAL
SHRUBS					
	63		RHODODENDRON 'ROBLEZA'	AZALEA	5 GAL., 48"O.C.
	60		RHAPHIOLEPIS INDICA	INDIAN HAWTHORN	3 GAL., 36" O.C.
	55		ILICIUM FLORIDANUM	FLORIDA ANISE	3 GAL., 36" O.C.
TURFGRASS/LAWN					
	SOD		EREMOCHLOA OPHIUROIDES	CENTIPEDE GRASS	SOD ALL DISTURBED AREAS/SLOPES GREATER THAN 4:1 UNLESS INDICATED TO CONTAIN SEED & MULCH, SHRUBS, GROUNDCOVER, MULCH/OTHER.



URBAN CATALYST CONSULTANTS, INC.
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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
100% CD	07-18-25	P. WHITAKER	S. MARSTON

REVISIONS

#	DATE	COMMENTS
1		
2		
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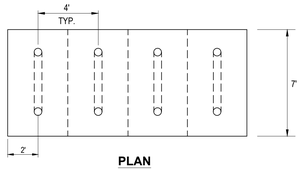
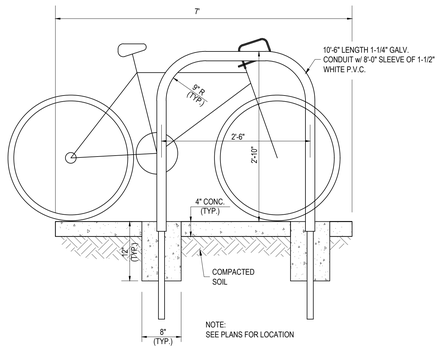
CRA PROJ.# 24029
PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
LANDSCAPE PLAN

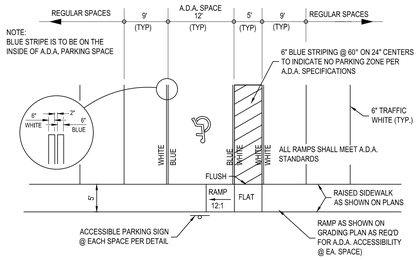
C-107



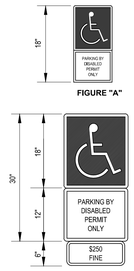
PLAN



INVERTED "U" BIKE RACK
NOT TO SCALE

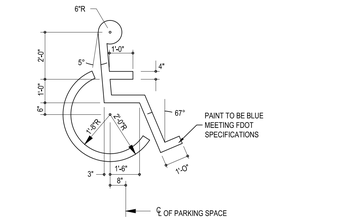


ACCESSIBLE PARKING
NOT TO SCALE

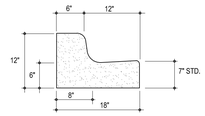


- TOP PORTION OF FIGURE "A" AND "B" SHALL HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.
- BOTTOM PORTION OF FIGURE "A" AND "B" SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
- FIGURE "A" AND "B" MAY BE FABRICATED ON ONE PANEL OR TWO.
- FIGURE A" MAY BE SUBSTITUTED FOR FIGURE "B" IN AREAS WHERE SPACE IS LIMITED.
- SIGNS ARE TO BE MOUNTED AT STANDARD HEIGHT,(7 FT. FROM PAVEMENT TO BOTTOM OF SIGN.)

HANDICAPPED PARKING SIGNAGE
NOT TO SCALE

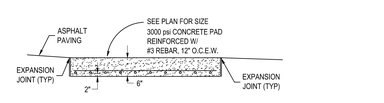


HANDICAPPED SYMBOL DETAIL
NOT TO SCALE



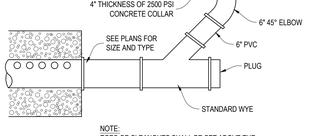
1. WHEN USED ON THE HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT, AND THE THICKNESS OF THE LIP SHALL BE 6".
2. PROVIDE 1/8" - 1/4" CONTRACTION JOINT AT 10' CENTERS (MAX.)
3. STANDARD CURB & GUTTER IN CITY RIGHT OF WAY SHALL MATCH EXISTING.

STANDARD CURB AND GUTTER DETAIL
NOT TO SCALE



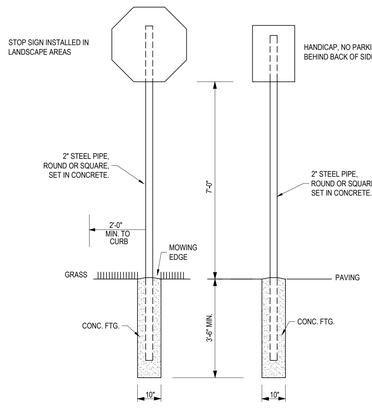
NOTE:
ALL DUMPSTER PADS SHALL BE PROVIDED W/ OPAQUE SCREEN FENCE & GATE 6' IN HEIGHT

DUMPSTER PAD DETAIL
NOT TO SCALE

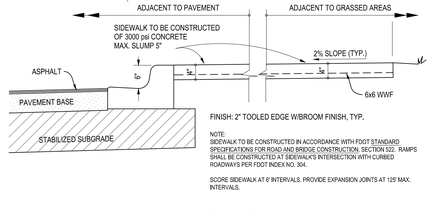


NOTE:
TOPS OF CLEANOUTS SHALL BE SET ABOVE THE TREATMENT ELEVATION.

UNDERDRAIN CLEANOUT
NOT TO SCALE



TRAFFIC SIGNAGE DETAIL
NOT TO SCALE

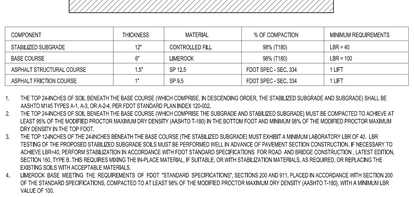


FINISH: 2" TOOLED EDGE W/BROOM FINISH, TYP.

NOTE:
SIDEWALK TO BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 522. RAMPS SHALL BE CONSTRUCTED AT SIDEWALK'S INTERSECTION WITH CURBED ROADWAYS PER FDOT INDEX NO. 304.

SCORE SIDEWALK AT 6' INTERVALS. PROVIDE EXPANSION JOINTS AT 125' MAX. INTERVALS.

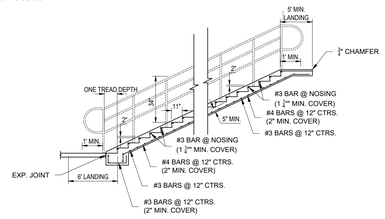
STANDARD SIDEWALK CONSTRUCTION DETAIL
NOT TO SCALE



COMPONENT	THICKNESS	MATERIAL	% OF COMPACTION	MINIMUM REQUIREMENTS
STABILIZED SUBGRADE	12"	CONTROLLED FILL	98% (T180)	LBR = 40
BASE COURSE	6"	LIMEROCK	98% (T180)	LBR = 100
ASPHALT STRUCTURAL COURSE	1.5"	SP 12.5	FDOT SPEC - SEC. 334	1 LIFT
ASPHALT FRICTION COURSE	1"	SP 9.5	FDOT SPEC - SEC. 334	1 LIFT

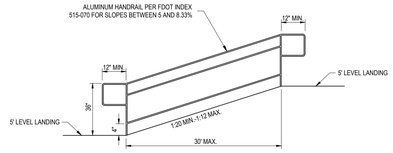
1. THE TOP 24-INCHES OF SOIL BENEATH THE BASE COURSE (WHICH COMPRISE, IN DESCENDING ORDER, THE STABILIZED SUBGRADE AND SUBGRADE) SHALL BE AASHTO M145 TYPES A-1, A-3, OR A-2-4, PER FDOT STANDARD PLAN INDEX 120-002.
2. THE TOP 24-INCHES OF SOIL BENEATH THE BASE COURSE (WHICH COMPRISE THE SUBGRADE AND STABILIZED SUBGRADE) MUST BE COMPACTED TO ACHIEVE AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (AASHTO T-180) IN THE BOTTOM FOOT AND MINIMUM 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY IN THE TOP FOOT.
3. THE TOP 12-INCHES OF THE 24-INCHES BENEATH THE BASE COURSE (THE STABILIZED SUBGRADE) MUST EXHIBIT A MINIMUM LABORATORY LBR OF 40. LBR TESTING OF THE PROPOSED STABILIZED SUBGRADE SOILS MUST BE PERFORMED WELL IN ADVANCE OF PAVEMENT SECTION CONSTRUCTION. IF NECESSARY TO ACHIEVE LBR=40, PERFORM STABILIZATION IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, SECTION 160, TYPE B. THIS REQUIRES MIXING THE IN-PLACE MATERIAL, IF SUITABLE, OR WITH STABILIZATION MATERIALS, AS REQUIRED, OR REPLACING THE EXISTING SOILS WITH ACCEPTABLE MATERIALS.
4. LIMEROCK BASE MEETING THE REQUIREMENTS OF FDOT "STANDARD SPECIFICATIONS", SECTIONS 200 AND 911, PLACED IN ACCORDANCE WITH SECTION 200 OF THE STANDARD SPECIFICATIONS, COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (AASHTO T-180), WITH A MINIMUM LBR VALUE OF 100.

SECTION - STANDARD DUTY PAVING
NTS

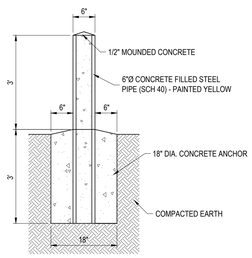


NOTES:
1. THE CONCRETE STEPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX 400-021.
2. STAIR RISER HEIGHT SHALL BE A MINIMUM HEIGHT OF 4" AND A MAXIMUM HEIGHT OF 7".
3. GUARDRAILS AT 42" HIGH WITH PICKETS @ 4" SHALL BE PROVIDED WHERE STEPS HAVE A RAISE OF 30" ABOVE ADJACENT GRADE. SEE FBC-B 1015.2 AND FBC-B 1015.3 AND FBC-B 1015.4.

CONCRETE STEPS DETAIL
NOT TO SCALE



ADA RAMP HANDRAIL DETAIL
NOT TO SCALE



PIPE BOLLARD DETAIL
NOT TO SCALE

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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
100% CD	07-18-25	P. WHITAKER	S. MARSTON

REVISIONS

#	DATE	COMMENTS
1		
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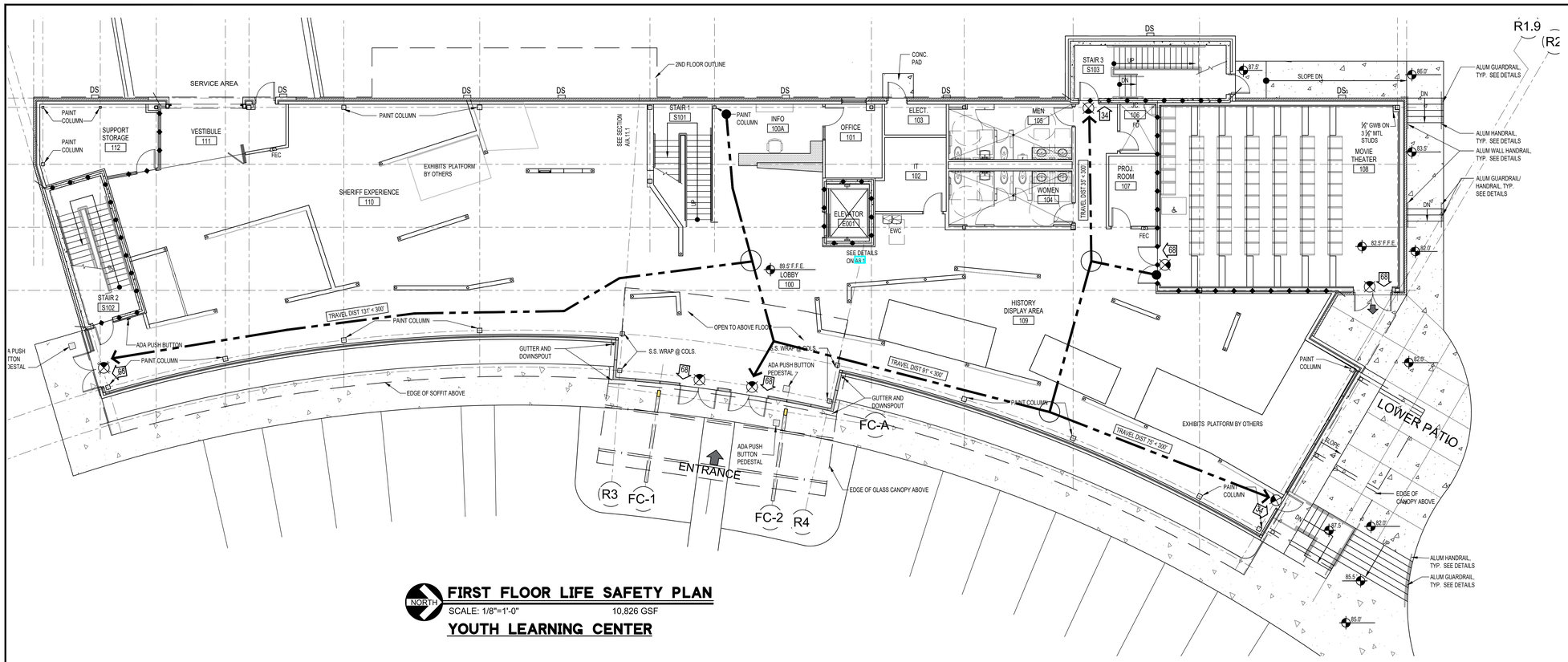
CRA PROJECT: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
CONSTRUCTION DETAILS

C-108

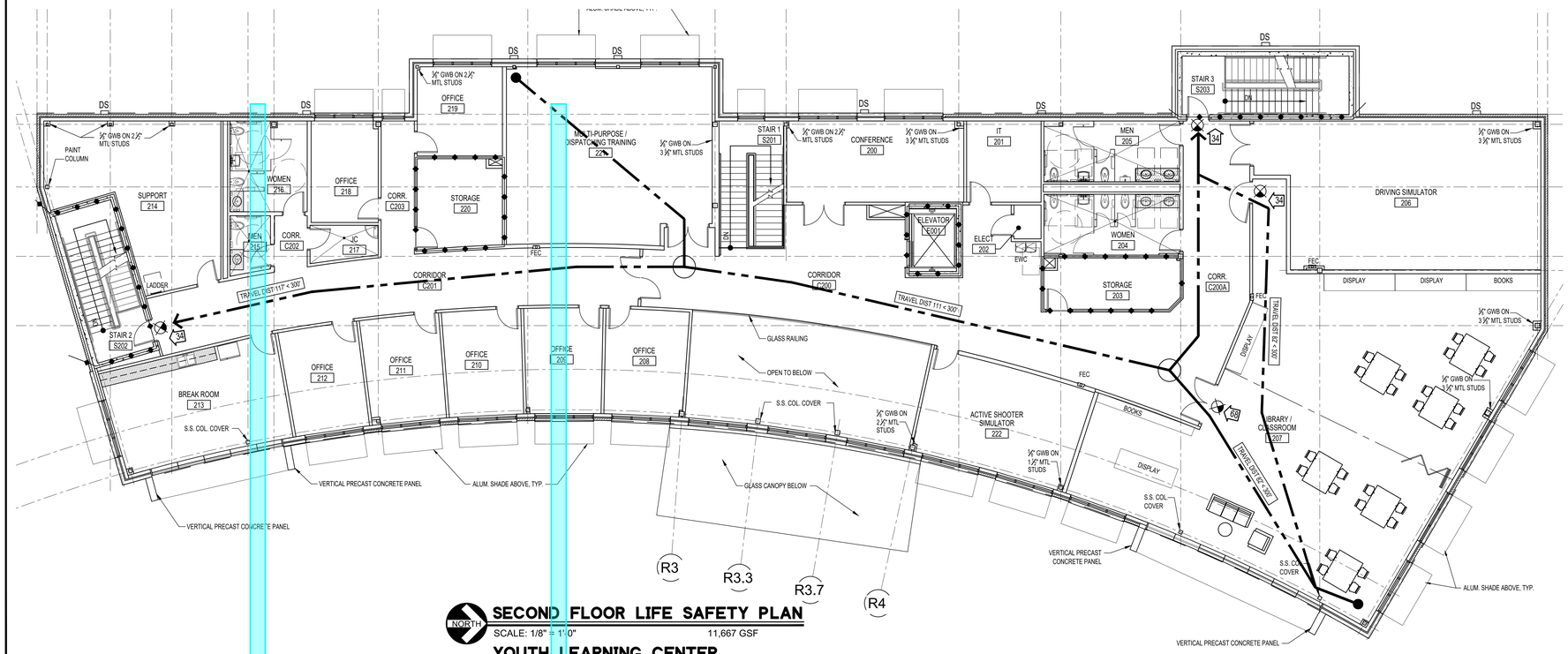


NORTH

FIRST FLOOR LIFE SAFETY PLAN

SCALE: 1/8"=1'-0" 10,826 GSF

YOUTH LEARNING CENTER



NORTH

SECOND FLOOR LIFE SAFETY PLAN

SCALE: 1/8" = 1'0" 11,667 GSF

YOUTH LEARNING CENTER

FIRE PROTECTION NOTES

"ALL FIRE AND/OR SMOKE BARRIERS OR WALLS SHALL BE EFFECTIVELY AND PERMANENTLY INDENTIFIED WITH STENCILING ABOVE ANY DECORATIVE CEILING AND/OR IN CONCEALED SPACE WITH LETTERS A MINIMUM OF TWO (2) INCHES HIGH ON A CONTRASTING BACKGROUND SPACED A MAXIMUM OF TWELVE (12) FEET ON CENTER WITH A MINIMUM OF ONE PER WALL OR BARRIER. THE HOURLY FIRE RATING SHALL BE INCLUDED ON ALL RATED BARRIER OR WALLS. REQUIRED WORDING '( ) HOUR FIRE AND SMOKE BARRIER-PROTECT ALL OPENINGS.'

LIFE SAFETY EXIT CALCULATIONS

BUILDING	GROSS SQUARE FOOTAGE	OCCUPANT LOAD - BASED ON NFPA 101 LIFE SAFETY CODE TABLE A-5-3.1.2 OCCUPANT LOAD FACTORS G.S.F. 15	G.S.F. 30	G.S.F. 50	G.S.F. 150	G.S.F. 200	TOTAL	EXIT INCHES REQD. (X.2)	EXIT INCHES PROVD.	EXIT INCHES REQD. (X.3)	EXIT INCHES PROVD.
YOUTH LEARNING CENTER - 1ST FL											
BUSINESS	4917				33		33	7	272		
ASSEMBLY / THEATER	1161				67 FIXED SEATS		67	14	136		
ASSEMBLY / MUSEUM	4748		158				158	32	272		
YOUTH LEARNING CENTER - 2ND FL											
BUSINESS	9501				63		63	13	68		
ASSEMBLY / LIBRARY	2161			43			43	9	102		
TOTAL OCCUPANT LOAD - 1ST & 2ND FLS							364	73	340		

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS

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50% CD	4-15-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR

REVISIONS

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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER
1ST & 2ND FLOOR - LIFE SAFETY PLANS

LS1.1 of .

G:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@@Post Submittal\24029 LS1 ST.2 YLC & BH 1ST & 2ND FL.dwg, 7/21/2025 11:00:46 AM, rshah

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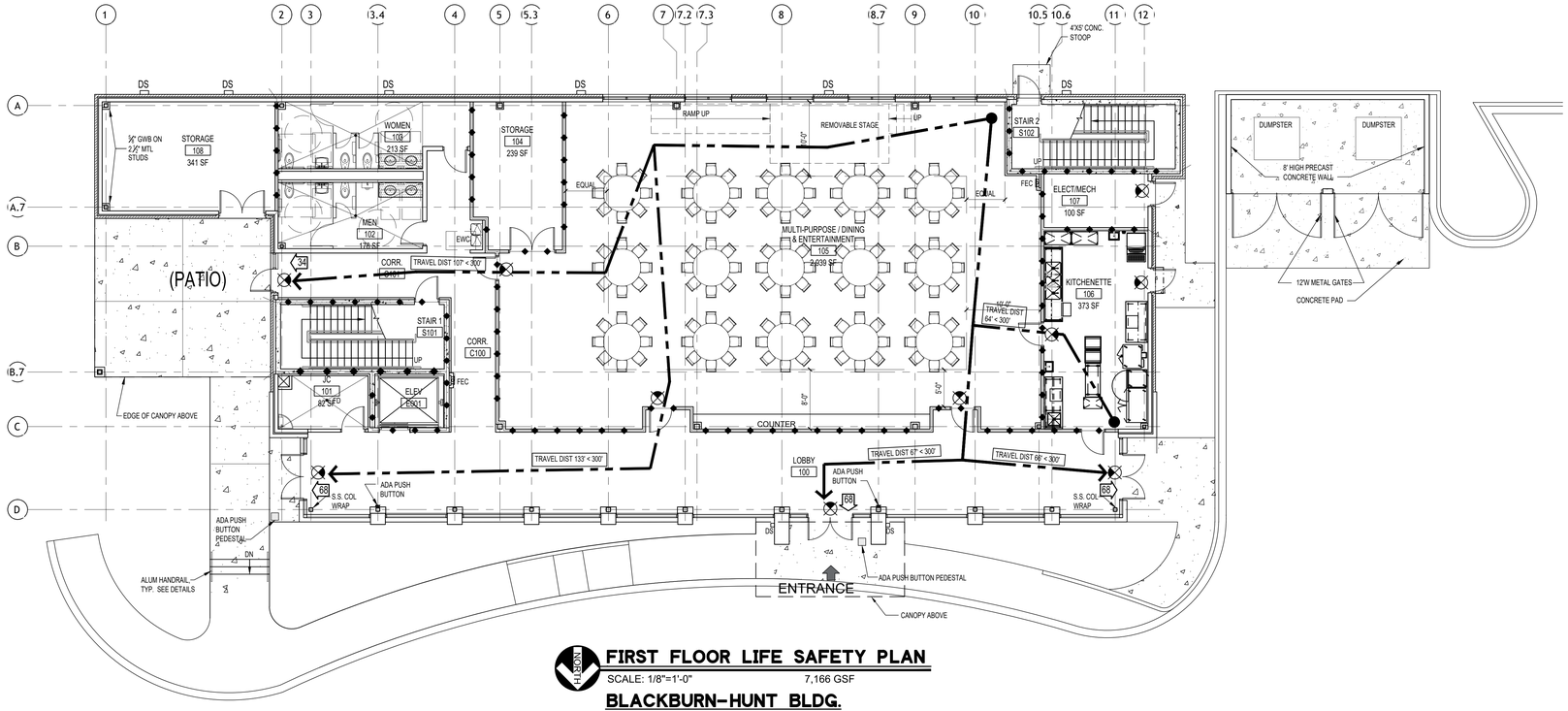
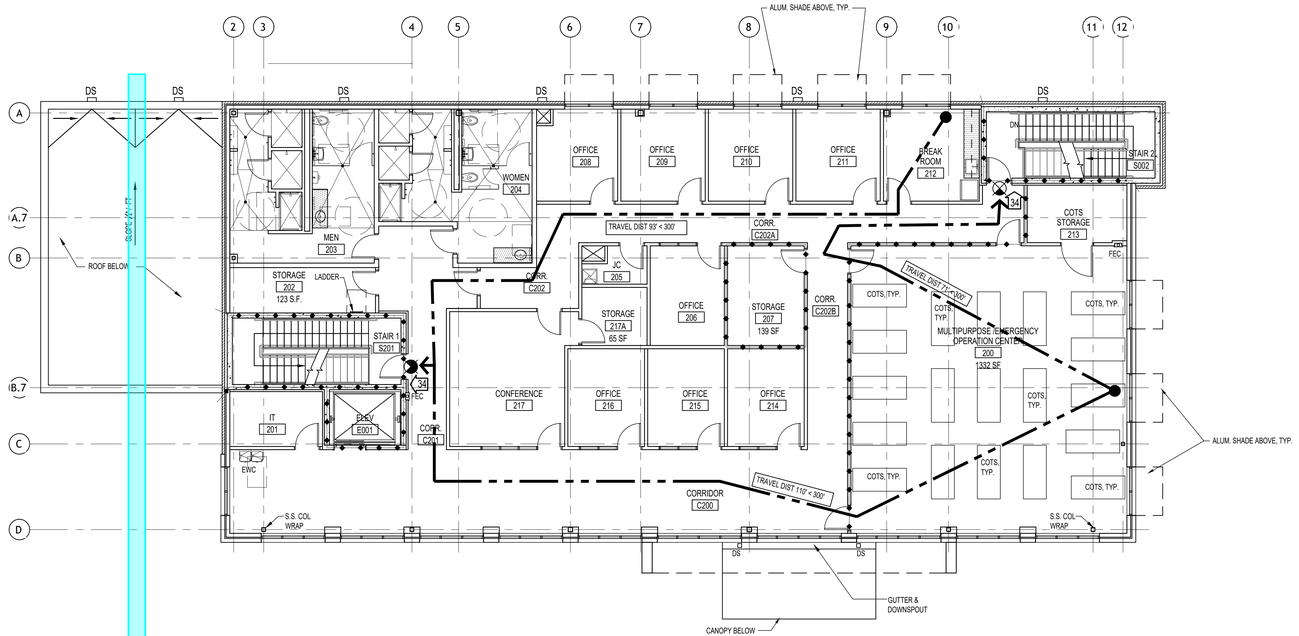


NORTH

FIRST FLOOR LIFE SAFETY PLAN

SCALE: 1/8"=1'-0" 7,166 GSF

BLACKBURN-HUNT BLDG.



NORTH

SECOND FLOOR LIFE SAFETY PLAN

SCALE: 1/8"=1'-0" 6,867 GSF

BLACKBURN-HUNT BLDG.

ADD ALT #1 - ALL INTERIOR BUILD OUT

FIRE PROTECTION NOTES

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LIFE SAFETY EXIT CALCULATIONS

BUILDING	GROSS SQUARE FOOTAGE	OCCUPANT LOAD - BASED ON NFPA 101 LIFE SAFETY CODE TABLE A-5-3.1.2 OCCUPANT LOAD FACTORS					TOTAL	EXIT INCHES		EXIT INCHES	
		G.S.F. 15	G.S.F. 30	G.S.F. 50	G.S.F. 150	G.S.F. 200		REQD. (X.2)	PROVD.	REQD. (X.3)	PROVD.
BLACKBURN-HUNT - 1ST FL											
MULTI-PURPOSE	2718	181					181	36	102		
BUSINESS	4448				30		30	6	238		
BLACKBURN-HUNT - 2ND FL											
BUSINESS	6867				46		46	9	68		
TOTAL OCCUPANT LOAD - 1ST & 2ND FLS							257	51	306		

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
BLACKBURN-HUNT BLDG
1ST & 2ND FLOOR - LIFE SAFETY PLANS

LS1.2 of .

G:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@@Post Submittal\24029 LS1.2 YLC & BH 1ST & 2ND FL.dwg, 7/17/2025 1:07:48 PM, rshah

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ABBREVIATIONS (ARCHITECTURAL)

A.B.	ANCHOR BOLT
AC AIR CONDITIONED	
ACM.	ALUMINUM COMPOSITE MATERIAL
ACT	ACOUSTICAL CEILING TILE
ADJ.	ADJUSTABLE
AFFABOVE FINISH FLOOR	
AHU	AIR HANDLING UNIT
ALUM.	ALUMINUM
B.BD.	BULLETIN BOARD
B.O.	BOTTOM OF
CAB.	CABINET
C.C.	CONTRACTOR SUPPLIED/CONTRACTOR INSTALLED
CG	CORNER GUARD
C.L.	CENTER LINE
CL., CLO.	CLOSET
C.J.	CONTROL JOINT
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CMU	CONCRETE MASONRY UNIT
CPT	CARPET
C.T.	CERAMIC TILE
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DISP.	DISPENSER
D.S.	DOWNSPOUT
DWGS.	DRAWINGS
EA.	EACH
ELECT.	ELECTRICAL
EL.	ELEVATION
ELEV.	ELEVATOR
E.J.	EXPANSION JOINT
E.P.	ELECTRICAL PANEL
EQUIP.	EQUIPMENT
ETR.	EXISTING TO REMAIN
EXT.	EXTERIOR
EWC	ELECTRIC WATER COOLER
EXP.	EXPOSED, EXPANSION
F.C.U.	FAN COIL UNIT
F.D.	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.F.E.	FINISH FLOOR ELEVATION
FIN.	FINISH
FL.	FLOOR
FTG.	FOOTING
GA.	GAUGE
GALV.	GALVANIZED
G.B.	GRAB BAR
GL.	GLASS
GR.	GRADE
GWB	GYPSUM WALL BOARD
GYP.	GYPSUM
H	HIGH
H.A.U.	HOUSEKEEPING AIDES CLOSET
H.B.	HOSE BIBB
HT.	HEIGHT
HORIZ.	HORIZONTAL
H.M.	HOLLOW METAL
HR.	HOUR
HW.	HARDWARE
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
JT.	JOINT
K.P.	KICK PLATE
LAV.	LAVATORY
LKR.	LOCKER
LT.	LIGHT
MANUF.	MANUFACTURER
MAX.	MAXIMUM
MCM.	METAL COMPOSITE MATERIAL
MECH.	MECHANICAL
MTL.	METAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MSG.	MANUFACTURERS STANDARD GAUGE
MTD.	MOUNTED
(N)	NEW
N.I.C.	NOT IN CONTRACT
MET.	NOMINAL
N.S.F	NET SQUARE FEET
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.A.	OVER FLOOD DRAIN
OPNG.	OPENING
OPP.	OPPOSITE
P	PAINT
PL	PLATE
PLAS.	PLASTER
PLYWD	PLYWOOD
RAD.	RADIUS
R.D.	ROOF DRAIN
RECEP.	RECEPTACLE
REF.	REFRIGERATOR
REINF.	REINFORCING, REINFORCED
REQ'D	REQUIRED
RM.	ROOM
R.O.	ROUGH OPENING
R & S	ROD AND SHELF
SCHED.	SCHEDULE
SH.	SHELVING, SHELF
SIM.	SIMILAR
SPEC.(S)	SPECIFICATION(S)
STL.	STEEL
STRUCT.	STRUCTURAL
S.S.	STAINLESS STEEL
S.F.,SQ. FT.	SQUARE FOOT
TEL.	TELEPHONE
T.O.	TOP OF
TOIL.	TOILET
TYP.	TYPICAL
V	VINYL
VEST.	VESTIBULE
W	WIDE
W.C.	WATER CLOSET
W/C	WHEEL CHAIR
WH	WATER HEATER
WD.	WOOD
W.P.	WATERPROOF(ING)

SYMBOLS (ARCHITECTURAL)

ELEVATION TAG
- DIRECTION OF ELEVATION
- ELEVATION DESIGNATION
- SHEET NUMBER DRAWN
- SHEET NUMBER CUT

BUILDING SECTION TAG
- DIRECTION OF BUILDING SECTION
- BUILDING SECTION DESIGNATION
- SHEET NUMBER DRAWN
- SHEET NUMBER CUT

NORTH ARROW

STRUCTURAL GRID AND COLUMN TAG

EXISTING PARTITION TO REMAIN

EXISTING PARTITION TO BE DEMOLISHED

NEW PARTITION

SOUND RATED PARTITION

SMOKE PARTITION

ONE HOUR RATED FIRE PARTITION - (HAZARDOUS SEPARATION)

ONE HOUR RATED FIRE/SMOKE BARRIER

TWO HOUR RATED FIRE PARTITION

TWO HOUR RATED FIRE/SMOKE BARRIER

SMOKE TIGHT (DESIGNATES A SUITE)

LEAD-LINED PARTITION

TEMPORARY PARTITION

PARTITION TYPE

SPLASH BLOCK

WALL SECTION TAG
- DIRECTION OF WALL SECTION
- WALL SECTION DESIGNATION
- SHEET NUMBER DRAWN
- SHEET NUMBER CUT

DETAIL MARKER
- DETAIL DESIGNATION
- DETAIL LOCATION
- SHEET NUMBER DRAWN
- SHEET NUMBER CUT

ELEVATION DESIGNATION
INTERIOR ELEVATION KEY PLAN
SHEET NUMBER DRAWN

EXISTING DOOR TO REMAIN

EXISTING DOOR TO BE REMOVED

NEW DOOR

NEW MILLWORK

FURNISHINGS BY OWNER (FOR REFERENCE ONLY)

ROOM NAME, ROOM NUMBER, AND SQUARE FOOT AREA (SF)

DOOR SYMBOL

AUTOMATIC PALM OPERATOR

SMOKE COMPARTMENT

MAGNETIC HOLD OPEN

CARD READER

DOOR RELEASE BUTTON

HAND WAVE OPERATOR

CALL BUTTON

WINDOW SYMBOL

EQUIPMENT FLAG - REFER TO EQUIPMENT SCHEDULE

DEMOLITION TAG - REFER TO DEMOLITION NOTES

RENOVATION TAG - REFER TO RENOVATION NOTES

TOILET ACCESSORY NUMBER - REFER TO TOILET ACCESSORY SCHEDULE

REVISION TAG

ELEVATION TAG

GLASS TYPE

TEMPERED GLASS

CORNER GUARD

CEILING HEIGHT

AS HIGH AS POSSIBLE

EXISTING TO REMAIN

EXPOSED STRUCTURE

MATCH EXISTING CEILING HEIGHT

SUSPENDED ACT AND GRID

GWB CEILING / BULKHEAD

PLASTIC LAMINATE PANEL BULKHEAD

SUSPENDED ACT AND GRID

SUPPLY DIFFUSER

RETURN GRILLE

EXHAUST REGISTER

SURFACE, SUSPENDED, OR RECESSED LUMINAIRES (TYPE DETERMINES MOUNTING)

WALL MOUNTED LUMINAIRES

EMERGENCY CIRCUIT LUMINAIRES

PENDANT MOUNTED LUMINAIRE

RECESSED OR SURFACE DOWNLIGHT LUMINAIRE

WALLWASH LUMINAIRE

BATTERY POWERED EMERGENCY LIGHT

TRACK LIGHTING

POLE MOUNTED SITE LIGHTING LUMINAIRES

GROUND OR POLE MOUNTED FLOODLIGHT

FIRE ALARM SMOKE DETECTOR

SPRINKLER HEAD

CEILING HEAT DETECTOR

DOME CAMERA, 90 VIEWING ANGLE

DOME CAMERA, 180 VIEWING ANGLE

DOME CAMERA, 360 VIEWING ANGLE

CEILING MOUNT DOME CAMERA

OCCUPANCY SENSOR

EXIT LIGHT AND DIRECTION

EXIT WIDTH IN INCHES INDICATED

RECESSED FIRE EXTINGUISHER CABINET

RECESSED FIRE HOSE CABINET

FIRE HOSE

FIRE EXTINGUISHER - WALL MOUNTED

FIRE HOSE CABINET WITH FIRE EXTINGUISHER

FIRE ALARM PULL STATION

FIRE ALARM AUDIO DEVICE

FIRE ALARM AUDIO, VISUAL DEVICE WITH STROBE

FIRE ALARM VISUAL DEVICE - STROBE ONLY

ALERT STROBE LIGHT

FIRE DEPARTMENT CONNECTION

CATCHMENT AREA

PROJECT AREA

TRAVEL PATH AND DISTANCE

TRAVEL PATH STARTS

TRAVEL PATH ENDS

ADA COMPLIANT ELEMENT

CEILING HEAT DETECTOR

SPEAKER

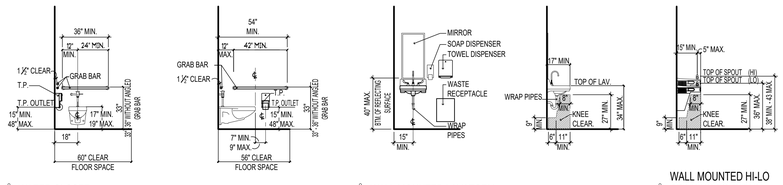
PLAN AND SECTION INDICATIONS

- METAL STUD AND BRICK VENEER
- SOUND INSULATION
- CONCRETE
- PLASTER, SAND, GROUT
- METAL STUD WALL
- PLYWOOD - LARGE SCALE
- BRICK
- IRON / STEEL
- RIGID INSULATION
- CONCRETE MASONRY UNIT (CMU)
- GLASS BLOCK
- ROUGH WOOD
- FINISHED WOOD
- CERAMIC TILE
- EARTH
- SUSPENDED GYPSUM WALL BOARD (GWB)
- GYPSUM WALL BOARD (GWB)
- GRAVEL

ELEVATION INDICATIONS

- GLASS
- BRICK
- CONCRETE
- CERAMIC TILE
- METAL
- GRAVEL
- PLASTER
- PLASTIC LAMINATE BULKHEAD

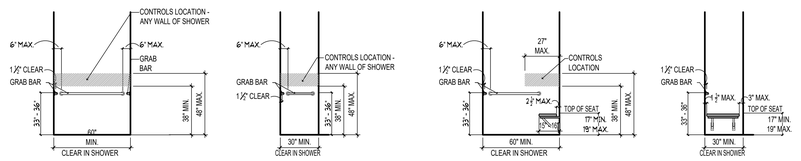
TYPICAL MOUNTING HEIGHTS



WATER CLOSET — FRONT VIEW | SIDE VIEW

WALL MOUNTED LAVATORY — FRONT VIEW | SIDE VIEW

WALL MOUNTED HI-LO DRINKING FOUNTAIN — SIDE VIEW



ROLL-IN TYPE SHOWER - WITHOUT SEAT — ENTRANCE VIEW | SIDE VIEW

ROLL-IN TYPE SHOWER - WITH SEAT — ENTRANCE VIEW | SIDE VIEW

	PAPER TOWEL DISPENSER	AIR HAND DRYER	SOAP / HAND SANITIZER DISPENSER	TOILET PAPER DISPENSER	SANITARY NAPKIN DISPOSAL	WASTE RECEPTACLE	COAT / TOWEL HOOK	CHANGING STATION	F.E.C.	INTERIOR SIGNAGE

REFER TO EACH OF THE ACCESSORIES' RECOMMENDATION ADA MOUNTING HEIGHT

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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DD	2-28-25	R. SHAH	S. DIVSALAR
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100% CD	7-18-25	R. SHAH	S. DIVSALAR

REVISIONS

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PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
ABBREVIATIONS, SYMBOLS, NOTES, AND TYPICAL MOUNTING HEIGHTS

A0.0 of

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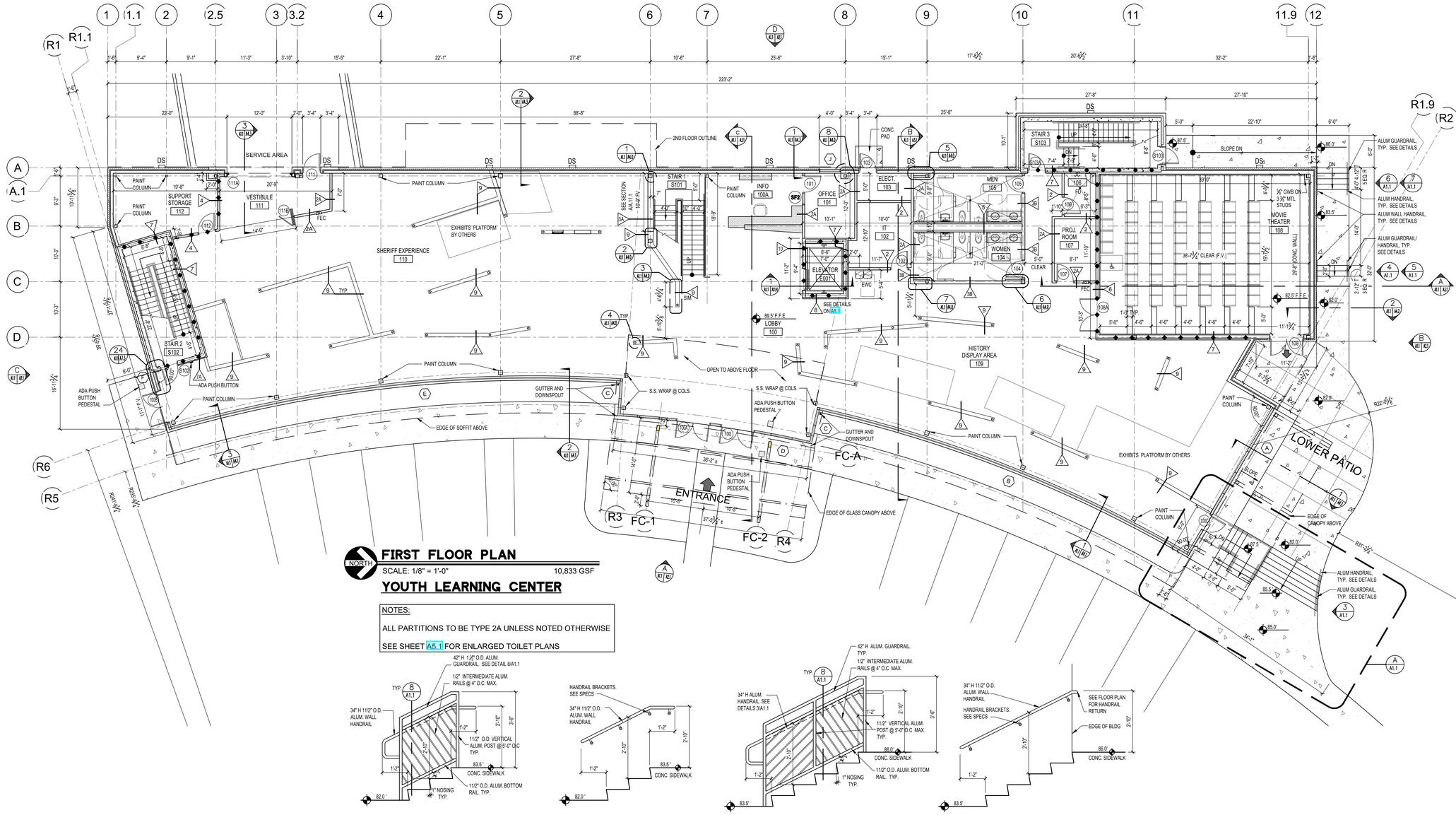


FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0" 10,833 GSF

YOUTH LEARNING CENTER

NOTES:

ALL PARTITIONS TO BE TYPE 2A UNLESS NOTED OTHERWISE

SEE SHEET A5.1 FOR ENLARGED TOILET PLANS

4 ELEVATION GUARDRAIL/ HANDRAIL

A1.1 SCALE: 1/2"=1'-0"

5 ELEV-HANDRAIL

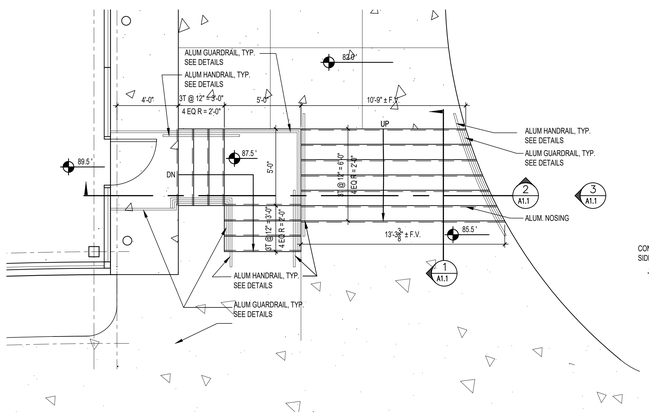
A1.1 SCALE: 1/2"=1'-0"

6 ELEVATION GUARDRAIL/ HANDRAIL

A1.1 SCALE: 1/2"=1'-0"

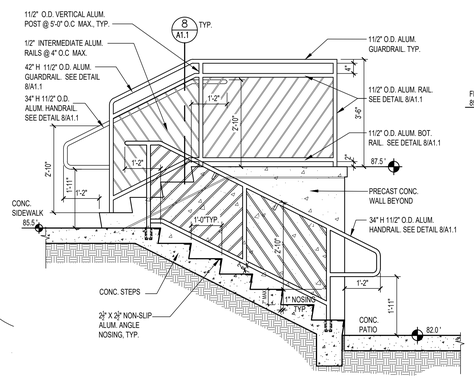
7 ELEV-HANDRAIL

A1.1 SCALE: 1/2"=1'-0"



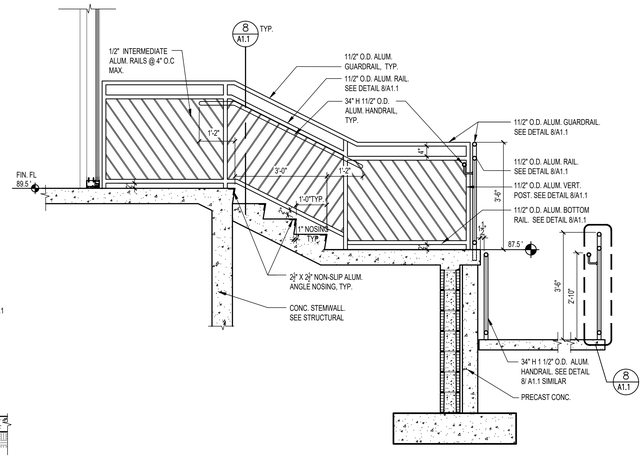
A ENLARGED PLAN

A1.1 SCALE: 1/4"=1'-0"



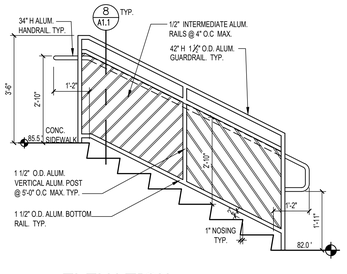
1 SECTION THRU STEPS

A1.1 SCALE: 1/2"=1'-0"



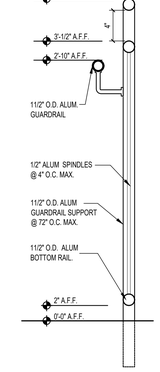
2 SECTION THRU STEPS

A1.1 SCALE: 1/2"=1'-0"



3 ELEVATION GUARDRAIL/ HANDRAIL

A1.1 SCALE: 1/2"=1'-0"



8 SECTION @ GUARDRAIL

A1.1 SCALE: 1 1/2"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS

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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER
FIRST FLOOR PLAN

A1.1 of .

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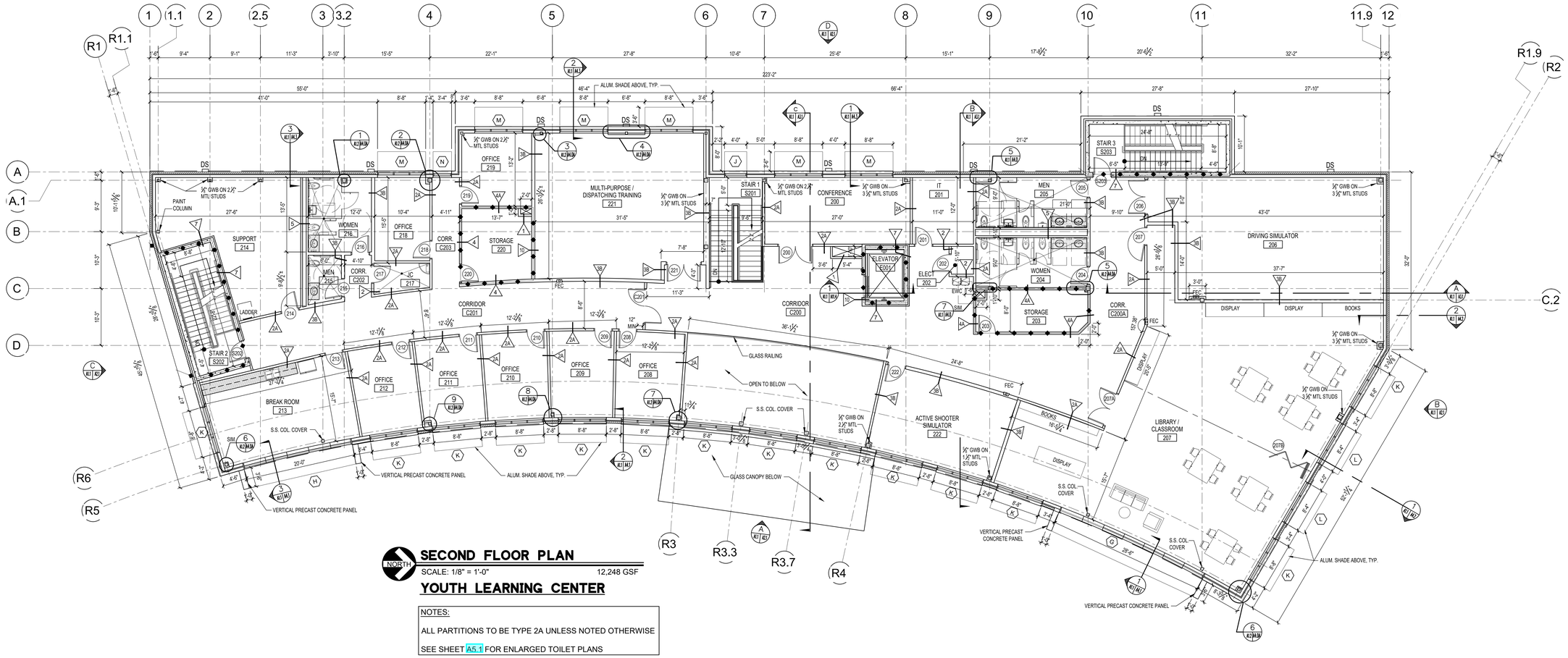

SECOND FLOOR PLAN

NORTH

SCALE: 1/8" = 1'-0" 12,248 GSF

YOUTH LEARNING CENTER

NOTES:

ALL PARTITIONS TO BE TYPE 2A UNLESS NOTED OTHERWISE

SEE SHEET A5.1 FOR ENLARGED TOILET PLANS

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS

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SHEET TITLE
YOUTH LEARNING CENTER
SECOND FLOOR PLAN

A1.2 of .

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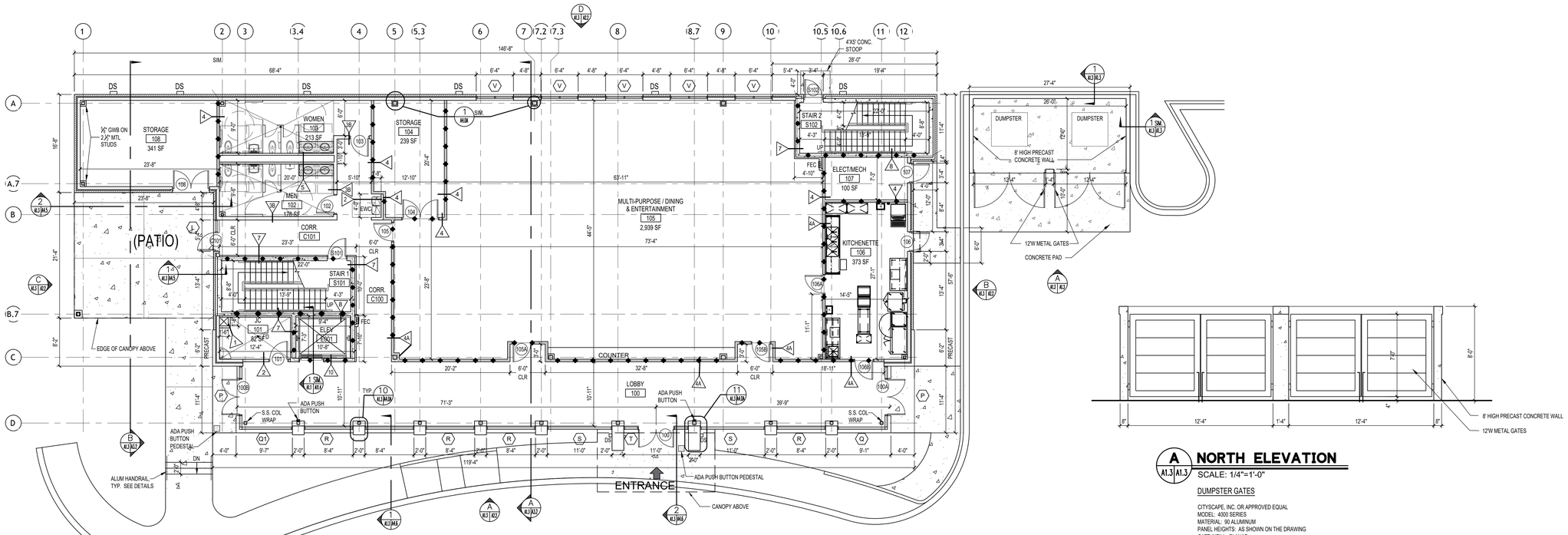


FIRST FLOOR PLAN - BASE BID

SCALE: 1/8"=1'-0" 7,166 GSF

BLACKBURN-HUNT BLDG.

NOTES:

ALL PARTITIONS TO BE TYPE 2A UNLESS NOTED OTHERWISE

SEE SHEET A5.1 FOR ENLARGED TOILET PLANS

A NORTH ELEVATION

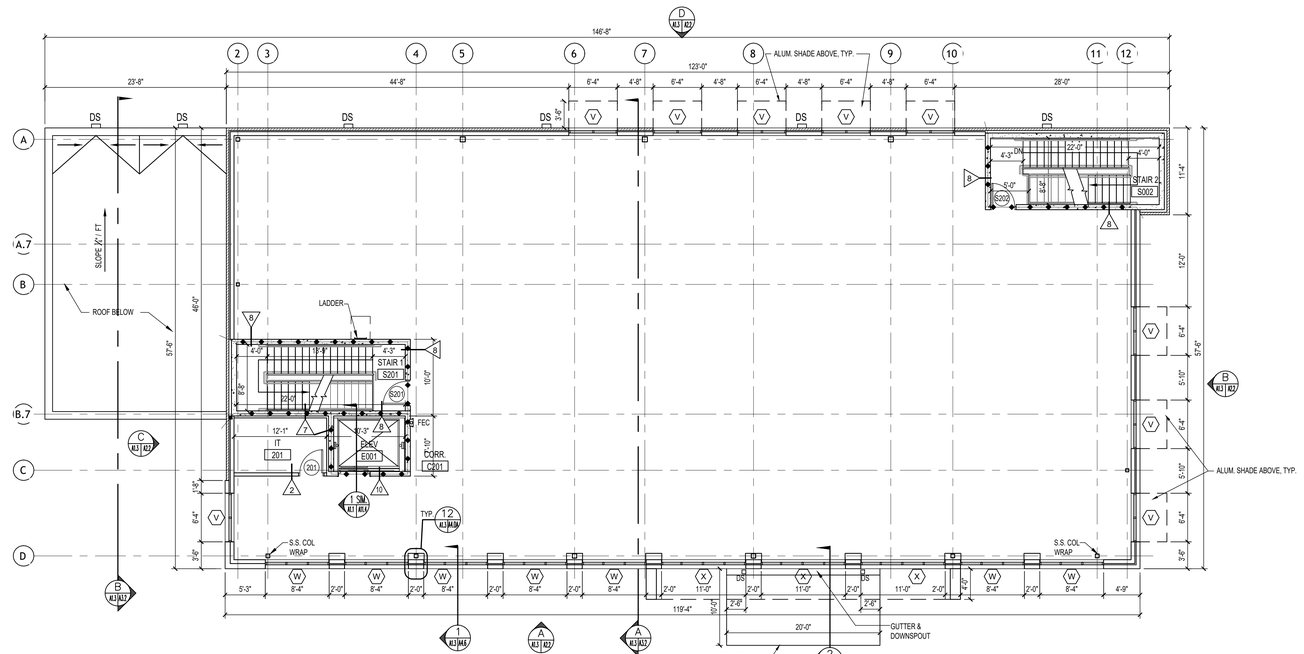
A1.3 A1.3

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

DUMPSTER GATES

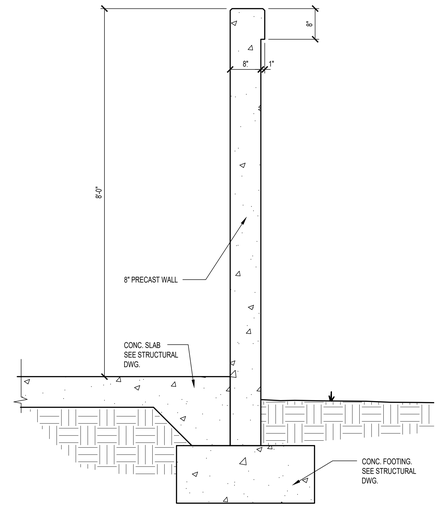
CITYSCAPE, INC. OR APPROVED EQUAL
MODEL: 4000 SERIES
MATERIAL: 90 ALUMINUM
PANEL HEIGHTS: AS SHOWN ON THE DRAWING
GATE INFILL: PLANAR
TRIM COLOR: BARK BRONZE
INFILL COLOR: ALMOND

PROVIDE DROP PINS FOR HOLD OPEN AND CLOSED



SECOND FLOOR PLAN - BASE BID

SCALE: 1/8"=1'-0" 6,867 GSF



1 WALL SECTION

A1.3 A1.3

SCALE: 3/4"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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SUBMITTAL

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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

#	DATE	COMMENTS
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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
BLACKBURN-HUNT
1ST AND 2ND FLOOR PLANS

A1.3 of .

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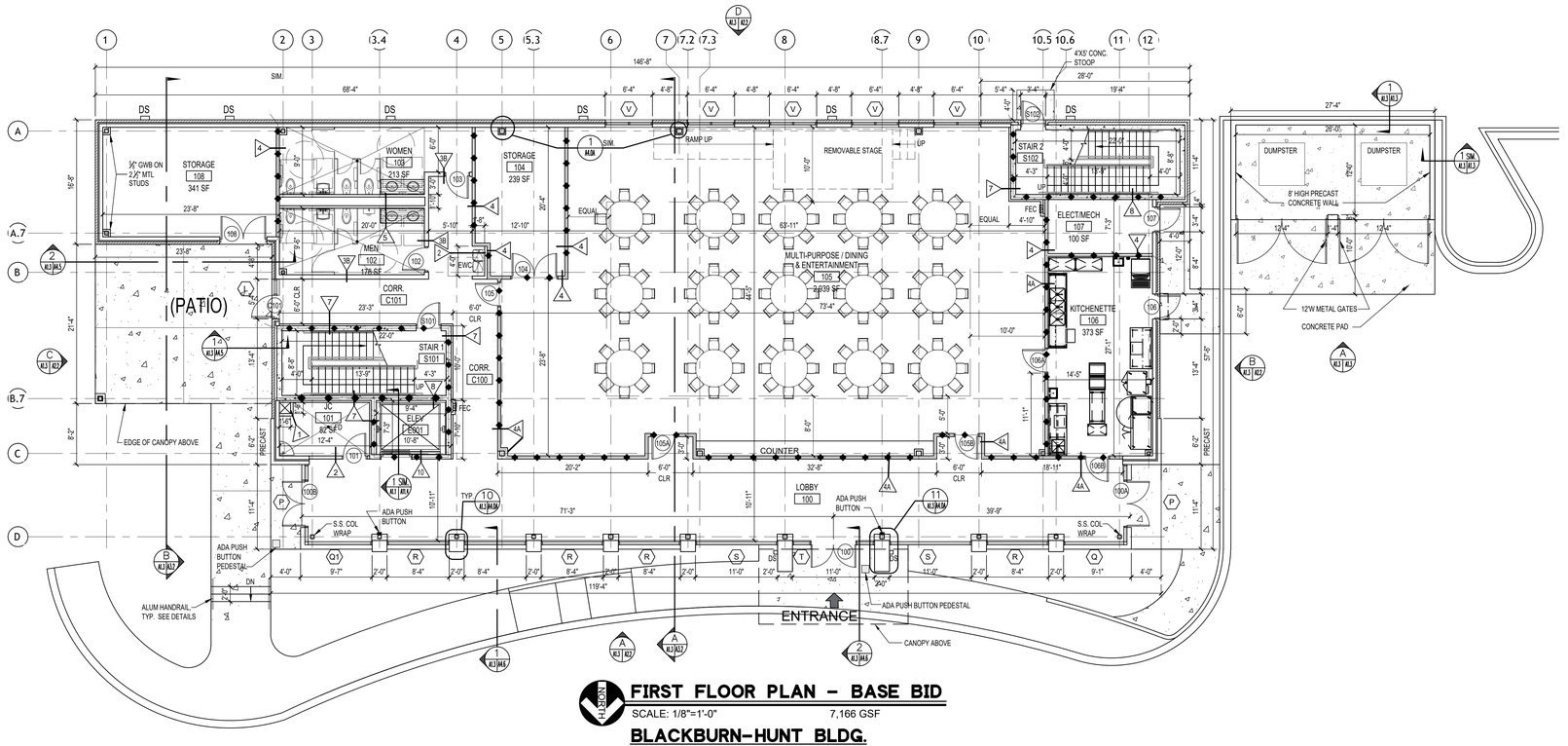


FIRST FLOOR PLAN - BASE BID

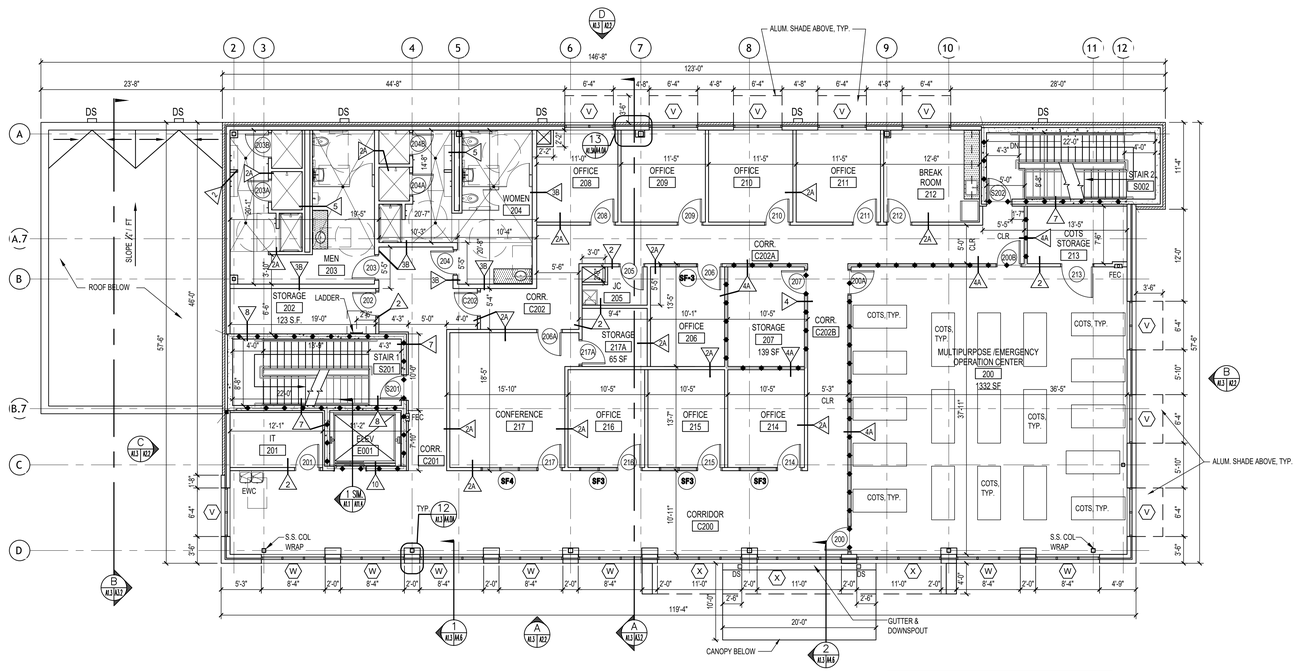
SCALE: 1/8"=1'-0" 7,166 GSF

BLACKBURN-HUNT BLDG.

NOTES:

ALL PARTITIONS TO BE TYPE 2A UNLESS NOTED OTHERWISE

SEE SHEET A5.1 FOR ENLARGED TOILET PLANS



SECOND FLOOR PLAN

SCALE: 1/8"=1'-0" 6,867 GSF

BLACKBURN-HUNT BLDG.

NOTES:

ALL PARTITIONS TO BE TYPE 2A UNLESS NOTED OTHERWISE

SEE SHEET A5.1 FOR ENLARGED TOILET PLANS

ADD ALT #1 - ALL INTERIOR BUILD OUT

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS

Clemons, Rutherford & Associates Inc.

Architects
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Construction Managers

2027 Thomasville Road
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SD	1-17-25	LB	S. DIVSALAR
DD	2-28-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

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CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT
2ND FLOOR PLAN - ADD ALTERNATE

A1.3A of .

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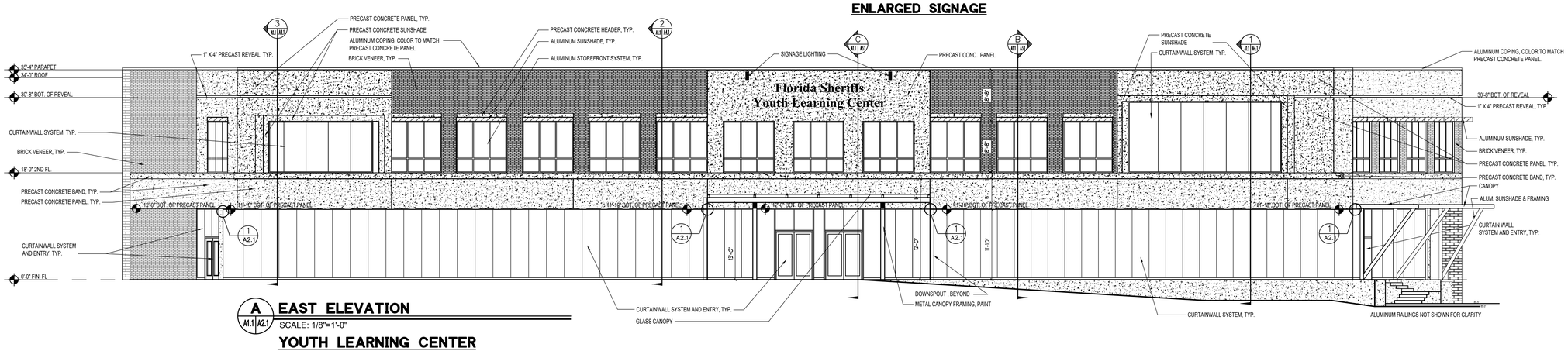
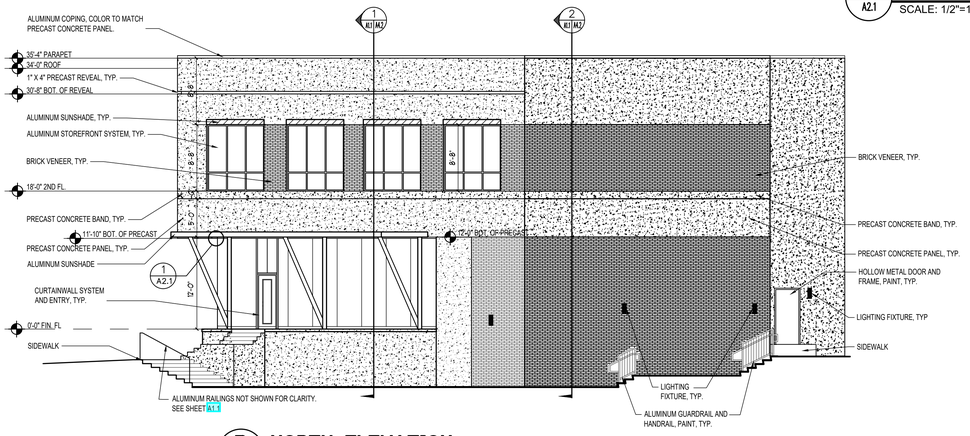


A EAST ELEVATION
A1.1 | A2.1
SCALE: 1/8"=1'-0"

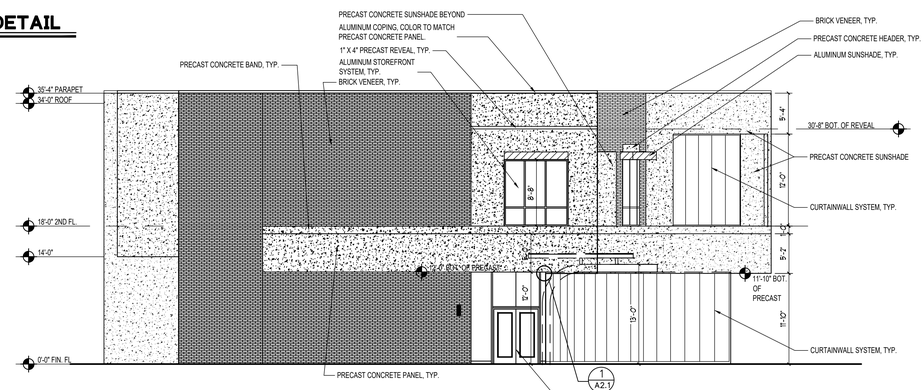
YOUTH LEARNING CENTER

1 PRECAST HT DETAIL
A2.1
SCALE: 1/2"=1'-0"



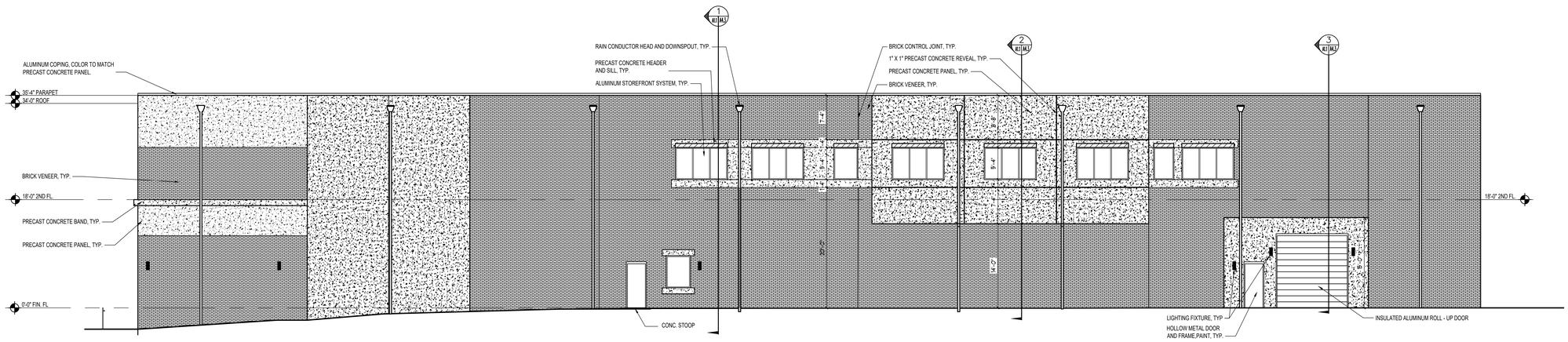
B NORTH ELEVATION
A1.1 | A2.1
SCALE: 1/8"=1'-0"

YOUTH LEARNING CENTER



C SOUTH ELEVATION
A1.1 | A2.1
SCALE: 1/8"=1'-0"

YOUTH LEARNING CENTER



D WEST ELEVATION
A1.1 | A2.1
SCALE: 1/8"=1'-0"

YOUTH LEARNING CENTER

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS

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50% CD	4-15-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER
EXTERIOR ELEVATIONS

A2.1 of .

G:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@Post Submittals\24029 A2.1 YLC ELEVATIONS.dwg, 7/22/2025 3:34:38 PM, rshah

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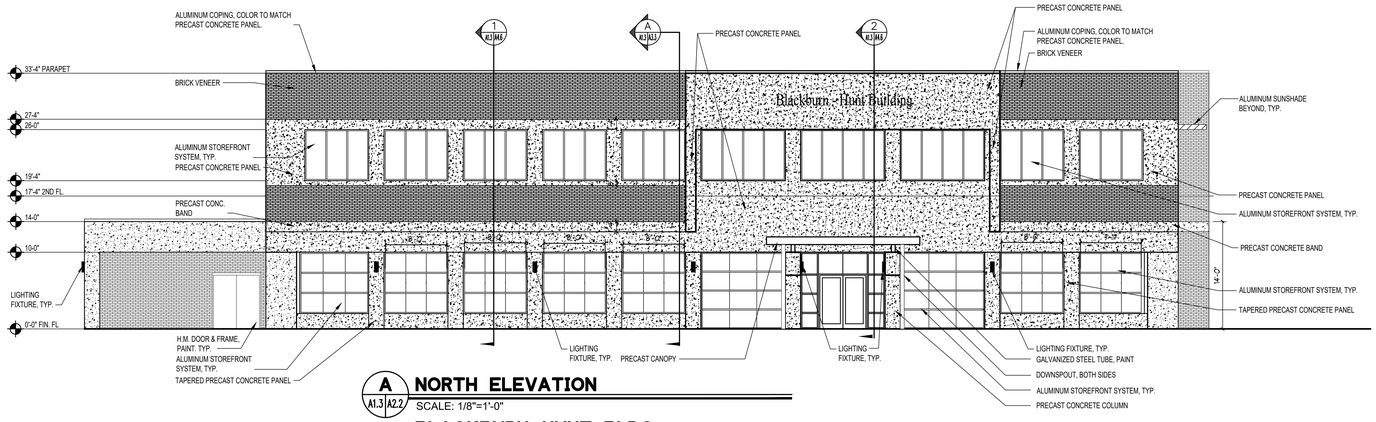
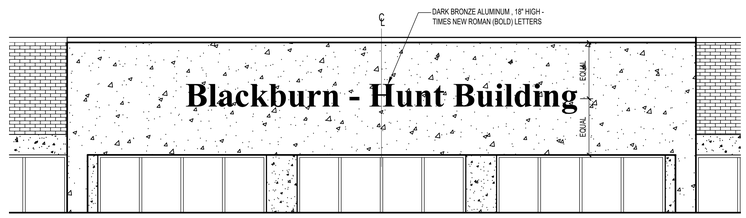


A NORTH ELEVATION
A1.3 A2.2 SCALE: 1/8"=1'-0"

BLACKBURN-HUNT BLDG.



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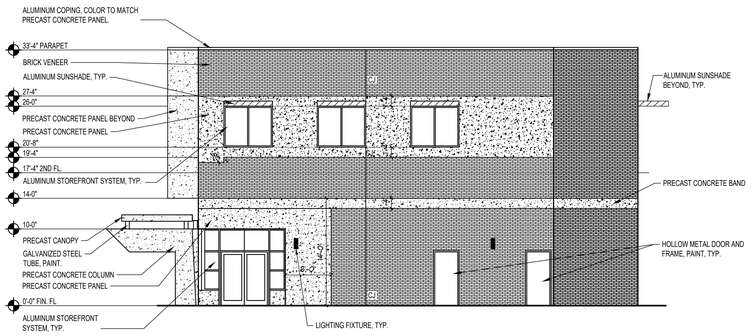
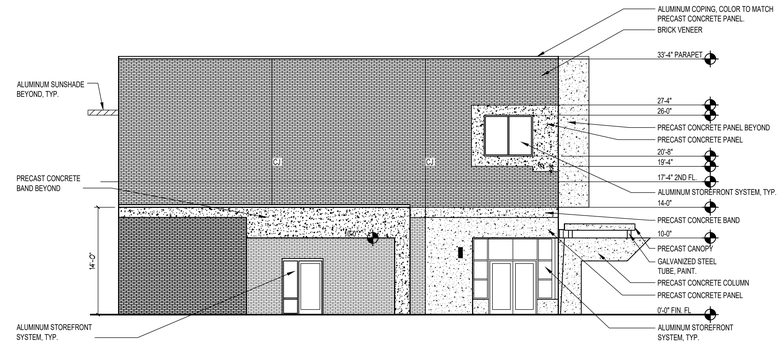


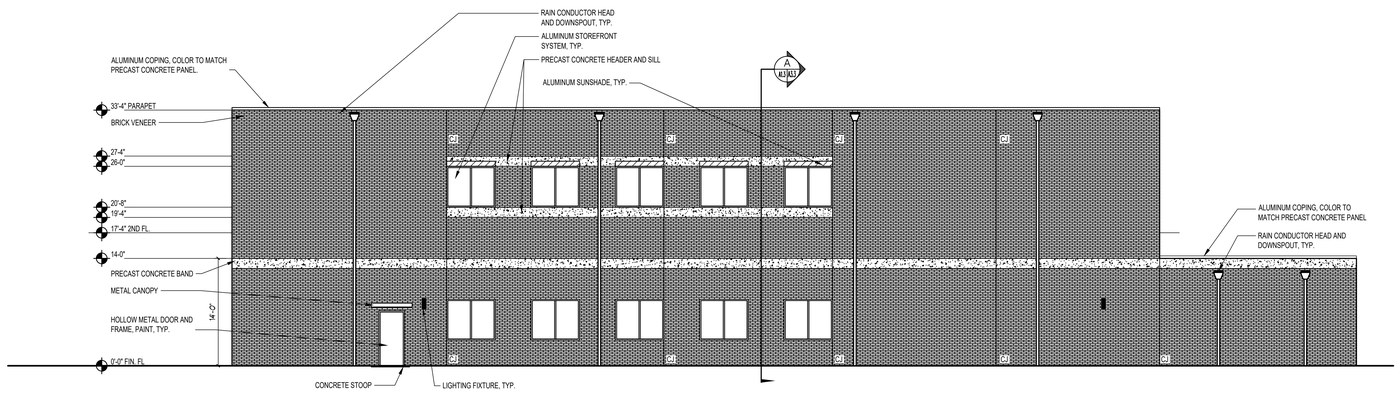
B WEST ELEVATION
A1.3 A2.2 SCALE: 1/8"=1'-0"

BLACKBURN-HUNT BLDG.



C EAST ELEVATION
A1.3 A2.2 SCALE: 1/8"=1'-0"

BLACKBURN-HUNT BLDG.



D SOUTH ELEVATION
A1.3 A2.2 SCALE: 1/8"=1'-0"

BLACKBURN-HUNT BLDG.

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
BLACKBURN-HUNT BUILDING
EXTERIOR ELEVATIONS

A2.2 of .

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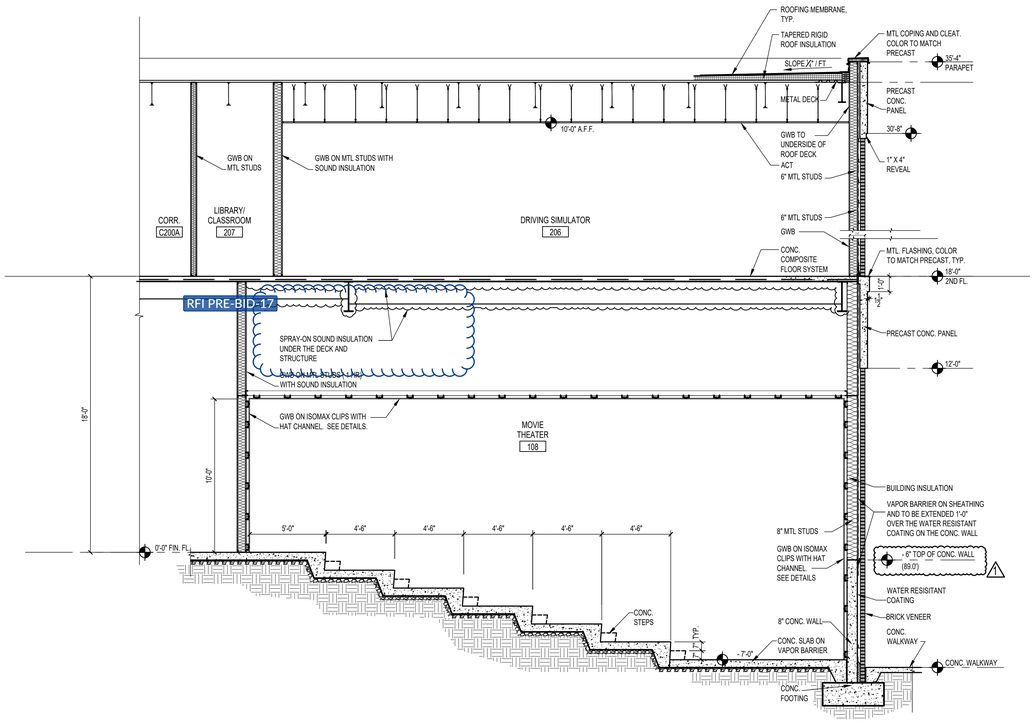
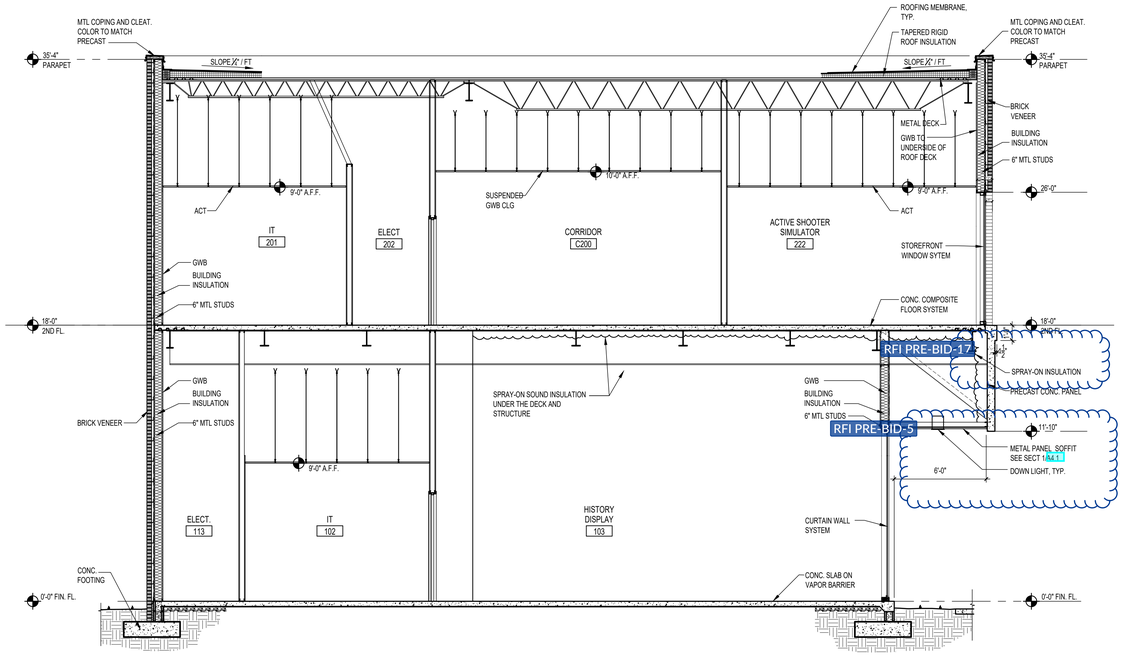


A A1.1 | A3.1 **PARTIAL BLDG SECTION – YOUTH LEARNING CENTER**
SCALE: 1/4"=1'-0"



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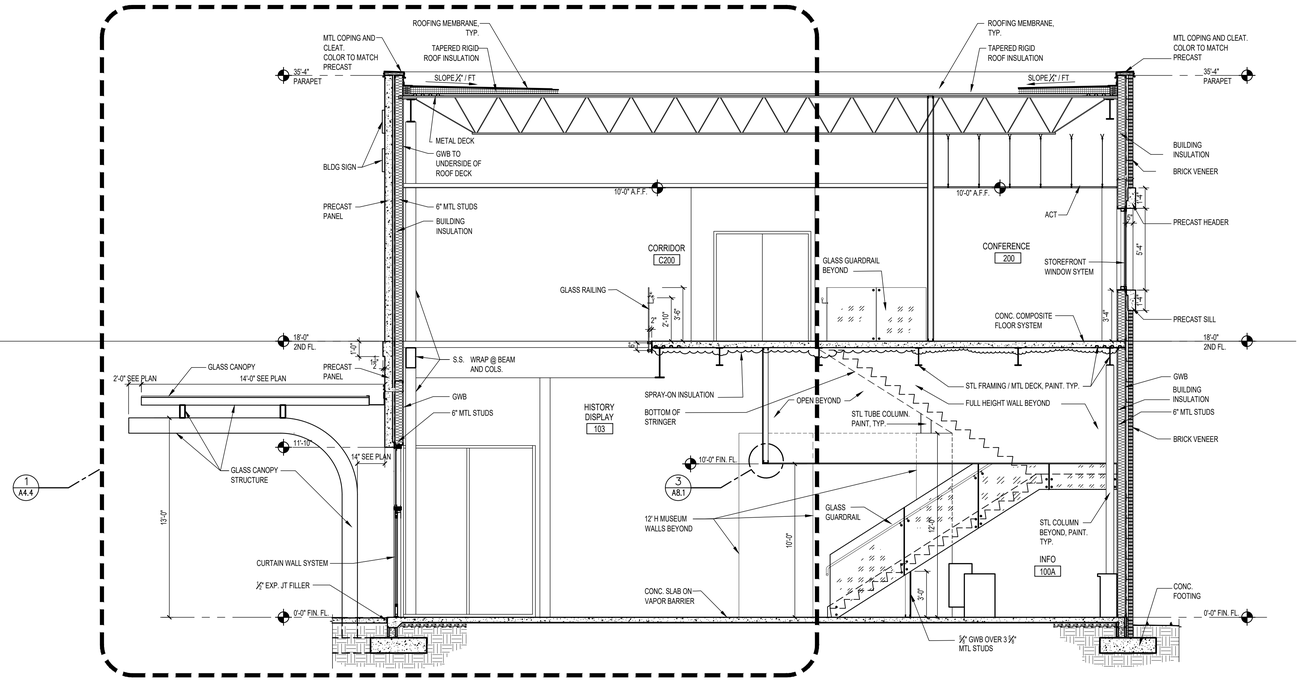

C A1.1 | A3.1 **BLDG SECTION – YOUTH LEARNING CENTER**
SCALE: 1/4"=1'-0"

ALL EXPOSED STEEL BEAMS TO BE PAINTED

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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SHEET TITLE
YOUTH LEARNING CENTER
BUILDING SECTIONS

A3.1 of .

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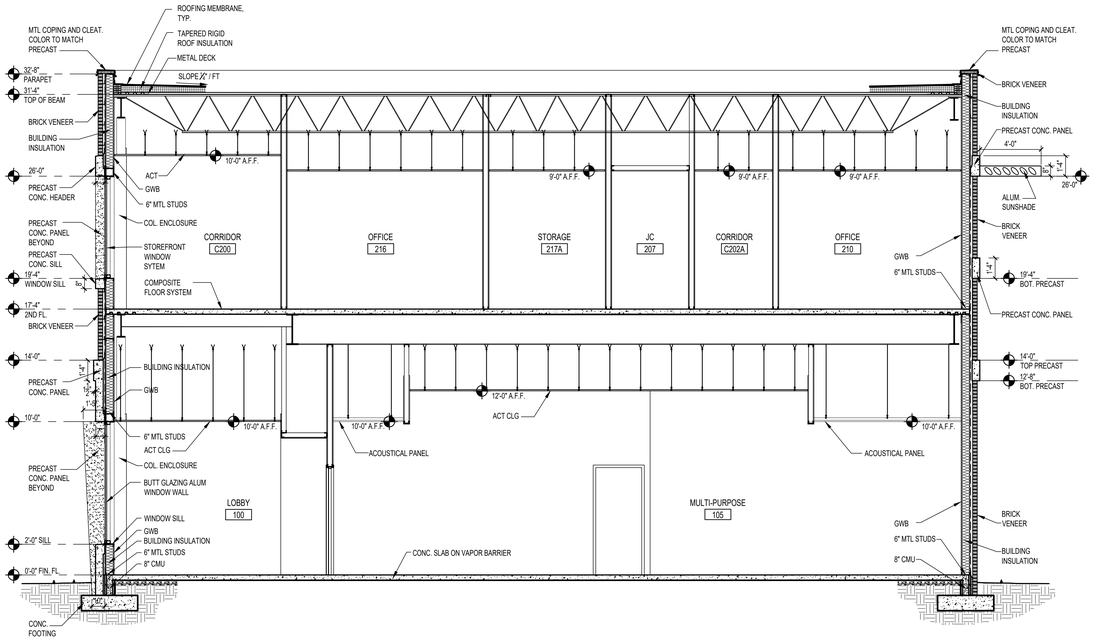
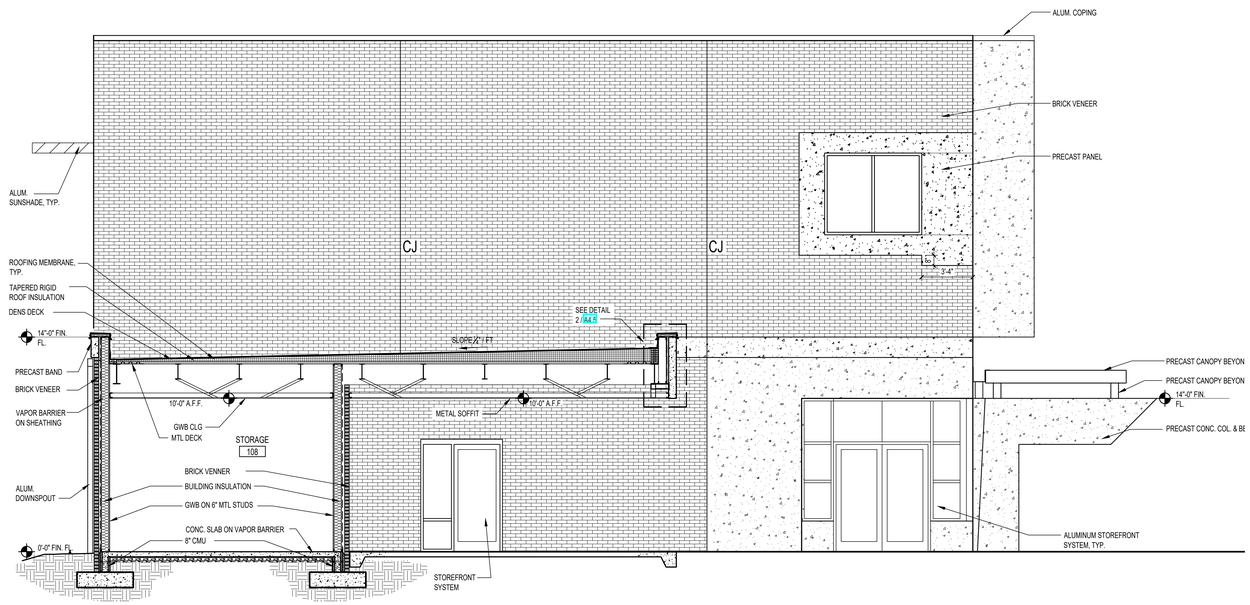


A BLDG SECTION – BLACKBURN-HUNT

A1.3 | A3.2

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



B BLDG SECTION – BLACKBURN-HUNT

A1.3 | A3.2

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

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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100% CD	5-30-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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CRA PROJ.#: 24029

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SHEET TITLE
BLACKBURN-HUNT BLDG
BUILDING SECTIONS

A3.2 of .

G:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@@Post Submittal\24029 A3 & A4 YLC & BH SECTIONS.dwg, 7/22/2025 1:51:19 PM, rshah

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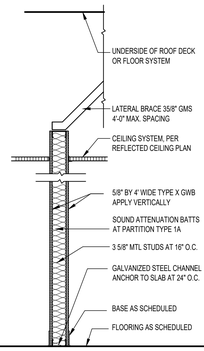
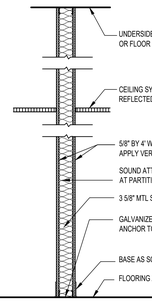


1 **TYP. GWB PARTITION** (NON - RATED)

1A PROVIDE S.A.B. WITHIN WALL



2 **TYP. GWB PARTITION** (NON - RATED)

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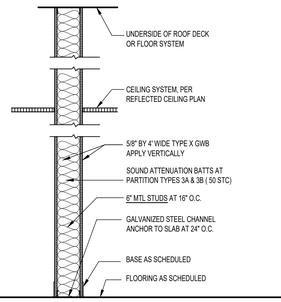
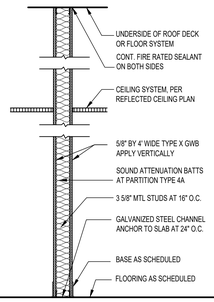


3 **TYP. GWB PARTITION (6" STUDS)**

6" MTL STUDS (NON - RATED)

3A PROVIDE S.A.B. WITHIN WALL

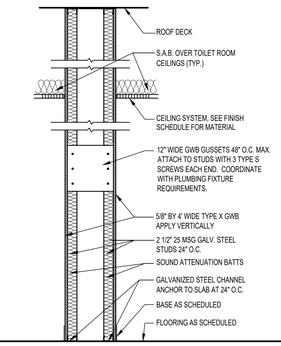
3B PROVIDE S.A.B. WITHIN WALL - **50 STC**



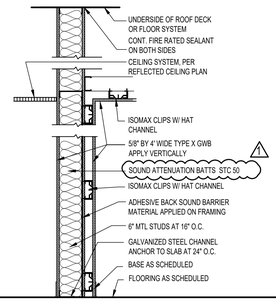
4 **1 HR FIRE PARTITION**

UL# U404

4A PROVIDE S.A.B. WITHIN WALL



5 **PLUMBING CHASE PARTITION**



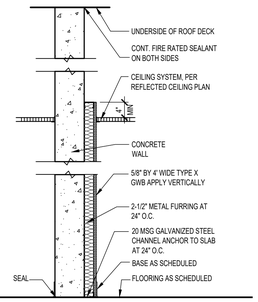
REFER TO THEATER CONSULTANT DWGS FOR WALL DETAILS

6 **1 HR FIRE / SOUND PARTITION**

UL# U404

6A **1 HR FIRE / SOUND PARTITION**

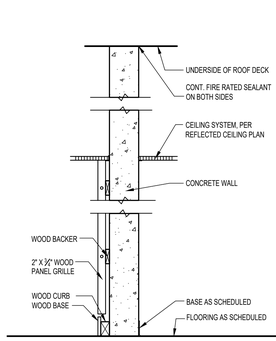
UL# U404 - 8" MTL STUDS



7 **8" CONC. WALL W/ FURRING - 1 HR**

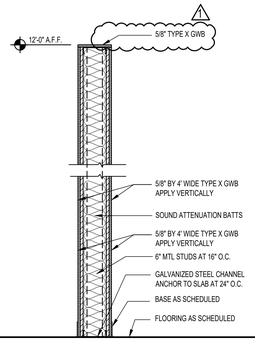
UL# U905

7A PROVIDE 1-1/2" METAL FURRING AT 24" O.C.



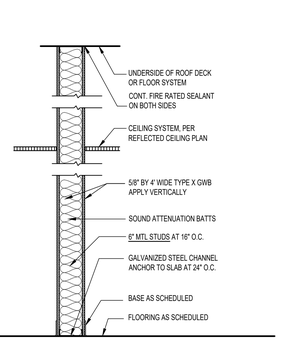
8 **8" CONC. WALL - 1 HR**

UL# U905



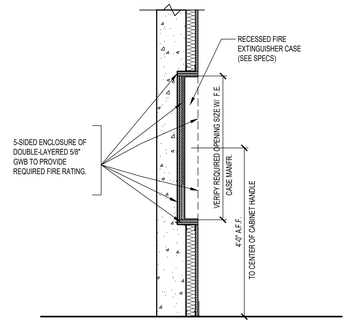
9 **GWB PARTITION** (NON - RATED)

6" MTL STUDS



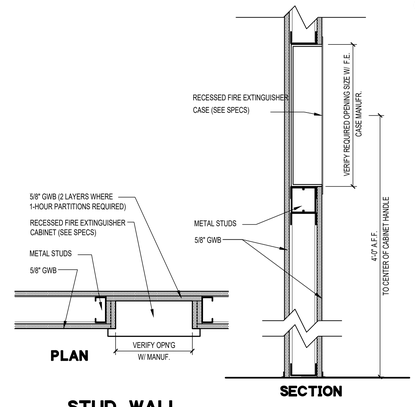
10 **1 HR FIRE PARTITION** (6" MTL STUDS)

UL# U404



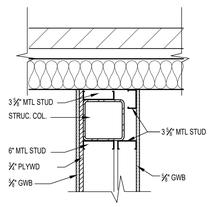
A / A4.5 **CONCRETE WALL FIRE EXTINGUISHER CABINET**

SCALE: 3/4"=1'-0"



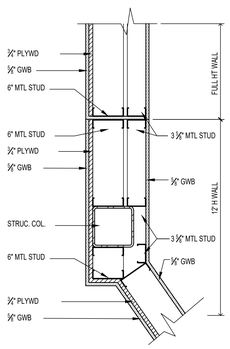
B / A4.5 **STUD WALL FIRE EXTINGUISHER CABINET**

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



1 / A1.1 / A4.0 **COL. DETAIL**

SCALE: 1"=1'-0"



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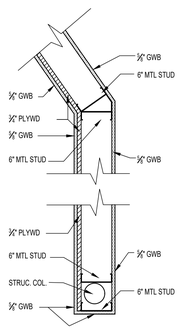

3 / A1.1 / A4.0 **COL. DETAIL**

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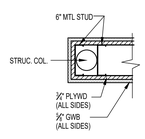

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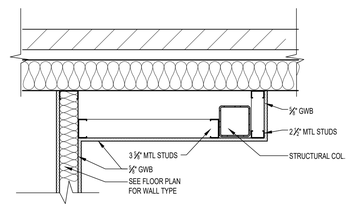
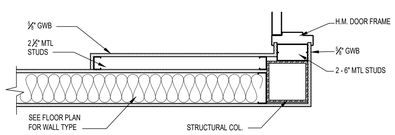


5 / A1.1 / A4.0 **COL. DETAIL**

SCALE: 1"=1'-0"



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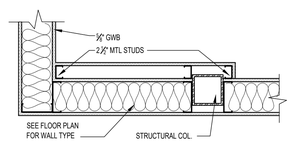
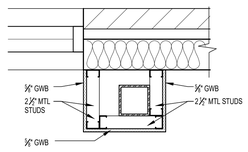
SCALE: 1"=1'-0"



7 / A1.1 / A4.0 **COL. DETAIL**

SCALE: 1"=1'-0"



8 / A1.1 / A4.0 **COL. DETAIL**

SCALE: 1"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS

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100% CD	7-18-25	R. SHAH	S. DIVSALAR

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CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
YLC & BH
PARTITION TYPES & COLUMN DETAILS

A4.0 of .

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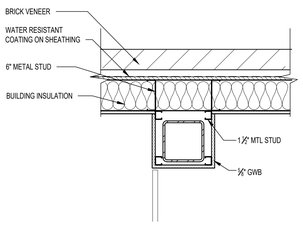
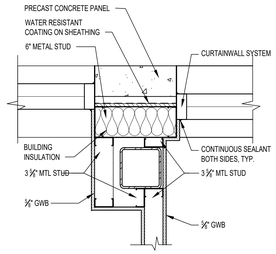


1 COL. DETAIL
A1.2 A4.0A SCALE: 1"=1'-0"



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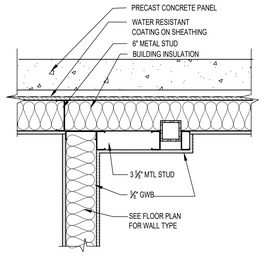

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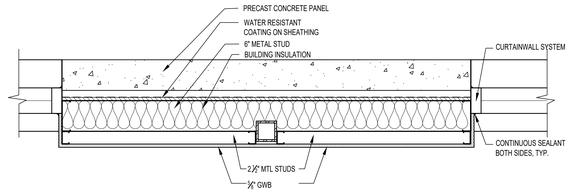

4 COL. DETAIL
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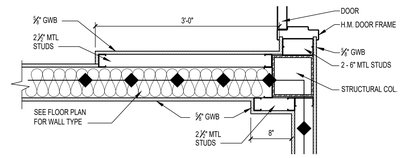

5 COL. DETAIL
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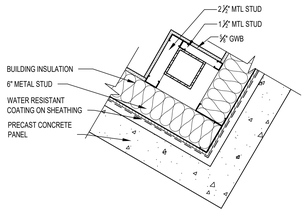

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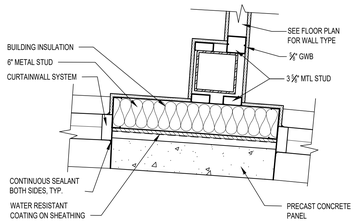

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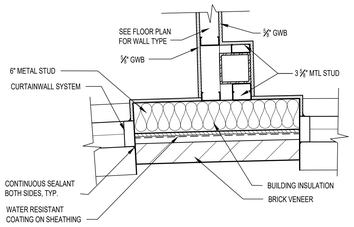

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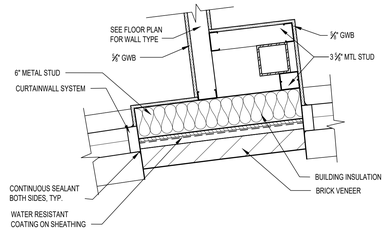

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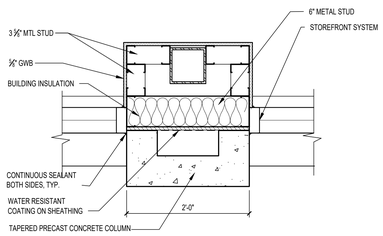

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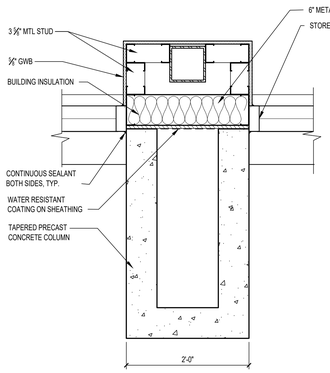

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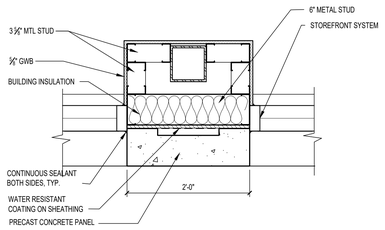

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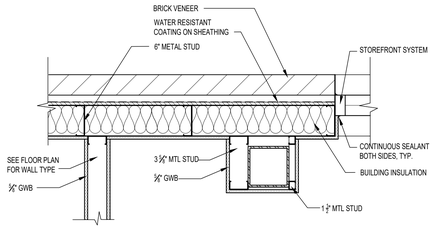

13 COL. DETAIL
A1.3 A4.0A SCALE: 1"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YLC & BH
COLUMN DETAILS

A4.0A of .

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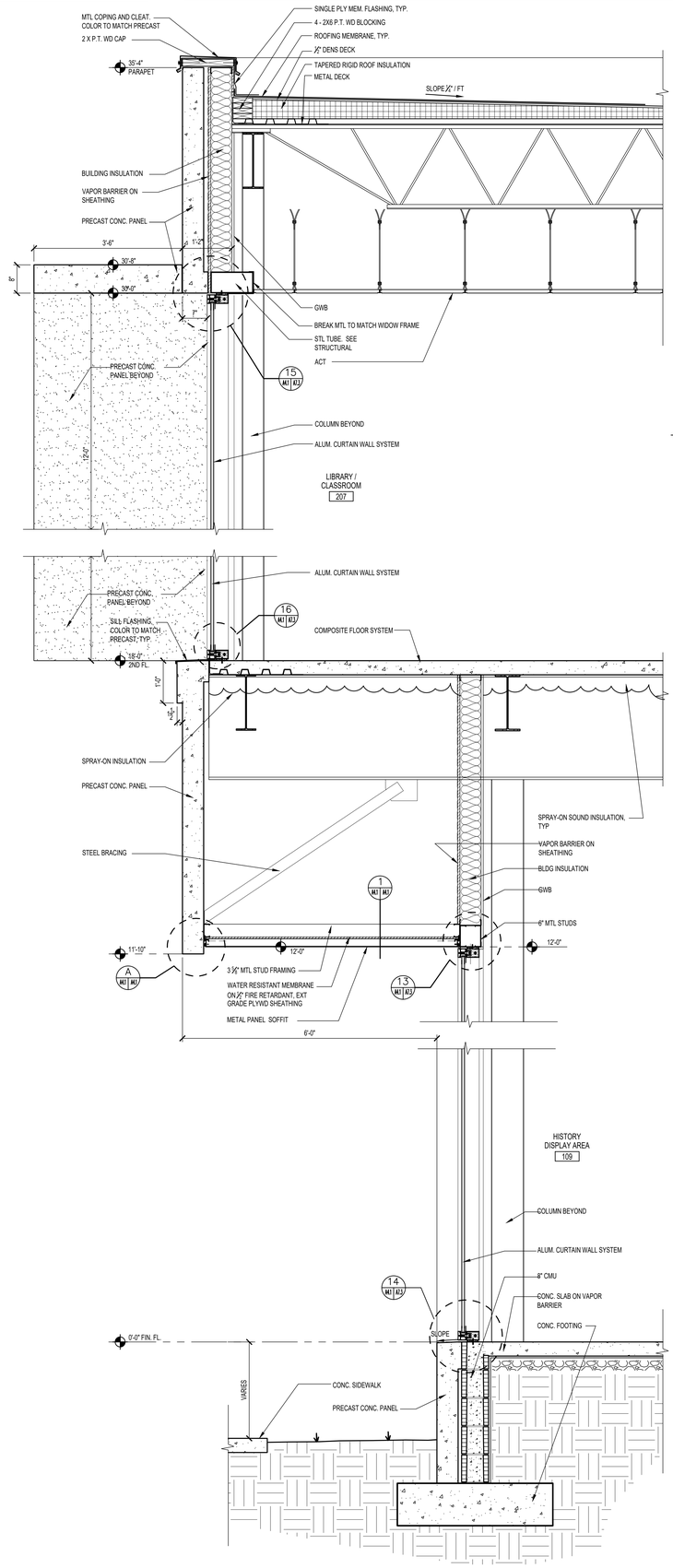
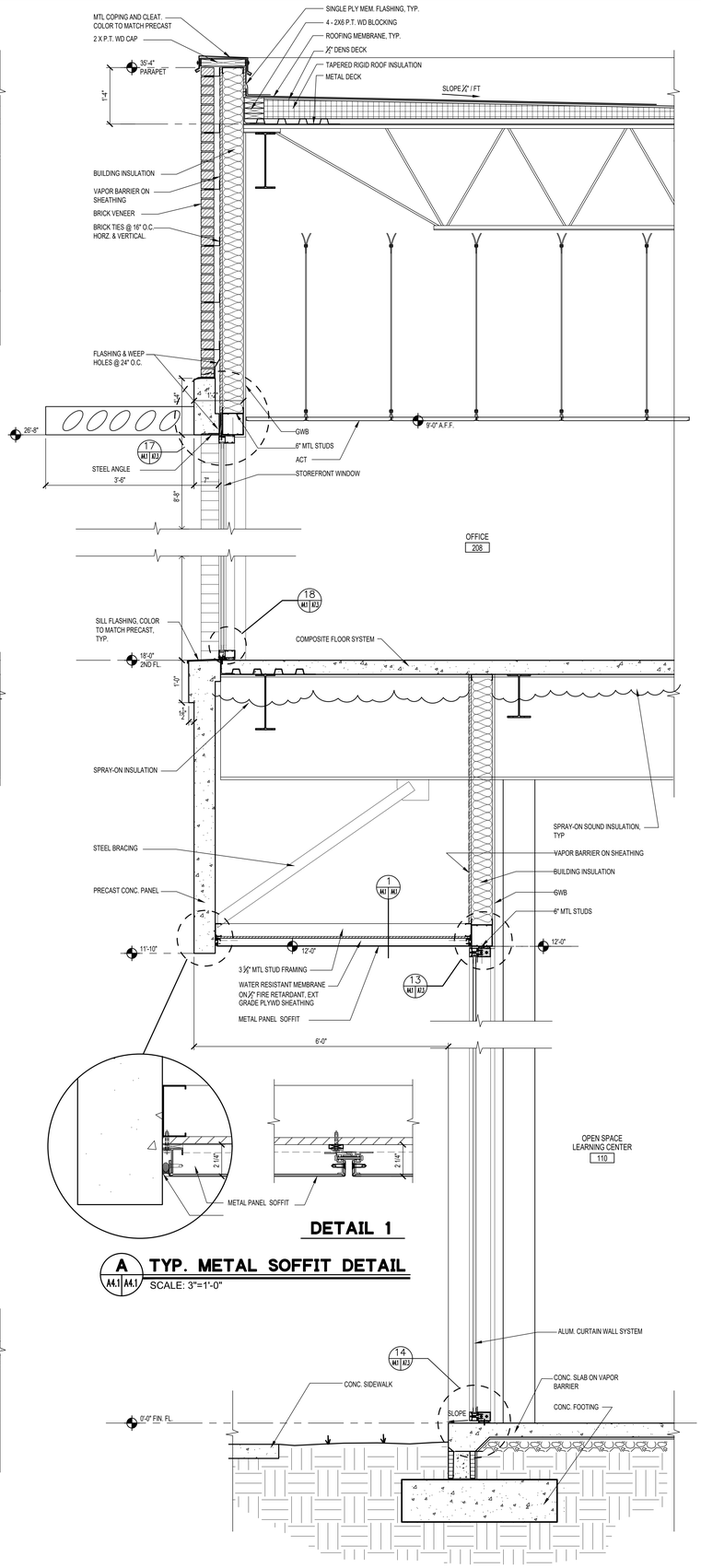


1 A1.1 A4.1 **WALL SECTION - YOUTH LEARNING CENTER**

SCALE: 3/4"=1'-0"



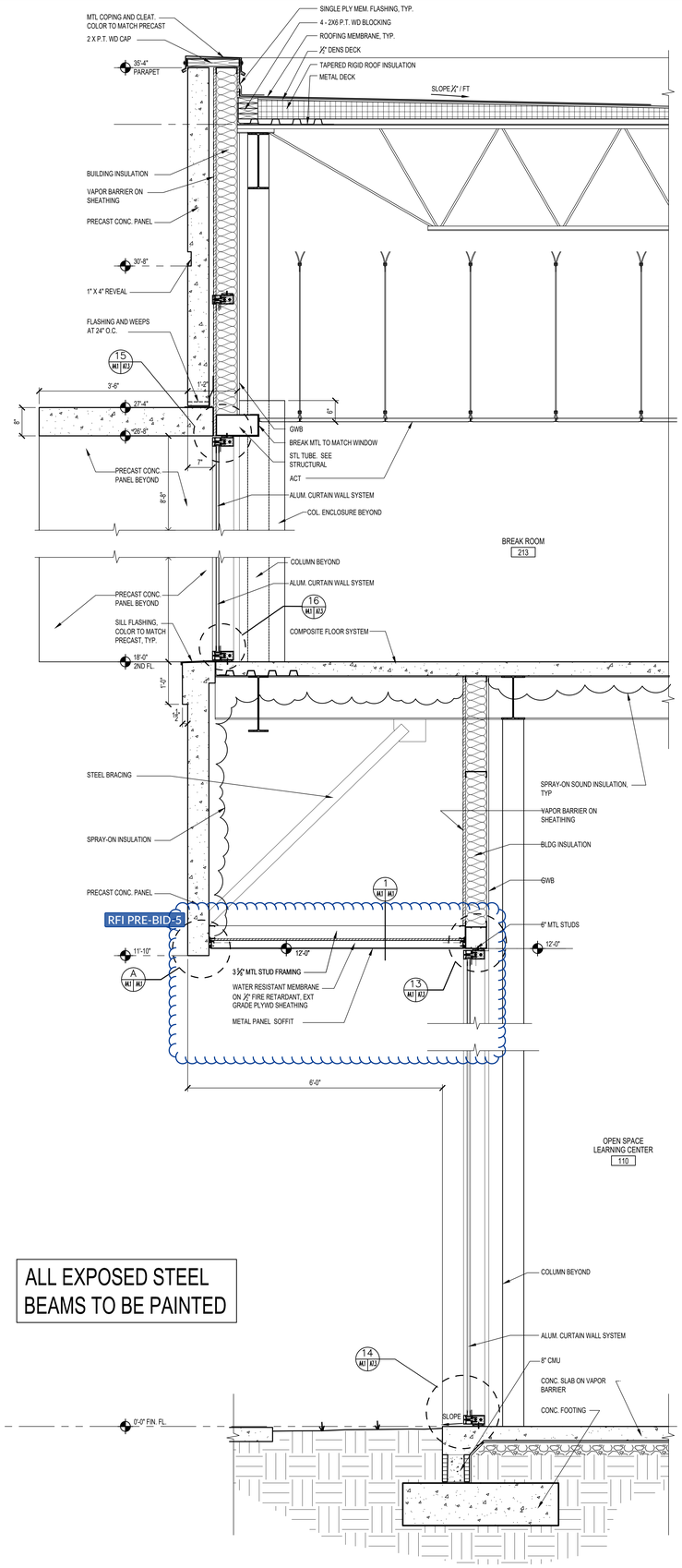
DETAIL 1

A A4.1 A4.1 **TYP. METAL SOFFIT DETAIL**

SCALE: 3"=1'-0"

2 A1.1 A4.1 **WALL SECTION - YOUTH LEARNING CENTER**

SCALE: 3/4"=1'-0"



ALL EXPOSED STEEL BEAMS TO BE PAINTED

3 A1.1 A4.1 **WALL SECTION - YOUTH LEARNING CENTER**

SCALE: 3/4"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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SHEET TITLE
YOUTH LEARNING CENTER
WALL SECTIONS

A4.1 of .

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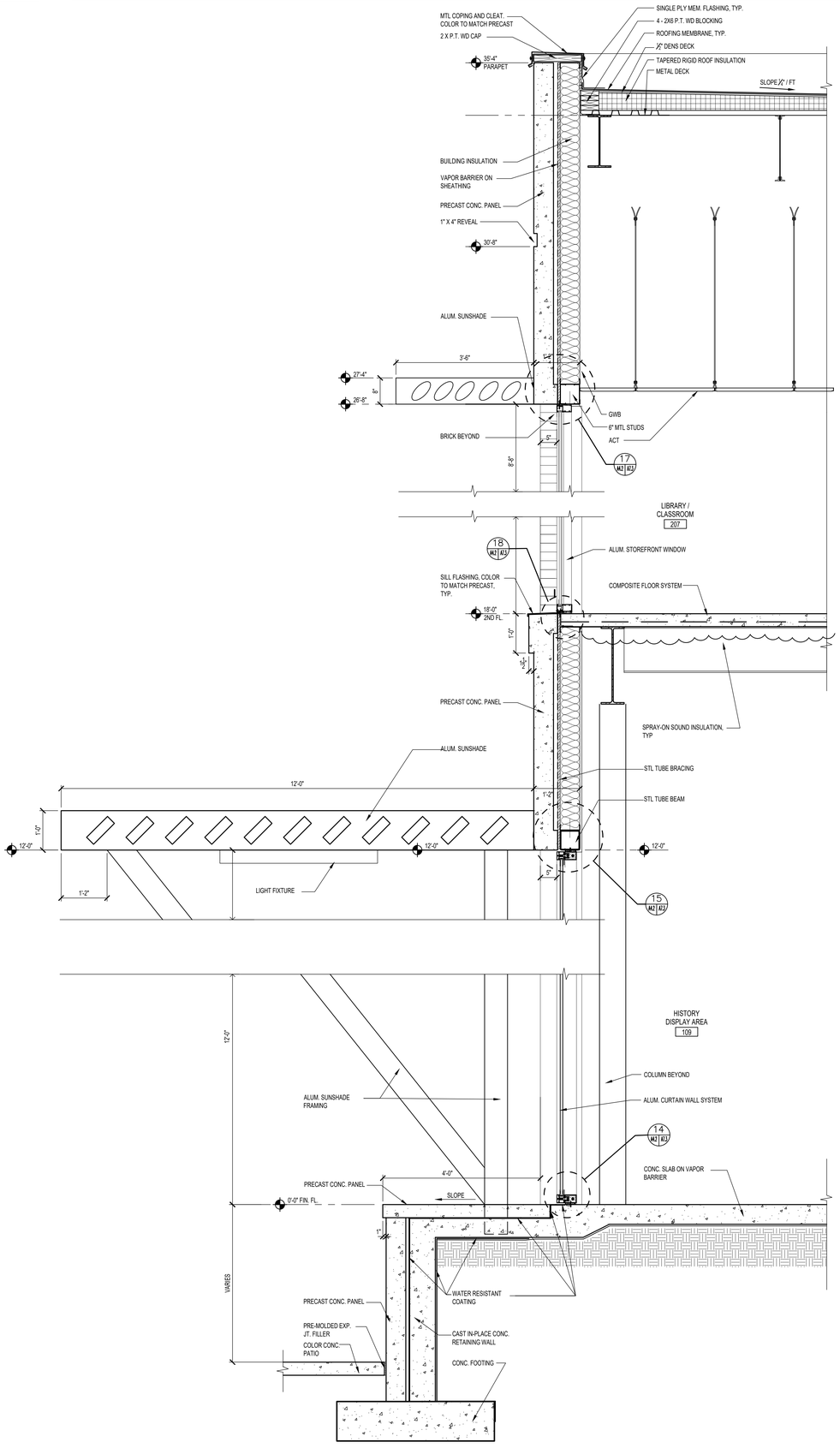
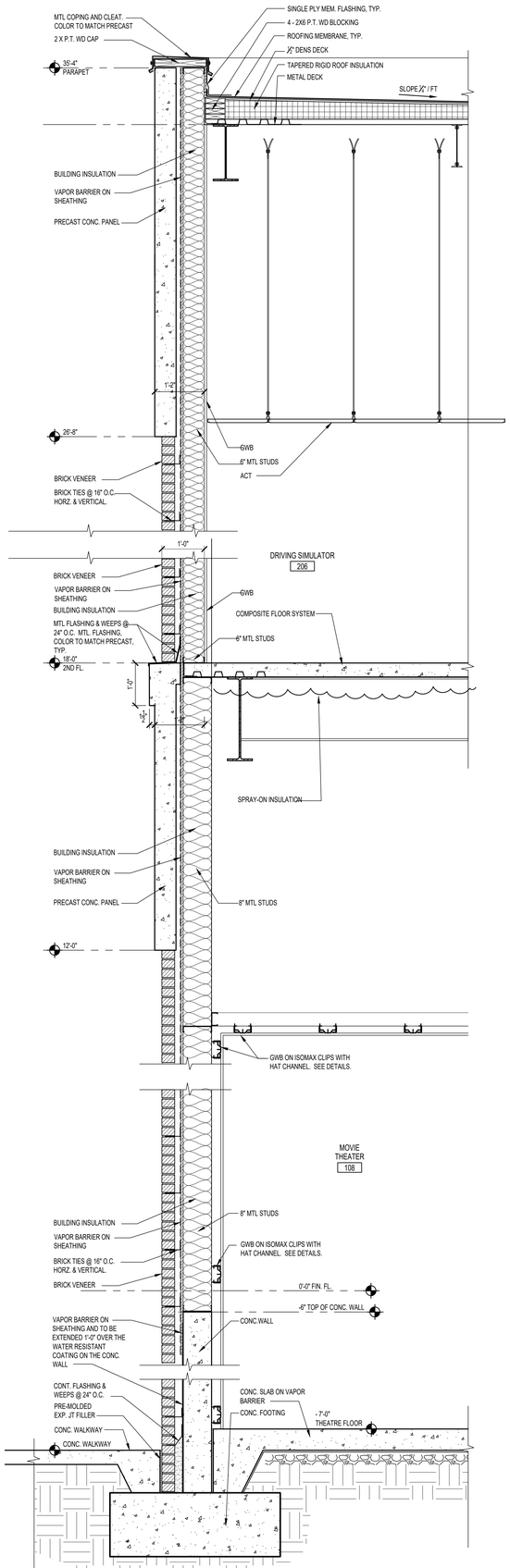


1 A1.1 A4.2 **WALL SECTION – YOUTH LEARNING CENTER**

SCALE: 3/4"=1'-0"



2 A1.1 A4.2 **WALL SECTION – YOUTH LEARNING CENTER**

SCALE: 3/4"=1'-0"

ALL EXPOSED STEEL BEAMS TO BE PAINTED

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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SHEET TITLE
YOUTH LEARNING CENTER
WALL SECTIONS

A4.2 of .

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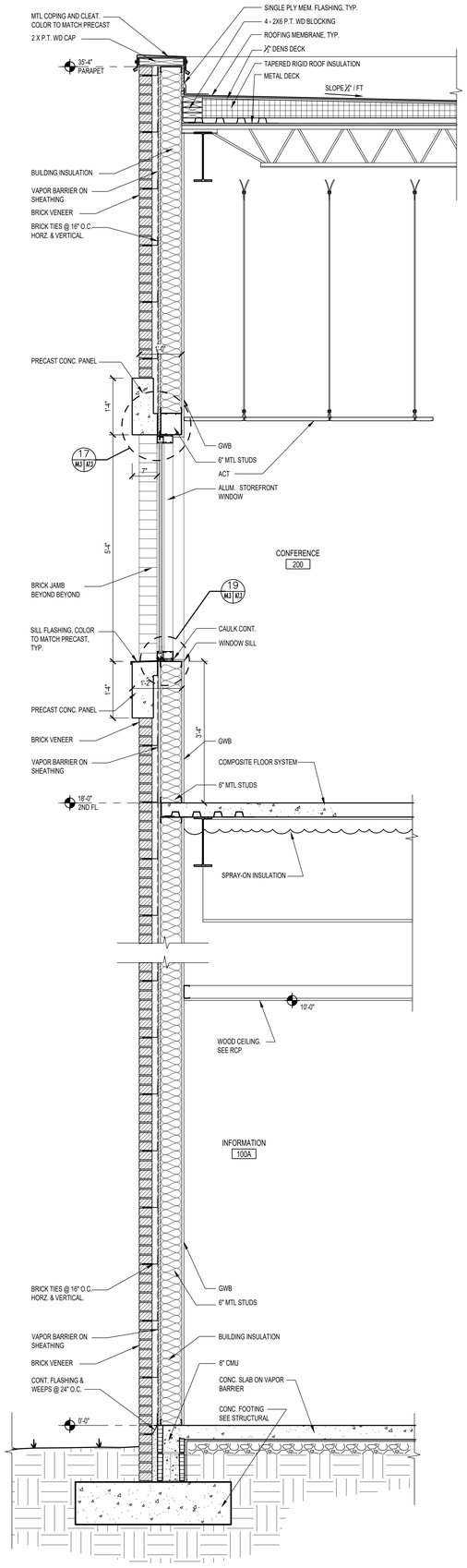
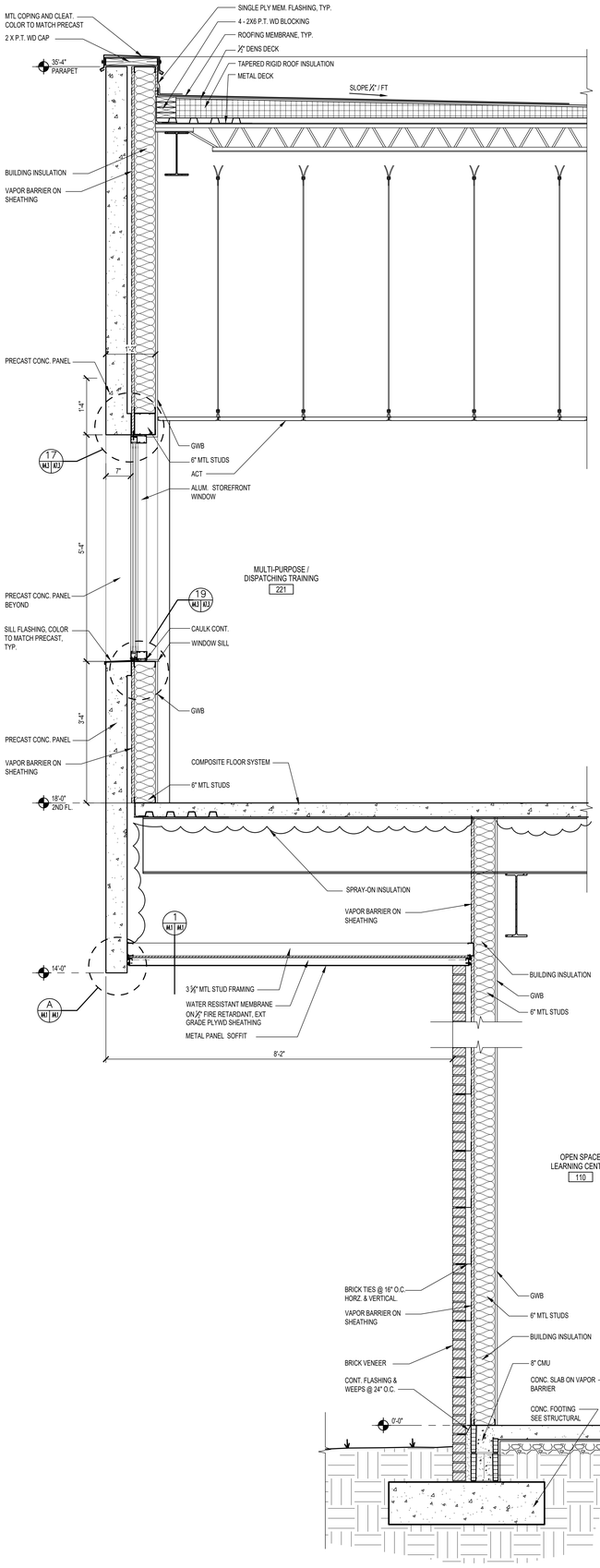
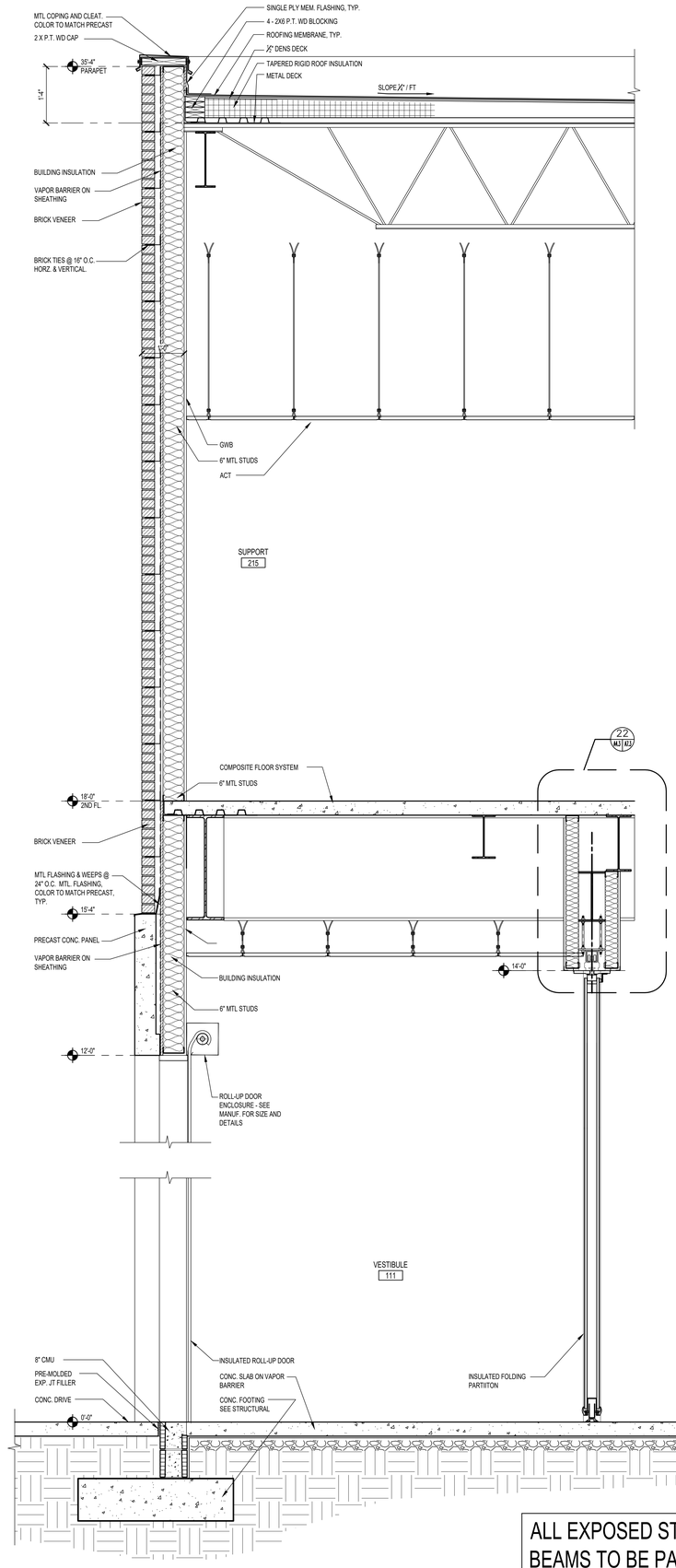


1 WALL SECTION – YOUTH LEARNING CENTER
A1.1 | A4.3 SCALE: 3/4"=1'-0"



2 WALL SECTION – YOUTH LEARNING CENTER
A1.1 | A4.3 SCALE: 3/4"=1'-0"



3 WALL SECTION – YOUTH LEARNING CENTER
A1.1 | A4.3 SCALE: 3/4"=1'-0"

ALL EXPOSED STEEL BEAMS TO BE PAINTED

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
Clemons, Rutherford & Associates Inc.
Architects
Planners
Interior Designers
Construction Managers
2027 Thomasville Road
Tallahassee, Florida 32308
(850) 385-6153
Fax (850) 386-8420
e-mail
cra@clemons-rutherford.com

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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
DD	2-26-25	R. SHAH	S. DIVSALAR
50% CD	4-15-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER
WALL SECTIONS

A4.3 of .

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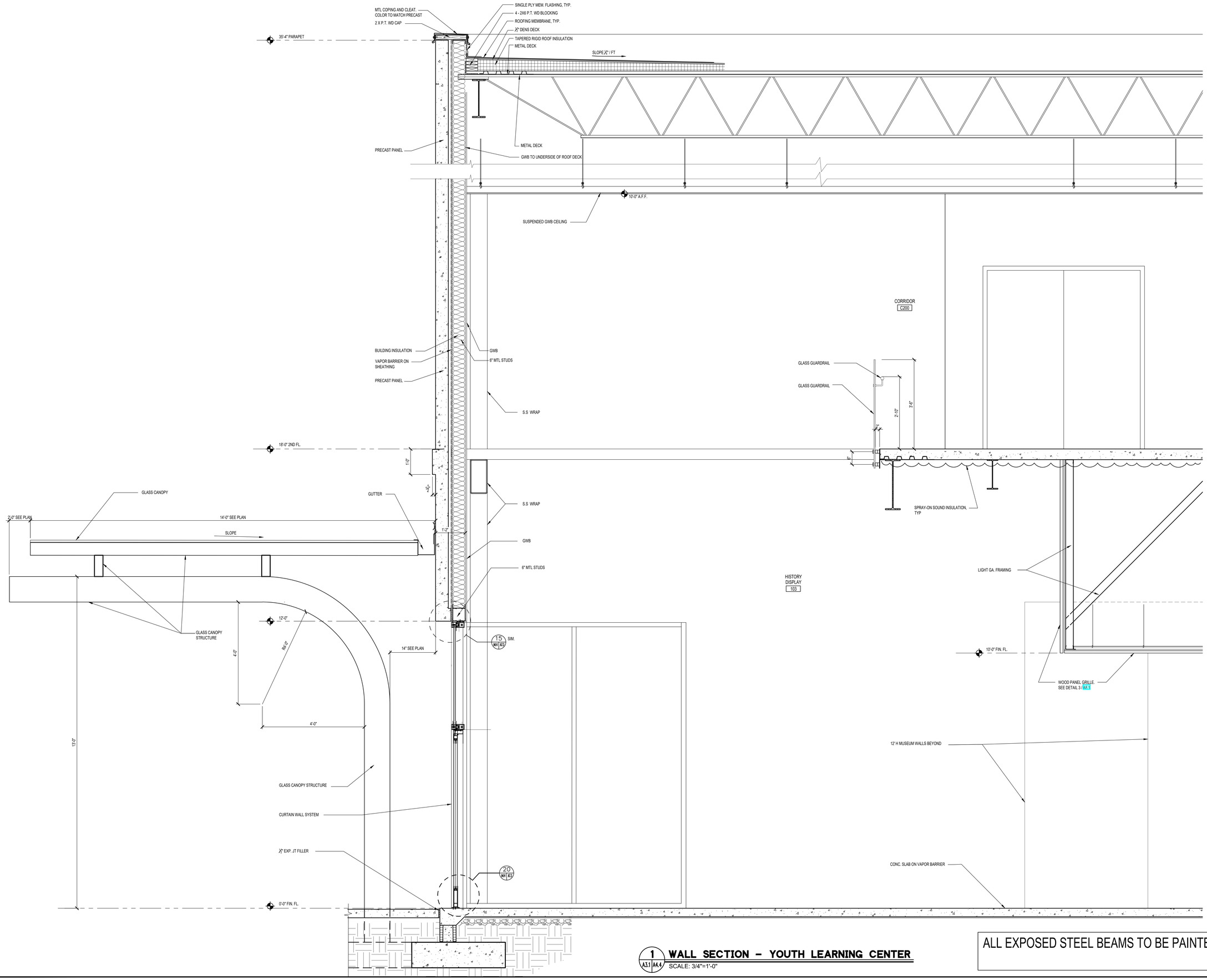
G:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@Post Submittal\24029 A3 & A4 YLC & BH SECTIONS.dwg, 7/22/2025 2:01:51 PM, rshah



1 WALL SECTION - YOUTH LEARNING CENTER

A3.1 | A4.4

SCALE: 3/4"=1'-0"

ALL EXPOSED STEEL BEAMS TO BE PAINTED

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

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TALLAHASSEE, FL

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100% CD	5-30-25	R. SHAH	S. DIVSALAR
100% CD	7-19-25	R. SHAH	S. DIVSALAR
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CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER
WALL SECTION

A4.4 of .

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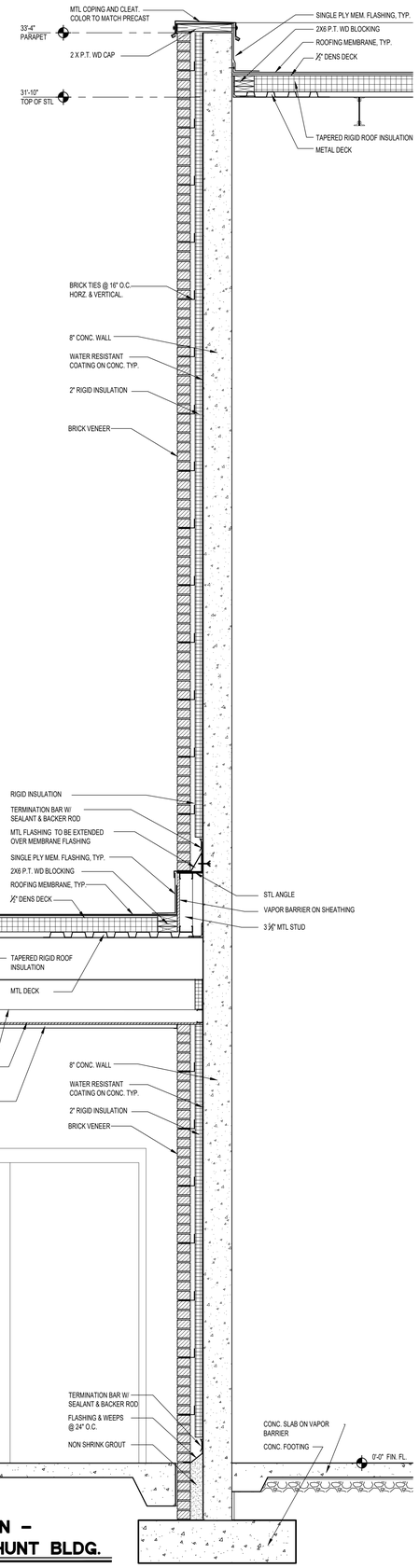
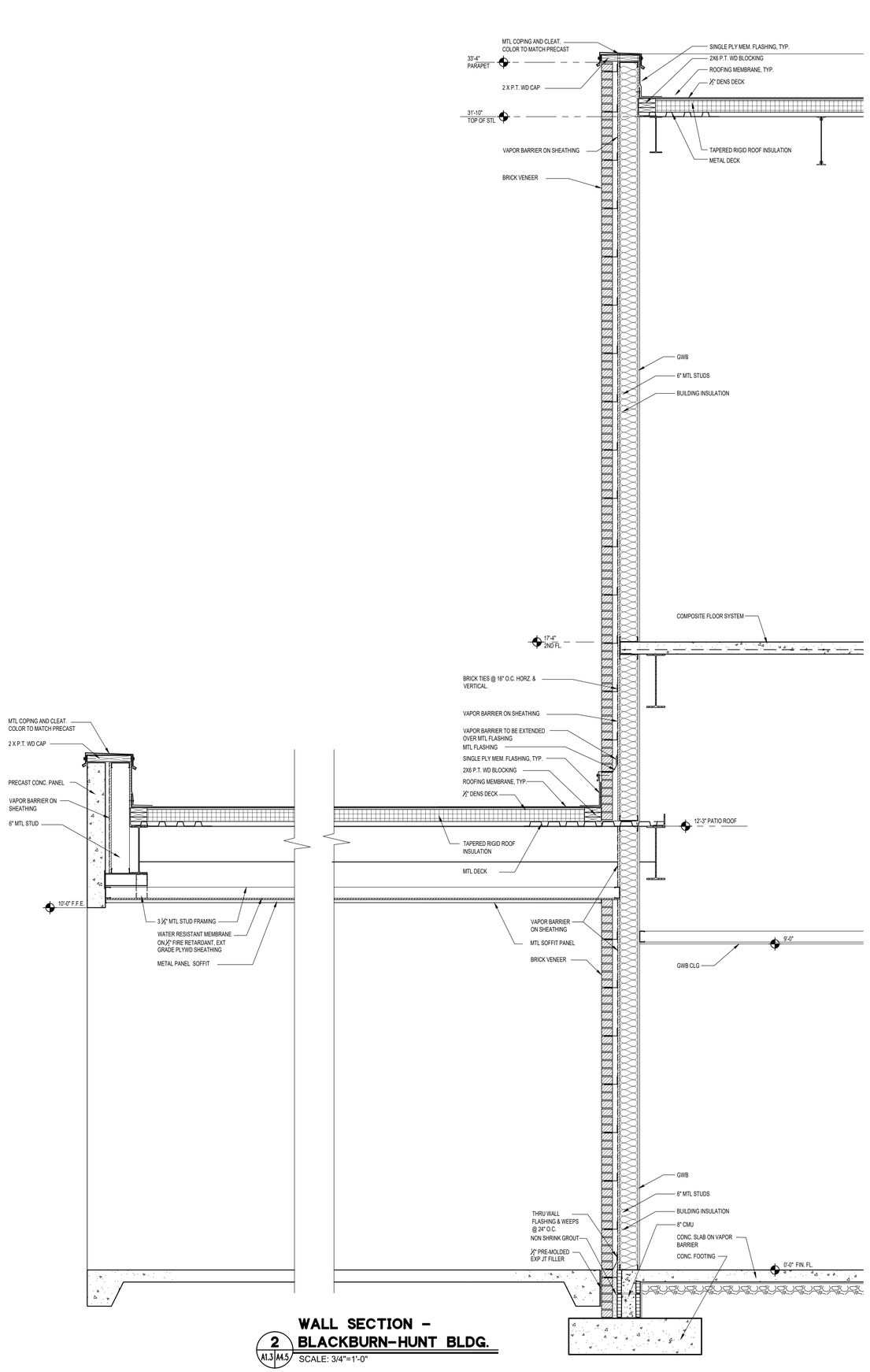


1 A1.3 A4.5 WALL SECTION - BLACKBURN-HUNT BLDG.

SCALE: 3/4"=1'-0"



2 A1.3 A4.5 WALL SECTION - BLACKBURN-HUNT BLDG.

SCALE: 3/4"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
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100% CD	5-30-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
BLACKBURN-HUNT BLDG
WALL SECTIONS

A4.5 of .

G:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@Post Submittals\24029 A3 & A4 YLC & BH SECTIONS.dwg, 7/22/2025 2:03:28 PM, rshah

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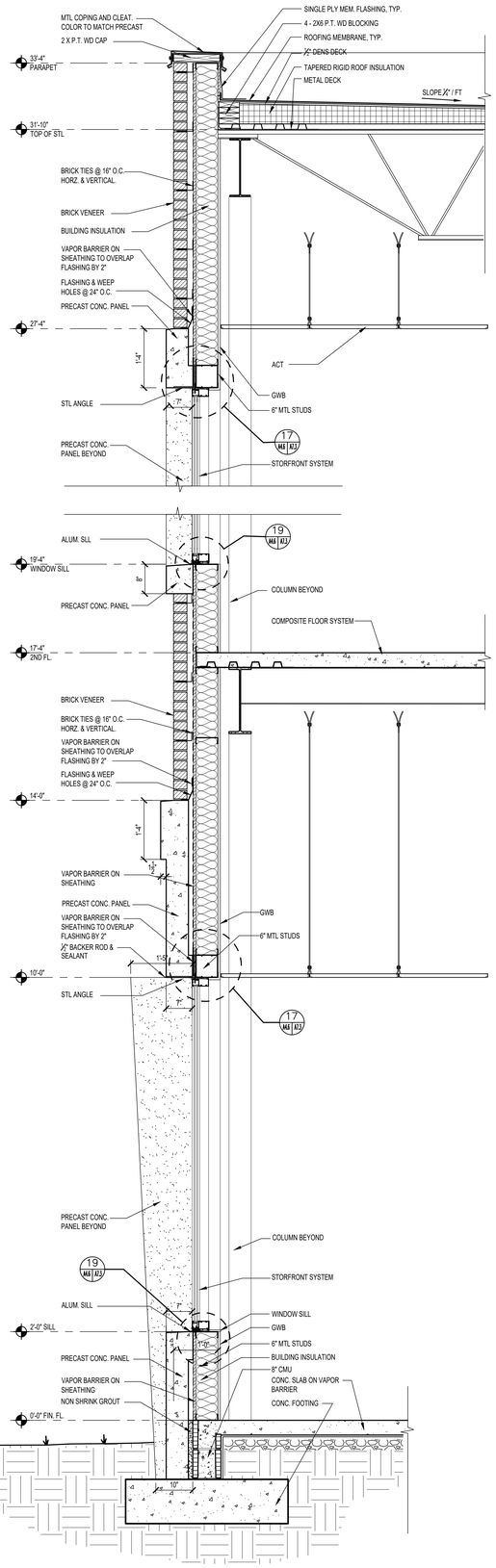
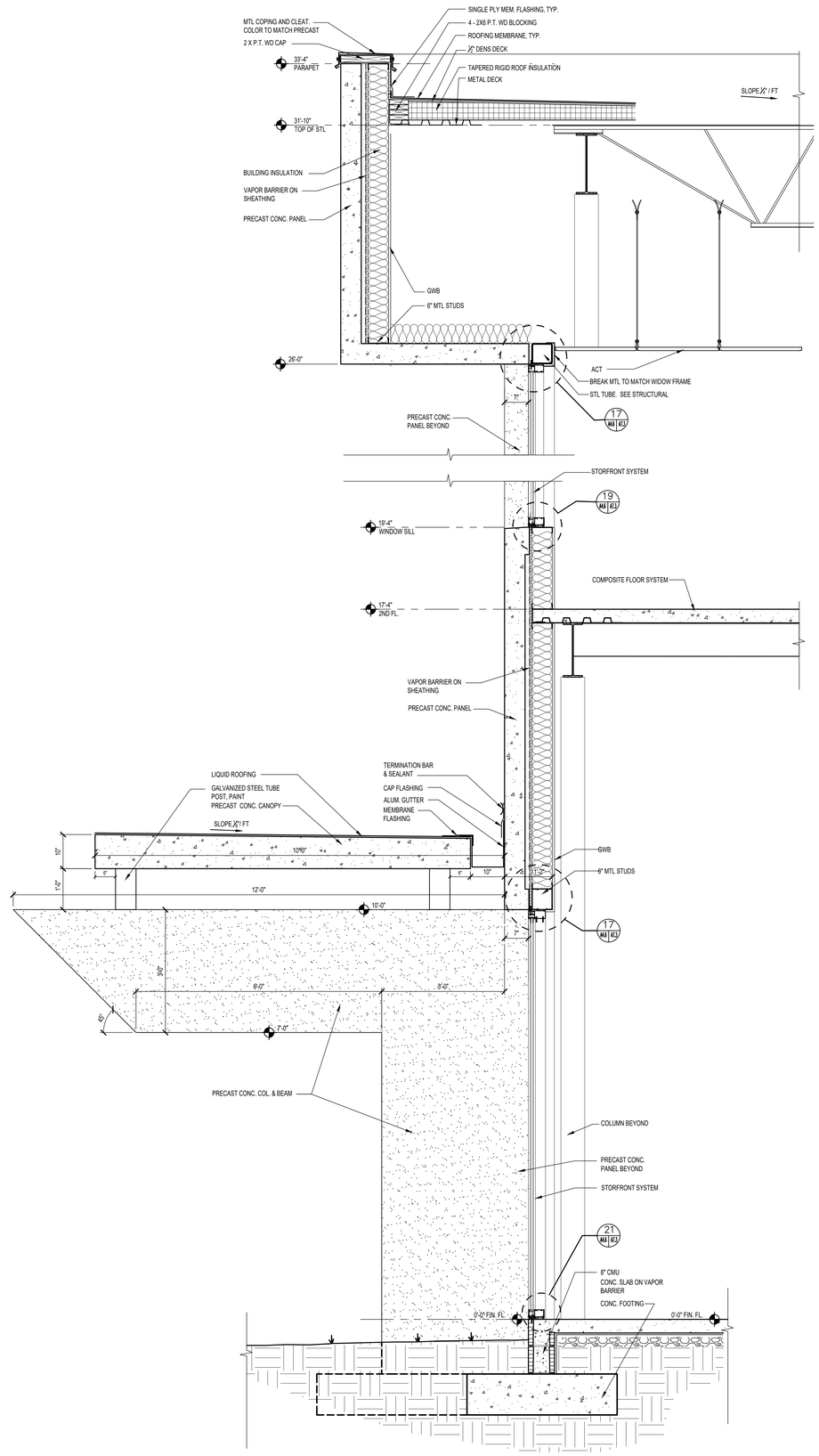


1 **WALL SECTION – BLACKBURN-HUNT BLDG.**
A1.3 A4.6 SCALE: 3/4"=1'-0"



2 **WALL SECTION – BLACKBURN-HUNT BLDG.**
A1.3 A4.6 SCALE: 3/4"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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100% CD	5-30-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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CRA PROJ.#: 24029
PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
BLACKBURN-HUNT BLDG
WALL SECTIONS

A4.6 of .

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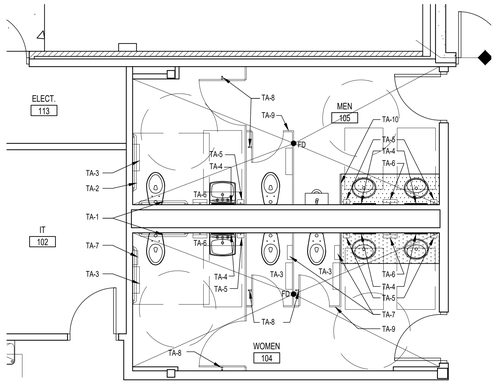
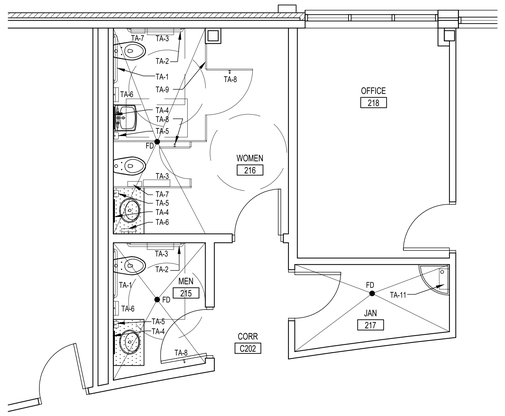


ENLARGED PLAN – RMS 104, 105 (204, 205 SIM.)

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

YOUTH LEARNING CENTER



ENLARGED PLAN – RMS 215, 216

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

YOUTH LEARNING CENTER

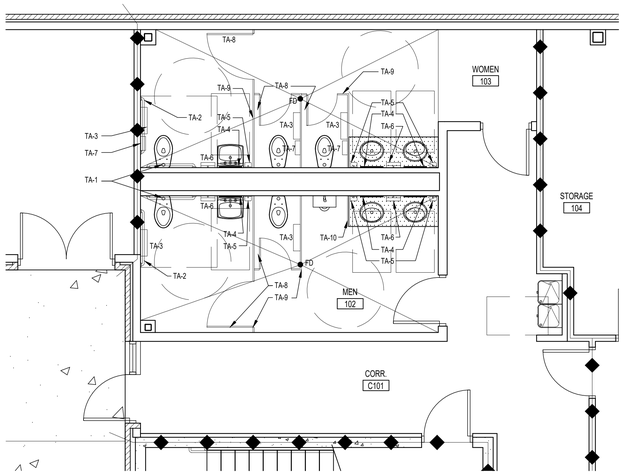
TOILET ACCESSORY SCHEDULE	
TA-1	36" GRAB BAR (CFCI)
TA-2	42" GRAB BAR (CFCI)
TA-3	SURFACE MOUNTED TOILET TISSUE HOLDER (CFCI)
TA-4	FIXED MIRROR - 18" X 30" (CFCI)
TA-4A	FIXED MIRROR - 50" X 36" (CFCI)
TA-5	WALL MOUNTED SENSORED SOAP DISPENSER (CFCI)
TA-6	SENSORED SURFACE MOUNTED HAND DRYER (CFCI)
TA-7	SURFACE MOUNTED SANITARY NAPKIN DISPENSER (CFCI)
TA-8	ROBE HOOK (CFCI)
TA-9	TOILET PARTITION (CFCI)
TA-10	URINAL SCREEN (CFCI)
TA-11	UTILITY SHELF (CFCI)
TA-12	SHOWER CURTAIN ROD (CFCI)
TA-13	48" GRAB BAR (CFCI)
TA-14	24" GRAB BAR (CFCI)
TA-15	18" GRAB BAR - VERTICAL (CFCI)

** TOILET ACCESSORIES SHALL BE CONTRACTOR FURNISHED AND INSTALLED - UNLESS OTHERWISE NOTED.

CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFOI = OWNER FURNISHED, OWNER INSTALLED
CFOI = OWNER FURNISHED, CONTRACTOR INSTALLED

NOTES:

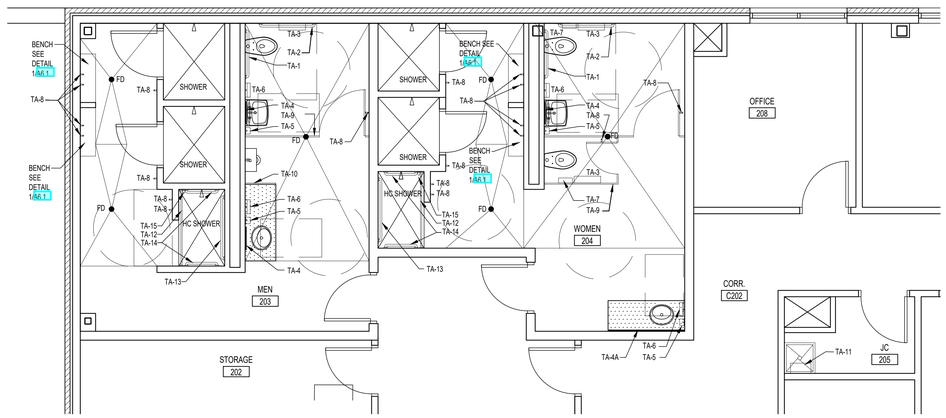
1. GENERAL CONTRACTOR PROVIDE BLOCKING FOR ALL TOILET & WALL MOUNTED ACCESSORIES.
2. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR THE DELIVERY OF ALL OWNER FURNISHED TOILET ACCESSORIES TO THE PROJECT SITE AND THE INSTALLATION. CONTACT: JEFF HITTINGER, OSCEOLA SUPPLY, 915 COMMERCE BLVD., MIDWAY, FLORIDA. PHONE: 850-580-9800 (W), 850-545-0438 (C).
3. REFER TO SHEET A0.0 FOR TYPICAL MOUNTING HEIGHTS.
4. GRAB BARS LIVE LOAD INSTALLATION REQUIREMENTS SHALL COMPLY WITH FBC-1607.82.



ENLARGED PLAN – RMS 102, 103

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

BLACKBURN-HUNT BLDG.



ENLARGED PLAN – RMS 203, 204 & 205

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

BLACKBURN-HUNT BLDG.

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS

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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

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CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER & BLACKBURN-HUNT ENLARGED PLANS

A5.1 of .

C:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@@Post Submittal\24029 A5.1 ENLARGED PLANS.dwg, 7/17/2025 5:02:25 PM, rshah

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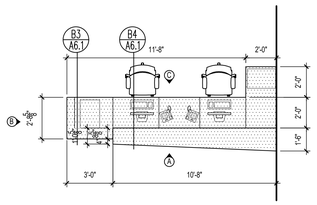
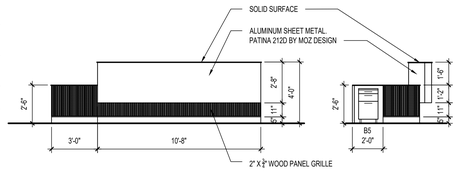


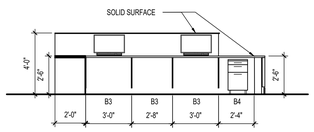
YLC-INFO 100A

SCALE: 1/4" = 1'=0" FLOOR PLAN

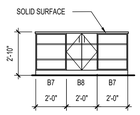


ELEVATION 'A'
OUTSIDE OF DESK

ELEVATION 'B'
SIDE OF DESK



ELEVATION 'C'
INSIDE OF DESK



YLC-INFO 100A

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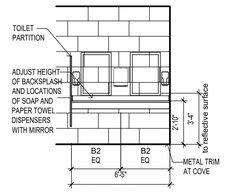
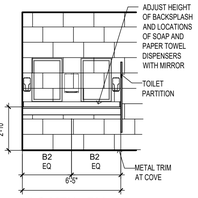
STORAGE CABINET



YLC-WOMEN - RM 104

SCALE: 1/4" = 1'=0" ELEVATION 'A'
RM 204 - SIMILAR



YLC-MEN - RM 105

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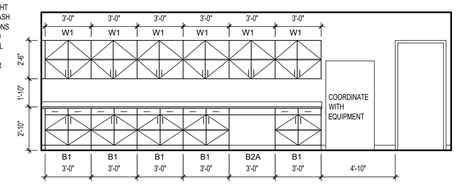
RM 205 - SIMILAR



YLC-BREAK - RM 213

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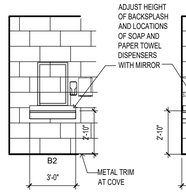

YLC-MEN - RM 215

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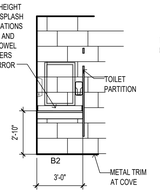
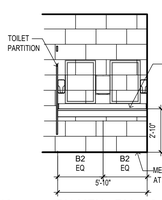


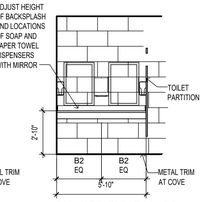
YLC-WOMEN - RM 216

SCALE: 1/4" = 1'=0" ELEVATION 'D'



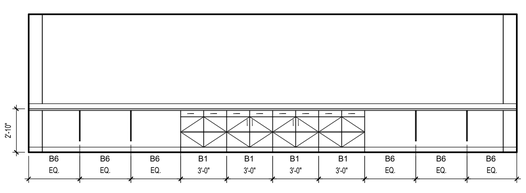
BH-MEN - RM 102

SCALE: 1/4" = 1'=0" ELEVATION 'A'



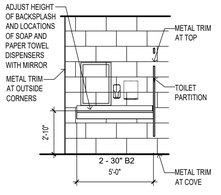
BH-WOMEN - RM 103

SCALE: 1/4" = 1'=0" ELEVATION 'C'



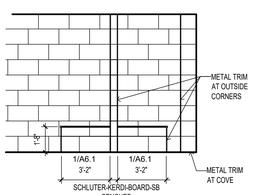
BH-MULTI-PURPOSE - RM 105

SCALE: 1/4" = 1'=0" ELEVATION 'C'

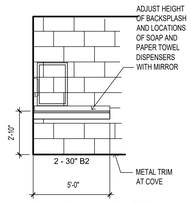


BH-MEN - RM 203

SCALE: 1/4" = 1'=0" ELEVATION 'D'
ADD ALTERNATE

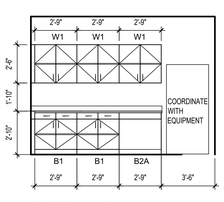


ELEVATION 'D'
ADD ALTERNATE



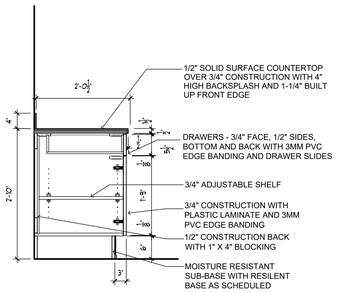
BH-WOMEN - RM 204

SCALE: 1/4" = 1'=0" ELEVATION 'C'
ADD ALTERNATE



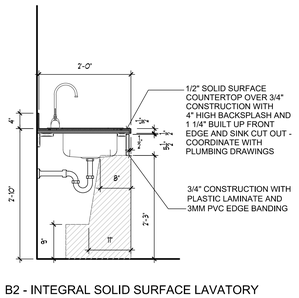
BH-BREAK - RM 212

SCALE: 1/4" = 1'=0" ELEVATION 'B'
ADD ALTERNATE



B1 BASE CABINET SECTION

A6.1 SCALE: 3/4"=1'-0"



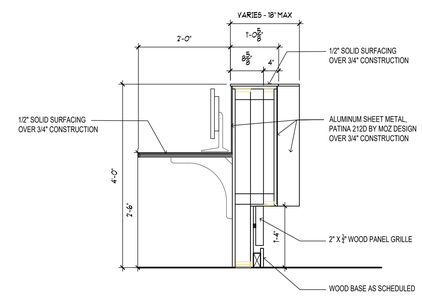
B2 - INTEGRAL SOLID SURFACE LAVATORY
B2A - STAINLESS STEEL DROP IN SINK

B2 BASE CABINET SECTION

A6.1 SCALE: 3/4"=1'-0"

B2A BASE CABINET SECTION

A6.1 SCALE: 3/4"=1'-0"



B3 BASE CABINET SECTION

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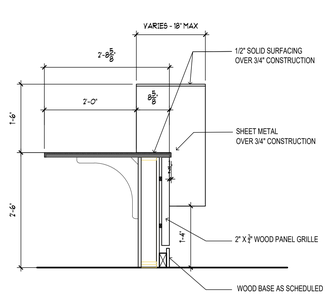

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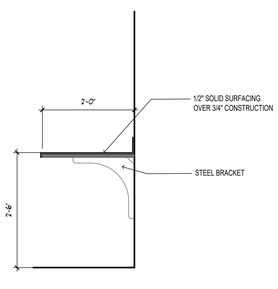

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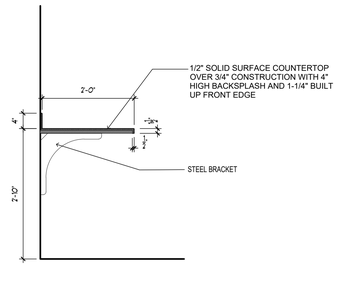

B6 BASE CABINET SECTION

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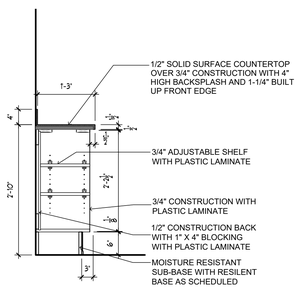

B7 BASE CABINET SECTION

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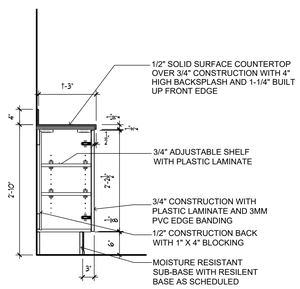
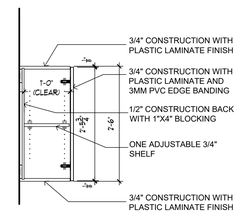


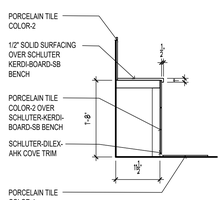
B8 BASE CABINET SECTION

A6.1 SCALE: 3/4"=1'-0"



W1 WALL CABINET SECTION

A6.1 SCALE: 3/4"=1'-0"



1 BENCH DETAIL

A6.1 SCALE: 3/4"=1'-0"

MILLWORK NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO MILLWORK & CASEWORK FABRICATION, ETC.
2. SHOP DRAWINGS SHALL INCLUDE FULLY DIMENSIONED AND DETAILED ELEVATIONS & SECTIONS FOR ARCHITECT/OWNER'S REVIEW.
3. CONTRACTOR TO COORDINATE LOCATIONS OF GROMMETS WITH OWNER IN THE FIELD.
4. PROVIDE PLASTIC LAMINATE ON ALL EXPOSED AND SEMI-EXPOSED SURFACES.
5. ALL WOOD BLOCKING METHODS SHALL BE APPROVED BY MANUFACTURER OR ALL WALL SUPPORTED SYSTEMS.
6. "B1" - INDICATES SECTION NUMBER - SEE DETAILS
7. REFER TO INTERIOR ELEVATION KEY FOR DESIGNATIONS.

INTERIOR ELEVATION KEY PLAN

8. CONTRACTOR TO COORDINATE ALL APPLIANCE AND EQUIPMENT SIZES WITH OWNER PRIOR TO FABRICATION OF MILLWORK & CASEWORK.
9. ALL LOCKS SHALL BE KEYED PER THE OWNERS INSTRUCTIONS.
10. BACKSPLASHES AND WALL CONNECTION EDGES SHALL BE CAULKED.
11. ALL COUNTERTOPS, BACKSPLASH & ENDSPLASH SHALL BE 1/2" SOLID SURFACING, UNLESS NOTED OTHERWISE.

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS

Clemons, Rutherford & Associates Inc.

Architects
Planners
Interior Designers
Construction Managers

2027 Thomasville Road
Tallahassee, Florida 32308

(850) 385-6153
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cra@clemons-rutherford.com

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Gregory Westmoreland Kelley
AR0016706

SUBMITTAL

PHASE	DATE	DRAWN	CHECK
50% CD	04-15-25	LM	TB / SD
100% CD	7-18-25	LM	TB
-			
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REVISIONS

#	DATE	COMMENTS
1		
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CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
MILLWORK

A6.1 of .

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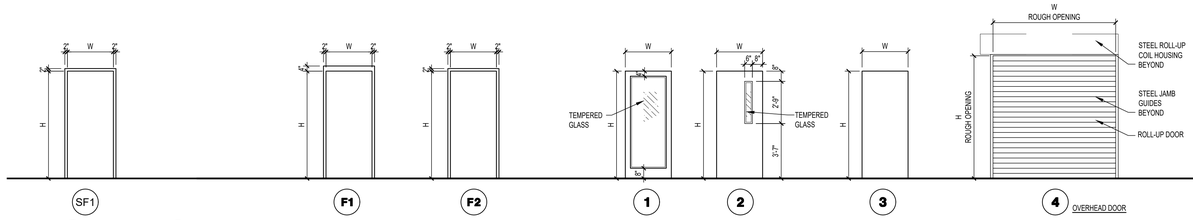


STOREFRONT / CW DOOR FRAME ELEV.

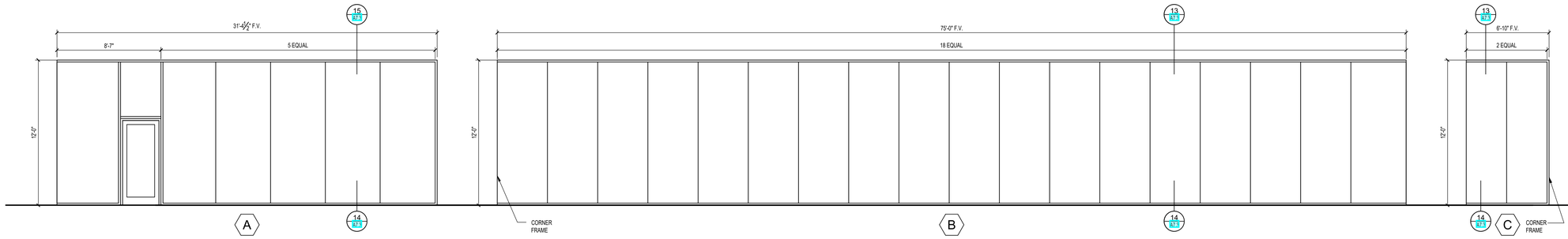
SCALE: 1/4"=1'-0"

HOLLOW METAL DOOR FRAME ELEVATIONS

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

DOOR ELEVATIONS

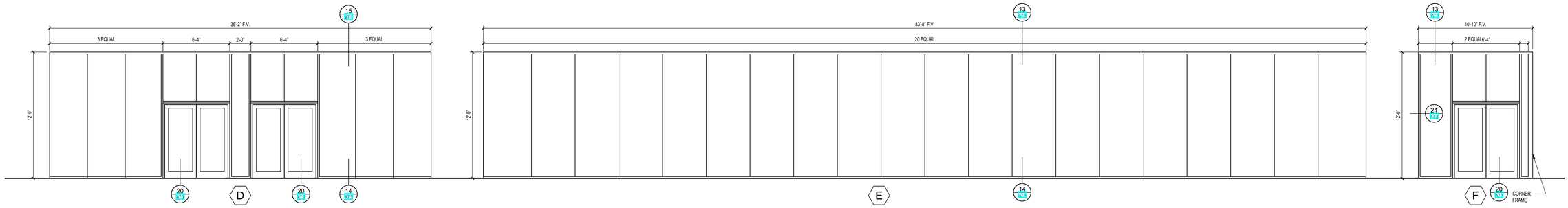
SCALE: 1/4"=1'-0"



YOUTH LEARNING CENTER

EXTERIOR CURTAINWALL WINDOW / DOOR FRAME ELEVATIONS

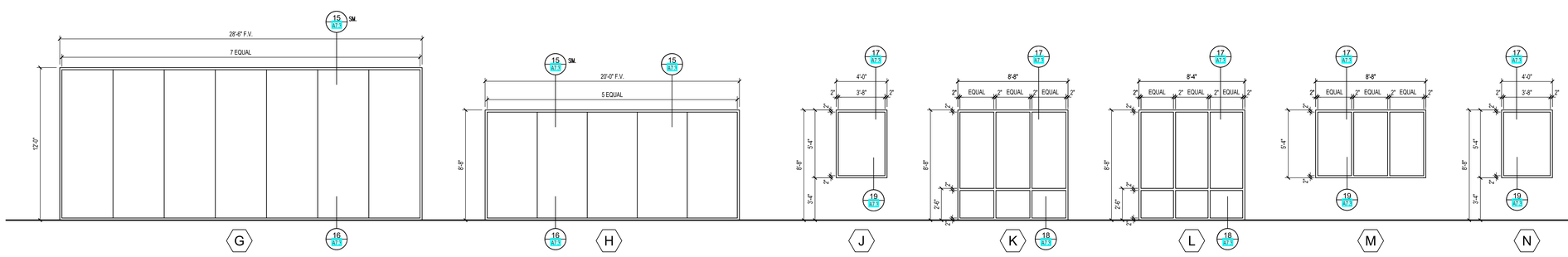
SCALE: 1/4"=1'-0"



YOUTH LEARNING CENTER

EXTERIOR CURTAINWALL WINDOW / DOOR FRAME ELEVATIONS

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



YOUTH LEARNING CENTER

EXTERIOR CURTAINWALL WINDOW / DOOR FRAME ELEVATIONS

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

EXTERIOR STOREFRONT WINDOW FRAME ELEVATIONS

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

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS

Clemons, Rutherford & Associates Inc.

Architects
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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
DD	2-26-25	R. SHAH	S. DIVSALAR
50% CD	4-15-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

#	DATE	COMMENTS
1	8-25-25	RFI #23
2		
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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER & BLACKBURN-HUNT DOOR & WINDOW ELEVATIONS & DETAILS

A7.1 of .

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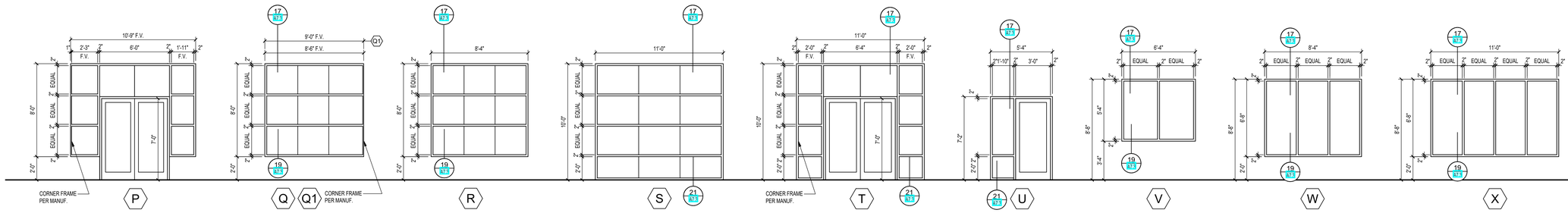
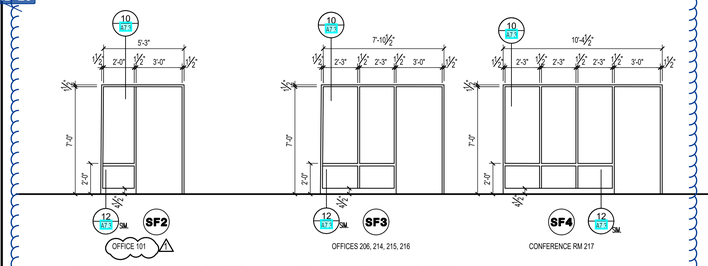


BLACKBURN-HUNT BLDG.

EXTERIOR STOREFRONT WINDOW / DOOR FRAME ELEVATIONS

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



YOUTH LEARNING CENTER BLACKBURN-HUNT BLDG

INTERIOR SF WINDOW ELEVATIONS

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

RFI PRE-BID-23

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
Clemons, Rutherford & Associates Inc.
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Interior Designers
Construction Managers
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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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1	8-25-25	RFI #23
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PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER & BLACKBURN-HUNT DOOR & WINDOW ELEVATIONS & DETAILS

A7.2 of .

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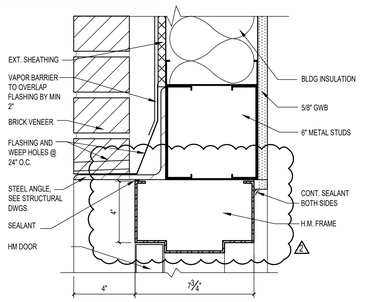

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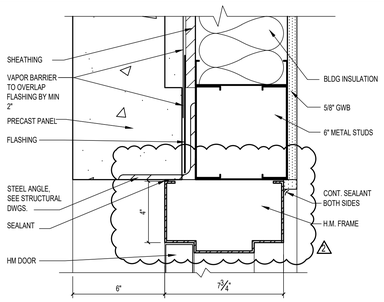

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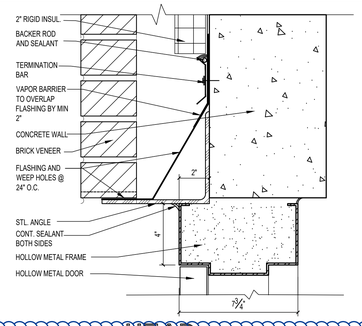

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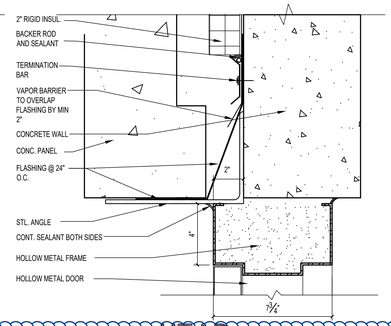

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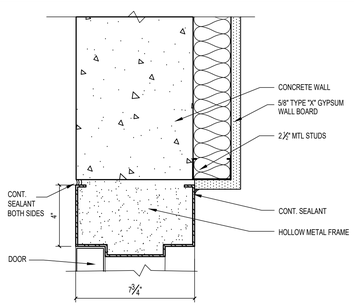

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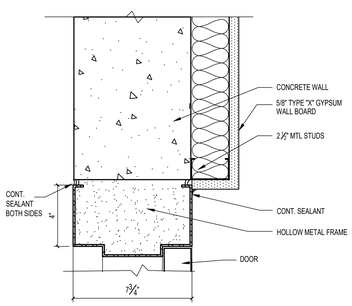

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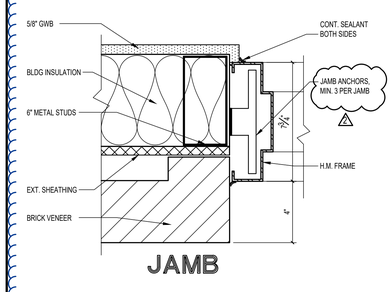
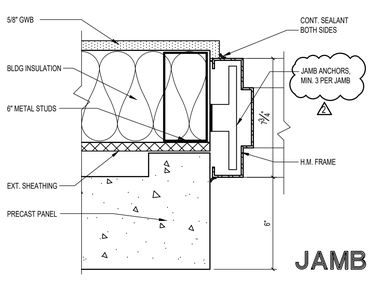


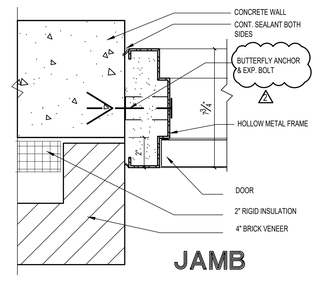
JAMB

1 DOOR HEAD/ JAMB DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"



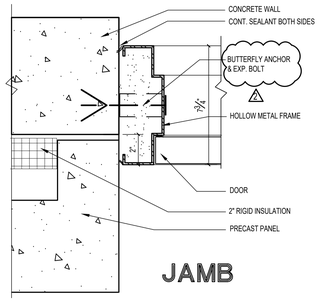
JAMB

2 DOOR HEAD/ JAMB DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"



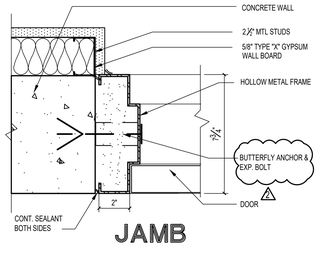
JAMB

3 DOOR HEAD/ JAMB DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"



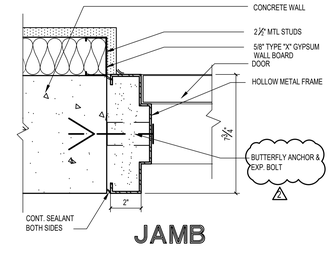
JAMB

4 DOOR HEAD/ JAMB DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"



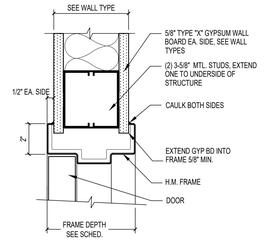
JAMB

5 DOOR HEAD/ JAMB DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"



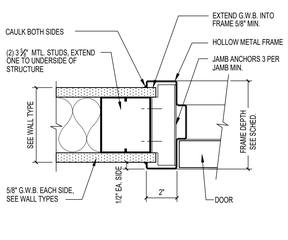
JAMB

6 DOOR HEAD/ JAMB DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"



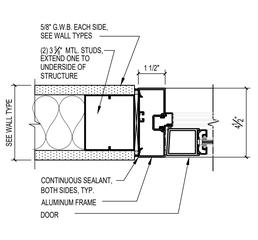
NOTE: DOOR FRAME THROAT DIMENSION SHALL BE COORDINATED WITH OVERALL GWB AND METAL STUD THICKNESS.

7 DOOR HEAD/ JAMB DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"

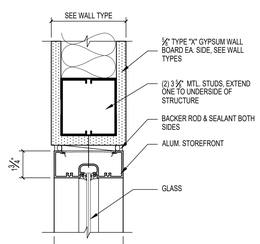


NOTE: DOOR FRAME THROAT DIMENSION SHALL BE COORDINATED WITH OVERALL GWB. AND METAL STUD THICKNESS.

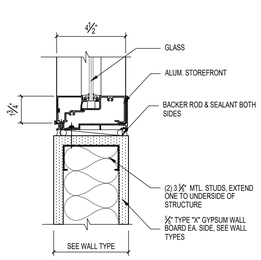
8 DOOR HEAD/ JAMB DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"



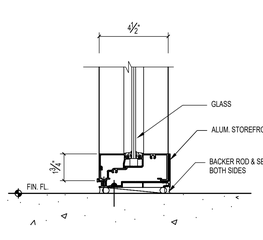
9 INTERIOR STOREFRONT DOOR HEAD/ JAMB DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"



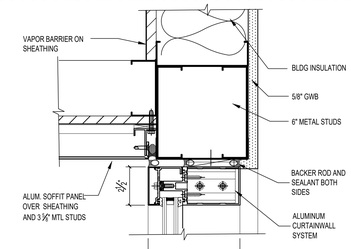
10 INTERIOR STOREFRONT WINDOW HEAD & JAMB
A7.3 A7.3 SCALE: 3" = 1'-0"



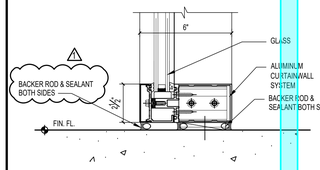
11 INTERIOR STOREFRONT WINDOW SILL
A7.3 A7.3 SCALE: 3" = 1'-0"



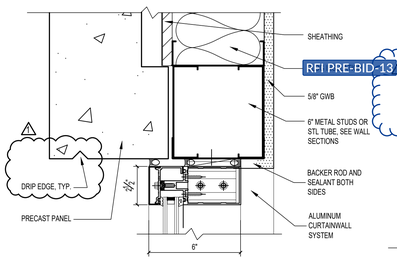
12 INTERIOR STOREFRONT WINDOW SILL
A7.3 A7.3 SCALE: 3" = 1'-0"



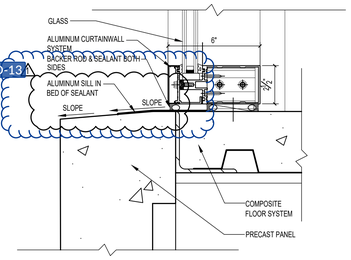
13 CURTAINWALL WINDOW HEAD
A7.3 A7.3 SCALE: 3" = 1'-0"



14 CURTAINWALL WINDOW SILL
A7.3 A7.3 SCALE: 3" = 1'-0"



15 CURTAINWALL WINDOW HEAD
A7.3 A7.3 SCALE: 3" = 1'-0"



16 CURTAINWALL WINDOW SILL
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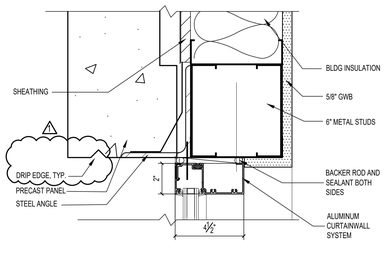
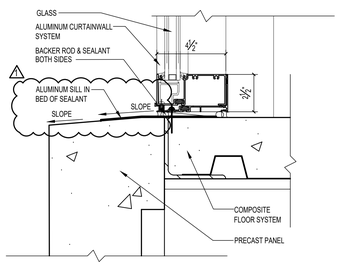
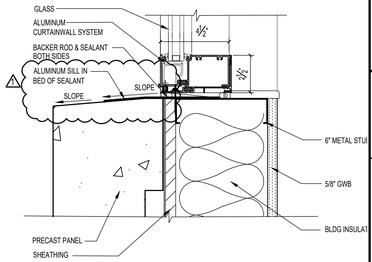


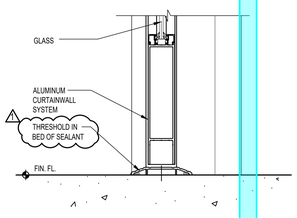
17 STOREFRONT WINDOW HEAD
A7.3 A7.3 SCALE: 3" = 1'-0"



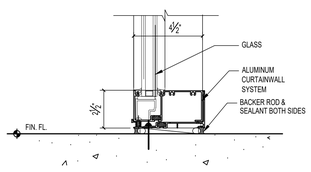
18 STOREFRONT WINDOW SILL
A7.3 A7.3 SCALE: 3" = 1'-0"



19 STOREFRONT WINDOW SILL
A7.3 A7.3 SCALE: 3" = 1'-0"



20 CURTAINWALL BOTTOM RAIL DETAIL
A7.3 A7.3 SCALE: 3" = 1'-0"



21 STOREFRONT WINDOW SILL
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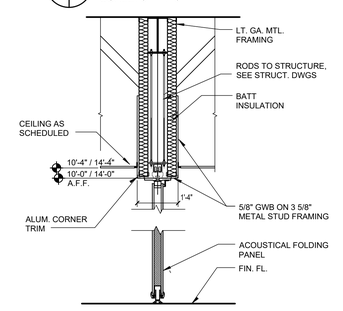
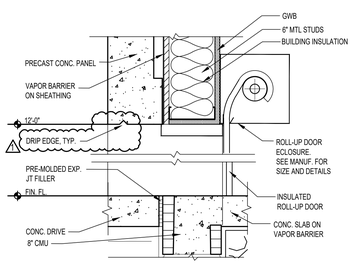
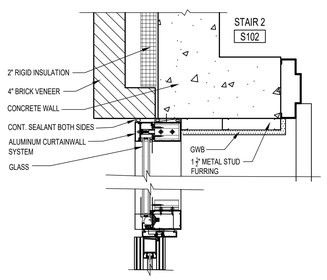


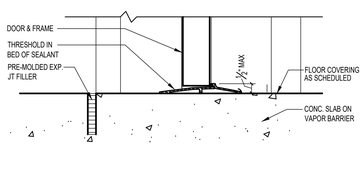
22 FOLDING PARTITION DETAIL
A7.2 A7.2 SCALE: 1/2"=1'-0"



23 ROLL-UP DOOR DETAIL
A7.3 A7.3 SCALE: 1-1/2"=1'-0"



24 YLC CURTAINWALL PLAN DETAIL
A7.3 A7.3 SCALE: 1-1/2" = 1'-0"



25 THRESHOLD DETAIL
A7.3 A7.3 SCALE: 3"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS
Clemons, Rutherford & Associates Inc.
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Construction Managers
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Tallahassee, Florida 32308
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cra@clemons-rutherford.com

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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
DD	2-28-25	R. SHAH	S. DIVSALAR
50% CD	4-15-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
-			
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REVISIONS

#	DATE	COMMENTS
1	8-7-25	RFI # 12
2	8-7-25	RFI # 13
3		
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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER & BLACKBURN-HUNT DOOR & WINDOW ELEVATIONS & DETAILS

A7.3 of .

G:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@@Post Submittal\24029 A7.3-A7.5 DR MIN - RFI 12 & 13.dwg, 8/7/2025 12:40:49 PM, DWG To PDF.pc3

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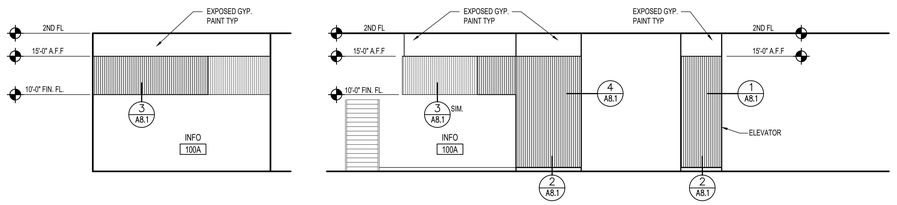
NORTH

FIRST FLOOR PLAN

SCALE: 1/8" = 1'-0" 10,833 GSF

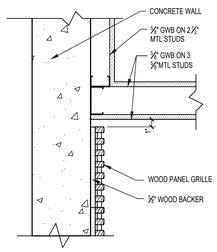
YOUTH LEARNING CENTER



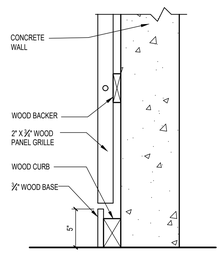
A ELEVATION A8.1 SCALE: 1/8"=1'-0"

B ELEVATION A8.1 SCALE: 1/8"=1'-0"

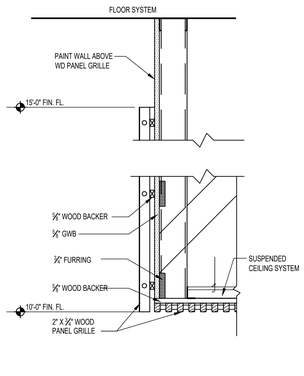
C ELEVATION A8.1 SCALE: 1/8"=1'-0"



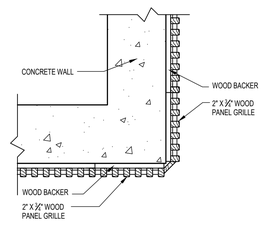
1 WALL PLAN DETAIL A8.1 SCALE:1 1/2"=1'-0"



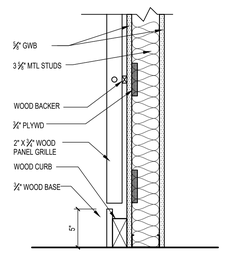
2 WALL BASE DETAIL A8.1 SCALE:1 1/2"=1'-0"



3 SOFFIT / WALL DETAIL A8.1 SCALE:1 1/2"=1'-0"



4 WALL PLAN DETAL A8.1 SCALE:1 1/2"=1'-0"



5 WALL BASE DETAIL A8.1 SCALE:1 1/2"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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50% CD	4-15-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

#	DATE	COMMENTS
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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER
FIRST FLOOR - RCP

A8.1 of .

G:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@@Post Submittal\24029 A8.1 A82 YLC 1ST & 2ND FL RCP.dwg, 7/21/2025 2:53:18 PM, rshah

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SECOND FLOOR PLAN

NORTH

SCALE: 1/8" = 1'-0" 12,248 GSF

YOUTH LEARNING CENTER

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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50% CD	4-15-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

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CRA PROJ#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER
SECOND FLOOR - RCP

A8.2 of .

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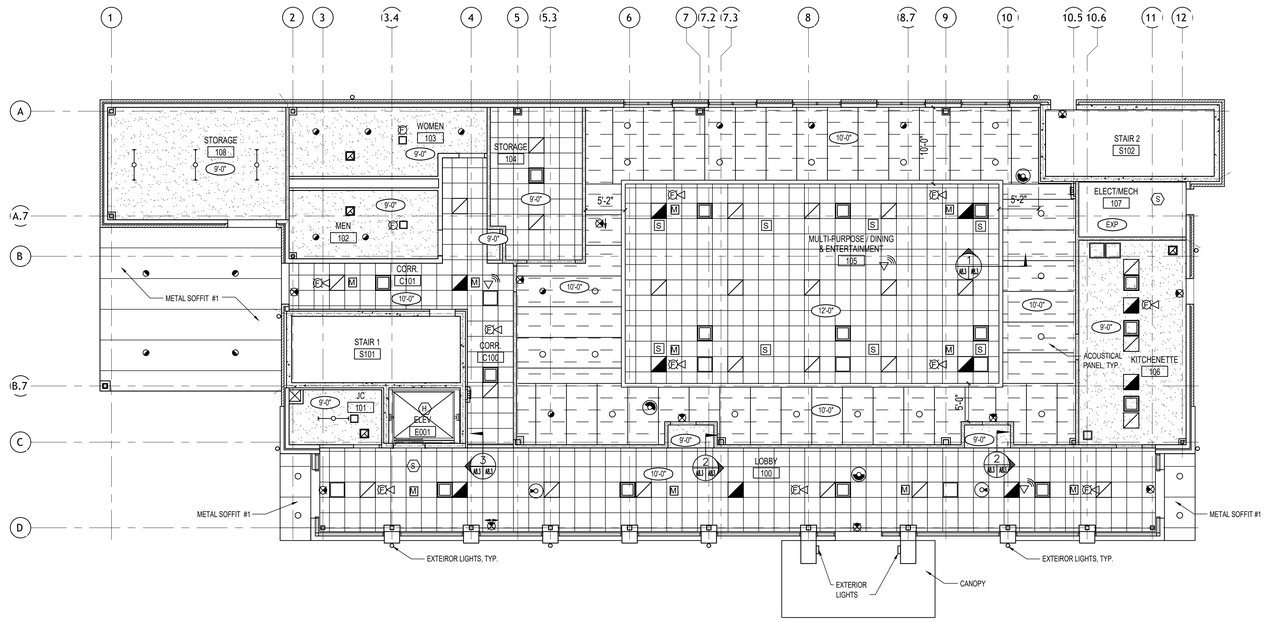


FIRST FLOOR - RCP

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

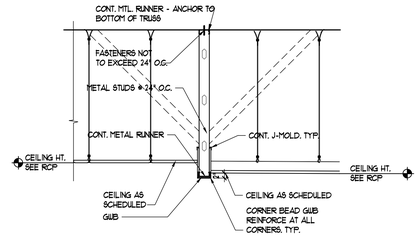
BLACKBURN-HUNT BLDG.

SECOND FLOOR - RCP

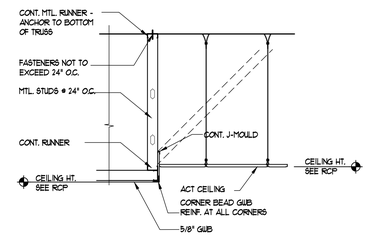
SCALE: 1/8"=1'-0"

BLACKBURN-HUNT BLDG.

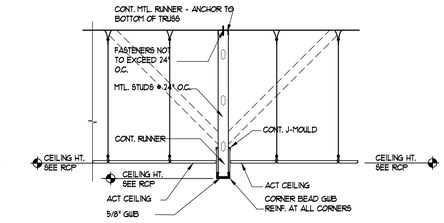
ADD ALT #1 - ALL
INTERIOR BUILD OUT



1 BULKHEAD DETAIL, TYP.
A8.3 SCALE: 1/2"=1'-0"



2 BULKHEAD DETAIL, TYP.
A8.3 SCALE: 1/2"=1'-0"



3 BULKHEAD DETAIL, TYP.
A8.3 SCALE: 1/2"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

#	DATE	COMMENTS
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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
BLACKBURN-HUNT
1ST AND 2ND FLOOR - RCP

A8.3 of .

C:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@Post Submittal\24029 A8.3 BH RCP 1ST & 2ND FL.dwg, 7/21/2025 12:53:06 PM, rshah

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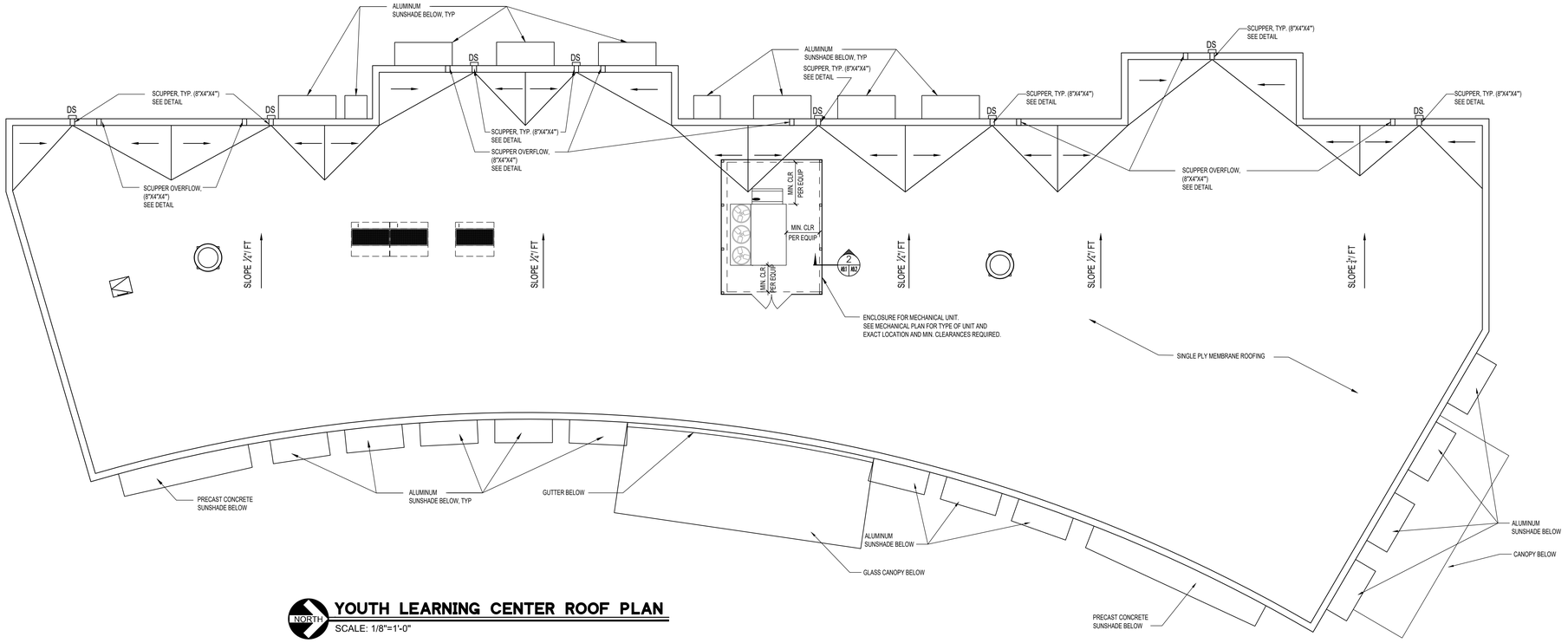
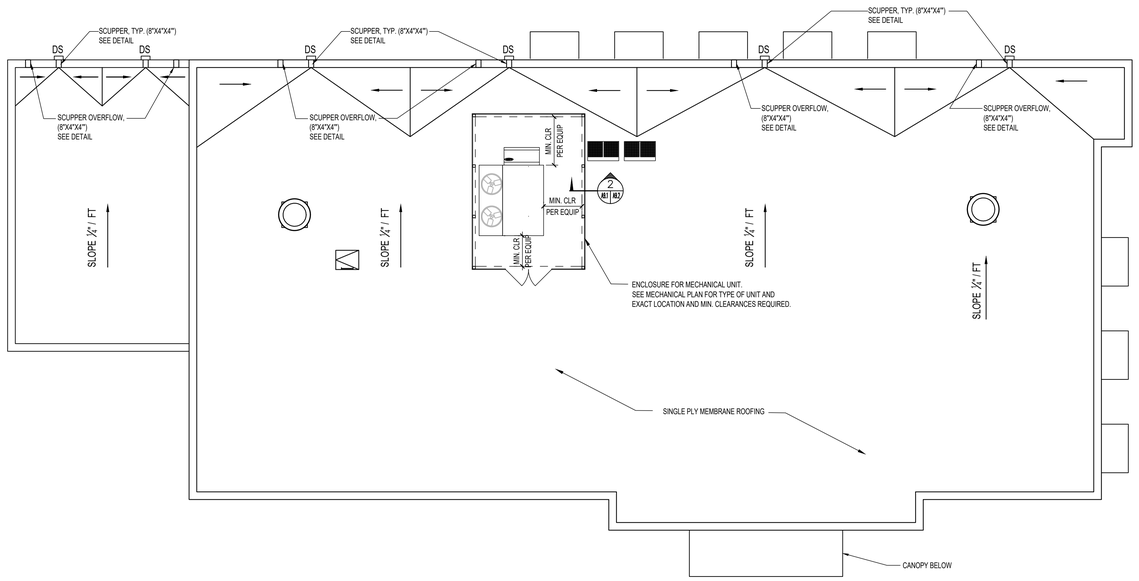


NORTH

YOUTH LEARNING CENTER ROOF PLAN

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



NORTH

BLACKBURN-HUNT ROOF PLAN

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

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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Gregory Westmoreland Kelley
AR0016706

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DD	2-28-25	R. SHAH	S. DIVSALAR
50% CD	4-15-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

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CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER & BLACKBURN-HUNT ROOF PLANS

A9.1 of .

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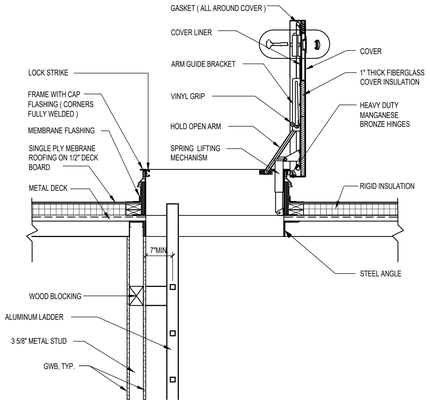
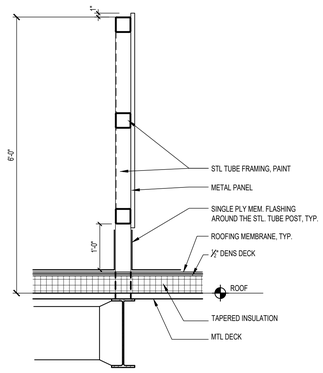
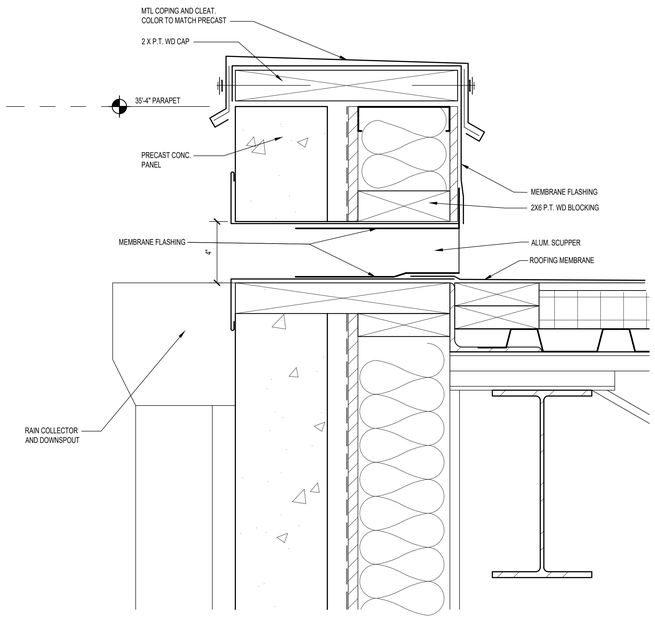


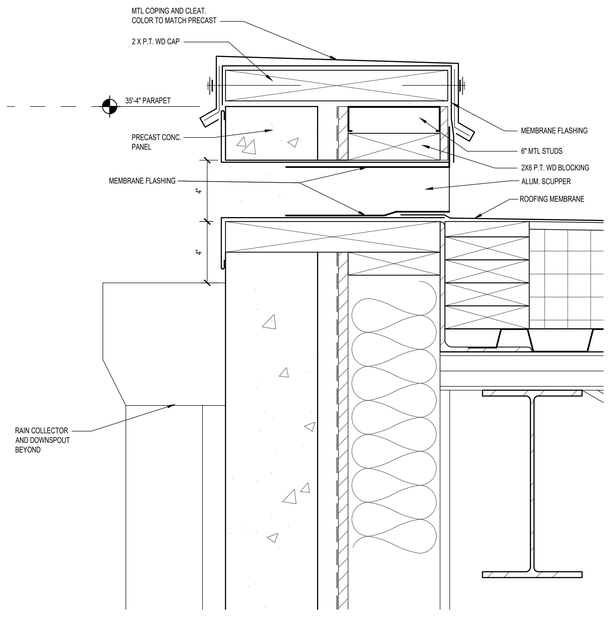
1 A9.1 A9.2 ROOF HATCH DETAIL
SCALE: 3/4"=1'-0"



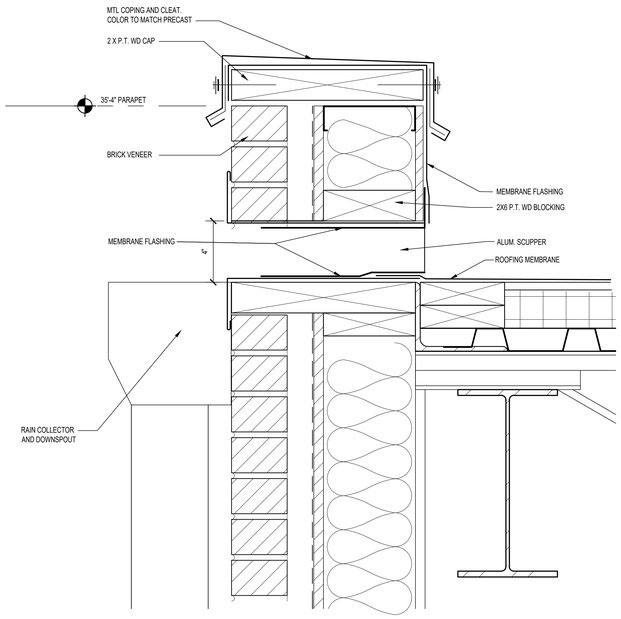
2 A9.1 A9.2 ROOF TOP EQUIPMENT SCREEN WALL DETAIL
SCALE: 3/4"=1'-0"



3 A9.1 A9.2 SCUPPER DETAIL
SCALE: 3"=1'-0"



4 A9.1 A9.2 OVERFLOW SCUPPER DETAIL
SCALE: 3"=1'-0"



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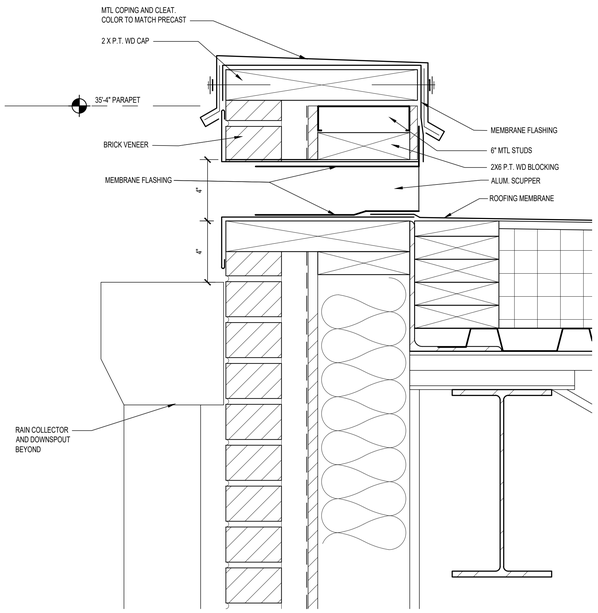
SCALE: 3"=1'-0"



6 A9.1 A9.2 OVERFLOW SCUPPER DETAIL
SCALE: 3"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS
Clemons, Rutherford & Associates Inc.
Architects
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Gregory Westmoreland Kelley
AR0016706

SUBMITTAL

PHASE	DATE	DRAWN	CHECK
SD	1-17-25	R. SHAH	S. DIVSALAR
DD	2-28-25	R. SHAH	S. DIVSALAR
50% CD	4-15-25	R. SHAH	S. DIVSALAR
100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

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CRA PROJ.#: 24029
PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
YOUTH LEARNING CENTER & BLACKBURN-HUNT ROOF DETAILS

A9.2 of .

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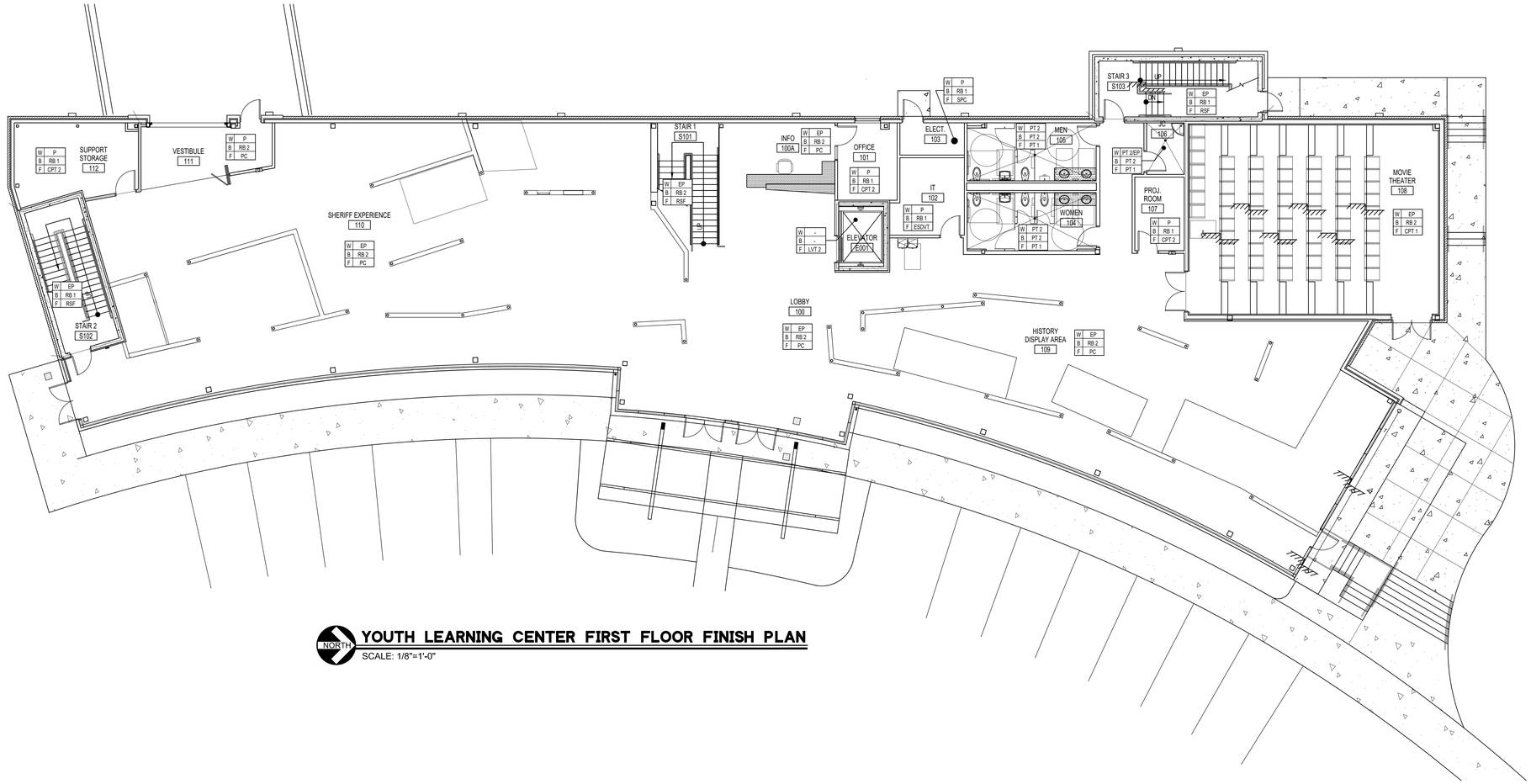

YOUTH LEARNING CENTER FIRST FLOOR FINISH PLAN

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

GENERAL FINISH NOTES

1. ALL INTERIOR WALL AND CEILING FINISHES ARE CLASS A.
2. ALL INTERIOR FLOOR FINISHES ARE CLASS I.
3. SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISHES.
4. PROVIDE A 72" HIGH WAINSCOT OF PORCELAIN TILE ON ALL WALLS OF JANITOR CLOSETS.
5. PROVIDE FULL HEIGHT PORCELAIN TILE ON ALL WALLS OF RESTROOMS. SEE WALL TILE PATTERN ON SHEET A6.1.
6. SEE DETAIL 1/A6.1 FOR TILED BENCHES.

COLOR LEGEND

CARPET - CPT
MANUFACTURER: TARKETT
STYLE: TENERA
COLOR -1: TO BE SELECTED
INSTALLATION: ASHLAR
STYLE: ESPARTO
COLOR - 2: TO BE SELECTED
SIZE: 24" X 24"

ENTRY CARPET - ECPT
MANUFACTURER: TARKETT
PATTERN: ASSERTIVE STRIA
COLOR: TO BE SELECTED
SIZE: 18" X 36"
INSTALLATION PATTERN: VERTICAL ASHLAR

ESD VINYL TILE - ESDVT
MANUFACTURER: FLEXCO
COLOR: DELANE - TO BE SELECTED

LUXURY VINYL TILE - LVT
MANUFACTURER: TARKETT
COLLECTION: ID LATITUDE
COLOR-1: WOOD - TO BE SELECTED
COLOR-2: STONE - TO BE SELECTED

METAL TRIM FOR TILE
MANUFACTURER: SCHLUTER
COLOR: ANODIZED ALUMINUM

PAINT - P
MANUFACTURER: SHERWIN WILLIAMS
COLOR-1: TO BE SELECTED (WALLS)
COLOR-2: TO BE SELECTED (HOLLOW METAL WINDOW & DOOR FRAMES)
COLOR-3: EXTRA WHITE, SW (GWB CEILINGS)
COLOR-4: TO BE SELECTED (ACCENT)
COLOR-5: TO BE SELECTED (ACCENT)
NOTE: IF EP IS SCHEDULED, USE EPOXY PAINT

PLASTIC LAMINATE
MANUFACTURER: TO BE SELECTED
COLOR-1: (COUNTERTOPS)

PORCELAIN TILE - PT
MANUFACTURER: TRINITY TILE
STYLE: DRIFT
COLOR-1: TO BE SELECTED (FLOORS)
GROUT:
COLOR-2: TO BE SELECTED (WALLS)
GROUT:

RESILIENT BASE - RB
MANUFACTURER: TARKETT
STYLE-1: DURACOVE
COLOR: TO BE SELECTED
STYLE-2: MILLWORK REVEAL (6")
COLOR: TO BE SELECTED

RESILIENT REDUCER STRIP
MANUFACTURER: TARKETT
COLOR: TO BE SELECTED

RESILIENT STAIR FLOORING - RSF
MANUFACTURER: TARKETT
COLOR: TO BE SELECTED
INSERT COLOR: TO BE SELECTED

RESILIENT TRANSITION STRIP
MANUFACTURER: TARKETT - METAL EDGE
COLOR: TO BE SELECTED

SOLID SURFACING
MANUFACTURER: TO BE SELECTED
MFR:

SPECIALTY COATINGS FOR CONCRETE - SPC
MANUFACTURER: SHERWIN WILLIAMS
COLOR: TO BE SELECTED

TOILET PARTITIONS
MANUFACTURER: SCRANTON
COLOR: TO BE SELECTED

WOOD DOORS
MANUFACTURER:
SPECIES: ROTARY NATURAL BIRCH
FINISH: TO BE SELECTED

FINISH LEGEND

W P — WALL FINISH
B RB — BASE
F LVT — FLOORING
1 — FINISH NOTES NUMBER
P-4 — ACCENT PAINT

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
Clemons, Rutherford & Associates Inc.
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SUBMITTAL

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REVISIONS

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CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER
FIRST FLOOR FINISH PLAN

A10.1 of .

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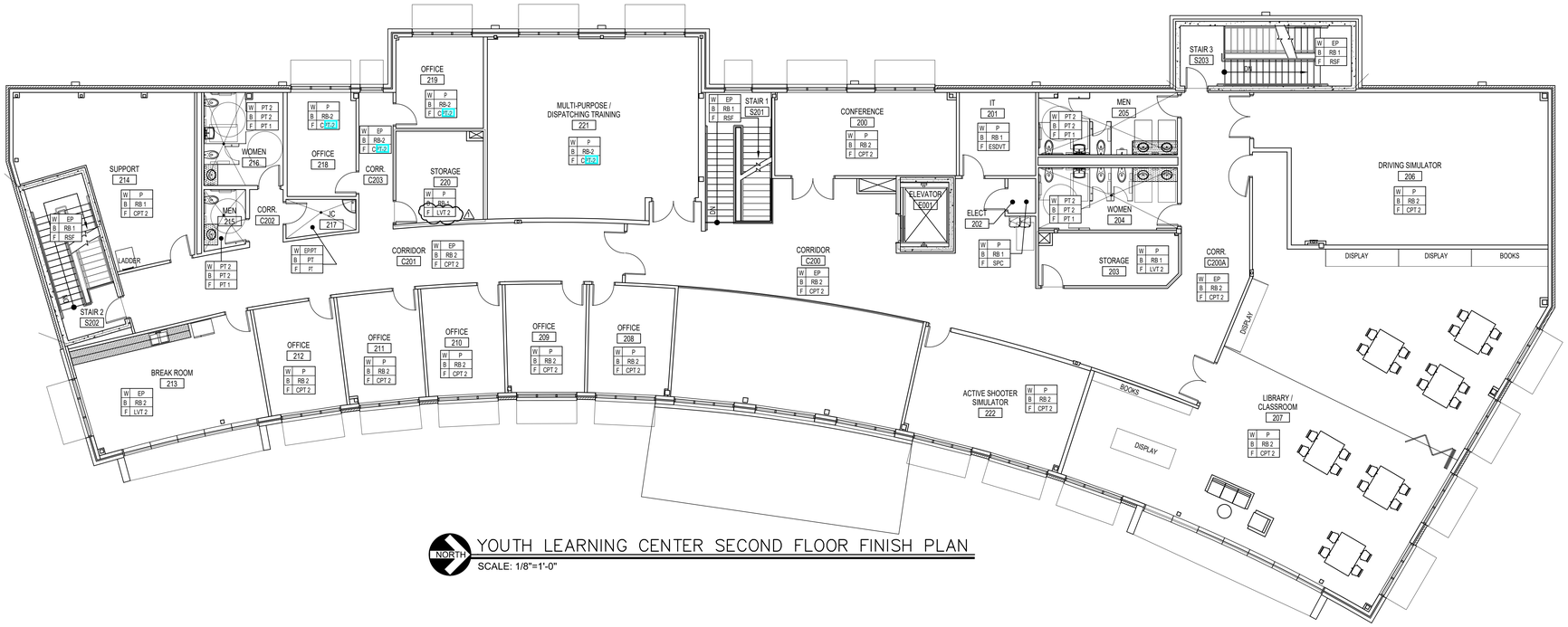

NORTH

YOUTH LEARNING CENTER SECOND FLOOR FINISH PLAN

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

FINISH LEGEND

W P ← WALL FINISH
B RB ← BASE
F LVT ← FLOORING

1 — FINISH NOTES NUMBER

P-4 — ACCENT PAINT

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS

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CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER SECOND FLOOR FINISH PLAN

A10.2 of .

© PRODUCTION DATA AND DRAWINGS - PSA - PALM OFFICE BUILDING - MASTER DRAWINGS DATA DRAWINGS\REVIT\24029_A101 A102 XXX FINISH PLANS.RVT 8/27/2025 11:02 AM LORA BRANCA

GENERAL FINISH NOTES

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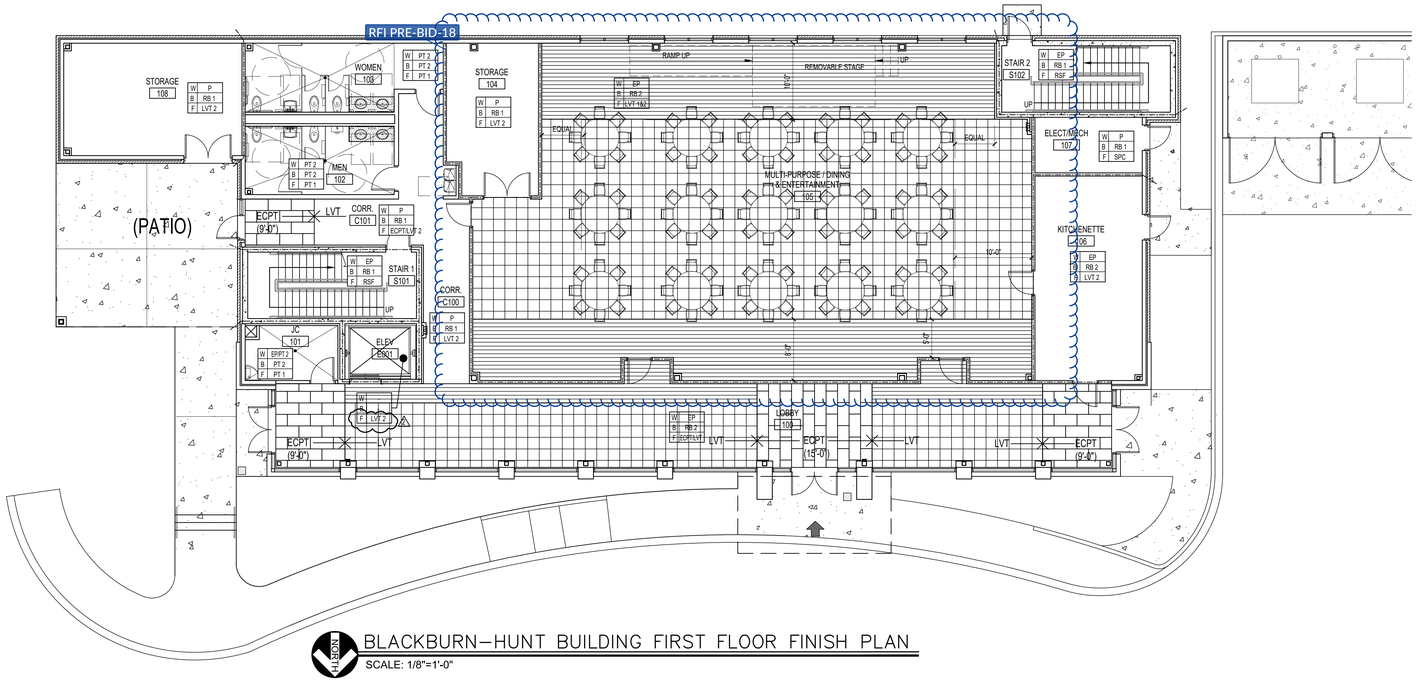
4. PROVIDE A 72" HIGH RAINSCOT OF PORCELAIN TILE ON ALL WALLS OF JANITOR CLOSETS.
5. PROVIDE FULL HEIGHT PORCELAIN TILE ON ALL WALLS OF RESTROOMS. SEE WALL TILE PATTERN ON SHEET A4.1.
6. SEE DETAIL 1/A10.3 FOR ADDITIONAL NOTES.
7. PROVIDE 2'-0" PORCELAIN TILE ON FLOOR OF SHOWERS.

FLOOR PATTERN LEGEND

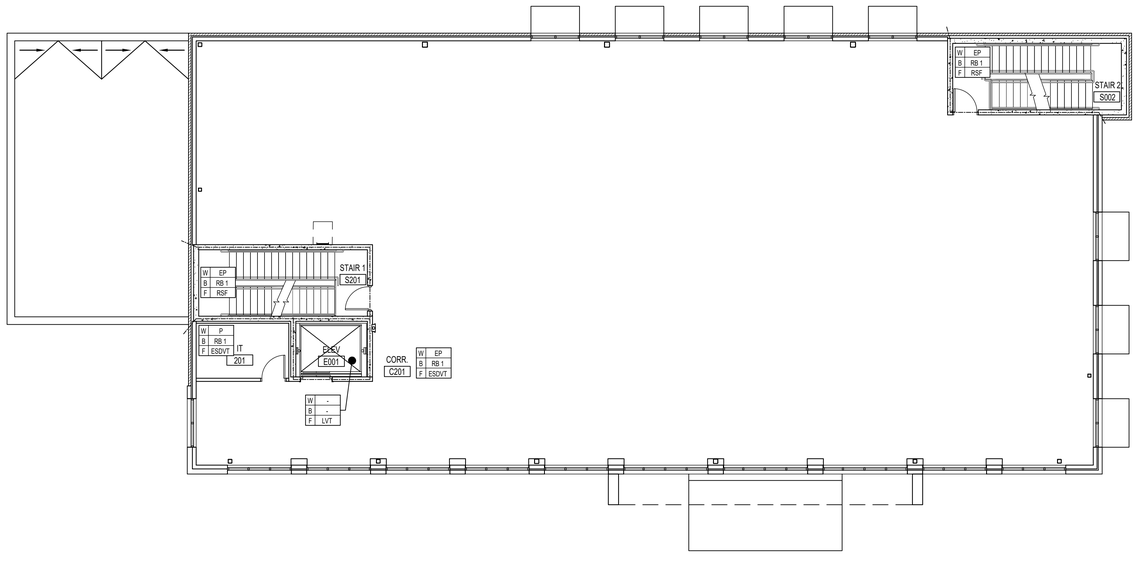
LVT 1 - WOOD PATTERN

LVT 2 - 18" X 18" PATTERN



BLACKBURN–HUNT BUILDING FIRST FLOOR FINISH PLAN

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



BLACKBURN–HUNT BUILDING SECOND FLOOR FINISH PLAN

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

FINISH LEGEND

- W / B / F — WALL FINISH / BASE / FLOORING
- 1 — FINISH NOTES NUMBER
- P-4 — ACCENT PAINT

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN–HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS

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REVISIONS

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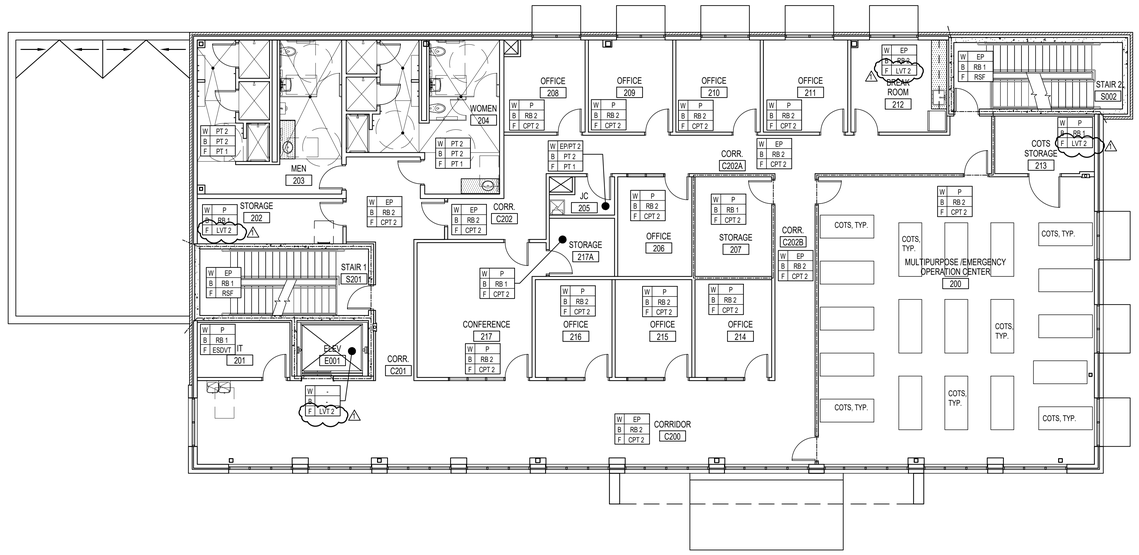
CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BLDG
1ST AND 2ND FLOOR FINISH PLANS

A10.3 of .

© PRODUCTION DATA ARCHIVE/24029 - FSA - MAIN OFFICE DRIVE/NO - MUSA/MY DRAWINGS/DOR_WINS/ARCHITECTURAL CD FOLDER/24029 A10.3 A10.4 REV FINISH PLAN.DWG, 8/27/2025 11:21 AM, LORA GERTRUCK



BLACKBURN–HUNT BUILDING SECOND FLOOR FINISH PLAN – ADD ALTERNATE

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

FINISH LEGEND

W P / B RB / F LVT ← WALL FINISH / BASE / FLOORING

1 ← FINISH NOTES NUMBER

P-4 ← ACCENT PAINT

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN–HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BLDG
2ND FLOOR FINISH PLAN – ADD ALTERNATE

A10.4 of .

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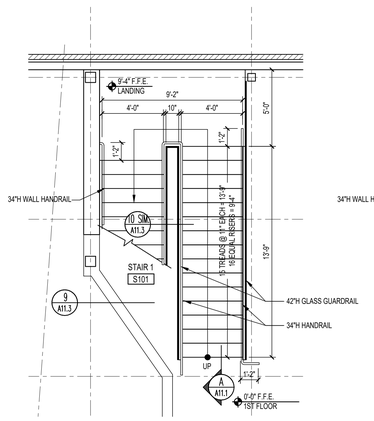

1 A1.1 A11.1 **STAIR 1 – 1ST FL YLC**
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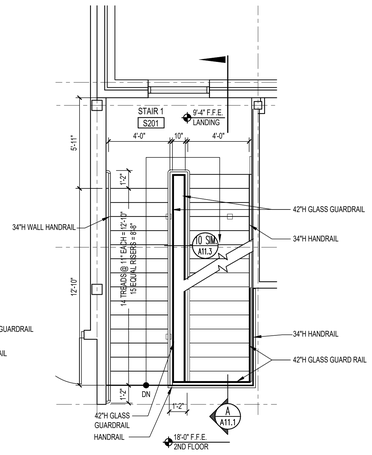

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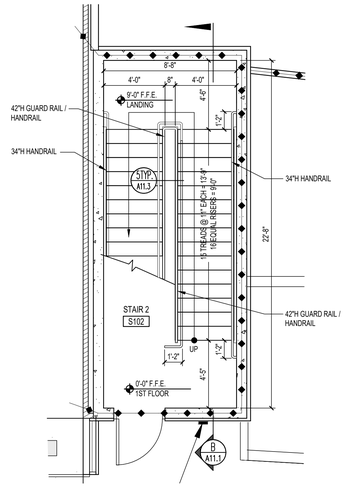

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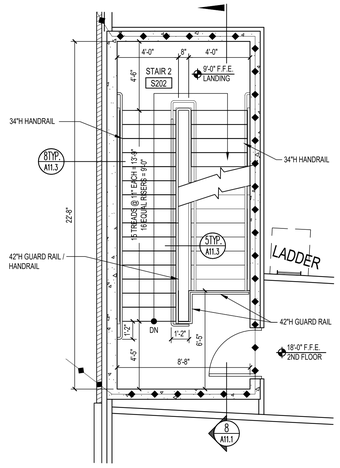

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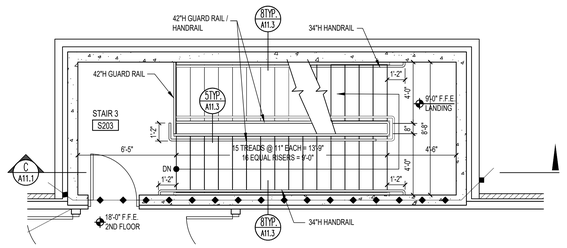

6 A1.2 A11.1 **STAIR 3 – 2ND FL YLC**
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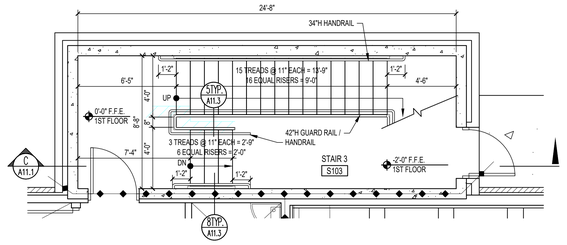

5 A1.1 A11.1 **STAIR 3 – 1ST FL YLC**
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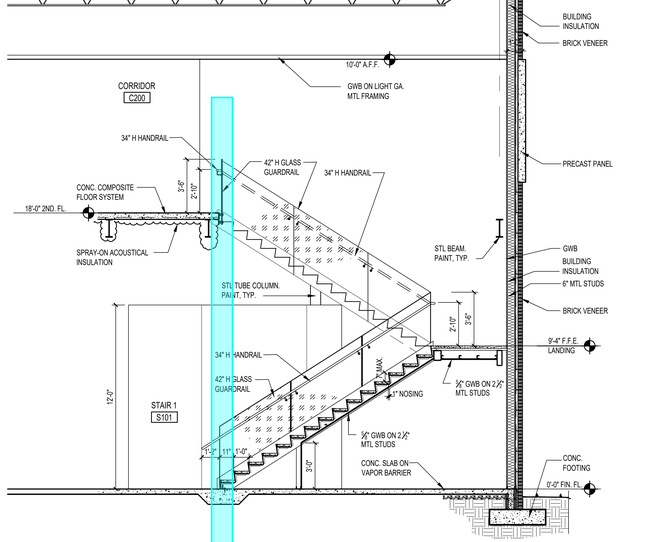

A A11.1 A11.1 **SECTION STAIR 1 – YOUTH LEARNING CENTER**
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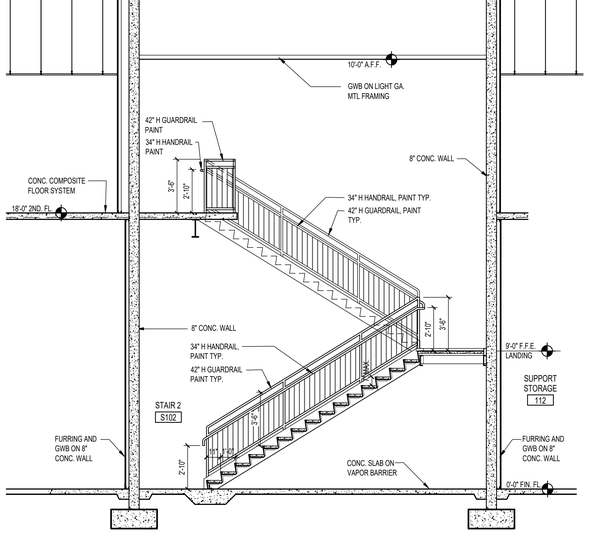
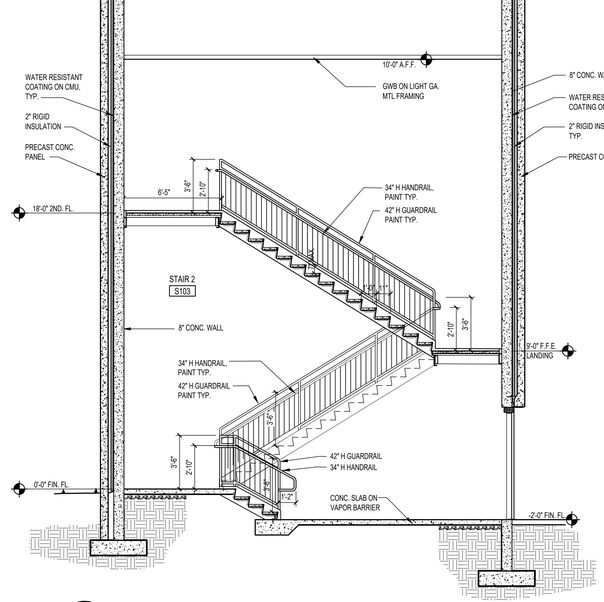


B A11.1 A11.1 **SECTION STAIR 2 – YOUTH LEARNING CENTER**
SCALE: 1/4"=1'-0"



C A11.1 A11.1 **SECTION STAIR 3 – YOUTH LEARNING CENTER**
SCALE: 1/4"=1'-0"

ALL EXPOSED STEEL BEAMS TO BE PAINTED

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
Clemons, Rutherford & Associates Inc.
Architects
Planners
Interior Designers
Construction Managers
2027 Thomasville Road
Tallahassee, Florida 32308
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cra@clemons-rutherford.com

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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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REVISIONS

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CRA PROJ.#: 24029
PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER –
STAIR PLANS AND SECTIONS

A11.1 of

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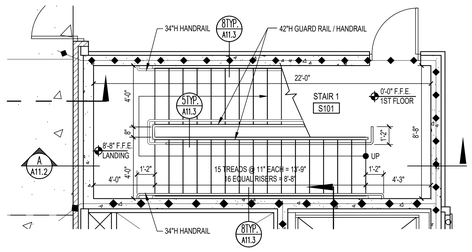

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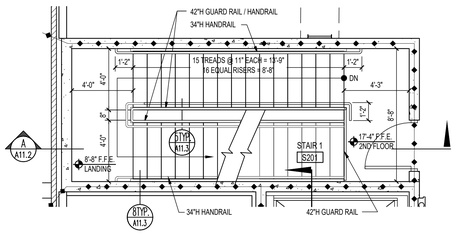
A1.3 A11.2 SCALE: 1/4"=1'-0"



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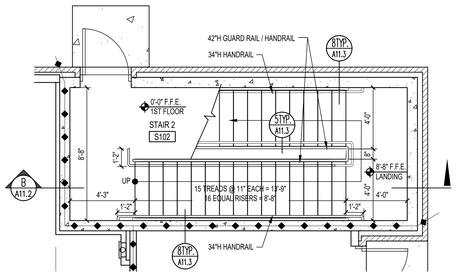
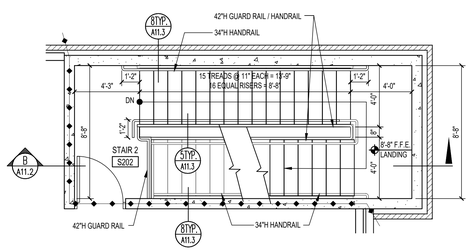
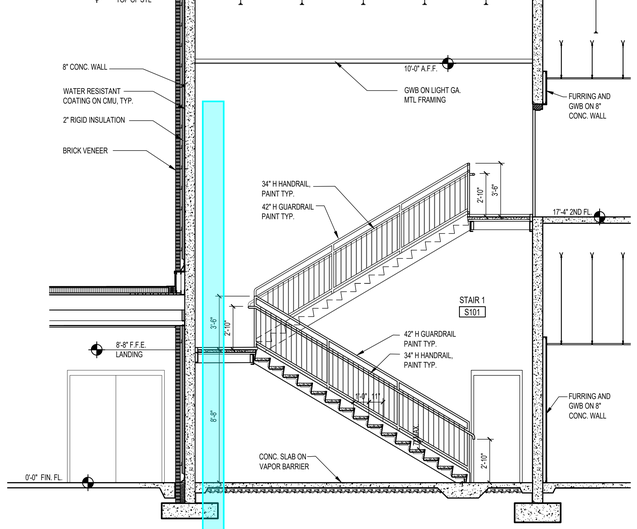


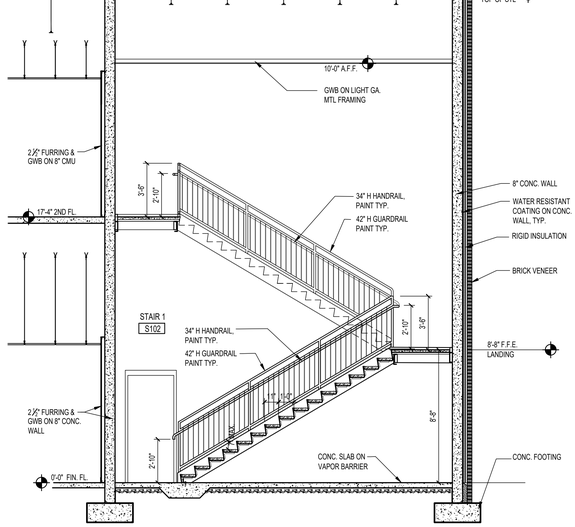
3 STAIR 2 – 1ST FL BH
A1.3 A11.2 SCALE: 1/4"=1'-0"



4 STAIR 2 – 2ND FL BH
A1.3 A11.2 SCALE: 1/4"=1'-0"



A SECTION STAIR 1 –BLACKBURN–HUNT BLDG
A11.2 A11.2 SCALE: 1/4"=1'-0"



B SECTION STAIR 2 –BLACKBURN–HUNT BLDG
A11.2 A11.2 SCALE: 1/4"=1'-0"

ALL EXPOSED STEEL BEAMS TO BE PAINTED

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
100% CD	7-18-25	R. SHAH	S. DIVSALAR

REVISIONS

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SHEET TITLE
YOUTH LEARNING CENTER – STAIR PLANS AND SECTIONS

A11.2 of

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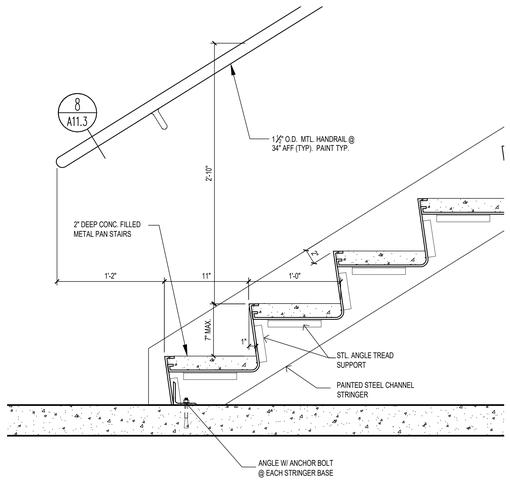
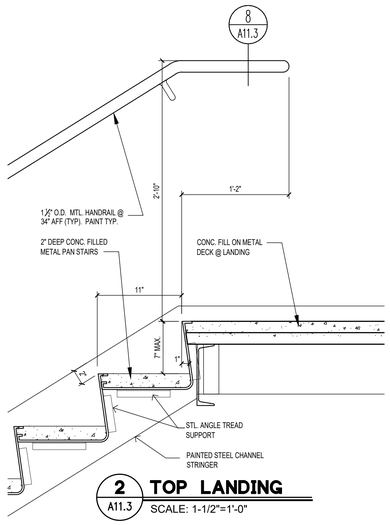


1 A11.3 BOTTOM OF STAIR STRINGER
SCALE: 1-1/2"=1'-0"



2 A11.3 TOP LANDING
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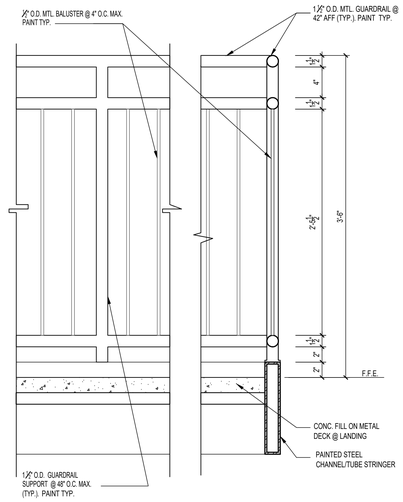
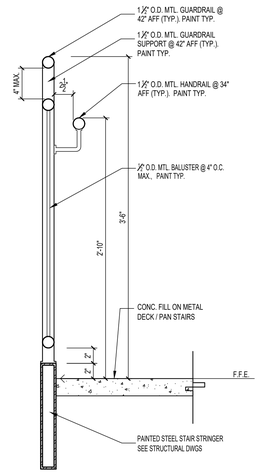
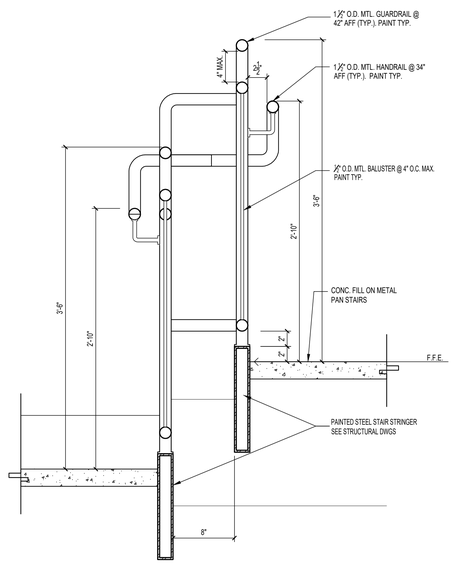


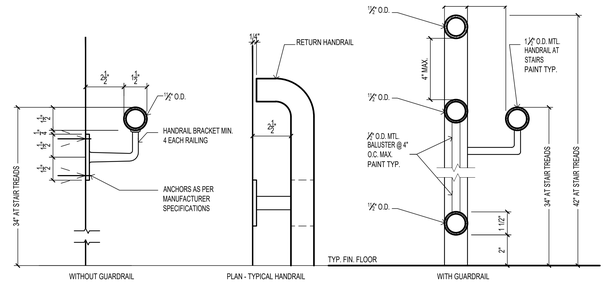
3 A11.3 GUARDRAIL DETAIL
SCALE: 1-1/2"=1'-0"



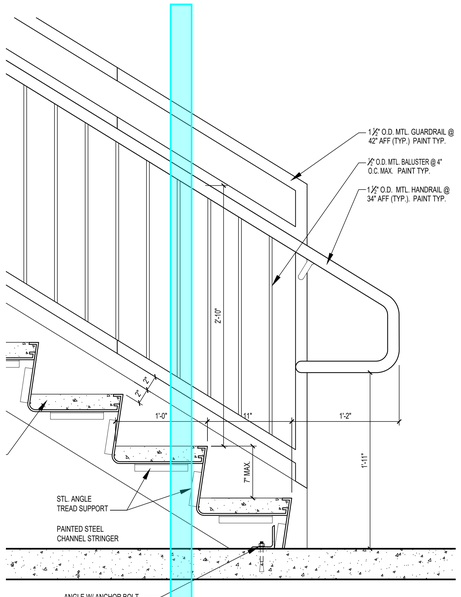
4 A11.3 GUARDRAIL DETAIL
SCALE: 1-1/2"=1'-0"



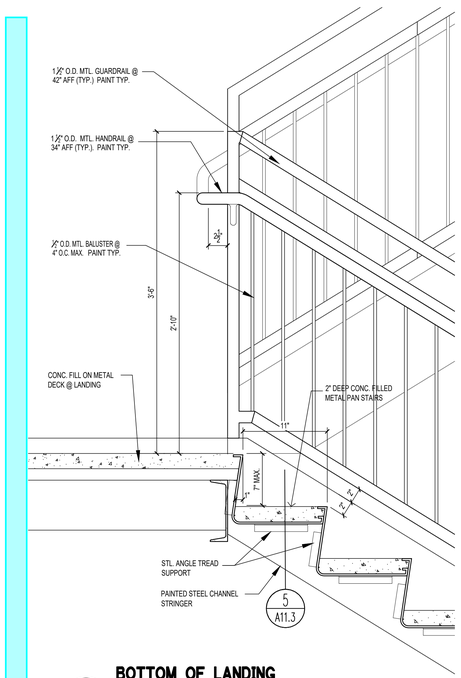
5 A11.3 GUARDRAIL DETAIL @ CENTER
SCALE: 1-1/2"=1'-0"



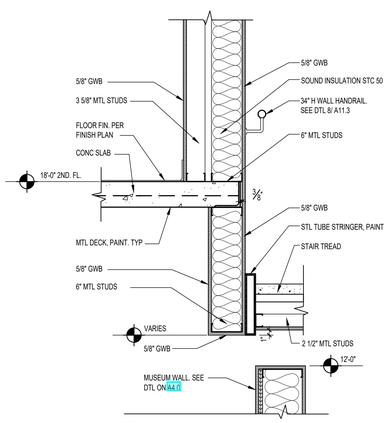
8 A11.3 GUARDRAIL/HANDRAIL SECTIONS @ STAIRS & RAMP
SCALE: 3"=1'-0"
NOTE: SEE STAIR PLANS FOR HANDRAIL LOCATION



6 A11.3 BOTTOM OF STAIR GUARDRAIL / HANDRAIL DETAIL
SCALE: 1-1/2"=1'-0"



7 A11.3 BOTTOM OF LANDING GUARDRAIL / HANDRAIL DETAIL
SCALE: 1-1/2"=1'-0"



9 A11.3 STAIR WALL DTL
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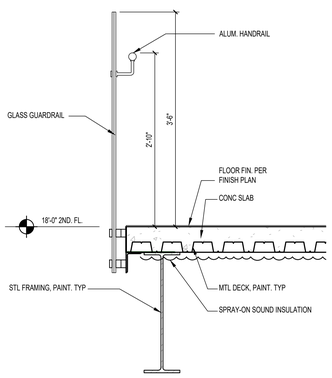

10 A11.3 GLASS GUARDRAIL DTL
SCALE: 1"=1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

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100% CD	7-18-25	R. SHAH	S. DIVSALAR

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SHEET TITLE
STAIR DETAILS

A11.3 of

G:\Production\CRA Jobs\2024\24029 - FSA - New Office Building - Museum\Drawings\CRA DWGs\@@@@@Post Submittal\24029 A11.1-A11.4 STAIR & ELEVATOR SECTIONS.dwg, 7/17/2025 4:11:03 PM, rshah

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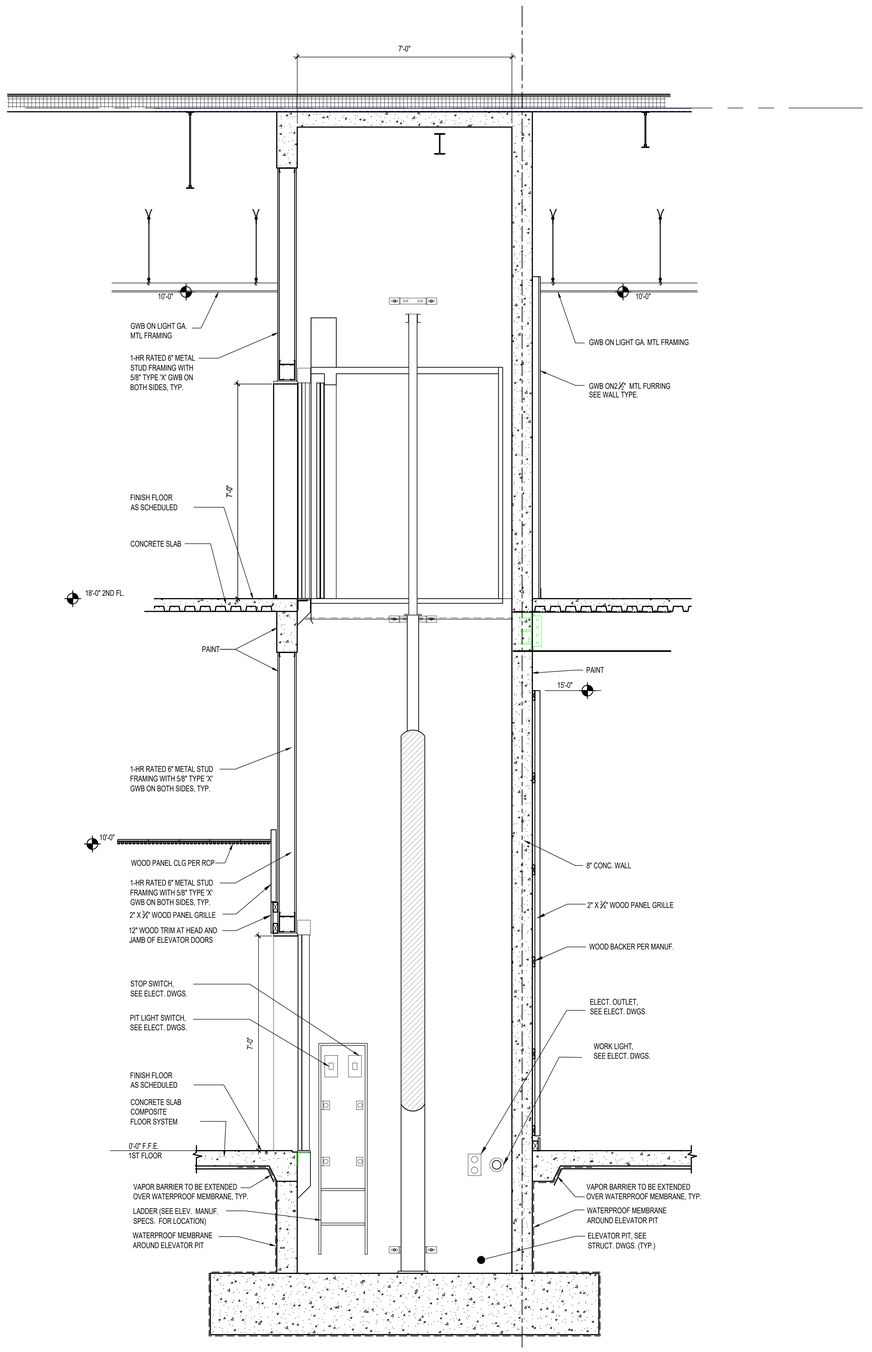

1 A1.1 A11.4 **ELEVATOR SECTION - YLC & BH BLDGS**
SCALE: 1/2"=1'-0"

ALL EXPOSED STEEL BEAMS TO BE PAINTED

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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ELEVATOR SECTIONS

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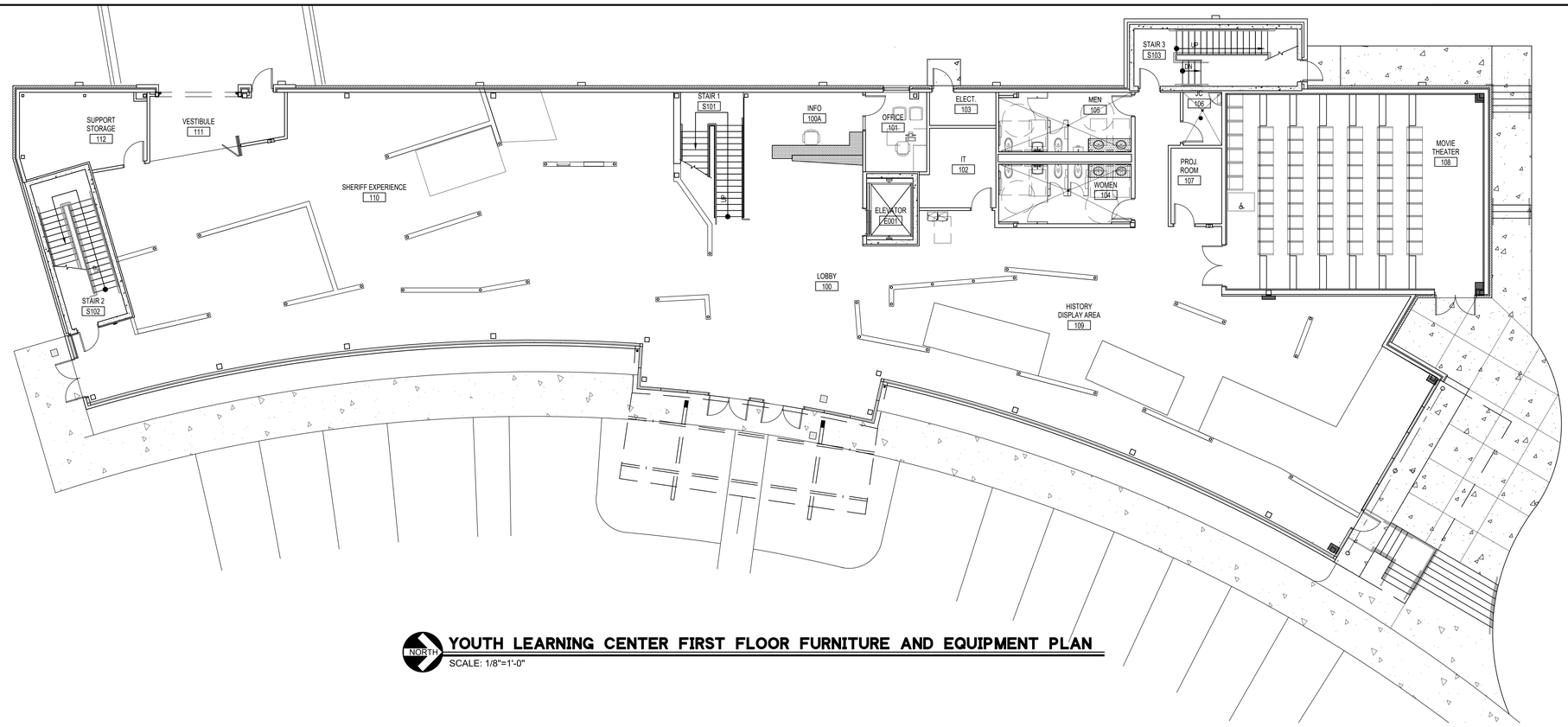
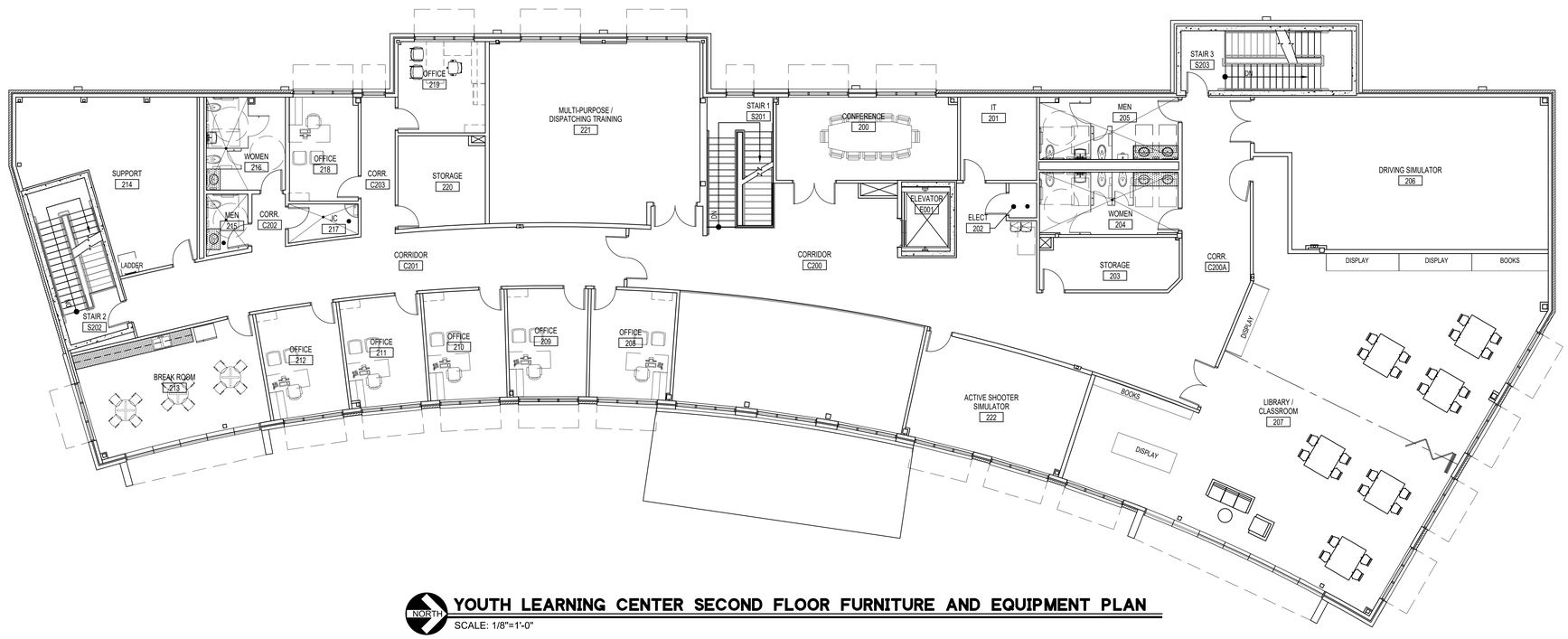


NORTH

YOUTH LEARNING CENTER FIRST FLOOR FURNITURE AND EQUIPMENT PLAN

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



NORTH

YOUTH LEARNING CENTER SECOND FLOOR FURNITURE AND EQUIPMENT PLAN

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

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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Gregory Westmoreland Kelley
AR0016706

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SHEET TITLE
YOUTH LEARNING CENTER - 1ST & 2ND FL FURNITURE AND EQUIPMENT PLANS

A12.1 of .

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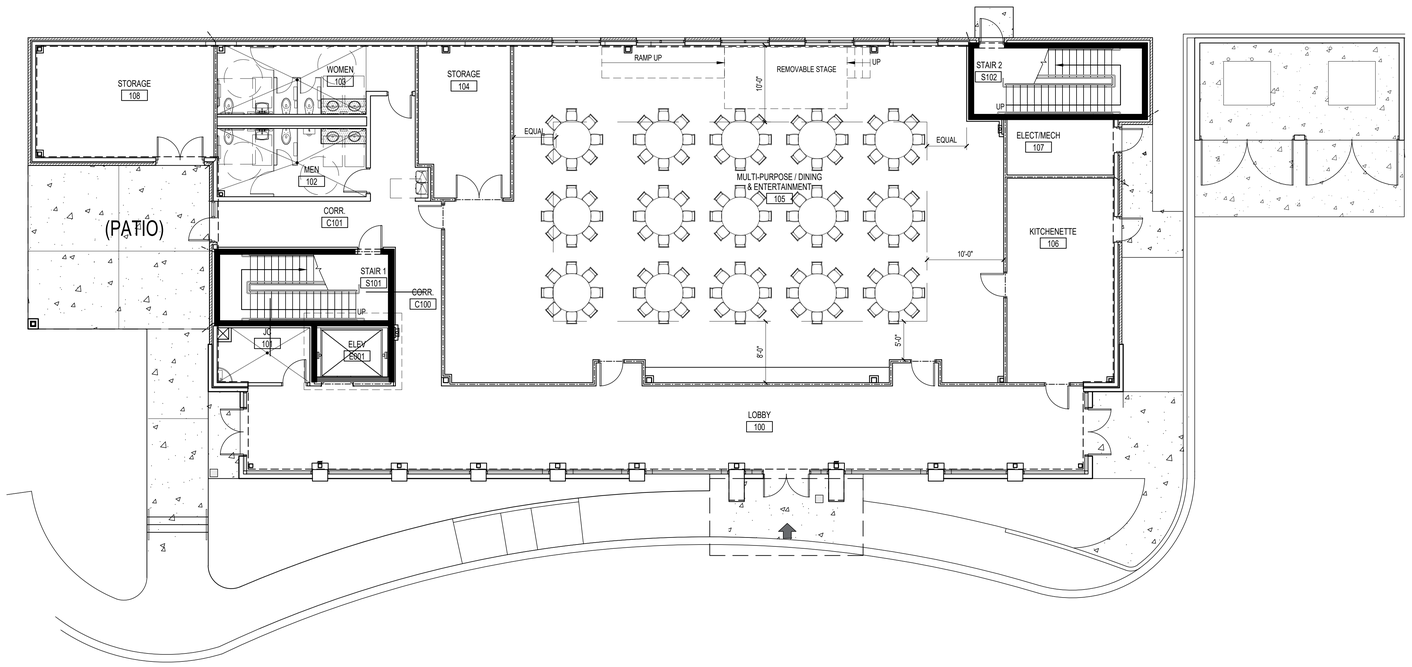
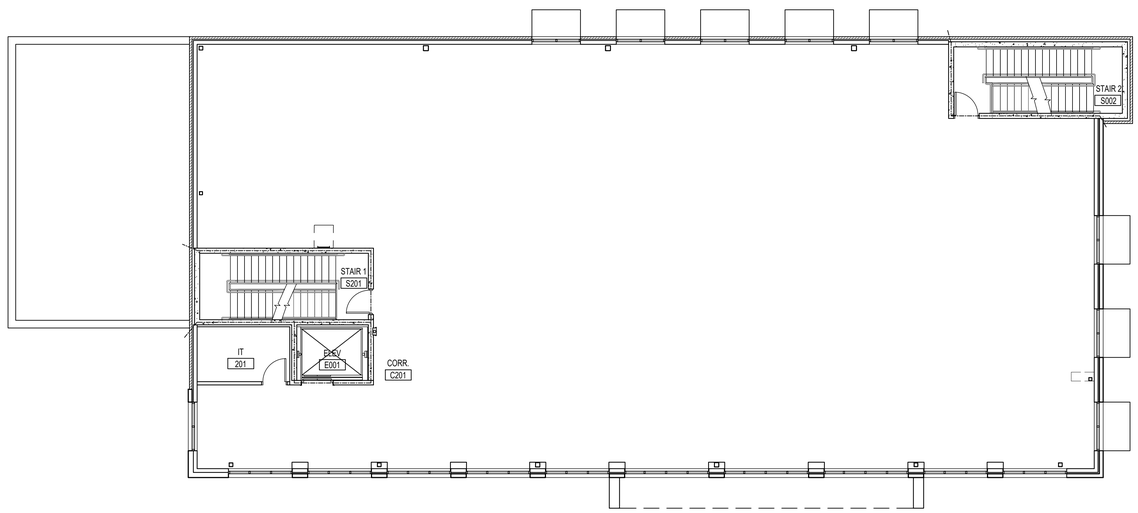


NORTH

BLACKBURN-HUNT BUILDING FIRST FLOOR FURNITURE & EQUIPMENT PLAN

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



NORTH

BLACKBURN-HUNT BUILDING SECOND FLOOR FURNITURE & EQUIPMENT PLAN

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

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MAHAN DRIVE
TALLAHASSEE, FL

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BLACKBURN-HUNT BLDG - 1ST & 2ND FL FURNITURE & EQUIPMENT PLANS

A12.2 of .

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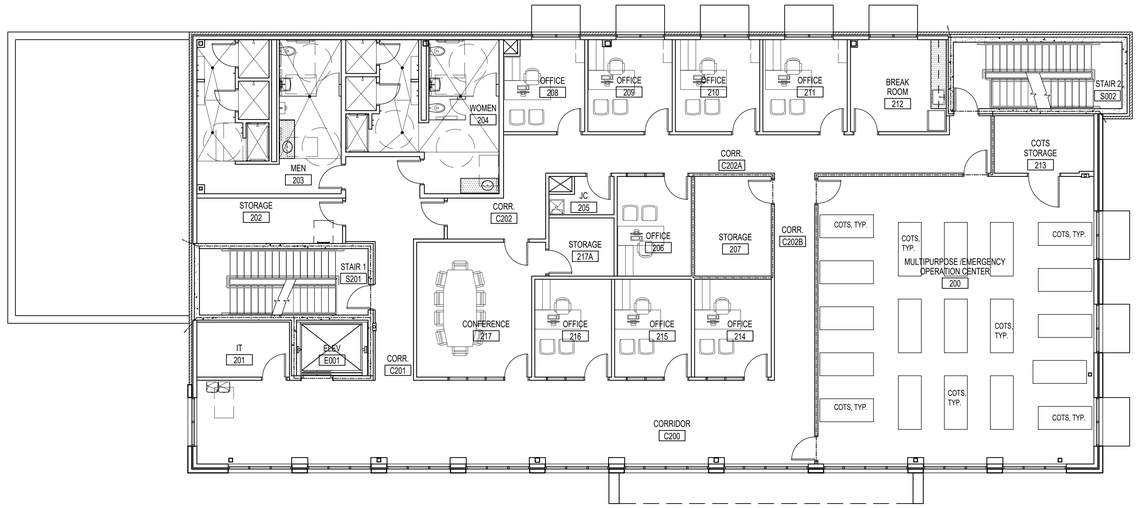

BLACKBURN-HUNT BUILDING SECOND FLOOR FURNITURE & EQUIPMENT PLAN - ADD ALTERNATE

NORTH

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

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CRA PROJ.#: 24029

PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
BLACKBURN-HUNT BLDG - 2ND FL FURNITURE & EQUIPMENT PLAN - ADD ALTERNATE

A12.3 of .

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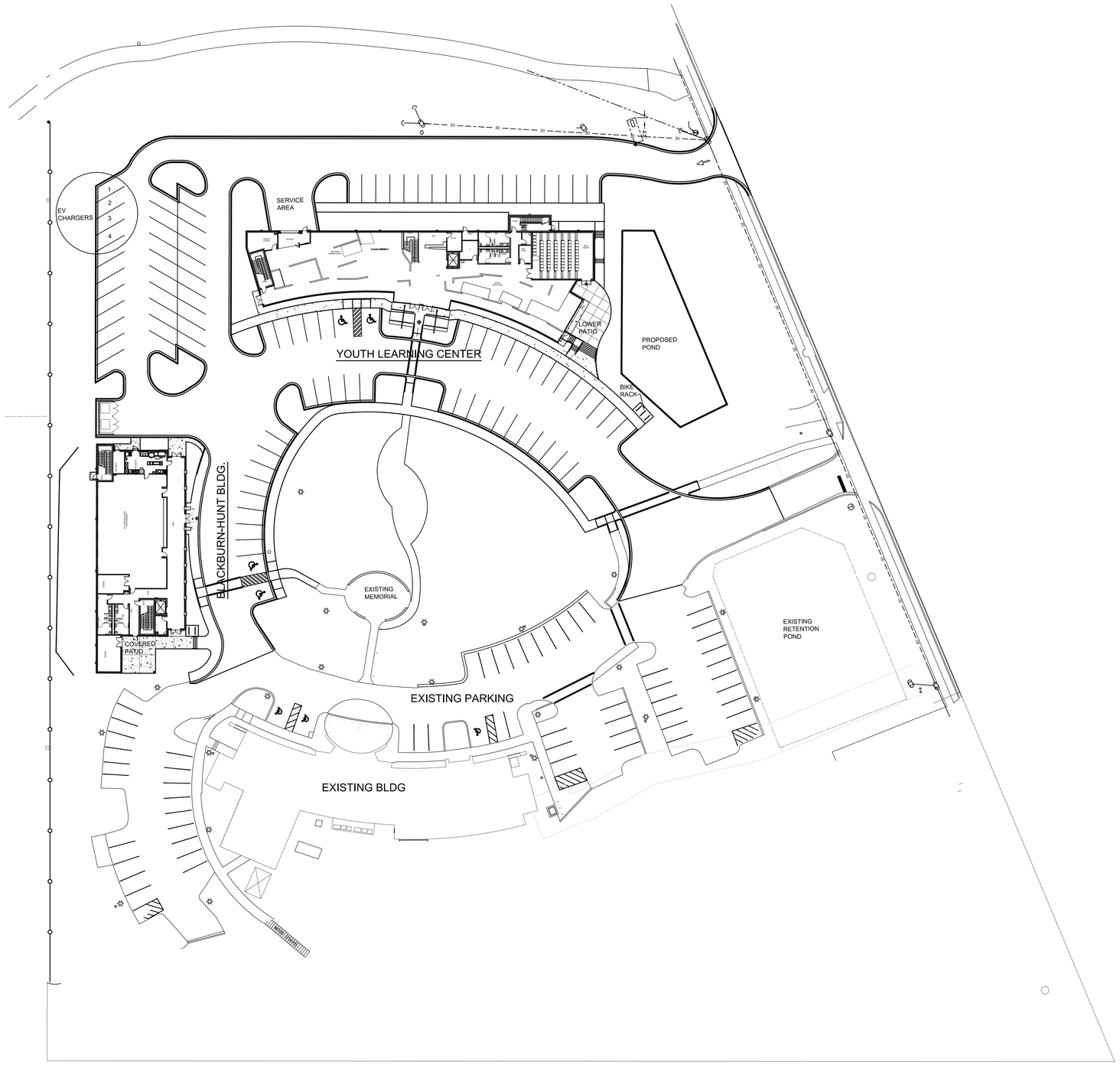

NORTH

SITE PLAN

SCALE: 1"=30'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS

Clemons, Rutherford & Associates Inc.

Architects
Planners
Interior Designers
Construction Managers

2027 Thomasville Road
Tallahassee, Florida 32308

(850) 385-6153
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cra@clemons-rutherford.com

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DD	2-28-25	R. SHAH	S. DIVSALAR
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100% CD	7-18-25	R. SHAH	S. DIVSALAR
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PHASE: **CONSTRUCTION DOCUMENTS**

SHEET TITLE
ARCHITECTURAL
SITE PLAN

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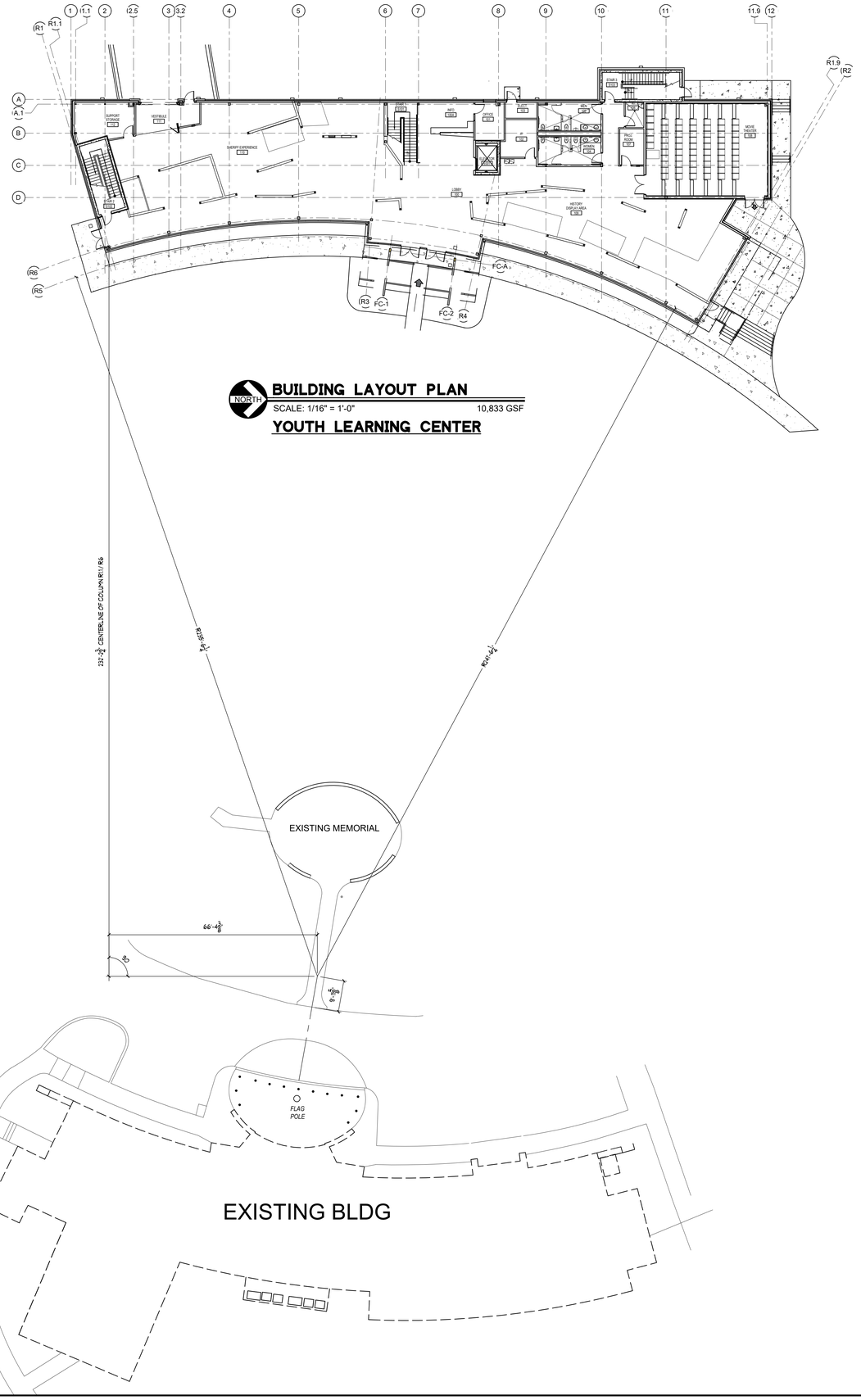

BUILDING LAYOUT PLAN

SCALE: 1/16" = 1'-0" 10,833 GSF

YOUTH LEARNING CENTER

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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SHEET TITLE
YOUTH LEARNING CENTER
BUILDING LAYOUT PLAN

AS1.2 of .

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FOODSERVICE GENERAL NOTES

- ITEMS OF FOODSERVICE EQUIPMENT SHALL BE FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH THE LATEST STANDARDS PUBLISHED BY THE NATIONAL SANITATION FOUNDATION (NSF) OR THE EQUIVALENT, IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND/OR LOCAL CODES AND STANDARDS.
- WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH REQUIREMENTS OF APPLICABLE CODES, ORDINANCES, AND REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, STATE FIRE MARSHAL, STATE BOARD OF HEALTH, LOCAL HEALTH CODES, ETC.
- ELECTRICALLY OPERATED AND/OR HEATED EQUIPMENT, FABRICATED OR OTHERWISE, SHALL CONFORM TO THE LATEST STANDARDS OF NATIONAL ELECTRIC MANUFACTURERS' ASSOCIATION AND OF UNDERWRITERS LABORATORIES, INC. EQUIPMENT SHALL BEAR THE U.L. LABEL.
- STEAM HEATED EQUIPMENT SHALL BE MANUFACTURED IN ACCORDANCE WITH A.S.M.E. CODE REQUIREMENTS AND CARRY THE A.S.M.E. STAMP.
- NO EXTRA CHARGE WILL BE PAID FOR FURNISHING ITEMS REQUIRED BY REGULATIONS BUT NOT SPECIFIED OR SHOWN ON THE DRAWINGS.
- RULINGS AND INTERPRETATIONS OF ENFORCING AGENCIES SHALL BE CONSIDERED PART OF THE REGULATIONS.
- GENERAL CONTRACTOR TO SITE VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

DISCLAIMER

- FOODSERVICE EQUIPMENT PLANS AND SPECIFICATIONS ARE INTENDED TO ILLUSTRATE TYPES AND ARRANGEMENTS, INCLUDING SPACE AND UTILITY REQUIREMENTS, OF EQUIPMENT REQUIRED FOR THE PROJECT REGARDING THE DESIRED FUNCTION AND PRODUCT FLOW. THEY ARE INTENDED TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED.

ERRORS AND OMISSIONS

- DESIGN DOCUMENTS INCLUDE DRAWINGS AND SPECIFICATIONS WHICH SHOULD BE REASONABLY CORRECT. HOWEVER, THEIR COMPLETE ACCURACY IS NOT GUARANTEED. SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION.
- IT SHALL BE THE RESPONSIBILITY OF THE FOODSERVICE EQUIPMENT BIDDERS TO INFORM THE FOODSERVICE CONSULTANT OF ANY DISCREPANCIES FOUND WITHIN THESE DOCUMENTS TO INCLUDE: WRITTEN SPECIFICATIONS, DRAWINGS, OR SCHEDULES, TO ALLOW AN OPPORTUNITY FOR THE CONSULTANT TO PREPARE AN ADDENDUM TO CORRECT SUCH DISCREPANCIES. BIDDING ON A KNOWN DISCREPANCY WITH THE INTENTION OF EQUIPMENT SUBSTITUTION OR PRICE GOUGING THROUGH CHANGE ORDERS WILL NOT BE TOLERATED.

FOODSERVICE PLUMBING NOTES

- THIS PLUMBING PLAN AND COORDINATING SCHEDULE IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION TYPES, POSITIONS, FIXTURE TYPES, AND LOAD REQUIREMENTS FOR FOODSERVICE EQUIPMENT SPECIFIED AND SCHEDULED FOR REUSE. THIS PLUMBING PLAN IS INTENDED TO SHOW PLUMBING REQUIREMENTS AND APPROXIMATE ROUGH-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS, SEE DIMENSIONED PLANS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR.
- UTILITY REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE PLUMBING ENGINEER/ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION.
- PRIOR TO EQUIPMENT INSTALLATION, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CHECK UTILITY ROUGH-IN LOCATIONS, COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE FOODSERVICE UTILITY PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD.
- SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION.
- UTILITIES ARE BASED ON MANUFACTURER'S INFORMATION. ACTUAL ROUGHING-IN TO BE DETERMINED BY CODE REQUIREMENTS AND/OR MANUFACTURER'S DIRECTIONS.
- EXPOSED UTILITY LINES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS, AND CEILING AREAS (2 INCHES OFF WALLS AND 6 INCHES MINIMUM OFF FLOORS).
- PLUMBING ENGINEER TO BE RESPONSIBLE FOR ALL CONCERNS AND ARRANGEMENTS REGARDING PENETRATIONS INTO THE FLOOR AND WALL. BUILDING OWNER TO APPROVE PRIOR TO CONSTRUCTION.
- PLUMBING ENGINEER TO LOCATE AREA DRAINS AS REQUIRED FOR GENERAL CLEANING OF THE FACILITY.
- PLUMBING COMPONENTS MUST NOT INTERFERE WITH THE OPERATION OF FOODSERVICE EQUIPMENT.
- WHERE POSSIBLE, UTILITIES SHALL BE CONCEALED WITHIN BUILDING WALLS OR COLUMN CHASES, NOT RUN ALONG WALL FACE. DO NOT STUB OUT OF FLOOR AND RUN ON THE FACE OF THE WALL.
- ANY AND ALL EXPOSED PIPING OR FITTINGS TO BE STAINLESS STEEL, CHROME PLATED, OR ENCLOSED IN A CONCEALED, MOUNTED STAINLESS STEEL CHASE.
- ALL HORIZONTAL PIPING RUNS EXTENDED TO AND CONNECTED TO EQUIPMENT ITEMS SHALL BE AT THE HIGHEST PRACTICAL ELEVATION AND NOT LESS THAN 6" ABOVE THE FINISHED FLOOR (TO PROVIDE CLEARANCE FOR CLEANING).
- VENT PIPES TO BE CONCEALED IN WALLS OR COLUMN CHASES. USE LOOP VENTS FOR ISLAND FIXTURES, AS ALLOWED BY LOCAL CODES.
- LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH THE INTENDED USE OF OR SERVICING OF EQUIPMENT.
- DRINKING FOUNTAINS ARE BY PLUMBING TRADES. VERIFY UTILITY REQUIREMENTS WITH PLUMBING ENGINEER.
- FLOOR DRAINS, FUNNEL FLOOR DRAINS, FLOOR SINKS, ETC. LOCATED AT FOOD PREP SINKS, POT WASHING SINKS, AND DISHMACHINES MUST HAVE REMOVABLE BASKETS TO CATCH FOOD PARTICLES. FLOOR TROUGH DRAINS MUST ALSO BE PROVIDED WITH REMOVABLE BASKETS AND TO BE INSTALLED FLUSH WITH THE FINISHED FLOOR. NO RAISED FLOOR SINKS SHALL BE INSTALLED. ALL DRAINS IN FOODSERVICE AREAS TO BE RUN THROUGH GREASE TRAP UNLESS OTHERWISE ALLOWED BY LOCAL CODE.

PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:

- ALL PLUMBING WORK, LABOR, AND MATERIAL REQUIRED TO CONNECT THIS EQUIPMENT IS TO BE FURNISHED BY PLUMBING CONTRACTOR UNLESS SPECIFICALLY CALLED FOR IN FOODSERVICE DOCUMENTS. PLUMBING CONTRACTOR SHALL INCLUDE ROUGHING-IN TO POINTS INDICATED ON ROUGHING-IN PLANS, FINAL CONNECTIONS FROM ROUGH-IN POINTS TO EQUIPMENT REQUIRING THOSE CONNECTIONS, AND THE SUPPLYING OF ALL NECESSARY MATERIALS AND LABOR FOR THIS WORK EXCEPT AS HEREINAFTER NOTED.
- ALL WATER AND WASTE SERVICE TO POINT OF ROUGH-IN AS SHOWN ON PLAN. ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS AT HEIGHT INDICATED FROM FINISHED FLOOR TO CENTERLINE OF SERVICE LINE. FLOOR ROUGH-INS TO STUB UP 3" ABOVE FINISHED FLOOR OR CURB. ALL FLOOR OPENINGS OR PENETRATIONS TO BE SEALED WATERTIGHT.
- FINAL CONNECTIONS TO EQUIPMENT, INCLUDING ALL MATERIALS (STOPS, LINE STRAINERS, TAILPIECES, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING OF SUPPLY AND WASTE LINES FROM BUILDING SERVICE TO ROUGH-IN, TUBING, ETC.) REQUIRED FOR A COMPLETE INSTALLATION.
- FLOOR SINKS, COMPLETE WITH TOP GRATES AND REMOVABLE SEDIMENT BUCKETS. FIXTURES TO BE SET FLUSH WITH FINISHED FLOOR, EXCEPT AS OTHERWISE NOTED.
- WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS OTHERWISE NOTED. MINIMUM DIAMETER OF LINE SHALL BE AS INDICATED ON PLAN REGARDLESS OF CONNECTION, AND SHALL BE PITCHED DOWNWARD. MAINTAIN DRAIN LINES AS HIGH AS POSSIBLE (MINIMUM 6" CLEAR ABOVE FINISHED FLOOR) FOR SANITATION AND CLEANING. WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS PER LOCAL CODES.
- REQUIRED GREASE INTERCEPTORS, OUTSIDE THE BUILDING WHERE POSSIBLE. INDOOR GREASE INTERCEPTORS ARE TO BE RECESSED, FLUSH WITH THE TOP OF THE FINISHED FLOOR (UNLESS SPECIFIED OTHERWISE) AND REMOVAL OF COVER SHALL NOT INTERFERE WITH THE OPERATION OF FOODSERVICE EQUIPMENT. STRICT COORDINATION WITH EQUIPMENT AND LOCAL CODES REQUIRED IF GREASE INTERCEPTOR IS TO BE SET ABOVE THE FLOOR OR UNDER EQUIPMENT.
- VACUUM BREAKERS AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES.
- INSULATION ON HOT WATER AND CONDENSATE RETURN LINES WITHIN THE FOODSERVICE AREAS. SUCH LINES ARE TO BE COLOR-CODED ACCORDING TO LOCAL CODES.
- ITEMS NOT FURNISHED AS A STANDARD PART OF THE EQUIPMENT BY THE MANUFACTURER. FAUCETS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR AND FURNISHED LOOSE AS STANDARD BY EQUIPMENT MANUFACTURERS ARE TO BE MOUNTED AND PLUMBED COMPLETE UNDER THE PLUMBING CONTRACT.

FOODSERVICE ELECTRICAL NOTES

- THIS ELECTRICAL PLAN AND COORDINATING SCHEDULE IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION TYPES, POSITIONS, FIXTURE TYPES, AND LOAD REQUIREMENTS FOR FOODSERVICE EQUIPMENT SPECIFIED AND SCHEDULED FOR REUSE. THIS ELECTRICAL PLAN IS INTENDED TO SHOW ELECTRICAL REQUIREMENTS AND APPROXIMATE ROUGH-IN LOCATIONS ONLY. DO NOT USE FOR ACTUAL ROUGHING-IN. FOR FINAL ROUGH-IN LOCATIONS, SEE DIMENSIONED PLANS PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR.
- UTILITY REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE ELECTRICAL ENGINEER/ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION.
- PRIOR TO EQUIPMENT INSTALLATION, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL CHECK UTILITY ROUGH-IN LOCATIONS, COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE FOODSERVICE UTILITY PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD.
- SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION.
- ELECTRICAL LOADS ARE BASED ON MANUFACTURER'S INFORMATION. MINIMUM CIRCUIT AMPACITY AND OVERCURRENT PROTECTION TO BE DETERMINED BY CODE REQUIREMENTS AND/OR MANUFACTURER'S DIRECTIONS.
- EXPOSED UTILITY LINES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS, AND CEILING AREAS (2 INCHES OFF WALLS AND 6 INCHES MINIMUM OFF FLOORS).
- ELECTRICAL ENGINEER TO BE RESPONSIBLE FOR ALL CONCERNS AND ARRANGEMENTS REGARDING PENETRATIONS INTO THE FLOOR AND WALL. BUILDING OWNER TO APPROVE PRIOR TO CONSTRUCTION.
- ELECTRICAL ENGINEER TO LOCATE RECEPTACLES IN STORAGE AREA AS REQUIRED BY LOCAL BUILDING CODE.
- ELECTRICAL COMPONENTS MUST NOT INTERFERE WITH THE OPERATION OF FOODSERVICE EQUIPMENT
- IT IS THE RESPONSIBILITY OF THE ELECTRICIAN TO REVIEW THE MANUFACTURERS' INSTALLATION INSTRUCTIONS FOR ALL FOODSERVICE EQUIPMENT REQUIREMENT ELECTRICAL CONNECTIONS. SOME MAY REQUIRE MULTIPLE CONNECTIONS.

ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:

- ELECTRICAL ROUGH-IN
- ALL ELECTRICAL WORK, LABOR, AND MATERIAL REQUIRED TO CONNECT THIS EQUIPMENT IS TO BE FURNISHED BY ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY CALLED FOR IN FOODSERVICE DOCUMENTS. ELECTRICAL CONTRACTOR SHALL INCLUDE ROUGHING-IN TO POINTS INDICATED ON ROUGHING-IN PLANS, FINAL CONNECTIONS FROM ROUGH-IN POINTS TO EQUIPMENT REQUIRING THOSE CONNECTIONS, AND THE SUPPLYING OF ALL NECESSARY MATERIALS AND LABOR FOR THIS WORK EXCEPT AS HEREINAFTER NOTED.
- ELECTRICAL BUILDING SERVICES INCLUDING BUT NOT LIMITED TO CONDUIT, WIRING, LINE AND DISCONNECT SWITCHES, SAFETY CUTOFFS AND FITTINGS, CONTROL PANELS, FUSES. BOXES AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION (EXCEPT INTERNAL WIRING AS SPECIFIED OR INDICATED OTHERWISE ON DRAWINGS).
- FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR, INCLUDING ALL REQUIRED MATERIALS (SUCH AS LINE AND DISCONNECT SWITCHES, SAFETY CUTOUTS, CONTROL PANELS, FUSE BOXES OR OTHER ELECTRICAL CONTROLS, FITTINGS, CONDUITS AND CONNECTIONS). ITEMS NOT FURNISHED AS A STANDARD PART OF THE EQUIPMENT BY THE MANUFACTURER ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. STARTING SWITCHES PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR AND FURNISHED LOOSE AS A STANDARD BY THE EQUIPMENT MANUFACTURER ARE TO BE MOUNTED AND WIRED COMPLETE UNDER THE ELECTRICAL CONTRACT.
- FINAL CONNECTIONS, INCLUDING MOUNTING AND WIRING OF STARTERS AND SWITCHES FURNISHED AS PART OF THE FOODSERVICE EQUIPMENT (UNLESS OTHERWISE INDICATED ON DRAWINGS).
- JUNCTION BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL RECEPTACLES, COVER PLATES, ETC. IN FOODSERVICE AREAS SHALL BE MOISTURE PROOF. ELECTRICIAN TO PROVIDE BRUSHED STAINLESS STEEL COVER PLATES AT ALL SERVICE AND CONVENIENCE OUTLETS.
- PLUGS AND CORDS THAT ARE NEMA RATED AND UL APPROVED FOR MANUFACTURER AND FABRICATED EQUIPMENT.
- GFI RECEPTACLES AS REQUIRED BY LOCAL, STATE, AND NATIONAL CODES.
- DISCONNECTS OR OTHER DEVICES AS MAY BE REQUIRED BY LOCAL, STATE, AND NATIONAL CODES.

FOODSERVICE SPECIAL CONDITIONS NOTES

- THIS SPECIAL CONDITIONS PLAN AND COORDINATING INFORMATION IS INTENDED TO HIGHLIGHT ARCHITECTURAL REQUIREMENTS FOR THE KITCHEN, THE FOODSERVICE EQUIPMENT SPECIFIED, AND THE EQUIPMENT SCHEDULED FOR REUSE. THIS SPECIAL CONDITIONS PLAN IS INTENDED TO SHOW ARCHITECTURAL REQUIREMENTS AND APPROXIMATE LOCATIONS ONLY.
- SPECIAL REQUIREMENTS INDICATED ARE TO SERVE AS A REFERENCE TO THE LICENSED PROFESSIONAL ARCHITECT AND/OR ENGINEERS IN THE PREPARATION OF THEIR RESPECTIVE BID AND CONSTRUCTION DOCUMENTS. NO ARCHITECTURAL OR ENGINEERING DESIGN SERVICES ARE INTENDED OR ASSUMED. SEE ARCHITECT'S DRAWINGS FOR ADDITIONAL INFORMATION.
- PRIOR TO EQUIPMENT INSTALLATION, THE FOODSERVICE EQUIPMENT CONTRACTOR SHALL COORDINATE FIELD CONDITIONS, AND CALL TO THE ATTENTION OF THE GENERAL CONTRACTOR ANY DISCREPANCIES BETWEEN THE FOODSERVICE PLANS, THE EQUIPMENT SPECIFIED, AND THE ROUGH-INS AS THEY OCCUR IN THE FIELD.
- SHOULD DISCREPANCIES OCCUR, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE FOODSERVICE CONSULTANT AND/OR PROJECT ARCHITECT/ENGINEER FOR THE CONFLICT TO BE CLARIFIED IN AN OFFICIAL REQUEST FOR INFORMATION.
- WALL BLOCKING TO BE 3/4" FIRE RETARDANT PLYWOOD OR 16 GA. GALVANIZED METAL BY GENERAL CONTRACTOR.

EQUIPMENT LEGEND

	FUTURE EQUIPMENT

FOODSERVICE SHEET LIST

SHEET NO.	SHEET NAME
QF0.0	FOODSERVICE GENERAL NOTES
QF1.0	FOODSERVICE EQUIPMENT OVERALL PLAN
QF1.1	FOODSERVICE EQUIPMENT PLAN
QF1.2	FOODSERVICE EQUIPMENT SCHEDULE
QF2.1	FOODSERVICE EQUIPMENT ELEVATION KEY PLAN
QF2.2	FOODSERVICE EQUIPMENT STANDARD DETAILS
QF3.1	FOODSERVICE EQUIPMENT PLUMBING SUPPLY & DRAIN PLAN
QF4.1	FOODSERVICE EQUIPMENT ELECTRICAL & SPECIAL CONDITIONS PLAN

ABBREVIATIONS

AFD	AREA FLOOR DRAIN	FS	FLOOR SINK
AFF	ABOVE FINISHED FLOOR	FW	FILTERED WATER
BTC	BRANCH TO CONNECTION	GPH	GALLONS PER HOUR
BTD	BRANCH TO DRAIN	HW	HOT WATER
CONV	CONVENIENCE OUTLET	IW	INDIRECT WASTE
CONN.	CONNECTION	NO.	NUMBER
CW	COLD WATER	OC	OUT OF CEILING
CWR	CHILLED WATER RETURN	OF	OUT OF FLOOR
CWS	CHILLED WATER SUPPLY	OR	OUT OF ROOF
DIA.	DIAMETER	OW	OUT OF WALL
DW	DIRECT WASTE	QTY	QUANTITY
ELEC.	ELECTRICAL	S.P.	STATIC PRESSURE
FFD	FUNNEL FLOOR DRAIN	TEMP.	TEMPERATURE

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

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SHEET TITLE

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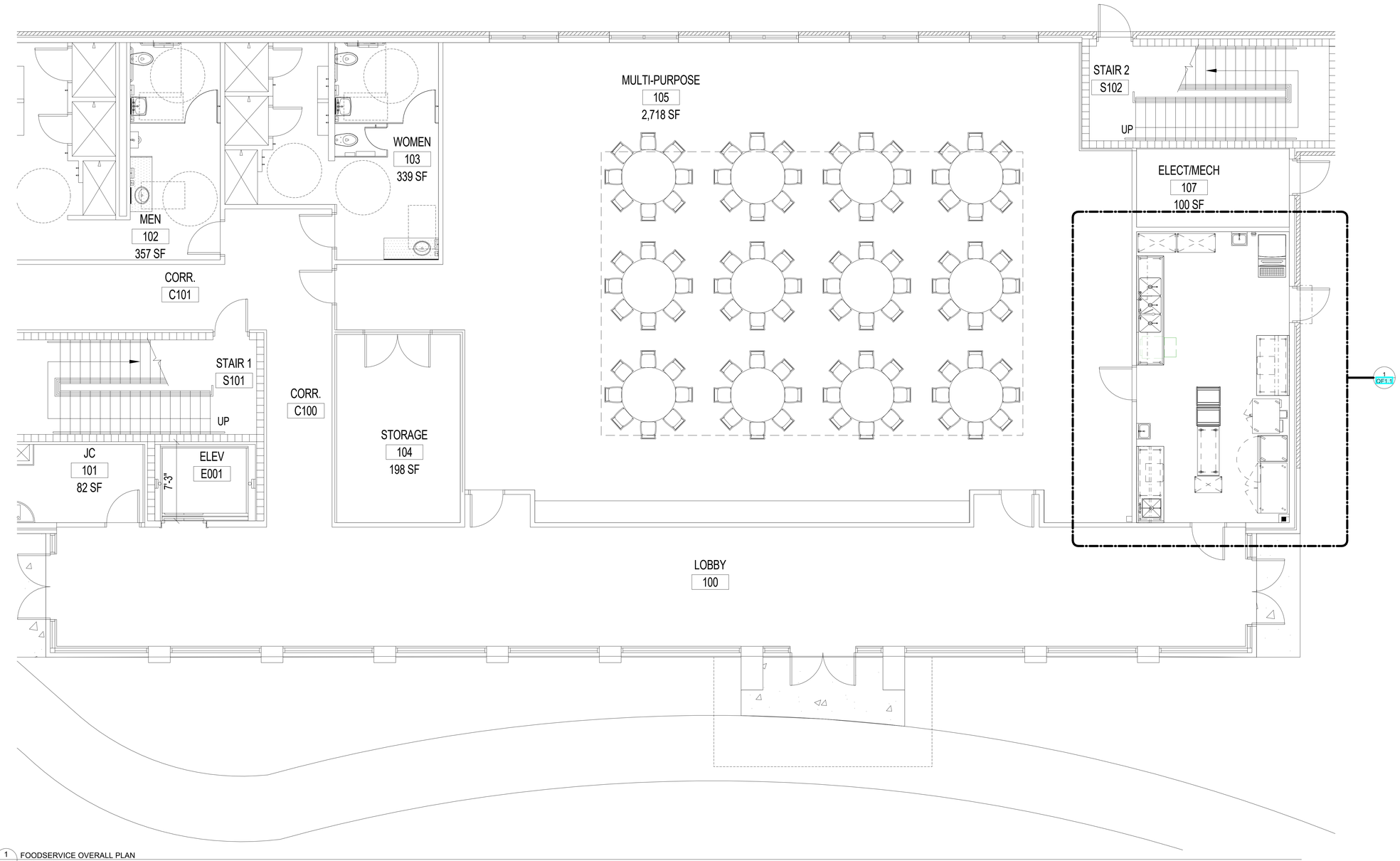

1 QF1.0 FOODSERVICE OVERALL PLAN
1/4" = 1'-0"

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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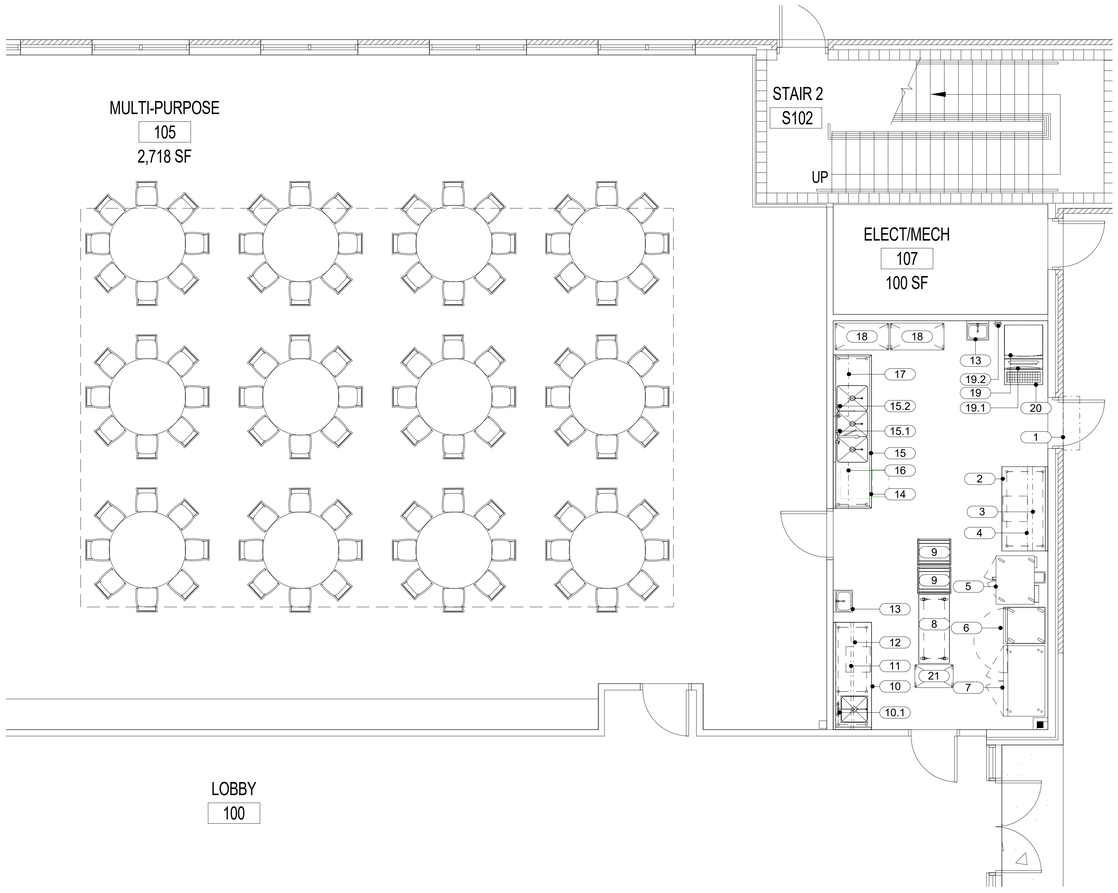

1 QF1.1 FOODSERVICE EQUIPMENT PLAN
1/4" = 1'-0"

FOODSERVICE EQUIPMENT LIST

ITEM NO	QTY	DESCRIPTION	EQUIPMENT REMARKS
1	1	AIR CURTAIN	SWITCH AT DOOR
2	1	WORKTABLE	
3	1	WALL MOUNTED OVERSHELF	
4	1	WALL MOUNTED OVERSHELF	
5	1	VENTLESS CONVECTION OVEN, BOTTOM OVEN	
5.1	1	VENTLESS CONVECTION OVEN, TOP OVEN	
6	1	HOT HOLDING CABINET	CORNER BUMPERS
7	1	REACH-IN REFRIGERATOR	
8	1	MOBILE WORKTABLE	
9	2	UNIVERSAL PAN RACK	PAN STOP, CORNER BUMPERS
10	1	1 COMPARTMENT PREP TABLE W/ SINK	
10.1	1	FAUCET	
11	1	WALL MOUNTED OVERSHELF	
12	1	WALL MOUNTED OVERSHELF	
13	2	HAND SINK	
14	1	UNDERCOUNTER DISH MACHINE	FUTURE PURCHASE
15	1	3 COMPARTMENT SINK	
15.1	1	PRE-RINSE UNIT W/ FAUCET	
15.2	1	FAUCET	
16	1	WALL MOUNTED OVERSHELF	
17	1	WALL MOUNTED OVERSHELF	
18	2	POT STORAGE SHELVING	4-TIER, 74" POST, CASTERS
19	1	ICE MACHINE	
19.1	1	ICE BIN	
19.2	1	WATER FILTER	
20	1	FLOOR TROUGH	
21	1	DRY STORAGE SHELVING	5-TIER, 86" POST

EQUIPMENT LEGEND

	FUTURE EQUIPMENT

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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FOODSERVICE EQUIPMENT SCHEDULE

ITEM NO	QTY	DESCRIPTION	MANUFACTURER	MODEL	AMPS	VOLTS	PHASE	CONN. TYPE	NEMA	CW SIZE	FW SIZE	HW SIZE	DW SIZE	IW SIZE	ITEM NO
1	1	AIR CURTAIN	BERNER	SHD07-1048A	7.5	120	1	DIRECT							1
2	1	WORKTABLE	ACF	WT											2
3	1	WALL MOUNTED OVERSHELF	ACF	WMO											3
4	1	WALL MOUNTED OVERSHELF	ACF	WMO											4
5	1	VENTLESS CONVECTION OVEN, BOTTOM OVEN	SOUTHBEND	PCE22S/SD-V	34	208	3	DIRECT							5
5.1	1	VENTLESS CONVECTION OVEN, TOP OVEN			34	208	3	DIRECT							5.1
6	1	HOT HOLDING CABINET	CRES COR	H137SUA12D	12	120	1	CORD & PLUG	5-15P						6
7	1	REACH-IN REFRIGERATOR	DELFIELD	GAR2P-S	6	120	1	CORD & PLUG	5-15P						7
8	1	MOBILE WORKTABLE	ACF	MWT											8
9	2	UNIVERSAL PAN RACK	NEW AGE	1306											9
10	1	1 COMPARTMENT PREP TABLE W/ SINK	ACF	1CSPT										1 1/2"	10
10.1	1	FAUCET	T&S BRASS	B-0231-CR						1/2"		1/2"			10.1
11	1	WALL MOUNTED OVERSHELF	ACF	WMO											11
12	1	WALL MOUNTED OVERSHELF	ACF	WMO											12
13	2	HAND SINK	ADVANCE TABCO	7-PS-96						1/2"		1/2"	1 1/2"		13
14	1	UNDERCOUNTER DISH MACHINE	CHAMPION	UH330 ADA	32	208	1	DIRECT		1/2"		1/2"		3/4"	14
15	1	3 COMPARTMENT SINK	ACF	3CSST										1 1/2"	15
15.1	1	PRE-RINSE UNIT W/ FAUCET	T&S BRASS	B-0133-12ACBJST						1/2"		1/2"			15.1
15.2	1	FAUCET	T&S BRASS	B-0290						3/4"		3/4"			15.2
16	1	WALL MOUNTED OVERSHELF	ACF	WMO											16
17	1	WALL MOUNTED OVERSHELF	ACF	WMO											17
18	2	POT STORAGE SHELVING	METRO	2142NK3											18
19	1	ICE MACHINE	MANITOWOC	IYT0450A	11.9	120	1	DIRECT			3/8"			1/2"	19
19.1	1	ICE BIN	MANITOWOC	D-570										3/4"	19.1
19.2	1	WATER FILTER	MANITOWOC	AR-20000-P						3/8"					19.2
20	1	FLOOR TROUGH	ACF	FT									4"		20
21	1	DRY STORAGE SHELVING	METRO	1830NK3											21

ABBREVIATIONS

AFD	AREA FLOOR DRAIN	FS	FLOOR SINK
AFF	ABOVE FINISHED FLOOR	FW	FILTERED WATER
BTC	BRANCH TO CONNECTION	GPH	GALLONS PER HOUR
BTD	BRANCH TO DRAIN	HW	HOT WATER
CONV	CONVENIENCE OUTLET	IW	INDIRECT WASTE
CONN.	CONNECTION	NO.	NUMBER
CW	COLD WATER	OC	OUT OF CEILING
CWR	CHILLED WATER RETURN	OF	OUT OF FLOOR
CWS	CHILLED WATER SUPPLY	OR	OUT OF ROOF
DIA.	DIAMETER	OW	OUT OF WALL
DW	DIRECT WASTE	QTY	QUANTITY
ELEC.	ELECTRICAL	S.P.	STATIC PRESSURE
FFD	FUNNEL FLOOR DRAIN	TEMP.	TEMPERATURE

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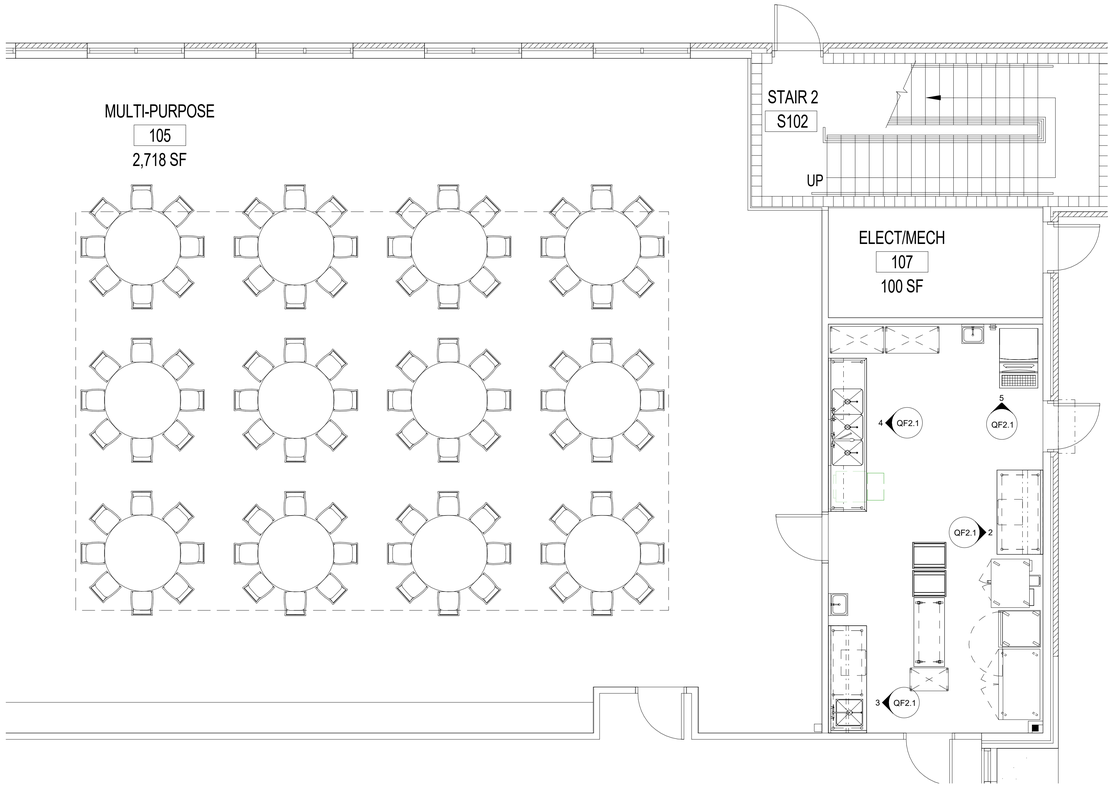
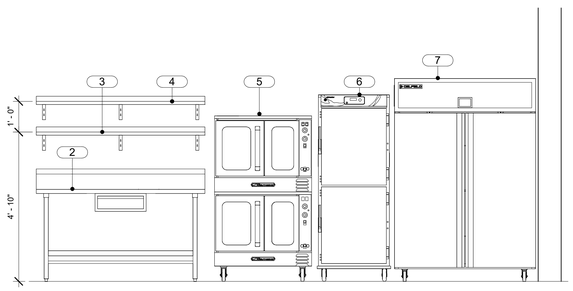
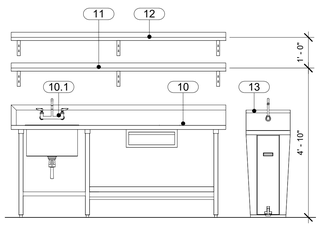


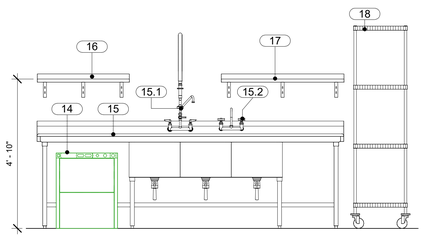
1 QF2.1 FOODSERVICE ELEVATION KEY PLAN
1/4" = 1'-0"



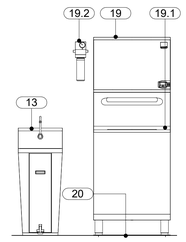
2 QF2.1 VENTLESS COOKING
1/2" = 1'-0"



3 QF2.1 PREP TABLE
1/2" = 1'-0"



4 QF2.1 3 COMPARTMENT SINK
1/2" = 1'-0"



5 QF2.1 ICE MACHINE
1/2" = 1'-0"

EQUIPMENT LEGEND	
	FUTURE EQUIPMENT

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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

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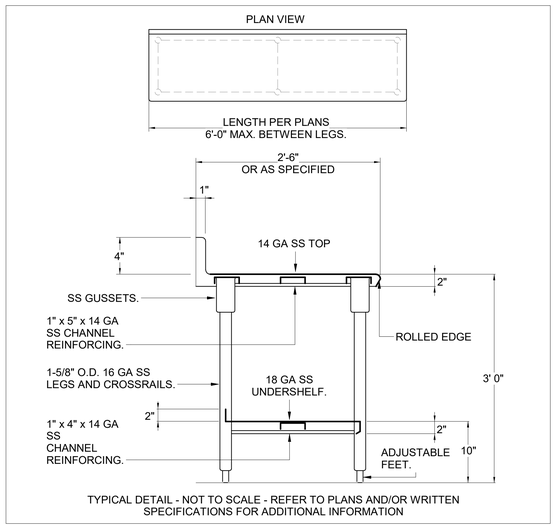
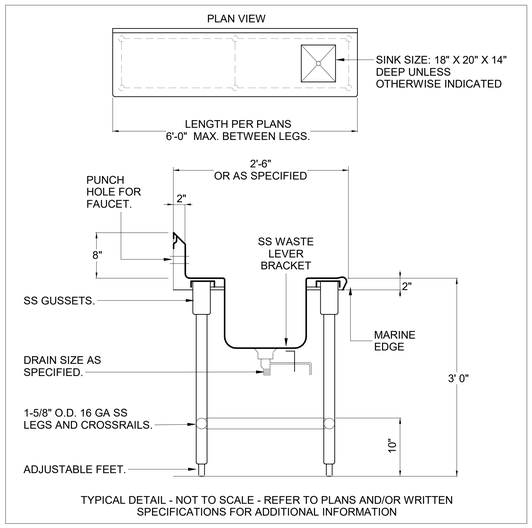


TYPICAL DETAIL - NOT TO SCALE - REFER TO PLANS AND/OR WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION

1 QF2.2 WORKTABLE W/ UNDERSHELF DETAIL
NOT TO SCALE



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2 QF2.2 WORKTABLE W/ SINK DETAIL
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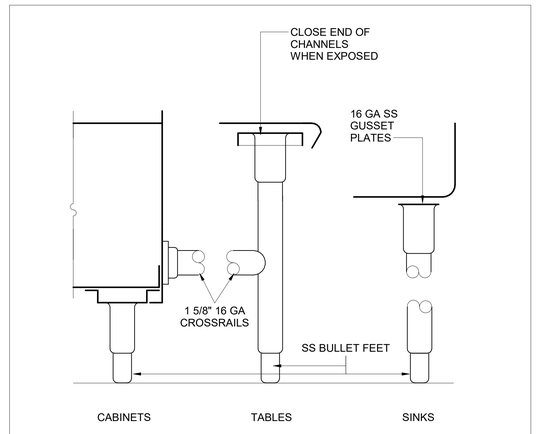

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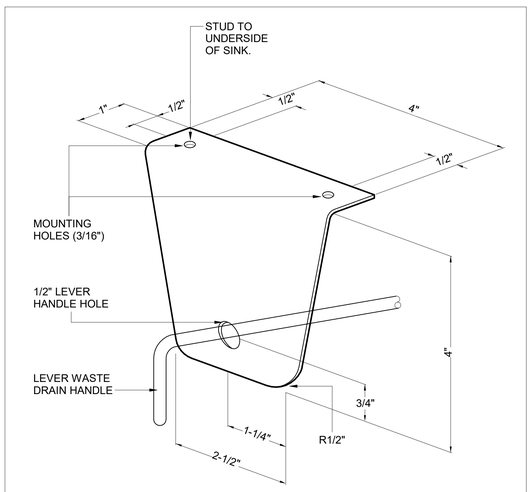
3 QF2.2 LEGS AND CROSS-BRACING DETAIL
NOT TO SCALE



TYPICAL DETAIL - NOT TO SCALE - REFER TO PLANS AND/OR WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION

4 QF2.2 LEVER WASTE BRACKET DETAIL
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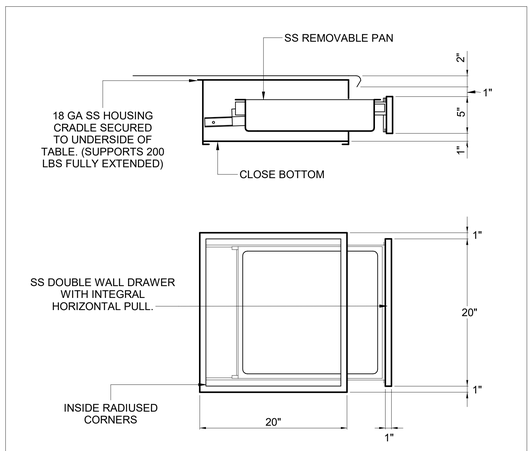

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5 QF2.2 DRAWER ASSEMBLY DETAIL
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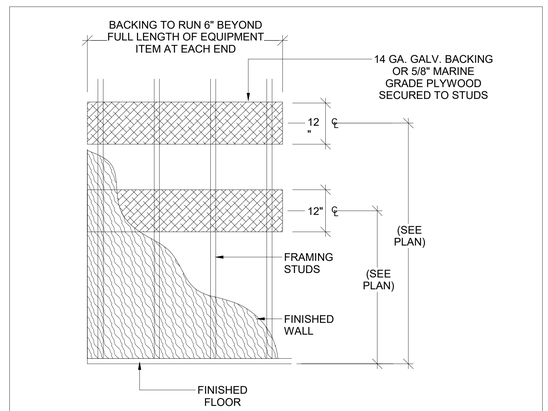
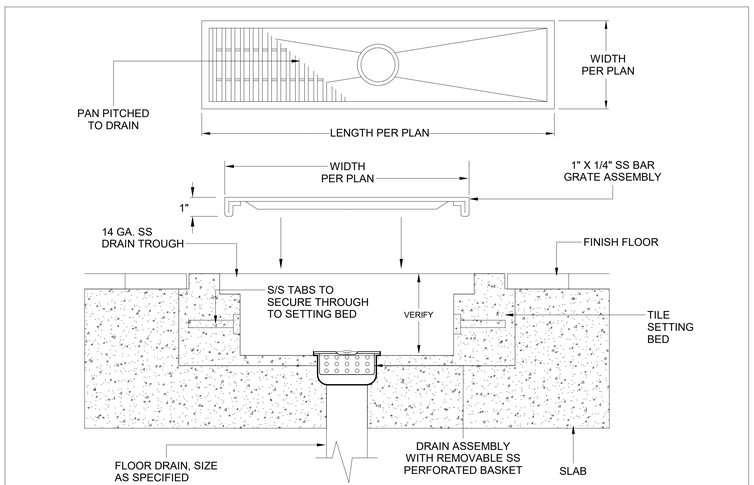


NOTES:
1. WALL BLOCKING TO BE VERIFIED & COORDINATED BY THE F.S.E.C.
2. G.C. TO PROVIDE AND INSTALL AS REQUIRED
3. G.C. TO PROVIDE WOOD BACKING; G.C. TO INSTALL

TYPICAL DETAIL - NOT TO SCALE - REFER TO PLANS AND/OR WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION

6 QF2.2 WALL BLOCKING DETAIL
NOT TO SCALE



TYPICAL DETAIL - NOT TO SCALE - REFER TO PLANS AND/OR WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION

7 QF2.2 FLOOR TROUGH DETAIL
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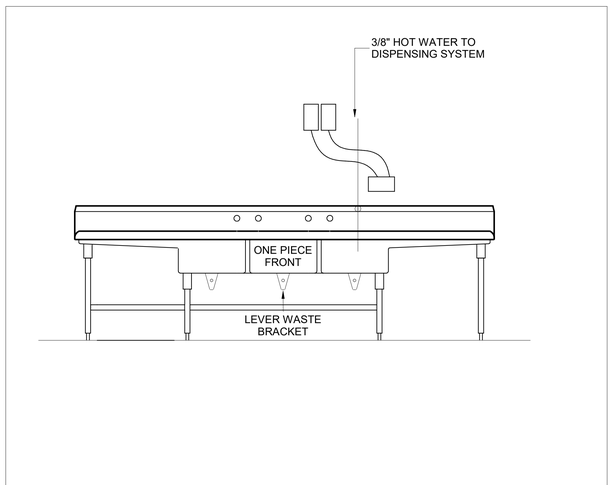
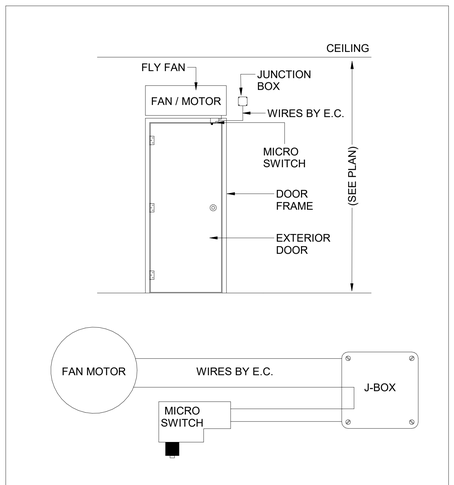


TYPICAL DETAIL - NOT TO SCALE - REFER TO PLANS AND/OR WRITTEN SPECIFICATIONS FOR ADDITIONAL INFORMATION

8 QF2.2 3 COMPARTMENT SINK - CHEMICAL DISPENSING UNIT DETAIL
NOT TO SCALE



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9 QF2.2 FLY FAN DETAIL
NOT TO SCALE

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE,
FL

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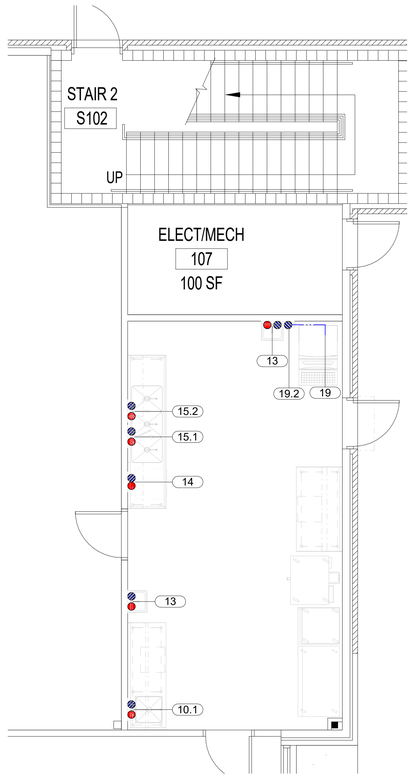
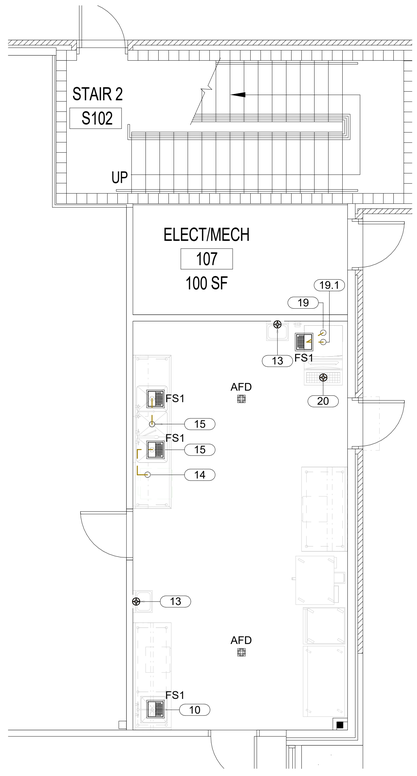
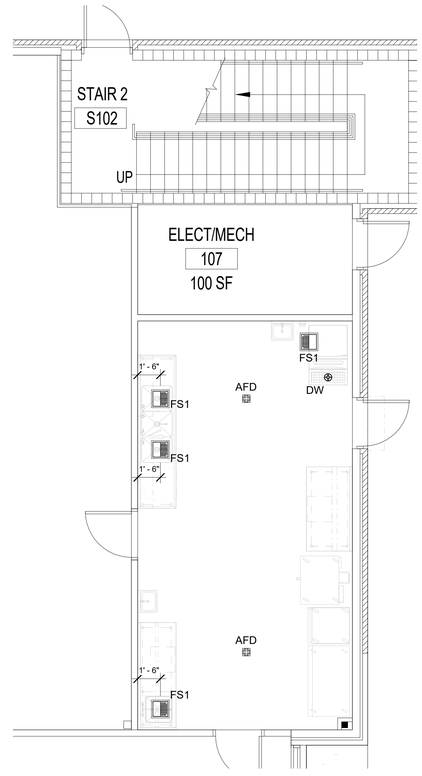


1 QF3.1 FOODSERVICE PLUMBING SUPPLY PLAN
1/4" = 1'-0"



2 QF3.1 FOODSERVICE PLUMBING DRAIN PLAN
1/4" = 1'-0"



3 QF3.1 FOODSERVICE SLAB PENETRATION PLAN
1/4" = 1'-0"

FOODSERVICE PLUMBING SUPPLY SCHEDULE

ITEM NO	QTY	DESCRIPTION	CW SIZE	CW AFF	FW SIZE	HW SIZE	HW AFF	STUB OUT	PLUMBING REMARKS	ITEM NO
10.1	1	FAUCET	1/2"	14"		1/2"	14"	OW		10.1
13	2	HAND SINK	1/2"	14"		1/2"	14"	OW		13
14	1	UNDERCOUNTER DISH MACHINE	1/2"	14"		1/2"	14"	OW	FURTURE PURCHASE	14
15.1	1	PRE-RINSE UNIT W/ FAUCET	1/2"	14"		1/2"	14"	OW		15.1
15.2	1	FAUCET	3/4"	14"		3/4"	14"	OW		15.2
19	1	ICE MACHINE			3/8"			BTD		19
19.2	1	WATER FILTER	3/8"	72"				OW		19.2

FOODSERVICE PLUMBING DRAIN SCHEDULE

ITEM NO	QTY	DESCRIPTION	DW SIZE	DW AFF	IW SIZE	STUB OUT	PLUMBING REMARKS	ITEM NO
10	1	1 COMPARTMENT PREP TABLE W/ SINK			1 1/2"	BTD		10
13	2	HAND SINK	1 1/2"	12"		OW		13
14	1	UNDERCOUNTER DISH MACHINE			3/4"	OW	FURTURE PURCHASE	14
15	1	3 COMPARTMENT SINK			1 1/2"	BTD		15
19.1	1	ICE BIN			3/4"	BTD		19.1
20	1	FLOOR TROUGH	4"	0"		OF		20

FOODSERVICE HOT WATER SCHEDULE - 120° F

ITEM NO.	QTY.	DESCRIPTION	GPH
10.1	1	FAUCET	15.58
13	1	HAND SINK	5
13	1	HAND SINK	5
			25.58

FOODSERVICE HOT WATER SCHEDULE - 140° F

ITEM NO.	QTY.	DESCRIPTION	GPH
14	1	UNDERCOUNTER DISH MACHINE	38
15.1	1	PRE-RINSE UNIT W/ FAUCET	35
15.2	1	FAUCET	25
			98

EQUIPMENT LEGEND

	FUTURE EQUIPMENT

PLUMBING LEGEND

	COLD WATER
	HOT WATER
	GAS CONNECTION
	DIRECT DRAIN CONNECTION
	AREA FLOOR DRAIN (AFD)
	FLOOR SINK (FS1) - HALF GRATE
	FILTERED WATER SUPPLY
	INDIRECT WASTE

IT IS THE INTENT OF THIS DRAWING TO SHOW PLUMBING CONNECTION POINTS. FOR FINAL ROUGH-IN DRAWINGS, SEE CONTRACTOR'S DETAIL SHOP DRAWINGS. ALLOWANCES SHALL BE MADE FOR TRIM, FITTINGS AND ACCESSORIES.

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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
100% CD	7-18-25	JT	BD

REVISIONS

#	DATE	COMMENTS

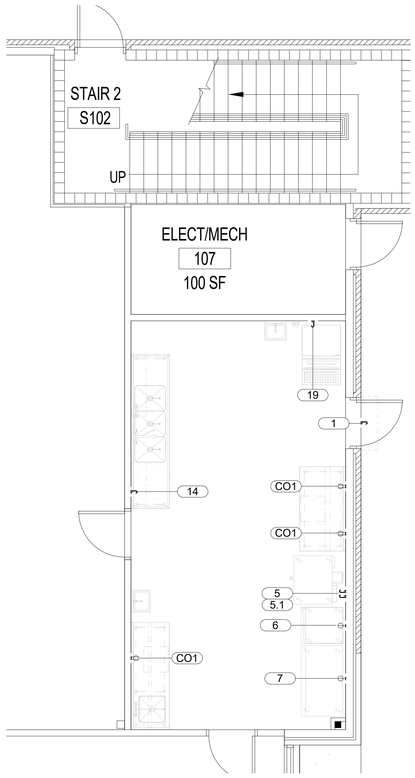
CRA PROJ.#: 24029

PHASE: CONSTRUCTION DOCUMENTS

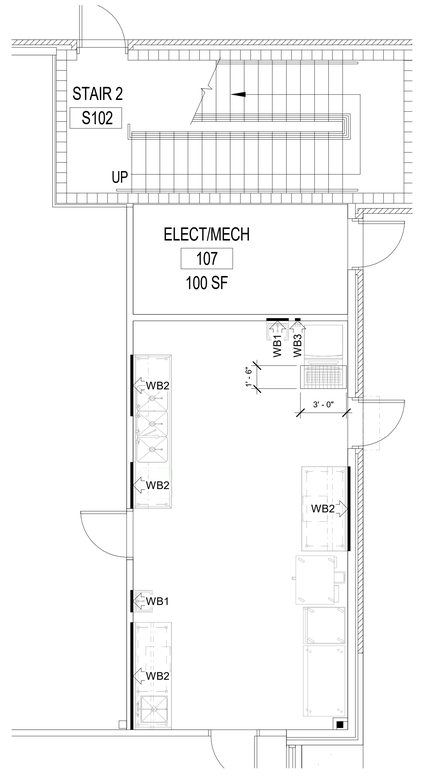
SHEET TITLE

QF3.1

of



1 QF4.1 FOODSERVICE ELECTRICAL PLAN
1/4" = 1'-0"



2 QF4.1 FOODSERVICE SPECIAL CONDITIONS PLAN
1/4" = 1'-0"

FOODSERVICE ELECTRICAL SCHEDULE

ITEM NO	QTY	DESCRIPTION	AMPS	VOLTS	PHASE	CONNECTION TYPE	NEMA	ELECTRICAL AFF	STUB OUT	ELECTRICAL REMARKS	ITEM NO
1	1	AIR CURTAIN	7.5	120	1	DIRECT		100"	OW		1
5	1	VENTLESS CONVECTION OVEN, BOTTOM OVEN	34	208	3	DIRECT		24"	OW		5
5.1	1	VENTLESS CONVECTION OVEN, TOP OVEN	34	208	3	DIRECT		36"	OW		5.1
6	1	HOT HOLDING CABINET	12	120	1	CORD & PLUG	5-15P	24"	OW		6
7	1	REACH-IN REFRIGERATOR	6	120	1	CORD & PLUG	5-15P	90"	OW		7
14	1	UNDERCOUNTER DISH MACHINE	32	208	1	DIRECT		24"	OW	FUTURE PURCHASE	14
19	1	ICE MACHINE	11.9	120	1	DIRECT		72"	OW		19
CO1	3	CONVENIENCE OUTLET	16	120	1	DIRECT	5-20P	50"	OW		CO1

ELECTRICAL LEGEND

	SPECIAL PURPOSE SINGLE RECEPTACLE WALL -MOUNTED (DEDICATED CIRCUIT)
	SPECIAL PURPOSE DUPLEX RECEPTACLE WALL-MOUNTED (DEDICATED CIRCUIT)
J	JUNCTION BOX WALL-MOUNTED
CONV	CONVENIENCE OUTLET - 16A/120/1
	ELECTRICAL WIRING

EQUIPMENT LEGEND

	FUTURE EQUIPMENT

IT IS THE INTENT OF THIS DRAWING TO SHOW ELECTRICAL CONNECTION POINTS. FOR FINAL ROUGH-IN DRAWINGS, SEE CONTRACTOR'S DETAIL SHOP DRAWINGS. ALLOWANCES SHALL BE MADE FOR TRIM, FITTINGS AND ACCESSORIES.

WALL BLOCKING LEGEND

	PROVIDE WALL BLOCKING AT THIS LOCATION AS INDICATED ON FLOOR PLAN AND LEGEND BELOW
WB1	HAND SINK, BLOCKING @ 30" - 54" AFF
WB2	WALL MOUNTED SHELF, SEE ELEVATION FOR HEIGHTS
WB3	WATER FILTER, BLOCKING @ 72" - 96" AFF

SPECIAL CONDITIONS LEGEND

	WALL BLOCKING
	2" DEEP FLOOR TROUGH

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE TALLAHASSEE, FL

CRA ARCHITECTS
Clemons, Rutherford & Associates Inc.
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Construction Managers
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SUBMITTAL

PHASE	DATE	DRAWN	CHECK
100% CD	7-18-25	JT	BD

REVISIONS

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CRA PROJ.#: 24029

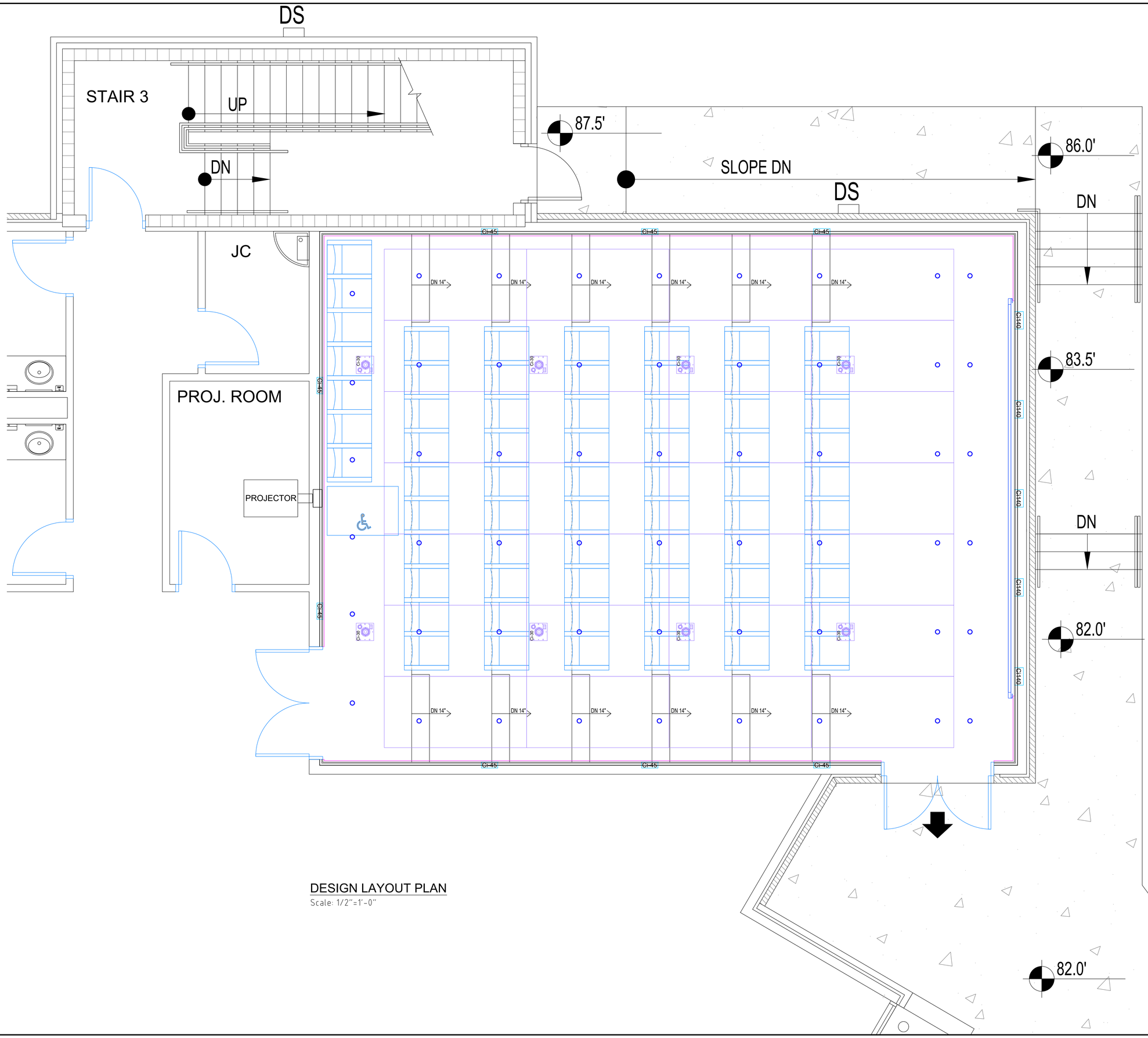
PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE

QF4.1

of

camacho



DESIGN LAYOUT PLAN

Scale: 1/2"=1'-0"

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LAKE WORTH, FL 33467
DIRECT 561.714.1388

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50% CD	4-15-25	ADA	CAREY S.
100% CD	7-18-25	ADA	CAREY S.

REVISIONS

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CRA PROJ.#: 24029
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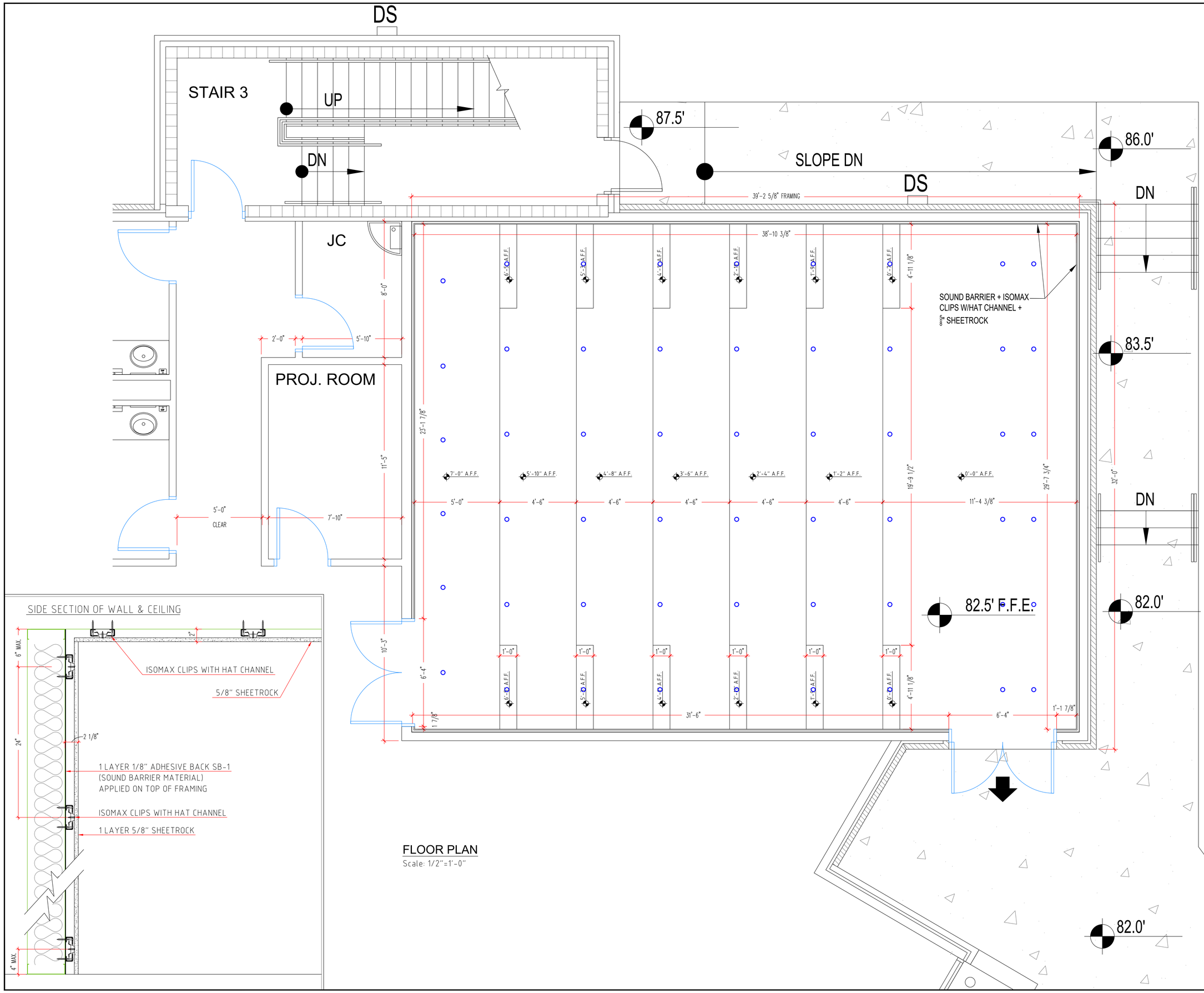
SHEET TITLE

T-1

of



SIDE SECTION OF WALL & CEILING

FLOOR PLAN

Scale: 1/2"=1'-0"

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SHEET TITLE

T-2

of

DS

STAIR 3

UP

DN

87.5'

SLOPE DN

DS

DIMENSIONS FROM DYWALL

86.0'

DN

JC

PROJ. ROOM

PROJECTOR

CEILING PANEL (TYP.)

3'-5 1/2"

8'-0"

8'-0"

8'-0"

8'-0"

3'-4 7/8"

9 7/8"

4'-0"

4'-0"

4'-0"

4'-0"

4'-0"

9 7/8"

Ci-45

Ci-45

Ci-45

Ci-45

Ci-45

Ci-45

Ci-45

Ci-45

Ci-45

Ci140

Ci140

Ci140

Ci140

Ci140

C-30

C-30

C-30

C-30

C-30

C-30

C-30

C-30

83.5'

DN

82.0'

82.0'

REFLECTED CEILING

Scale: 1/2"=1'-0"

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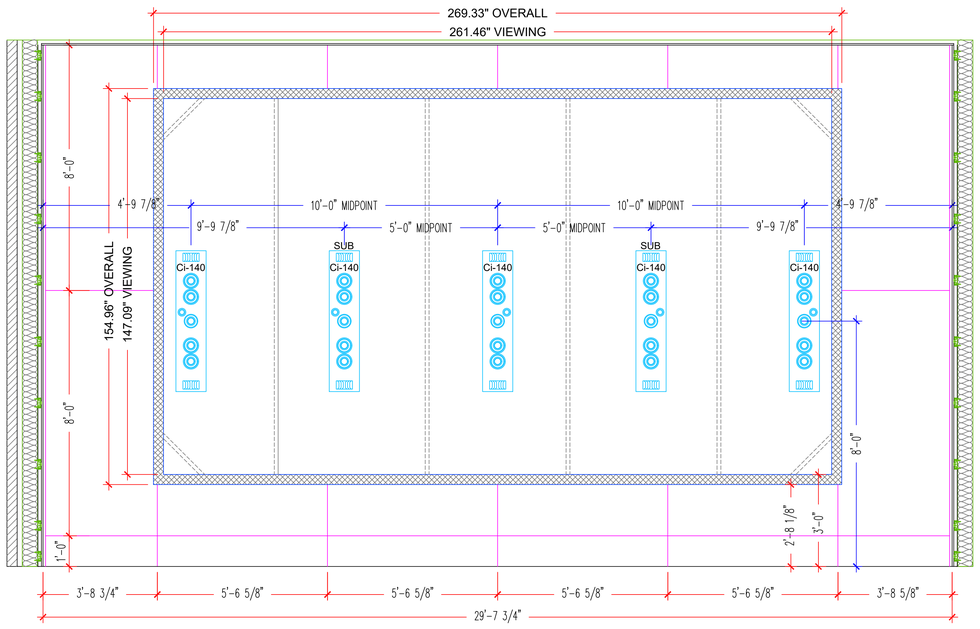
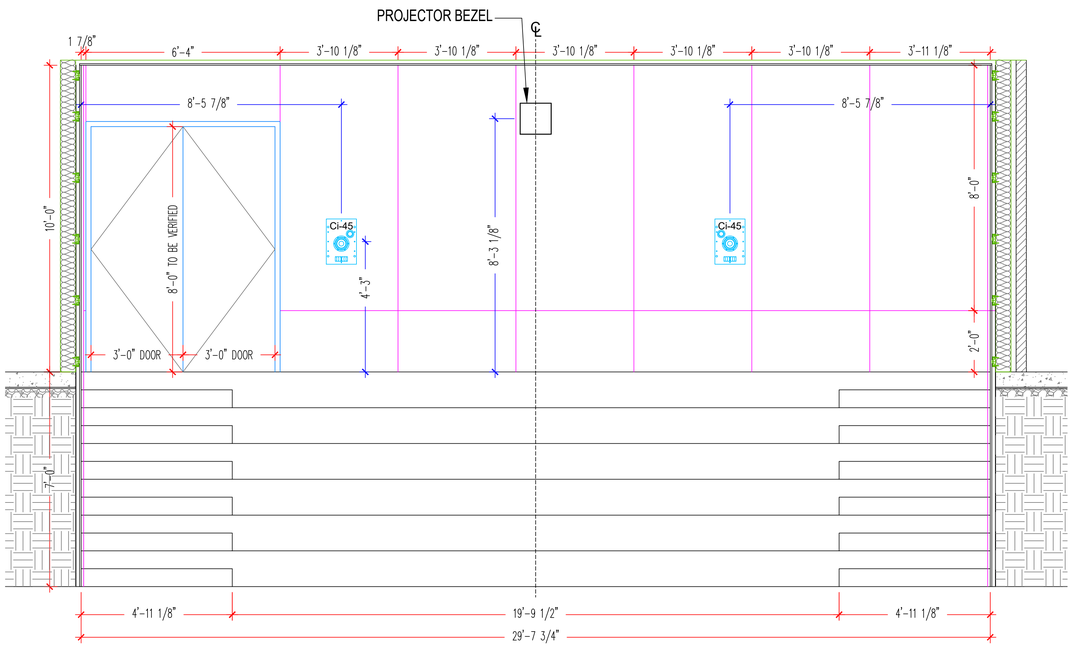
T-3

of



IE-1 FRONT WALL ELEVATION
Scale: 1/2"=1'-0"



IE-2 REAR WALL ELEVATION
Scale: 1/2"=1'-0"

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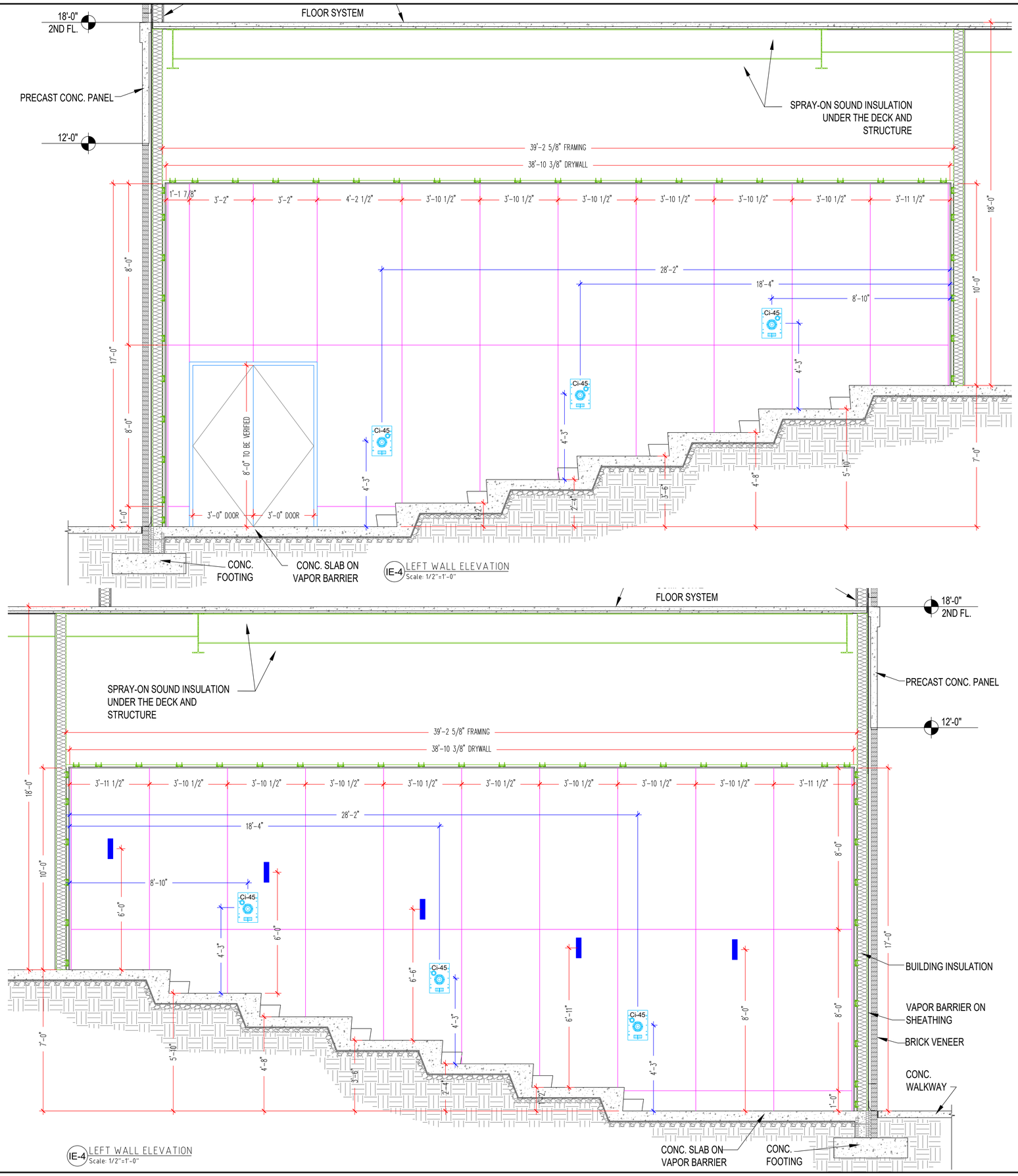
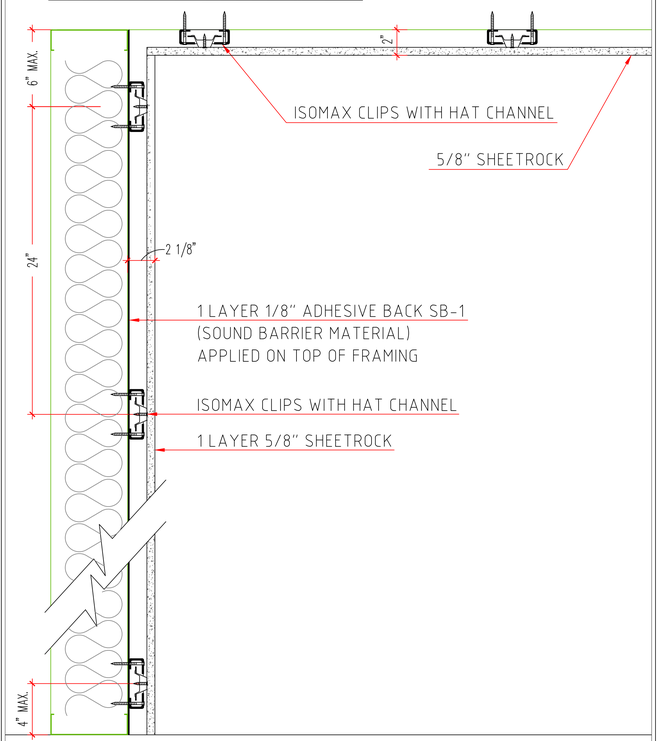
SHEET TITLE

T-4

of



SIDE SECTION OF WALL & CEILING



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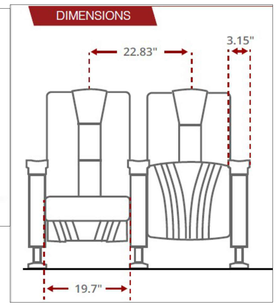
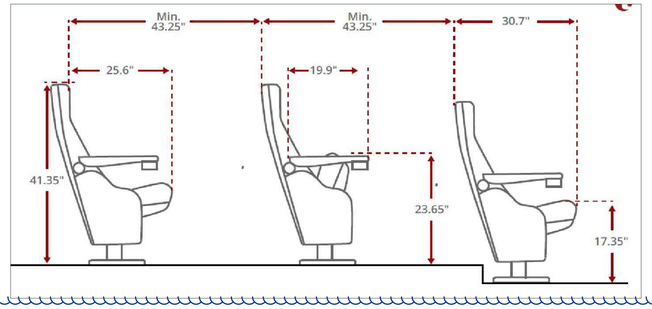
SHEET TITLE

T-5
of

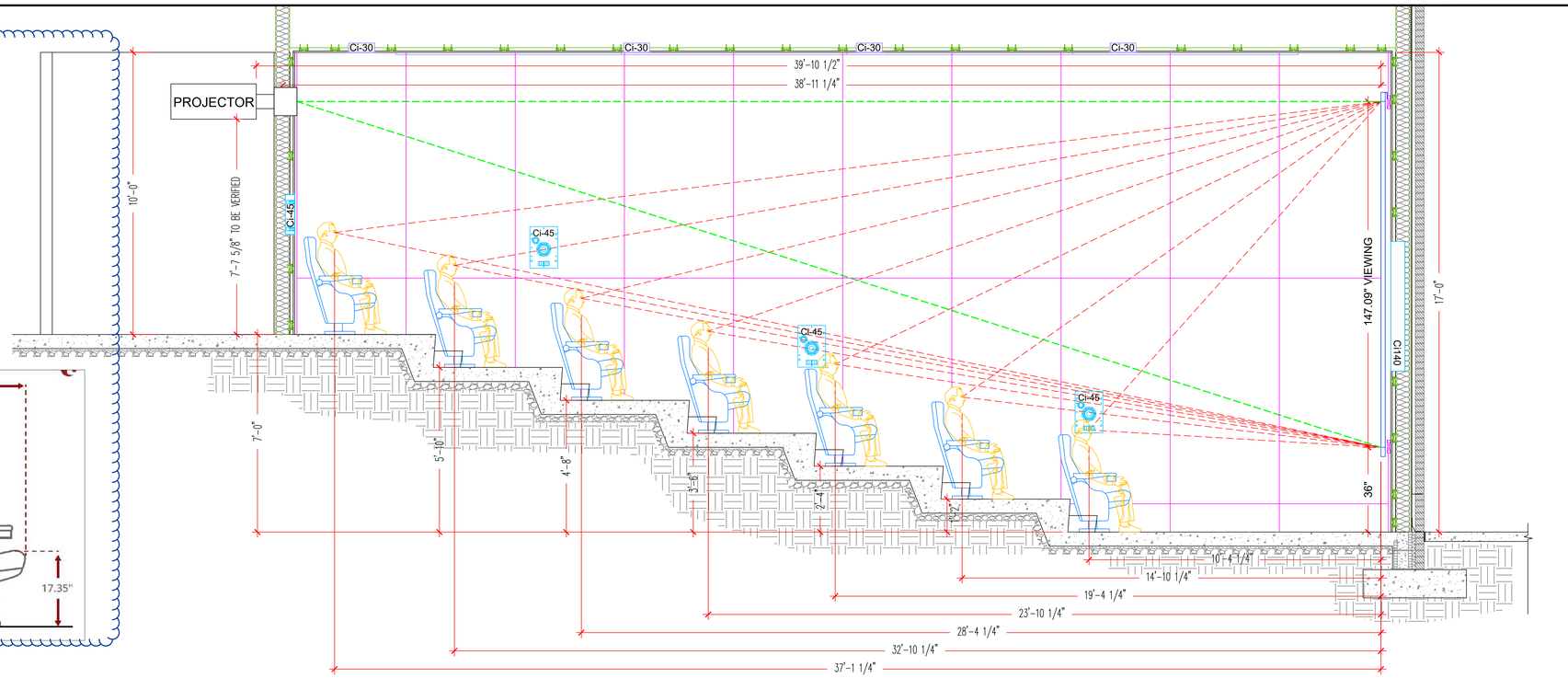
RFI PRE-BID-4

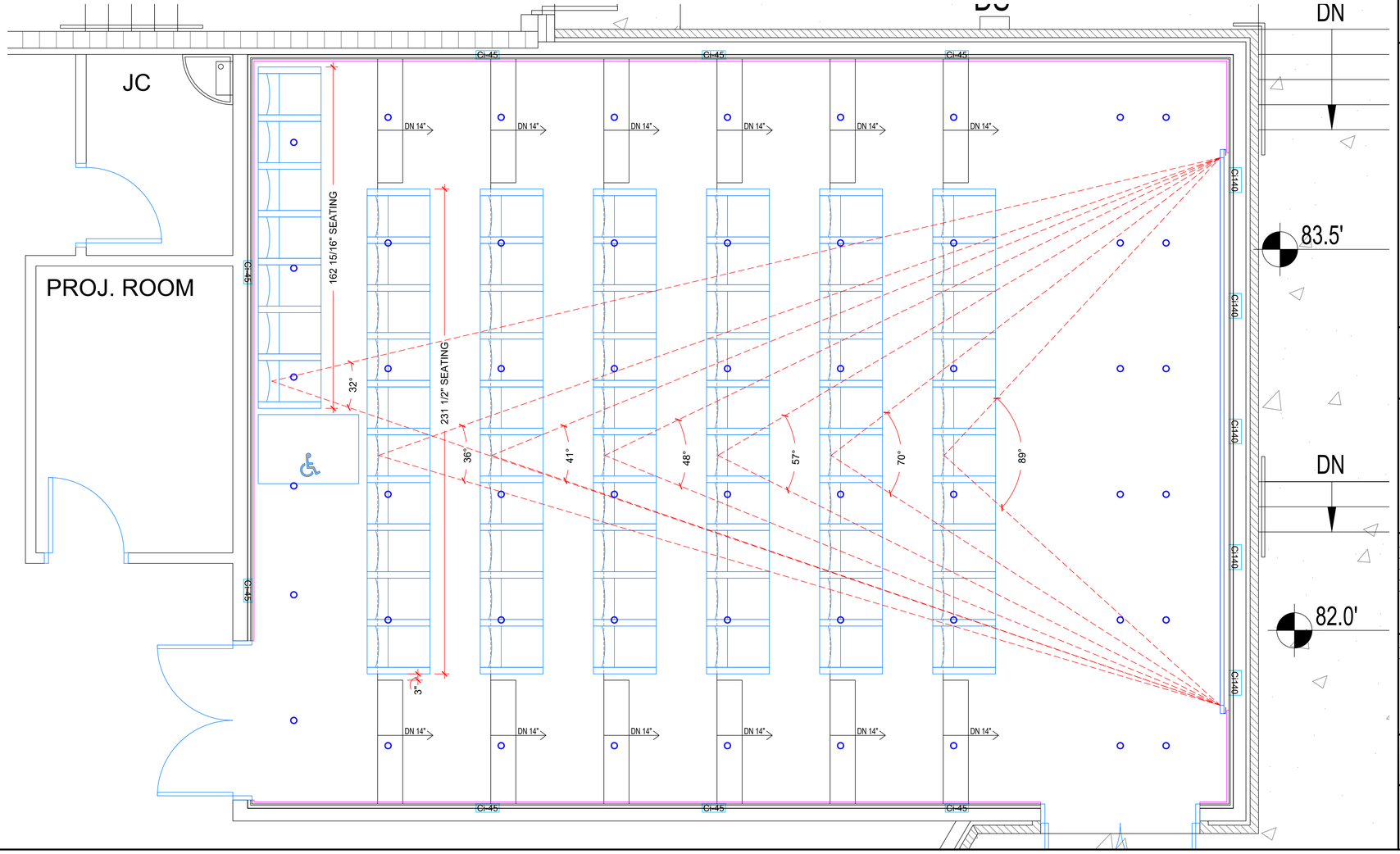
SEATING





DIMENSIONS FROM DYWALL





SIGHT LINE STUDY

Scale: 1/2"=1'-0"

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PHASE: CONSTRUCTION DOCUMENTS

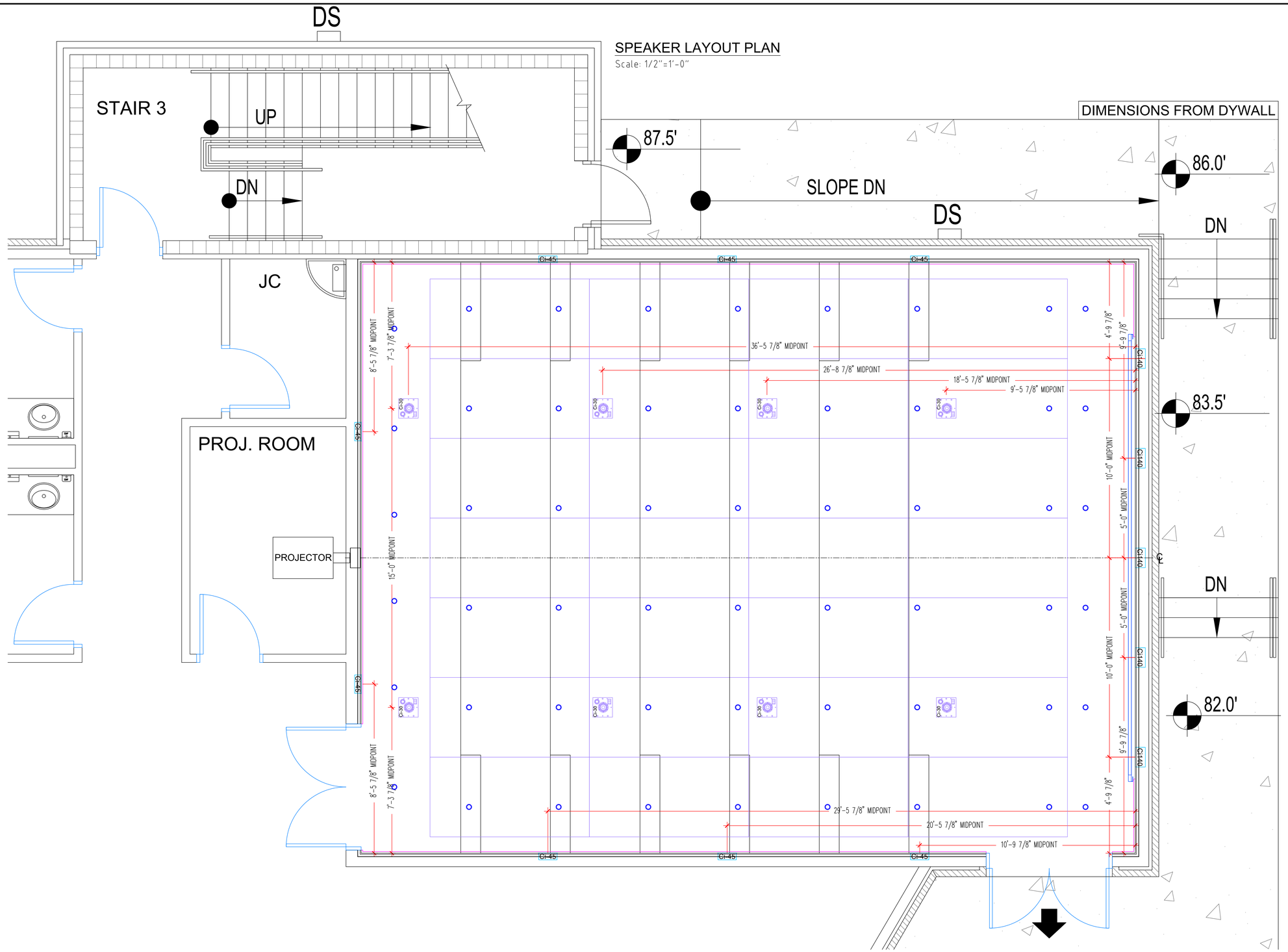
SHEET TITLE

T-6

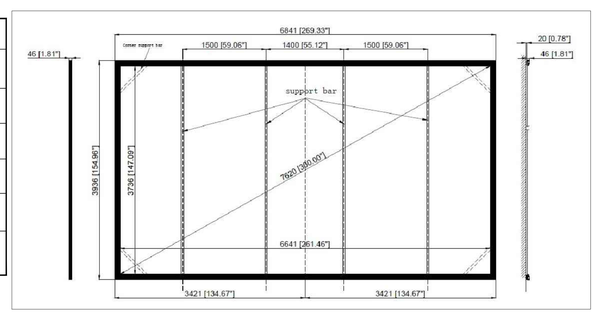
of

SPEAKER LAYOUT PLAN

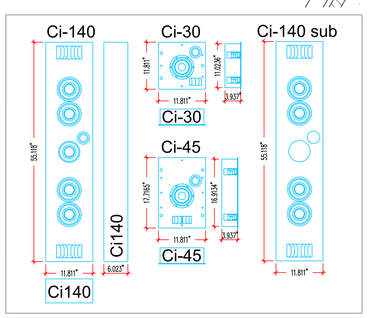
Scale: 1/2"=1'-0"



AV COMPONENTS
SCREEN: SEVERTSON CORP.
PROJECTOR: Christie Griffyn 4K35-RGB
FRONT SPEAKER: (3) PMC Ci140
SURROUND: (8) PMC Ci45
IN-CEILING: (8) PMC Ci30
SUBWOOFER: (2) PMC Ci140SUB



Christie Griffyn 4K35-RGB
Dimensions (without lens) 36.3"L x 25"W x 15"H
Weight 179 lbs



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REVISIONS		
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PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE

T-7

of

GENERAL NOTES

1. THE GOVERNING CODE FOR THIS PROJECT IS THE FLORIDA BUILDING CODE, 8th EDITION (2023). THIS CODE PRESCRIBES WHICH EDITION OF EACH REFERENCE STANDARD APPLIES TO THIS PROJECT. UNLESS OTHERWISE NOTED, ALL WORK AND MATERIALS SHALL CONFORM WITH THE BUILDING CODE AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL CODES, STANDARDS, REGULATIONS, AND LAWS.

2. THE CONTRACTOR SHALL COORDINATE ALL CONTRACT DOCUMENTS WITH FIELD CONDITIONS, DIMENSIONS, AND PROJECT SHOP DRAWINGS PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. USE ONLY PRINTED DIMENSIONS. REPORT ANY DISCREPANCIES OR FIELD CONDITIONS ENCOUNTERED IN CONFLICT WITH THE DRAWINGS IN WRITING TO THE ARCHITECT AND/OR ENGINEER PRIOR TO PROCEEDING WITH WORK. DO NOT CHANGE THE SIZE OR LOCATION OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE ARCHITECT OR ENGINEER OF RECORD.

3. THE STRUCTURE SHOWN ON THESE DRAWINGS IS SELF-SUPPORTING ONLY IN ITS COMPLETED FORM. THE DESIGN, ADEQUACY, SAFETY AND STABILITY OR ERECTION BRACING, FORMWORK, SHORING, AND TEMPORARY SUPPORTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4. DETAILS LABELED AS "TYPICAL" APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED, WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION.

5. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTY, HIS OWN WORK, AND THE GENERAL PUBLIC FROM HARM. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS AND METHODS, AND JOBSITE SAFETY INCLUDING ALL OSHA REQUIREMENTS. THE STRUCTURAL ENGINEER OF RECORD HAS NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION PERSONNEL RELATED TO THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS.

6. STRUCTURAL ELEMENTS LABELED AS "BY OTHERS" (LIGHT GAUGE FRAMING, PRECAST CONCRETE MEMBERS, CANOPIES, AWNINGS, ETC.) ARE DELEGATED DESIGN ITEMS TO BE DESIGNED BY OTHERS.

SHOP DRAWINGS

1. SHOP DRAWINGS ARE REQUIRED FOR THE FOLLOWING ITEMS, AT A MINIMUM:
   CONCRETE REINFORCING BARS
   CONCRETE MIX DESIGN
   CONCRETE SLAB JOINT PLAN
   PRECAST CONCRETE
   STRUCTURAL STEEL
   STEEL STAIR DRAWINGS
   LIGHT GAUGE METAL FRAMING
   GROUT MIX DESIGN
   MASONRY REINFORCING BARS
   SUB-GRADE AND FILL COMPACTION TEST RESULTS
   PRE-ENGINEERED WOOD TRUSSES
   PRE-ENGINEERED BAR JOIST TRUSSES
   METAL DECK

2. ALL SUBMISSIONS OF SHOP DRAWINGS FOR REVIEW SHALL BE MADE ELECTRONICALLY.

3. ALLOW TEN (10) WORKING DAYS FOR REVIEW OF EACH SHOP DRAWING COMMENCING THE NEXT WORKING DAY AFTER RECEIPT. CONTRACTOR SHALL PLAN SCHEDULE ACCORDINGLY TO ACCOMMODATE THIS REVIEW TIME.

4. SHOP DRAWINGS REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT, CORRECTIONS OR COMMENTS MADE ON THIS REVIEW DO NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS AND OMISSIONS, NOR FROM COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. CORRECTIONS OR COMMENTS DO NOT AUTHORIZE AN INCREASE IN THE CONSTRUCTION BUDGET.

5. REVIEW OF SHOP DRAWINGS DOES NOT CONSTITUTE ACCEPTANCE OF DEVIATIONS FROM CONTRACT DOCUMENTS OR PREVIOUS SHOP DRAWING REVIEW COMMENTS UNLESS SPECIFICALLY NOTED THEREIN BY THE ENGINEER OF RECORD.

6. CONTRACTOR RESPONSIBILITIES PRIOR TO SUBMITTING A SHOP DRAWING OR ANY RELATED MATERIAL TO THE ENGINEER:
   A. REVIEW EACH SUCH SUBMISSION FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS OF CONSTRUCTION, AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO WHICH ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
   B. REVIEW AND APPROVE EACH SET PRIOR TO SUBMISSION WHICH SHALL INCLUDE VERIFICATION OF ALL DIMENSIONS AND GENERAL CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.

7. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL CHANGES OR DELAYS CAUSED BY SUBMITTING INCOMPLETE SHOP DRAWINGS AND SHALL NOT BEGIN CONSTRUCTION OR FABRICATION WITHOUT RECEIPT OF REVIEWED SHOP DRAWINGS.

SUPERIMPOSED DESIGN LOADS

1.	ROOF	= 20 PSF LIVE / 20 PSF DEAD
2.	MUSEUM/DISPLAY	= 100 PSF LIVE / 25 PSF DEAD
3.	1st FLOOR CORRIDORS	= 100 PSF LIVE / 25 PSF DEAD
4.	2nd FLOOR CORRIDORS	= 100 PSF LIVE / 25 PSF DEAD
5.	LIBRARY	= 150 PSF LIVE / 25 PSF DEAD
6.	STAIRS AND LANDINGS	= 100 PSF LIVE / 25 PSF DEAD
7.	GUARDRAILS	
	A. TOP RAIL	= 200 LBS OR 50 PLF IN ANY DIRECTION (NON-CONCURRENT)
	B. INTERMEDIATE RAIL	= 50 LBS OVER 12" x 12" AREA

EARTHWORK FOR STRUCTURES

1. FOUNDATION DESIGN, SOIL PREPARATION AND COMPACTION ARE BASED ON GEOTECHNICAL INVESTIGATION, DATA AND RECOMMENDATIONS IN FILE NO. T24-399 BY SOUTHERN EARTH SCIENCES DATED MARCH 21, 2024. ALL FOOTINGS SHALL BEAR ON COMPACTED FILL OR NATURAL SOIL STRENGTHENED UTILIZING RAMMED AGGREGATE PIERS PER THE GEOTECHNICAL REPORT TO PROVIDE AN ALLOWABLE SOIL BEARING CAPACITY OF 5,000 PSF.

2. UNLESS NOTED OTHERWISE IN THE GEOTECHNICAL REPORT, ALL SOIL BELOW SLABS ON GRADE AND FOOTINGS SHALL BE COMPACTED TO A DEPTH OF 12 INCHES AT OPTIMUM MOISTURE CONTENT TO 95% OF THE MODIFIED PROCTOR, ASTM D1557. FILL SHALL BE PLACED AND COMPACTED IN LIFTS NO GREATER THAN 12 INCHES.

3. PROVIDE DENSITY TESTS IN COMPACTED SUBGRADE AND FOR EACH LIFT OF FILL AS FOLLOWS:
   A. FOR EACH 3,000 SQ FT OF BUILDING AREA
   B. FOR EVERY 300 LINEAR FT OF STRIP FOOTING OR GRADE BEAM
   C. FOR EVERY THIRD COLUMN FOOTING

4. SUB-GRADE PREPARATION SHALL BE FIELD CONTROLLED AND TESTED BY A LICENSED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. AT COMPLETION, THAT ENGINEER SHALL PREPARE AND SUBMIT TO THE OWNER, ARCHITECT, CONTRACTOR, AND STRUCTURAL ENGINEER A SIGNED AND SEALED LETTER INDICATING THAT THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT HAVE BEEN FOLLOWED.

5. THE CONTRACTOR SHALL PROVIDE TEST PITS AT THE GEOTECHNICAL ENGINEER'S RECOMMENDATION AND UNDERCUT ALL PLASTIC CLAYS WITHIN 24 INCHES OF THE BOTTOM OF ALL FOOTINGS, SLABS ON GRADE, OR PAVEMENTS. UNDERCUT MATERIAL SHALL BE REPLACED WITH COURSE GRAINED APPROVED FILL OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER OF RECORD.

SLAB ON GRADE

1. REFER TO GEOTECHNICAL REPORT FOR SUB-GRADE PREPARATION MORE THAN 12 INCHES BELOW BOTTOM OF SLAB.

2. ABOVE SUB-GRADE, USE FILL CONTAINING NOT MORE THAN 12% PASSING #200 SIEVE AND MAXIMUM 1"Ø. COMPACT TO A DENSITY OF 95% OF THE MAXIMUM DRY DENSITY THROUGHOUT ITS FULL DEPTH AS DETERMINED BY MODIFIED PROCTOR ASTM D-1557.

3. ALL INTERIOR AND EXTERIOR SLABS ON GRADE SHALL BE A MINIMUM OF 4 INCHES THICK REINFORCED WITH 6x6 W1.4 x W1.4 WELDED WIRE MESH PLACED ON 6 MIL POLYETHYLENE SHEETING, UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DOCUMENTS.

4. UNLESS OTHERWISE NOTED IN THE PLANS, PROVIDE CRACK CONTROL JOINTS AT 15 FEET MAXIMUM TO LIMIT AREAS BETWEEN JOINTS TO 225 SQUARE FEET IN ALL SLABS ON GRADE. LOCATE TO CONFORM TO BAY SPACING WHENEVER POSSIBLE. ADD CRACK CONTROL JOINTS AT RE-ENTRANT CORNERS WHICH TEND TO INVITE CRACKS.

5. IN SIDEWALKS AND WALKWAYS, LOCATE ISOLATION JOINTS AT 20 FEET ON CENTER, MAXIMUM. SCORE AND TOOL BETWEEN ISOLATION JOINTS IN EQUAL BAYS OF 5 FEET OR LESS.

6. SEE THE ARCHITECTURAL DRAWINGS FOR SLAB ON GRADE DEPRESSIONS AND OTHER REQUIREMENTS.

FORMWORK

1. DESIGN, ERECTION AND REMOVAL OF FORMWORK, AND SHORING AND RESHORING IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

2. CONSTRUCTION, ERECTION, AND REMOVAL OF FORMWORK SHALL BE IN ACCORDANCE WITH ACI 301 AND 347.

REINFORCEMENT

1. ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE BILLET STEEL CONFORMING TO ASTM A615, GRADE 60, WITH THE FOLLOWING MINIMUM SPLICE LENGTH.
   A. CONCRETE REINFORCEMENT = SEE PROVIDED LAP SCHEDULE
   B. MASONRY REINFORCEMENT = 48 BAR DIAMETERS U.N.O.

2. PROVIDE ADDITIONAL HORIZONTAL CORNER BARS TO MATCH MAIN HORIZONTAL REINFORCING STEEL AT ALL BEAMS, OR WALL INTERSECTIONS, CORNERS AND OTHER CONCRETE DIRECTIONAL CHANGES, INCLUDING FOOTINGS.

3. ALL BENDS, AND 90° AND 180° HOOKED BARS SHALL BE FABRICATED IN ACCORDANCE WITH ACI AND AS INDICATED IN THE STANDARD DETAILS.

4. REINFORCING SHALL BE ACCURATELY PLACED, RIGIDLY SUPPORTED AND FIRMLY TIED IN PLACE, WITH APPROPRIATE BAR SUPPORTS AND SPACERS.

   WHERE SPECIFIED, PROVIDE PLAIN, COLD-DRAWN ELECTRICALLY-WELDED WIRE REINFORCEMENT CONFORMING TO ASTM A 1064. SUPPLY IN FLAT SHEETS ONLY. LAP SPLICE TWO CROSS WIRES PLUS TWO INCHES.

CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL COMPLY WITH ACI 301 AND 318 AND CRSI STANDARDS.

2. STRUCTURAL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE DESIGN STRENGTH (FC') IN 28 DAYS OF:

FOUNDATIONS	3,000 PSI	NW
SLAB ON GRADE	3,000 PSI	NW
RETAINING WALL	4,000 PSI	NW
ELEVATED DECK	4,000 PSI	LW

3. ALL CONCRETE SHALL BE NORMAL WEIGHT (NW), U.O.N. WITH A DESIGN UNIT WEIGHT OF 145 PCF.

4. LIGHT WEIGHT CONCRETE (LW) SHALL HAVE A MAXIMUM UNIT WEIGHT OF 120 PCF, U.O.N.

5. CONTRACTOR SHALL MAKE SETS OF FOUR ACCEPTANCE CYLINDERS FOR STRENGTH TESTING FOR EACH 50 CUBIC YARDS OF CONCRETE PLACED. CYLINDERS SHALL BE MADE IN ACCORDANCE WITH ASTM C31 AND C172. TESTING SHALL BE PERFORMED BY AN ACI CERTIFIED TESTING LABORATORY AND SHALL BE PAID FOR BY THE CONTRACTOR. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND/OR STRUCTURAL ENGINEER OF ANY TEST NOT MEETING THE REQUIREMENTS OF THE SPECIFIED TESTS. COPIES OF REPORTS DOCUMENTING THE TEST RESULTS SHALL BE MAINTAINED BY THE CONTRACTOR AND MADE AVAILABLE UPON REQUEST.

6. PROVIDE COVER OVER REINFORCING STEEL AS FOLLOWS:

CAST AGAINST & EXPOSED TO EARTH/WEATHER	3"
EXPOSED TO EARTH/WEATHER	
#6 THROUGH #18 REBAR	2"
#5 REBAR, W31/D31 WIRE OR SMALLER	1-1/2"
NOT EXPOSED TO EARTH/WEATHER	
SLABS, WALLS, JOISTS	
#14 AND #18 REBAR	1-1/2"
#11 REBAR AND SMALLER	3/4"
BEAMS AND COLUMNS	
REINF, TIES, STIRRUPS, SPIRALS	1-1/2"

7. CURE ALL CONCRETE SURFACES FOR A PERIOD OF SEVEN DAYS UNTIL AVERAGE COMPRESSIVE STRENGTH HAS REACHED 70% OF THE SPECIFIED 28 DAY STRENGTH. CURING SHALL BE BY PONDING, MOIST CURING WITH SAND OR ABSORPTIVE MATS KEPT CONTINUOUSLY WET, CONTINUOUS APPLICATION OF STEAM (NOT EXCEEDING 105° F) OR MIST SPRAY, WATERPROOF CURING PAPER, OR LIQUID MEMBRANE FORMING CURING COMPOUND. SELECTION OF CURING METHOD SHALL BE COMPATIBLE WITH THE FINISH TO BE APPLIED TO THE CONCRETE SURFACE.

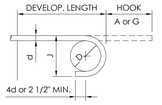
8. IN WALL CONSTRUCTION, CONCRETE SHALL BE PLACED IN A CONTINUOUS OPERATION IN LIFTS NOT TO EXCEED FOUR FEET. EACH LIFT SHALL BE CONSOLIDATED BY INTERNAL VIBRATION PRIOR TO CONTINUING TO THE NEXT LIFT. CONCRETE SHALL BE PLACED THROUGH VERTICAL, FLEXIBLE TRUNKS OR SHOOTS THAT CAN EXTEND TO THE BOTTOM OF THE FORMS. THE TRUNK SHALL BE LIFTED AS THE CONCRETE RISES. THE CONCRETE SHALL NOT FREE FALL.

9. WHERE REINFORCING STEEL CONGESTION PERMITS, CONDUIT AND PIPES UP TO ONE INCH DIAMETER MAY BE EMBEDDED IN CONCRETE PER ACI 318, SECTION 6.3. SPACE AT THREE DIAMETERS ON CENTER. PLACE BETWEEN OUTER LAYERS OF REINFORCING IF CONDUITS ARE SIGNIFICANTLY CONGESTED. ADDITIONAL REINFORCING PERPENDICULAR TO PIPING MAY BE REQUIRED. REQUESTS TO EMBED LARGER PIPES SHOULD BE ACCOMPANIED BY A DETAILED DESCRIPTION AND BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR EVALUATION.

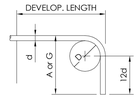
REBAR LAP SPLICE LENGTHS

BAR SIZE	f'c = 3,000 PSI		f'c = 4,000 PSI		f'c = 5,000 PSI	
	CLASS A	CLASS B	CLASS A	CLASS B	CLASS A	CLASS B
#3	16"	21"	14"	18"	13"	17"
#4	22"	28"	19"	25"	17"	22"
#5	27"	36"	24"	31"	21"	28"
#6	33"	43"	28"	37"	25"	33"
#7	48"	62"	42"	54"	37"	48"
#8	55"	71"	47"	62"	42"	55"
#9	62"	80"	54"	70"	48"	62"
#10	70"	90"	60"	78"	54"	70"
#11	77"	100"	67"	87"	60"	78"

REBAR LAP SPLICE NOTES:
1. CLASS B SPLICES SHALL BE PROVIDED FOR ALL COLUMN REINFORCEMENT STEEL.
2. CLASS A SPLICES ARE ALLOWEED FOR CONTINUOUS REINFORCING STEEL IF NO MORE THAN 50% OF STEEL IS LAPPED AT THE SAME LOCATION.



180° HOOK



90° HOOK

BAR SIZE	STD. HOOK DIMENSIONS			DEVELOP. LENGTHS		
	PIN DIAM. D	180° HOOK		90° HK	CONC. COMP. STRENGTH	
		A or G	J	A or G	3,000 PSI	4,000 PSI	5,000 PSI
#3	2 1/4"	0'-5"	0'-3"	0'-6"	6"	6"	6"
#4	3"	0'-6"	0'-4"	0'-8"	8"	7"	6"
#5	3 3/4"	0'-7"	0'-5"	0'-10"	10"	9"	8"
#6	4 1/2"	0'-8"	0'-6"	1'-0"	12"	10"	9"
#7	5 1/4"	0'-10"	0'-7"	1'-2"	14"	12"	11"
#8	6"	0'-11"	0'-8"	1'-4"	16"	14"	12"
#9	9 1/2"	1'-3"	0'-11 3/4"	1'-8"	18"	15"	14"
#10	10 3/4"	1'-5"	1'-1 1/4"	1'-10"	20"	17"	15"
#11	12"	1'-7"	1'-2 3/4"	2'-1"	22"	19"	17"

REBAR STANDARDS HOOK NOTES:
1. D = FINISHED BEND DIAMETERS
2. REFER TO ACI 315 FOR ALTERNATE BEND PATTERNS DIMENSIONS AND REQUIREMENTS/
3. ASTM A767 REQUIRES THAT BARS BENT COLD PRIOR TO HOT DIP GALVANIZING MUST BE FABRICATED TO A MINIMUM BEND DIAMETER EQUAL TO 7 INCHES OR #7 BAR AND 8 INCHES FOR #8 BAR.

STRUCTURAL STEEL

1. FABRICATE AND ERECT STRUCTURAL STEEL IN CONFORMANCE W/ AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", WITH COMMENTARY, AND ALL OSHA REQUIREMENTS.

2. STRUCTURAL STEEL SHAPES SHALL BE FABRICATED FROM THE FOLLOWING MATERIALS:

A.	ROLLED W AND WT SHAPES:	ASTM A992, GRADE 50
B.	ROLLED M, S, C AND MC SHAPES AND ANGLES:	ASTM A36, Fy=36 KSI
C.	PLATES AND BARS:	ASTM A36, Fy=36 KSI
D.	STEEL PIPE:	ASTM A53, GRADE B, Fy=35 KSI
E.	COLD-FORMED HOLLOW STRUCTURAL SECTIONS (HSS):	
	SQUARE AND RECTANGULAR SECTIONS;	ASTM A500, GRADE C, Fy=50 KSI
	ROUND SECTIONS;	ASTM A500, GRADE C, Fy=46 KSI

3. ALL SHOP AND FIELD WELDING SHALL CONFORM TO THE AWS D1.1 STRUCTURAL WELDING CODE BY THE AMERICAN WELDING SOCIETY. USE E70 SERIES WELDING ELECTRODES, U.O.N. WHERE NECESSARY, REMOVE GALVANIZING OR PRIMER PRIOR TO WELDING.

4. ALL ANCHOR BOLTS SHALL BE ASTM F1554-55, U.N.O.

5. A325 BOLTS SHALL COMPLY WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING: ASTM A325 OR A490 BOLTS", INCLUDING COMMENTARY.

6. TYPICAL BOLTS USED IN STRUCTURAL CONNECTIONS FOR THIS PROJECT ARE 3/4 INCH DIAMETER, U.O.N.

7. TIGHTEN BEARING-TYPE BOLTS (A-325N) TO THE SNUG TIGHT CONDITION AS FOLLOWS:

   A. BOLTS SHALL BE PLACED IN ALL HOLES, WITH WASHERS POSITIONED AS REQUIRED AND NUTS THREADED TO COMPLETE THE ASSEMBLY.
   B. COMPACTING THE JOINT TO THE SNUG-TIGHT CONDITION SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT.
   C. THE SNUG-TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH.
   D. MORE THAN ONE CYCLE THROUGH THE BOLT PATTERN MAY BE REQUIRED TO ACHIEVE THE SNUG-TIGHTENED JOINT.
   E. PROVIDE HARDENED WASHERS CONFORMING TO ASTM F436 AND PLACE UNDER THE PART BEING TURNED.
   F. DO NOT REUSE OR RE-TIGHTEN BOLTS WHICH HAVE BEEN FULLY TIGHTENED. USE ONLY NON-GALVANIZED NUTS AND BOLTS THAT ARE CLEAN, RUST-FREE, AND WELL LUBRICATED. BOLTS AND NUTS SHALL BE WAX DIPPED BY THE BOLT SUPPLIER.
   G. STORE FASTENER COMPONENTS TO PREVENT CONTAMINATION BY MOISTURE OR OTHER DELETERIOUS SUBSTANCES. FASTENERS FROM OPEN CONTAINERS AND FASTENERS THAT ACCUMULATE RUST OR DIRT SHALL NOT BE USED AND SHALL BE IMMEDIATELY AND PERMANENTLY REMOVED FROM THE PROJECT SITE.

8. ALL FULL PENETRATION WELDS SHALL BE TESTED USING ULTRASONIC (UT) OR RADIOGRAPHIC (RT) METHODS. SUBMITTED COMPLETED TESTING CERTIFICATES TO PROVE CONFORMANCE.

9. SHOP AND FIELD PAINT:
   A. PRIMER: FABRICATOR'S STANDARD LEAD AND CHROMATE FREE, NON-ASPHALTIC, RUST INHIBITING PRIMER CONFORMING TO SSPC-PAINT 2, TYPE II.
   B. SURFACE PREPARATION: CLEAN SURFACES TO BE PRIMED TO REMOVE LOOSE RUST AND MILL SCALE USING SSPC-SP 2, "HAND TOOL CLEANING" AND SSPC-SP 3 "POWER TOOL CLEANING".
   C. IMMEDIATELY AFTER SURFACE PREPARATION, APPLY PRIMER TO PROVIDE A DRY THICKNESS OF NOT LESS THEN 1.5 MILS.
   D. TOUCHUP: RE-CLEAN AND REPAINT ALL PRIMER DAMAGED BY THE ERECTION OR CONSTRUCTION PROCESS.

STRUCTURAL STEEL

10. HOT DIPPED GALVANIZATION:
    A. AFTER FABRICATION, ALL INDICATED STRUCTURAL MEMBERS SHALL BE GALVANIZED PER ASTM A123 TO A MINIMUM COATING THICKNESS OF 3.9 MILS.
    B. FIELD DRILLING, CUTTING, WELDING OR OTHER DAMAGING ADJUSTMENTS SHALL NOT BE PERMITTED AFTER GALVANIZATION WITHOUT APPROVAL OF THE EOR.
    C. TOUCH UP ANY DAMAGE TO GALVANIZED SURFACES WITH TWO COATS OF ZINC-BASED TOUCH UP COATING: ZRC COLD GALVANIZING COMPOUND, MANUFACTURED BY ZRC WORLDWIDE OR APPROVED ALTERNATIVE.

11. SEITING BASE AND BEARING PLATES:
    A. CLEAN CONCRETE BEARING SURFACE OF BOND-REDUCING MATERIALS AND CLEAN BOTTOM OF BASE PLATE.
    B. SET BASE OR BEARING PLATE ON WEDGE OR OTHER ADJUSTING DEVICES AS REQUIRED.
    C. TIGHTEN ANCHOR RODS AFTER STRUCTURAL STEEL FRAME HAS BEEN PLUMBED. DO NOT REMOVE WEDGES OR SHIMS BUT, IF PROTRUDING, CUT OFF FLUSH WITH EDGE OF BASE OR BEARING PLATE PRIOR TO PACKING WITH GROUT.
    D. PACK OR POUR NON-SHRINK GROUT SOLIDLY BETWEEN BEARING SURFACE AND BASE OR BEARING PLATE. ENSURE THAT NO VOIDS REMAIN. FINISH EXPOSED SURFACES, PROTECT GROUT AND ALLOW TO CURE.
    E. NON-SHRINK GROUT SHALL BE NONMETALLIC SHRINKAGE RESISTANT GROUT CONFORMING TO ASTM C1107.
    F. FOR PROPRIETARY GROUT MATERIALS, COMPLY WITH MANUFACTURER'S INSTRUCTIONS.
    G. BASE PLATES MUST BE GROUTED A MINIMUM OF 72 HOURS PRIOR TO PLACING CONCRETE SLABS ON SUPPORTING STEEL STRUCTURE.

12. CUT, DRILL, OR PUNCH HOLES PERPENDICULAR TO METAL SURFACES. REAM HOLES THAT MUST BE ENLARGED TO ADMIT BOLTS AS PERMITTED BY ARCHITECT. DO NOT ENLARGE UNFAIR HOLES BY BURNING OR USING DRIFT PINS.

OPEN WEB STEEL JOISTS:

1. DESIGN, MANUFACTURE, AND ERECTION OF OPEN WEB STEEL JOISTS SHALL BE PER THE STEEL JOIST INSTITUTE'S SPECIFICATIONS, LATEST EDITION.

2. ALL STEEL JOISTS SHALL BE SHOP COATED WITH A PRIMER COAT AND PAINTED PER PAINTING REQUIREMENTS IN THE PLANS AND SPECIFICATIONS.

3. EACH JOIST SHALL BE LATERALLY BRACED IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE (SJI) REQUIREMENTS BEFORE NEXT JOISTS IS ERECTED AND BEFORE ANY LOAD IS APPLIED.

4. THE JOISTS SHALL BE DESIGNED FOR THE NET UPLIFT INDICATED IN THE STRUCTURAL NOTES BRIDGING SHALL BE MADE AT PANEL POINTS OF JOISTS, MINIMUM BRIDGING SIZE SHALL BE L1 1/4x1 1/4x1/8 UNLESS LARGER IS REQUIRED BY SJI SPECIFICATIONS AND SHALL CONFORM TO CURRENT OSHA REQUIREMENTS.

5. ANY CONCENTRATED LOADING EXCEEDING 50 POUNDS SHALL BE SUSPENDED FROM PANEL POINTS OF STEEL JOISTS. SEE JOIST REINFORCEMENT DETAILS FOR REQUIREMENTS WHEN LOADING EXCEEDS 50 POUNDS ON THE TOP OR BOTTOM CHORDS.

6. JOIST SEATS SHALL HAVE THE CAPACITY TO RESIST A LATERAL LOAD APPLIED TO THE TOP CHORD, PERPENDICULAR TO THE SPAN (ROLLOVER). PROVIDE A MINIMUM ROLLOVER FORCE OF 2,000 POUNDS FOR SEATS UP TO 21/2 INCHES DEEP AND 1,200 POUNDS FOR SEAT OVER 31/2 INCHES DEEP.

COLD FORMED STEEL FRAMING

1. ALL COLD-FORMED STEEL FRAMING SHALL CONFORM TO ASTM A1003 AND BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE (AISI).

2. COLD-FORMED STEEL FRAMING SHOWN SHALL HAVE THE FOLLOWING MINIMUM MATERIAL PROPERTIES:
   A. 16 GAUGE (54 MIL) AND THICKER SHALL HAVE A MINIMUM YIELD STRESS OF Fy = 50 KSI AND A TENSILE STRENGTH OF Fu = 65 KSI.
   B. 18 GAUGE (43 MIL) AND THINNER SHALL HAVE A MINIMUM YIELD STRESS OF Fy = 33 KSI AND A TENSILE STRENGTH OF Fu = 45 KSI.

3. USE GALVANIZED (G60) STEEL "C" STUDS, TRACKS, ANGLES AND STRAPS AS SHOWN ON DRAWINGS. ALL STUDS SHALL HAVE A MINIMUM FLANGE WIDTH OF 1-5/8 INCH WITH A 1/2 INCH RETURN LIP. TRACKS SHALL BE A MINIMUM OF THE SAME GAUGE AS STUDS WITH MINIMUM OF 1-1/4 INCH LEG.

4. MAXIMUM SPACING OF LATERAL BRIDGING FOR COLD-FORMED STEEL STUDS SHALL BE 4 FEET FOR SPANS GREATER THAN 10 FEET AND MIDSPAN FOR SHORTER SPANS. LATERAL BRIDGING SHALL ALSO BE PROVIDED AT FREE ENDS OF CANTILEVERED PARAPETS AND NEAR THE SUPPORTS OF CONTINUOUS SPANS.

5. STUDS SHALL BE FREE OF KINKS AND TWISTS AND SHALL BE SECURELY SEATED FOR FULL END BEARING ON TOP AND BOTTOM TRACK.

6. UNLESS INDICATED OTHERWISE, PROVIDE DOUBLE STUDS AT ALL JAMBS, CORNERS AND INTERSECTIONS.

7. LIGHT GAUGE FRAMING (LGF) SHALL BE CONNECTED, AT A MINIMUM, AS FOLLOWS:
   A. LGF TO STEEL:
      TRACKS - 1 PAF @ 12" O.C. STAGGERED
      CLIPS - 2 PAF
   B. LGF TO CONCRETE:
      TRACKS - 1 PAF @ 12" O.C. STAGGERED
      CLIPS - 2 PAF
   C. LGF TO LGF:
      TRACKS - #10 TO EACH FLANGE
      CLIPS/STUD - 4 #10

8. SCREWS, WHERE REQUIRED, SHALL MEET THE MINIMUM REQUIREMENTS OF SAE J-429 GRADE 5 AND IFI-105. SCREWS SHALL HAVE A PROTECTIVE COATING EQUIVALENT TO CADMIUM OR ZINC PLATING, ASTM B766.

9. POWDER ACTUATED FASTENERS (PAF) SHALL BE HILTI X-U KNURLED SHANK FASTENERS (WITH A MINIMUM SHANK DIAMETER OF 0.157 INCHES) OR APPROVED EQUAL. A MINIMUM EMBEDMENT OF 1 INCH SHALL BE PROVIDED FOR ALL CONCRETE CONNECTIONS.

10. 3/16 INCH TAPCONS WITH A MINIMUM EMBEDMENT OF 11/2 INCH MAY BE USED IN LIEU OF THE SPECIFIED PAF FOR CONNECTIONS OF LIGHT GAUGE FRAMING TO CONCRETE AT THE SPACINGS SHOWN ABOVE OR IN THE DETAILS FOR PAF.

11. #12 SELF TAPPING SCREWS MAY BE USED IN LIEU OF THE SPECIFIED PAF FOR CONNECTIONS OF LIGHT GAUGE FRAMING TO STEEL AT THE SPACINGS SHOWN ABOVE FOR PAF IF THE THICKNESS OF THE STRUCTURAL STEEL ALLOWS FOR PROPER INSTALLATION.

12. FIELD CUTTING OF LIGHT GAUGE FRAMING MEMBERS SHALL BE BY SAW OR SHEAR. TORCH CUTTING IS NOT PERMITTED.

13. SPLICING OF FRAMING COMPONENTS, OTHER THAN THE CONTINUOUS TRACK AT THE TOP AND BOTTOM OF WALLS, IS NOT PERMITTED, U.O.N. SPLICING OF TRACK USED IN THE CONSTRUCTION OF THE JAMB, HEAD OR SILL ASSEMBLIES OF FRAMED WALL OPENINGS IS NOT PERMITTED. WHERE SPLICING OF TRACK IS NECESSARY BETWEEN STUD SPACINGS, A SECTION OF STUD SHALL BE PLACED IN THE ADJOINING TRACKS ACROSS THE JOINT AND FASTENED TO THE FLANGES AT BOTH SIDES OF THE WALL.

CONCRETE MASONRY

1. CONCRETE MASONRY MATERIALS AND CONSTRUCTION SHALL CONFORM WITH TMS 402-16, BUILDING CODE FOR MASONRY STRUCTURES.

2. COMPRESSIVE STRENGTH OF MASONRY SHALL BE DETERMINED BY THE UNIT STRENGTH METHOD AS SET FORTH IN ACI 530.1. THE NET AREA COMPRESSIVE STRENGTH OF MASONRY (F'm) SHALL BE A MINIMUM OF 1,500 PSI AT 28 DAYS.

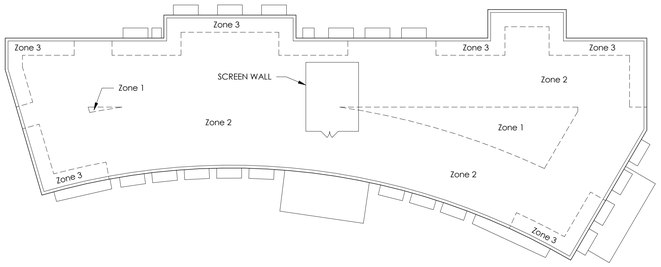
3. USE 50% SOLID CONCRETE MASONRY UNITS CONFORMING TO ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 1,900 PSI AT 28 DAYS.

4. USE TYPE S MORTAR IN ACCORDANCE WITH ASTM C270 EXCEPT USE TYPE M MORTAR BELOW GRADE. HEAD AND BED JOINTS SHALL BE 3/8 INCH FOR THE THICKNESS OF THE FACE SHELL. WEBS ARE TO BE FULLY MORTARED IN ALL COURSES OF PIERS, COLUMNS AND PILASTERS, IN THE STARTING COURSE AND WHERE AN ADJACENT CELL IS TO BE GROUTED. REMOVE MORTAR PROTRUSIONS EXTENDING 1/2 INCH OR MORE INTO CELLS TO BE GROUTED.

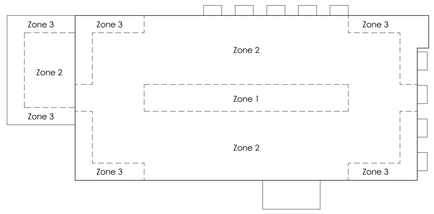
5. USE FINE OR COARSE GROUT CONFORMING TO ASTM C476, WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI IN 28 DAYS. AGGREGATE SHALL CONFORM TO ASTM C404 FOR GROUT SELECTED, WITH SLUMP OF 8 INCHES TO 11 INCHES.

6. ALL REINFORCED CELLS AND CELLS WITH EXPANSION BOLTS, EMBED PLATES, OR OTHER ANCHORS AND ALL CELLS BELOW GRADE SHALL BE GROUTED SOLID IN ACCORDANCE WITH ACI 530.1. ALLOW MORTAR TO CURE 24 HOURS PRIOR TO GROUTING.

7. LAY UP UNITS IN RUNNING BOND UNLESS OTHER



1 S0.2 YLC Wind Zones
3/64" = 1'-0"



2 S0.2 BH Wind Zones
3/64" = 1'-0"

COMPONENTS & CLADDING WIND PRESSURES

ZONE 1
AREA = 10 sf = +16.0 PSF / -51.2 PSF
AREA = 20 sf = +16.0 PSF / -47.8 PSF
AREA = 50 sf = +16.0 PSF / -43.3 PSF
AREA = 100 sf = +16.0 PSF / -39.9 PSF

ZONE 2
AREA = 10 sf = +29.4 PSF / -67.5 PSF
AREA = 20 sf = +28.1 PSF / -63.1 PSF
AREA = 50 sf = +26.4 PSF / -57.4 PSF
AREA = 100 sf = +25.1 PSF / -53.1 PSF

ZONE 3
AREA = 10 sf = +29.4 PSF / -67.5 PSF
AREA = 20 sf = +28.1 PSF / -63.1 PSF
AREA = 50 sf = +26.4 PSF / -57.4 PSF
AREA = 100 sf = +25.1 PSF / -53.1 PSF

ZONE 4
AREA = 10 sf = +29.4 PSF / -31.8 PSF
AREA = 20 sf = +28.1 PSF / -30.5 PSF
AREA = 50 sf = +26.4 PSF / -28.8 PSF
AREA = 100 sf = +25.1 PSF / -27.5 PSF

ZONE 5
AREA = 10 sf = +29.4 PSF / -39.2 PSF
AREA = 20 sf = +28.1 PSF / -36.6 PSF
AREA = 50 sf = +26.4 PSF / -33.1 PSF
AREA = 100 sf = +25.1 PSF / -30.5 PSF

COMPONENTS & CLADDING WIND PRESSURES

ZONE 1
AREA = 10 sf = +16.0 PSF / -51.2 PSF
AREA = 20 sf = +16.0 PSF / -47.8 PSF
AREA = 50 sf = +16.0 PSF / -43.3 PSF
AREA = 100 sf = +16.0 PSF / -39.9 PSF

ZONE 2
AREA = 10 sf = +29.4 PSF / -67.5 PSF
AREA = 20 sf = +28.1 PSF / -63.1 PSF
AREA = 50 sf = +26.4 PSF / -57.4 PSF
AREA = 100 sf = +25.1 PSF / -53.1 PSF

ZONE 3
AREA = 10 sf = +29.4 PSF / -67.5 PSF
AREA = 20 sf = +28.1 PSF / -63.1 PSF
AREA = 50 sf = +26.4 PSF / -57.4 PSF
AREA = 100 sf = +25.1 PSF / -53.1 PSF

ZONE 4
AREA = 10 sf = +29.4 PSF / -31.8 PSF
AREA = 20 sf = +28.1 PSF / -30.5 PSF
AREA = 50 sf = +26.4 PSF / -28.8 PSF
AREA = 100 sf = +25.1 PSF / -27.5 PSF

ZONE 5
AREA = 10 sf = +29.4 PSF / -39.2 PSF
AREA = 20 sf = +28.1 PSF / -36.6 PSF
AREA = 50 sf = +26.4 PSF / -33.1 PSF
AREA = 100 sf = +25.1 PSF / -30.5 PSF

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KME Project #22349

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
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Submittal

Phase	Date	Drw	Chk
DD	2-28-25	BEK	BEK
50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
Wind Load Information

S0.2 of

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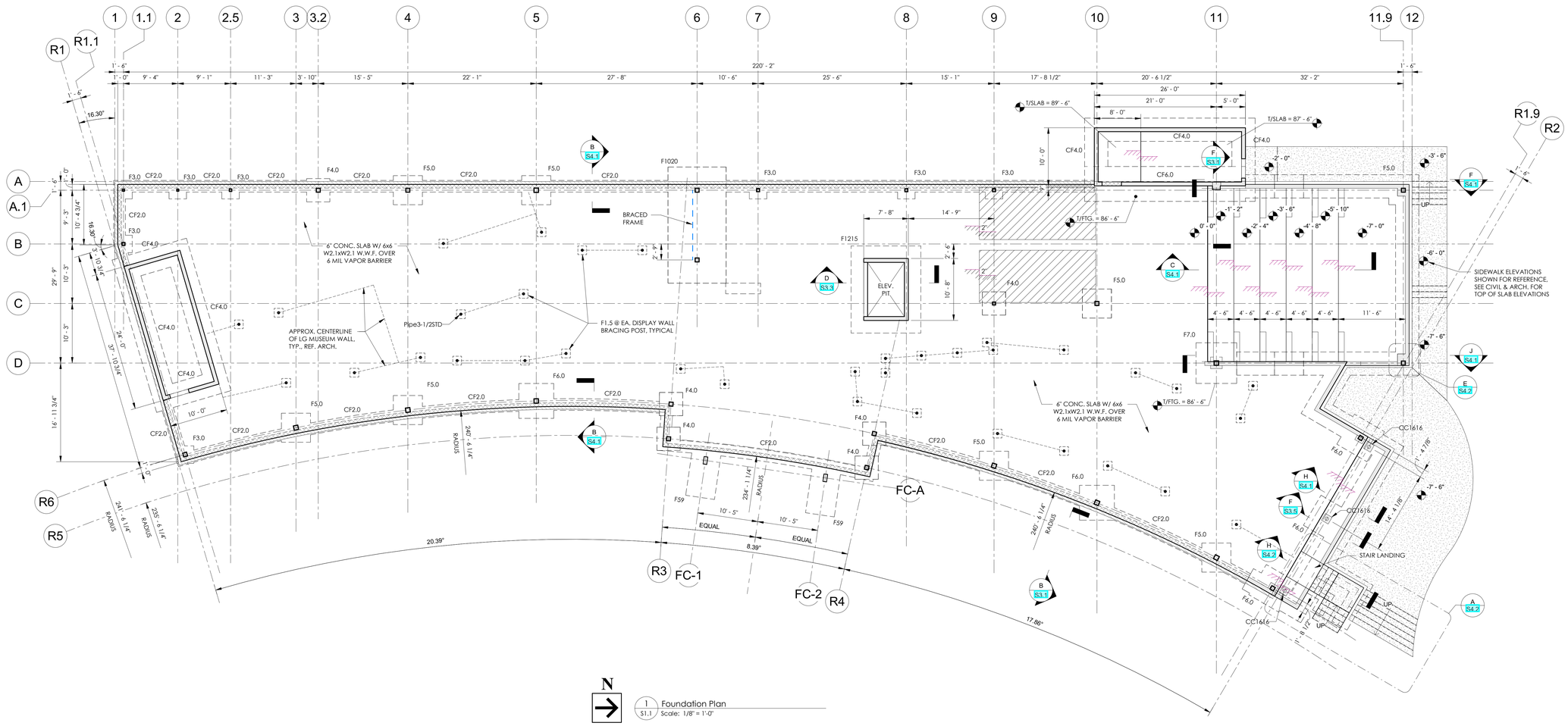

N

1 / S1.1 Foundation Plan
Scale: 1/8" = 1'-0"

Roof T/Steel																									Roof T/Steel
123' - 6"	HSS5X5X1/4	HSS5X5X1/4		HSS4X4X1/4	HSS4X4X1/4	HSS5X5X1/4	HSS8X8X1/4		HSS8X8X1/2	HSS6X6X1/4	HSS8X8X1/4		HSS6X6X1/4		HSS8X8X3/8	HSS8X8X1/4	HSS8X8X1/4		HSS6X6X1/4			HSS6X6X1/4		HSS8X8X1/4	123' - 6"
2nd T/Steel																									2nd T/Steel
107' - 1"								HSS9X9X5/16				HSS9X9X5/16													107' - 1"
Landing																									Landing
98' - 10"			CC1616																						98' - 10"
1st Floor																									1st Floor
89' - 6"											CC2424					CC2424	CC1818						CC1818		89' - 6"
Lower Patio																									Lower Patio
82' - 0"																									82' - 0"
Column Locations	A(7" - 0")-4(5' - 9"), A(7" - 0")-6	A(7" - 0")-5(-2' - 0"), A(7" - 0")-R3(-13" - 0 3/4")	A-(0' - 9")-11	A.1-1.1	A.1-2	A.1-2.5	A.1-3.2, A.1-4	A.1-5	A.1-6	A.1-7, A.1-8, A.1-9	A.1-11.9, D-11.9	B-1.1, C-9	B(-2' - 9")-6	C-10, R3-R5, R4-R5	C.2-11	D-11	R2(-1' - 6")-11.9(-7' - 4 1/8")	R5-3, R5-4, R5-5, R5-9, R5-10, R5-11, R1.9-R5	R6-3	R6-4, R6-5, R6-10, R6-11	R6-9	R1.1-R5	R1.1-R6, R3-R6, R4-R6	R1.9-R6	R3.3-R5, R3.7-R5	

FOOTING SCHEDULE

Type	Thickness	Width	Length	Long. Reinf.	Transv. Reinf.	Comments
CF2.0	1' - 0"	2' - 0"	<varies>	(3) #5 T&B		
CF3.0	1' - 3"	3' - 0"	<varies>	(3) #5 T&B		
CF4.0	1' - 6"	4' - 0"	<varies>	(5) #5 T&B		
CF6.0	2' - 0"	6' - 0"	25' - 4"	(7) #6 T&B		
F1.5	1' - 0"	1' - 6"	1' - 6"	(2) #4 B	(2) #4 B	
F3.0	1' - 3"	3' - 0"	3' - 0"	(4) #5 T&B	(4) #5 T&B	
F4.0	1' - 6"	4' - 0"	4' - 0"	(5) #5 T&B	(5) #5 T&B	
F5.0	1' - 9"	5' - 0"	5' - 0"	(6) #6 T&B	(6) #6 T&B	
F6.0	2' - 0"	6' - 0"	6' - 0"	(7) #6 T&B	(7) #6 T&B	
F7.0	2' - 0"	7' - 0"	7' - 0"	(9) #6 T&B	(9) #6 T&B	

FOUNDATION NOTES:

1. FINISHED FLOOR ELEVATION IS 89'-6" UNLESS OTHERWISE NOTED ON PLAN. TOP OF FOUNDATION ELEVATION IS 1'-4" BELOW SLAB-ON-GRADE, UNLESS NOTED OTHERWISE.
2. SLAB-ON-GRADE IS 6" THICK REINFORCED WITH WWR 6x6-W2.9xW2.9, TYPICAL UNLESS NOTED OTHERWISE. ANY LOCATION WITH POINT LOADS GREATER THAN 2000 LB SHALL BE COORDINATED WITH ENGINEER-OF-RECORD FOR REQUIRED SLAB-ON-GRADE THICKNESS, ALTERNATIVELY, MACRO SYNTHETIC FIBERS AT A MINIMUM DOSAGE RATE OF 4.0 LB/CY IS PERMITTED IN LIEU OF THE WWR UPON REVIEW OF THE MIX DESIGN BY THE ENGINEER-OF-RECORD. MACRO SYNTHETIC FIBERS CAN ONLY BE USED TO REPLACE THE WWR, ALL OTHER REINFORCEMENT SHOWN ON PLAN AND IN THE DETAILS IS REQUIRED REGARDLESS OF WHETHER WWR OR MACRO SYNTHETIC FIBERS IS USED. REFER TO DETAILS FOR SLAB REINFORCEMENT PLACEMENT AND ADDITIONAL REINFORCEMENT AT SLAB EDGES, TURNDOWNS, AND STAIRS. REFER TO TYPICAL CONTROL JOINT DETAILS FOR CONTROL JOINTS NOT SHOWN ON PLAN.
3. CENTER FOUNDATION ON CENTERLINE OF COLUMN UNLESS SHOWN OTHERWISE ON PLAN. CENTER COLUMN ON GRID LINES, UNLESS NOTED OTHERWISE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS FOR STAIRS AND ELEVATORS AND ALL EDGE OF SLAB DIMENSIONS NOT SHOWN.
6. REFER TO MEP DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES.
7. REFER TO MEP DRAWINGS FOR SIZE AND LOCATION OF EQUIPMENT AND HOUSEKEEPING PADS. REFER TO TYPICAL DETAILS FOR PAD REINFORCEMENT.
8. CONTRACTOR TO SUBMIT ELEVATOR MANUFACTURER DESIGN CRITERIA FOR DESIGN OF ELEVATOR PITS, HOISTS BEAMS, SEPARATOR BEAMS, AND GUIDE RAIL SUPPORT STEEL. ANY ELEVATOR INFORMATION SHOWN IS PRELIMINARY. INCLUDE CONTINGENCY FOR PRICING PURPOSES.
9. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT (SEE GENERAL NOTES) AND CONSULT WITH GEOTECHNICAL ENGINEER. GEOTECHNICAL ENGINEER TO ADVISE ON DEPTH AND EXTENT OF CUT-AND-REPLACE FOR SLAB-ON-GRADE SUB-GRADE.

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Submittal

Phase	Date	Drw	Chk
DD	2-28-25	BEK	BEK
50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # **24425**
PHASE: Construction Documents

SHEET TITLE
YLC - Foundation Plan

S1.1 of

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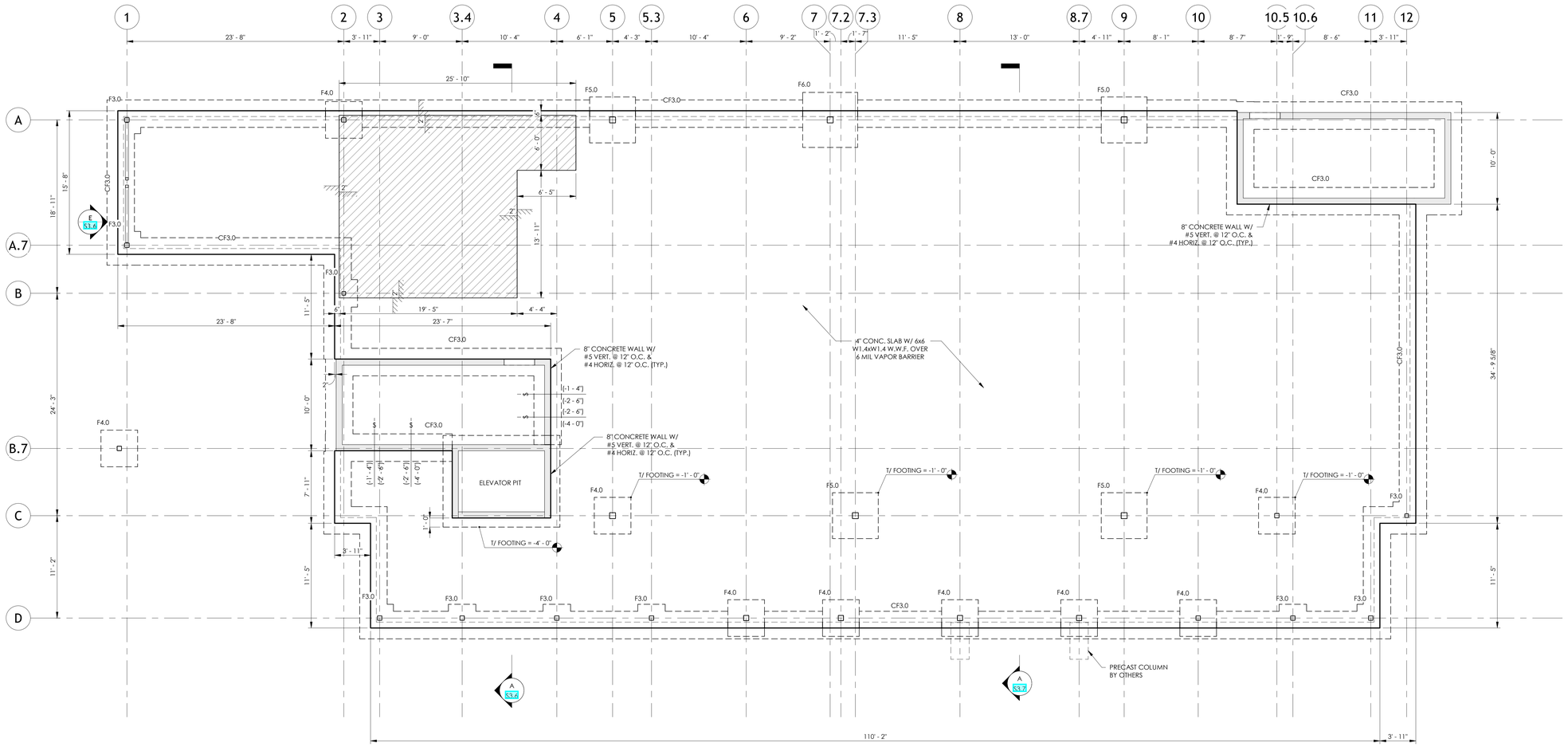

1 Foundation Plan
S1.2 3/16" = 1'-0"

T/ SCREEN WALL												T/ SCREEN WALL
37' - 10" Roof T/Steel												37' - 10" Roof T/Steel
31' - 10" 2nd T/Steel		HSS6X6X1/4	HSS8X8X1/4	HSS8X8X1/4								31' - 10" 2nd T/Steel
16' - 11" Patio Roof					HSS8X8X1/4	HSS6X6X1/4	HSS6X6X1/4	HSS6X6X1/4	HSS6X6X1/4	HSS7X7X1/4		16' - 11" Patio Roof
12' - 3" 1st Floor	HSS6X6X1/4			HSS6X6X1/4							HSS7X7X1/4	12' - 3" 1st Floor
0' - 0"												0' - 0"
Column Locations	A-1, A.7-1	A-2	A-5, A-7, A-9	B-2, C-12	B.7-1(-0' - 10")	C-5, C-7.3, C-9	C-10.5	D-3, D-11	D-3.4, D-5.3, D-10.6	D-4, D-10	D-6, D-8	D-7.2, D-8.7	

RFI PRE-BID-19

FOOTING SCHEDULE

Type	Thickness	Width	Length	Comments
CF3.0	1' - 3"	3' - 0"	<varies>	
F3.0	1' - 3"	3' - 0"	3' - 0"	
F4.0	1' - 6"	4' - 0"	4' - 0"	
F5.0	1' - 9"	5' - 0"	5' - 0"	
F6.0	2' - 0"	6' - 0"	6' - 0"	

FOUNDATION NOTES:

1. REFER TO PLAN FOR TOP OF FOUNDATION ELEVATIONS. ELEVATIONS ARE RELATIVE TO THE PROJECT DATUM 0'-0", REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR CONVERSION TO MEAN SEA LEVEL. TOP OF FOUNDATION ELEVATION IS 1'-4" BELOW SLAB-ON-GRADE, UNLESS NOTED OTHERWISE.
2. SLAB-ON-GRADE IS 4" THICK REINFORCED WITH WWR 6x6-W1.4xW1.4, TYPICAL UNLESS NOTED OTHERWISE. ANY LOCATION WITH POINT LOADS GREATER THAN 2000 LB SHALL BE COORDINATED WITH ENGINEER-OF-RECORD FOR REQUIRED SLAB-ON-GRADE THICKNESS. ALTERNATIVELY, MACRO SYNTHETIC FIBERS AT A MINIMUM DOSAGE RATE OF 4.0 LB/CY IS PERMITTED IN LIEU OF THE WWR UPON REVIEW OF THE MIX DESIGN BY THE ENGINEER-OF-RECORD. MACRO SYNTHETIC FIBERS CAN ONLY BE USED TO REPLACE THE WWR. ALL OTHER REINFORCEMENT SHOWN ON PLAN AND IN THE DETAILS IS REQUIRED REGARDLESS OF WHETHER WWR OR MACRO SYNTHETIC FIBERS IS USED. REFER TO DETAILS FOR SLAB REINFORCEMENT PLACEMENT AND ADDITIONAL REINFORCEMENT AT SLAB EDGES, TURNDOWNS, AND STAIRS. REFER TO TYPICAL CONTROL JOINT DETAILS FOR CONTROL JOINTS NOT SHOWN ON PLAN.
3. CENTER FOUNDATION ON CENTERLINE OF COLUMN UNLESS SHOWN OTHERWISE ON PLAN. CENTER COLUMN ON GRID LINES, UNLESS NOTED OTHERWISE.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF RAISED OR DEPRESSED SLAB AREAS, SLOPES, CURBS, AND DRAINS. REFER TO TYPICAL DETAILS FOR REINFORCEMENT REQUIREMENTS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS FOR STAIRS AND ELEVATORS AND ALL EDGE OF SLAB DIMENSIONS NOT SHOWN.
6. REFER TO MEP DRAWINGS FOR SLAB PENETRATIONS AND UNDERGROUND UTILITIES.
7. REFER TO MEP DRAWINGS FOR SIZE AND LOCATION OF EQUIPMENT AND HOUSEKEEPING PADS. REFER TO TYPICAL DETAILS FOR PAD REINFORCEMENT.
8. CONTRACTOR TO SUBMIT ELEVATOR MANUFACTURER DESIGN CRITERIA FOR DESIGN OF ELEVATOR PITS, HOISTS BEAMS, SEPARATOR BEAMS, AND GUIDE RAIL SUPPORT STEEL. ANY ELEVATOR INFORMATION SHOWN IS PRELIMINARY. INCLUDE CONTINGENCY FOR PRICING PURPOSES.
9. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT (SEE GENERAL NOTES) AND CONSULT WITH GEOTECHNICAL ENGINEER. GEOTECHNICAL ENGINEER TO ADVISE ON DEPTH AND EXTENT OF CUT-AND-REPLACE FOR SLAB-ON-GRADE SUB-GRADE.

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Submittal

Phase	Date	Drw	Chk
DD	2-28-25	BEK	BEK
50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # **24425**
PHASE: Construction Documents

SHEET TITLE
BH - Foundation Plan

S1.2 of

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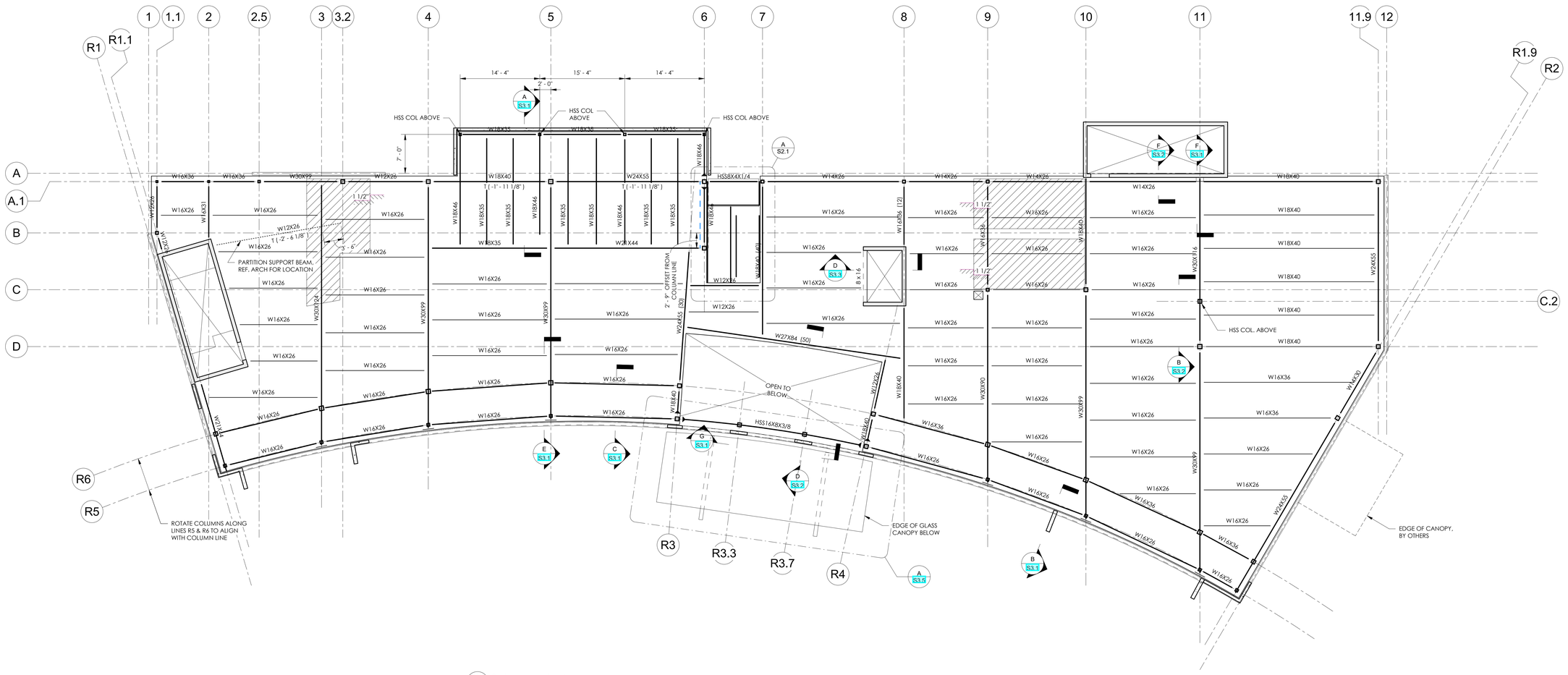
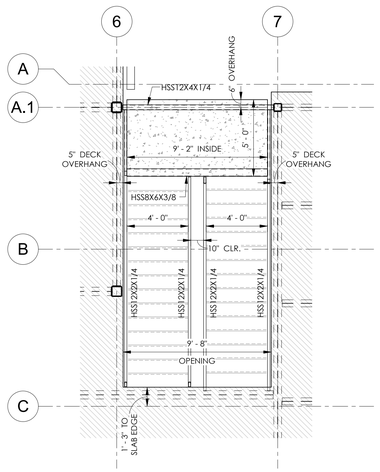


1 S2.1 2nd Floor Framing Plan
Scale: 1/8" = 1'-0"



A S2.1 Stair Framing Plan
1/4" = 1'-0"

2nd FLOOR FRAMING NOTES:

1. REFER TO PLAN FOR TOP OF CONCRETE ELEVATION. ELEVATIONS ARE RELATIVE TO THE PROJECT DATUM – REFER TO FOUNDATION PLAN.
2. ALL BEAMS LISTED SHALL HAVE 3/4"ø x 3 1/2" HEADED STUDS WELDED TO THE TOP FLANGE AS SHOWN IN DETAILS. A MINIMUM OF (1) STUD SPACED AT 12" O.C. SHALL BE PROVIDED FOR ALL BEAMS SUPPORTING A CONCRETE ON METAL DECK FLOOR SYSTEM.
3. TYPICAL FLOOR SLAB IS 3" LW CONCRETE ON 2" 20 GA (5" TOTAL THICKNESS) COMPOSITE DECK. REFER TO TYPICAL DETAILS FOR REINFORCEMENT PLACEMENT. REINFORCE WITH WWR 6x6 W2.1XW2.1, UNLESS NOTED OTHERWISE. ALTERNATIVELY, MACRO SYNTHETIC FIBERS AT A MINIMUM DOSAGE RATE OF 4.0 LB/CY IS PERMITTED IN LIEU OF THE WWR UPON REVIEW OF THE MIX DESIGN BY THE ENGINEER-OF-RECORD. MACRO SYNTHETIC FIBERS CAN ONLY BE USED TO REPLACE THE WWR. ALL OTHER REINFORCEMENT SHOWN ON PLAN AND IN THE DETAILS IS REQUIRED REGARDLESS OF WHETHER WWR OR MACRO SYNTHETIC FIBERS IS USED.
4. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
5. REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR SLAB OPENINGS AND SLEEVES NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL SLAB REINFORCEMENT REQUIRED AT OPENINGS AND SLEEVES.
6. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS FOR STAIRS AND ELEVATORS AND ALL EDGE OF SLAB DIMENSIONS NOT SHOWN. BEAMS NOT ON GRIDS/COLUMN LINES WHICH FRAME OPENINGS SHALL BE 6" FROM FACE OF OPENING FOR BEAMS WITH bf ≤ 9" AND 12" FOR BEAMS WITH bf > 9", TYPICAL, UNLESS NOTED OTHERWISE.
7. MOMENT CONNECTIONS ARE TO BE DESIGNED BY THE STEEL FABRICATOR FOR THE FULL MEMBER CAPACITY, UNLESS NOTED OTHERWISE. CANTILEVER BEAM SIZE AND CONNECTION FORCE SHALL BE THE SAME AS THE BACKSPAN BEAM SIZE AND CONNECTION FORCE, UNLESS NOTED OTHERWISE.
8. REFER TO MEP DRAWINGS FOR SIZE AND LOCATION OF EQUIPMENT AND HOUSEKEEPING PADS. REFER TO TYPICAL DETAILS FOR PAD REINFORCEMENT.
9. PLACE ADDITIONAL REINFORCEMENT ACROSS STEEL GIRDERS PER DETAIL 3/S503. CENTER REINFORCEMENT AT STEEL GIRDERS.
10. CONTRACTOR TO SUBMIT ELEVATOR MANUFACTURER DESIGN CRITERIA FOR DESIGN OF ELEVATOR PITS, HOISTS BEAMS, SEPARATOR BEAMS, AND GUIDE RAIL SUPPORT STEEL. ANY ELEVATOR INFORMATION SHOWN IS PRELIMINARY. INCLUDE CONTINGENCY FOR PRICING PURPOSES.
11. ALL STAIRS ARE DELEGATED DESIGN METAL PAN STAIRS, REFER TO ARCHITECTURAL DRAWINGS.
12. PROVIDE 2-#4x4'-0" LONG BARS MID-DEPTH OF SLAB AT EACH RE-ENTRANT CORNER.

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Tallahassee, Florida 32308
Office: 850.727.5367
Authorization No. 31293
KME Project #22349

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
Clemons,Rutherford, & Associates, Inc.
Architects
Planners
Interior Designers
Construction Managers
2027 Thomasville Road
Tallahassee, Florida 32308
(850) 385-6153
Fax (850) 386-8420
cra@craarchitects.com

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Submittal

Phase	Date	Drw	Chk
DD	2-28-25	BEK	BEK
50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

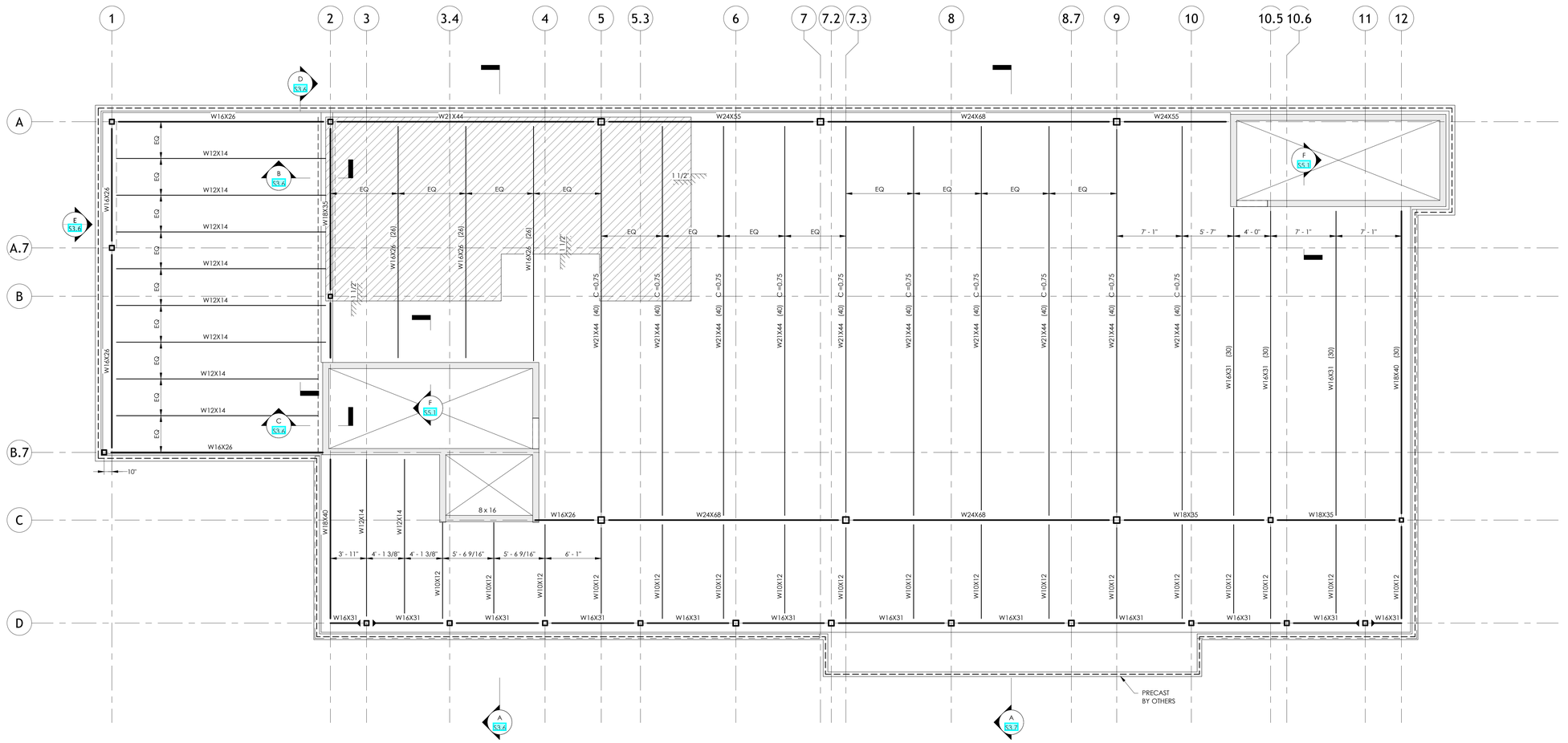
#	Description	Date

PROJECT # **24425**
PHASE: Construction Documents

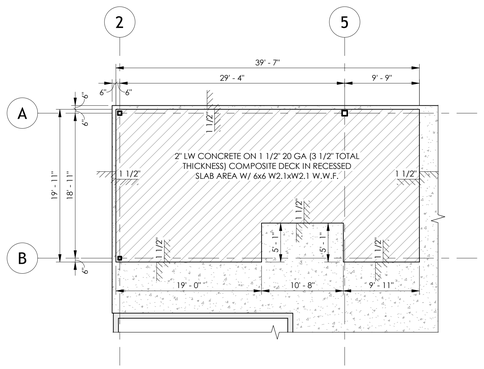
SHEET TITLE
YLC - 2nd Floor Framing Plan

S2.1 of

C:\Users\BenEever\Kever McKee Dropbox\Kever McKee Projects\2025 Projects\24425 - FSA YLH BKNG CENTER-KME PRWG\Current\24425 - FSA YLH BKNG CENTER - Revised S.rvt



1 / S2.2 2nd Floor Framing Plan
3/16" = 1'-0"



2 / S2.2 Recessed Floor Locations
1/8" = 1'-0"

2nd FLOOR FRAMING NOTES:

1. REFER TO PLAN FOR TOP OF CONCRETE ELEVATION. ELEVATIONS ARE RELATIVE TO THE PROJECT DATUM – REFER TO FOUNDATION PLAN.
2. ALL BEAMS LISTED SHALL HAVE 3/4"ø x 3 1/2" HEADED STUDS WELDED TO THE TOP FLANGE AS SHOWN IN DETAILS. A MINIMUM OF (1) STUD SPACED AT 12" O.C. SHALL BE PROVIDED FOR ALL BEAMS SUPPORTING A CONCRETE ON METAL DECK FLOOR SYSTEM. HEADED STUDS SHALL BE 3" LONG FOR SLAB DEPTHS OF 3 1/2".
3. TYPICAL FLOOR SLAB IS 3" LW CONCRETE ON 2" 20 GA (5" TOTAL THICKNESS) COMPOSITE DECK. REFER TO TYPICAL DETAILS FOR REINFORCEMENT PLACEMENT. REINFORCE WITH 6x6 W2.1XW2.1 W.W.F., UNLESS NOTED OTHERWISE. ALTERNATIVELY, MACRO SYNTHETIC FIBERS AT A MINIMUM DOSAGE RATE OF 4.0 LB/CY IS PERMITTED IN LIEU OF THE WWR UPON REVIEW OF THE MIX DESIGN BY THE ENGINEER-OF-RECORD. MACRO SYNTHETIC FIBERS CAN ONLY BE USED TO REPLACE THE WWR. ALL OTHER REINFORCEMENT SHOWN ON PLAN AND IN THE DETAILS IS REQUIRED REGARDLESS OF WHETHER WWR OR MACRO SYNTHETIC FIBERS IS USED.
4. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED.
5. REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR SLAB OPENINGS AND SLEEVES NOT SHOWN. REFER TO TYPICAL DETAILS FOR ADDITIONAL SLAB REINFORCEMENT REQUIRED AT OPENINGS AND SLEEVES.
6. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS FOR STAIRS AND ELEVATORS AND ALL EDGE OF SLAB DIMENSIONS NOT SHOWN. BEAMS NOT ON GRIDS/COLUMN LINES WHICH FRAME OPENINGS SHALL BE 6" FROM FACE OF OPENING FOR BEAMS WITH bf ≤ 9" AND 12" FOR BEAMS WITH bf > 9", TYPICAL, UNLESS NOTED OTHERWISE.
7. MOMENT CONNECTIONS ARE TO BE DESIGNED BY THE STEEL FABRICATOR FOR THE FULL MEMBER CAPACITY, UNLESS NOTED OTHERWISE. CANTILEVER BEAM SIZE AND CONNECTION FORCE SHALL BE THE SAME AS THE BACKSPAN BEAM SIZE AND CONNECTION FORCE, UNLESS NOTED OTHERWISE.
8. REFER TO MEP DRAWINGS FOR SIZE AND LOCATION OF EQUIPMENT AND HOUSEKEEPING PADS. REFER TO TYPICAL DETAILS FOR PAD REINFORCEMENT.
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100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # **24425**
PHASE: Construction Documents

SHEET TITLE
BH - 2nd Floor Framing Plan

S2.2 of

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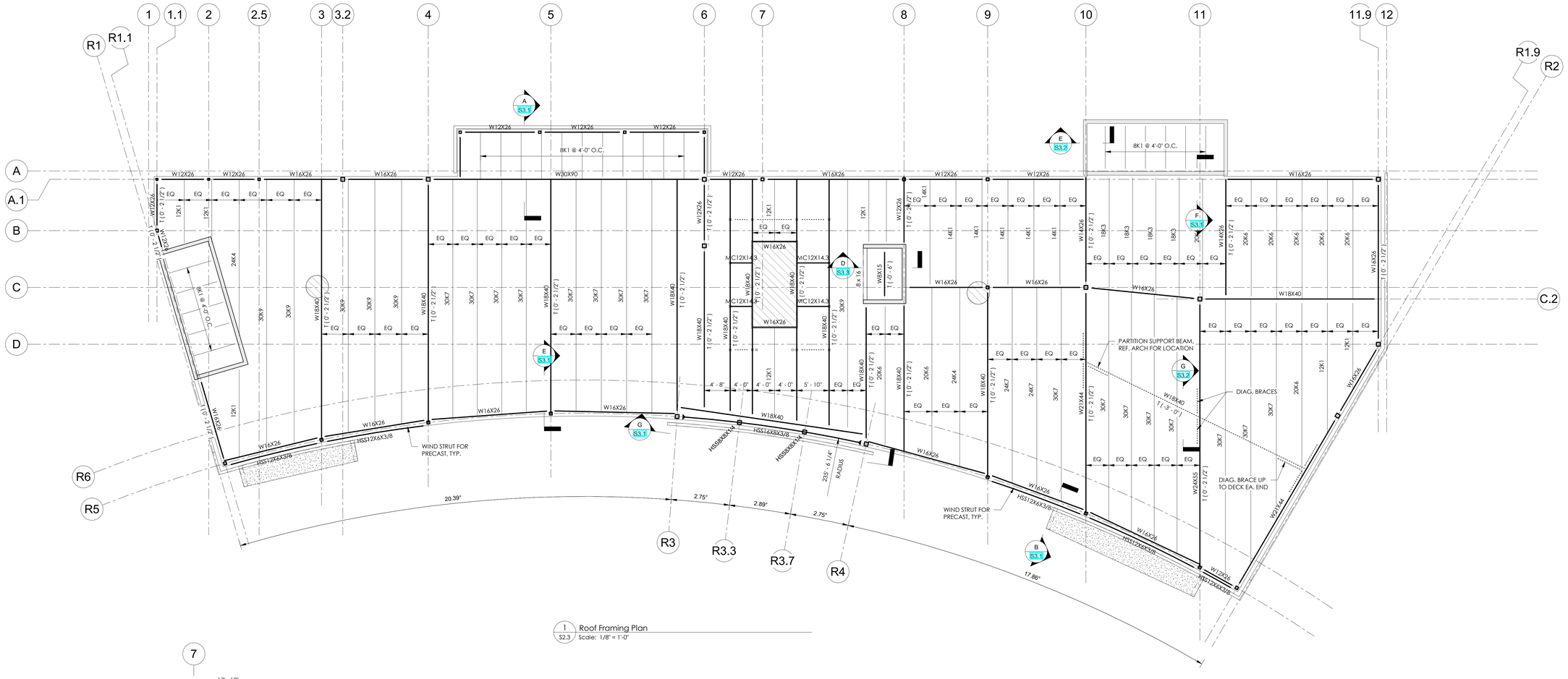
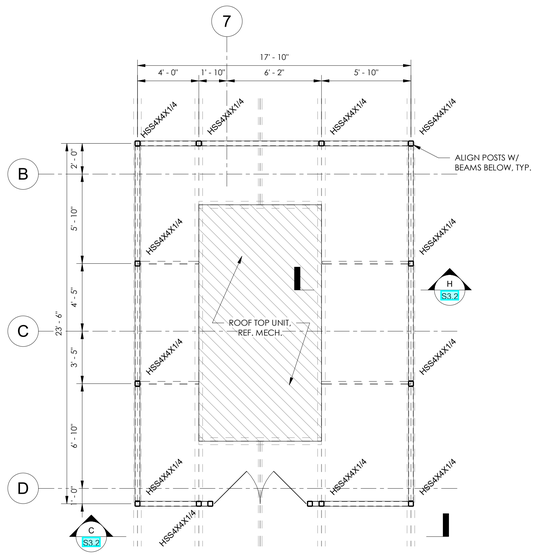


1 S2.3 Roof Framing Plan
Scale: 1/8" = 1'-0"



2 S2.3 RTU Screen Wall Framing Plan
1/4" = 1'-0"

ROOF FRAMING NOTES:

1. REFER TO PLAN FOR BOTTOM OF DECK ELEVATION. ELEVATIONS ARE RELATIVE TO THE PROJECT DATUM – REFER TO FOUNDATION PLAN.
2. TYPICAL ROOF DECK IS 1.5" WIDE RIB TYPE B 20 GAUGE (G90) 50 KSI ATTACHED WITH 5/8" DIAMETER PUDDLE WELDS. ATTACH DECK TO STEEL FRAMING WITH 36/7 PATTERN. CONNECT DECK SIDELAPS WITH #10 TEK SCREWS AT 12" IN FIELD OF ROOF AND AT 12" AT EDGES AND CORNERS. TYP. WHERE INDICATED WITH A HATCH PATTERN ON PLAN, CONNECT DECK SIDELAPS WITH #10 TEK SCREWS AT 12" IN FIELD OF ROOF AND AT 6" AT EDGES AND CORNERS.
3. BRACING FOR STEEL JOISTS SHALL BE PROVIDED BY THE MANUFACTURER IN COMPLIANCE WITH STEEL JOIST INSTITUTE REQUIREMENTS.
4. ALL STEEL THAT IS PERMANENTLY EXPOSED TO THE EXTERIOR OR IS PERMANENTLY IN UNCONDITIONED SPACE SHALL BE HOT-DIPPED GALVANIZED, INCLUDING CANOPY STEEL.
5. REFER TO ARCHITECTURAL AND MEP DRAWINGS FOR ROOF OPENINGS NOT SHOWN AND FOR ALL EDGE OF DECK DIMENSIONS NOT SHOWN.
6. REFER TO MEP DRAWINGS FOR SIZE AND LOCATION OF EQUIPMENT.
7. MOMENT CONNECTIONS ARE TO BE DESIGNED BY THE STEEL FABRICATOR FOR THE FULL MEMBER CAPACITY, UNLESS NOTED OTHERWISE. CANTILEVER BEAM SIZE AND CONNECTION FORCE SHALL BE THE SAME AS THE BACKSPAN BEAM SIZE AND CONNECTION FORCE, UNLESS NOTED OTHERWISE.
8. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENTS AND DIMENSIONS OF ROOF SLOPES, CURBS, AND DRAINS NOT SHOWN. REFER TO TYPICAL DETAILS FOR STRUCTURAL REQUIREMENTS.
9. CONTRACTOR TO SUBMIT FINAL MECHANICAL EQUIPMENT DESIGN CRITERIA FOR DESIGN OF LOCAL SUPPORT FRAMING. ANY EQUIPMENT INFORMATION SHOWN IS PRELIMINARY AS PROVIDED BY THE MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEERS FOR A BASIS-OF-DESIGN. INCLUDE CONTINGENCY FOR PRICING PURPOSES.
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KME Project #22349

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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DD	2-28-25	BEK	BEK
50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
YLC - Roof Framing Plan

S2.3 of

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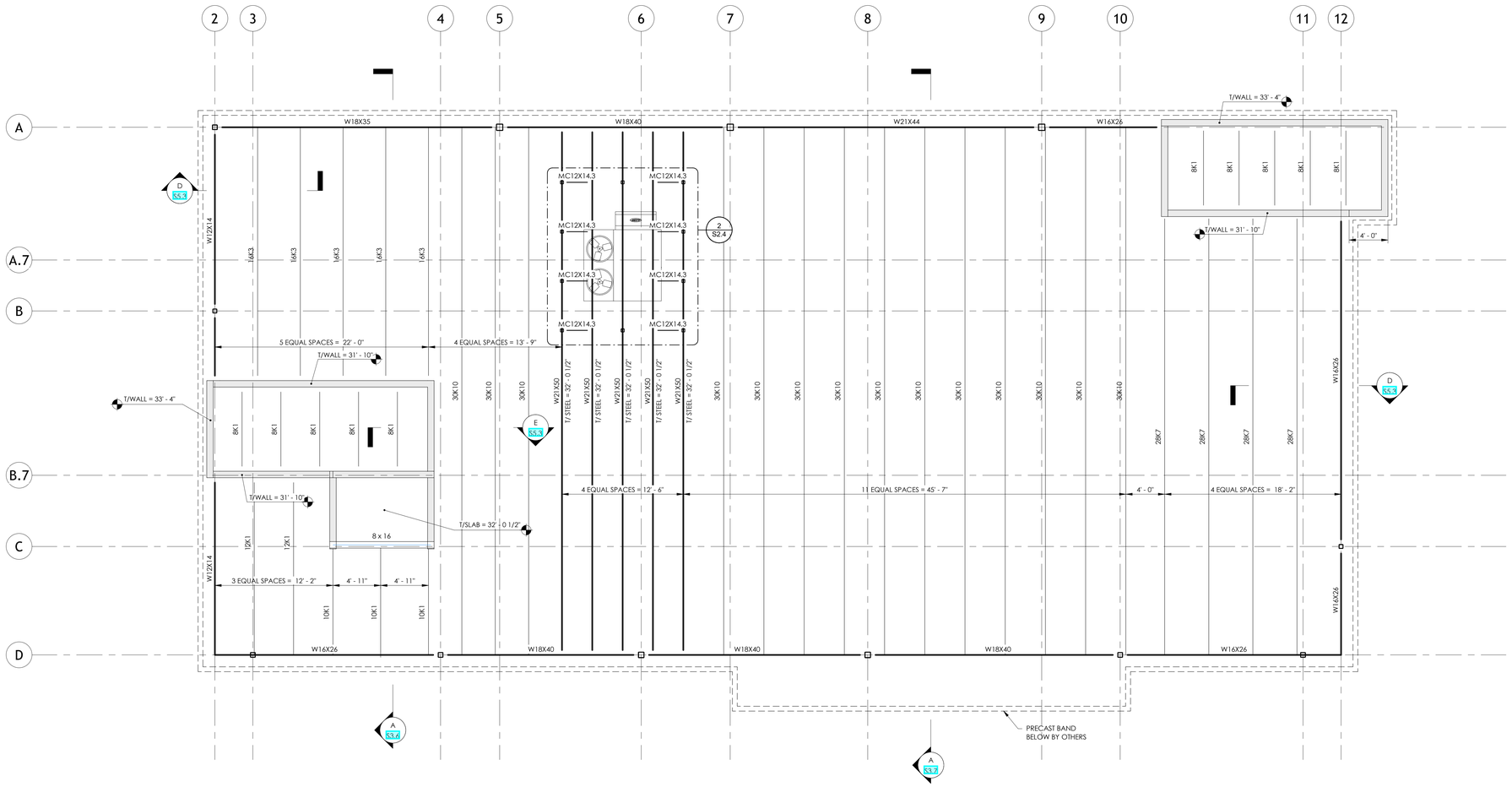
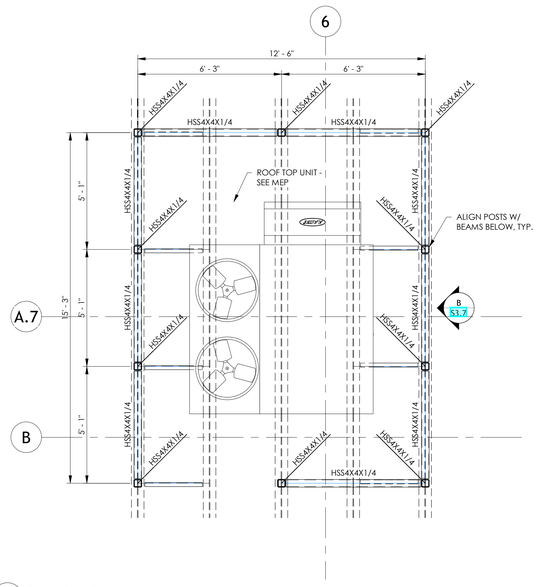


1 S2.4 Roof Framing Plan
3/16" = 1'-0"



2 S2.4 Screen Wall Plan
3/8" = 1'-0"

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50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
BH - Roof Framing Plan

S2.4 of

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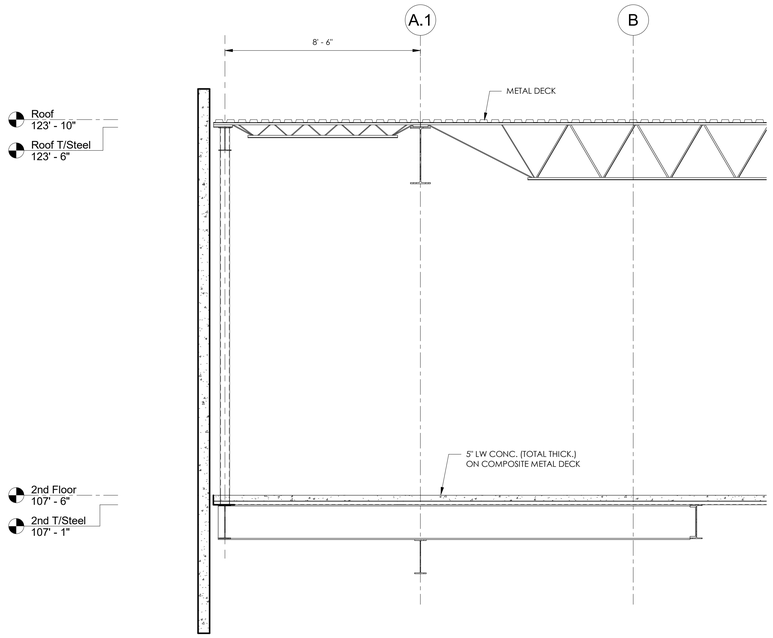
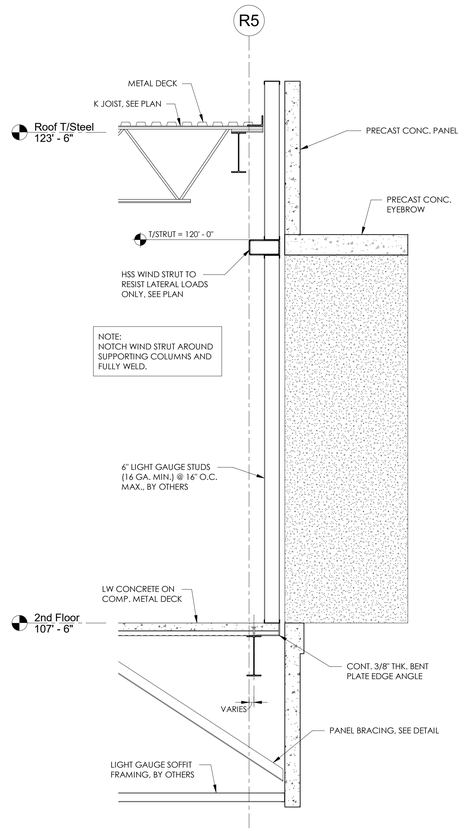
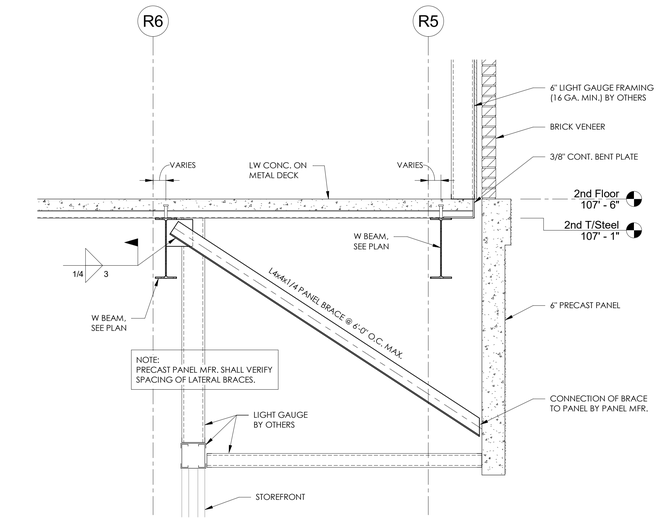


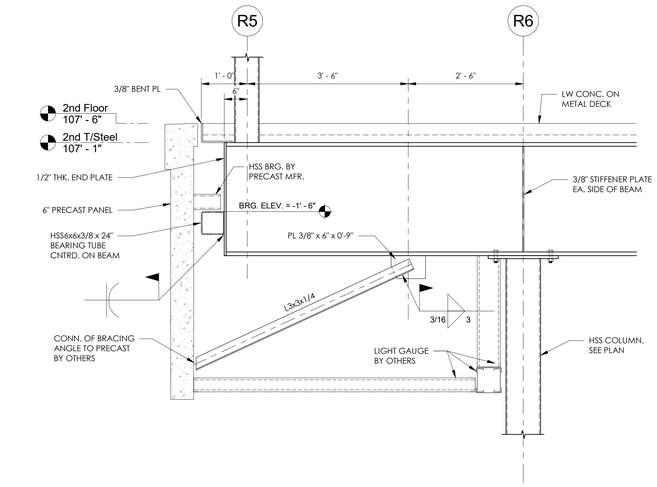
A S3.1 Section @ Rear Cantilever
3/8" = 1'-0"



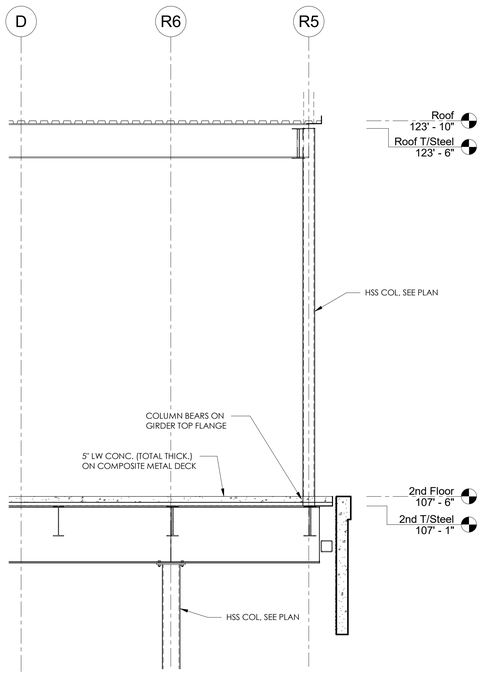
B S3.1 Section @ Precast Eyebrow
1/2" = 1'-0"



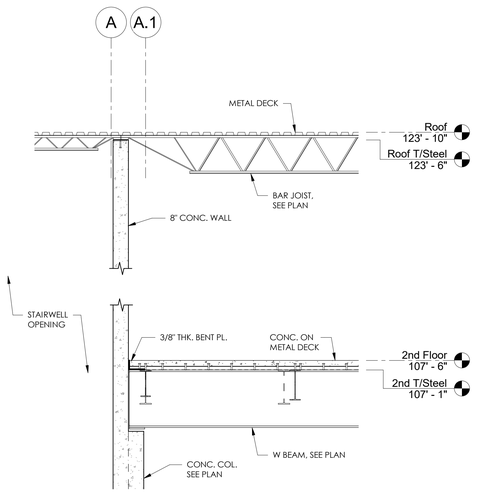
C S3.1 Precast Bracing Details
3/4" = 1'-0"



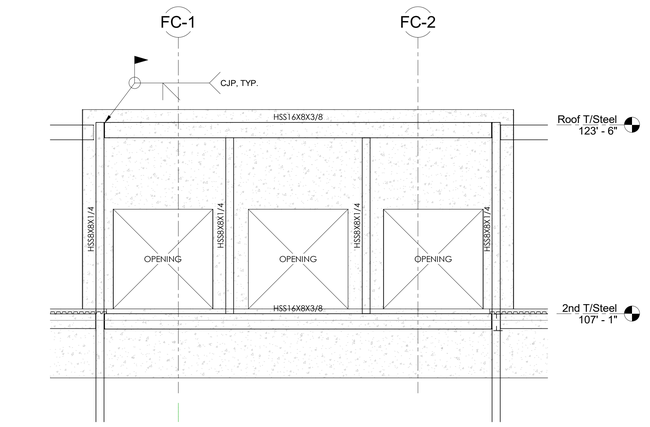
D S3.1 Precast Panel Connection
3/4" = 1'-0"



E S3.1 Section @ Front Cantilever
Scale: 3/8" = 1'-0"



F S3.1 Section @ Stair Tower
3/8" = 1'-0"



G S3.1 Vierendeel Truss Elevation
3/16" = 1'-0"

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Revision

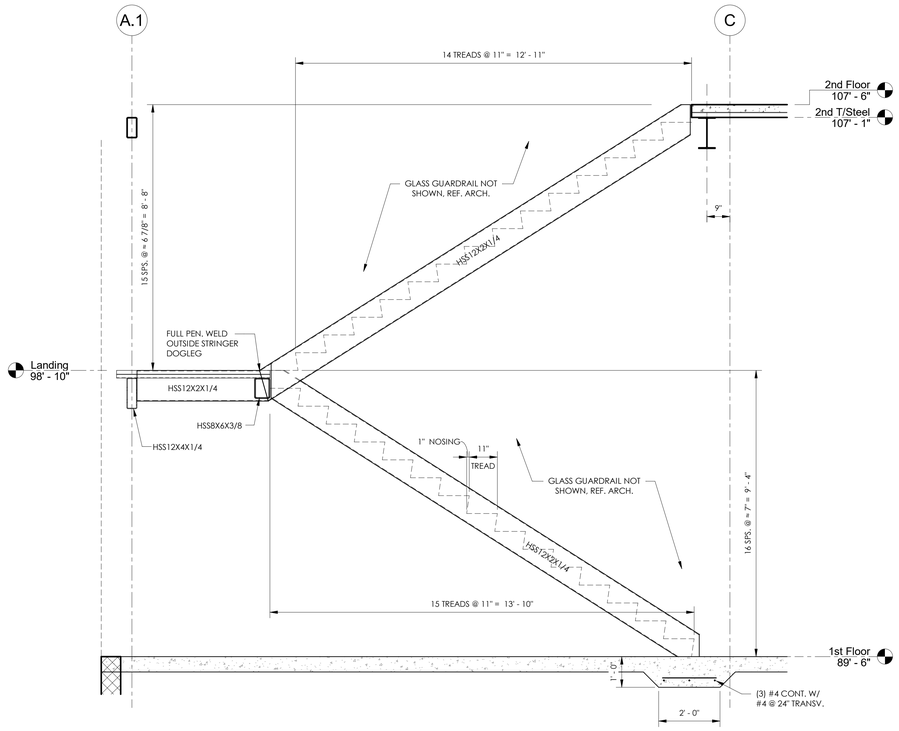
#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

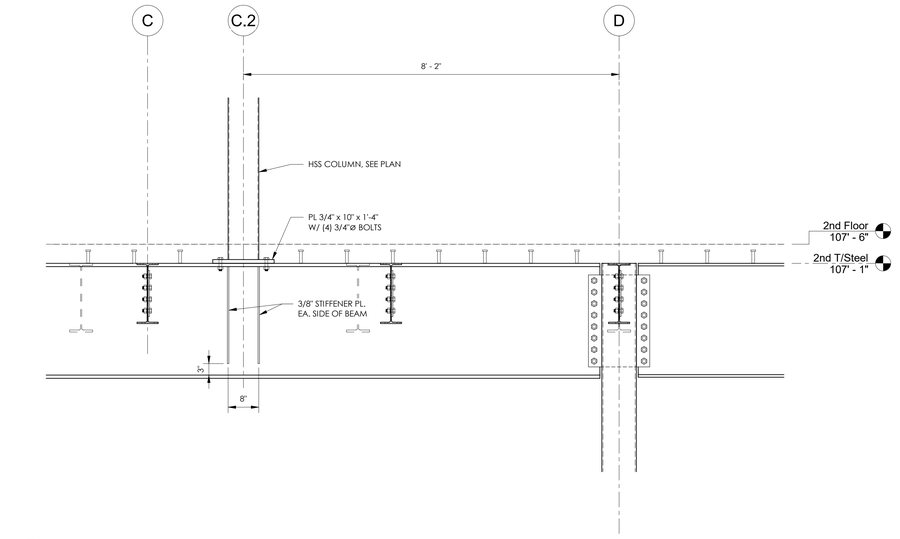
SHEET TITLE
YLC - Sections

S3.1 of

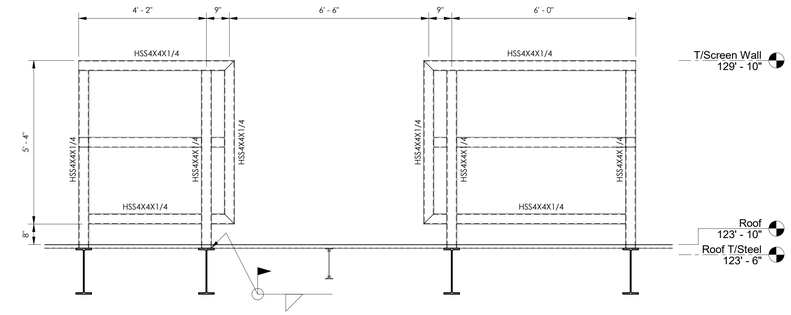
C:\Users\BrianBeverett\Kever Mckee Dropbox\Brian Beverett\Kever Mckee Projects\2025 Projects\24425 - FSA ELEARNING CENTER\R24B.IFWG\Current\24425 - FSA ELEARNING CENTER - Structural S3.rvt



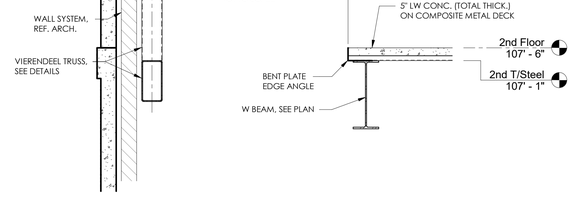
A S3.2 Monumental Stair Section
1/2" = 1'-0"



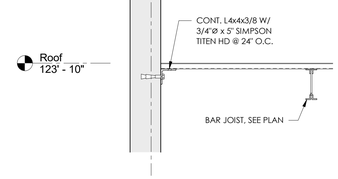
B S3.2 Section @ Column Offset
3/4" = 1'-0"



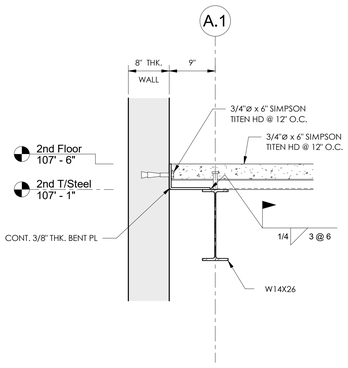
C S3.2 Screen Wall Elevation
1/2" = 1'-0"



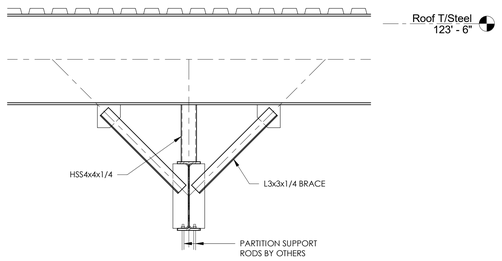
D S3.2 Section @ Lobby Opening
1/2" = 1'-0"



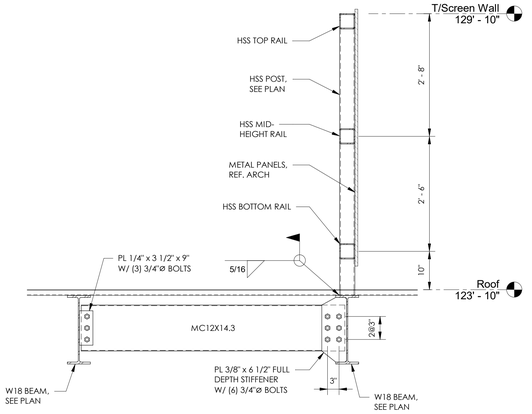
E S3.2 Metal Deck Connection @ Parapet
3/4" = 1'-0"



F S3.2 Floor Connection to Stair Wall
1" = 1'-0"



G S3.2 Partition Beam Bracing
3/4" = 1'-0"



H S3.2 Screen Wall Section
3/4" = 1'-0"

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Authorization No. 31293
KME Project #22349

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
Clemons,Rutherford, & Associates, Inc.
Architects
Planners
Interior Designers
Construction Managers
2027 Thomasville Road
Tallahassee, Florida 32308
(850) 385-6153
Fax (850) 386-8420
cra@craarchitects.com

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Submittal

Phase	Date	Drw	Chk
DD	2-28-25	BEK	BEK
50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
YLC - Sections

S3.2 of

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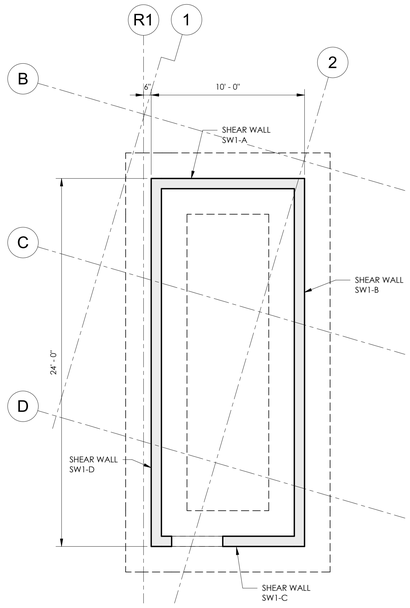
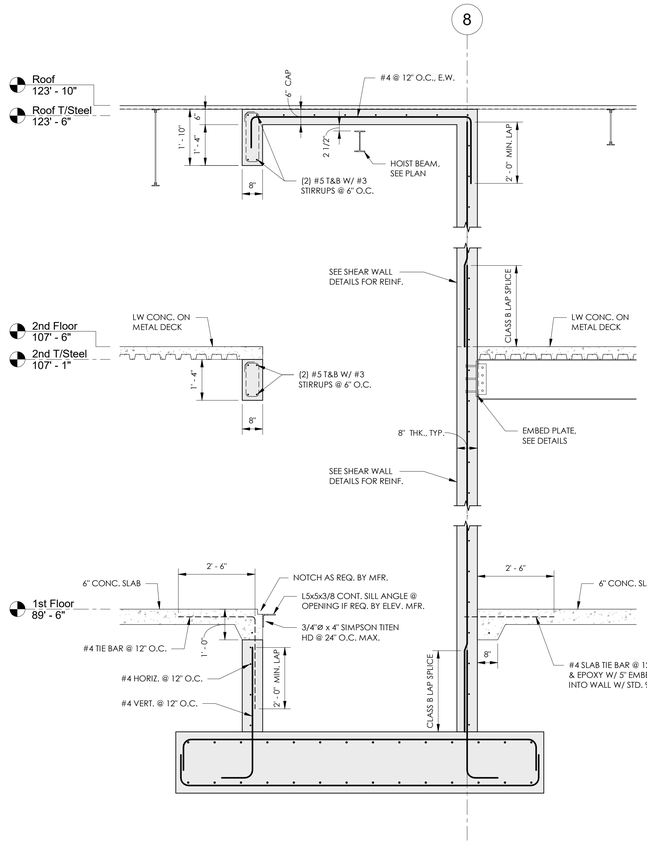


A / S3.3 SW1 Layout
1/4" = 1'-0"

NOTE:
FIRST FLOOR WALLS SHOWN. DOOR LOCATIONS MAY VARY ON SECOND FLOOR.

SHEAR WALL SCHEDULE

SHEAR WALL		WALL TYPE	THICKNESS	WALL REINFORCEMENT		COMMENTS
				VERTICAL	HORIZONTAL	
SW1-A	1st FLOOR	CONCRETE	8"	#6 @ 12"	#4 @ 12"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 12"	
SW1-B	1st FLOOR	CONCRETE	8"	#6 @ 12"	#4 @ 12"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 12"	
SW1-C	1st FLOOR	CONCRETE	8"	#6 @ 12"	#4 @ 12"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 12"	
SW1-D	1st FLOOR	CONCRETE	8"	#6 @ 12"	#4 @ 6"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 6"	
SW2-A	1st FLOOR	CONCRETE	8"	#6 @ 8"	#4 @ 6"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 12"	
SW2-B	1st FLOOR	CONCRETE	8"	#6 @ 12"	#4 @ 6"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 12"	
SW2-C	1st FLOOR	CONCRETE	8"	#6 @ 8"	#4 @ 6"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 12"	
SW3-A	1st FLOOR	CONCRETE	8"	#6 @ 12"	#4 @ 6"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 6"	
SW3-B	1st FLOOR	CONCRETE	8"	#6 @ 8"	#4 @ 6"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 12"	
SW3-C	1st FLOOR	CONCRETE	8"	#6 @ 12"	#4 @ 12"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 12"	
SW3-D	1st FLOOR	CONCRETE	8"	#6 @ 8"	#4 @ 6"	1 LAYER, CNTRD. IN WALL
	2nd FLOOR			#6 @ 12"	#4 @ 12"	



D / S3.3 Elevator Shaft Section
1/2" = 1'-0"

B / S3.3 SW2 Layout
1/4" = 1'-0"

C / S3.3 SW3 Layout
1/4" = 1'-0"

NOTE:
FIRST FLOOR WALLS SHOWN. DOOR LOCATIONS MAY VARY ON SECOND FLOOR.

E / S3.3 Wall Corner Details
3/4" = 1'-0"

F / S3.3 Wall Reinforcement at Openings
3/4" = 1'-0"

G / S3.3 Wall Header Details
3/4" = 1'-0"

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100% CD	7-18-25	BEK	BEK

Revision

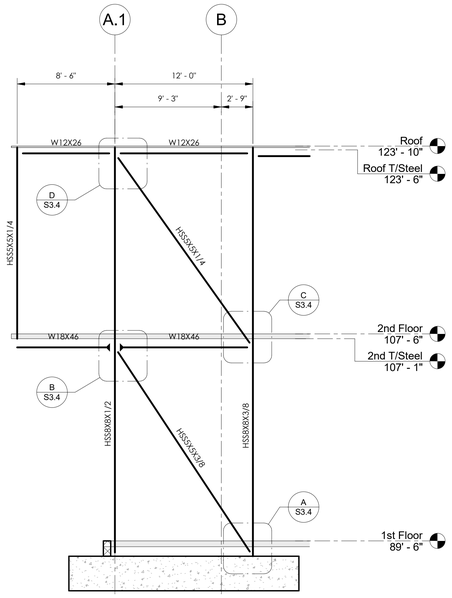
#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

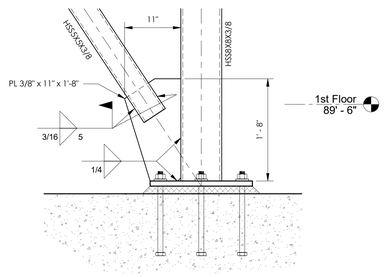
SHEET TITLE
YLC - Shear Wall Details

S3.3 of

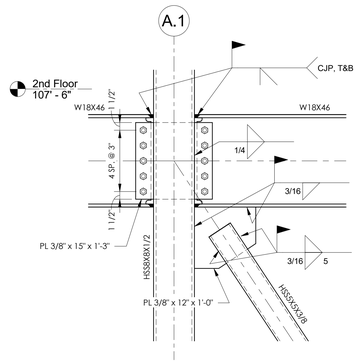
C:\Users\BenEever\Kever Mckee Dropbox\Kever Mckee Projects\2025 Projects\24425 - FSA YLE & BKNG CENTER & KME DWGs\Central\24425 - FSA YLE & BKNG CENTER_R24E.DWG Central 24425 - FSA YLE & BKNG CENTER_R24E_Revised 4.4.25.dwg



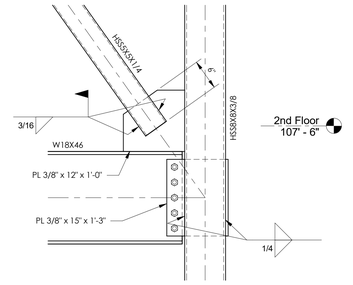
1 S3.4 Braced Frame BF-1
Scale: 3/16" = 1'-0"



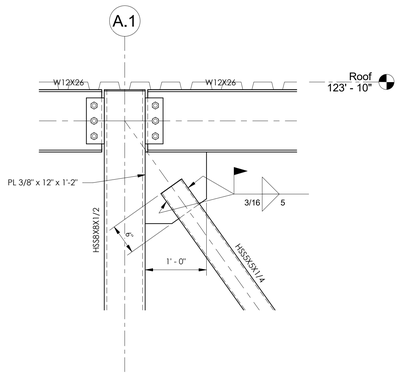
A S3.4 Braced Frame Connection 1
1" = 1'-0"



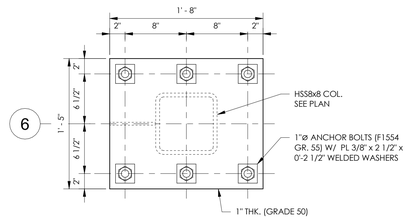
B S3.4 Braced Frame Connection 2
1" = 1'-0"



C S3.4 Braced Frame Connection 3
1" = 1'-0"



D S3.4 Braced Frame Connection 4
1" = 1'-0"



E S3.4 Typical Base Plate Details
1 1/2" = 1'-0"

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50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # **24425**
PHASE: Construction Documents

SHEET TITLE
YLC - Braced Frame Details

S3.4 of

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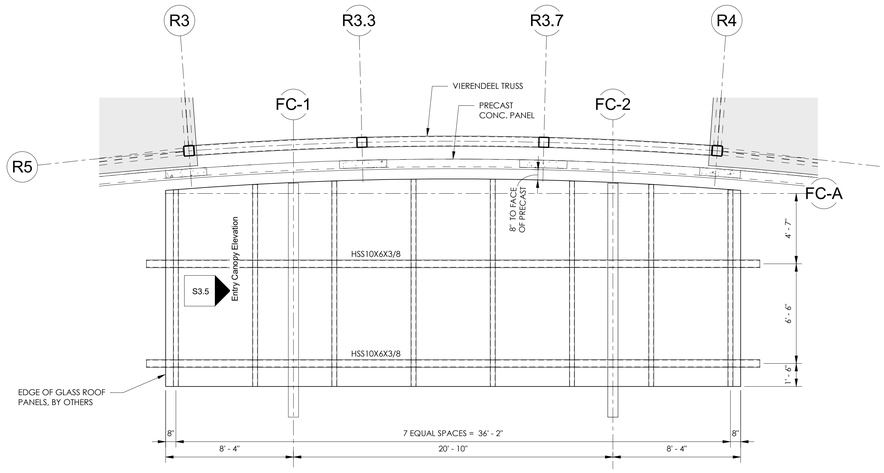
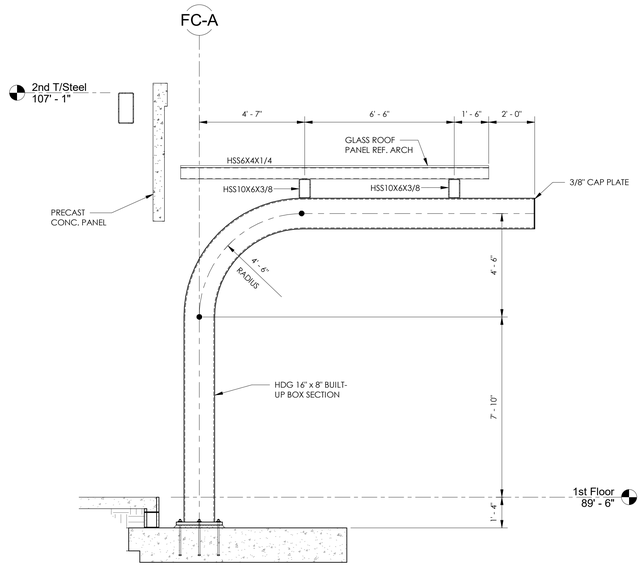
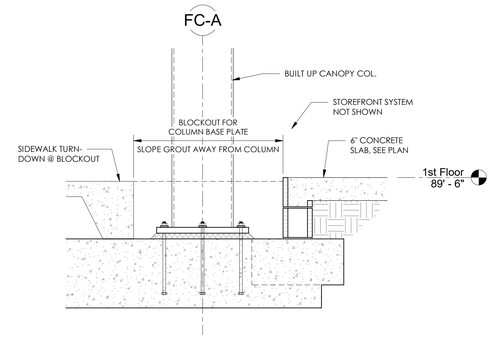


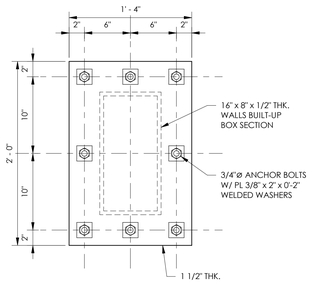
A S3.5 Entry Canopy Framing Plan
1/4" = 1'-0"



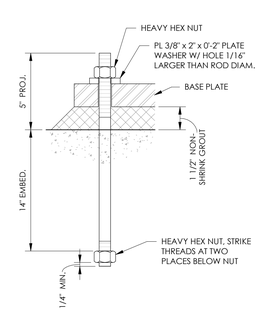
B S3.5 Entry Canopy Elevation
3/8" = 1'-0"



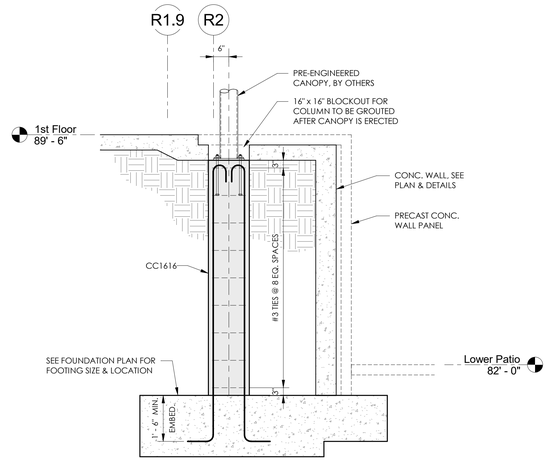
C S3.5 Front Canopy Base Details
3/4" = 1'-0"



D S3.5 Front Canopy Pedestal Reinf.
1 1/2" = 1'-0"



E S3.5 Typical Canopy Anchor Bolt
3" = 1'-0"



F S3.5 Section @ Patio Canopy Support
1/2" = 1'-0"

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100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
YLC - Front & Side Canopy Details

S3.5 of

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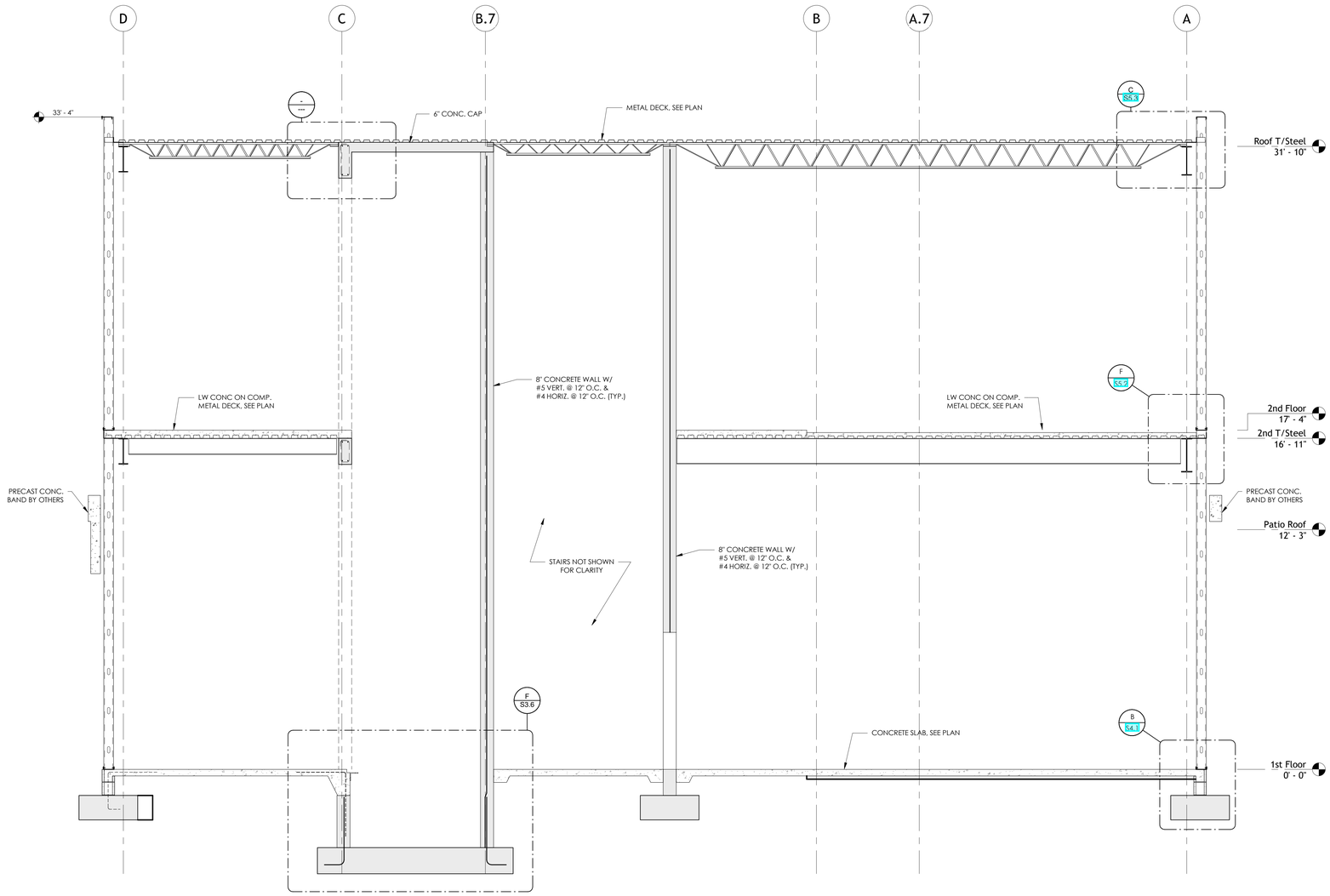
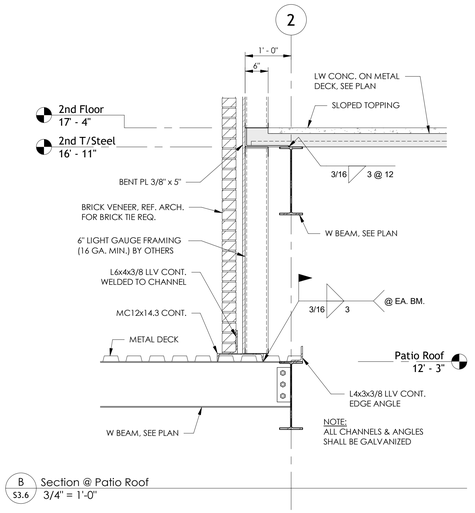
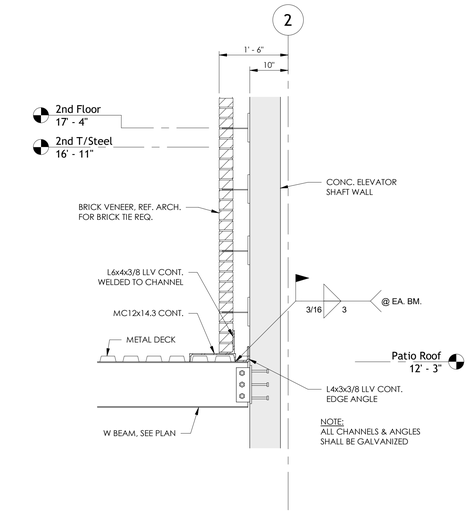


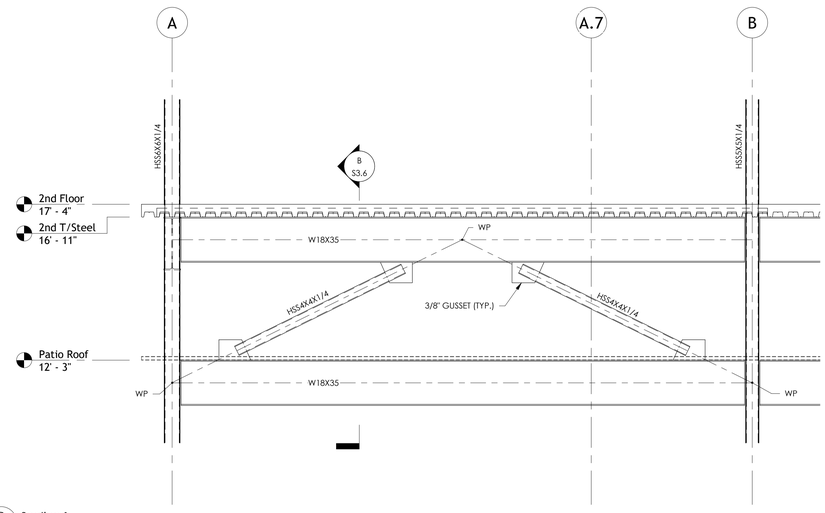
A S3.6 Section Thru Stair Tower
3/8" = 1'-0"



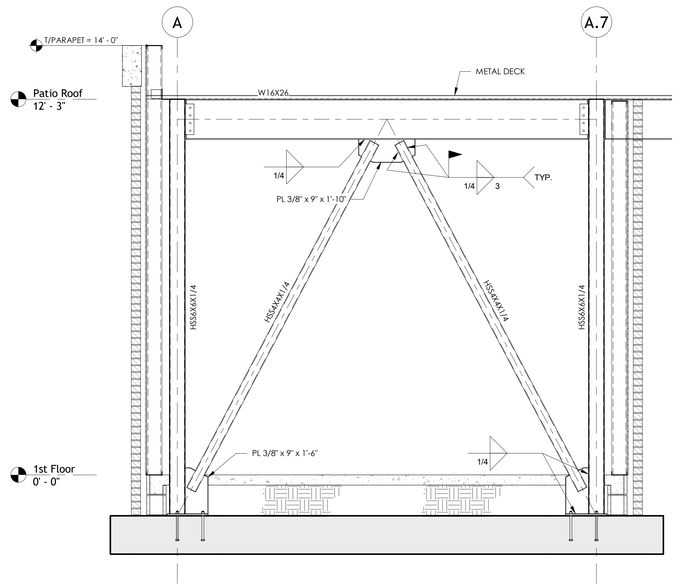
B S3.6 Section @ Patio Roof
3/4" = 1'-0"



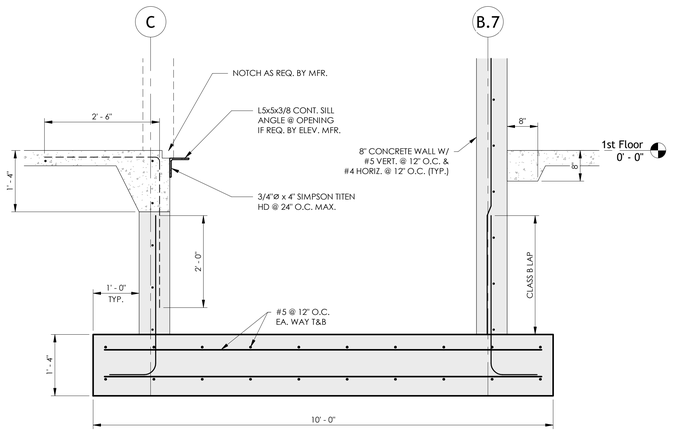
C S3.6 Section @ Patio Roof @ Conc. Wall
3/4" = 1'-0"



D S3.6 Section 1
1/2" = 1'-0"



E S3.6 Braced Frame Elevation
1/2" = 1'-0"



F S3.6 Elevator Pitch Footing
3/4" = 1'-0"

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Revision

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PROJECT # **24425**
PHASE: Construction Documents

SHEET TITLE
BH - Sections

S3.6 of

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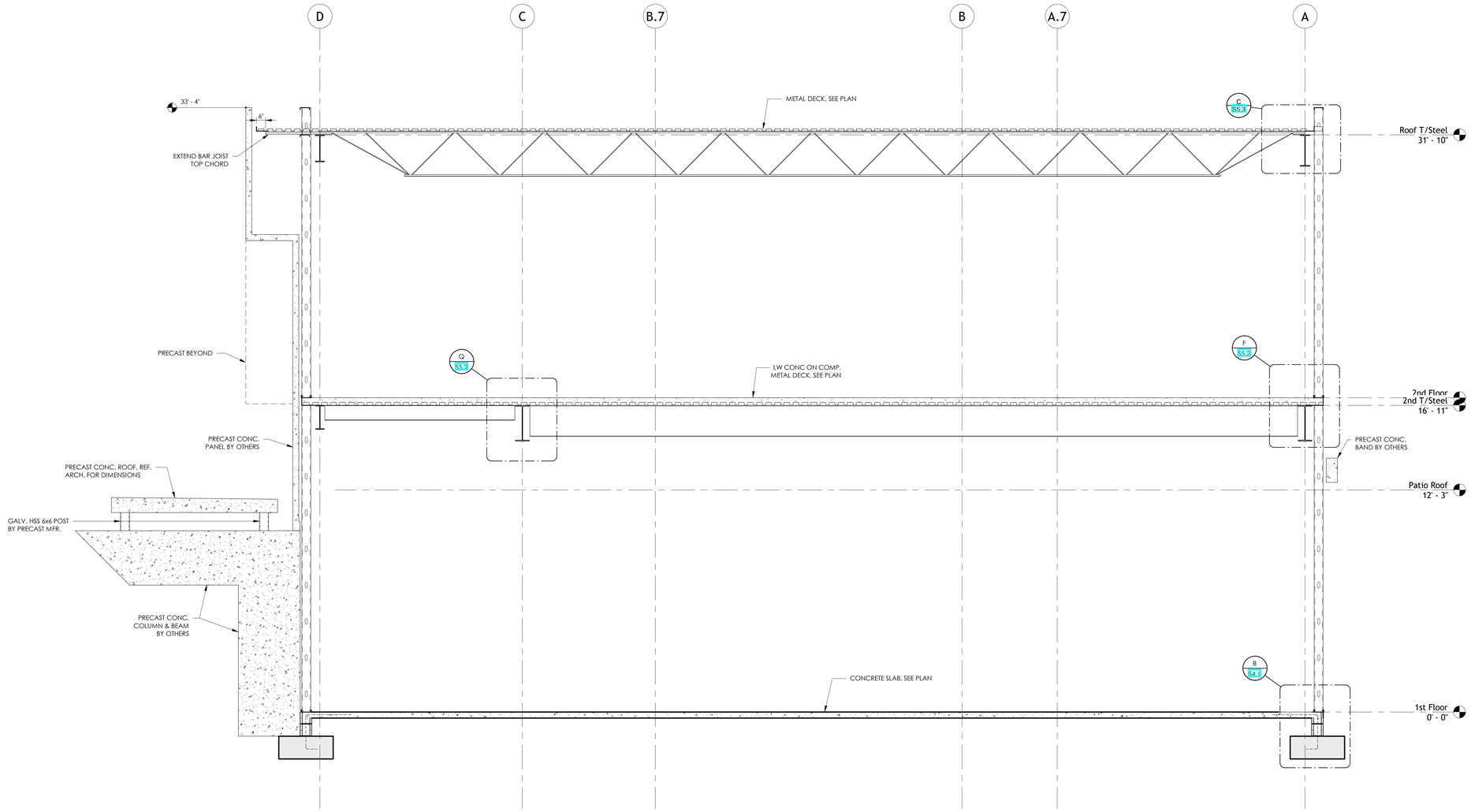
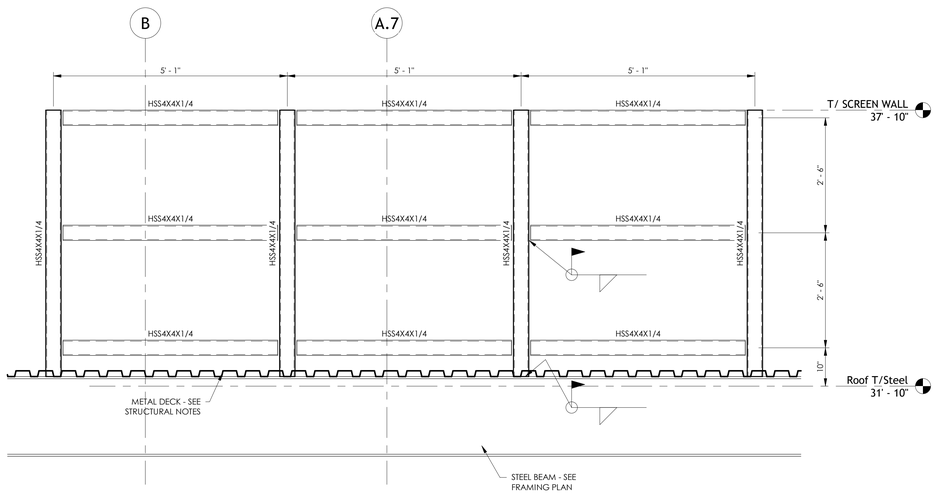


A S3.7 Section @ Entrance
3/8" = 1'-0"



B S3.7 Screen Wall Elevation
3/4" = 1'-0"

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Tallahassee, Florida 32308
Office: 850.727.5367
Authorization No. 31293
KME Project #22349

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
Clemons,Rutherford, & Associates, Inc.
■
Architects
Planners
Interior Designers
Construction Managers
■
2027 Thomasville Road
Tallahassee, Florida 32308
■
(850) 385-6153
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cra@craarchitects.com

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Submittal

Phase	Date	Drw	Chk
DD	2-28-25	BEK	BEK
50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
BH - Sections

S3.7 of

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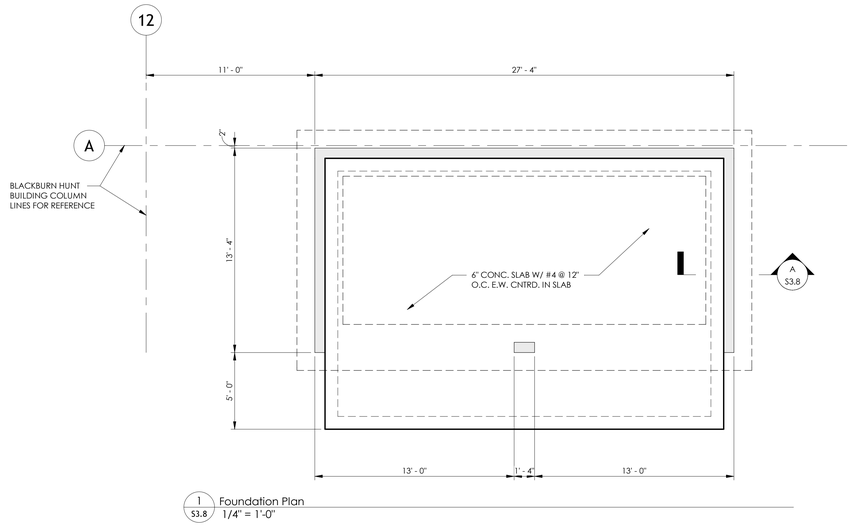
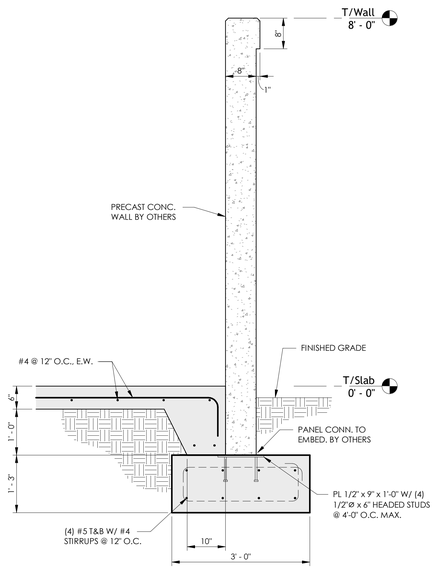


1 S3.8 Foundation Plan
1/4" = 1'-0"



A S3.8 Typical Dumpster Enclosure Wall Section
3/4" = 1'-0"

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KME Project #22349

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TALLAHASSEE, FL

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100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # **24425**

PHASE: Construction Documents

SHEET TITLE
BH - Dumpster Enclosure

S3.8 of

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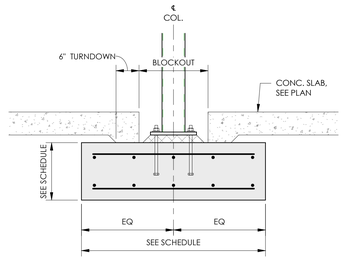
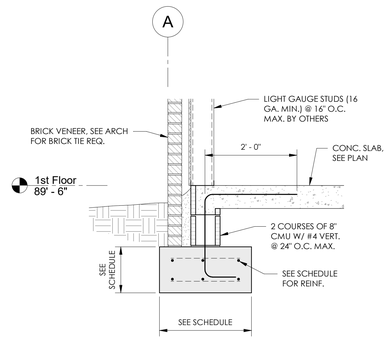
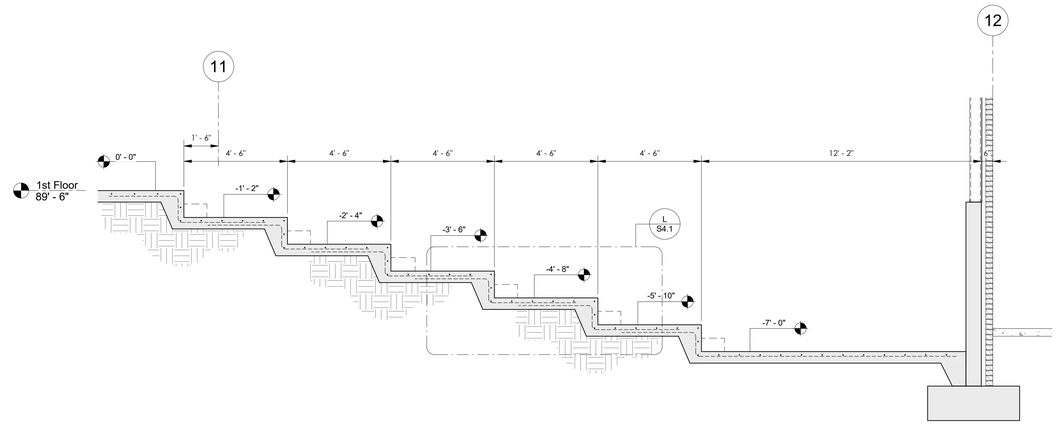


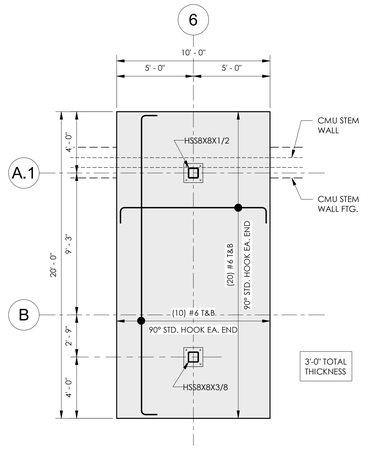
A S4.1 Typical Column Foundation
3/4" = 1'-0"



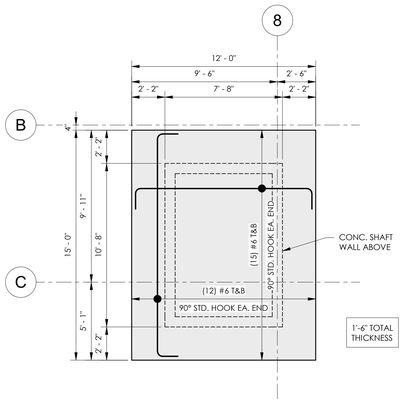
B S4.1 Typical Exterior Wall Section
3/4" = 1'-0"



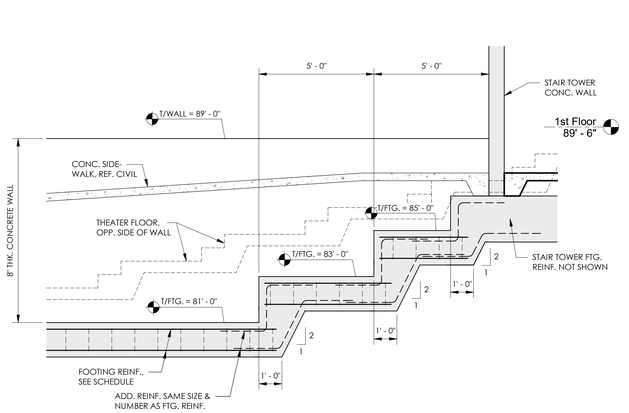
C S4.1 Theater Floor Section
Scale: 3/8" = 1'-0"



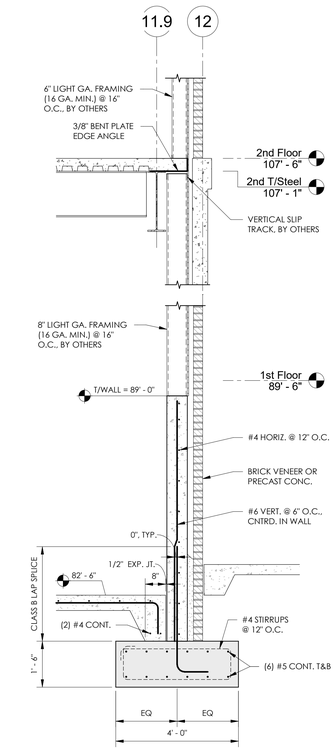
D S4.1 Footing F1020 Details
1/4" = 1'-0"



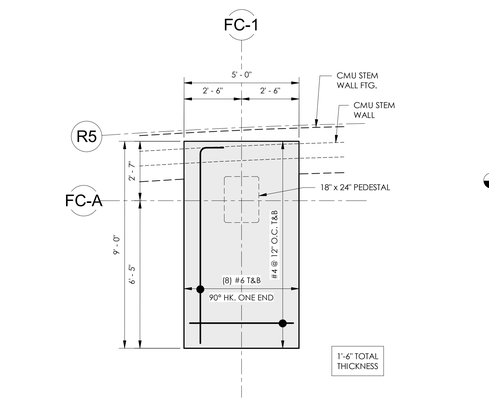
E S4.1 Footing F1215 Details
1/4" = 1'-0"



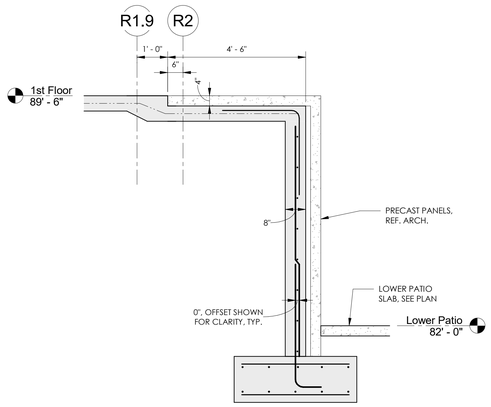
F S4.1 West Theater Wall Footing
3/8" = 1'-0"



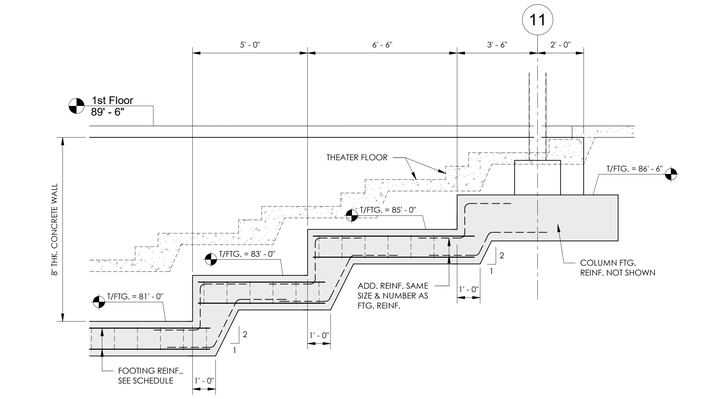
K S4.1 Theater Wall Section
1/2" = 1'-0"



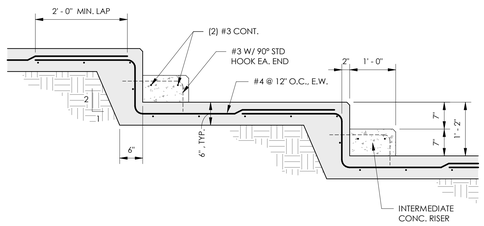
G S4.1 Footing F59 Details
3/8" = 1'-0"



H S4.1 Section @ Conc. Stem Wall
Scale: 1/2" = 1'-0"



J S4.1 East Theater Wall Footing
3/8" = 1'-0"



L S4.1 Theater Floor Details
3/4" = 1'-0"

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100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # **24425**
PHASE: Construction Documents

SHEET TITLE
Foundation Details

S4.1 of

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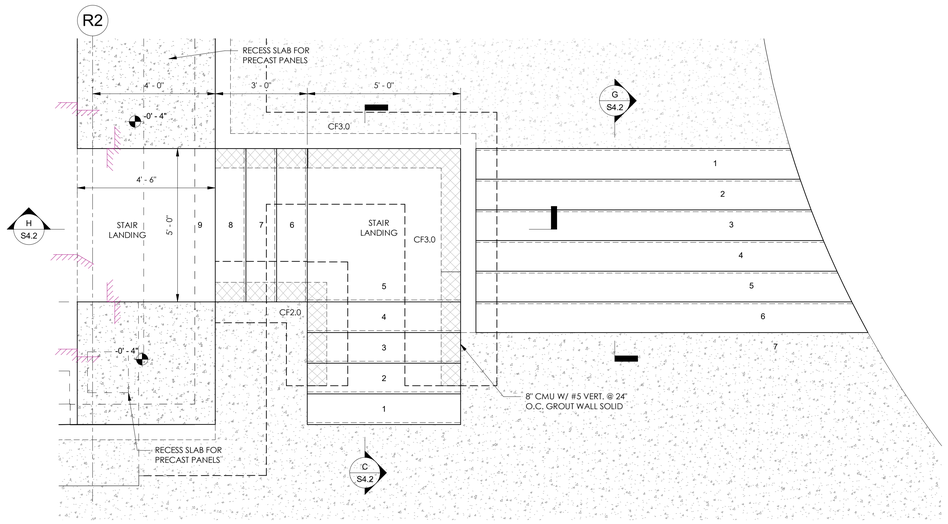
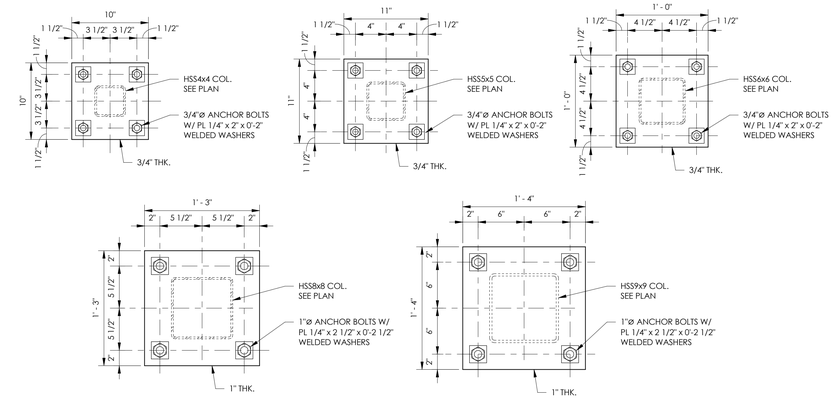
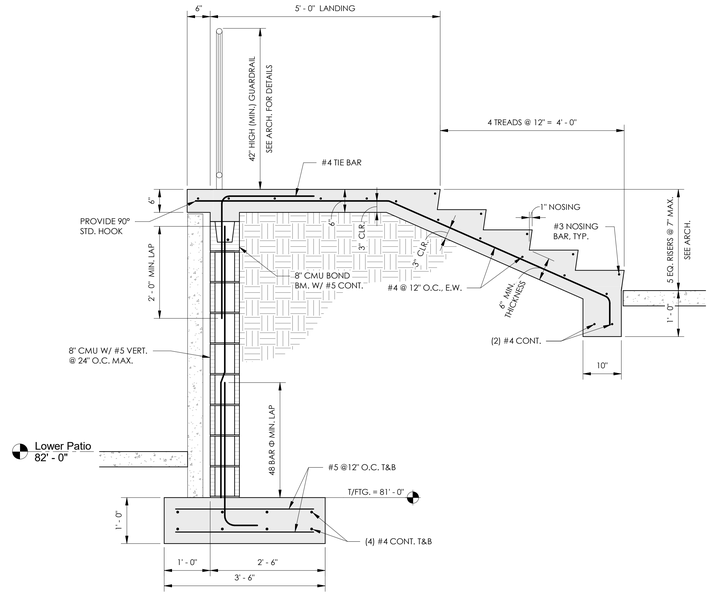


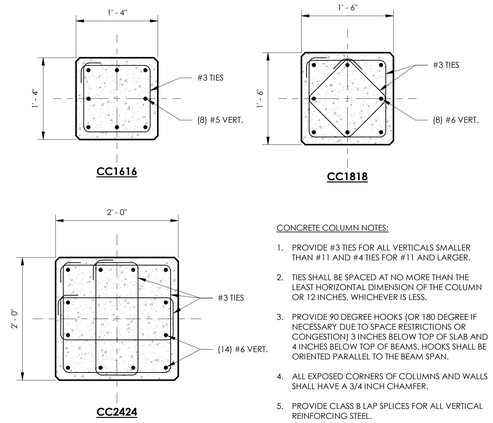
A S4.2 Patio Stair Layout Plan
1/2" = 1'-0"



B S4.2 Typical Base Plate Details
1 1/2" = 1'-0"



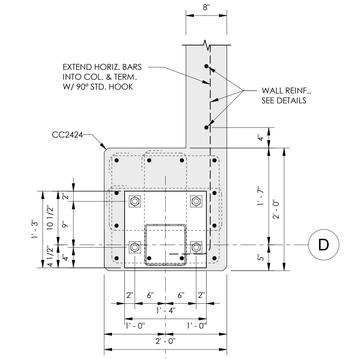
C S4.2 Lower Patio Stair Section
3/4" = 1'-0"



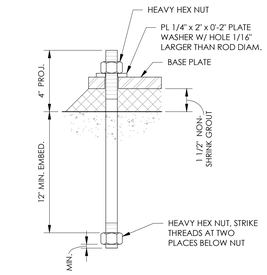
CONCRETE COLUMN NOTES:

1. PROVIDE #3 TIES FOR ALL VERTICALS SMALLER THAN #11 AND #4 TIES FOR #11 AND LARGER.
2. TIES SHALL BE SPACED AT NO MORE THAN THE LEAST HORIZONTAL DIMENSION OF THE COLUMN OR 12 INCHES, WHICHEVER IS LESS.
3. PROVIDE 90 DEGREE HOOKS (OR 180 DEGREE IF NECESSARY DUE TO SPACE RESTRICTIONS OR CONGESTION) 3 INCHES BELOW TOP OF SLAB AND 4 INCHES BELOW TOP OF BEAMS. HOOKS SHALL BE ORIENTED PARALLEL TO THE BEAM SPAN.
4. ALL EXPOSED CORNERS OF COLUMNS AND WALLS SHALL HAVE A 3/4 INCH CHAMFER.
5. PROVIDE CLASS B LAP SPLICES FOR ALL VERTICAL REINFORCING STEEL.

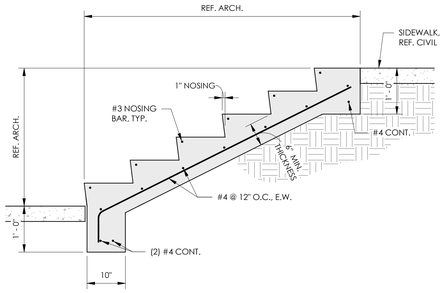
D S4.2 Concrete Columns
1" = 1'-0"



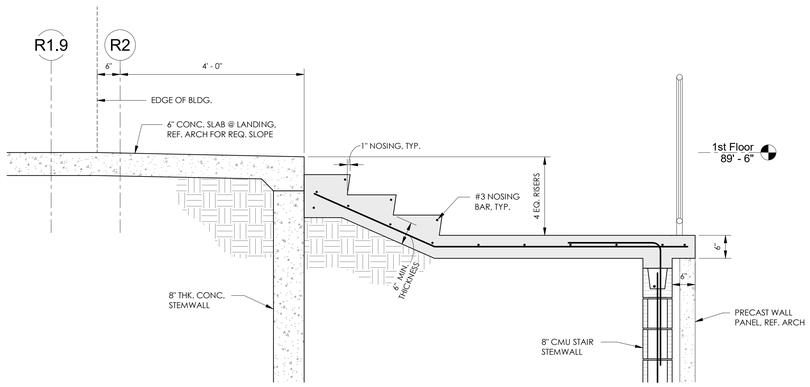
E S4.2 Column D-11.9 Details
1" = 1'-0"



F S4.2 Typical Anchor Bolt Details
3" = 1'-0"



G S4.2 Typical Stair Section
3/4" = 1'-0"



H S4.2 Section @ Exterior Stair
3/4" = 1'-0"

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Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
Foundation Details

S4.2 of

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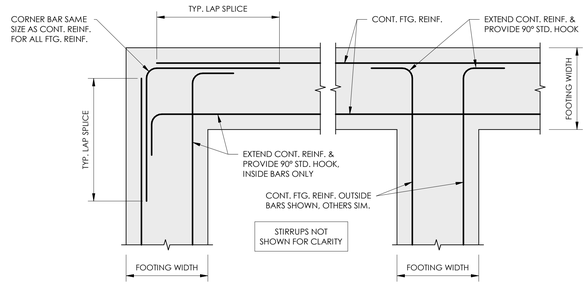
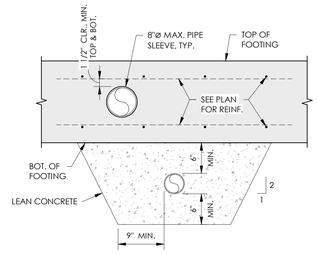
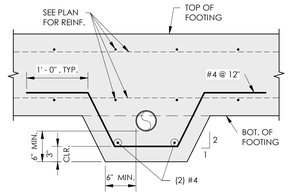


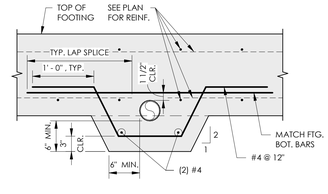
A S4.3 FOOTING REINF. AT INTERSECTIONS
1" = 1'-0"



PIPE WITHIN OR BELOW FOOTING

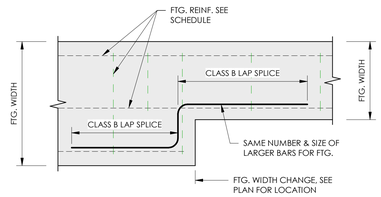


PIPE CONFLICTS WITH BOTTOM OF FOOTING

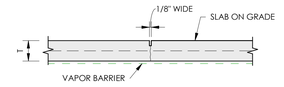


PIPE CONFLICTS WITH FOOTING REINFORCEMENT

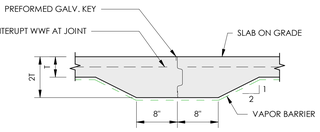
B S4.3 FOOTING PENETRATIONS
1" = 1'-0"



C S4.3 Reinf. @ Footing Width Change
3/4" = 1'-0"

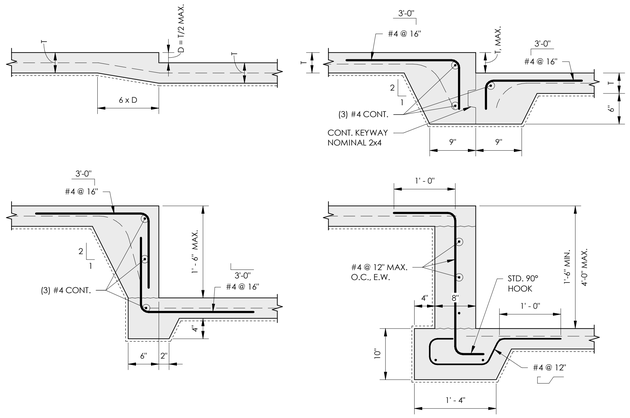


SAWCUT CONTROL JOINT (SCJ)
NOTE: SAWCUT SLAB WITHIN 12 HOURS OF POURING SLAB.

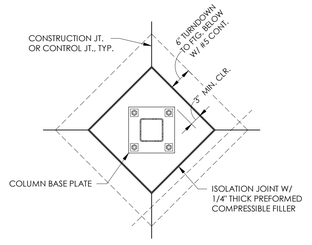


FULL CONSTRUCTION JOINT (FCJ)

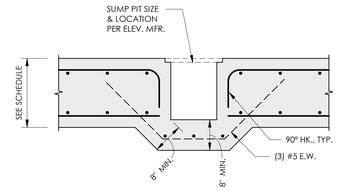
NOTES:
1. REFER TO ARCHITECTURAL FLOOR PLANS FOR JOINT LAYOUT AT EXPOSED FLOORS. AT ALL OTHER LOCATIONS, LAYOUT JOINTS WITH MAXIMUM SPACING OF 12'-0" ON CENTER AND A MAXIMUM LENGTH TO WIDTH RATIO FOR JOINT SPACING OF 2:1.
2. RIPS, TEARS, AND HOLES IN VAPOR BARRIERS SHALL BE REPAIRED PRIOR TO PLACING CONCRETE.
3. ALL SLABS SHALL BE CURED WITH A MOISTURE RETAINING COVER FOR A MINIMUM OF SEVEN DAYS.
4. ALL JOINTS SHOWN IN PLANS ARE SCHEMATIC. CONTRACTOR SHALL SUBMIT JOINT LOCATION PLAN FOR ARCHITECTURAL APPROVAL.



D S4.3 SLAB ON GRADE JOINTS
1" = 1'-0"



F S4.3 Typical Slab Blockout at Column
3/4" = 1'-0"



G S4.3 Elevator Sump Pit Details
3/4" = 1'-0"

E S4.3 Slab on Grade Steps
1" = 1'-0"

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Authorization No. 31293
KME Project #22349

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

CRA ARCHITECTS
Clemons,Rutherford, & Associates, Inc.
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Submittal

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50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # **24425**
PHASE: Construction Documents

SHEET TITLE
Foundation Details

S4.3 of

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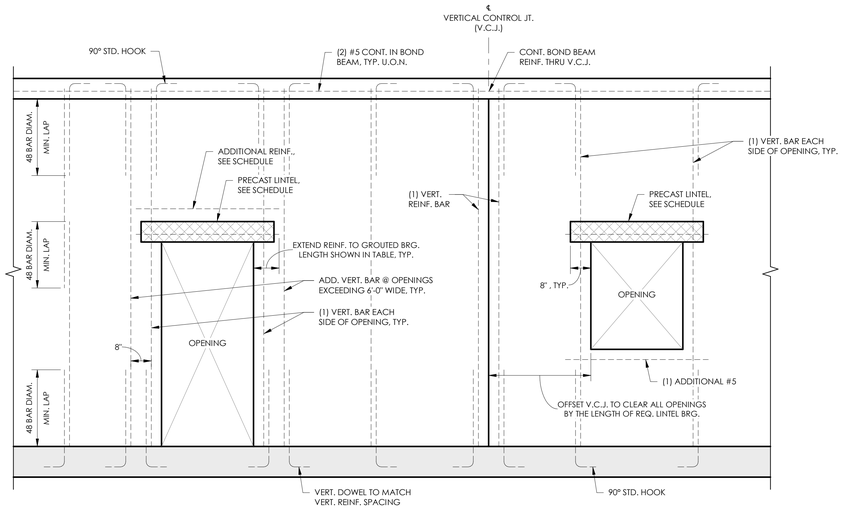
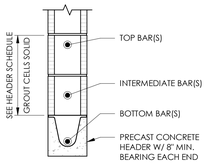


A 55.1 Typical Masonry Wall Reinf. Elevation
1/2" = 1'-0"

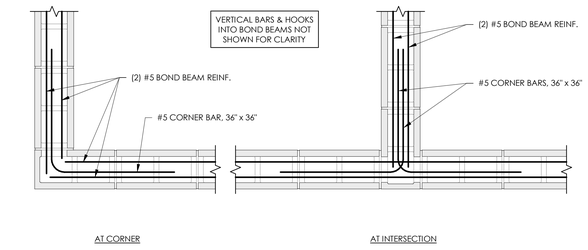
MASONRY LINTEL SCHEDULE (U.O.N. ON DRAWINGS)						
CLEAR SPANS	PRECAST LINTEL TYPE	DEPTH	GROUTED BRG.	BOT. BARS	INTERM. BARS	TOP BARS
SPAN ≤ 2'-0"	PRECAST	8"	8" EA. END	GROUT SOLID	-	-
2'-0" < SPAN ≤ 3'-8"	PRECAST	8"	8" EA. END	(1) #5	-	-
3'-8" < SPAN ≤ 6'-0"	PRECAST	16"	8" EA. END	(1) #5	-	-
6'-0" < SPAN ≤ 8'-0"	PRECAST	16"	16" EA. END	(1) #5	-	(1) #5
8'-0" < SPAN ≤ 10'-0"	PRECAST	16"	16" EA. END	(1) #5	-	(1) #5
10'-0" < SPAN ≤ 12'-0"	PRECAST	24"	16" EA. END	(1) #5	-	(1) #5
12'-0" < SPAN ≤ 13'-4"	PRECAST	24"	16" EA. END	(1) #5	(1) #5	(1) #5
13'-4" < SPAN ≤ 14'-0"	PRESTRESSED	24"	24" EA. END	(1) #5	(1) #5	(1) #5
14'-0" < SPAN ≤ 17'-4"	PRESTRESSED	32"	24" EA. END	(1) #5	(1) #5	(1) #5

NOTES:

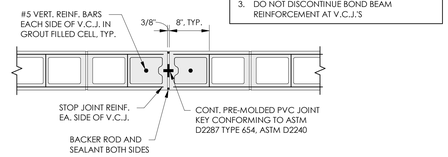
1. PRECAST LINTELS SHALL BE AS MANUFACTURED BY CAST-CRETE OR APPROVED EQUIVALENT.
2. ALL PRECAST CONCRETE LINTELS SHALL HAVE NO LESS THAN 8" BEARING ON JAMB.
3. IF GROUTED BEARING SHOWN CANNOT BE OBTAINED, CONTACT THE ENGINEER OF RECORD.
4. TOP REINFORCING BARS TO BE 1 1/2" CLEAR FROM TOP OF LINTEL BEAM. BOTTOM REINFORCING BARS TO BE 1/2" CLEAR FROM BOTTOM OF PRECAST CONCRETE BEAM.
5. REINFORCING STEEL SHALL HAVE 1/2" CLEARANCE FROM INTERIOR FACE OF VOID.
6. DO NOT NOTCH OR CUT LINTEL BEAMS FOR DUCTS, PIPES, OR OTHER OPENINGS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD.



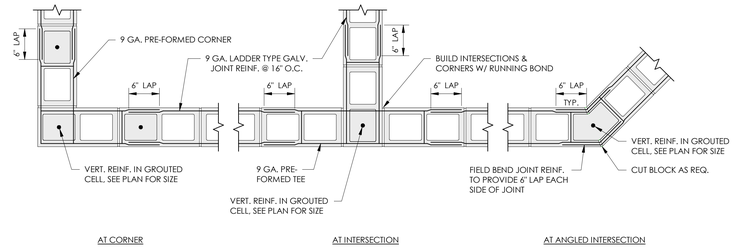
D 55.1 Typical Header Schedule
1" = 1'-0"



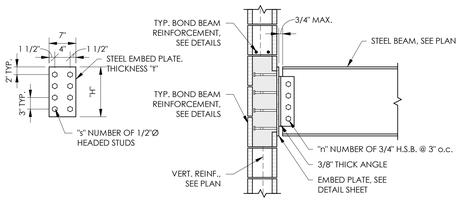
B 55.1 Typical Bond Beam Reinforcing Details
1" = 1'-0"



C 55.1 Typical Vertical Control Joint Details
1" = 1'-0"



E 55.1 Typical Masonry Wall Reinforcing Details
1" = 1'-0"



BEAM TO CMU CONNECTION SCHEDULE					
BEAM DEPTH	"H" (IN)	"t" (IN)	"s"	"n"	"L" (IN)
10"	7"	5/16	4	4	6
12"	7"	5/16	4	2	6
14"	10"	3/8	6	3	9
16"	13"	3/8	8	4	12
18"	13"	1/2	8	4	12
21"	16"	1/2	10	5	15
24"	19"	1/2	12	6	18

H - EMBED PLATE DEPTH
t - EMBED PLATE THICKNESS
s - NUMBER OF 1/2"Ø x6" LONG, HEADED STUDS
n - NUMBER OF 3/4"Ø H.S.B., ASTM A325
L - LENGTH OF CONNECTION ANGLE

F 55.1 Typical Steel Beam Framing Into Masonry Wall
3/4" = 1'-0"

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Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
Masonry Details

S5.1 of

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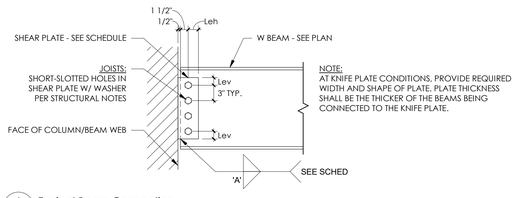
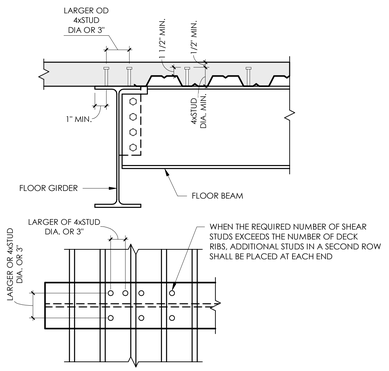
BEAM CONNECTION SCHEDULE

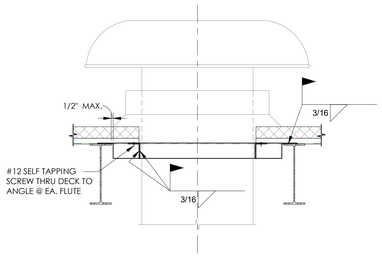
BEAM DEPTH	SHEAR PLATE INFORMATION			BOLTS W/ STD. WASHERS OVER SLOTTED		WELD "A"	REMARKS
	PL. DIMENSIONS W/ SHORT-SLOTTED HOLES	Lev	Leh	No.	SIZE		
W8, W10	PL. 1/4" x 4"	1 1/2"	2"	2	3/4" Ø	3/16"	
W12, W14	PL. 5/16" x 4"	1 1/2"	2"	3	3/4" Ø	1/4"	
W16	PL. 5/16" x 4"	1 1/2"	2"	4	3/4" Ø	1/4"	
W18	PL. 3/8" x 4"	1 1/2"	2"	5	7/8" Ø	1/4"	
W21	PL. 3/8" x 4"	1 1/2"	2"	6	7/8" Ø	1/4"	
W24	PL. 3/8" x 4"	1 1/2"	2"	7	7/8" Ø	1/4"	
W27	PL. 3/8" x 4"	1 1/2"	2"	8	7/8" Ø	1/4"	
W30	PL. 1/2" x 4"	1 3/4"	2"	9	7/8" Ø	5/16"	



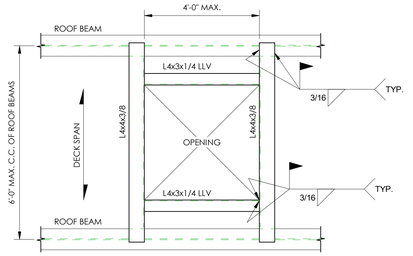
A S5.2 Typical Beam Connection
Scale: 1" = 1'-0"



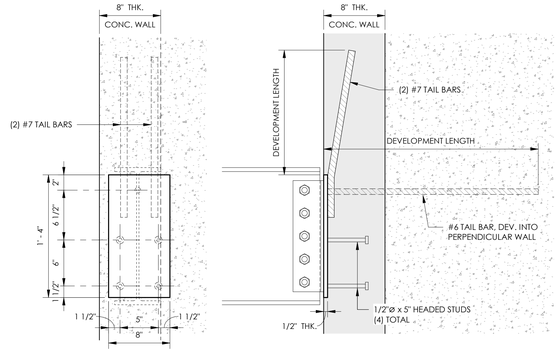
B S5.2 Shear Studs Placement
Scale: 1" = 1'-0"



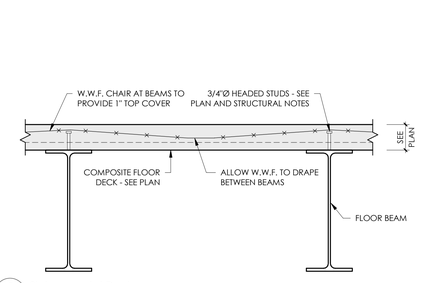
NOTES:
1. COORDINATE OPENING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. DO NOT CUT OPENINGS UNTIL IMMEDIATELY BEFORE THEY ARE NEEDED.
3. VERIFY FRAMING WITH ENGINEER WHERE DIMENSIONS EXCEED MAXIMUM DIMENSIONS SHOWN IN THIS DETAIL.



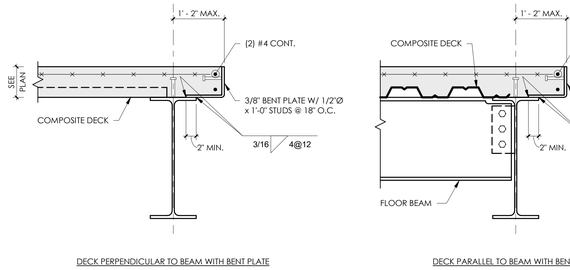
C S5.2 Typical Roof Penetration (Large Opening)
3/4" = 1'-0"



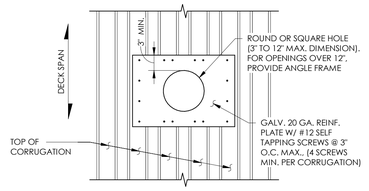
D S5.2 Connection of W18 to Concrete
1 1/2" = 1'-0"



E S5.2 Slab on Metal Deck
Scale: 1" = 1'-0"

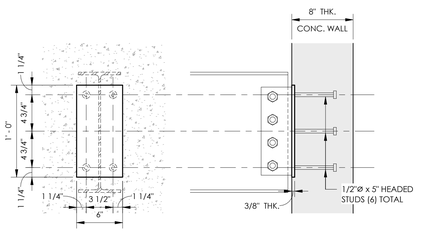


F S5.2 Typical Slab Edge
Scale: 1" = 1'-0"

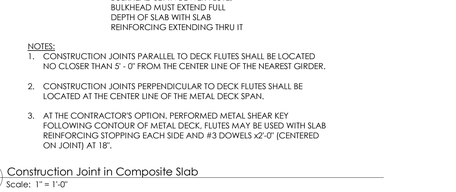


NOTE:
DECK OPENINGS ARE TO BE FABRICATED SO THAT DECKING RUNS CONTINUOUSLY OVER OPENING. THE OPENINGS IN THE DECK ARE NOT TO BE CUT UNTIL OPENING IS NEEDED (PER OSHA) AND REINFORCING PLATE HAS BEEN INSTALLED.

G S5.2 Typical Roof Penetration (Small Opening)
1" = 1'-0"

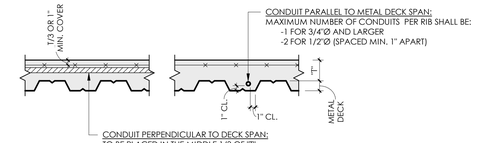


H S5.2 Typical Embed Plate Details
1 1/2" = 1'-0"



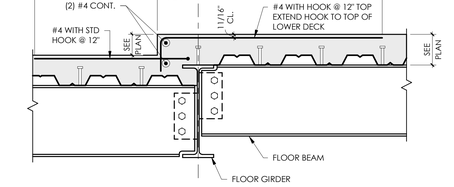
NOTES:
1. CONSTRUCTION JOINTS PARALLEL TO DECK FLUTES SHALL BE LOCATED NO CLOSER THAN 5' - 0" FROM THE CENTER LINE OF THE NEAREST GIRDER.
2. CONSTRUCTION JOINTS PERPENDICULAR TO DECK FLUTES SHALL BE LOCATED AT THE CENTER LINE OF THE METAL DECK SPAN.
3. AT THE CONTRACTOR'S OPTION, PERFORMED METAL SHEAR KEY FOLLOWING CONTOUR OF METAL DECK. FLUTES MAY BE USED WITH SLAB REINFORCING STOPPING EACH SIDE AND #3 DOWELS x2'-0" (CENTERED ON JOINT) AT 18".

J S5.2 Construction Joint in Composite Slab
Scale: 1" = 1'-0"

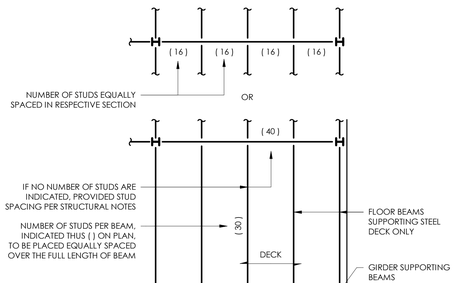


NOTES:
1. CONDUIT TO BE PVC OR GALVANIZED STEEL. NO ALUMINUM CONDUIT ALLOWED.
2. REFER TO MEP DRAWINGS FOR LOCATION AND SIZE OF CONDUITS.
3. PROVIDE CHAIRS TO SUPPORT ALL CONDUITS.
4. PROVIDE MINIMUM 18" O.C. CLEARANCE BETWEEN CONDUITS.
5. MAXIMUM CONDUIT OUTSIDE DIAMETER = T/3 OR 1/2" MAX. PREPARE AND SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW WHEN LARGER CONDUITS ARE REQUIRED.
6. "T" REPRESENTS DEPTH OF SLAB ABOVE DECK.

K S5.2 Typical Detail for Conduit in Slab
Scale: 1" = 1'-0"

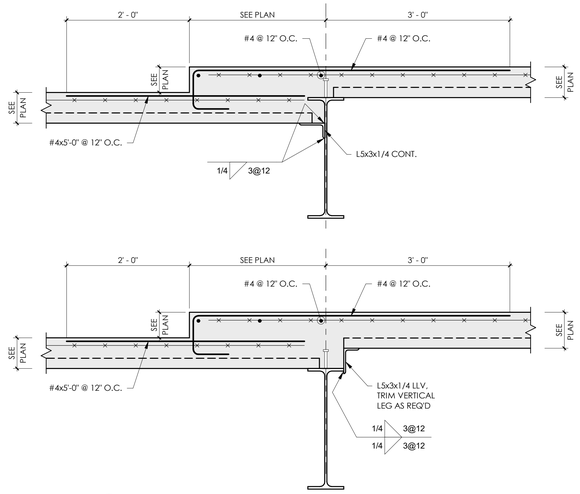


L S5.2 Slab Step Near Girder
Scale: 1" = 1'-0"

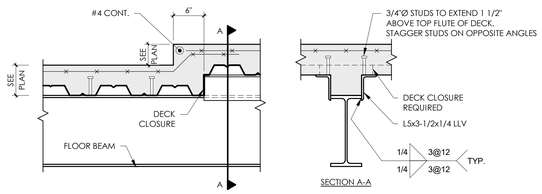


NOTE:
REFER TO STRUCTURAL NOTES AND PLANS FOR SHEAR STUDS DIAMETER AND LENGTH.

M S5.2 Shear Studs Placement Plan
Scale: 1" = 1'-0"

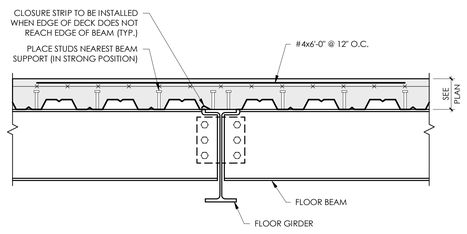


N S5.2 Typical Slab Step
Scale: 1" = 1'-0"

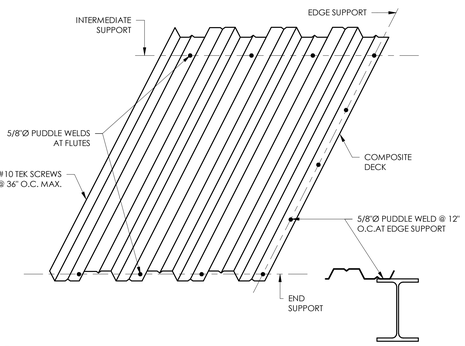


SECTION A-A

P S5.2 Typical Slab Step Along Beam Span
Scale: 1" = 1'-0"



Q S5.2 Girder With Beams on Both Sides
Scale: 1" = 1'-0"



R S5.2 Composite Deck Attachment
Scale: 1" = 1'-0"

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100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
Steel Details

S5.2 of

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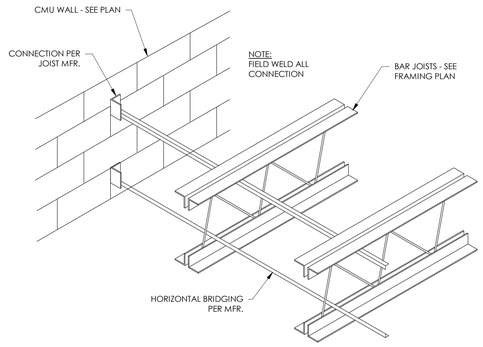
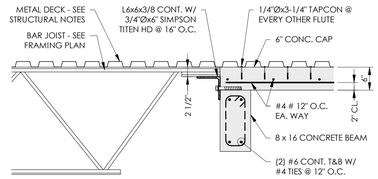
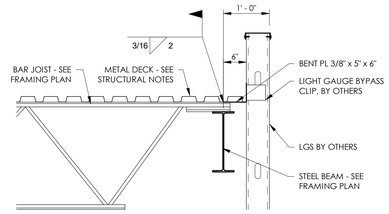


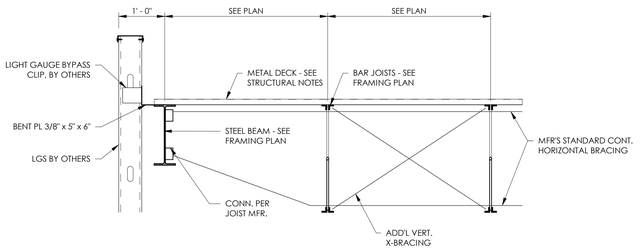
A S5.3 Horizontal Bridging Detail
3/4" = 1'-0"



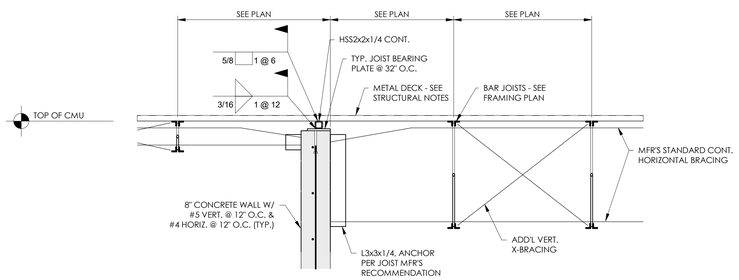
B S5.3 Joist Bearing @ Concrete Beam
3/4" = 1'-0"



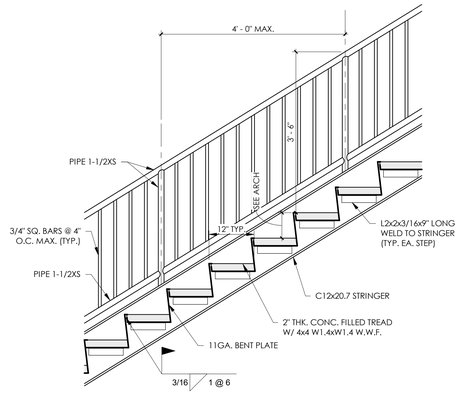
C S5.3 Joist Bearing @ Steel Beam
3/4" = 1'-0"



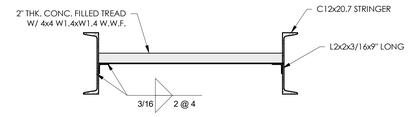
D S5.3 Joist to Beam Detail
3/4" = 1'-0"



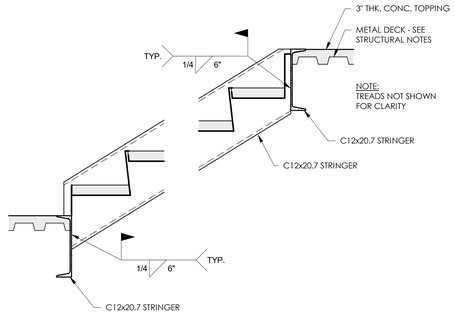
E S5.3 Joist to CMU Detail
3/4" = 1'-0"



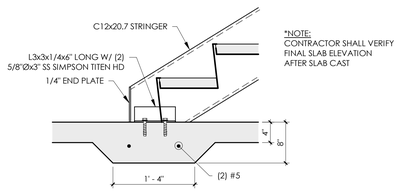
F S5.3 Stair Section
3/4" = 1'-0"



G S5.3 Stair Section
1" = 1'-0"



H S5.3 Stringer to Landing Connection
1" = 1'-0"



J S5.3 Stringer to Slab Connection
1" = 1'-0"

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Authorization No. 31293
KME Project #22349

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL

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This item has been digitally signed and sealed on the date shown in the digital seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Submittal

Phase	Date	Drw	Chk
DD	2-28-25	BEK	BEK
50% CD	4-15-25	BEK	BEK
100% CD	7-18-25	BEK	BEK

Revision

#	Description	Date

PROJECT # 24425
PHASE: Construction Documents

SHEET TITLE
Steel Details

S5.3 of

C:\Users\BenEckert\Kever Mckee Dropbox\Ben Eckert\Kever Mckee Projects\2025 Projects\24425 - FSA LEARNING CENTER AND BBH\Civil\Sheet\24425 - FSA LEARNING CENTER AND BBH.dwg

SYSTEM LAYOUT DOCUMENT REQUIREMENTS (ABOVE MINIMUM THRESHOLD)

1. THESE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS ARE INTENDED TO BE COMPLIANT WITH RULE 61G15-32.004, FLORIDA ADMINISTRATIVE CODE, AND REPRESENT THE DESIGN INTENT FOR THE FIRE SUPPRESSION SYSTEM.

   a. THE SCOPE OF THE PROJECT IS ABOVE THE THRESHOLD REQUIREMENTS FOR MANDATORY USE OF PROFESSIONAL ENGINEERING SERVICES, AS DEFINED IN CHAPTER 633.102, FLORIDA STATUTES AND FLORIDA BUILDING CODE 105.3.1.2. THEREFORE, THESE DOCUMENTS COMPLY WITH THE REQUIREMENTS OF RULE 61G15-32.004(4) "A" THROUGH "M", F.A.C.
   b. THE FIRE SUPPRESSION SYSTEM CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FIRE SUPPRESSION SYSTEM FOR THE ENTIRE BUILDING APPROVED BY THE APPLICABLE NFPA CODES AND BY THE AUTHORITY HAVING JURISDICTION.

2. ENGAGE EITHER A LICENSED CONTRACTOR OR A QUALIFIED PROFESSIONAL ENGINEER TO PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS (AS DEFINED BY 61G15-32.002, F.A.C.) FOR THE FIRE SUPPRESSION SYSTEMS BASED UPON THE ENGINEERING DIRECTION (PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA) PROVIDED IN THE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS.

   a. IF PREPARED BY A LICENSED CONTRACTOR, THESE DOCUMENTS DO NOT REQUIRE THE SEAL OF A LICENSED ENGINEER.
   b. IF PREPARED BY A LICENSED ENGINEER, THESE DOCUMENTS ARE ENGINEERING DOCUMENTS AND THEREFORE REQUIRE SEALING BY A LICENSED ENGINEER.

3. PRIOR TO INSTALLATION, THE FIRE SUPPRESSION CONTRACTOR SHALL PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS, INCLUDING HYDRAULIC CALCULATIONS, SUBMITTED TO THE ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION, INCLUDING THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO:

   a. SPRINKLER SYSTEM WORKING PLANS, INCLUDING SPRINKLER SYSTEM LAYOUT, NODE IDENTIFICATION, AND NODE SPOT ELEVATIONS.
   b. WATER SUPPLY INFORMATION.
   c. SPRINKLER SYSTEM DESIGN AND HYDRAULIC CALCULATIONS, INCLUDING DETAILED WORKSHEETS AND GRAPH OF WATER SUPPLY CURVE AND SYSTEM DEMAND.
   d. PRODUCT DATA WITH SPECIFIC SYSTEM COMPONENTS IDENTIFIED.
   e. ANY ADDITIONAL INFORMATION AS REQUIRED TO COMPLY WITH CHAPTER 8 "PLANS AND CALCULATIONS" IN NFPA 13 AND NFPA 14.

4. SIZE PIPING TO PROVIDE AN EXCESS RESIDUAL PRESSURE (OR MARGIN OF SAFETY) OF 10 PSI AT THE SYSTEM DESIGN FLOW AT THE BASE OF THE RISER.

5. LAYOUT DRAWINGS CONTAINING MATERIAL DEVIATIONS (AS DEFINED BY 61G15-32.002, F.A.C.) SHALL BE ACCOMPANIED BY SEALED, SIGNED, AND DATED ENGINEERING DOCUMENTS.

OCCUPANCY CLASSIFICATION BY SPACE TYPE

SPACE TYPE	OCCUPANCY HAZARD CLASSIFICATION	TEMPERATURE CLASSIFICATION
GENERAL (EXCEPT AS LISTED BELOW)	LIGHT HAZARD	ORDINARY
A / V ROOMS	ORDINARY HAZARD - GROUP 1	ORDINARY
EDUCATIONAL / CLASSROOMS	LIGHT HAZARD	ORDINARY
ELECTRICAL ROOMS	ORDINARY HAZARD - GROUP 1	ORDINARY
ELEVATOR MACHINE ROOMS	ORDINARY HAZARD - GROUP 1	INTERMEDIATE
JANITOR'S CLOSETS	ORDINARY HAZARD - GROUP 1	ORDINARY
KITCHEN	ORDINARY HAZARD - GROUP 1	INTERMEDIATE
LIBRARY (EXCLUDING STACKS)	LIGHT HAZARD	ORDINARY
MISC. EQUIPMENT ROOMS	ORDINARY HAZARD - GROUP 1	ORDINARY
MUSEUMS	LIGHT HAZARD	ORDINARY
OFFICES / CONFERENCE ROOMS	LIGHT HAZARD	ORDINARY
STORAGE	ORDINARY HAZARD - GROUP 1	ORDINARY
TELECOMMUNICATION	ORDINARY HAZARD - GROUP 1	ORDINARY
THEATERS / AUDITORIUMS (EXCLUDING STAGES)	LIGHT HAZARD	ORDINARY

OCCUPANCY HAZARD CLASSIFICATION TYPES

CLASSIFICATION	DESIGN DENSITY (GPM / SF)	REMOTE AREA (SF)	MAXIMUM SPACING (FT)	MAXIMUM PROTECTION AREA (SF)	OUTSIDE HOSE ALLOWANCE (GPM)	WATER SUPPLY DURATION (MIN)
LIGHT HAZARD	0.10	1,500	15	225	100	30
ORDINARY HAZARD - GROUP 1	0.15	1,500	15	130	250	90

PIPING AND FITTINGS

	CAP
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	NEW PIPE
FWP	WET PIPE
FDP	DRY PIPE
D	DRAIN PIPING
	FIRE DEPARTMENT CONNECTION (SIAMESE INLET)
	STRAINER
	UNION

VALVES

N.O. N.C.	BALL VALVE
N.O. T.E.C.	BUTTERFLY VALVE
	CHECK VALVE
PIV	POST INDICATING VALVE
N.O. T.E.C.	GATE VALVE
N.O. T.E.C.	GLOBE VALVE
PIV	PRE-ACTION VALVE
	SPRING CHECK VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
VALVE ACTUATORS:	
	QUARTER TURN LEVER

MEASUREMENTS AND CONTROLS

FS	FLOW SWITCH
TS	TAMPER SWITCH
PS	PRESSURE SWITCH
AAV	AUTOMATIC AIR VENT AND ISOLATION VALVE
	PRESSURE GAUGE AND ISOLATION VALVE
	VENTURI FLOW METER

MISCELLANEOUS

	POINT OF CONNECTION, FIRE PROTECTION TO CIVIL

FIRE PROTECTION NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE PLUMBING CODE, LISTED EDITION N.F.P.A. FIRE CODES, LOCAL PLUMBING CODES, AND APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES. WHERE CONFLICTS BETWEEN CODE AND CONSTRUCTION DOCUMENTS OCCUR, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. COORDINATE EXACT LOCATION OF ALL SPRINKLERS WITH THE CEILING, LIGHTING LAYOUT, HVAC DUCTS, AND STRUCTURAL COMPONENTS.
3. LIGHT FIXTURES AND HVAC DIFFUSERS TAKE PRECEDENCE. ADD ADDITIONAL SPRINKLERS AS REQUIRED TO MEET "COVERAGE REQUIREMENTS".
4. PLACE SPRINKLERS IN CENTER OF CEILING TILES. PROVIDE RETURN BENDS AT ALL SPRINKLER LOCATIONS TO ALLOW FIELD ADJUSTMENT. PREFABRICATION OF PIPING TO LOCATE SPRINKLER IN CENTER OF TILE IS PROHIBITED.
5. ALL BRANCH LINES SERVING ONE SPRINKLER SHALL BE 1" UNLESS NOTED OTHERWISE.
6. IN MECHANICAL ROOMS FINAL LOCATION OF SPRINKLERS SHALL BE DETERMINED AFTER EQUIPMENT AND DUCTWORK ARE IN PLACE. CONTRACTOR SHALL PROVIDE ADDITIONAL SPRINKLERS, IF NECESSARY, TO PROVIDE ADEQUATE COVERAGE IN ACCORDANCE WITH NFPA 13.
7. ALARM, SUPERVISORY AND TROUBLE SIGNALS SHALL BE AUTOMATICALLY TRANSMITTED TO AN APPROVED CENTRAL STATION, REMOTE SUPERVISING STATION OR PROPRIETARY SUPERVISING STATION AS DEFINED IN NFPA 72 OR, WHEN APPROVED BY THE BUILDING OFFICIAL, SHALL SOUND AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION. COORDINATE WITH DIVISION 29 CONTRACTOR AS REQUIRED.
8. PROVIDE A LISTED GUARD FOR SPRINKLERS IN LOCATIONS SUBJECT TO MECHANICAL INJURY. THESE AREAS SHALL INCLUDE MECHANICAL ROOMS, ELECTRICAL ROOMS, UNDER STAIRWELL LANDING AND IN ELEVATOR SHAFTS.
9. FIRE DEPARTMENT CONNECTIONS SHALL BE ON THE STREET SIDE OF BUILDINGS, FULLY VISIBLE AND RECOGNIZABLE FROM THE STREET OR NEAREST POINT OF FIRE DEPARTMENT APPARATUS ACCESSIBILITY, AND SHALL BE LOCATED AND ARRANGED SO THAT HOSE LINES CAN BE ATTACHED TO THE INLETS WITHOUT INTERFERENCE FROM NEARBY OBJECTS, INCLUDING BUILDINGS, FENCES, POSTS, OR OTHER FIRE DEPARTMENT CONNECTIONS.
10. CLEARANCES SHALL BE MAINTAINED OF SEVEN AND ONE HALF FEET (7'-6") IN FRONT OF AND TO THE SIDES OF FIRE DEPARTMENT CONNECTION.
11. THE DOUBLE-DETECTOR CHECK VALVE ASSEMBLY AND/OR POST INDICATOR VALVE DEDICATED TO THE FIRE SPRINKLER SYSTEM SHALL BE PROTECTED WITH TAMPER SWITCHES, TIED INTO THE FIRE ALARM SYSTEM AND CHAIN-LOCKED IN THE OPEN POSITION.
12. EACH FIRE DEPARTMENT CONNECTION SHALL BE IDENTIFIED WITH A SIGN INDICATING THE BUILDING OR BUILDINGS SERVED.
13. AN EXTERNAL AUDIBLE ALARM SHALL BE PROVIDED WHEN THE WATER FLOW SWITCH IS ACTIVATED. THE EXTERNAL ALARM SHALL BE PROVIDED WITH APPROPRIATE SIGNAGE. THE SIGN SHOULD BE LOCATED NEAR THE DEVICE IN A CONSPICUOUS POSITION AND SHOULD BE WORDED AS FOLLOWS: "SPRINKLER FIRE ALARM WHEN BELL RINGS CALL FIRE DEPT."
14. FIRE DEPARTMENT CONNECTIONS SHALL BE IDENTIFIED BY A SIGN THAT STATES 'NO PARKING, FIRE DEPARTMENT CONNECTION" AND SHALL BE DESIGNED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS FOR INFORMATION SIGNAGE.

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. ASHRAE
   a. STANDARD 15 — SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019
   b. STANDARD 55 — THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017
   c. STANDARD 62.1 — VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019
   d. STANDARD 90.1 — ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
   e. STANDARD 170 — VENTILATION OF HEALTH CARE FACILITIES - 2017
2. ASME
   a. ASME A17.1 — SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019
3. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).
4. NATIONAL FIRE CODES
   a. NFPA 1 — FIRE CODE - 2021 (FLORIDA EDITION)
   b. NFPA 13 — STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM - 2019
   c. NFPA 25 — STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS - 2020
   d. NFPA 70 — NATIONAL ELECTRICAL CODE - 2020
   e. NFPA 72 — NATIONAL FIRE ALARM AND SIGNALING CODE - 2019
   f. NFPA 90A — STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS - 2021
   g. NFPA 90B — STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS - 2021
   h. NFPA 91 — STANDARD FOR THE INSTALLATION OF BLOWER AND EXHAUST SYSTEMS - 2020
   i. NFPA 101 — LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
5. FLORIDA BUILDING CODE, 2023 8TH EDITION
   a. BUILDING CODE
   b. ENERGY CONSERVATION CODE
   c. MECHANICAL CODE
   d. PLUMBING CODE
   e. ACCESSIBILITY CODE
6. FLORIDA STATUTES
   a. CHAPTER 471 — ENGINEERING
   b. CHAPTER 533.80 — BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
7. FLORIDA ADMINISTRATIVE CODE
   a. CHAPTER 9B-7 — FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS
   b. CHAPTER 61C-5 — FLORIDA ELEVATOR SAFETY CODE
   c. CHAPTER 61G15-34 — RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
   d. CHAPTER 69A-3 — FIRE PREVENTION - GENERAL PROVISIONS
   e. CHAPTER 69A-47 — UNIFORM FIRE SAFETY STANDARDS FOR ELEVATORS
   f. CHAPTER 69A-60 — THE FLORIDA FIRE PREVENTION CODE

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING, AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.

THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
2. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
6. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THIS PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
16. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
17. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
18. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
19. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
20. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
21. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.

ABBREVIATIONS

AC	ABOVE CEILING OR AIR COMPRESSOR	MCA	MINIMUM CIRCUIT AMPACITY
AFF	ABOVE FINISHED FLOOR	MOCP	MAXIMUM OVERLOAD PROTECTION
AHAP	AS HIGH AS POSSIBLE	NC	NORMALLY CLOSED
AUX	AUXILIARY	NO	NORMALLY OPEN
BG	BELOW GRADE	N/A	NOT APPLICABLE
BHP	BRAKE HORSEPOWER	OS&Y	OUTSIDE SCREW AND YOKE
DN	DOWN	PIV	POST INDICATOR VALVE
DPV	DRY PIPE VALVE	PSIG	POUNDS PER SQUARE INCH, GAUGE
FDC	FIRE DEPARTMENT CONNECTION	RPM	REVOLUTIONS PER MINUTE
FS	FLOW SWITCH	SQ FT	SQUARE FEET
FT	FEET	TDH	TOTAL DYNAMIC HEAD
GPM	GALLONS PER MINUTE	TS	TAMPER SWITCH
HP	HORSEPOWER	TYP	TYPICAL
IN	INCHES		

CLASSIFICATION OF OCCUPANCIES (NFPA 13)

LIGHT — LIGHT HAZARD

ORD-1 — ORDINARY HAZARD, GROUP 1

ROOMS OR SPACES NOT SPECIFICALLY DESIGNATED AS TO HAZARD CLASSIFICATION SHALL BE CONSIDERED LIGHT HAZARD

DRAWING INDEX

FS0.1	GENERAL NOTES & LEGENDS
FS1.0	SITE PLAN
FS1.1	YOUTH LEARNING CENTER - 1ST FLOOR PLAN
FS1.2	YOUTH LEARNING CENTER - 2ND FLOOR PLAN
FS4.1	SCHEDULES
FS5.1	DETAILS

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H2E PROJECT No: 24179

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Florida Registry #1495
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

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Architects
Planners
Interior Designers
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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	SPD	RDR
50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

GENERAL NOTES & LEGENDS

FS0.1

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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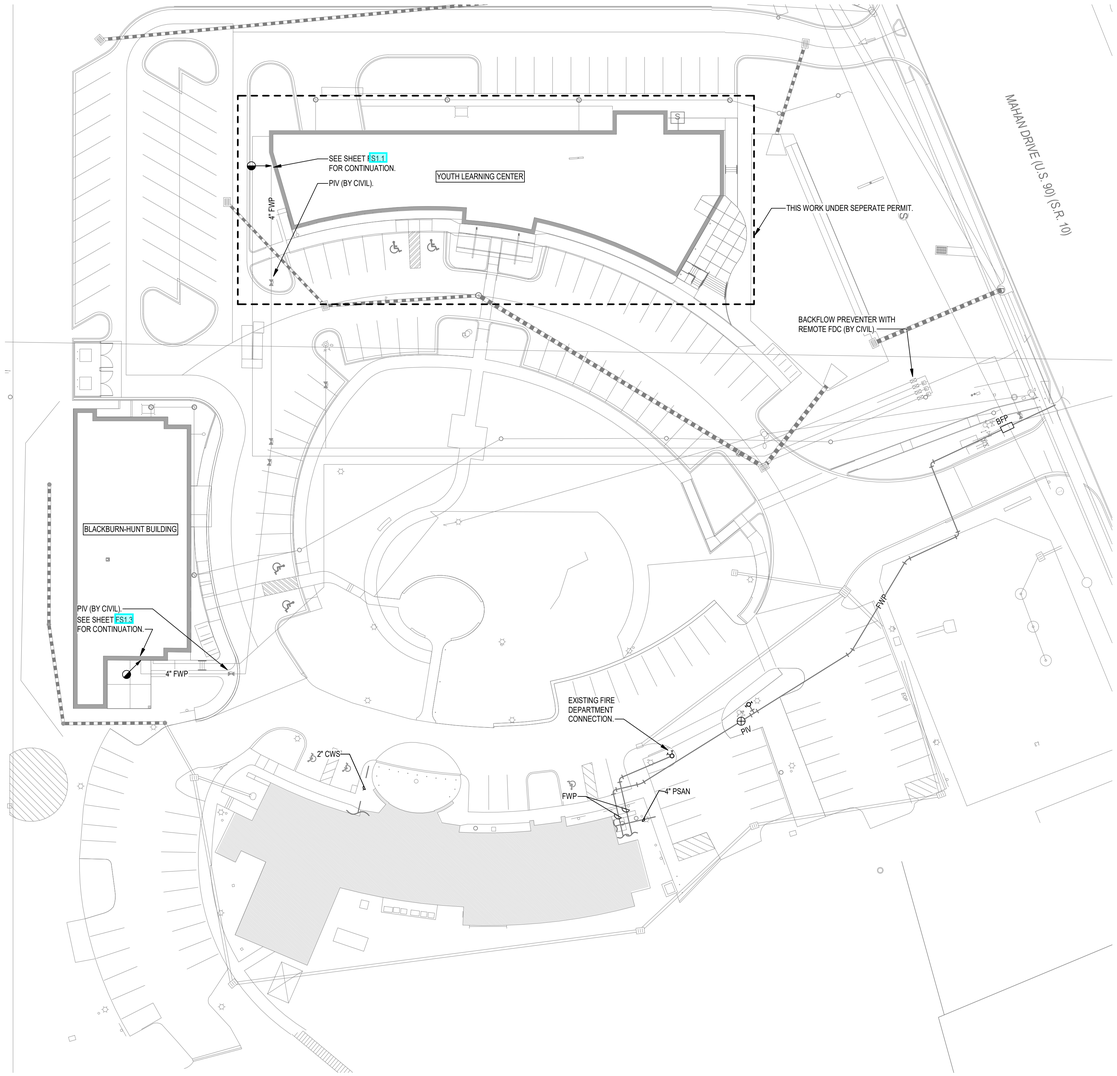

North 1 SITE PLAN
1" = 30'-0"

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H2E PROJECT No. 24179

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Florida Registry #1485
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

Clemons,Rutherford, & Associates, Inc.

Architects
Planners
Interior Designers
Construction Managers

2027 Thomasville Road
Tallahassee, Florida 32308

phone 850-385-6153
fax 850-386-8420
cra@clemons-rutherford.com

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	SPD	RDR
50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
SITE PLAN

FS1.0

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center_MEP Central_R24.rvt
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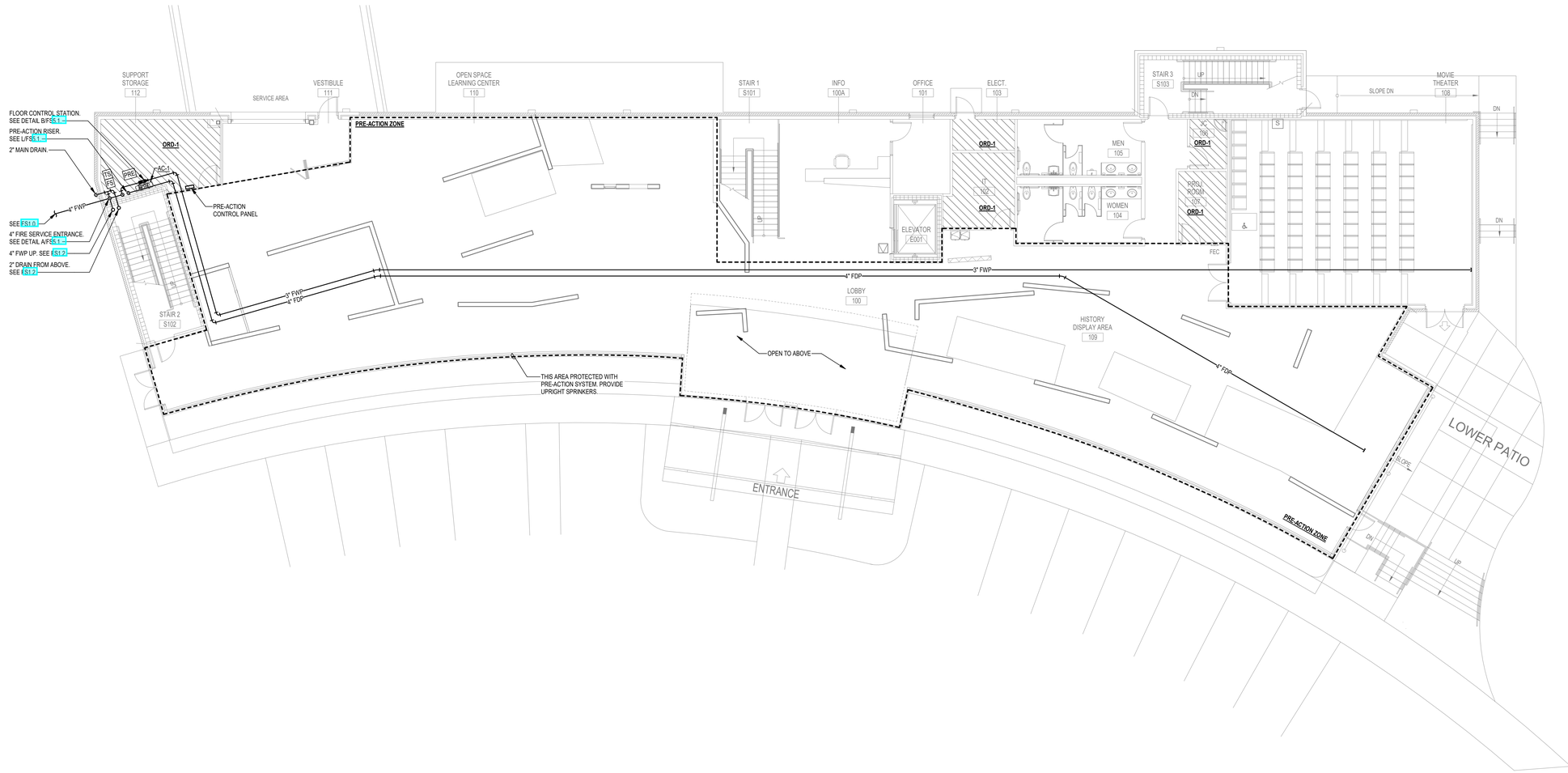

North 1 FIRST FLOOR PLAN

1/8" = 1'-0"

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100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 1ST FLOOR PLAN

FS1.1

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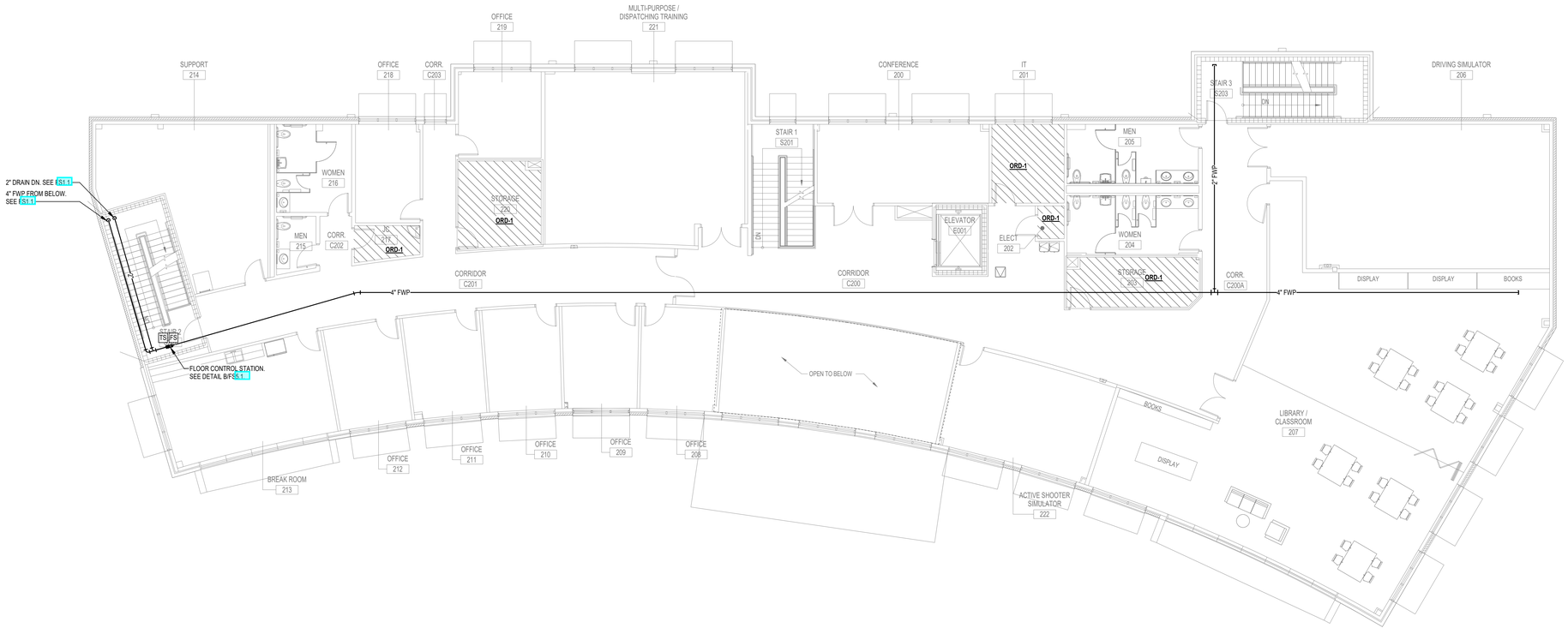

North 1 SECOND FLOOR PLAN

1/8" = 1'-0"

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100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 2ND FLOOR PLAN

FS1.2

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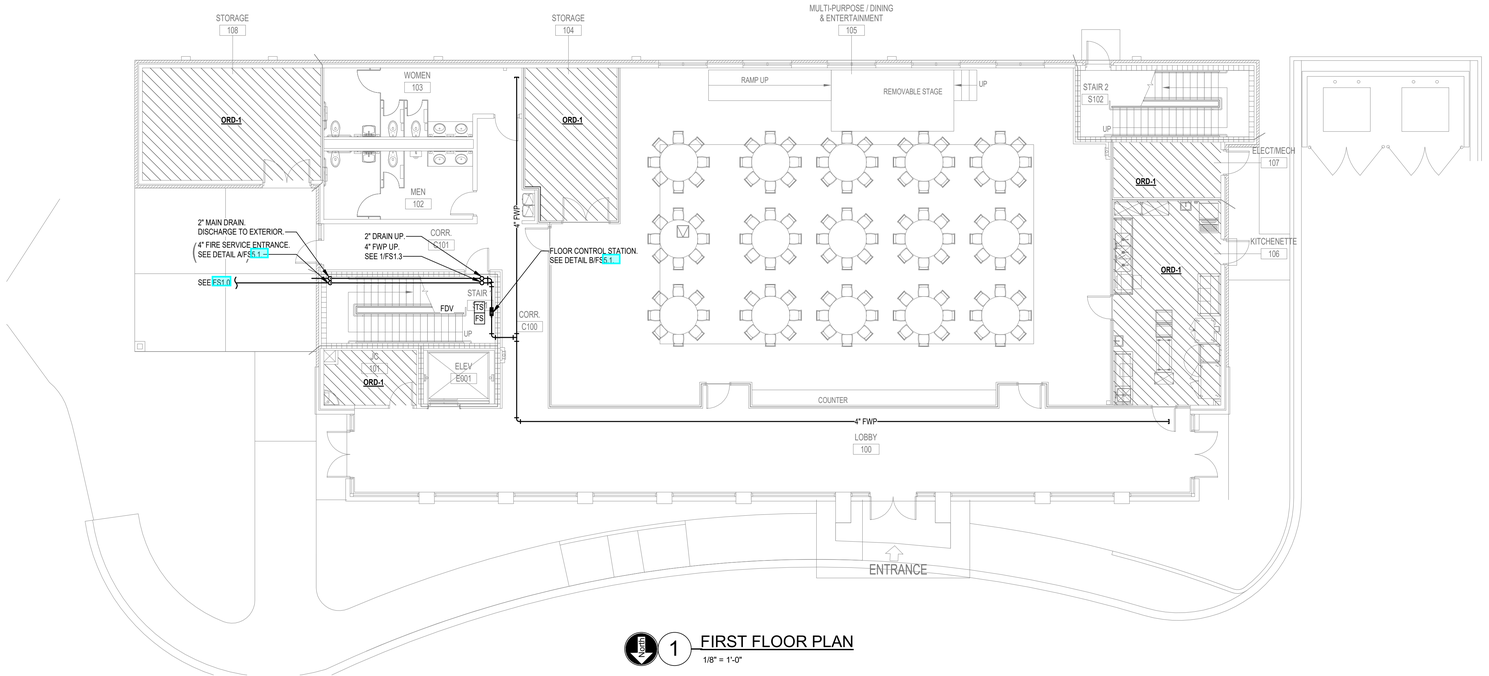
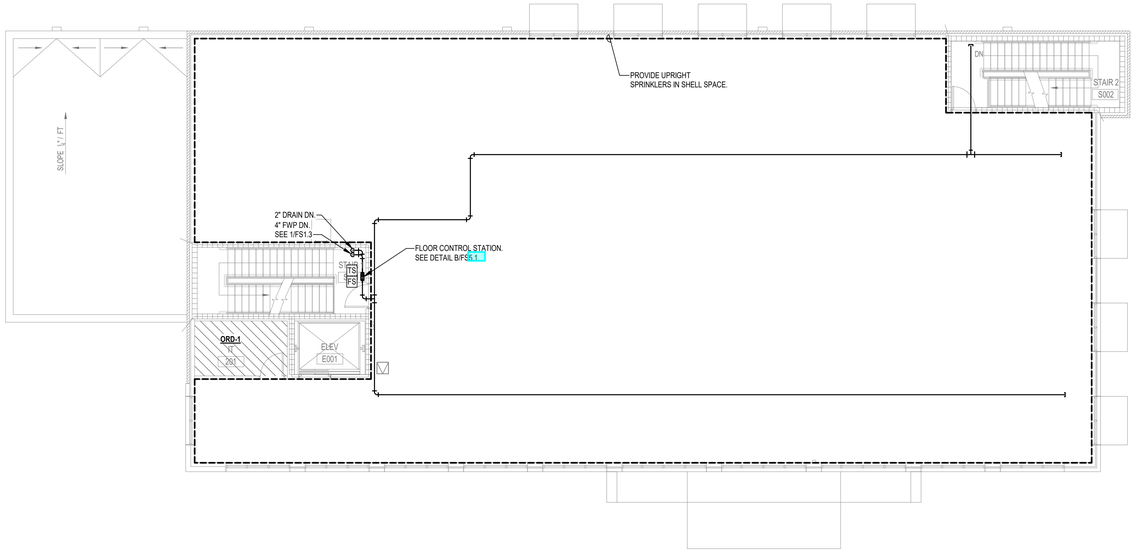


1 FIRST FLOOR PLAN
1/8" = 1'-0"



2 SECOND FLOOR PLAN
1/8" = 1'-0"

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50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BUILDING

FS1.3

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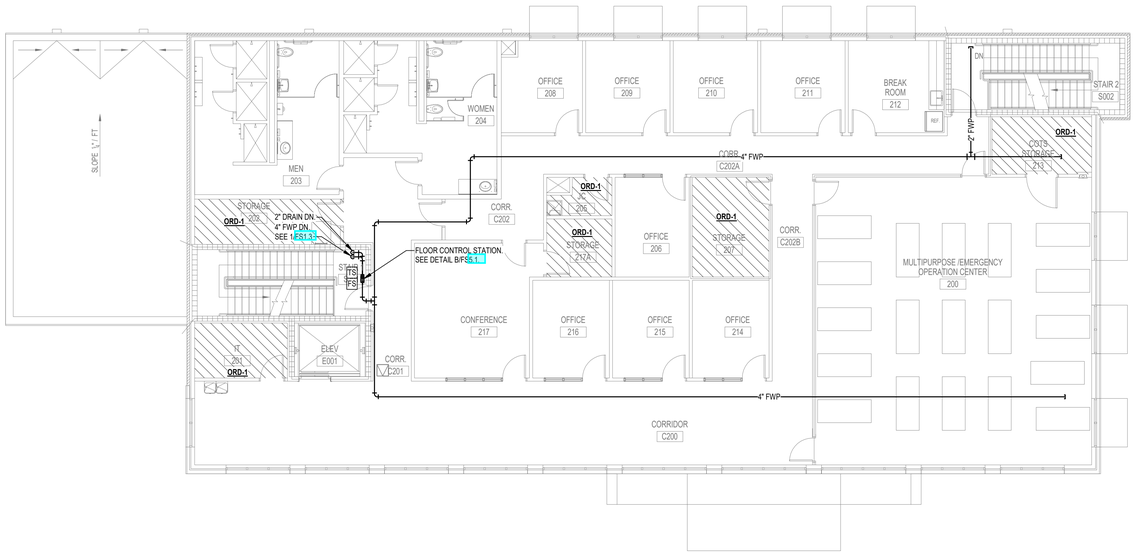

1 SECOND FLOOR PLAN - ADD ALTERNATE

1/8" = 1'-0"

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Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT BUILDING - 2ND FLOOR - ADD ALT.

FS1.3A

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DESIGN DATA - YOUTH LEARNING CENTER

WET-PIPE SYSTEM			
	HAZARD TYPE		LIGHT HAZARD
	DESIGN DENSITY	GPM / SF	0.10
	REMOTE AREA	SF	1,500
	SPRINKLER TYPE		QUICK RESPONSE
	REMOTE AREA CEILING HEIGHT	FT	12
	ALLOWED DESIGN AREA REDUCTION - NOTE 1	%	37
	CEILING SLOPE (> 2:12 @ 130% REMOTE AREA) - NOTE 2		NO
	REQUIRED SPRINKLER FLOW	GPM	95
	OUTSIDE HOSE ALLOWANCE	GPM	100
	REQUIRED DURATION	MIN	30
	MAXIMUM FLOOR AREA ON ANY FLOOR	SF	11,173
	QTY OF RISERS PER FLOOR	#	1
DRY-PIPE OR DOUBLE INTERLOCK PRE-ACTION SYSTEM			
	HAZARD TYPE		LIGHT HAZARD
	DESIGN DENSITY	GPM / SF	0.10
	REMOTE AREA (@ 130%)	SF	1,950
	SPRINKLER TYPE		QUICK RESPONSE
	CEILING SLOPE (> 2:12 @ 130% REMOTE AREA)		NO
	REQUIRED SPRINKLER FLOW	GPM	195
	OUTSIDE HOSE ALLOWANCE	GPM	100
	REQUIRED DURATION	MIN	30
	MAXIMUM FLOOR AREA ON ANY FLOOR	SF	6,670
	QTY OF RISERS PER FLOOR	#	1
MINIMUM REQUIRED WATER FLOW AT DESIGN			
	SPRINKLER SYSTEM TYPE		WET
	STANDPIPE		NO
	REQUIRED TOTAL WATER FLOW	GPM	95
	FIRE PUMP REQUIRED		NO
	REQUIRED FIRE PUMP FLOW	GPM	N/A
	REQUIRED DURATION	MIN	30
	FIREWATER STORAGE TANK REQUIRED		NO
	FIREWATER STORAGE TANK WATER CAPACITY	GAL	N/A

NOTES:
1 DESIGN AREA REDUCTION PER NFPA 13 §19.3.3.2.3
2 DESIGN AREA INCREASE FOR SLOPED CEILINGS PER NFPA 13 §19.3.3.2.4

FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	
METAL PIPES OR CONDUIT (1000-1999)	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-S SIL GG, CFS-D, MINERAL WOOL
	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	
NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2271, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL, CP 644, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL GG, CP 648
	2	F-A 2053, F-A 2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	
INSULATED PIPES (5000-5999)	1	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090, C-AJ-5048	C-AJ-5090, C-AJ-5091, C-AJ 5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	CP 680, FS-ONE MAX, MINERAL WOOL
	2	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090	C-AJ-5090, C-AJ-5091, C-AJ-5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	
MIXED PENETRANTS (8000-8999)	1	C-AJ-8099, C-AJ-8056, C-AJ-8143	C-AJ-8099, C-AJ-8056, W-J-8007, C-AJ-8143	W-L-1095, W-L-8013	FS-ONE MAX, CFS-BL, CP 620, CP 618
	2	C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143, C-AJ-8252	W-L-1095, W-L-8013	

NOTES:
1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURERS: HILTI, RECTORSEAL, 3M, STL.

WATER FLOW TEST DATA

TEST HYDRANT			
	STATIC PRESSURE	PSIG	45
	RESIDUAL PRESSURE	PSIG	35
	LOCATION		2521 MAHAN DRIVE
	ELEVATION (ABOVE SEA LEVEL)	FT	
FLOW HYDRANT			
	MEASURED FLOW	GPM	1,590
	HYDRANT BUTT COEFFICIENT		0.9
	LOCATION		2617 MAHAN DRIVE
	ELEVATION (ABOVE SEA LEVEL)	FT	
TEST DATA			
	DATE		2/11/2025
	TIME		
	CONDUCTED BY		
POINT OF SERVICE			
	LOCATION		MAHAN DRIVE
	DRAWING REFERENCE		
WATER SUPPLY CHARACTERISTICS			
	MAIN SIZE	IN.	4
	LOCATION		
	SERVICE TYPE		CIRCULATING
	DISTANCE TO NEAREST CIRCULATING MAIN	FT	
	MICROBIAL INDUCED CORROSION (MIC) POTENTIAL		NOTE 1

NOTES:
1 THE ENGINEER IS UNAWARE OF ANY MIC, BASED ON FAMILIARITY WITH CONDITIONS IN THE LOCAL AREA

AIR COMPRESSORS

DESIGNATION			AC-1
	SERVICE TYPE		DRY PIPE / PRE-ACTION
	SYSTEM VOLUME	GAL	250
	MOUNTING TYPE		TANK
	TANK SIZE	GAL	10
	DRIVE TYPE		DIRECT
	AIRFLOW	CFM	3
	PRESSURE	PSI	40
	COMPRESSOR QTY	#	1
	# OF STAGES	#	1
	MOTOR HORSEPOWER	HP	1/3
	ELECTRICAL CHARACTERISTICS	V / PH	115 / 1
	NOTES		1, 2, 4, 5, 6, 7, 8, 9
MANUFACTURER			GENERAL AIR
MODEL NUMBER			OLT25033AC
DETAIL REFERENCE			L/FS5.1

NOTES:
1 PROVIDE START/STOP PRESSURE SWITCH.
2 PROVIDE PRESSURE GAUGE.
3 PROVIDE INTAKE FILTER.
4 PROVIDE PERMANENTLY LUBRICATED BEARINGS.
5 PROVIDE STAINLESS STEEL FLEX HOSE AND UNION.
6 PROVIDE SAFETY RELIEF VALVE.
7 PROVIDE VIBRATION ISOLATORS.
8 PROVIDE ASME RECEIVER TANK.
9 PROVIDE AIR MAINTENANCE DEVICE.
10 PROVIDE RISER MOUNTING KIT.
11 PROVIDE ENCLOSED BELT GUARD.

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100% CD	07-18-25	SPD	RDR

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CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
SCHEDULES

FS5.1

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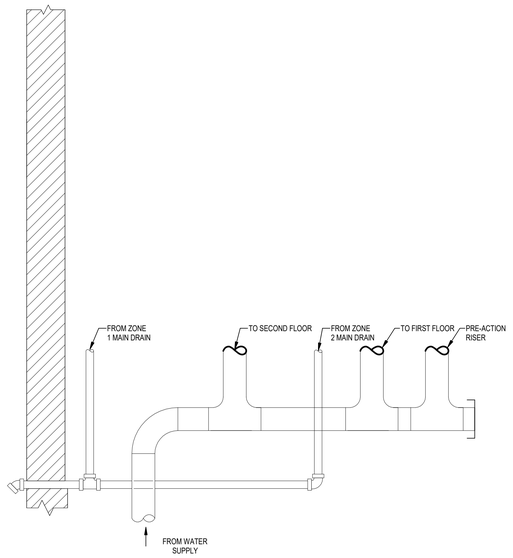
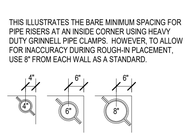


P2B.1

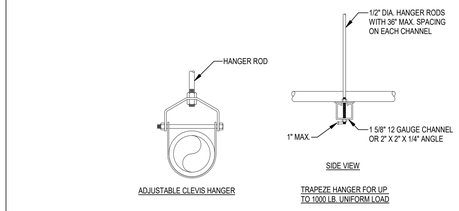
M MULTIPLE ZONE SYSTEM RISER WITH REMOTE FDC



THIS ILLUSTRATES THE BARE MINIMUM SPACING FOR PIPE RISERS AT AN INSIDE CORNER USING HEAVY DUTY GRINNELL PIPE CLAMPS. HOWEVER, TO ALLOW FOR INACCURACY DURING ROUGH-IN PLACEMENT, USE 8" FROM EACH WALL AS A STANDARD.

P2I1

H RISER PIPE CLAMPS



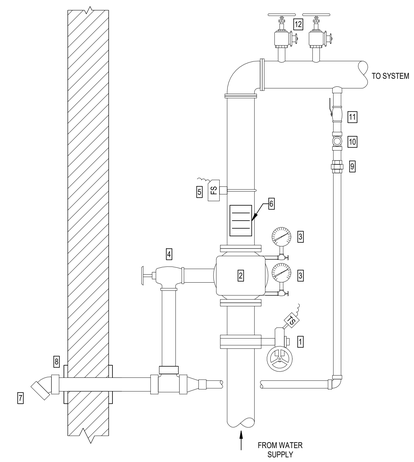
NOTES:

1. SEE SPECIFICATIONS FOR SPACING OF HANGERS.

P1I7

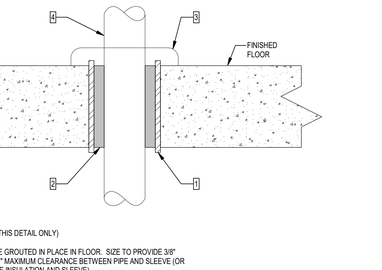
D PIPE HANGERS

1. INDICATING BUTTERFLY VALVE WITH TAMPER SWITCH
2. RISER CHECK VALVE
3. PRESSURE GAUGE AND BALL VALVE (TYP.)
4. 2" MAIN DRAIN VALVE (NORMALLY CLOSED)
5. WATERFLOW SWITCH
6. HYDRAULIC DESIGN INFORMATION SIGN
7. 45° ELBOW TO DRAIN ON SPLASH BLOCK
8. ESCUTCHEON (TYP.)
9. UNION WITH BRASS ORIFICE HOLE EQUAL TO DISCHARGE FROM ONE SPRINKLER ORIFICE
10. INSPECTOR'S TEST VALVE AND SIGHT GLASS
11. BALL VALVE (NORMALLY CLOSED)
12. 2-1/2"x2-1/2" FIRE DEPARTMENT HOSE VALVE WITH CAP AND CHAIN. PROVIDE 2 FDV ON LIGHT HAZARD SYSTEMS AND 3 FDV ON ORDINARY HAZARD SYSTEMS FOR BACKFLOW PREVENTOR FORWARD FLOW TEST.



P2B.1

A WET PIPE SPRINKLER SYSTEM RISER WITH REMOTE FDC



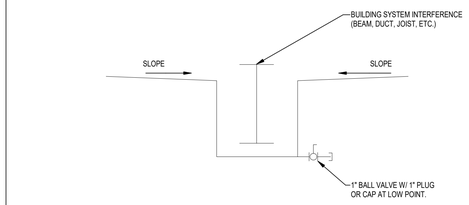
KEY NOTES: (THIS DETAIL ONLY)

1. STEEL SLEEVE GROUTED IN PLACE IN FLOOR. SIZE TO PROVIDE 3/8" MINIMUM TO 1" MAXIMUM CLEARANCE BETWEEN PIPE AND SLEEVE (OR BETWEEN PIPE INSULATION AND SLEEVE).
2. FILL ANNULAR SPACE WITH FIRE STOPPING MATERIAL.
3. TWO-PIECE ESCUTCHEON (OMIT IF PENETRATION IS IN A CONCEALED SPACE).
4. PIPE THRU FLOOR SLAB.

NOTE:
1. THIS DETAIL IS SHOWN AS AN EXAMPLE OF THE WORK SCOPE REQUIRED FIRE STOPPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE U.L. LISTED FIRE RATED ASSEMBLY. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL FIRE RATED ASSEMBLIES.

P1N.3

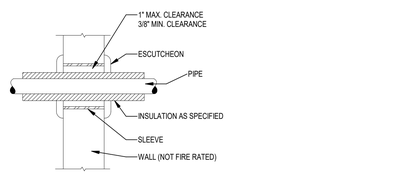
J ABOVE-GRADE SLAB PIPE PENETRATION



NOTE:
SLOPE PIPES TO LOW POINT

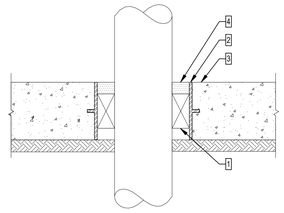
P1I.1

E SPRINKLER AUXILIARY DRAIN



P1K.1

K PIPE PENETRATION OF NON-FIRE RATED WALL

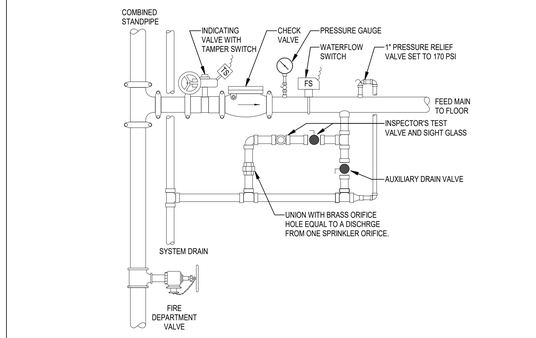


KEY NOTES: (THIS DETAIL ONLY)

1. SEAL ANNULAR SPACE AROUND PIPE WITH MODULAR SLEEVE SEAL SYSTEM. MODEL SHALL BE SUITABLE FOR THIS APPLICATION.
2. SLEEVE OR CORE DRILL APPROPRIATE SIZE HOLE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. FLOOR SLAB ON GRADE.
4. COMPLETELY FILL SPACE WITH SEALANT SUITABLE FOR THIS APPLICATION.

P1I4

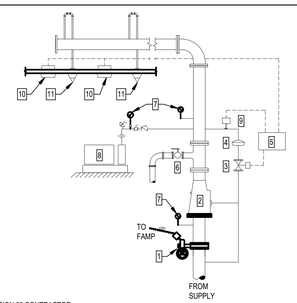
F SLAB ON GRADE PIPE PENETRATION



P1C.1

B FLOOR CONTROL STATION (COMBINED STANDPIPE)

1. INDICATING VALVE WITH TAMPER SWITCH
2. PREACTION/DELUGE VALVE WITH ALL ELECTRIC AND DRY-PILOT ACTUATION FROM REQUIRED FOR LISTED OPERATION.
3. SOLENOID VALVE
4. DRY-PILOT ACTUATOR
5. RELEASE/ CONTROL PANEL
6. 2" DRAIN AND VALVE
7. PRESSURE GAUGE (TYPICAL)
8. AIR MAINTENANCE DEVICE WITH ALL REQUIRED TRIM AND ACCESSORIES.
9. LOW PRESSURE ALARM SWITCH
10. HEAT DETECTOR (TYPICAL)
11. SPRINKLERS

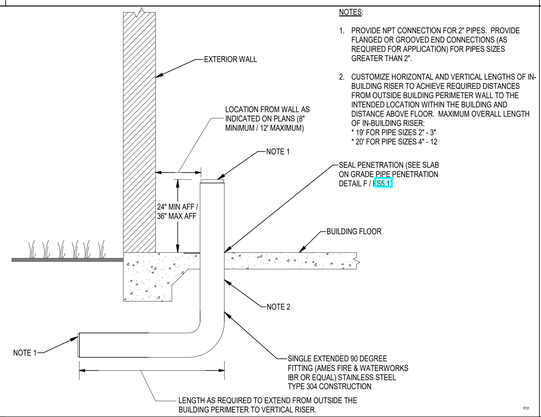


NOTES:

1. HEAT DETECTORS SHALL BE PROVIDED AND INSTALLED BY DIVISION 28 CONTRACTOR PER ELECTRICAL PLANS.
2. ALL WIRING INVOLVING WIRING TO HEAT DETECTORS AND FIRE ALARM PANEL SHALL BE FURNISHED AND INSTALLED AS PART OF FIRE SPRINKLER WORK. SPRINKLER CONTRACTOR SHALL CONTRACT WITH DIVISION 28 CONTRACTOR FOR INSTALLATION.
3. ALL COMPONENTS SHOWN AND ALL ADDITIONAL COMPONENTS REQUIRED TO PROVIDE A COMPLETE OPERATING SYSTEM SHALL BE FURNISHED AND INSTALLED AS PART OF THE SPRINKLER CONTRACTOR'S SCOPE OF WORK UNLESS SPECIFICALLY NOTED OTHERWISE.

P1I.3

L DOUBLE - INTERLOCK PRE-ACTION RISER

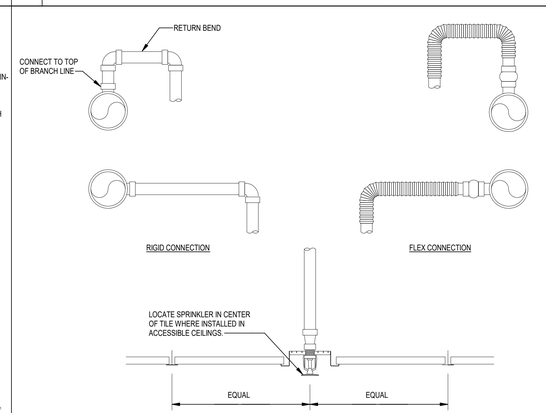


NOTES:

1. PROVIDE NPT CONNECTION FOR 2" PIPES. PROVIDE FLANGED OR GROOVED END CONNECTIONS (AS REQUIRED FOR APPLICATION) FOR PIPES SIZES GREATER THAN 2".
2. CUSTOMIZE HORIZONTAL AND VERTICAL LENGTHS OF IN-BUILDING RISER TO ACHIEVE REQUIRED DISTANCES FROM OUTSIDE BUILDING PERIMETER WALL TO THE INTENDED LOCATION WITHIN THE BUILDING AND DISTANCE ABOVE FLOOR. MAXIMUM OVERALL LENGTH OF IN-BUILDING RISER:
   * 19' FOR PIPE SIZES 2" - 3"
   * 20' FOR PIPE SIZES 4" - 12

P1I

G SINGLE PIECE IN-BUILDING RISER



P1N.2

C TYPICAL SPRINKLER INSTALLATION

H2E ENGINEERING
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H2E PROJECT No: 24179

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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	SPD	RDR
50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

FS5.1

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	
METAL PIPES OR CONDUIT (1000-1999)	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-S SIL GG, CFS-D, MINERAL WOOL
	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	
NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL, CP 644, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, CP 648
	2	F-A 2053, F-A 2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	
INSULATED PIPES (5000-5999)	1	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090, C-AJ-5048	C-AJ-5090, C-AJ-5091, C-AJ 5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	CP 680, FS-ONE MAX, MINERAL WOOL
	2	F-A 5015, F-A 5017, C-AJ-5090, C-AJ-5091, C-AJ-5090	C-AJ-5090, C-AJ-5091, C-AJ-5061, W-J-5042	W-L-5028, W-L-5029, W-L-5047	
MIXED PENETRANTS (8000-8999)	1	C-AJ-8099, C-AJ-8056, C-AJ-8143	C-AJ-8099, C-AJ-8056, W-J-8007, C-AJ-8143	W-L-1095, W-L-8013	FS-ONE MAX, CFS-BL, CP 620, CP 618
	2	C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143, C-AJ-8252	W-L-1095, W-L-8013	

NOTES:

1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURES: HILTI, RECTORSEAL, 3M, STL.

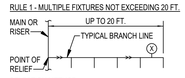
WATER HAMMER ARRESTERS

GROUPED FIXTURES

TABLE 1 - FOR GROUPED FIXTURES

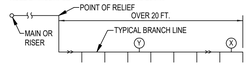
P.D.I. UNITS	AA	A	B	C	D	E	F
FIXTURE UNITS	1-3	1-11	12-32	33-60	61-113	114-154	155-330

RULE 1 - MULTIPLE FIXTURES NOT EXCEEDING 20 FT.



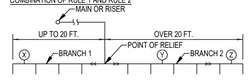
SELECTION METHOD:
USING TABLE 1, SIZE UNIT "X" FOR THE TOTAL FIXTURE UNITS OF BRANCH LINE.

RULE 2 - MULTIPLE FIXTURES EXCEEDING 20 FT.



SELECTION METHOD:
SIZE UNIT "X" AND UNIT "Y" SO THE SUM OF THE RATINGS IS EQUAL TO OR GREATER THAN TOTAL FIXTURE UNITS OF BRANCH LINE.

COMBINATION OF RULE 1 AND RULE 2



SELECTION METHOD:
USING TABLE 1, SIZE UNIT "X" FOR BRANCH 1 BASE ON RULE 1. SIZE UNITS "Y" AND "Z" BASED ON RULE 2.

LONG RUNS

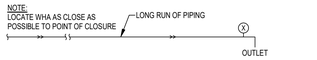
TABLE 2 - WATER PRESSURES UP TO 65 P.S.I.G.

LENGTH OF PIPE (FT.)	P.D.I. WATER HAMMER ARRESTERS NOMINAL PIPE DIAMETER 1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25	A	A	B	C	D	E
50	A	B	C	D	E	F
75	B	C	D	AB	F	EF
100	C	D	E	F	CF	FF
125	C	D	F	AF	EF	EFF
150	D	E	F	DF	FF	FFF

TABLE 2A - WATER PRESSURES 65 P.S.I.G. TO 85 P.S.I.G.

LENGTH OF PIPE (FT.)	P.D.I. WATER HAMMER ARRESTERS NOMINAL PIPE DIAMETER 1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
25	B	B	B	D	E	F
50	B	C	C	E	F	CF
75	C	D	D	F	CF	FF
100	D	E	E	CF	EF	EFF
125	D	E	E	DF	FF	EFFF
150	E	F	F	FF	DFF	FFFF

NOTE:
LOCATE WHA AS CLOSE AS POSSIBLE TO POINT OF CLOSURE



SELECTION METHOD:
USING EITHER TABLE 2 OR 2A (BASED ON SYSTEM PRESSURE), SIZE UNIT "X" BASED ON SIZE OF PIPE AND LENGTH OF RUN.

GENERAL NOTE:
PROVIDE WATER HAMMER ARRESTERS IN ACCORDANCE WITH STANDARD PDI-WH201

PIPING AND FITTINGS

	CAP
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	NEW PIPE
	SANITARY, SOIL OR WASTE PIPING
	SANITARY VENT PIPING
GR	GREASE LADEN WASTE PIPING
	COLD WATER SUPPLY PIPING
	HOT WATER SUPPLY PIPING
HW140	140° HOT WATER SUPPLY PIPING
	HOT WATER RECIRCULATION PIPING
C	(COOLING COIL) CONDENSATE DRAIN PIPING
HB	HOSE BIBB
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTER - SEE DETAIL THIS SHEET
FD	FLOOR DRAIN - SEE DETAIL J/P5.1
FS	FLOOR SINK - SEE DETAIL L/P5.1
WCO	WALL CLEAN OUT - SEE DETAIL H/P5.1
CO	CLEAN OUT - SEE DETAIL H/P5.1
	CIRCULATOR PUMP

VALVES

N.O. N.C.	BALL VALVE (WITH QUARTER TURN HANDLE)
N.O. N.C.	BUTTERFLY VALVE (WITH QUARTER TURN HANDLE)
	CHECK VALVE

VALVE ACTUATORS:

	QUARTER TURN LEVER

MEASUREMENTS AND CONTROLS

	PRESSURE GAUGE AND ISOLATION VALVE
2.0	MEMORY STOP FLOW CONTROL VALVE (NUMBER INDICATES FLOW IN GPM)
	THERMOMETER
M	METER (WATER OR GAS)

MISCELLANEOUS

	HINGED CEILING ACCESS PANEL
MIN. I.E. = 36" B.F.F.	MINIMUM INVERT ELEVATION BELOW REFERENCE ELEVATION
	POINT OF CONNECTION, PLUMBING TO CIVIL
	SMOKE RATED WALL
	1 HOUR FIRE RATED WALL
	2 HOUR FIRE RATED WALL

PLUMBING NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE AND LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS THAT REQUIRE PIPING OR DUCT CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.
3. PRESSURE TEST ALL WATER PIPING SYSTEMS AT 150% OF NORMAL WORKING PRESSURE.
4. ALL COPPER PRESSURE PIPE SHALL BE SOLDERED ENTIRELY WITH LEAD-FREE SOLDER.
5. INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.
6. ALL FLOOR DRAINS AND FLOOR SINKS SHALL HAVE MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS AND AUTOMATIC TRAP PRIMERS (MANUFACTURER: PRECISION PLUMBING PRODUCTS).
7. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH PDI-WH201.
8. ALL HOSE BIBBS, SILL COCKS AND/OR FAUCETS WITH HOSE CONNECTIONS SHALL HAVE A VACUUM BREAKER.
9. GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE STARTED AT HIGHEST POINT POSSIBLE.
10. ALL WATER PIPING SUBJECT TO FREEZING SHALL BE FREEZE PROTECTED. THIS INCLUDES ALL PIPING IN UNHEATED SPACES SUCH AS EQUIPMENT ROOMS, CHASES, ATTICS, SOFFITS, CRAWL SPACES, EXTERIOR WALLS, CEILINGS, ETC.
11. INSULATE EXTERIOR ABOVE GRADE WATER PIPING WITH CELLULAR GLASS. SEE SPECS.
12. DO NOT LOCATE FLOOR DRAINS/SINKS UNDER EQUIPMENT. COORDINATE EXACT LOCATION OF DRAINS/SINKS WITH EQUIPMENT FURNISHED.
13. ALL PLUMBING VENTS SHALL BE 2" MINIMUM, UNLESS NOTED OTHERWISE.
14. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE OR OTHER DEVICE REQUIRING SERVICE IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANEL SHALL BE FIRE RATED IF INSTALLED IN A FIRE RATED CEILING OR WALL.
15. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE, SOIL STACK OR RAIN LEADER, WHETHER SHOWN ON THE DRAWINGS OR NOT.
16. ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEVING ARCH, OR A PIPE SLEEVE. SLEEVE SHALL BE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. ASHRAE
   a. STANDARD 15 — SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019
   b. STANDARD 55 — THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017
   c. STANDARD 62.1 — VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019
   d. STANDARD 90.1 — ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
   e. STANDARD 170 — VENTILATION OF HEALTH CARE FACILITIES - 2017
2. ASME
   a. ASME A17.1 — SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019
3. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).
4. NATIONAL FIRE CODES
   a. NFPA 1 — FIRE CODE - 2021 (FLORIDA EDITION)
   b. NFPA 13 — STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM - 2019
   c. NFPA 25 — STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS - 2020
   d. NFPA 70 — NATIONAL ELECTRICAL CODE - 2020
   e. NFPA 72 — NATIONAL FIRE ALARM AND SIGNALING CODE - 2019
   f. NFPA 90A — STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS - 2021
   g. NFPA 90B — STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS - 2021
   h. NFPA 91 — STANDARD FOR THE INSTALLATION OF BLOWER AND EXHAUST SYSTEMS - 2020
   i. NFPA 101 — LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
5. FLORIDA BUILDING CODE, 2023 8th EDITION
   a. BUILDING CODE
   b. ENERGY CONSERVATION CODE
   c. MECHANICAL CODE
   d. PLUMBING CODE
   e. ACCESSIBILITY CODE
6. FLORIDA STATUTES
   a. CHAPTER 471 — ENGINEERING
   b. CHAPTER 533.80 — BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
7. FLORIDA ADMINISTRATIVE CODE
   a. CHAPTER 64-2 — EDUCATIONAL FACILITIES
   b. CHAPTER 61C-5 — FLORIDA ELEVATOR SAFETY CODE
   c. CHAPTER 61G15-34 — RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
   d. CHAPTER 69A-3 — FIRE PREVENTION - GENERAL PROVISIONS
   e. CHAPTER 69A-47 — UNIFORM FIRE SAFETY STANDARDS FOR ELEVATORS
   f. CHAPTER 69A-60 — THE FLORIDA FIRE PREVENTION CODE

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING, AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.

THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

MINIMUM REQUIRED SLOPE

DRAINAGE TYPE	SIZE (INCHES)	MINIMUM SLOPE (INCH /FOOT) - NOTE 1
SANITARY (NOTE 2)	2-1/2" OR LESS	1/4"
	3" TO 6"	1/8"
	8" OR LARGER	1/16"
STORM (NOTE 3)	12" OR LESS	1/16"
CONDENSATE	4" OR LESS	1/8"

NOTES:
1. UNLESS NOTES OTHERWISE ON PLANS.
2. COMBINATION WASTE AND VENT PIPING SHALL BE RUN AT A MAXIMUM SLOPE OF 1/2" PER FOOT.
3. SEE ROOF DRAINAGE SCHEDULE FOR SLOPE AT EACH ROOF DRAIN.

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
2. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
6. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
16. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL BE TO STRUCTURAL SYSTEMS ONLY.
17. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
18. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
19. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
20. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
21. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.

ABBREVIATIONS

AC	ABOVE CEILING	IE	INVERT ELEVATION
AFF	ABOVE FINISHED FLOOR	IMB	ICE MAKER HOOK-UP BOX
AHAP	AS HIGH AS POSSIBLE	LV	LAVATORY
BF	BELOW FLOOR	MSB	MOP SERVICE BASIN
BG	BELOW GRADE	N/A	NOT APPLICABLE
CWS	COLD WATER SUPPLY	PSAN	SANITARY
DN	DOWN	PVENT	VENT
ECO	EXTERNAL CLEANOUT	SH	SHOWER
EWC	ELECTRIC WATER COOLER	SK	SINK
FD	FLOOR DRAIN, SEE DETAIL J/P5.1	TYP	TYPICAL
FS	FLOOR SINK, SEE DETAIL L/P5.1	UR	URINAL
GI	GREASE INTERCEPTOR, SEE DETAIL N/P5.1	V	VALVE
HB	HOSE BIBB	VTR	VENT THROUGH ROOF, SEE DETAIL K/P5.1
HD	HUB DRAIN, SEE DETAIL M/P5.1	WC	WATER CLOSET
HP	HORSEPOWER	WCO	WALL CLEANOUT, SEE DETAIL H/P5.1
HWS	HOT WATER SUPPLY	WH	WALL HYDRANT
HWR	HOT WATER RECIRCULATION	WHA	WATER HAMMER ARRESTER
IE	INVERT ELEVATION		

DRAWING INDEX

P0.1	GENERAL NOTES, LEGENDS & SCHEDULES
P1.1	YOUTH LEARNING CENTER - 1ST FLOOR PLAN - WASTE
P1.2	YOUTH LEARNING CENTER - 2ND FLOOR PLAN - WASTE
P1.3	YOUTH LEARNING CENTER - ROOF PLAN
P2.1	YOUTH LEARNING CENTER - 1ST FLOOR PLAN - SUPPLY
P2.2	YOUTH LEARNING CENTER - 2ND FLOOR PLAN - SUPPLY
P3.1	YOUTH LEARNING CENTER - WASTE & VENT RISERS
P3.3	YOUTH LEARNING CENTER - SUPPLY RISERS
P4.1	SCHEDULES
P4.2	SCHEDULES
P5.1	DETAILS

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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

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Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

GENERAL NOTES, LEGENDS & SCHEDULES

P0.1

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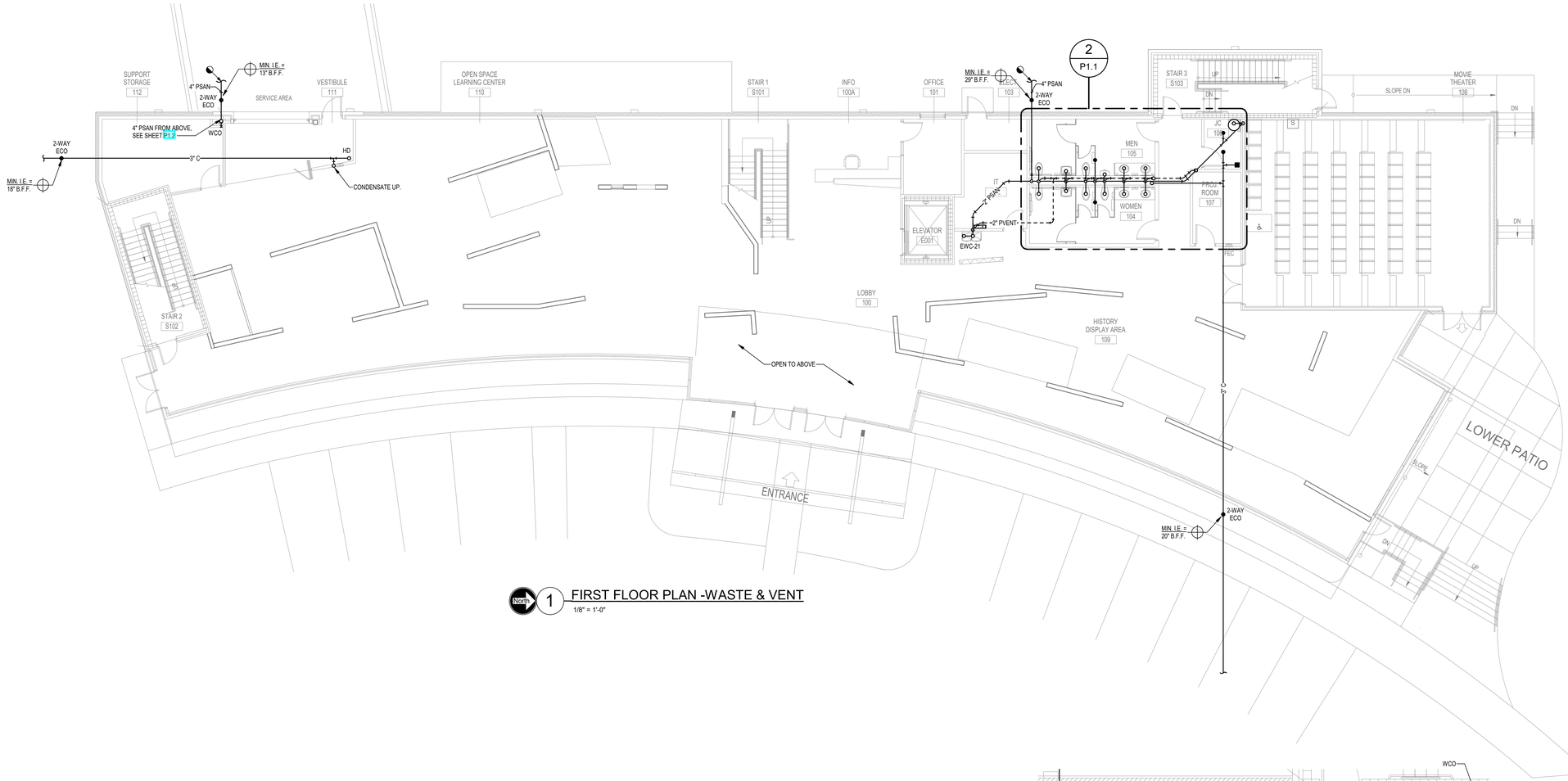
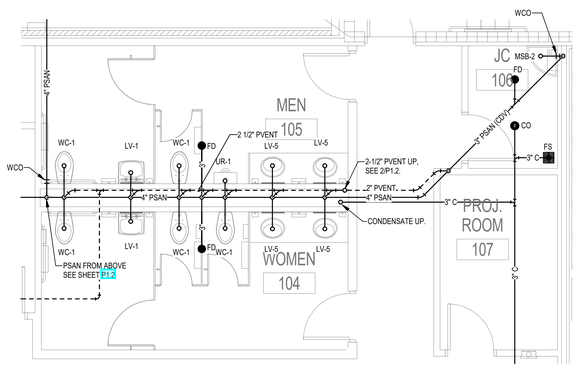


1 FIRST FLOOR PLAN -WASTE & VENT
1/8" = 1'-0"



2 ENLARGED FIRST FLOOR PLAN - WASTE & VENT
1/4" = 1'-0"

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SHEET TITLE

YOUTH LEARNING CENTER - 1ST FLOOR PLAN - WASTE

P1.1

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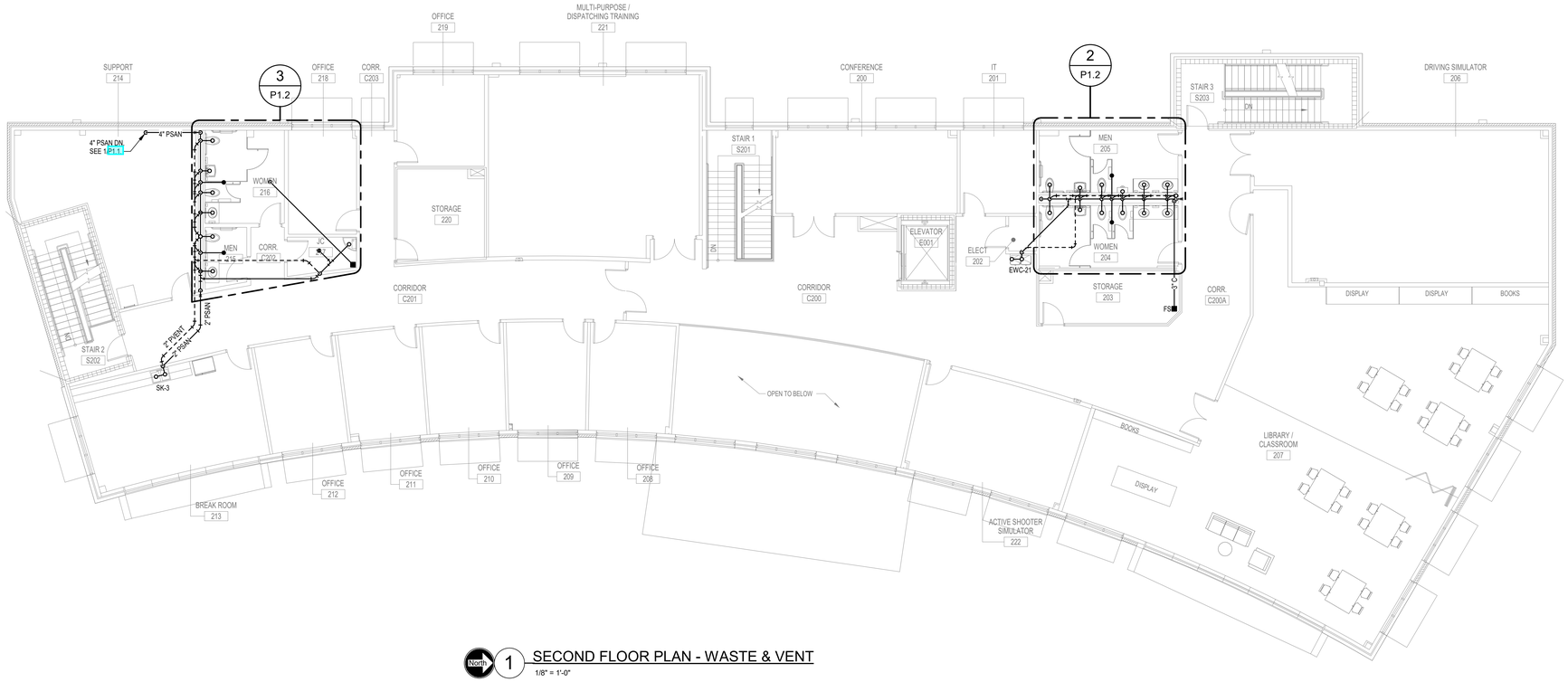
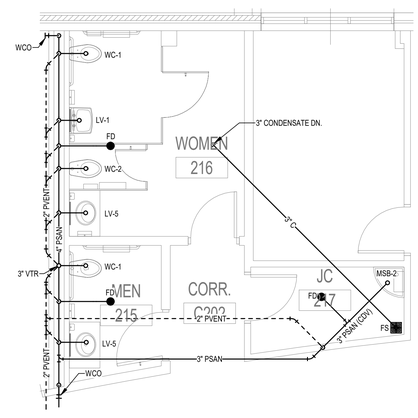


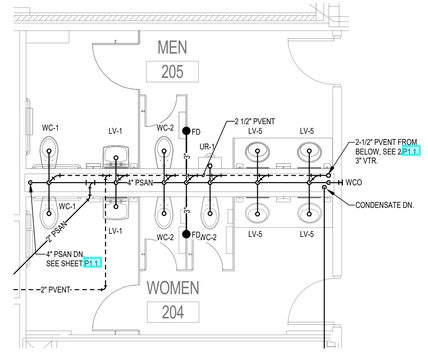
North 1 SECOND FLOOR PLAN - WASTE & VENT

1/8" = 1'-0"



North 3 ENLARGED SECOND FLOOR PLAN - WASTE & VENT

1/4" = 1'-0"



North 2 ENLARGED SECOND FLOOR PLAN - WASTE & VENT

1/4" = 1'-0"

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Revision

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Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 2ND FLOOR PLAN - WASTE

P1.2

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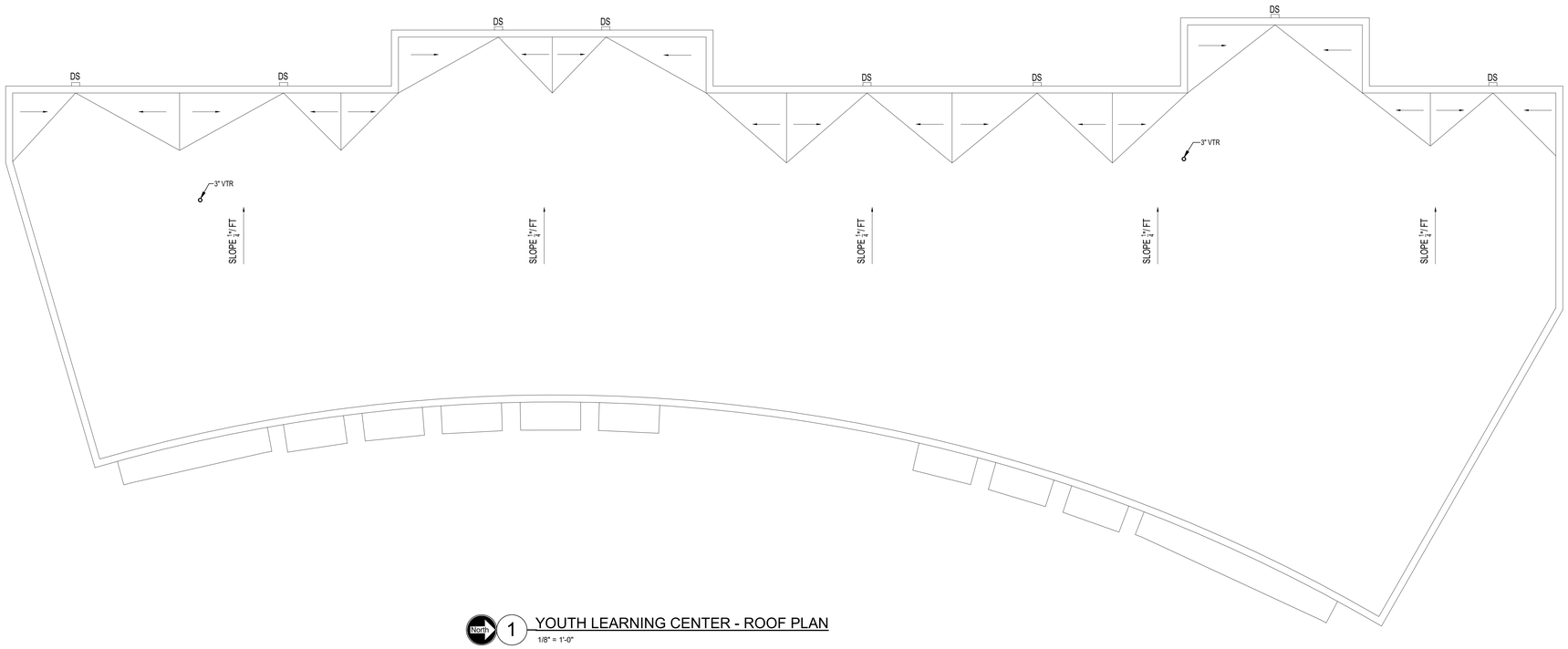

North 1 YOUTH LEARNING CENTER - ROOF PLAN

1/8" = 1'-0"

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Revision

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Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - ROOF PLAN

P1.3

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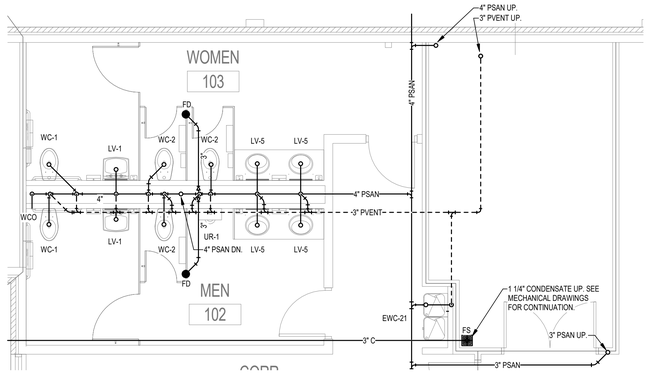
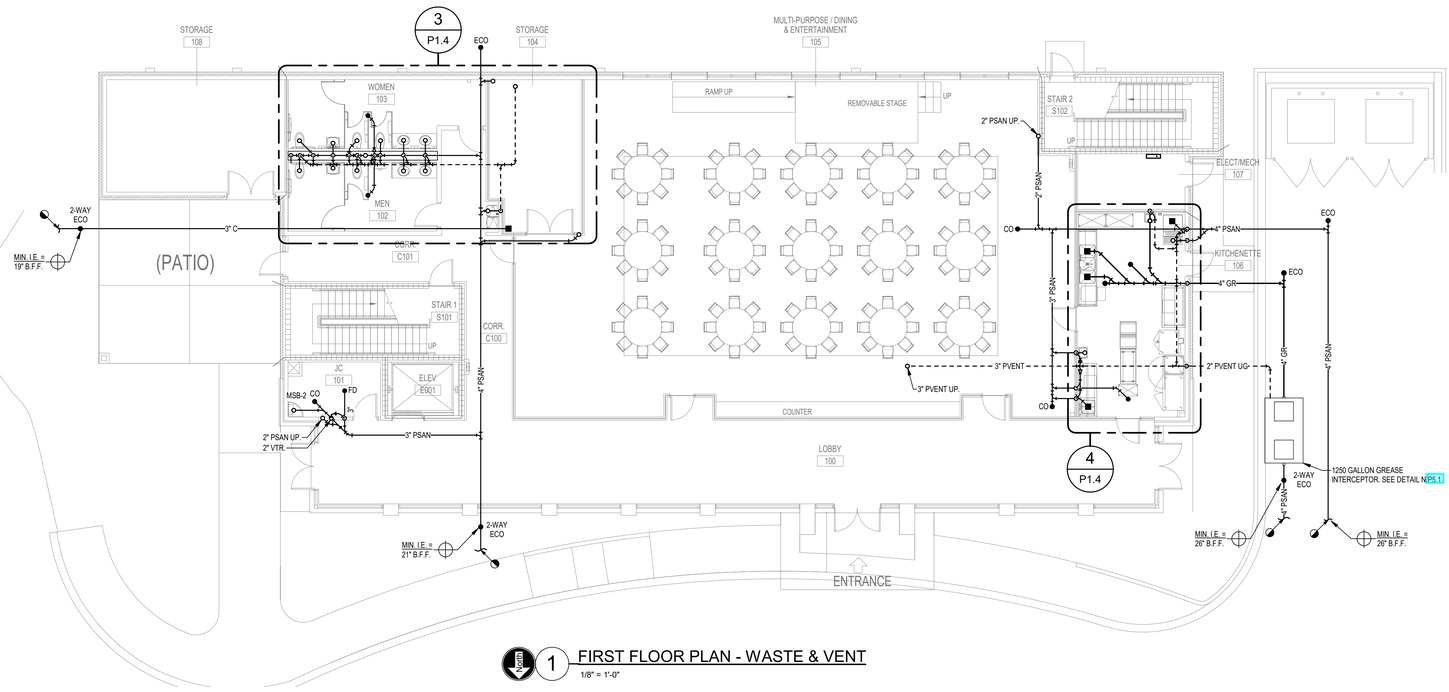
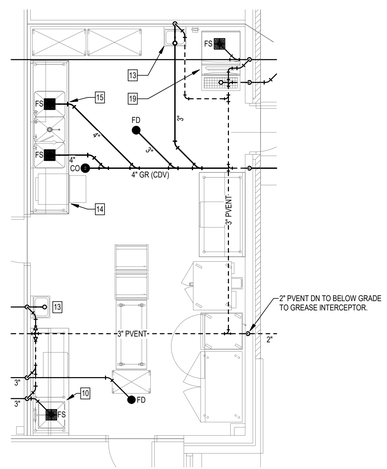


3 ENLARGED FIRST FLOOR PLAN - WASTE & VENT
1/4" = 1'-0"



1 FIRST FLOOR PLAN - WASTE & VENT
1/8" = 1'-0"



4 ENLARGED KITCHEN PLAN - WASTE & VENT
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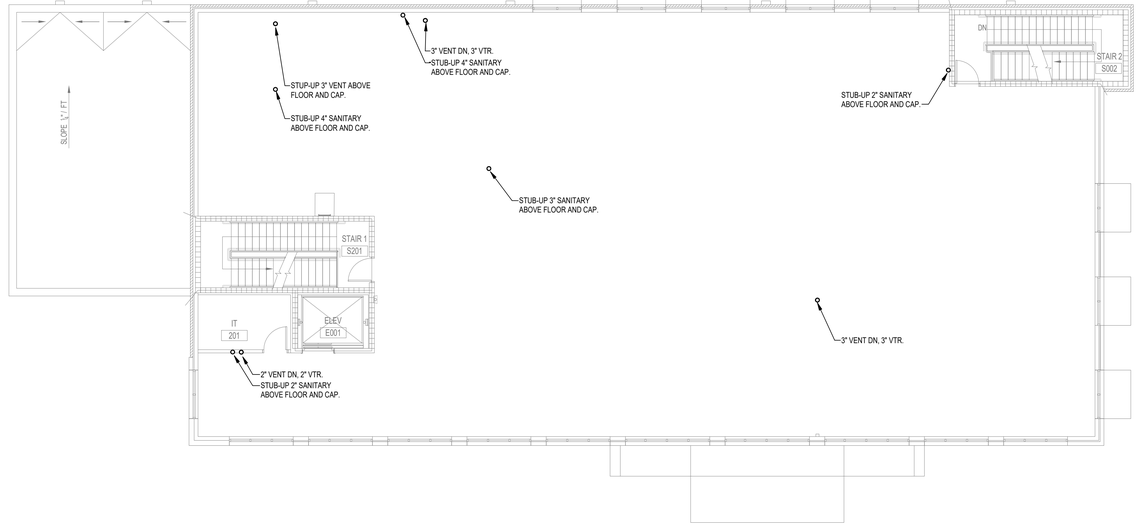

2 SECOND FLOOR PLAN - WASTE & VENT
1/8" = 1'-0"

FOOD SERVICE EQUIPMENT SCHEDULE

BY DIVISION 11			BY DIVISION 22							
EQUIP. TAG	EQUIPMENT (NOTE 1)	QTY.	CWS PIPE SIZE	HWS PIPE SIZE	WASTE PIPE SIZE	WASTE CONNECTION	GAS PIPE SIZE	GAS MBH	ACCESSORIES (NOTE 2)	REMARKS
10	1 COMPARTMENT PREP TABLE W/SINK	1	1/2"	1/2"	1 1/2"	INDIRECT	-	-		
13	HAND SINK	2	1/2"	1/2"	1 1/2"	DIRECT	-	-		
14	UNDERCOUNTER DISH MACHINE	1	1/2"	-	5/8"	INDIRECT	-	-		FUTURE PURCHASE
15	3 COMPARTMENT SINK	1	3/4"	3/4"	1 1/2"	INDIRECT	-	-		
19	ICE MACHINE	1	1/2"	1/2"	2"	INDIRECT	-	-		
19.2	WATER FILTER	1	3/8"	-	3/4"	-	-	-		

NOTES:
1 SEE FOOD SERVICE DRAWINGS FOR MORE INFORMATION ON FIXTURES AND ACCESSORIES.

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Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BUILDING - WASTE

P1.4

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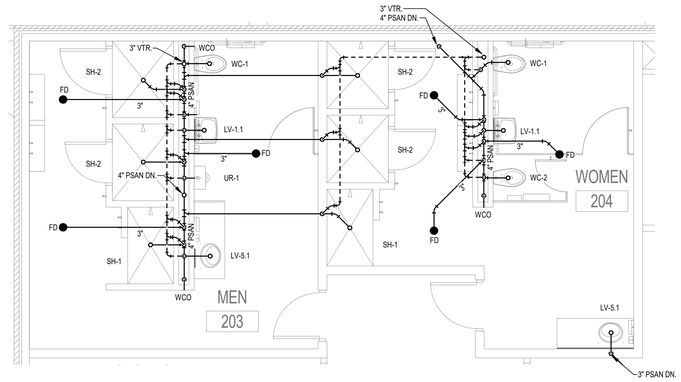
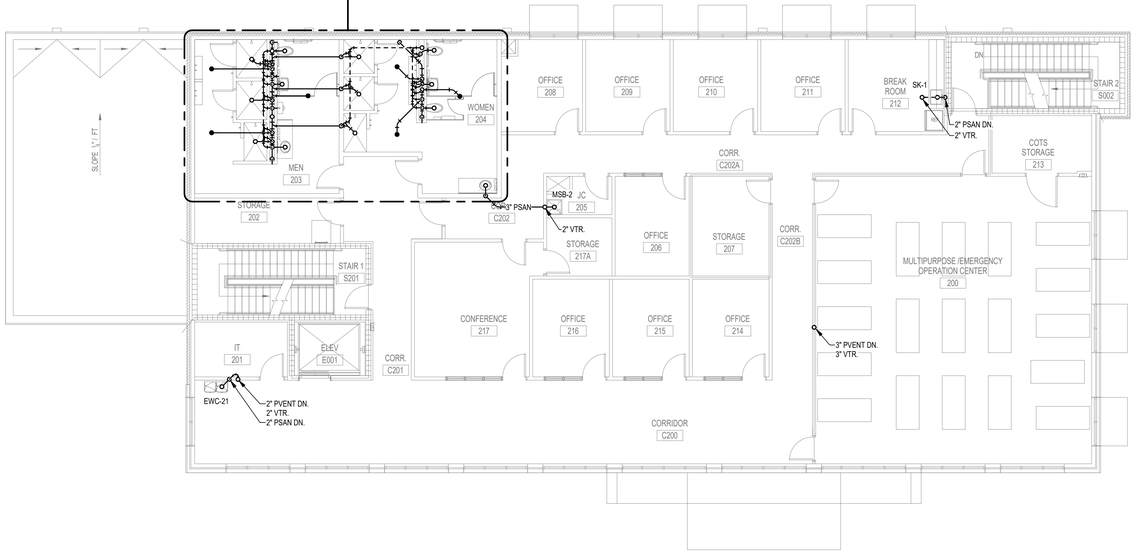


2 ENLARGED SECOND FLOOR PLAN - ADD ALTERNATE - WASTE & VENT

1/4" = 1'-0"



1 SECOND FLOOR PLAN - ADD ALTERNATE - WASTE & VENT

1/8" = 1'-0"

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TALLAHASSEE, FL.

CRA ARCHITECTS

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Construction Managers
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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25		
50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT BUILDING - 2ND FLOOR ADD ALT. - WASTE

P1.4A

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
7/17/2025 8:01:45 AM

ROOF PLAN - ADD ALTERNATE

1/8" = 1'-0"

ENGINEERING
114 EAST 5th AVENUE TALLAHASSEE, FL 32303
PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No. 24179

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Florida Registry #1485
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

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DESIGN DEVELOPMENT	02-28-25	SPD	RDR
50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

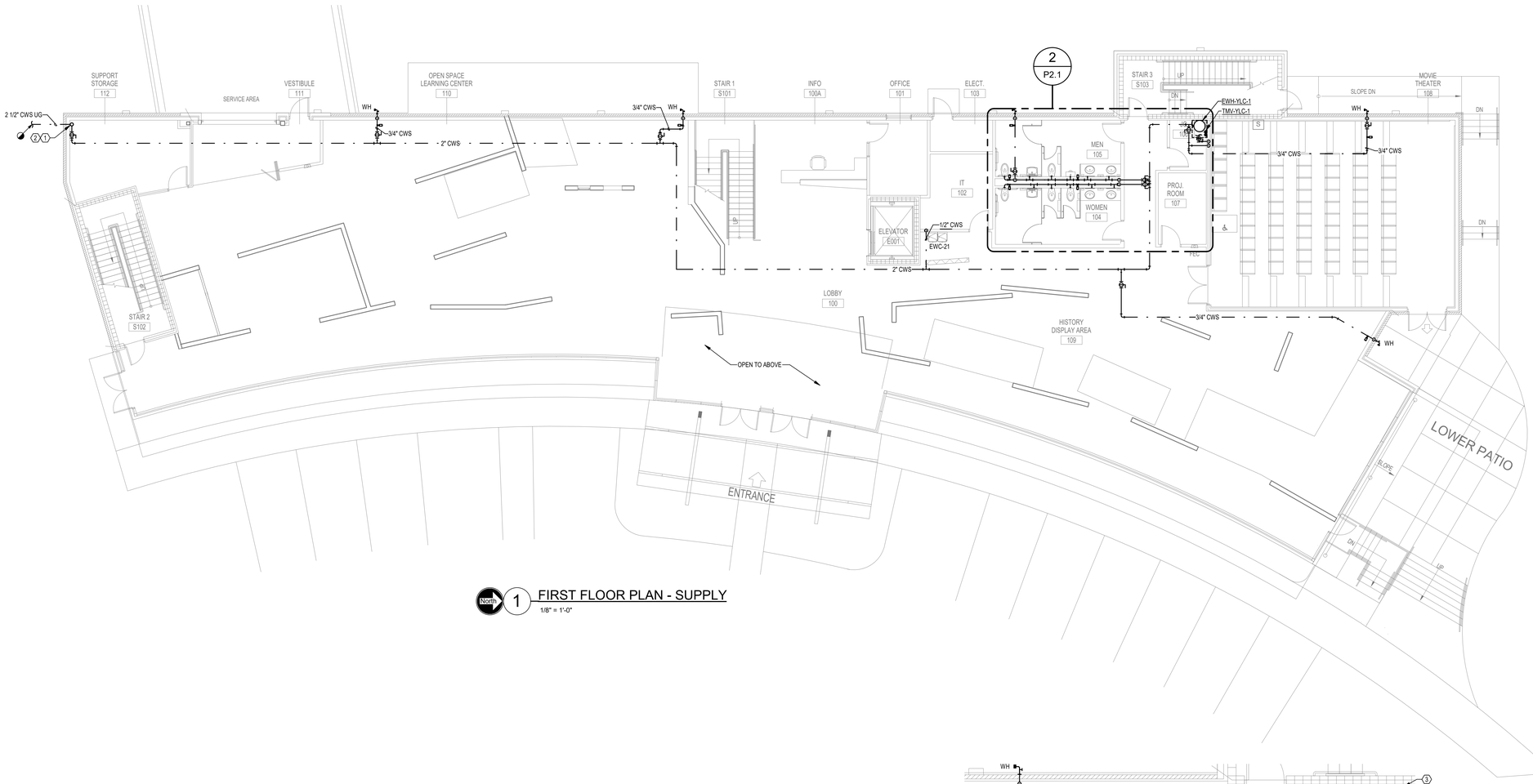
BLACKBURN-HUNT BUILDING - ROOF PLAN - ADD ALT.

P1.5A

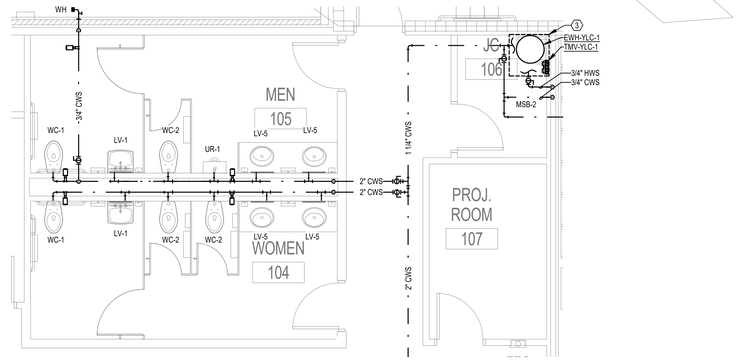
Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
7/17/2025 8:01:45 AM

KEYED NOTES:

1. WATER SERVICE ENTRANCE, SEE DETAILS B&I/P5.1
2. 2" CWS UP, SEE 1/P2.2
3. SHELF MOUNT EWH-YLC-1 ABOVE MOP SINK. SEE A/P5.1 FOR WATER HEATER AND TMV PIPING.



North 1 FIRST FLOOR PLAN - SUPPLY
1/8" = 1'-0"



North 2 ENLARGED FIRST FLOOR PLAN - SUPPLY
1/4" = 1'-0"

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50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

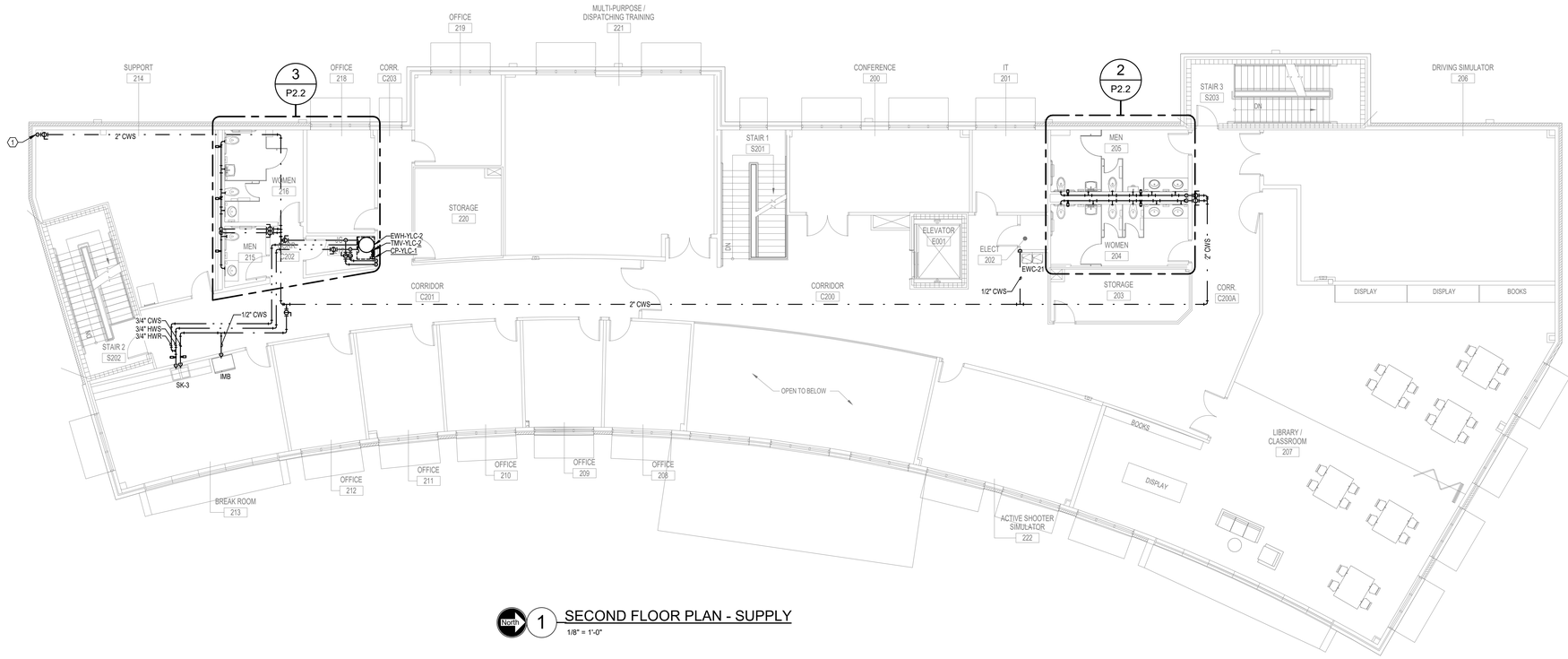
SHEET TITLE
YOUTH LEARNING CENTER - 1ST FLOOR PLAN - SUPPLY

P2.1

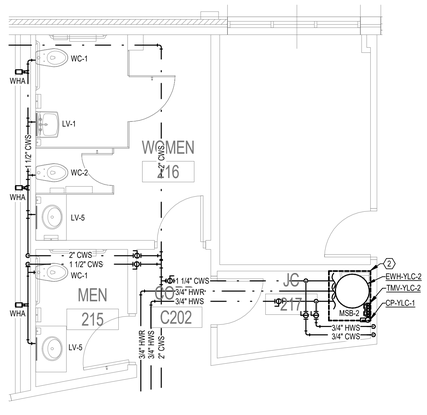
Autodesk Docs://24-797 Florida Sheriffs Association - Learning Center/24-797 Florida Sheriffs Association - Learning Center_MEP Central_R24.rvt
7/17/2025 8:48:07 AM

KEYED NOTES:

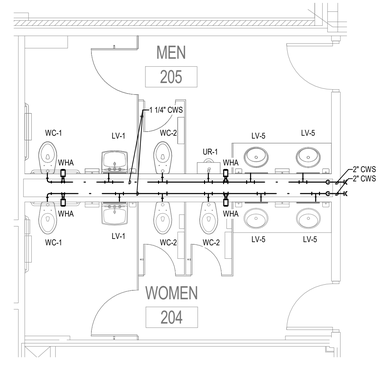
1. 2" CWS FROM BELOW, SEE 1/P2.1.
2. SHELF MOUNT EWH-YLC-2 ABOVE MOP SINK. SEE A/P5.1 FOR WATER HEATER AND TMV PIPING.



North 1 SECOND FLOOR PLAN - SUPPLY
1/8" = 1'-0"



North 3 ENLARGED SECOND FLOOR PLAN - SUPPLY
1/4" = 1'-0"



North 2 ENLARGED SECOND FLOOR PLAN - SUPPLY
1/4" = 1'-0"

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50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

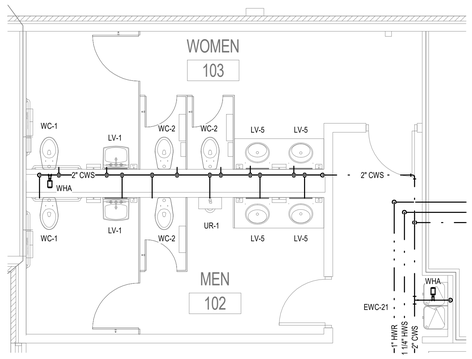
SHEET TITLE
YOUTH LEARNING CENTER - 2ND FLOOR PLAN - SUPPLY

P2.2

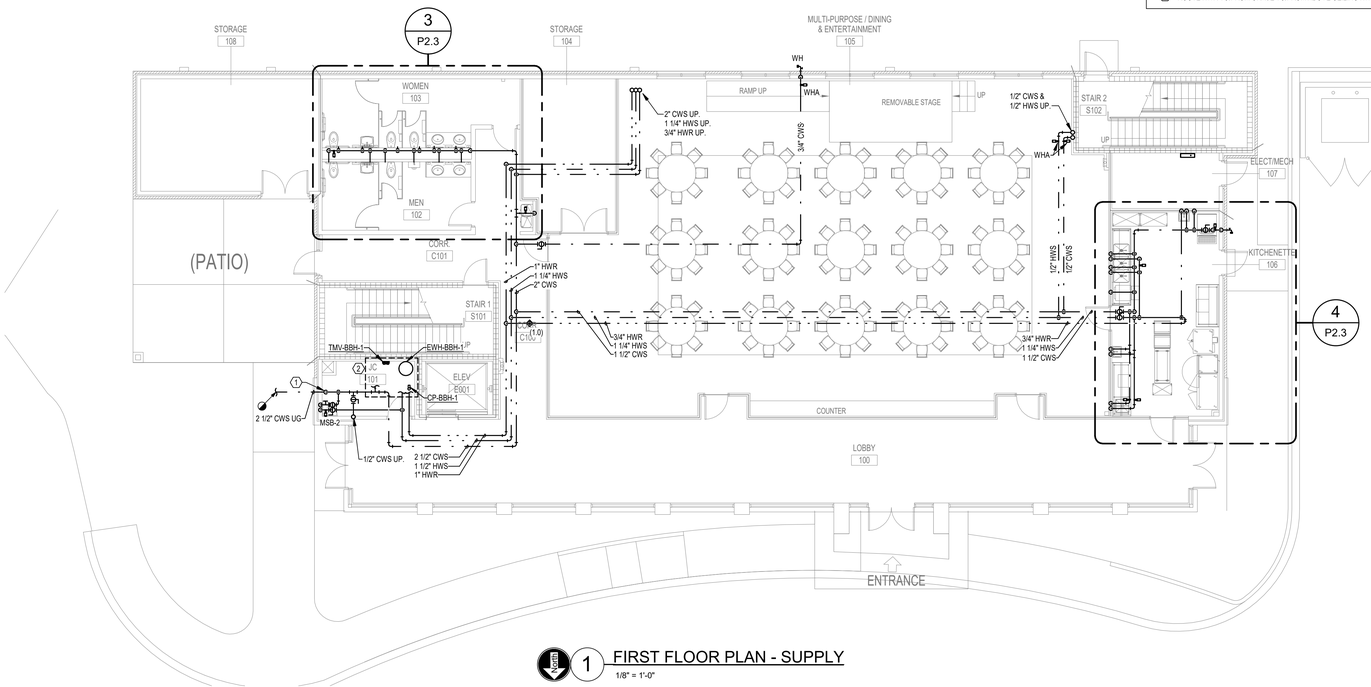
Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
7/17/2025 8:09:06 AM

KEYED NOTES:

1. WATER SERVICE ENTRANCE, SEE DETAILS B&P/P5.1
2. FLOOR MOUNT EWH-BBH-1, SEE DETAIL A/P5.1 FOR WATER HEATER AND TMV PIPING.
3. ROUTE HWS DOWN/UP IN WALL TO/FROM WITHIN 2 FEET OF LAVATORY AS INDICATED
4. ROUTE HWR TO/FROM CHASE TO/FROM ABOVE CEILING HWR PIPING AS INDICATED.



3 ENLARGED FIRST FLOOR PLAN - SUPPLY
1/4" = 1'-0"



1 FIRST FLOOR PLAN - SUPPLY
1/8" = 1'-0"

4 ENLARGED KITCHEN PLAN - SUPPLY
1/4" = 1'-0"

2 SECOND FLOOR PLAN - SUPPLY
1/8" = 1'-0"

FOOD SERVICE EQUIPMENT SCHEDULE

BY DIVISION 11			BY DIVISION 22							
EQUIP. TAG	EQUIPMENT (NOTE 1)	QTY.	CWS PIPE SIZE	HWS PIPE SIZE	WASTE PIPE SIZE	WASTE CONNECTION	GAS PIPE SIZE	GAS MBH	ACCESSORIES (NOTE 2)	REMARKS
10	1 COMPARTMENT PREP TABLE W/SINK	1	1/2"	1/2"	1 1/2"	INDIRECT	-	-		
13	HAND SINK	2	1/2"	1/2"	1 1/2"	DIRECT	-	-		
14	UNDERCOUNTER DISH MACHINE	1	1/2"	-	5/8"	INDIRECT	-	-		FUTURE PURCHASE
15	3 COMPARTMENT SINK	1	3/4"	3/4"	1 1/2"	INDIRECT	-	-		
19	ICE MACHINE	1	1/2"	1/2"	2"	INDIRECT	-	-		
19.2	WATER FILTER	1	3/8"	-	3/4"	-	-	-		

NOTES:
1 SEE FOOD SERVICE DRAWINGS FOR MORE INFORMATION ON FIXTURES AND ACCESSORIES.

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114 EAST 5th AVENUE TALLAHASSEE, FL 32303
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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

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100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BUILDING - SUPPLY

P2.3

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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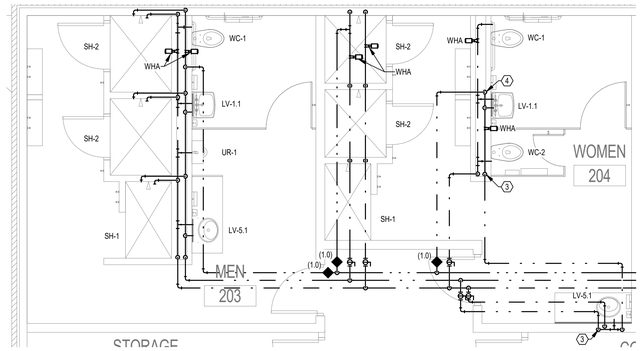
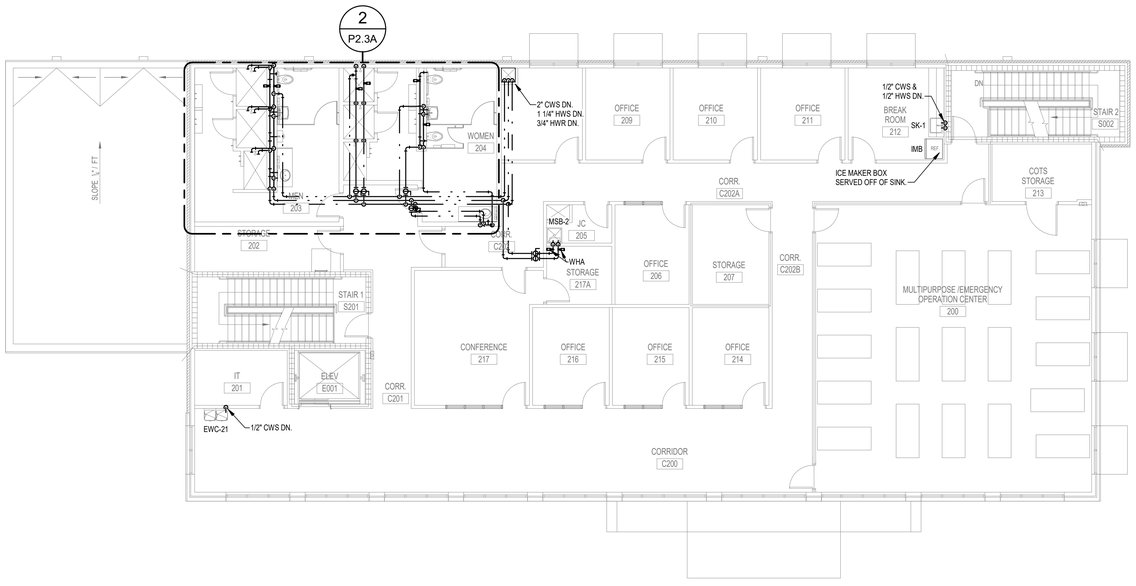


2 ENLARGED SECOND FLOOR PLAN - ADD ALTERNATE - SUPPLY

1/4" = 1'-0"



1 SECOND FLOOR PLAN - ADD ALTERNATE - SUPPLY

1/8" = 1'-0"

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MAHAN DRIVE
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CRA ARCHITECTS

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50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT BUILDING - 2ND FLOOR ADD ALT. - SUPPLY

P2.3A

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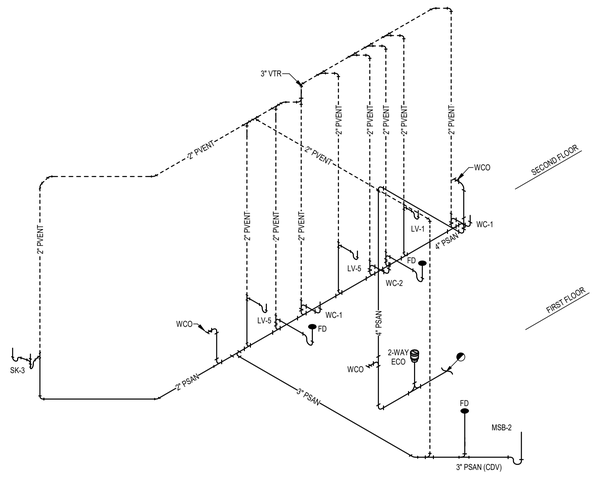
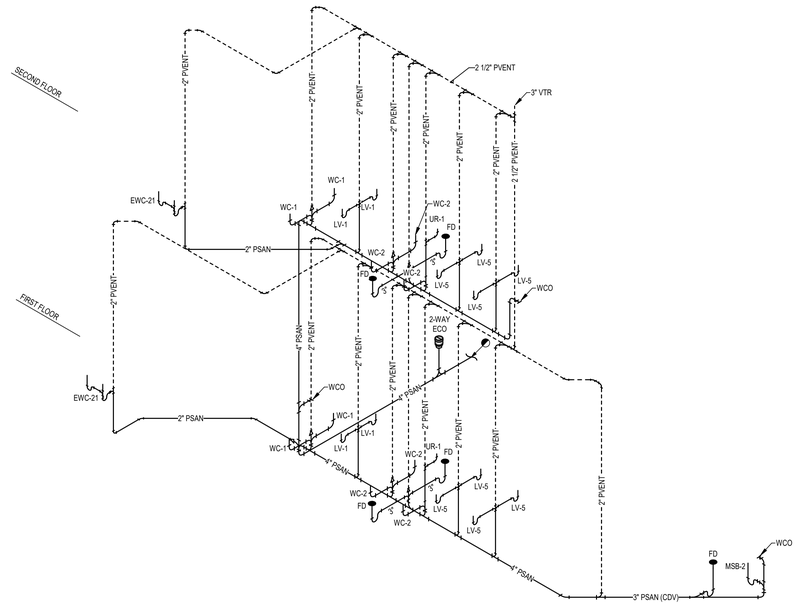
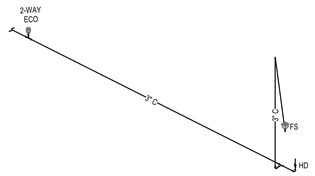


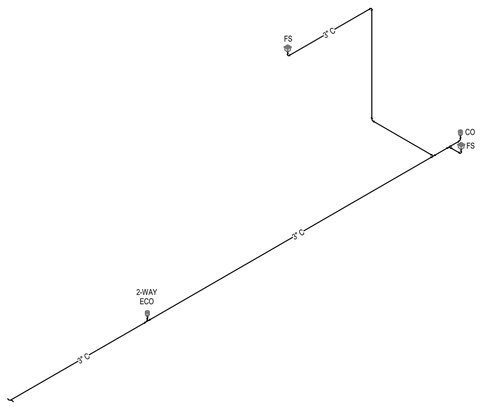
2 YOUTH LEARNING CENTER - WASTE & VENT - SOUTH



1 YOUTH LEARNING CENTER - WASTE & VENT - NORTH



3 YOUTH LEARNING CENTER - CONDENSATE - SOUTH



4 YOUTH LEARNING CENTER - CONDENSATE - NORTH

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www.H2Engineering.com

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100% CD	07-18-25	SPD	RDR

Revision

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CRA Project # 24029

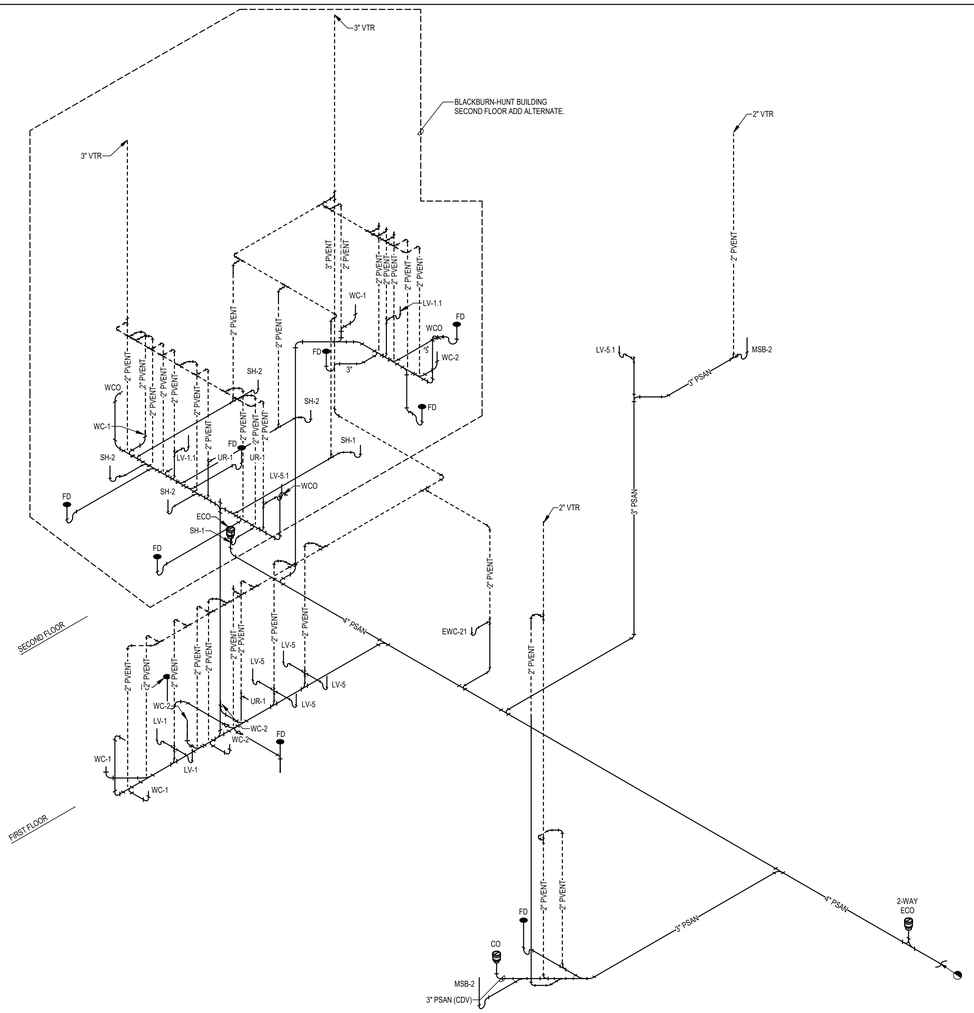
Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

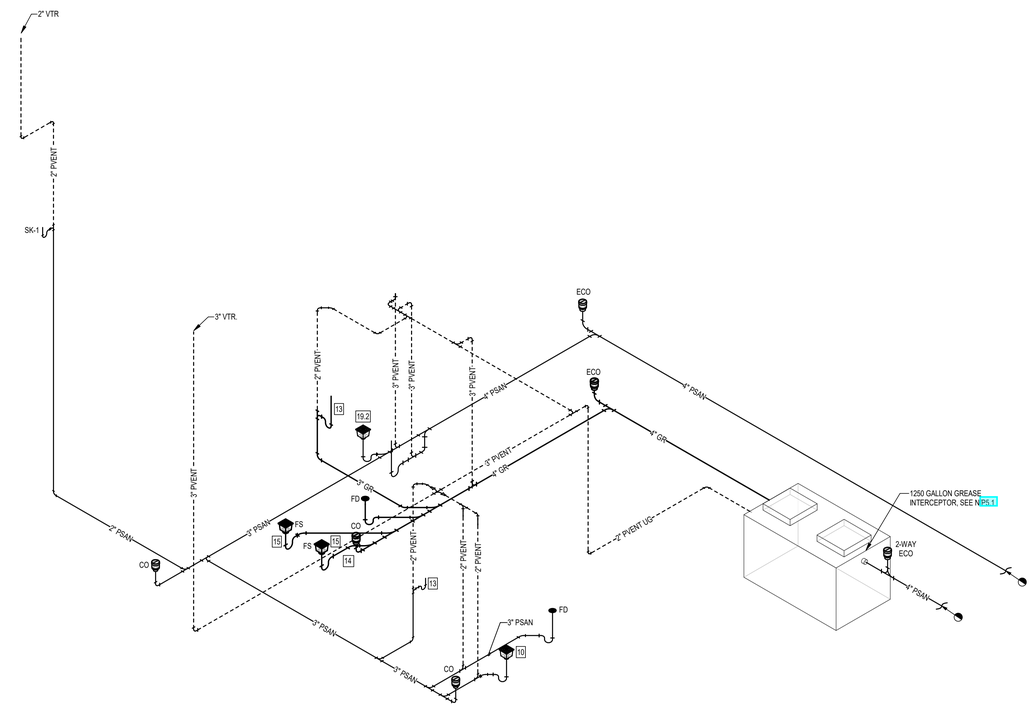
YOUTH LEARNING CENTER - WASTE & VENT RISERS

P3.1

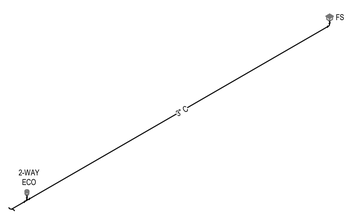
Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
7/7/2025 8:49:51 AM



2 BLACKBURN-HUNT BUILDING - WASTE & VENT - SOUTH



1 BLACKBURN-HUNT BUILDING - WASTE & VENT - NORTH



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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	SPD	RDR
50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN - HUNT BUILDING - WASTE & VENT RISERS

P3.2

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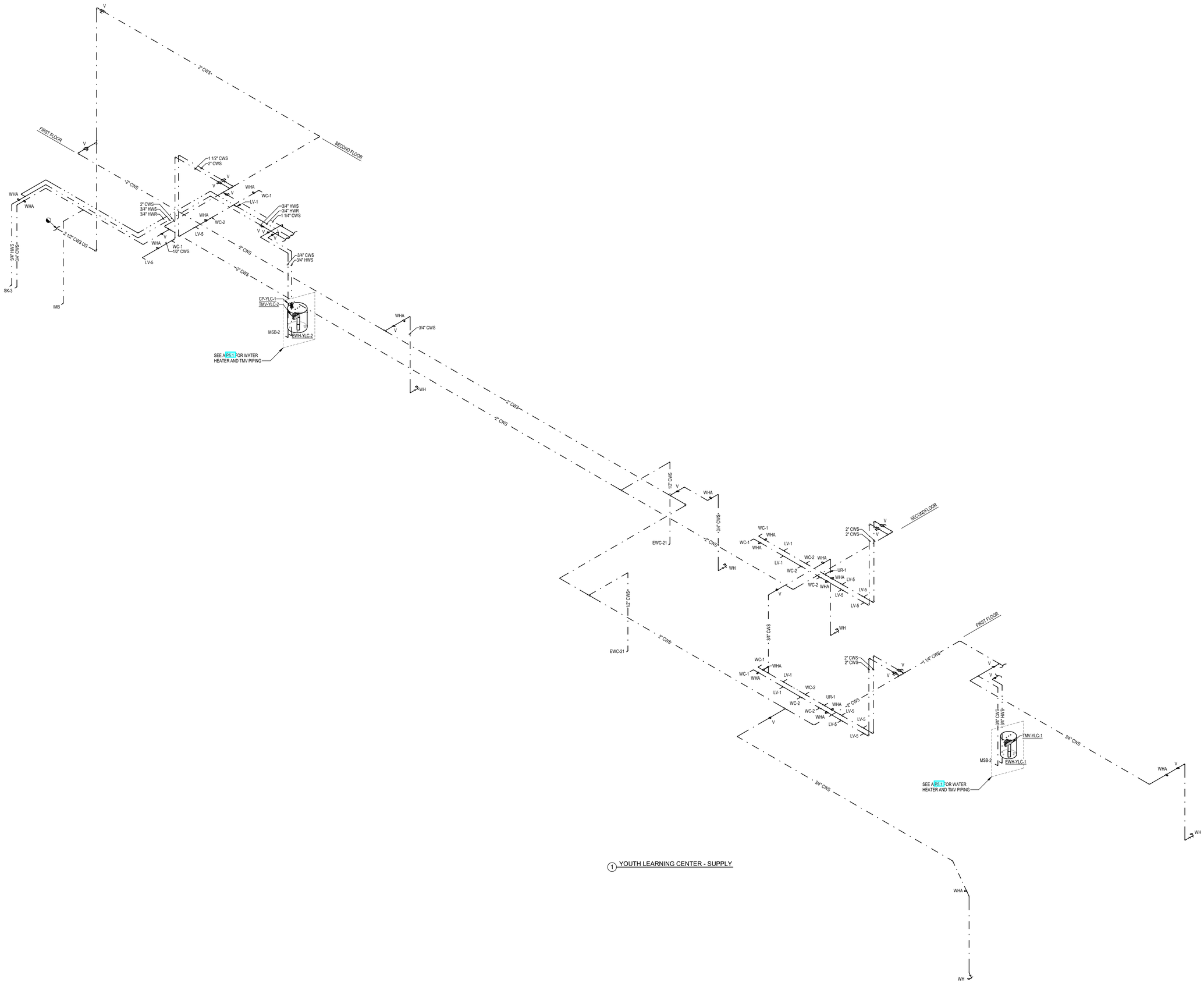

1 YOUTH LEARNING CENTER - SUPPLY

ENGINEERING
114 EAST 5th AVENUE TALLAHASSEE, FL 32303
PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No. 24179

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Florida Registry #1485
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

Clemons,Rutherford, & Associates, Inc.

Architects
Planners
Interior Designers
Construction Managers

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Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - SUPPLY RISERS

P3.3

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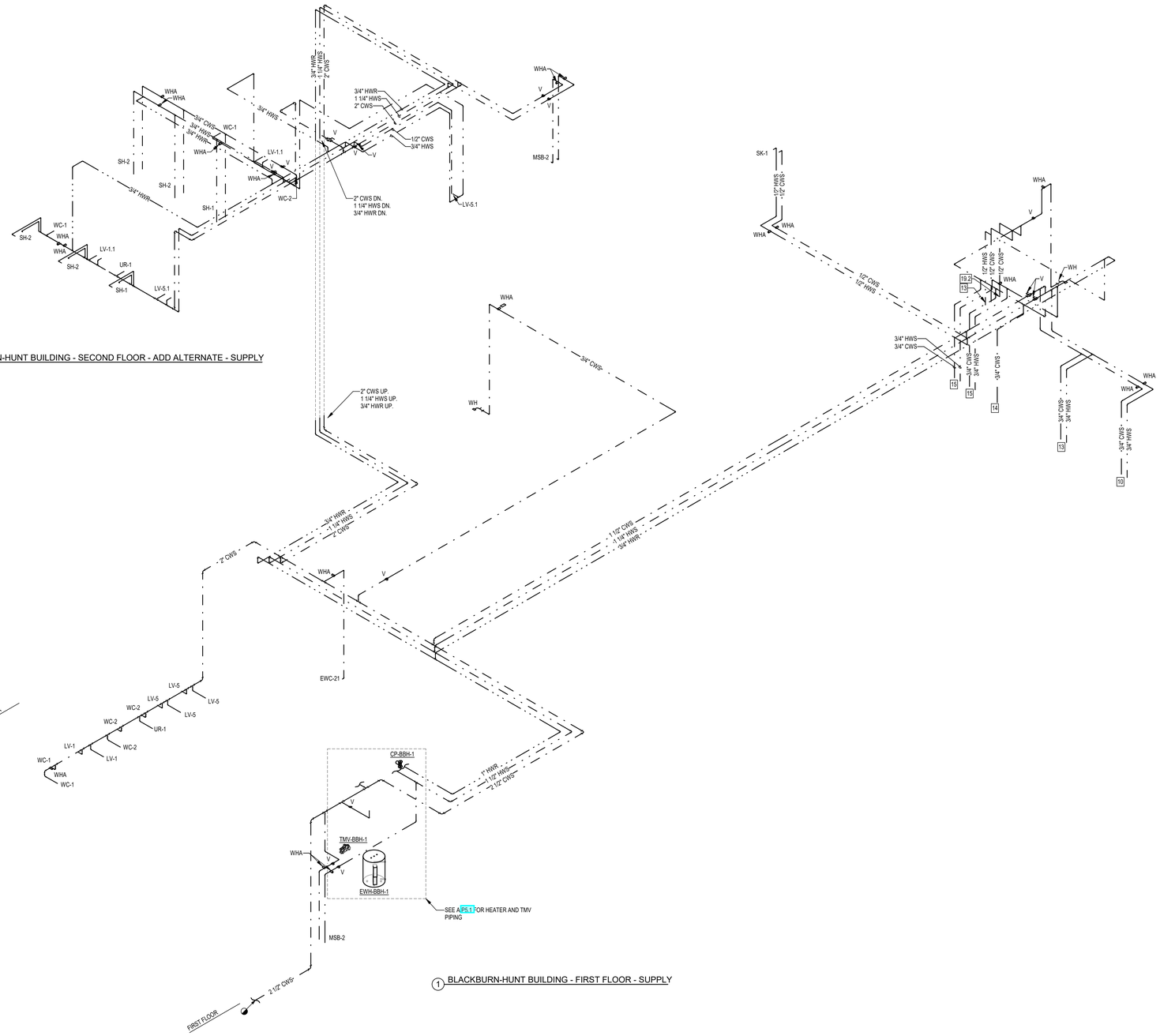

2 BLACKBURN-HUNT BUILDING - SECOND FLOOR - ADD ALTERNATE - SUPPLY

1 BLACKBURN-HUNT BUILDING - FIRST FLOOR - SUPPLY

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Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN - HUNT BUILDING - SUPPLY RISERS

P3.4

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FIXTURE UNIT CALCULATIONS - YOUTH LEARNING CENTER

FIXTURE TYPE		QUANTITY	WASTE		SUPPLY					
					COLD		HOT		TOTAL	
			UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL	UNIT	TOTAL
	DRINKING FOUNTAIN	2	0.5	1	0.25	0.5			0.25	0.5
	LAVATORY (COLD WATER)	15	1	15	2	30			2	30
	SINK	1	2	2	2	2	2	2	3	3
	MOP SERVICE BASIN	2	2	4	2.25	4.5	2.25	4.5	3	6
	URINAL (3/4" VALVE)	2	4	8	5	10			5	10
	WATER CLOSET (FLUSH VALVE)	13	6	78	10	130			10	130
	HOSE BIBB / WALL HYDRANT	7			4	28			4	28
	FLOOR DRAIN	8	2	16						
	REFRIGERATOR / ICE MAKER	1			1	1			1	1
TOTAL FIXTURE UNITS				124		206		7		209
DOMESTIC WATER DEMAND (GPM)						91.3		5.9		91.9

THERMOSTATIC MIXING VALVES

DESIGNATION			TMV-YLC-1	TMV-YLC-2
	APPLICATION		MED / LOW	MED / LOW
	SET-POINT	°F	110	110
	MINIMUM FLOW	GPM	0.5	0.5
	MAXIMUM FLOW	GPM	3.5	3.5
	PRESSURE DROP @ MAX FLOW	PSI	5	5
	RECIRCULATED SYSTEM		YES	YES
	ASSE COMPLIANCE		1017	1017
MANUFACTURER			LAWLER	LAWLER
MODEL NUMBER			61-15	61-15
DETAIL REFERENCE			A/P5.1	A/P5.1

NOTES:
1 PROVIDE ROUGH BRASS FINISH

CIRCULATOR PUMPS

DESIGNATION			CP-YLC-1
	SERVICE		DHW
	CAPACITY	GPM	4
	TOTAL DYNAMIC HEAD	FT.	27
	SHUT-OFF HEAD	FT.	35
	PUMP SEAL		MECHANICAL
	MOTOR SPEED	RPM	3,250
	MOTOR HORSEPOWER	HP	1/8
	MOTOR WINDING		FULL
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1
	NOTES		1
MANUFACTURER			TACO
MODEL NUMBER			009-SF5
DETAIL REFERENCE			A/P5.1

NOTES:
1 PROVIDE TACO 00 TIMER/AQUASTAT WITH 7 DAY DIGITAL PROGRAMMABLE TIMER. SET TIMER FOR ALLOWABLE OPERATION DURING OCCUPIED HOURS AND AQUASTAT TO CYCLE PUMP.

2 PLUMBING CONTRACTOR TO COORDINATE INSTALLATION OF TIMER AND AQUASTAT WITH ELECTRICAL CONTRACTOR AND INSTALL PER MANUFACTURER INSTRUCTIONS.

ELECTRIC STORAGE WATER HEATERS

DESIGNATION			EWH-YLC-1	EWH-YLC-2
	STORAGE	GAL	15	15
	HEATING ELEMENT INPUT (EACH)	kW	3.0	3.0
	NUMBER OF ELEMENTS	#	1	1
	SIMULTANEOUS OPERATION OF ELEMENTS		NO	NO
	TOTAL HEATING INPUT	kW	3.0	3.0
	ENTERING WATER TEMPERATURE	°F	65	65
	LEAVING WATER TEMPERATURE	°F	140	140
	TEMPERATURE RISE	°F	75	75
	RECOVERY RATE	GPH	16	16
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1
MANUFACTURER			A.O. SMITH	A.O. SMITH
MODEL NUMBER			DEL-15	DEL-15
DETAIL REFERENCE			A/P5.1	A/P5.1

NOTES:
1 PROVIDE LOW WATER CUT-OFF.

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Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
SCHEDULES

P4.1

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PLUMBING FIXTURE ACCESSORY SCHEDULE

ACCESSORY TAG	ACCESSORY DESCRIPTION	MANUFACTURER AND MODEL NUMBER
DR-LV-C	1-1/4" CHROME PLATED BRASS OFFSET DRAIN WITH TAIL PIECE. PROVIDE A PERFORATED FLAT CHROME BRASS STRAINER.	ELKAY: LKAD174 OR APPROVED EQUAL
DR-SK-STD	TYPE 304 STAINLESS STEEL DRAIN, REMOVEABLE CONICAL STRAINER BASKET, 1-1/2" STAINLESS STEEL OFFSET TAILPIECE.	ELKAY: LK35/LKS3/LKAD35 OR APPROVED EQUAL
FCT-LV-0.5-AUTO-B	SINGLE INLET, DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, LEAD FREE, BATTERY POWERED, SENSOR OPERATED, 0.5 GPM AERATOR WITH PRESSURE COMPENSATING FLOW CONTROL.	AMERICAN STANDARD: 6058.205 OR APPROVED EQUAL
FCT-LV-0.5-AUTO-W	SINGLE INLET, DECK MOUNTED FAUCET, A.D.A. COMPLIANT, 4" CENTERSET, POLISHED CHROME PLATED BRASS, LEAD FREE,HARDWIRED, SENSOR OPERATED, 0.5 GPM AERATOR WITH PRESSURE COMPENSATING FLOW CONTROL. PROVIDE 10'-0" EXTENSION CABLE, Y-CONNECTOR, AND ONE TRANSFORMER FOR UP TO 10 FAUCETS OR FLUSH VALVES.	AMERICAN STANDARD: 6058.205 OR APPROVED EQUAL
FCT-MSB	SERVICE SINK FAUCET, POLISHED CHROME PLATED BRASS, BUILT-IN STOPS, VACUUM BREAKER, LEVER HANDLES, WALL BRACE, 3/4" HOSE OUTLET.	T&S BRASS: B-0665-BSTP OR APPROVED EQUAL
FCT-SK-1.5-GEN-SPRAY	SINGLE LEVER DECK MOUNTED FAUCET, POLISHED CHROME PLATED BRASS, 9" SWING SPOUT, 1.5 GPM AT 80 PSI AERATOR, HOSE AND SPRAY, SOFT-CLOSING VALVE WITH INTEGRAL FLOW CONTROL AND ADJUSTABLE STOP TO RESTRICT EXTREME TEMPERATURES. PROVIDE COVER PLATE.	T&S BRASS: B-2730 OR APPROVED EQUAL
FD-SH	FLOOR DRAIN FOR SHOWER, 2" OUTLET	0
FV-0.125-AUTO-B	EXPOSED AUTOMATIC URINAL FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 0.125 GPF, BATTERY POWERED, SENSOR OPERATED, 3/4" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6063.013.002 OR APPROVED EQUAL
FV-1.6-AUTO-B	EXPOSED AUTOMATIC WATER CLOSET FLUSH VALVE, A.D.A. COMPLIANT, POLISHED CHROME PLATED, 1.6 GPF, BATTERY POWERED, SENSOR OPERATED, 1" SCREWDRIVER ANGLE STOP, VACUUM BREAKER, CAST WALL FLANGE.	AMERICAN STANDARD: 6065.161.002 OR APPROVED EQUAL
HGR-MSB	STAINLESS STEEL HANGER, WITH THREE RUBBER TOOL GRIPS.	FIAT: 889CC OR APPROVED EQUAL
HOSE-MSB	HEAVY DUTY, FLEXIBLE HOSE, 5/8" RUBBER, CLOTH REINFORCED, 3/4" BRASS COUPLING, TYPE 302 STAINLESS STEEL BRACKET WITH RUBBER GRIP.	FIAT: 832AA OR APPROVED EQUAL
RMGD-MSB	ALUMINUM RIM GUARD.	FIAT: 1239BB OR APPROVED EQUAL
SEAT-OPN-FRT	EXTRA HEAVY DUTY, OPEN FRONT, ELONGATED SEAT, WITHOUT COVER, SOLID PLASTIC, SELF-SUSTAINING CHECK TYPE HINGE. HINGES SHALL MATCH SEAT COLOR. STAINLESS STEEL POSTS FITTED WITH STAINLESS STEEL WASHERS AND NUTS.	BEMIS: 1655SSCT OR APPROVED EQUAL
TMV-LV-95	EXPOSED ROUGH BRONZE, THERMOSTATIC MIXING VALVE, ADJUSTABLE LIMIT STOP, ASSE 1070, LISTED FOR POINT OF USE APPLICATION. SET OUTLET TEMPERATURE TO 95°F.	LAWLER: 570 OR APPROVED EQUAL
TMV-SK	EXPOSED ROUGH BRONZE, THERMOSTATIC MIXING VALVE, ADJUSTABLE LIMIT STOP, ASSE 1070, LISTED FOR POINT OF USE APPLICATION. SET OUTLET TEMPERATURE TO 110°F.	LAWLER: 570 OR APPROVED EQUAL
TR-LV	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/4" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	ELKAY: LK500 OR APPROVED EQUAL
TR-SK-STD	CAST BRASS ADJUSTABLE P-TRAP, TUBING OUTLET, 1-1/2" x 1-1/2", CLEANOUT PLUG, POLISHED CHROME PLATED FINISH.	KOHLER: K-9000-CP OR APPROVED EQUAL
TSI-FD	POLYMER INLINE TRAP SEAL INSERT FOR SHOWER DRAIN, 2" OUTLET	JOSAM: 88240 OR APPROED EQUAL

PLUMBING FIXTURE SCHEDULE

FIXTURE DESIGNATION	FIXTURE DESCRIPTION	A.D.A. COMPLIANT	MOUNTING METHOD	HEIGHT (A.F.F.)	ROUGH-IN PIPE SIZES				MANUFACTURER AND MODEL NUMBER	ACCESSORIES (SEE SCHEDULE)
					COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN		
WC-1	FLUSH VALVE WATER CLOSET, HIGH EFFICIENCY (1.28 - 1.6 GPF), VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY. COLOR: WHITE.	YES	FLOOR	RIM: 16-1/2"	1"	N/A	4"	4"	AMERICAN STANDARD: 3043.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.6-AUTO-B
WC-2	FLUSH VALVE WATER CLOSET, HIGH EFFICIENCY (1.28 - 1.6 GPF), VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, 1-1/2" TOP SPUD, MIN. 2" BALLPASS TRAPWAY. COLOR: WHITE.	NO	FLOOR	RIM: 15"	1"	N/A	4"	4"	AMERICAN STANDARD: 2234.001 OR APPROVED EQUAL	SEAT-OPN-FRT FV-1.6-AUTO-B
UR-1	FLUSH VALVE URINAL, ULTRA HIGH EFFICIENCY (0.125 - 1.0 GPF), VITREOUS CHINA, WASHOUT FLUSHING ACTION, 3/4" TOP SPUD. COLOR: WHITE.	YES	WALL	RIM: 17"	3/4"	N/A	2"	2"	AMERICAN STANDARD: 6590.001 OR APPROVED EQUAL	FV-0.125-AUTO-B
LV-1	LAVATORY, 20"x18", VITREOUS CHINA,3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), ANTI-SPLASH RIM AND HIGH BACK. COLOR: WHITE.	YES	WALL	RIM: 34"	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-AUTO-B DR-LV-C TR-LV
LV-1.1	LAVATORY, 20"x18", VITREOUS CHINA,3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), ANTI-SPLASH RIM AND HIGH BACK. COLOR: WHITE.	YES	WALL	RIM: 34"	1/2"	1/2"	1-1/4"	2"	AMERICAN STANDARD: 0355.012 OR APPROVED EQUAL	FCT-LV-0.5-AUTO-W DR-LV-C TR-LV TMV-LV-95
LV-5	LAVATORY, 20"x17" OVAL, VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), SELF-RIMMING. COLOR: WHITE.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	N/A	1-1/4"	2"	AMERICAN STANDARD: 0440.444.EC OR APPROVED EQUAL	FCT-LV-0.5-AUTO-W DR-LV-C TR-LV
LV-5.1	LAVATORY, 20"x17" OVAL, VITREOUS CHINA, 3 FAUCET HOLES (ONE CENTERED, TWO 4" OFF CENTER), SELF-RIMMING. COLOR: WHITE.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/4"	2"	AMERICAN STANDARD: 0440.444.EC OR APPROVED EQUAL	FCT-LV-0.5-AUTO-W DR-LV-C TR-LV TMV-LV-95
SK-1	SINGLE COMPARTMENT SINK, SELF-RIMMING, 22"x19-1/2", 18"x14"x5-1/2" DEEP BOWL, 18 GAUGE TYPE 304 STAINLESS STEEL, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 9" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: LRAD221955-4 OR APPROVED EQUAL	FCT-SK-1.5-GEN-SPRAY DR-SK-STD TR-SK-STD TMV-SK
SK-3	DOUBLE COMPARTMENT SINK, SELF-RIMMING, 33"x22", 16"x13-1/2"x5" DEEP BOWLS, 18 GAUGE TYPE 302 STAINLESS STEEL, SATIN FINISH, 4 FAUCET HOLES (ONE CENTERED, TWO 4" FROM CENTER, ONE 8" FROM CENTER), SOUND DEADENING COATING ON BOTTOM OF SINK.	YES	COUNTER TOP	SEE ARCH. PLANS	1/2"	1/2"	1-1/2"	2"	ELKAY: LRAD332250 OR APPROVED EQUAL	FCT-SK-1.5-GEN-SPRAY DR-SK-STD TR-SK-STD TMV-SK
MSB-2	MOP SERVICE SINK BASIN, 24"L x 24"W x 12"H, WITH 2" WIDE SHOULDERS, 1/4" PITCH TOWARD INSIDE, PRECAST TERRAZZO (MINIMUM 3,000 PSI @ 7 DAYS), SURFACE GROUND AND POLISHED WITH ALL HOLES AND PITS GROUTED AND WITH EXCESS REMOVED. COLOR: BLACK & WHITE MARBLE CHIPS IN GRAY PORTLAND CEMENT.	NO	FLOOR	---	1/2"	1/2"	3"	3"	FIAT: TSB-200 OR APPROVED EQUAL	FCT-MSB RMGD-MSB HOSE-MSB HGR-MSB
IMB	ICE MAKER HOOK-UP BOX, 20 GAUGE STEEL, WHITE POWDER-COATED, ALL WELDED WATER TIGHT CONSTRUCTION, COLD WATER SUPPLY VALVE WITH 1/2" COPPER SWEAT INLET AND 1/4" COMPRESSION OUTLET AND WATER HAMMER ARRESTER.	N/A	WALL RECESSED	--	1/2"	N/A	N/A	N/A	GUY GRAY: MIB1HAAB OR APPROVED EQUAL	
WH	EXTERIOR WALL HYDRANT, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, WITH INTEGRAL BACKFLOW PREVENTER, ALL BRONZE INTERIOR PARTS, 3/4" INLET, 3/4" HOSE THREAD OUTLET, STAINLESS STEEL FACE AND OPERATING KEY.	N/A	WALL RECESSED	--	3/4"	N/A	N/A	N/A	0	
EWC-21	ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION. FILTERED, BARRIER-FREE, TYPE 304 STAINLESS STEEL BASIN, BRUSHED FINISH, VANDAL-RESISTANT BUBBLER, STAINLESS STEEL CABINET AND CANE APRON, LEAD-FREE WATERWAYS, SELF-CONTAINED SYSTEM (R-134A REFRIGERANT) DELIVERS MIN. 8 GPH OF 50°F WATER @ 80°F. INLET WATER AND 90°F AMBIENT AIR, 120V/1PH. BOTTLE FILLING STATION: ELECTRONIC SENSOR ACTIVATED WITH AUTOMATIC 20-SECOND SHUT-OFF TIMER AND BOTTLE COUNTER. DELIVERS MIN. 1 GPM FLOW RATE WITH LAMINAR FLOW. ANTI-MICROBIAL PLASTIC COMPONENTS.	YES	WALL SURFACE	SPOUT: 38" / 32" CHILDREN'S ADA SPOUT: 30"	1/2"	N/A	1-1/4"	2"	ELKAY: LZSTL08WSSK OR APPROVED EQUAL	
SH-1	SHOWER: SINGLE HANDLE PRESSURE BALANCED THERMOSTATIC MIXING VALVE WITH CERAMIC CARTRIDGE, INTEGRAL VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, TWO SERVICE STOPS/CHECK STOPS. TWO-WAY BRASS DIVERTER VALVE. SHOWER HEAD WITH INTEGRAL 2.5 GPM @ 80 PSI FLOW CONTROL, ADJUSTABLE PATTERN, ARM AND WALL FLANGE. HAND HELD SHOWER WITH 69" FLEXIBLE METAL HOSE. 36" MOUNTING SLIDE BAR WALL CONNECTION. ALL EXPOSED METALLIC TRIM IS POLISHED CHROME PLATED NICKEL.	YES	WALL	VALVE: 38" TO 48" (OPTIONAL)	1/2"	1/2"	3"	3"	DELTA: T17TH155-25 OR APPROVED EQUAL	FD-SH TSI-FD
SH-2	SHOWER: SINGLE HANDLE PRESSURE BALANCED THERMOSTATIC MIXING VALVE WITH CERAMIC CARTRIDGE, INTEGRAL VOLUME CONTROL, ADJUSTABLE TEMPERATURE LIMIT STOP, TWO SERVICE STOPS/CHECK STOPS. BUILT-IN REVERSE CONNECTION. SHOWER HEAD WITH INTEGRAL 1.75 GPM @ 80 PSI FLOW CONTROL, ADJUSTABLE PATTERN, ARM FLANGE. ALL EXPOSED METALLIC TRIM IS POLISHED CHROME PLATED NICKEL.	NO	WALL	VALVE: 38" TO 48" (OPTIONAL)	1/2"	1/2"	3"	3"	DELTA: T17TH125 OR APPROVED EQUAL	FD-SH TSI-FD

NOTES:

1. SUPPLY STOPS: CHROME-PLATED-BRASS, ONE-QUARTER TURN, BALL-TYPE OR COMPRESSION VALVE WITH INLET MATCHING SUPPLY PIPING.
2. FLEXIBLE CONNECTIONS: ASME A112.18.6 BRAIDED- OR CORRUGATED-STAINLESS STEEL, FLEXIBLE HOSE RISER.
3. SUPPORT CARRIERS: ASME A112.6.1M TYPE 1 (URINALS) OR TYPE 2 (CONCEALED ARM FOR LAVATORIES) WITH RECTANGULAR STEEL UPRIGHTS, COUPLING, SEAL, AND MOUNTING HARDWARE.
4. A.D.A. LAVATORIES & SINKS: PROTECT DRAIN AND SUPPLY LINES WITH "TRAP WRAP" OR APPROVED EQUAL.
5. EXTRA MAINTENANCE MATERIALS: FURNISH TWO (2) FLUSHOMETER-VALVE REPAIR KITS FOR EACH TYPE OF FLUSHOMETER VALVE INSTALLED.

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H2E PROJECT No: 24179

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Florida Registry #1485
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	SPD	RDR
50% CD	04-15-25	SPD	RDR
100% CD	07-18-25	SPD	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
SCHEDULES

P4.2

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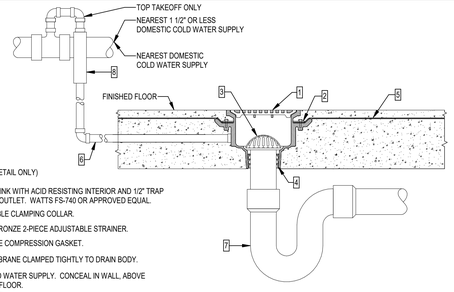
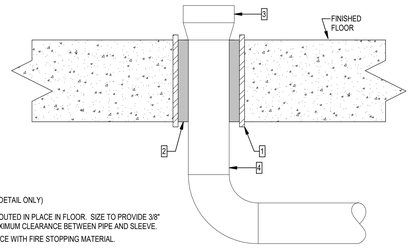


KEY NOTES: (THIS DETAIL ONLY)

1. CAST IRON FLOOR SINK WITH ACID RESISTING INTERIOR AND 1/2" TRAP PRIMER TAP AND 3" OUTLET. WATTS FS-740 OR APPROVED EQUAL.
2. CAST IRON INVERTIBLE CLAMPING COLLAR.
3. POLISHED NICKEL BRONZE 2-PIECE ADJUSTABLE STRAINER.
4. PUSH-ON NEOPRENE COMPRESSION GASKET.
5. WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
6. 1/2" DOMESTIC COLD WATER SUPPLY. CONCEAL IN WALL, ABOVE CEILING OR BELOW FLOOR.
7. 3" DEEP SEAL P-TRAP
8. PRESSURE ACTIVATED TRAP PRIMER VALVE - PRECISION PLUMBING PRODUCTS (P.P.P.) OR APPROVED EQUAL. INSTALL MINIMUM 12" A.F.F. FOR EVERY 20' OF PRIMER LINE. IF DISTRIBUTION UNIT DU-4 IS USED, UP TO FOUR FLOOR DRAINS MAY BE SERVED FROM ONE TRAP PRIMER VALVE. INSTALL IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL FOR SERVICE.

1FS4.3

L FLOOR SINK



KEY NOTES: (THIS DETAIL ONLY)

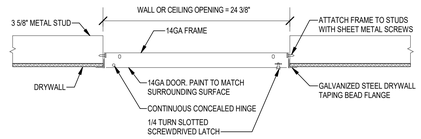
1. STEEL SLEEVE GROUTED IN PLACE IN FLOOR. SIZE TO PROVIDE 3/8" MINIMUM TO 1" MAXIMUM CLEARANCE BETWEEN PIPE AND SLEEVE.
2. FILL ANNULAR SPACE WITH FIRE STOPPING MATERIAL.
3. HUB END OF PIPE (SIZE INDICATED ON DRAWINGS).
4. PIPE THRU FLOOR SLAB.

NOTES:

1. THIS DETAIL IS SHOWN AS AN EXAMPLE OF THE WORK SCOPE REQUIRED FIRE STOPPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE U.L. LISTED FIRE RATED ASSEMBLY. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL FIRE RATED ASSEMBLIES.

1FS4.2

M HUB DRAIN

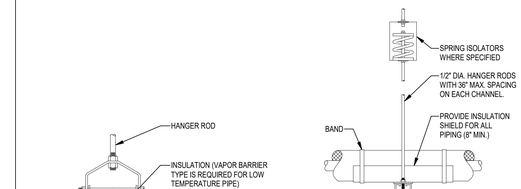


NOTES:

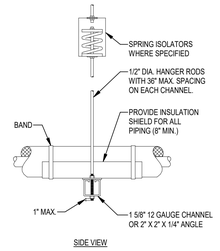
1. ACCESS DOOR SHALL BE NOMINAL 24"x24" UNLESS NOTED OTHERWISE.
2. LOCATE DOOR IN CEILING OR WALL TO ALLOW UNOBSTRUCTED ACCESS TO EQUIPMENT, DAMPERS, ETC. AND NOT IN CONFLICT WITH LIGHTS, DIFFUSERS, SPRINKLERS, ETC.
3. ACCESS PANELS LOCATED IN SECURE CEILINGS SHALL BE SECURITY TYPE.

1FD3.1

N EQUIPMENT ACCESS PANEL



ADJUSTABLE CLEVIS HANGER
TYPE 1 IN SPECIFICATIONS



SIDE VIEW

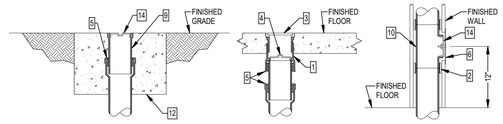
TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

NOTES:

1. SEE SPECIFICATIONS FOR SPACING OF HANGERS.
2. PROVIDE SPRING ISOLATORS FOR FIRST 3 HANGERS UP TO AND BEYOND EQUIPMENT CONNECTION AND/OR THROUGH OUT MECHANICAL ROOMS OR MEZZANINE AREAS.

1FS3.1

G TYPICAL PIPE HANGERS

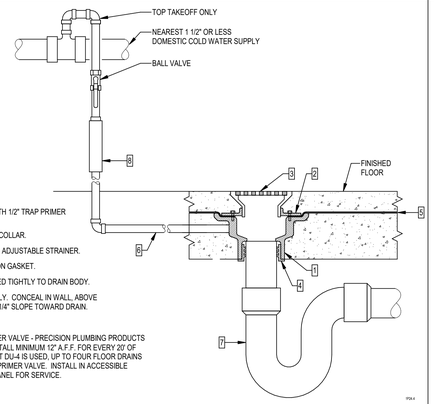


KEY NOTES: (THIS DETAIL ONLY)

1. CAST IRON 2-PIECE CLEANOUT BODY WITH ADJUSTABLE HEAD.
2. NO-HUB COUPLING (FOR ABOVE GROUND APPLICATION ONLY).
3. POLISHED NICKEL BRONZE SCORIATED TOP (PROVIDE CARPET MARKER FOR CARPETED FLOORS).
4. BRONZE TAPERED THREAD, RAISED HEAD CLEANOUT PLUG.
5. PUSH-ON NEOPRENE RUBBER COMPRESSION GASKET.
6. STAINLESS STEEL ROUND WALL ACCESS COVER.
7. COMBINATION WYE AND EIGHTH BEND FITTING.
8. TWO-WAY CLEANOUT FITTING
9. CAST IRON CLEANOUT FERRULE
10. CAST IRON CLEANOUT TEE.
11. 12" x 12" x 12" CONCRETE THRUST BLOCK.
12. 24" x 24" x 24" CONCRETE PAD FLUSH WITH GRADE.
13. LONG SWEEP ELBOW.
14. BRONZE TAPERED THREAD, RECESSED HEAD CLEANOUT PLUG.

1FT2

H CLEANOUTS



KEY NOTES: (THIS DETAIL ONLY)

1. CAST IRON FLOOR DRAIN BODY WITH 1/2" TRAP PRIMER TAP AND 3" OUTLET.
2. CAST IRON INVERTIBLE CLAMPING COLLAR.
3. POLISHED NICKEL BRONZE 2-PIECE ADJUSTABLE STRAINER.
4. PUSH-ON NEOPRENE COMPRESSION GASKET.
5. WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
6. 1/2" DOMESTIC COLD WATER SUPPLY. CONCEAL IN WALL, ABOVE CEILING OR BELOW FLOOR. PITCH 1/4" SLOPE TOWARD DRAIN.
7. 3" DEEP SEAL P-TRAP
8. PRESSURE ACTIVATED TRAP PRIMER VALVE - PRECISION PLUMBING PRODUCTS (P.P.P.) OR APPROVED EQUAL. INSTALL MINIMUM 12" A.F.F. FOR EVERY 20' OF PRIMER LINE. IF DISTRIBUTION UNIT DU-4 IS USED, UP TO FOUR FLOOR DRAINS MAY BE SERVED FROM ONE TRAP PRIMER VALVE. INSTALL IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL FOR SERVICE.

1FD4.4

J FLOOR DRAIN

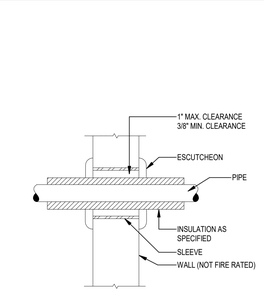
SEE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ROOF TYPE

NOTES:

1. FLASHING AND COUNTERFLASHING FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY ROOFING CONTRACTOR.
2. PAINT VENT TO MATCH ROOF.

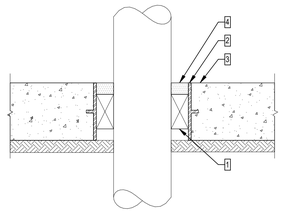
1FR5.1

K VENT THRU ROOF



1FP3.1

C PIPE PENETRATION OF NON-FIRE RATED WALL

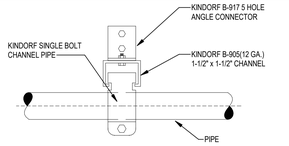


KEY NOTES: (THIS DETAIL ONLY)

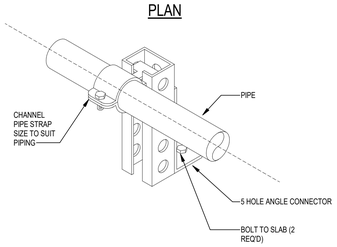
1. SEAL ANNULAR SPACE AROUND PIPE WITH MODULAR SLEEVE SEAL SYSTEM. MODEL SHALL BE SUITABLE FOR THIS APPLICATION.
2. SLEEVE OR CORE DRILL APPROPRIATE SIZE HOLE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
3. FLOOR SLAB ON GRADE.
4. COMPLETELY FILL SPACE WITH SEALANT SUITABLE FOR THIS APPLICATION.

1FS5.4

D SLAB ON GRADE PIPE PENETRATION

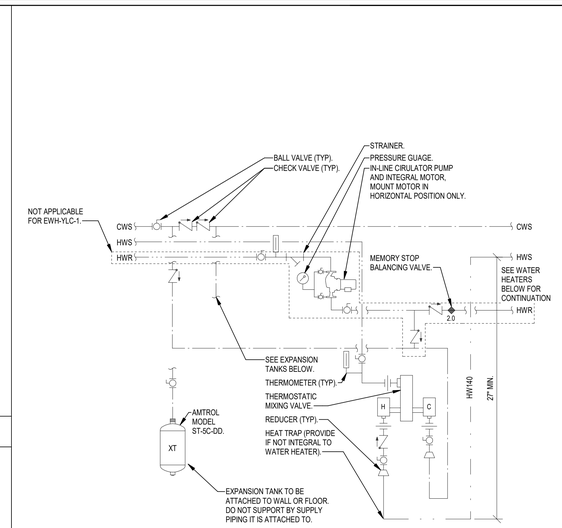


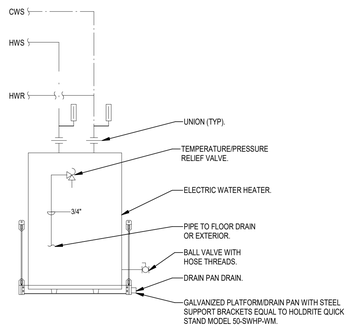
PLAN



1FP2.3

E WATER PIPE SUPPORT



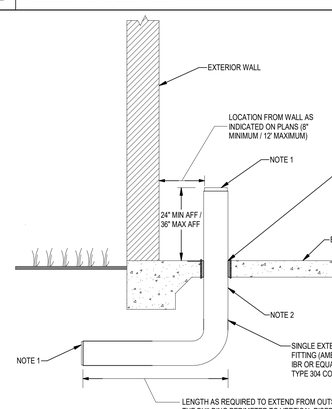


SHELF MOUNTED ELECTRIC WATER HEATER
(APPLIES TO EWH-YLC-1, EWH-YLC-2)

NOTES:

1. SEE FLOOR PLANS FOR PIPE SIZES.
2. COLD AND HOT WATER PIPE SIZES TO TMV SHALL BE SAME SIZE AS COLD WATER PIPE SIZE TO WATER HEATER.
3. PROVIDE 3-POLE CONTACTOR IN POWER SUPPLY TO SHUT OFF POWER BY MEANS OF AQUASTAT.
4. PROVIDE HEAT TRAPS ON COLD WATER INLET AND HOT WATER OUTLET OF WATER HEATER.
5. PIPE T&P RELIEF VALVE FULL SIZE TO FLOOR DRAIN.
6. PIPE DRAIN VALVE FULL SIZE TO FLOOR DRAIN.

A DOMESTIC HOT WATER SYSTEM

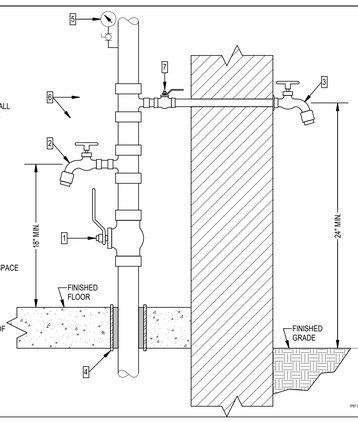


NOTES:

1. PROVIDE NPT CONNECTION FOR 2" PIPES. PROVIDE FLANGED OR GROOVED END CONNECTIONS (AS REQUIRED FOR APPLICATION) FOR PIPES SIZES GREATER THAN 2".
2. CUSTOMIZE HORIZONTAL AND VERTICAL LENGTHS OF IN-BUILDING RISER TO ACHIEVE REQUIRED DISTANCES FROM OUTSIDE BUILDING PERIMETER WALL TO THE INTENDED LOCATION WITHIN THE BUILDING AND DISTANCE ABOVE FLOOR. MAXIMUM OVERALL LENGTH OF IN-BUILDING RISER:
   * 1'9" FOR PIPE SIZES 2" - 3"
   * 2'0" FOR PIPE SIZES 4" - 12

1FP6

F SINGLE PIECE IN-BUILDING RISER



KEY NOTES: (THIS DETAIL ONLY)

1. MAIN DOMESTIC COLD WATER SHUTOFF VALVE (BALL VALVE AS SHOWN FOR 2" OR SMALLER PIPES; USE BUTTERFLY VALVE FOR 2 1/2" OR LARGER PIPES).
2. 3/4" HOSE BIBB WITH VACUUM BREAKER (INTERIOR APPLICATIONS). PROVIDE FREEZE PROTECTION FOR EXPOSED PIPING OR PIPING IN EXTERIOR WALLS OR VENTILATED ATTIC.
3. 3/4" SILL COCK WITH VACUUM BREAKER (EXTERIOR APPLICATIONS). PROVIDE FREEZE PROTECTION FOR EXPOSED PIPING OR PIPING IN EXTERIOR WALLS OR VENTILATED ATTIC. PROVIDE WALL HYDRANT WHERE INDICATED ON PLANS.
4. SLEEVE THRU FLOOR AND SEALANT IN ANNULAR SPACE BETWEEN PIPE AND SLEEVE - SEE DETAIL D/P5.1.
5. PRESSURE GAUGE
6. THIS DETAIL SHOWS A GENERAL ARRANGEMENT OF PIPING, SEE PLANS FOR SPECIFIC ARRANGEMENT.
7. PROVIDE SHUTOFF VALVE.

1FP7.5

B WATER SERVICE ENTRANCE

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Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

P5.1

Autodesk Docs://24179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center_MEP_Central_R24.rvt
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CEILING SUPPLY DIFFUSERS

SYMBOL	CFM	NECK SIZE	MINIMUM - MAXIMUM 1/2 SPACING	FACE DIMENSION	
				HARD CEILING	LAY-IN CEILING
	40-80	6"Ø	4' - 5'	12x12	24x24
	85-180	8"Ø	4' - 8'	12x12	24x24
	185-340	10"Ø	8' - 10'	24x24	24x24
	345-500	12"Ø	9' - 10'	24x24	24x24
	505-600	14"Ø	10' - 12'	24x24	24x24

NOTE:
1. RUNOUT DUCTS TO DIFFUSERS SHALL BE THE SAME SIZE AS THE INDICATED NECK SIZE.

CEILING RETURN OR EXHAUST REGISTERS & GRILLES

SYMBOL	CFM	GRILLE SIZE	RUNOUT DUCT (NOTE 2)
	0-95	8x8 (NOTE 1)	6x6
	100-195	10x10 (NOTE 1)	8x8
OR	200-295	12x12 (NOTE 1)	10x8
	300-595	18x18 (NOTE 1)	12x12
	600-695	22x22 (NOTE 1)	12x12
	700-795	24x24 (NOTE 1)	14x12
	800-1500	48x24 (NOTE 1)	18x14

NOTES:
1. USE 22x22 GRILLE SIZE FOR ALL LAY-IN CEILING APPLICATIONS. USE SIZE INDICATED FOR HARD CEILING APPLICATIONS.
2. WHERE DUCT CONNECTION IS SHOWN, RUNOUT DUCT SHALL BE SIZE SHOWN IN SCHEDULE U.N.O.
3. USE 18x18 GRILLE SIZE AND 12x12 RUNOUT DUCT FOR HARD CEILING APPLICATIONS WHERE SIZE OR AIRFLOW IS NOT INDICATED.
4. USE 12x12 RUN OUT DUCT FOR LAY-IN CEILING APPLICATIONS WHERE AIRFLOW IS NOT INDICATED.

SIDEWALL REGISTERS AND GRILLES

CFM	SUPPLY AIR		RETURN AIR OR EXHAUST AIR	
	REGISTER SIZE	RUNOUT DUCT	REGISTER SIZE	RUNOUT DUCT
0-95	8x6	8x6	8x6	8x6
100-195	10x6	10x6	10x6	10x6
200-295	12x6	12x6	18x6	18x6
300-395	16x6	16x6	24x6	24x6
400-495	18x8	18x8	30x8	30x8
500-595	18x10	18x10	30x10	30x10

PIPING AND FITTINGS

	CONDENSATE DRAIN PIPING FROM COOLING COIL
REF	REFRIGERANT PIPING (ONE LINE REPRESENTS BOTH LIQUID AND GAS LINES)
+9'-0"	ELEVATION ABOVE FINISHED FLOOR (TO CENTERLINE OF PIPE)
	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
	CAP
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	NEW PIPE

MISCELLANEOUS

	POINT INDICATED CONNECT TO CIVIL
	1 HOUR FIRE RATED WALL
	2 HOUR FIRE RATED WALL

VALVES

N.O. N.C.	BALL VALVE (WITH QUARTER TURN HANDLE)

MEASUREMENTS AND CONTROLS

T	THERMOSTAT/TEMPERATURE SENSOR
H	HUMIDITY SENSOR
CO2	CARBON DIOXIDE SENSOR
SP	STATIC PRESSURE SENSOR
DP	DIFFERENTIAL PRESSURE SENSOR
AFS	AIRFLOW MONITORING STATION

AIR DISTRIBUTION

Ax8	RECTANGULAR SHEET METAL DUCT
C0	ROUND SHEET METAL DUCT
Ax8	DOUBLE WALL SHEET METAL DUCT
	FLEXIBLE RUNOUT DUCT
	ROUND OR RECTANGULAR TAKE-OFF FITTING WITH BALANCING DAMPER - SEE DETAIL AM5.1
	SUPPLY AIR DUCTWORK SECTION
	RETURN AIR DUCTWORK SECTION
	EXHAUST AIR DUCTWORK SECTION
	AIR BALANCING DAMPER (MANUAL)
MD	CONTROL DAMPER (MOTORIZED)
BDD	BACKDRAFT DAMPER
FD	FIRE DAMPER - SEE DETAIL AM5.2
	DUCTWORK FLEXIBLE CONNECTION
AP	DUCTWORK ACCESS PANEL
	DUCT ELBOW WITH SINGLE THICKNESS TURNING VANES
	SIDEWALL REGISTER AND AIR FLOW (CFM)(SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE)
CFM	SQUARE CEILING SA DIFFUSER AND AIR FLOW (CFM)(SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE) SHADED REGION INDICATED SECTORIZING BAFFLE(S) SEE DETAIL AM5.1
CFM	RECTANGULAR CEILING RA REGISTER AND AIR FLOW (CFM)(SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE) WHERE CFM IS NOT INDICATED, PROVIDE STANDARD SIZE FOR CEILING TYPE INDICATED IN SCHEDULE. - SEE DETAIL CM5.1
CFM	RECTANGULAR CEILING EA REGISTER AND AIR FLOW (CFM)(SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE) - SEE DETAIL CM5.1
AP	ACCESS PANEL IN INACCESSIBLE CEILING (24x24, UNO)
	NEW DUCT
	DUCT MOUNTED SMOKE DETECTOR (PROVIDED AND INSTALLED BY FIRE ALARM CONTRACTOR)
	DOOR UNDERCUT (3/4", UNO)

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. ASHRAE
   a. STANDARD 15 — SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019
   b. STANDARD 55 — THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017
   c. STANDARD 62.1 — VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019
   d. STANDARD 90.1 — ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
   e. STANDARD 170 — VENTILATION OF HEALTH CARE FACILITIES - 2017
2. ASME
   a. ASME A17.1 — SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019
3. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).
4. NATIONAL FIRE CODES
   a. NFPA 1 — FIRE CODE - 2021 (FLORIDA EDITION)
   b. NFPA 13 — STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM - 2019
   c. NFPA 25 — STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS - 2020
   d. NFPA 70 — NATIONAL ELECTRICAL CODE - 2020
   e. NFPA 72 — NATIONAL FIRE ALARM AND SIGNALING CODE - 2019
   f. NFPA 90A — STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS - 2021
   g. NFPA 90B — STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS - 2021
   h. NFPA 91 — STANDARD FOR THE INSTALLATION OF BLOWER AND EXHAUST SYSTEMS - 2020
   i. NFPA 101 — LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
5. FLORIDA BUILDING CODE, 2023 8TH EDITION
   a. BUILDING CODE
   b. ENERGY CONSERVATION CODE
   c. MECHANICAL CODE
   d. PLUMBING CODE
   e. ACCESSIBILITY CODE
6. FLORIDA STATUTES
   a. CHAPTER 471 — ENGINEERING
   b. CHAPTER 533.80 — BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
7. FLORIDA ADMINISTRATIVE CODE
   a. CHAPTER 9B-7 — FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS
   b. CHAPTER 61C-5 — FLORIDA ELEVATOR SAFETY CODE
   c. CHAPTER 61G15-34 — RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
   d. CHAPTER 69A-3 — FIRE PREVENTION - GENERAL PROVISIONS
   e. CHAPTER 69A-47 — UNIFORM FIRE SAFETY STANDARDS FOR ELEVATORS
   f. CHAPTER 69A-60 — THE FLORIDA FIRE PREVENTION CODE

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.

THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

COMMISSIONING NOTES

1. THE BUILDING MECHANICAL SYSTEMS ARE EXEMPT FROM COMMISSIONING REQUIREMENTS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE – ENERGY CONSERVATION, SECTION C408 "SYSTEMS COMMISSIONING": THE TOTAL MECHANICAL EQUIPMENT CAPACITY IS LESS THAN 480 MBH COOLING CAPACITY AND 600 MBH HEATING CAPACITY.

HVAC NOTES

1. INSTALL DUCTWORK, PIPING, ETC. AS HIGH AS POSSIBLE ABOVE CEILING WHILE MAINTAINING ACCESSIBILITY FOR EQUIPMENT AND DEVICES AS APPROPRIATE.
2. COORDINATE LOCATION OF ALL EQUIPMENT, DUCTWORK AND PIPING INSTALLATIONS WITH ELECTRICAL TO PROVIDE THE REQUIRED CLEARANCES AROUND ALL ELECTRICAL PANELS, SWITCHGEAR, ETC.
3. INSTALLATION OF EQUIPMENT, DUCTWORK AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR REMOVAL OF FILTERS AND FOR MAINTENANCE.
4. DUCT SIZES GIVEN ARE SHEET METAL SIZES.
5. COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION EQUIPMENT WITH THE CEILING AND THE LIGHTING LAYOUT.
6. THE RETURN AIR FROM INDIVIDUAL ROOMS IS THRU AN ABOVE-CEILING RETURN AIR PLENUM.
7. THE CEILING DIFFUSERS SHALL BE 4-WAY THROW UNLESS OTHERWISE NOTED.
8. PROVIDE NEW AIR FILTERS IN EACH UNIT REQUIRING FILTERS WHEN THE PROJECT IS READY FOR TEST AND BALANCE. DO NOT OPERATE UNITS WITHOUT FILTERS DURING CONSTRUCTION. REPLACE FILTERS DURING CONSTRUCTION ACCORDING TO FILTER MANUFACTURER'S RECOMMENDATIONS. SEAL ALL OPEN ENDS OF DUCT WORK DURING CONSTRUCTION.
9. WHEREVER THE DEPTH OF THE TRUNK DUCT IS LESS THAN THE ROUND RUNOUT DUCT DIAMETER, PROVIDE TRANSITION FITTING OF EQUIVALENT AREA TO THE RUNOUT DUCT.
10. WHERE ROUND DUCT IS INDICATED ON PLANS, USE SPIRAL WOUND DUCTWORK. "SNAPLOCK" DUCTWORK IS NOT ACCEPTABLE.
11. PROVIDE 3 DIAMETERS OF STRAIGHT DUCT AT INLET TO AIR TERMINAL UNITS. DUCT SIZE SHALL BE SAME AS BOX INLET. IF INLET DUCT LENGTH EXCEEDS 5 FEET, INCREASE INLET DUCT SIZE BY 4" UP TO 3 FEET FROM BOX INLET.
12. PROVIDE FLEXIBLE DUCT CONNECTIONS AT EACH EQUIPMENT CONNECTION.
13. OUTSIDE AIR INTAKES SHALL NOT BE LOCATED ANY CLOSER THAN 10 FEET FROM ANY EXHAUST OUTLET OR PLUMBING VENT TERMINAL.
14. PROVIDE FIRE DAMPER AT EVERY DUCT PENETRATION OF FIRE RATED CONSTRUCTION, WHETHER SHOWN ON THE DRAWINGS OR NOT.
15. INSTALL DUCT MOUNTED SMOKE DETECTOR (FURNISHED BY DIV. 29) IN SUPPLY TRUNK DUCT BEFORE ANY TAKE-OFFS FOR AIR HANDLING UNITS WITH SUPPLY AIR CAPACITY GREATER THAN 2000 CFM AND WHERE INDICATED ON PLANS.
16. WHERE FIRE DAMPERS ARE REQUIRED, PROVIDE DUCT ACCESS DOORS TO ALLOW RE-LINKING OF DAMPER FUSIBLE LINKS. PROVIDE CEILING/WALL ACCESS PANELS WHERE INSTALLED IN INACCESSIBLE LOCATIONS; ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL.
17. WHERE DUCT MOUNTED SMOKE DETECTORS ARE REQUIRED, PROVIDE DUCT ACCESS DOORS TO ALLOW VIEWING AND SERVICING. PROVIDE CEILING/WALL ACCESS PANELS WHERE INSTALLED IN INACCESSIBLE LOCATIONS; ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL.
18. WHERE SMOKE DAMPERS OR COMBINATION FIRE/SMOKE DAMPERS ARE REQUIRED, PROVIDE DUCT ACCESS DOORS TO ALLOW RE-LINKING OF DAMPER FUSIBLE LINKS AND TO ALLOW VIEWING AND REMOVAL OF SMOKE DETECTORS. PROVIDE CEILING/WALL ACCESS PANELS WHERE INSTALLED IN INACCESSIBLE LOCATIONS; ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL.
19. IT IS RECOMMENDED THAT DUCTWORK BE FABRICATED FROM FIELD MEASUREMENTS TAKEN AS THE BUILDING STRUCTURE AND SPACE COMPETING SYSTEMS ARE PROGRESSIVELY INSTALLED. THE DUCTWORK AS SHOWN ON THE CONSTRUCTION DOCUMENTS IS DIAGRAMMATIC AND DOES NOT NECESSARILY INCLUDE ALL OFFSETS AND TRANSITIONS REQUIRED TO AVOID THESE INTERFERENCES. BEFORE FABRICATING ANY DUCTWORK, CHECK THE PHYSICAL CONDITIONS AT THE JOB SITE AND MAKE CHANGES IN CROSS SECTIONS, ROUTING, OFFSETS AND SIMILAR ITEMS WHETHER SPECIFICALLY INDICATED OR NOT. VERIFY THAT SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING DUCTWORK, PIPING, LIGHT FIXTURES, CEILING SYSTEMS AND TO PROVIDE EQUIPMENT SERVICE. COSTS REQUIRED TO CHANGE DUCTWORK TO FIT THE SPACE AVAILABLE AND AVOID INTERFERENCES CAUSED BY SPACE COMPETING SYSTEMS SHALL BE BORNE BY THE CONTRACTOR. NO ADDITIONAL REMUNERATION WILL BE PAID BY THE OWNER.
20. APPLY EXTERNAL INSULATION TO SINGLE WALL SUPPLY DUCTS, RETURN DUCTS AND OUTSIDE AIR DUCTS PER SPECIFICATIONS. DOUBLE WALL DUCTS AND DUCTS INDICATED ON PLANS TO HAVE INTERNAL DUCT LINER SHALL NOT RECEIVE EXTERNAL INSULATION.
21. PROVIDE VOLUME CONTROL DAMPERS IN SIDE TAKE-OFF FITTINGS TO SUPPLY AIR DIFFUSERS AND EXHAUST AIR AND RETURN AIR GRILLES AND AT EACH DUCT BRANCH SERVING TWO OR MORE AIR TERMINALS, WHETHER SHOWN ON THE DRAWINGS OR NOT.
22. MINIMUM PIPE SIZE FOR COOLING COIL CONDENSATE SHALL BE 3/4". REFER TO SCHEDULE FOR RUNOUT PIPE SIZE TO INDIVIDUAL EQUIPMENT.
23. SECTIONS OF PIPE STORED ON SITE OR PLACED IN TRENCHES SHALL HAVE EACH OPEN END COVERED AT ALL TIMES EXCEPT WHILE MAKING CONNECTIONS. IF DEBRIS IS FOUND INSIDE PIPE, IT SHALL BE COMPLETELY REMOVED PRIOR TO ASSEMBLY.
24. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE, DAMPER OR OTHER DEVICE REQUIRING SERVICE IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
25. COORDINATE LOUVER AND DEVICE LOCATIONS WITH WALL STRUCTURAL REINFORCEMENT. SEE STRUCTURAL DRAWINGS FOR LOCATION OF LINTELS, BOND BEAMS AND REINFORCING.
26. COORDINATE ALL DUCT TEST WITNESSING WITH LOCAL MECHANICAL INSPECTOR.
27. PRIOR TO FINAL INSPECTION, PROVIDE CERTIFIED TEST & BALANCE REPORT AND OPERATIONS & MAINTENANCE MANUALS TO THE OWNER.
28. PROVIDE DUCT ACCESS DOOR AT EACH FLOW MEASURING STATION.
29. DUCT CONSTRUCTION, INCLUDING SHEET METAL THICKNESSES, SEAM AND JOINT CONSTRUCTION, REINFORCEMENTS, AND HANGERS AND SUPPORTS, SHALL COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE DUCT ".

DELEGATED DESIGN CALCULATION REQUIREMENTS

1. THESE MECHANICAL SYSTEM ENGINEERING DOCUMENTS REPRESENT THE DESIGN INTENT FOR SUPPORTING AND SECURING THE ROOF-MOUNTED HOAS AND CU BASED ON DESIGN CRITERIA BELOW. THE DELEGATED ENGINEER IS RESPONSIBLE FOR PROVIDING A COMPLETE DESIGN. APPROVED BY THE AUTHORITY HAVING JURISDICTION, TO SUPPORT AND SECURE THE ROOF-MOUNTED HOAS AND CU WITHOUT OBSTRUCTING REQUIRED SERVICE CLEARANCES. 2
2. DESIGN CRITERIA:
   WIND SPEED: 130 MPH.
   RISK CATEGORY: III.
   WEIGHT: PER APPROVED SUBMITTALS AND SHOP DRAWINGS.
   DEFLECTION LIMITS: PER MANUFACTURER'S REQUIREMENTS IN APPROVED SUBMITTALS AND SHOP DRAWINGS.
3. DELEGATED ENGINEER SHALL PROVIDE SIGNED AND SEALED DATA TO THE ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION INCLUDING THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO:
   1). DETAIL FABRICATION AND ASSEMBLY OF SUPPORT STRUCTURE.
   2). DESIGN CALCULATIONS FOR STATIC AND DYNAMIC LOADING DUE TO EQUIPMENT WEIGHT AND OPERATION AND WIND FORCES REQUIRED TO SELECT WIND RESTRAINT.
   3.). SECUREMENT DETAILS WITH ANCHORAGES AND ATTACHMENTS TO STRUCTURE AND TO SUPPORTED EQUIPMENT.

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS.
2. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES.
6. WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7. ERECT AND MAINTAIN REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS, PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8. COORDINATE AND SEQUENCE DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EQUIPMENT AND MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
16. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
17. ROOF MOUNTED EQUIPMENT SHALL BE SECURED TO STRUCTURE TO RESIST A 130 MPH WIND LOAD.
18. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
19. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
20. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
21. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
22. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	HP	HORSEPOWER
AHAP	AS HIGH AS POSSIBLE	IN	INCHES
AHU	AIR HANDLING UNIT	IU	INDOOR UNIT
BD	BALANCING DAMPER	MCA	MINIMUM CIRCUIT AMPACITY
BDD	BACKDRAFT DAMPER	MOCP	MAXIMUM OVERLOAD PROTECTION
BHP	BRAKE HORSEPOWER	N/A	NOT APPLICABLE
BOD	BOTTOM OF DUCT	N.C.	NORMALLY CLOSED
BOP	BOTTOM OF PIPE	N.O.	NORMALLY OPEN
BS	BRANCH SELECTOR	OA	OUTSIDE AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	RA	RETURN AIR
C	CONDENSATE	RAG	RETURN AIR GRILLE
CFM	CUBIC FEET PER MINUTE	REF	REFRIGERANT
CU	CONDENSING UNIT	RPM	REVOLUTIONS PER MINUTE
DG	DOOR GRILLE (24"x16", UNO)	RTU	ROOF TOP UNIT
DN	DOWN	SA	SUPPLY AIR
DSSI	DUCTLESS SPLIT SYSTEM INDOOR UNIT	SMS	SHEET METAL SIZE
DSSO	DUCTLESS SPLIT SYSTEM OUTDOOR UNIT	SP	STATIC PRESSURE
EA	EXHAUST AIR	SQ.FT	SQUARE FEET
EAG	EXHAUST AIR GRILLE	TAG	TRANSFER AIR GRILLE
EF	EXHAUST FAN	TAS	TRANSFER AIR SLEEVE
F	FEET	TOD	TOP OF DUCT
°Fdb	DEGREES FAHRENHEIT DRY BULB	TYP	TYPICAL
°Fwb	DEGREES FAHRENHEIT WET BULB	UC	DOOR UNDERCUT (3/4", UNO)
FD	FIRE DAMPER	UNO	UNLESS NOTED OTHERWISE
FPM	FEET PER MINUTE	V	VALVE
FSD	COMBINATION FIRE/SMOKE DAMPER	VFD	VARIABLE FREQUENCY DRIVE
HOAS	HIGH PERCENTAGE OUTSIDE AIR SYSTEM	WG	WATER GAUGE

DRAWING INDEX

M0.1	GENERAL NOTES, LEGENDS & SCHEDULES
M1.5	BLACKBURN-HUNT BUILDING
M1.6	BLACKBURN-HUNT BUILDING - PIPING
M1.7A	BLACKBURN-HUNT BUILDING - 2ND FLOOR PLAN - ADD ALTERNATE
M1.8	BLACKBURN-HUNT BUILDING - ROOF PLAN
M4.1	SCHEDULES
M4.2	SCHEDULES
M5.1	DETAILS
M5.2	DETAILS

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Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date
2	RESPONSE TO RFI #14	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

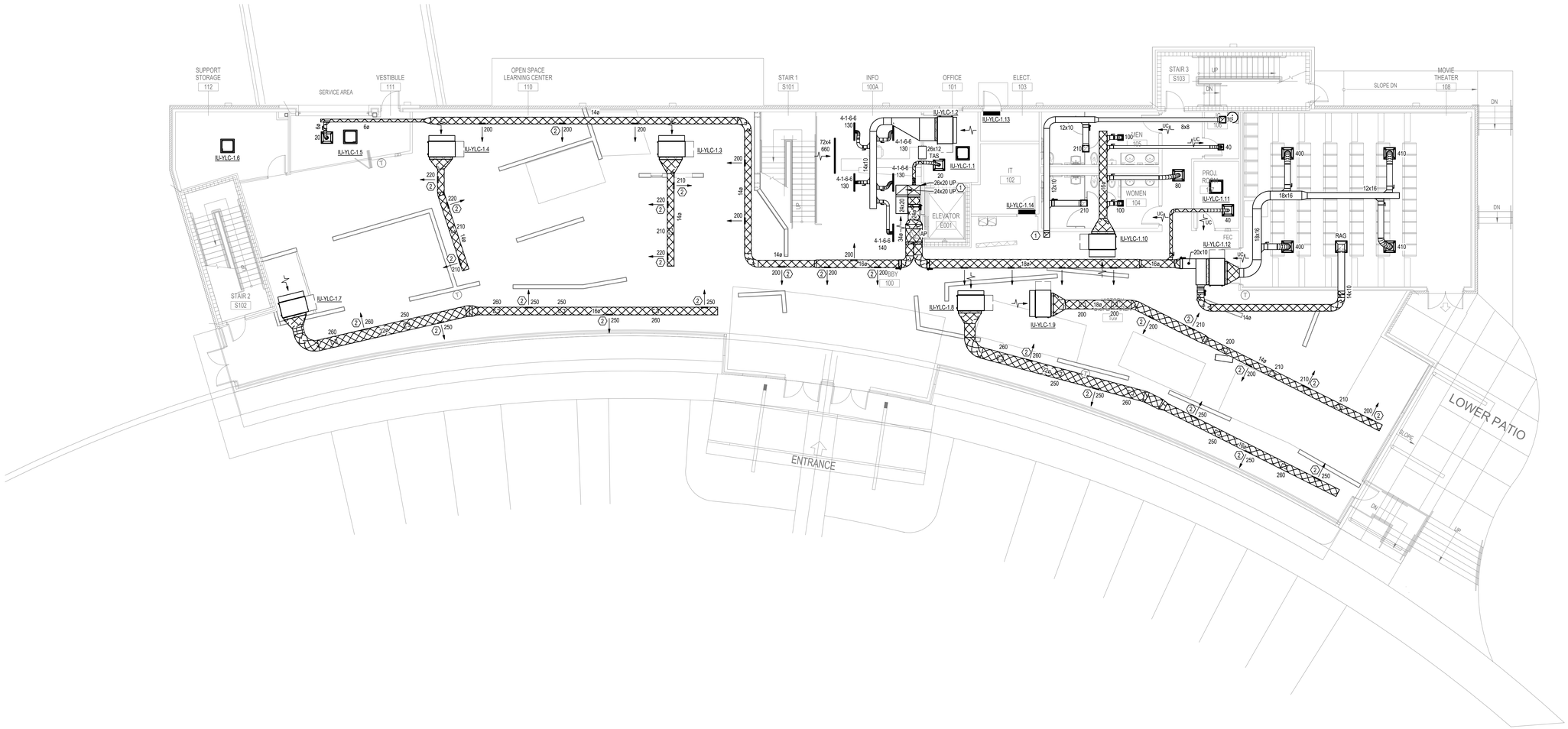
SHEET TITLE
GENERAL NOTES, LEGENDS & SCHEDULES

M0.1

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
9/5/2025 12:33:31 PM

KEYED NOTES:

1. DUCTWORK TO/FROM SECOND FLOOR. SEE M1.2
2. CENTER DEVICE AT 45 DEGREES BELOW DUCT HORIZONTAL.



North 1 FIRST FLOOR PLAN

1/8" = 1'-0"

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50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 1ST FLOOR PLAN

M1.1

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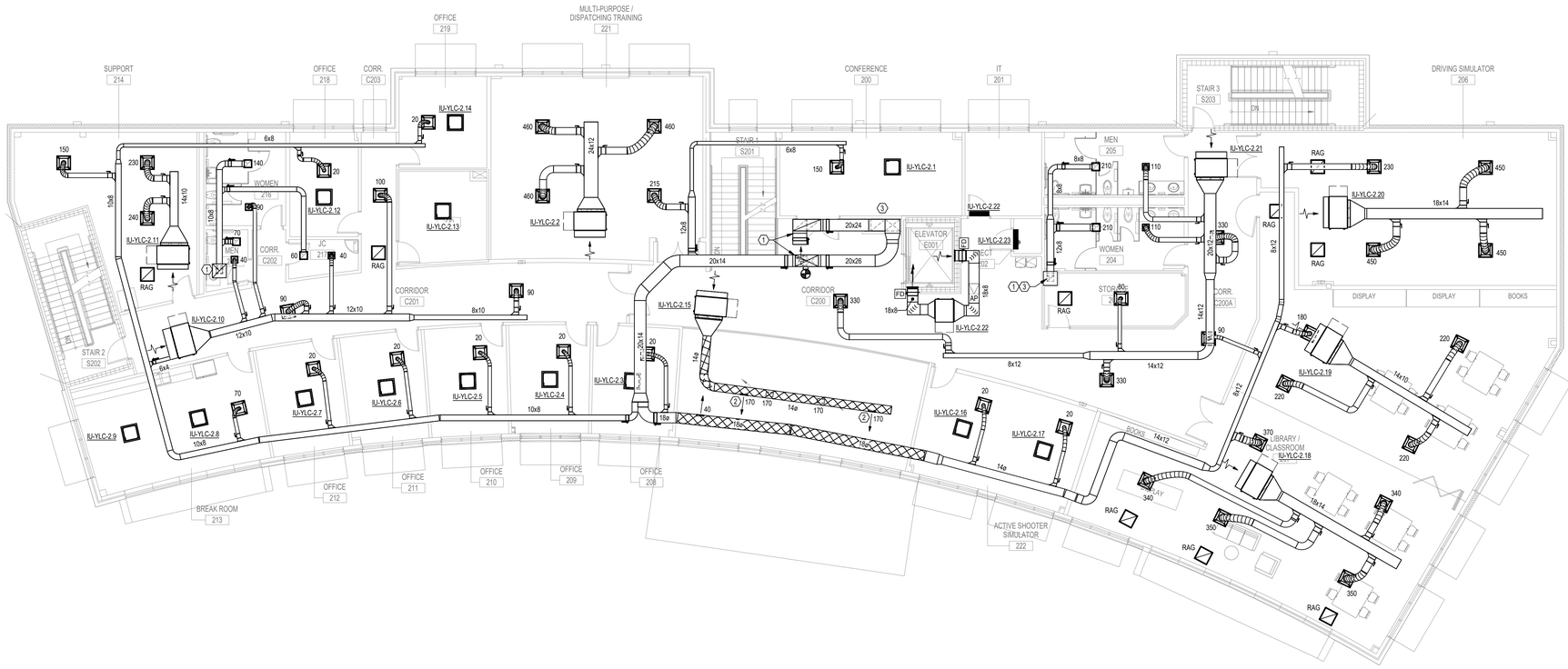
KEYED NOTES:

1. DUCTWORK TO/FROM ROOF. SEE 1/M1.8
2. CENTER DEVICE AT 45 DEGREES BELOW DUCT HORIZONTAL.
3. DUCTWORK TO/FROM FIRST FLOOR. SEE M1.1



North 1 SECOND FLOOR PLAN

1/8" = 1'-0"

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100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 2ND FLOOR PLAN

M1.2

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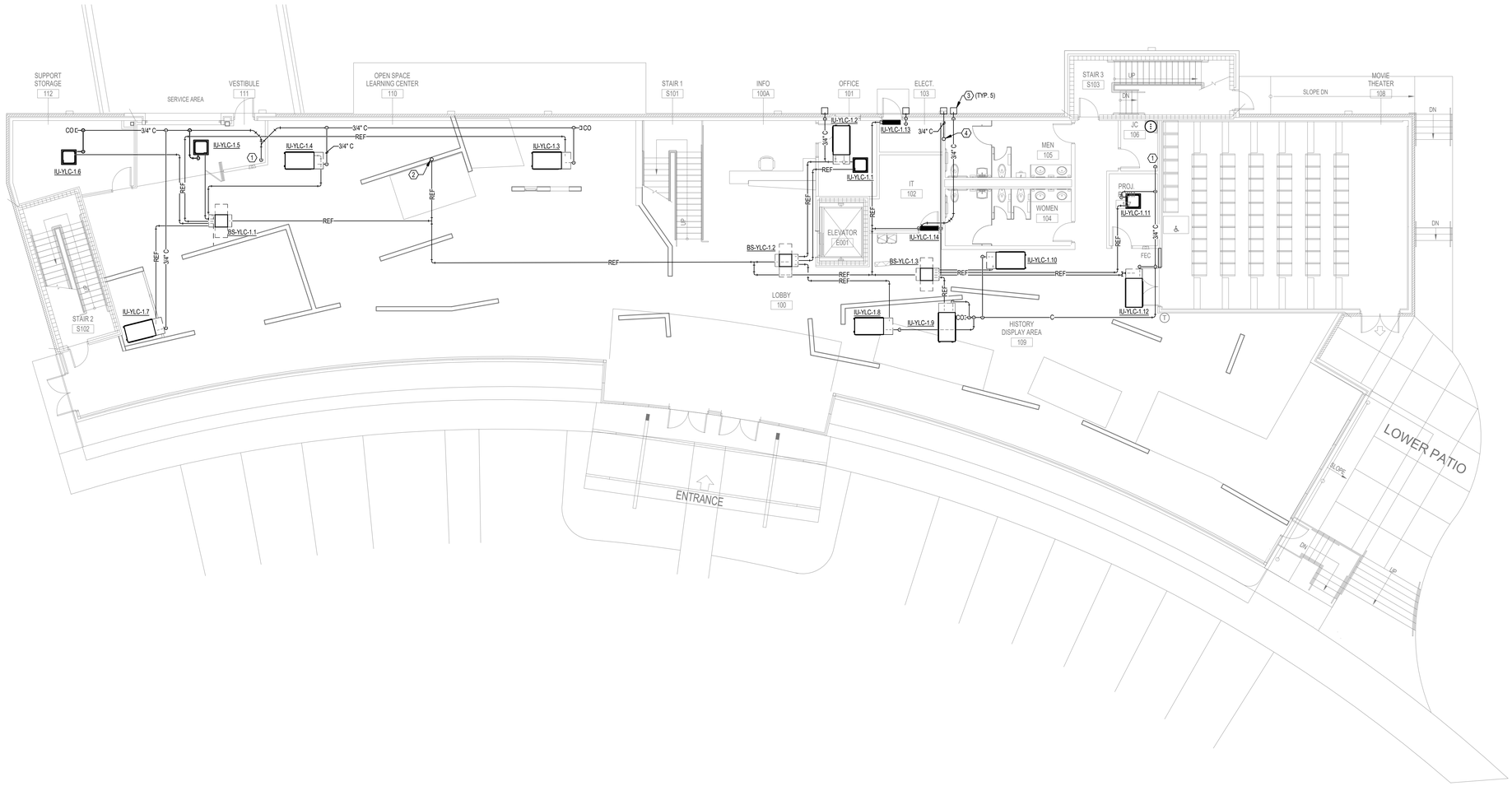
KEYED NOTES:

1. ROUTE CONDENSATE PIPING DOWN TO FLOOR SINK IN THIS VICINITY. SEE PLUMBING DRAWINGS.
2. REFRIGERANT PIPING FROM ABOVE. SEE M1.4 FOR CONTINUATION.
3. ROUTE CONDENSATE PIPING DOWN INSIDE WALL TO 12" AFF AND TO BUILDING EXTERIOR AS INDICATED.
4. CONDENSATE FROM ABOVE. SEE M1.4 FOR CONTINUATION.



North 1 FIRST FLOOR PLAN-PIPING

1/8" = 1'-0"

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

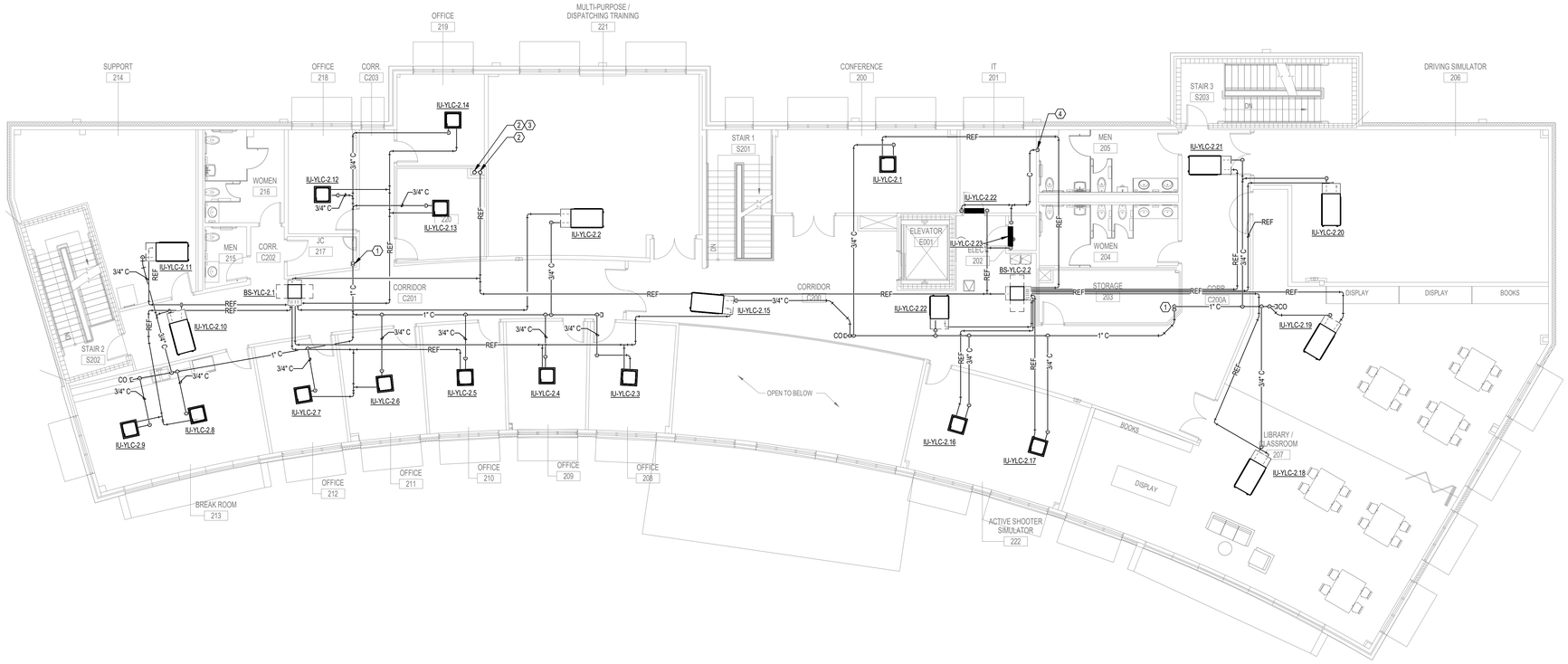
YOUTH LEARNING CENTER - 1ST FLOOR PLAN

M1.3

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
7/16/2025 5:54:08 PM

KEYED NOTES:

1. ROUTE CONDENSATE PIPING DOWN TO FLOOR SINK IN THIS VICINITY. SEE PLUMBING DRAWINGS.
2. REFRIGERANT PIPING FROM ABOVE. SEE M1.8 FOR CONTINUATION.
3. REFRIGERANT PIPING TO BELOW. SEE M1.3 FOR CONTINUATION.
4. CONDENSATE PIPING TO BELOW. SEE M1.7 FOR CONTINUATION.



North 1 SECOND FLOOR PLAN-PIPING
1/8" = 1'-0"

H2E ENGINEERING
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PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No. 24179

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Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

Clemons,Rutherford, & Associates, Inc.

Architects
Planners
Interior Designers
Construction Managers

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

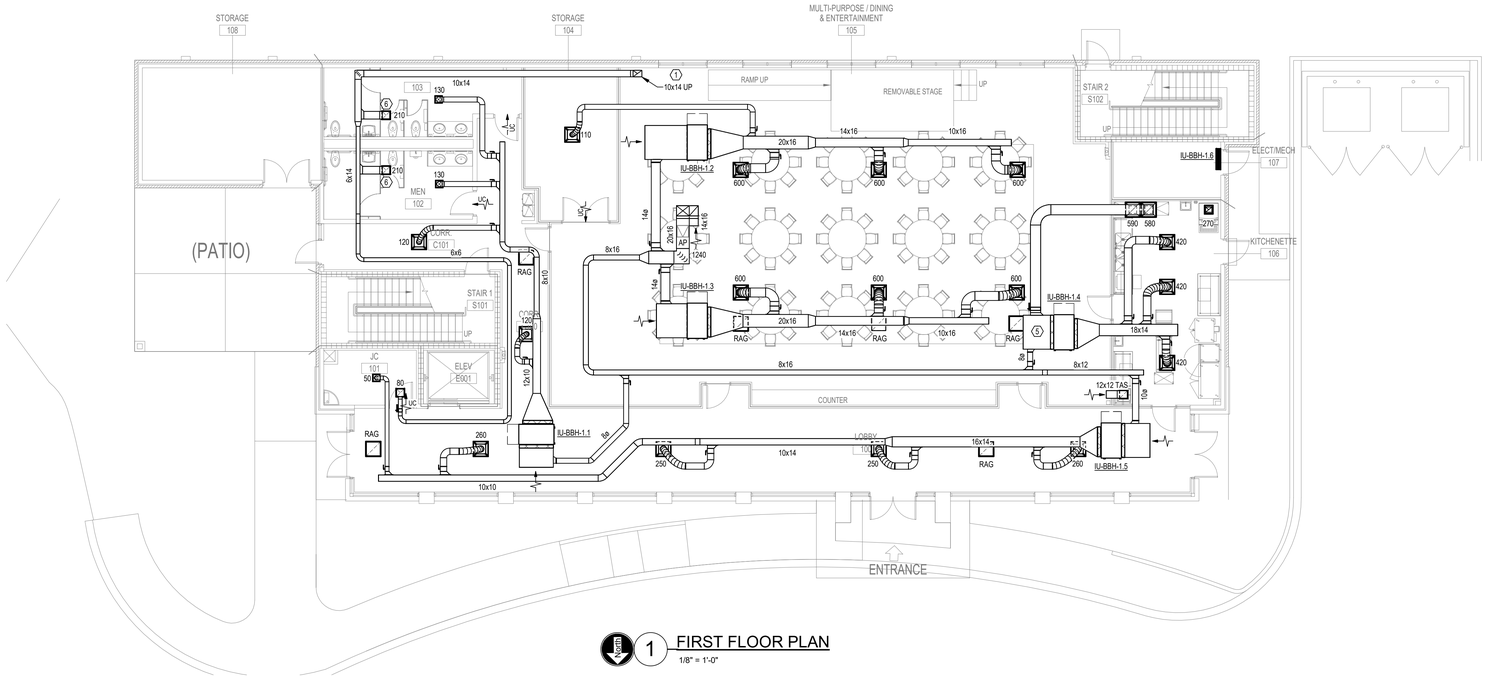
SHEET TITLE
YOUTH LEARNING CENTER - 2ND FLOOR PLAN

M1.4

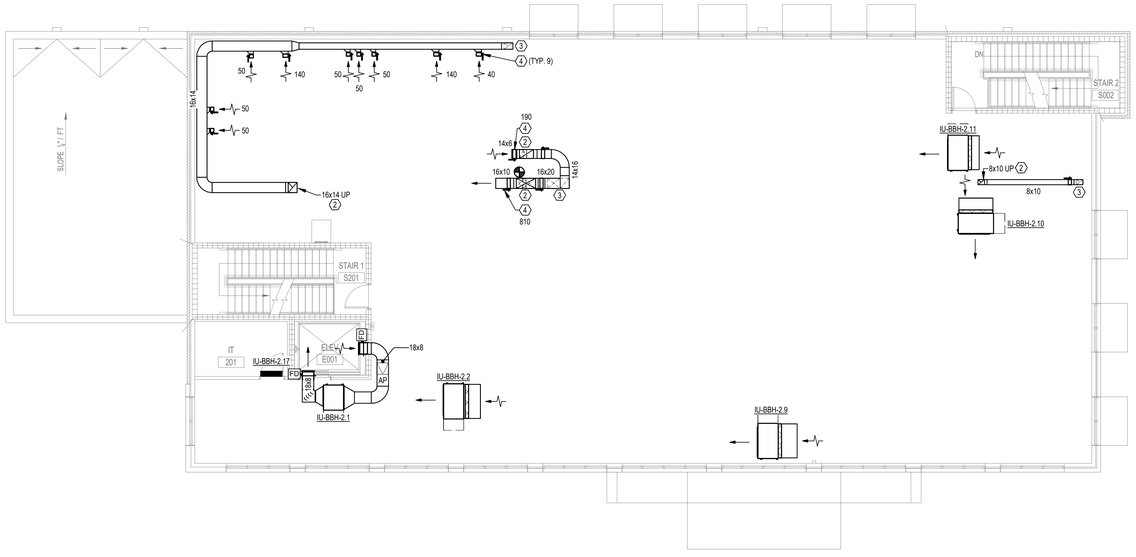
Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center_NBIP Central_R24.rvt
7/15/2025 5:54:09 PM

KEYED NOTES:

1. DUCTWORK TO/FROM SECOND FLOOR. SEE 2/M1.5.
2. DUCTWORK TO/FROM ROOF. SEE 2/M1.8.
3. DUCTWORK FROM FIRST FLOOR. SEE 1/M1.5.
4. BALANCE TO INDICATED CFM.
5. PROVIDE FULLY ENCLOSED RETURN PLENUM. CONNECT DUCTWORK TO PLENUM AS INDICATED.
6. PROVIDE AIR DEVICE WITH OPPOSED BLADE DAMPER.



1 FIRST FLOOR PLAN
1/8" = 1'-0"



2 SECOND FLOOR PLAN
1/8" = 1'-0"

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

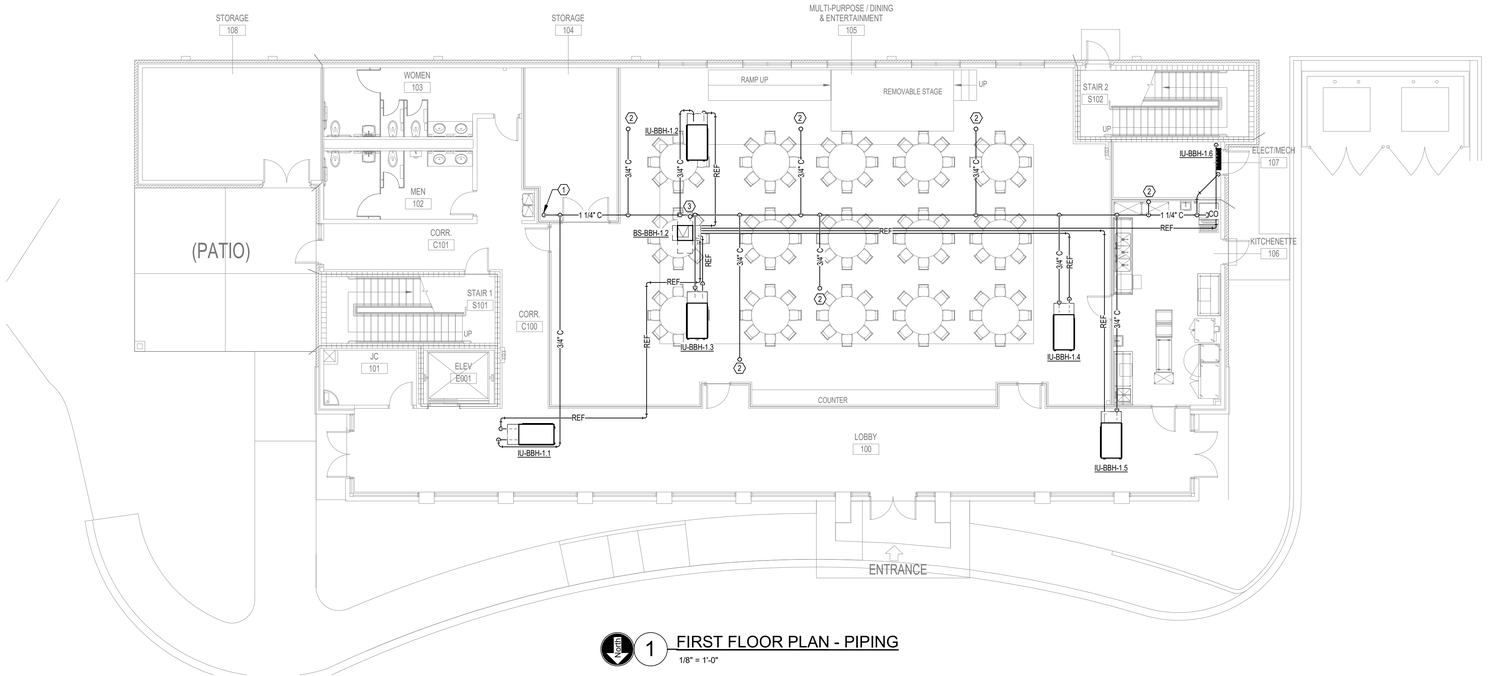
SHEET TITLE
BLACKBURN-HUNT BUILDING

M1.5

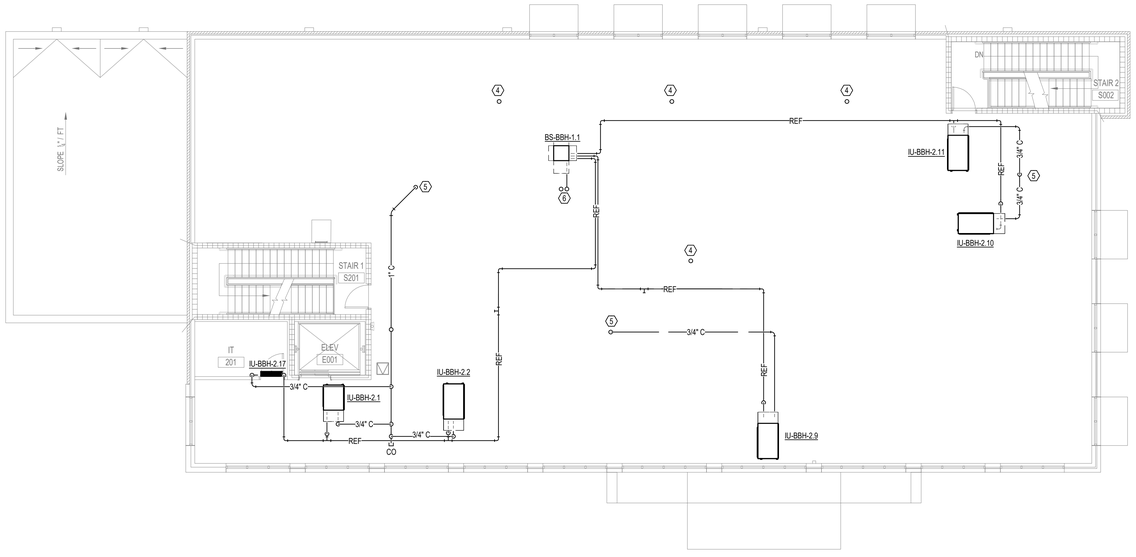
Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
7/16/2025 4:44:13 PM

KEYED NOTES:

1. ROUTE CONDENSATE PIPING DOWN TO FLOOR SINK IN THIS VICINITY. SEE PLUMBING DRAWINGS.
2. CONDENSATE PIPING FROM ABOVE. SEE 2/M1.6.
3. REFRIGERANT PIPING TO/FROM FLOOR ABOVE. SEE 2/M1.6 FOR CONTINUATION.
4. STUB UP 3/4" CONDENSATE PIPING TO 6" AFF. CAP PIPING FOR FUTURE.
5. CONDENSATE PIPING TO BELOW. SEE 1/M1.6.
6. REFRIGERANT PIPING TO/FROM ROOF. SEE M1.8 FOR CONTINUATION.



1 FIRST FLOOR PLAN - PIPING
1/8" = 1'-0"



2 SECOND FLOOR PLAN - PIPING
1/8" = 1'-0"

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Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BUILDING - PIPING

M1.6

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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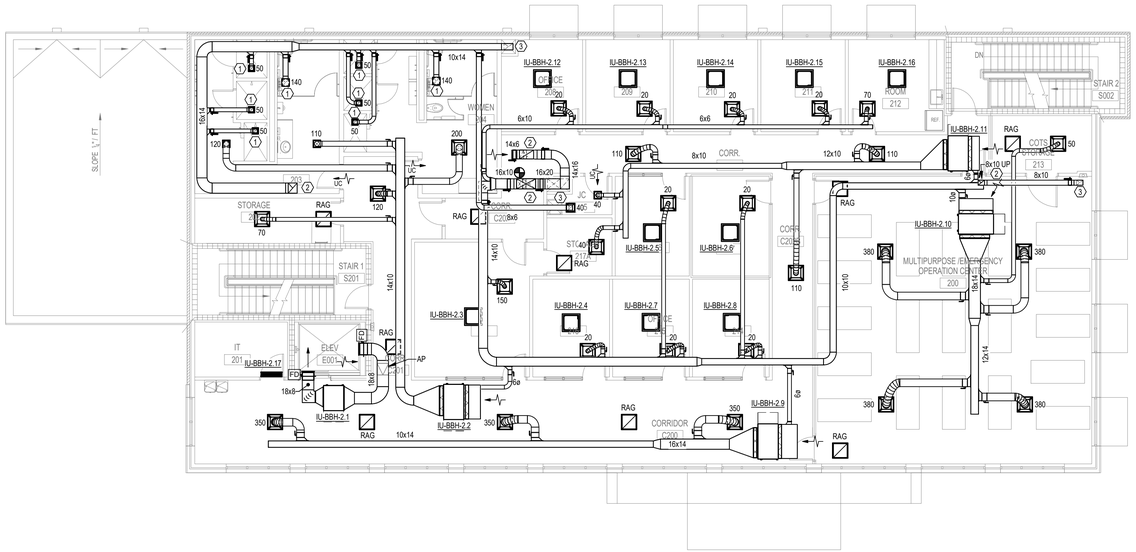
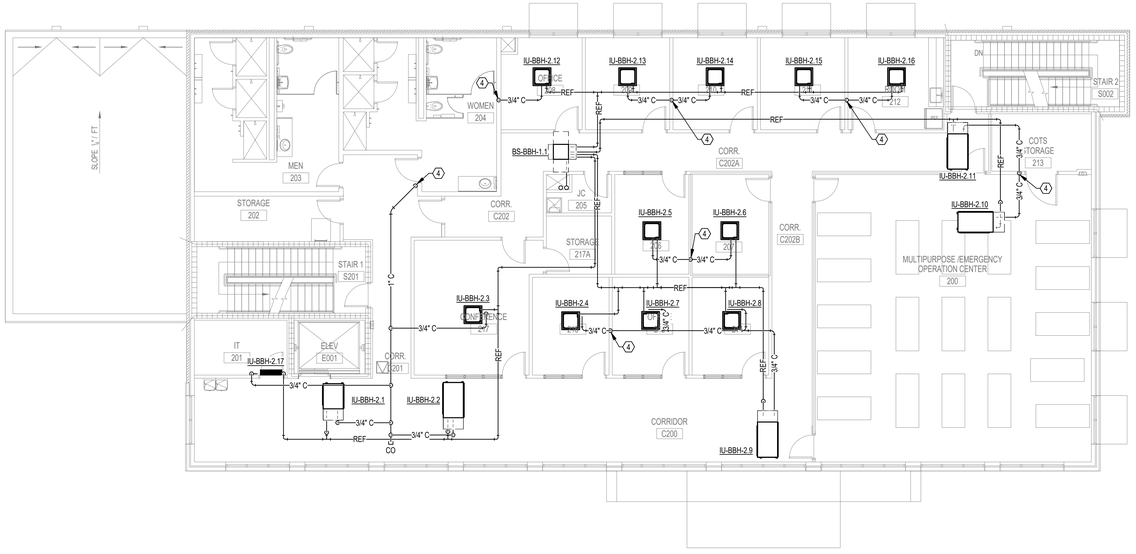
KEYED NOTES:

1. PROVIDE AIR DEVICE WITH OPPOSED BLADE DAMPER.
2. DUCTWORK TO/FROM SECOND FLOOR. SEE 2/M1.8 FOR CONTINUATION.
3. DUCTWORK TO/FROM FIRST FLOOR. SEE 1/M1.8 FOR CONTINUATION.
4. ROUTE CONDENSATE PIPING TO FLOOR BELOW. SEE 1/M1.8 FOR CONTINUATION.



1 SECOND FLOOR PLAN - ADD ALTERNATE
1/8" = 1'-0"



2 SECOND FLOOR PLAN - ADD ALTERNATE - PIPING
1/8" = 1'-0"

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

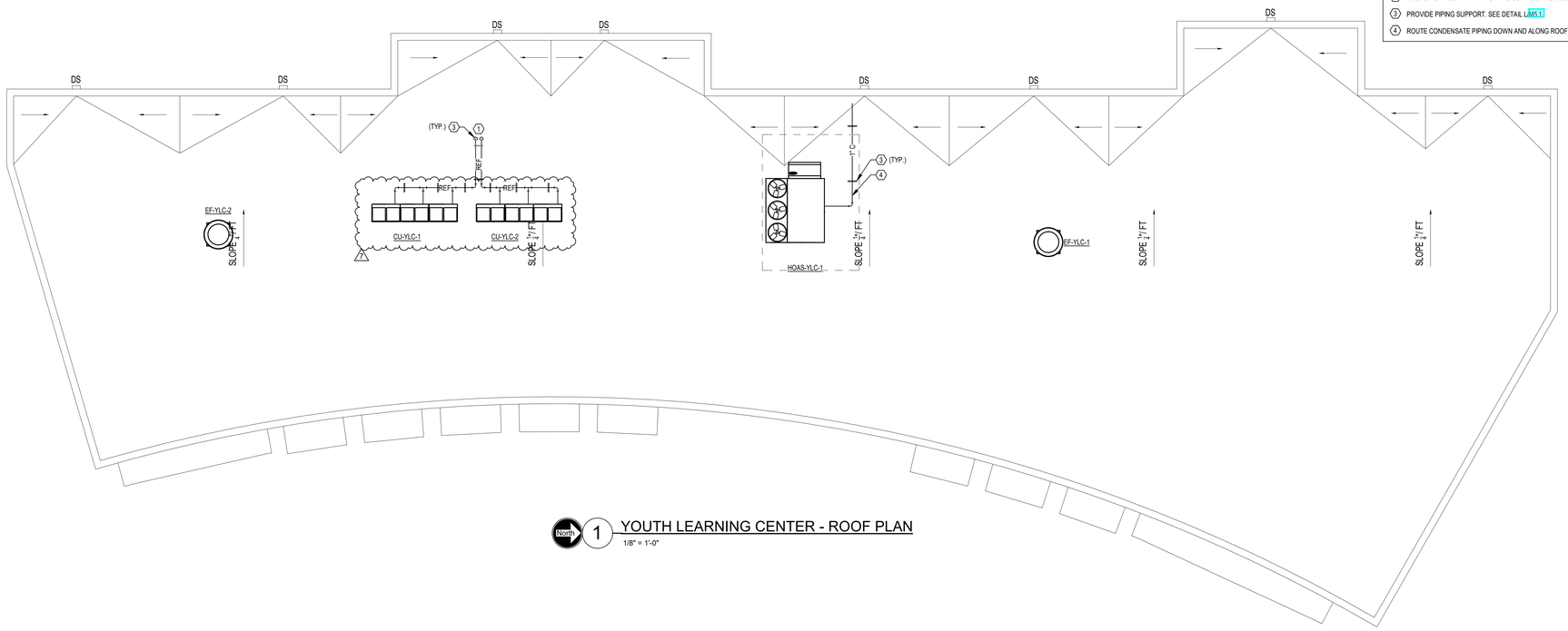
BLACKBURN-HUNT BUILDING - 2ND FLOOR PLAN - ADD ALTERNATE

M1.7A

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
7/16/2025 1:44:14 PM

KEYED NOTES:

1. ROUTE REFRIGERANT PIPING THROUGH ROOF TO BELOW. SEE DETAIL K/M5.1 SEE 1/M1.4 FOR CONTINUATION.
2. ROUTE REFRIGERANT PIPING THROUGH ROOF TO BELOW. SEE DETAIL K/M5.1 SEE 2/M1.6 FOR CONTINUATION.
3. PROVIDE PIPING SUPPORT. SEE DETAIL L/M5.1
4. ROUTE CONDENSATE PIPING DOWN AND ALONG ROOF WITH MINIMUM 1% SLOPE TO DRAIN.



North 1 YOUTH LEARNING CENTER - ROOF PLAN
1/8" = 1'-0"

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DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date
7	RESPONSE TO RFI #33	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - ROOF PLAN

M1.8

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9/5/2025 12:34:44 PM

VARIABLE REFRIGERANT FLOW - INDOOR UNIT TYPES

TYPE			A1	A3	A5	A6	D3	D4	D5	D6	D7	D8	D9	D10	E1	H5
DESCRIPTION			2x2 CEILING CASSETTE	2x2 CEILING CASSETTE	2x2 CEILING CASSETTE	2x2 CEILING CASSETTE	DUCTED CONCEALED ABOVE CEILING	DUCTED CONCEALED ABOVE CEILING	DUCTED CONCEALED ABOVE CEILING	DUCTED CONCEALED ABOVE CEILING	DUCTED CONCEALED ABOVE CEILING	DUCTED CONCEALED ABOVE CEILING	DUCTED CONCEALED ABOVE CEILING	DUCTED CONCEALED ABOVE CEILING	DUCTED CONCEALED ABOVE CEILING	WALL MOUNTED
	TOTAL COOLING CAPACITY (NOTE 1)	BTUH	5,800	9,500	15,000	18,000	12,000	14,200	18,000	24,000	30,000	36,000	48,000	57,000	72,000	24,000
	SENSIBLE COOLING CAPACITY (NOTE 1)	BTUH	4,700	6,600	10,800	13,000	9,700	10,400	13,800	16,800	22,400	25,700	34,800	41,800	56,900	18,000
	HEATING CAPACITY (NOTE 2)	BTUH	6,500	10,500	17,000	20,000	13,500	17,000	20,000	27,000	34,000	40,000	54,000	60,000	81,000	26,500
	AIR FLOW RATE (HIGH / LOW)	CFM	300 / 229	317 / 229	405 / 282	511 / 353	450 / 388	560 / 500	635 / 529	688 / 565	1,094 / 812	1,130 / 812	1,377 / 988	1,624 / 1,130	2,047 / 1,764	635 / 470
	EXTERNAL STATIC PRESSURE (HIGH / LOW)	IN. WG	N/A	N/A	N/A	N/A	0.40 / 0.12	0.80 / 0.20	0.80 / 0.20	0.80 / 0.20	0.80 / 0.20	0.80 / 0.20	0.80 / 0.20	0.80 / 0.20	0.95 / 0.38	N/A
	SOUND PRESSURE LEVEL (HIGH / LOW)	dBA	32 / 26	33 / 26	37 / 28	43 / 33	37 / 35	38 / 37	39 / 37	40 / 38	41 / 39	41 / 39	42 / 40	45 / 43	49 / 46	47 / 41
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1	208 / 1
	MINIMUM CIRCUIT AMPACITY	AMPS	0.3	0.3	0.4	0.6	1.4	1.5	1.6	1.8	2.8	2.9	3.4	3.4	9.5	0.6
	MAXIMUM OVERLOAD PROTECTION	AMPS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	CONDENSATE DRAIN SIZE	IN.	1	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4	1	3/4
	OUTSIDE AIR INTAKE SIZE	IN.	4	4	4	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	WEIGHT	LBS.	35	37	37	41	62	80	80	80	102	102	102	104	302	31
	FAN DRIVE		DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
MANUFACTURER			DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL NUMBER			FXZQ05	FXZQ09	FXZQ15	FXZQ18	FXMQ12	FXMQ15	FXMQ18	FXMQ24	FXMQ30	FXMQ36	FXMQ48	FXMQ54	FXMQ72	FXAQ24
DETAIL REFERENCE			C/M5.1	G/M5.1	G/M5.1	G/M5.1	F/M5.1	F/M5.1	F/M5.1	F/M5.1	F/M5.1	F/M5.1	F/M5.1	F/M5.1	F/M5.1	H/M5.1

NOTES:
1 COOLING CAPACITY RATED @ 95°F AMBIENT, 80°Fdb / 67°Fwb ENTERING AIR TEMPERATURE.
2 HEATING CAPACITY RATED @ 47°Fdb / 43°Fwb AMBIENT, 70°Fdb ENTERING AIR TEMPERATURE.

VRF - INDOOR UNIT DESIGNATIONS

DESIGNATION	DESCRIPTION	SCHEDULED TYPE	OUTSIDE AIR QUANTITY (CFM)	EXTERNAL STATIC PRESSURE (INCH WG)	SYSTEM CONNECTED TO: BRANCH SELECTOR	SYSTEM CONNECTED TO: CONDENSING UNIT	NOTES: STANDARD	NOTES: SPECIAL
IU-BBH-1.1	DUCTED CONCEALED ABOVE CEILING	D4	30	0.10	BS-BBH-1.1	CU-BBH-1	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-1.2	DUCTED CONCEALED ABOVE CEILING	E1	850	0.10	BS-BBH-1.1	CU-BBH-1	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-1.3	DUCTED CONCEALED ABOVE CEILING	E1	850	0.10	BS-BBH-1.1	CU-BBH-1	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-1.4	DUCTED CONCEALED ABOVE CEILING	D9	90	0.10	BS-BBH-1.1	CU-BBH-1	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-1.5	DUCTED CONCEALED ABOVE CEILING	D8	200	0.10	BS-BBH-1.1	CU-BBH-1	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-1.6	WALL MOUNTED	H5	0	0.10	BS-BBH-1.1	CU-BBH-1	1, 2, 3	
IU-BBH-2.1	DUCTED CONCEALED ABOVE CEILING	D6	0	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-2.2	DUCTED CONCEALED ABOVE CEILING	D5	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-2.3	2x2 CEILING CASSETTE	A3	150	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.4	2x2 CEILING CASSETTE	A1	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.5	2x2 CEILING CASSETTE	A1	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.6	2x2 CEILING CASSETTE	A1	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.7	2x2 CEILING CASSETTE	A1	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.8	2x2 CEILING CASSETTE	A1	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.9	DUCTED CONCEALED ABOVE CEILING	D7	60	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-2.10	DUCTED CONCEALED ABOVE CEILING	D10	300	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-2.11	DUCTED CONCEALED ABOVE CEILING	D3	50	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 7, 9, 10, 11, 12, 13, 14	
IU-BBH-2.12	2x2 CEILING CASSETTE	A1	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.13	2x2 CEILING CASSETTE	A1	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.14	2x2 CEILING CASSETTE	A1	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.15	2x2 CEILING CASSETTE	A1	20	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.16	2x2 CEILING CASSETTE	A5	70	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3, 4, 5, 6, 7	
IU-BBH-2.17	WALL MOUNTED	H5	0	0.10	BS-BBH-1.2	CU-BBH-2	1, 2, 3	

NOTES: (SEE SEQUENCES OF OPERATION ON SHEET MC2.1 FOR CONTROLS)
1 REFRIGERANT PIPING SHALL BE SIZED BY MANUFACTURER.
2 PROVIDE SIMPLIFIED WIRED REMOTE CONTROL.
3 PROVIDE 1" PLEATED FILTER (SEE SPECIFICATIONS).
4 PROVIDE UNIT INTEGRAL CONDENSATE PUMP WITH OVERFLOW SAFETY SHUTOFF.
5 PROVIDE CHECK VALVE AT UNIT CONDENSATE OUTLET.
6 PROVIDE DECORATION PANEL.
7 PROVIDE FILTER CHAMBER.
8 PROVIDE FRESH AIR INTAKE KIT.
9 PROVIDE AIR SUCTION FLANGE FOR REAR RETURN.
10 SET FAN SPEED TO ACHIEVE AIRFLOW (AS INDICATED ON PLANS).
11 PROVIDE 120-VOLT CONDENSATE PUMP (SAUERMANN SI-30 OR APPROVED EQUAL).
12 PROVIDE NAVIGATION REMOTE CONTROLLER (WHERE EQUIPPED WITH ZONE DAMPERS).
13 PROVIDE INDIVIDUAL THERMOSTATS FOR EACH ZONE (WHERE EQUIPPED WITH ZONE DAMPERS).
14 SET MINIMUM DAMPER POSITION TO 20% FOR EACH DAMPER (WHERE EQUIPPED WITH ZONE DAMPERS).

VRF - CONDENSING UNITS

DESIGNATION	SCHEDULED TYPE	DESCRIPTION	COMBINATION RATIO (%)	CAPACITY (BTUH)
CU-BBH-1	G	HEAT RECOVERY	123%	216,000
CU-BBH-2	G	HEAT RECOVERY	112%	216,000

NOTES:
1 ADJUSTED CAPACITY @ INDOOR DESIGN TEMPERATURE & COMBINATION RATIO.
2 REFRIGERANT PIPING SHALL BE SIZED BY MANUFACTURER.
3 COAT ENTIRE CONDENSING UNIT WITH CORROSION INHIBITOR.

VARIABLE REFRIGERANT FLOW - CONDENSING UNIT TYPES

TYPE			G
DESCRIPTION			HEAT RECOVERY
PERFORMANCE			
	NOMINAL CAPACITY	TONS	18
	COOLING CAPACITY (NOTE 1)	BTUH	216,000
	HEATING CAPACITY (NOTE 2)	BTUH	243,000
	EER (NOTE 3)	BTU / W-HR	12.35
	IEER (NOTE 3)	BTU / W-HR	22.40
	SIMULATANEOUS COOLING & HEATING EFFICIENCY (NOTE 3)	BTU / W-HR	23.70
	COEFFICIENT OF PERFORMANCE (NOTE 3)	BTU / W-HR	3.64
	SOUND PRESSURE LEVEL	dBA	68
UNIT DATA			
	COMBINATION		(1) 8-TON (1) 10-TON
	COMPRESSOR QUANTITY (INVERTER)	#	1 + 1
	MAXIMUM NUMBER OF INDOOR UNITS	#	37
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 3
	MINIMUM CIRCUIT AMPACITY	AMPS	38.1 + 43.0
	MAXIMUM OVERLOAD PROTECTION	AMPS	45 + 50
	WEIGHT	LBS.	793
	REFRIGERANT TYPE		R410A
MANUFACTURER			DAIKIN
MODEL NUMBER			REYQ216XATJA
DETAIL REFERENCE			J/M5.1

NOTES:
1 COOLING CAPACITY RATED @ 95°F AMBIENT, 80°Fdb / 67°Fwb ENTERING AIR TEMPERATURE.
2 HEATING CAPACITY RATED @ 47°Fdb / 43°Fwb AMBIENT, 70°Fdb ENTERING AIR TEMPERATURE.
3 EFFICIENCY RATINGS BASED ON MIX OF DUCTED AND NON-DUCTED INDOOR UNITS.

VARIABLE REFRIGERANT FLOW - BRANCH SELECTOR TYPES

TYPE			C2	C3
	DESCRIPTION		MULTI PORT	MULTI PORT
	SERIES		FLEX	FLEX
	MAXIMUM CAPACITY OF CONNECTED INDOOR UNITS	BTUH	216,000	290,000
	NUMBER OF PORTS	#	6	8
	MAXIMUM NUMBER OF CONNECTED UNITS PER PORT	#	5	5
	COOLING INPUT POWER	W	64	86
	HEATING INPUT POWER	W	64	86
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 1	208 / 1
	MINIMUM CIRCUIT AMPACITY	AMPS	0.6	0.8
	MAXIMUM OVERLOAD PROTECTION	AMPS	15	15
	WEIGHT	LBS.	73	81
MANUFACTURER			DAIKIN	DAIKIN
MODEL NUMBER			BSF60S4TVJ	BSF80S4TVJ
DETAIL REFERENCE			C/M5.2	C/M5.2

VRF - BRANCH SELECTORS

DESIGNATION	SCHEDULED TYPE	DESCRIPTION	SERIES
BS-BBH-1.1	C3	MULTI PORT	FLEX
BS-BBH-1.2	C2	MULTI PORT	FLEX

NOTES:
1 REFRIGERANT PIPING SHALL BE SIZED BY MANUFACTURER.

DESIGN CONDITIONS

OUTDOOR CONDITIONS - DESIGN DAY (TALLAHASSEE, FLORIDA)			
	COOLING (0.4% ANNUAL)	°Fdb - °Fwb	96.2 - 76.2
	HEATING (99.6% ANNUAL)	°Fdb	26.5
	ENTHALPY (0.4% ANNUAL)	°Fdb - °Fwb	89.0 - 79.9
	DEHUMIDIFICATION (0.4% ANNUAL)	°Fdb - °Fwb	82.9 - 79.2
	EVAPORATION (0.4% ANNUAL)	°Fdb - °Fwb	88.8 - 80.0
	HUMIDIFICATION (99% ANNUAL)	GR / LB	13.0
INDOOR CONDITIONS - SUMMER			
	OFFICE AREAS (EXCEPT AS NOTED BELOW)	°Fdb - %RH	74 - 55
	CLASSROOMS	°Fdb - %RH	74 - 50
	MUSEUMS / ARCHIVES	°Fdb - %RH	70 - 50
	TELECOMMUNICATION ROOMS	°Fdb - %RH	78 - 55
	MECHANICAL / ELECTRICAL ROOMS / SERVICE AREAS	°Fdb - %RH	80 - 50
	ELEVATOR MACHINE ROOMS	°Fdb - %RH	80 - 50
INDOOR CONDITIONS - WINTER			
	OFFICE AREAS (EXCEPT AS NOTED BELOW)	°Fdb - %RH	70 - 30
	CLASSROOMS	°Fdb - %RH	70 - 30
	MUSEUMS / ARCHIVES	°Fdb - %RH	68 - 45
	TELECOMMUNICATION ROOMS	°Fdb - %RH	65 - 30
	MECHANICAL / ELECTRICAL ROOMS / SERVICE AREAS	°Fdb - %RH	70 - 30
	ELEVATOR MACHINE ROOMS	°Fdb - %RH	70 - 30

VENTILATION RATE

TYPE OF SPACE		EXHAUST AIR CFM / FT_2	OUTSIDE AIR CFM / PERSON	OUTSIDE AIR CFM / FT_2
	BREAK ROOMS		5	0.06
	CLASSROOMS (AGE 9 PLUS)		10	0.12
	CONFERENCE / MEETING		5	0.06
	CORRIDORS		0	0.06
	JANITOR / TRASH	1	0	0.00
	KITCHEN (COOKING)	0.7	7.5	0.12
	LOBBIES		5	0.06
	MAIN ENTRY LOBBIES		5	0.06
	MULTI-PURPOSE ASSEMBLY		5	0.06
	MULTI-USE ASSEMBLY		7.5	0.06
	OFFICE SPACE		5	0.06
	STORAGE ROOMS		0	0.12
	TOILET (PUBLIC)	50/70	0	0.00

NOTES:
1 VENTILATION RATES FOR SPACES WITH INTERMITTENT OCCUPANCY (PEAK OCCUPANCY LESS THAN THREE HOURS) HAVE BEEN REDUCED ON AVERAGE OCCUPANCY DURING THE OCCUPIED PERIOD, BUT NOT LESS THAN HALF OF THAT REQUIRED DURING PEAK OCCUPANCY.
2 VENTILATION RATES CALCULATED PER REQUIREMENTS OF FBC, MECHANICAL 2023.
3 EXHAUST IS PER WATER CLOSET AND/OR URINAL. HIGHER RATE USED.

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Florida Registry #1485
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date
7	RESPONSE TO RFI #33	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
SCHEDULES

M4.1

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FANS

DESIGNATION			EF-YLC-1	EF-YLC-2
	SERVICE		CLASS 1 OR 2 EXHAUST	CLASS 1 OR 2 EXHAUST
	MOUNTING METHOD		ROOF	ROOF
	FAN TYPE		CENTRIFUGAL UPBLAST	CENTRIFUGAL UPBLAST
	AIR FLOW	CFM	270	890
	STATIC PRESSURE	IN.	0.4	0.4
	AIRSTREAM TEMPERATURE	DEG.F	70	70
	FAN SPEED	RPM	1,300	795
	FAN DRIVE		DIRECT	DIRECT
	MOTOR SPEED	RPM	1,550	1,050
	MOTOR POWER	HP or W	1/8 HP	1/3 HP
	MOTOR BRAKE HORSEPOWER	BHP	N/A	N/A
	ELECTRONICALLY COMMUTATED MOTOR		YES	YES
	ELECTRICAL CHARACTERISTICS	V / PH	120 / 1	120 / 1
	WEIGHT	LBS.	23	56
	NOISE LEVEL (RADIATED)	SONES or LwA	5.4 SONES	4.6 SONES
	STANDARD NOTES		1, 2, 3, 4, 7, 9	1, 2, 3, 4, 7, 9
	SPECIAL NOTES			
MANUFACTURER			COOK	COOK
MODEL NUMBER			90R15DH	165RH10D
DETAIL REFERENCE			D/M5.1	D/M5.1

NOTES: (SEE SEQUENCES OF OPERATION ON SHEET M2.1 FOR FAN CONTROLS)

1 PROVIDE PRE-WIRED DISCONNECT SWITCH, FACTORY MOUNTED.
2 PROVIDE SOLID STATE SPEED CONTROLLER, FACTORY MOUNTED.
3 PROVIDE BIRD SCREEN.
4 PROVIDE BACKDRAFT DAMPER, GRAVITY OPERATED.
7 PROVIDE PRE-FABRICATED INSULATED ROOF CURB, 12-INCH HIGH WITH DAMPER TRAY, SLOPED TO MATCH ROOF SLOPE.
9 PROVIDE TIE-DOWN EYELETS.

BUILDING AIR BALANCE - YOUTH LEARNING CENTER (NORMAL)

OUTSIDE AIR SOURCE	CFM	EXHAUST SOURCE	CFM
HOAS-YLC-1	3,970	EF-YLC-1	270
		EF-YLC-2	890
		HOAS-YLC-1 (RELIEF)	2,050
TOTAL	3,970	TOTAL	3,210
BUILDING PRESSURIZATION		(+)	760

BUILDING AIR BALANCE - YOUTH LEARNING CENTER (ECONOMIZER)

OUTSIDE AIR SOURCE	CFM	EXHAUST SOURCE	CFM
HOAS-YLC-1	5,520	EF-YLC-1	270
		EF-YLC-2	890
		HOAS-YLC-1 (RELIEF)	3,600
TOTAL	5,520	TOTAL	4,760
BUILDING PRESSURIZATION		(+)	760

MAKEUP AIR UNIT - PACKAGED

DESIGNATION			HOAS-YLC-1
AIR FLOW RATES			
	TOTAL SUPPLY AIR	CFM	5,520
	OUTSIDE AIR	CFM	3,970
	RELIEF AIR (NORMAL / ECONOMIZER)	CFM	2050 / 3600
	MINIMUM SUPPLY FAN SPEED SETTING	%	100
	MINIMUM EXHAUST FAN SPEED SETTING	%	60
FILTER SECTION			
	DAMPERS		NONE
	FILTER ORIENTATION		FLAT
	TYPE OF FILTER		2" THICK PLEATED
COOLING DATA			
	TOTAL COOLING CAPACITY	MBTUH	340.5
	SENSIBLE COOLING CAPACITY	MBTUH	203.9
	AIR ENTERING COOLING COIL	°Fdb - °Fwb	90.2 – 74.3
	AIR LEAVING COOLING COIL	°Fdb - °Fwb	55.1 – 55.0
	EER / IEER	BTU / W-HR	10.6 / 13.2
	CONDENSATE DRAIN SIZE	IN.	1
HOT GAS REHEAT DATA			
	TYPE		MODULATING
	HEATING CAPACITY	MBTUH	114.8
	AIR ENTERING HOT GAS REHEAT COIL	°F	55.1
	AIR LEAVING HOT GAS REHEAT COIL	°F	75
HEATING DATA - ELECTRIC			
	HEATING CAPACITY - # OF STAGES	kW - #	60 – SCR
	AIR ENTERING HEATING COIL	°F	38.7
	AIR LEAVING HEATING COIL	°F	72.9
SUPPLY FAN SECTION			
	FAN TYPE		PLENUM
	DRIVE TYPE		DIRECT
	FAN QUANTITY	#	1
	EXTERNAL STATIC PRESSURE	IN. WG	1.5
	MAXIMUM TOTAL STATIC PRESSURE (INCLUDING DIRTY FILTER)	IN. WG	3.11
	DIRTY FILTER ALLOWANCE	IN. WG	0.93
	FAN MOTOR HORSEPOWER (PER FAN)	HP - BHP	7 1/2 – 4.02
	FAN MOTOR HORSEPOWER (UNIT TOTAL)	HP - BHP	7 1/2 – 4.02
	VARIABLE FREQUENCY DRIVE		1 PER UNIT
EXHAUST FAN SECTION			
	FAN TYPE		PLENUM
	DRIVE TYPE		DIRECT
	FAN QUANTITY	#	1
	EXTERNAL STATIC PRESSURE	IN. WG	1
	MAXIMUM TOTAL STATIC PRESSURE (INCLUDING DIRTY FILTER)	IN. WG	1
	DIRTY FILTER ALLOWANCE	IN. WG	0
	FAN MOTOR HORSEPOWER (PER FAN)	HP - BHP	2 – 0.8
	FAN MOTOR HORSEPOWER (UNIT TOTAL)	HP - BHP	2 – 0.8
	VARIABLE FREQUENCY DRIVE		1 PER FAN
UNIT DATA			
	COMPRESSOR QUANTITY	# - #	2
	WEIGHT	LBS	3,186
	REFRIGERANT TYPE		R-454B
	ELECTRICAL CHARACTERISTICS	V / PH	208 / 3
	MCA / MOCP	AMPS	206 / 225
MANUFACTURER			AAON
MODEL NUMBER			RNA-030-C-A-8-GAB0B-A0AN0
DETAIL REFERENCE			E/M5.1

NOTES:

1 PROVIDE ONE (1) MODULATING COMPRESSOR.
2 NOT USED.
3 PROVIDE SUPPLY AIR TEMPERATURE AND DEWPOINT CONTROL.
4 PROVIDE SUPPLY AIR TEMPERATURE SENSOR.
5 PROVIDE OUTSIDE AIR TEMPERATURE AND HUMIDITY SENSORS.
6 PROVIDE SUCTION PRESSURE TRANSDUCER.
7 PROVIDE RETURN AIR TEMPERATURE AND HUMIDITY SENSORS.
8 PROVIDE TERMINAL BLOCK WITH 2 DIGITAL RELAY OUTPUTS.
9 COAT ALL COILS WITH CORROSION INHIBITOR.
10 NOT USED.
11 PROVIDE EBTRON GOLD SERIES AIRFLOW MEASURING STATION.
12 PROVIDE CONVENIENCE ELECTRICAL OUTLET.
13 PROVIDE ROOF CURB WITH THROUGH THE CURB UTILITIES.
14 NOT USED.
15 PROVIDE DISCONNECT SWITCH.

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50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
SCHEDULES

M4.2

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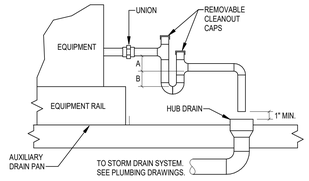


NOTES:

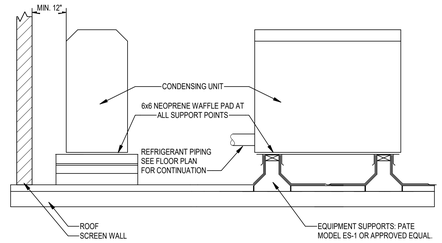
1. DRAIN LINE SHALL BE AT LEAST THE SAME SIZE AS THE CONNECTION ON THE DRAIN PAN (1" MIN.)
2. DRAIN LINE SHALL SLOPE 1/8" PER FOOT (MIN.)
3. SEE SPECIFICATIONS FOR PIPE AND INSULATION MATERIALS.

UNIT TYPE	A	B
DRAW-THRU	X PLUS 2"	X
BLOW-THRU	1" MIN.	2X

WHERE X=STATIC PRESSURE IN PAN

N4L3

N CONDENSATE DRAIN



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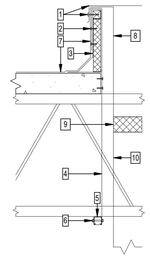
J DUCTLESS SPLIT - CONDENSING UNIT ROOF MOUNT

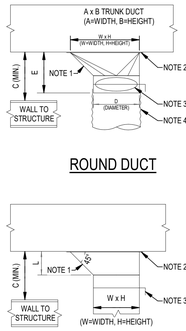


NOTES: (THIS DETAIL ONLY)

1. SECURE EQUIPMENT OR CURB CAP TO ROOF CURB WITH 3/8 "Ø x1" LAG BOLTS @ 12" O.C. ALL AROUND. CAULK BOLTS WITH SILICONE. APPLY CONTINUOUS FOAM RUBBER GASKET TO UNDERSIDE OF CURB CAP.
2. WRAP STRAP OVER TOP OF CURB AND ATTACH TO OUTSIDE OF CURB WITH FOUR STAINLESS STEEL SHEET METAL SCREWS.
3. PREFABRICATED INSULATED ROOF CURB WITH PRESSURE TREATED WOOD NAILER AND INTEGRAL CANT, MIN. 12" HIGH (SEE SPECIFICATIONS). PROVIDE RAISED CANT MODEL FOR INSULATED ROOF.
4. GALVANIZED STEEL STRAPS AT CURB CORNERS - SIMPSON "STRONG-TIE" CMSTC16, OR EQUAL. SECURE TO STRUCTURAL STEEL ANGLE WITH 4#12 SCREWS.
5. UNISTRUT BOLTED TO ROOF STRUCTURE (SPAN AT LEAST TWO BAR JOISTS).
6. WRAP STRAP AROUND THREE SIDES OF UNISTRUT AND FASTEN WITH 1/4" STAINLESS STEEL BOLT, WASHER, LOCK WASHER AND NUT.
7. ROOF MEMBRANE SHALL TURN UP ON OUTSIDE OF ROOF CURB AND COVER THE TIE-DOWN STRAPS. FASTEN TO WOOD NAILER AT TOP OF CURB.
8. PROVIDE DUCT (WHERE INDICATED ON PLANS) WITH FLANGE ATTACHED TO TOP OF ROOF CURB. ALLOW SPACE FOR DUCT INSULATION, IF REQUIRED.
9. FLEXIBLE DUCT CONNECTION.
10. SUPPORT LOWER SECTION OF DUCT FROM ROOF STRUCTURE.

N4T3.1

E ROOF CURB AND TIE-DOWN



D	E (NOTE 5)	WxH (NOTE 5)	TRUNK DUCT HEIGHT (B MIN.)	C	
				NO FIRE DAMPER	WITH FIRE DAMPER
6	8.5	12 x 6	8	9	12
8	8.5	12 x 6	8	9	12
10	9.5	16 x 6.75	10	10	13
12	10.5	18 x 8.5	12	11	14
14	10.5	20 x 9.5	12	11	14
16	12	24 x 12	14	13	16

DIMENSIONS BASED ON CROWN PRODUCTS CO., INC.

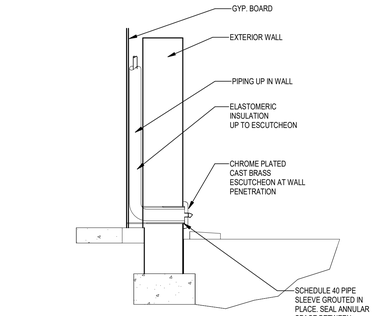
NOTES:

1. 45° ENTRY.
2. 1" WIDE FLANGE WITH GASKET SEAL AROUND ENTIRE PERIMETER.
3. PROVIDE MANUAL BALANCING DAMPER. OPERATOR SHALL PENETRATE INSULATION.
4. USE ROUND TYPE TAKE-OFF FOR SUPPLY AIR TO NOT MORE THAN ONE TERMINAL.
5. USE ROUND TYPE TAKE-OFF FOR SUPPLY AIR TO NOT MORE THAN ONE TERMINAL DIAMETER, PROVIDE TRANSITION FITTING OF EQUIVALENT AREA TO THE RUNOUT DUCT.

L = W/4 (4"MIN.)
H = B-2 (MAX.)
C = L+4 (WITH FIRE DAMPER)
C = L+2 (WITHOUT FIRE DAMPER)

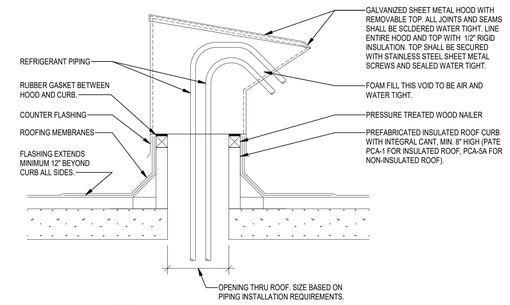
N4A2

A TYPICAL DUCT TAKE-OFF FITTINGS



N4E3

P CONDENSATE PIPING



NOTES:

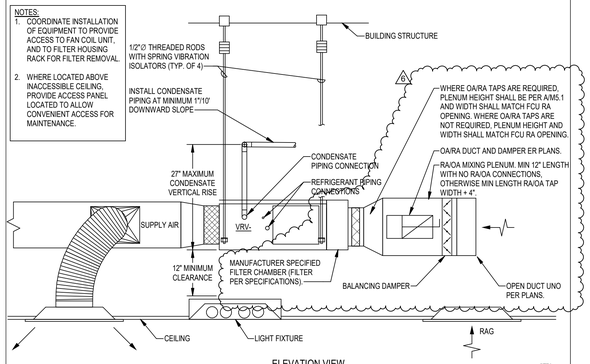
1. SECURE CURB TO ROOF WITH SHEETMETAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION.
2. SECURE COVER TO WOOD NAILING STRIP WITH 3/8" CADMIUM PLATED LAG BOLTS ON 12" MAX. CENTERS.
3. PROVIDE CONTINUOUS FOAM RUBBER GASKET APPLIED TO UNDERSIDE OF CURB CAP.

N4B3.3

K ROOF MOUNTED REFRIGERANT PIPING HOOD

NOTES:

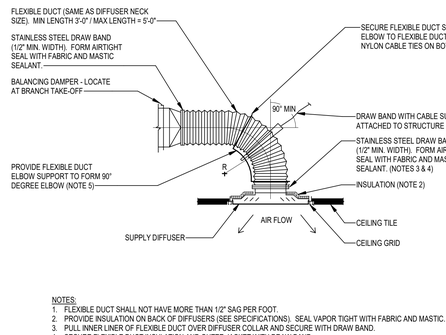
1. COORDINATE INSTALLATION OF EQUIPMENT TO PROVIDE ACCESS TO FAN COIL UNIT, AND TO FILTER HOUSING RACK FOR FILTER REMOVAL.
2. WHERE LOCATED ABOVE INACCESSIBLE CEILING, PROVIDE ACCESS PANEL LOCATED TO ALLOW CONVENIENT ACCESS FOR MAINTENANCE.



ELEVATION VIEW

N4D2.1

F VARIABLE REFRIGERANT VOLUME - CONCEALED FAN COIL UNIT WITH FILTER RACK

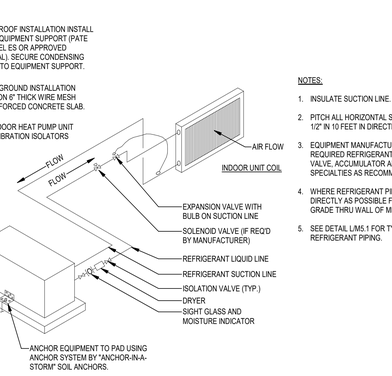


NOTES:

1. FLEXIBLE DUCT SHALL NOT HAVE MORE THAN 1/2" SAG PER FOOT.
2. PROVIDE INSULATION ON BACK OF DIFFUSERS (SEE SPECIFICATIONS). SEAL VAPOR TIGHT WITH FABRIC AND MASTIC.
3. PULL INNER LINER OF FLEXIBLE DUCT OVER DIFFUSER COLLAR AND SECURE WITH DRAW BAND.
4. SECURE FLEXIBLE DUCT INSULATION AND OUTER JACKET WITH DRAW BAND.
5. MAINTAIN MINIMUM RADIUS (R) OF 1.5 TIMES THE DUCT DIAMETER.

N4A5

B FLEXIBLE DUCT CONNECTION TO SUPPLY DIFFUSER

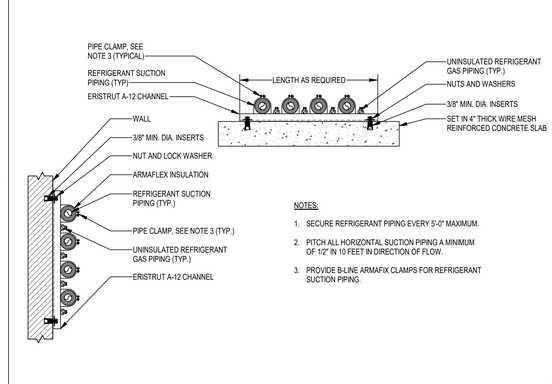


NOTES:

1. INSULATE SUCTION LINE.
2. PITCH ALL HORIZONTAL SUCTION PIPING A MINIMUM OF 1/2" IN 10 FEET IN DIRECTION OF FLOW.
3. EQUIPMENT MANUFACTURER SHALL DETERMINE THE REQUIRED REFRIGERANT PIPE SIZES. PROVIDE SOLENOID VALVE, ACCUMULATOR AND OTHER REFRIGERANT SPECIALTIES AS RECOMMENDED BY THE MANUFACTURER.
4. WHERE REFRIGERANT PIPING IS NOT SHOWN, ROUTE AS DIRECTLY AS POSSIBLE FROM OUTDOOR UNIT ABOVE GRADE THRU WALL OF MECHANICAL ROOM TO AHU.
5. SEE DETAIL L/M5.1 FOR TYPICAL METHOD OF SECURING REFRIGERANT PIPING.

N4T8

Q REFRIGERANT PIPING SCHEMATIC - SPLIT SYSTEM HEAT PUMP

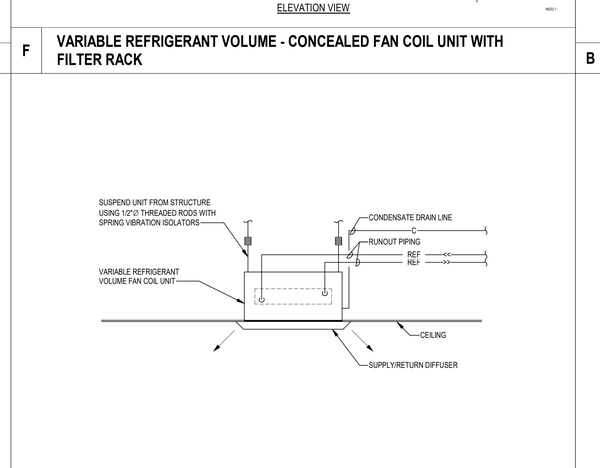


NOTES:

1. SECURE REFRIGERANT PIPING EVERY 5'-0" MAXIMUM.
2. PITCH ALL HORIZONTAL SUCTION PIPING A MINIMUM OF 1/2" IN 10 FEET IN DIRECTION OF FLOW.
3. PROVIDE B-LINE ARMAFIX CLAMPS FOR REFRIGERANT SUCTION PIPING.

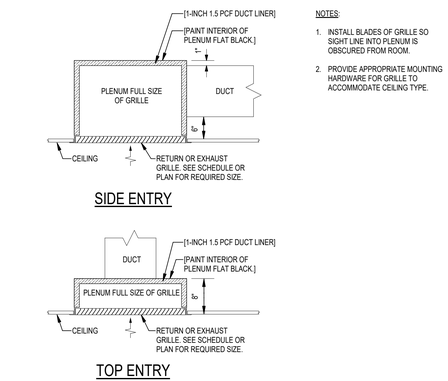
N4M3.4

L TYPICAL METHOD OF SECURING REFRIGERANT PIPING



N4D2.2

G VARIABLE REFRIGERANT VOLUME - INDOOR CEILING CASSETTE UNIT

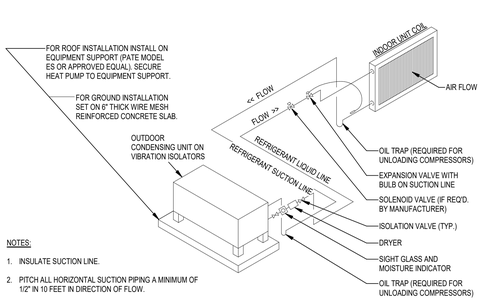


NOTES:

1. INSTALL BLADES OF GRILLE SO SIGHT LINE INTO PLENUM IS OBSCURED FROM ROOM.
2. PROVIDE APPROPRIATE MOUNTING HARDWARE FOR GRILLE TO ACCOMMODATE CEILING TYPE.

N4T5.1

C RETURN OR EXHAUST CEILING GRILLE

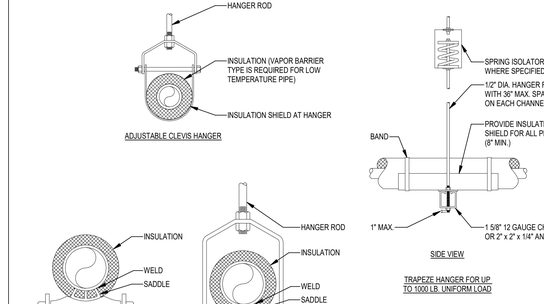


NOTES:

1. INSULATE SUCTION LINE.
2. PITCH ALL HORIZONTAL SUCTION PIPING A MINIMUM OF 1/2" IN 10 FEET IN DIRECTION OF FLOW.
3. EQUIPMENT MANUFACTURER SHALL DETERMINE THE REQUIRED REFRIGERANT PIPE SIZES. PROVIDE SOLENOID VALVE, ACCUMULATOR AND OTHER REFRIGERANT SPECIALTIES AS RECOMMENDED BY THE MANUFACTURER.
4. WHERE REFRIGERANT PIPING IS NOT SHOWN, ROUTE AS DIRECTLY AS POSSIBLE FROM OUTDOOR UNIT ABOVE GRADE THRU WALL OF MECHANICAL ROOM TO AHU.

N4F2

R REFRIGERANT PIPING SCHEMATIC - SPLIT SYSTEM CONDENSING UNIT

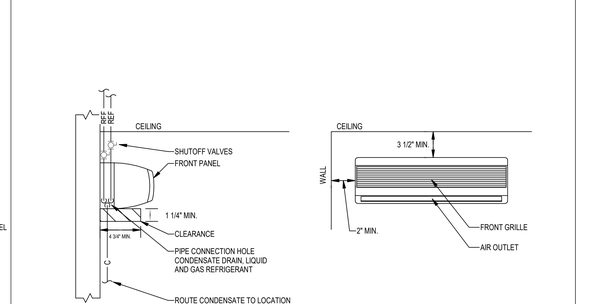


NOTES:

1. SEE SPECIFICATIONS FOR SPACING OF HANGERS.

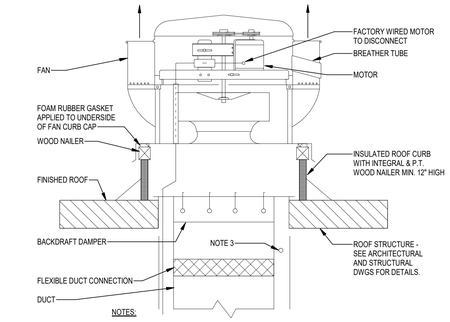
N4M2.2

M TYPICAL PIPE HANGERS



N4T3.3

H DUCTLESS - WALL MOUNTED INDOOR UNIT



NOTES:

1. SECURE FAN TO CURB AS NECESSARY TO MEET CODE REQUIRED WIND LOADING.
2. SECURE CURB TO ROOF WITH SHEET METAL SCREWS, LAG BOLTS OR OTHER METHOD CONSISTENT WITH ROOF CONSTRUCTION AS NECESSARY TO MEET CODE REQUIRED WIND LOADING.
3. MINIMUM 1 1/4" CLEARANCE FOR ELECTRICAL CONDUIT.
4. SEE ROOF CURB AND TIE-DOWN DETAIL.

N4D3

D UPBLAST ROOF EXHAUST FAN

H2E ENGINEERING
114 EAST 5th AVENUE TALLAHASSEE, FL 32303
PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No: 24179

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Florida Registry #1485
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date
6	RESPONSE TO RFI #25	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

M5.1

Autodesk Docs://24-197 Florida Sheriffs Association - Learning Center/24-197 Florida Sheriffs Association - Learning Center_MEP Central_R24.rvt
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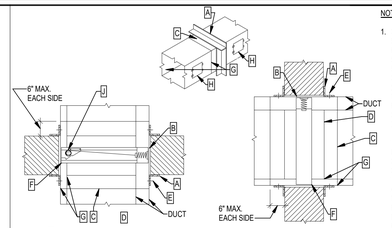


A RETAINING ANGLES: MINIMUM 1 1/2" x 1 1/2" x 0.054 (16 GAUGE). RETAINING ANGLES MUST LAP STRUCTURAL OPENING 1" MINIMUM AND COVER OPENINGS OF CORNERS. CAULK THE EXTERIOR PERIMETER OF FIRE DAMPER RETAINING ANGLES WITH A THIN FILLET OF AN APPROVED CAULKING MATERIAL TO PREVENT THE PASSAGE OF SMOKE AND ALLOW MOVEMENT OF THE ANGLE.

B CLEARANCE: 1/8" PER LINEAR FOOT IN BOTH DIMENSIONS (SEE NOTE 1 BELOW).

C STEEL SLEEVE: 14 GAUGE, OR AS ALLOWED BY U.L. STANDARD 555.

D APPROVED FIRE DAMPER: CURTAIN OR BLADE TYPE.

E SECURE RETAINING ANGLES TO SLEEVE: ON 8" CENTERS WITH 1/2" LONG WELDS, OR 1/4" BOLTS AND NUTS, OR #10 STEEL SCREWS, OR MINIMUM 3/16" STEEL RIVETS.

F SECURE FIRE DAMPER TO SLEEVE: ON 8" CENTERS WITH 1/2" LONG WELDS, OR 1/4" BOLTS AND NUTS, OR #10 STEEL SCREWS, OR MINIMUM 3/16" STEEL RIVETS.

G CONNECT DUCT TO SLEEVE OR FIRE DAMPER: WITH BREAKAWAY CONNECTION.

H INSTALL HINGED ACCESS DOOR

J NEGATOR CLOSURE SPRING

NOTES:

1. CLEARANCE REQUIREMENTS FOR FIRE DAMPER SLEEVES WITHIN OPENING IS BASED ON 1/8" PER FOOT OF WIDTH (OR HEIGHT) UNLESS OTHERWISE STATED IN THE LISTING OF THE ASSEMBLY. THE SLEEVE MAY REST ON THE BOTTOM OF THE OPENING, AND NEED NOT BE CENTERED. (FRACTIONAL DIMENSIONS SHALL BE TAKEN AS THE NEXT LARGER WHOLE FOOT). EXAMPLE: A 30" x 24" FIRE DAMPER SLEEVE IS INSTALLED IN WALL/FLOOR OPENING. THE OPENING SHALL BE 30 3/8" WIDE (1/8"X 3') BY 24 1/4" HIGH (1/8" x 2').

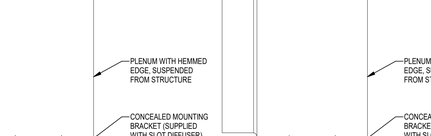
   THE SLEEVE IS RETAINED IN THE WALL/FLOOR BY THE USE OF STEEL RETAINING ANGLES A. THESE MUST OVERLAP THE EDGE OF THE FRAMING BY A MINIMUM OF ANGLES A. THESE MUST OVERLAP THE EDGES OF THE FRAMING BY A MINIMUM OF ONE (1) INCH OVER AND BEYOND ALL MATERIAL IN THE OPENING. THIS MEANS THAT THE MINIMUM WIDTH OF THE RETAINING ANGLE WOULD BE 1 3/8". (GOOD PRACTICE CALLS FOR AN ADDITIONAL SAFETY FACTOR BY MAKING THE ANGLE IN THIS CASE 1 1/2" WIDE.

   THE DIMENSIONS REQUIRED FOR THE OPENING SHALL BE THOSE REMAINING AFTER THE OPENING HAS BEEN FRAMED AND THE FIRE RESISTIVE MATERIALS PROVIDED WERE REQUIRED. THE FIRE RESISTIVE MATERIALS SHALL BE EQUAL TO THE REQUIRE-MENTS FOR FIRE RESISTIVE MATERIALS USED IN THE CONSTRUCTED WALL SO THAT A CONTINUOUS RATING EXISTS AT THE WALL/FLOOR PENETRATION. THE CONTRACTOR ERECTING THE WALL/FLOOR IS RESPONSIBLE FOR PROVIDING THE FIRE RESISTIVE MATERIAL AND CORRECT SIZE OPENINGS TO ACHIEVE THE REQUIRED CLEARANCE.

2. THE FIRE DAMPER MANUFACTURER'S INSTALLATION DETAILS AND INSTRUCTIONS AS TESTED AND APPROVED BY U.L. MUST BE USED IN LIEU OF THE ABOVE DETAILS WHERE APPLICABLE.

M21.1

A FIRE DAMPER INSTALLATION



NOTES:

1. ACCESS DOOR SHALL BE NOMINAL 24"x24" UNLESS NOTED OTHERWISE.
2. LOCATE DOOR IN CEILING OR WALL TO ALLOW UNOBSTRUCTED ACCESS TO EQUIPMENT, DAMPERS, ETC. AND NOT IN CONFLICT WITH LIGHTS, DIFFUSERS, SPRINKLERS, ETC.
3. ACCESS PANELS LOCATED IN SECURE CEILINGS SHALL BE SECURITY TYPE.

M79.1

B EQUIPMENT ACCESS PANEL

NOTES:
1. PROVIDE MANUFACTURERS RECOMMENDED CLEARANCES AND MOUNTING REQUIREMENTS.
2. UNITS SUPPORTED FROM STRUCTURE ABOVE.
3. SEE VRV BRANCH SELECTOR DESIGNATION & TYP SCHEDULE ON SHEET M0.3 FOR NUMBER OF PORTS.

C VARIABLE REFRIGERANT VOLUME - HEAT RECOVERY UNITS

FLANGED FRAME, CONCEALED MOUNTING
N.T.S.

T-BAR LAY-IN STYLE
N.T.S.

M79.2

D SLOT DIFFUSER

ENGINEERING
114 EAST 5th AVENUE TALLAHASSEE, FL 32303
PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No. 24179

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

M5.2

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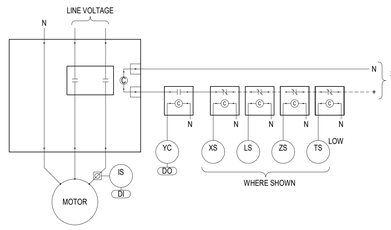
FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	
METAL PIPES OR CONDUIT (1000-1999)	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-S SIL GG, CFS-D, MINERAL WOOL
	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	
NON-METALLIC PIPE OR CONDUIT (E, PVC, CPVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2271, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL CP 644, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, CP 648
	2	F-A 2053, F-A 2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	
SINGLE OR BUNDLED CABLES (3000-3999)	1	F-A-3007, C-AJ-3095, C-AJ-3180, C-AJ-3283	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	CP 680, CP 653, FS-ONE MAX, CP 618, CP 606, CFS-D, CFS-CC
	2	F-A-3007, C-AJ-3095, C-AJ-3334, F-A-3060	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167, W-J-3189	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	
CABLE TRAY (4000-4999)	1	C-AJ-4034, C-AJ-4035	W-J-4027, C-AJ-4034, C-AJ-4035	W-L-4011, W-L-4019, W-L-4081	CFS-BL, FS-ONE MAX, CP 620, CP 618
	2	C-AJ-4034, C-AJ-4035	W-J-4027, C-AJ-4034, C-AJ-4035	W-L-4011, W-L-4019, W-L-4081	
MIXED PENETRANTS (8000-8999)	1	C-AJ-8099, C-AJ-8056, C-AJ-8143	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143	W-L-1095, W-L-8013	FS-ONE MAX, CFS-BL, CP 620, CP 618
	2	C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143, C-AJ-8252	W-L-1095, W-L-8013	

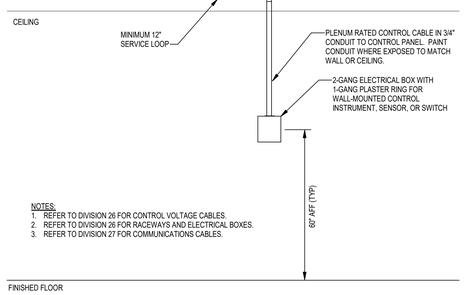
NOTES:

1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURERS: HILTI, RECTORSEAL, 3M, STL.



NOTES:
1. FIELD VERIFY ALL WIRING TERMINATIONS.
2. FIELD VERIFY ALL CONNECTIONS.
3. ELECTRICAL POWER CONNECTIONS TO MOTOR BY DIVISION 26.
4. MOTOR RATED CONTACTOR, AND CONTROL COMPONENTS, AND ASSOCIATED WIRING BY DIVISION 25.

A MOTOR RATED CONTACTOR - WIRING DETAIL



NOTES:
1. REFER TO DIVISION 26 FOR CONTROL VOLTAGE CABLES.
2. REFER TO DIVISION 26 FOR RACEWAYS AND ELECTRICAL BOXES.
3. REFER TO DIVISION 27 FOR COMMUNICATIONS CABLES.

B WALL-MOUNTED CONTROL DEVICE ROUGH-IN

SYMBOLS, NOTES, ABBREVIATIONS, ETC.

IDENTIFICATION LETTERS

	FIRST - LETTER	SUCCEEDING - LETTERS	
	MEASURED OR INITIATING VARIABLE	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION
A	ANALYSIS	ALARM	.
B	BURNER, COMBUSTION	USER'S CHOICE (*)	USER'S CHOICE (*)
C	USER'S CHOICE (*)	.	CONTROL
D	USER'S CHOICE (*)	DIFFERENTIAL	.
E	VOLTAGE	SENSOR (PRIMARY ELEMENT)	.
F	FLOW RATE, FLOW	.	.
G	GAS	GLASS, VIEWING DEVICE	.
H	HAND (MANUAL)	.	.
I	CURRENT (ELECTRICAL)	INDICATE	.
J	POWER	.	.
K	TIME, SCHEDULE	.	.
L	LEVEL	LIGHT (PILOT)	.
M	MOISTURE, HUMIDITY	.	.
N	USER'S CHOICE (*)	USER'S CHOICE (*)	USER'S CHOICE (*)
O	USER'S CHOICE (*)	ORIFICE, RESTRICTION	.
P	PRESSURE, VACUUM	POINT (TEST) CONNECTION	.
Q	QUANTITY	INTEGRATE / TOTALIZE	.
R	RADIATION	RECORD	.
S	SPEED, FREQUENCY	.	SWITCH
T	TEMPERATURE	.	TRANSMIT
U	MULTIVARIABLE	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECHANICAL ANALYSIS	.	VALVE, DAMPER, LOUVER
W	WEIGHT, FORCE	WELL, PROBE	.
X	SMOKE, FIRE	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE, OR PRESENCE	.	RELAY, COMPUTE, CONVERT
Z	POSITION, DIMENSION	.	DRIVER, ACTUATOR, UNCLASS - IFIED FINAL CONTROL ELEMENT

(*) WHEN USED, EXPLANATION IS SHOWN ADJACENT TO INSTRUMENT SYMBOL.

GENERAL INSTRUMENT / FUNCTION SYMBOLS

CONTROL DEVICE / INSTRUMENT

(XX ##) YY

XX = VARIABLE OR FUNCTION
YY = MODIFIER OR SETPOINT
= INSTRUMENT NUMBER

INPUT / OUTPUT PARAMETER

(XY)

X = ANALOG (A) OR DIGITAL (D)
Y = INPUT (I) OR OUTPUT (O)

EXAMPLES:

(TS 01) LOW TEMPERATURE SWITCH

(GTE 01) CO2 GAS TRANSMITTER & ELEMENT FOR CO2

MODIFIERS:

AVG	AVERAGE
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
DPT	DEWPOINT TEMPERATURE
ENT	ENTHALPY
EX	EXISTING
FC	FAIL CLOSED
FO	FAIL OPEN
FTL	FAIL TO LAST POSITION
HIGH	HIGH LIMIT
HUM	RELATIVE HUMIDITY
LOW	LOW LIMIT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
O2	OXYGEN
SCR	SILICONE CONTROLLED RECTIFIER
VOC	VOLATILE ORGANIC COMPOUND
WBT	WET BULB TEMPERATURE

(X) KEY NOTE

SEQUENCE OF OPERATION DEFINITIONS

ENABLE	ALLOW AN OPERATION TO START
START	REQUIRE AN OPERATION TO START
DISABLE	PREVENT AN OPERATION FROM STARTING
STOP	REQUIRE AN OPERATION TO STOP
PROVE	COMMAND EQUALS STATUS
100%	MAXIMUM COMMAND OR FULLY OPEN
0%	MINIMUM COMMAND OR FULLY CLOSED

MECHANICAL COMPONENTS (SHOWN IN DIAGRAMS)

	FAN
	PUMP

ELECTRICAL COMPONENTS & CONTROLLER (SHOWN IN DIAGRAMS)

CNT	MOTOR STARTER (PROVIDED BY OTHERS) - SEE WIRING DETAIL A/C1.1
	RELAY (NORMALLY OPEN)
	RELAY (NORMALLY CLOSED)
	TRANSFORMER
LAN	NETWORK COMMUNICATION LINK TO BAS
M	ELECTRIC MOTOR

AIR DISTRIBUTION

	NEW DUCT

ELECTRICAL AND CONTROL WIRING

	120 VAC WIRING
	24 VAC WIRING
	CONTROL SIGNAL VDC WIRING

PIPING AND FITTINGS

	DOMESTIC HOT WATER RETURN

CONTROL DEVICES (SHOWN ON FLOOR PLANS)

T	ROOM THERMOSTAT/TEMPERATURE SENSOR - SEE DETAIL B/C0.1
H	ROOM HUMIDISTAT/HUMIDITY SENSOR - SEE DETAIL B/C0.1
DDC	DIRECT DIGITAL CONTROL PANEL

MISCELLANEOUS

	1 HOUR FIRE RATED WALL
	2 HOUR FIRE RATED WALL

INSTRUMENTATION AND CONTROL NOTES

1. THE INTENT OF THE INSTRUMENTATION AND CONTROL DRAWINGS IS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH THE SEQUENCE(S) OF OPERATION. THE DIAGRAMS, POINTS LISTS, AND SEQUENCES OF OPERATION INCLUDED HEREIN DESCRIBE THE INTENDED SEQUENCES OF OPERATION FOR SYSTEMS AND MAJOR COMPONENTS BUT DO NOT DEFINE IN DETAIL THE OPERATION OF MINOR COMPONENTS, RELAYS, SWITCHES, WIRING, OR OTHER SMALL DEVICES REQUIRED FOR THE PROPER OPERATION OF THE CONTROL SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS AND/OR WIRING TO ACHIEVE THE SEQUENCE OF OPERATION.
2. PROVIDE ALL CONTROL WIRING, CONDUIT, RELAYS, AND ELECTRICAL WORK REQUIRED AS INTEGRAL PART OF THE INSTRUMENTATION AND CONTROL SYSTEM UNLESS NOTED OTHERWISE. WORK SHALL COMPLY WITH REQUIREMENTS OF DIVISIONS 26, 27, AND 28 DRAWINGS AND SPECIFICATIONS.
3. ALL BAS CONFIGURATIONS (SETPOINTS, TIME DELAYS, RESET LIMITS, TUNING PARAMETERS, ETC) SHALL BE ADJUSTABLE BY THE OPERATOR THROUGH BAS WORKSTATION OR PORTABLE OPERATOR TERMINAL WITHOUT ANY HARDWARE OR SOFTWARE REVISIONS.
4. COORDINATE ALL WORK WITH OTHER TRADES INVOLVED. INTERFACE EQUIPMENT AND WIRING SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
5. COORDINATE BUILDING OCCUPANCY SCHEDULES (OCCUPIED AND UNOCCUPIED) WITH BUILDING OWNER.
6. COORDINATE INSTALLATION LOCATION OF ALL CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO: SENSORS, METERS, SWITCHES, VALVES, DAMPERS, ETC. COORDINATE AND ENSURE CONTROL DEVICES ARE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS, INCLUDING UPSTREAM AND DOWNSTREAM DIAMETERS FOR FLOW METERS, PROPER ORIENTATION TO PREVENT MOISTURE INTRUSION, AND DISTANCES FROM AIR OUTLETS TO ENSURE PROPER TEMPERATURE READINGS.
7. LOCATE THERMOSTATS AND OTHER WALL-MOUNTED CONTROL DEVICES REQUIRING OCCUPANCY MONITORING OR ADJUSTMENT AT AN ELEVATION 4'-0" ABOVE FINISHED FLOOR, IN ACCORDANCE WITH ADA REGULATIONS.
8. IF FIELD ADJUSTMENTS ARE MADE TO THE BAS CONFIGURATIONS DURING FINAL TESTING / VERIFICATION COMMISSIONING, SET THE FACTORY DEFAULT VALUES IN THE CONTROLLERS TO MATCH FINAL VALUES.
9. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE, DAMPER, OR OTHER DEVICE REQUIRING SERVICE IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
10. PROVIDE DUCT ACCESS DOOR AT EACH AIRFLOW MEASURING STATION.
11. CONTROLLED SYSTEMS SHALL AUTOMATICALLY RESET ON EMERGENCY POWER AND RESTORATION OF NORMAL POWER, UNLESS NOTED OTHERWISE. PROVIDE TIME DELAYS ON RESTART, AS NECESSARY, TO STAGGER THE START OF EQUIPMENT SO THAT ALL MOTORS DO NOT ATTEMPT TO START AT THE SAME TIME.
12. SAFETIES SHALL BE HARDWIRED UNLESS NOTED OTHERWISE.
13. WHERE VFD'S ARE LOCATED DIRECTLY UNDER PIPING, PROVIDE GALVANIZED SHEET METAL DRIP SHIELDING AT 18" ABOVE VFD'S SLOPED 1% FROM THE MOUNTING SURFACE TOWARD THE FRONT OF THE DRIVES, AND EXTENDING TO 12" BEYOND EACH DRIVE FACE.

COMMISSIONING NOTES

1. THE BUILDING MECHANICAL SYSTEMS SHALL BE COMMISSIONED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE – ENERGY CONSERVATION, SECTION C408 "SYSTEMS COMMISSIONING".
2. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR PROVIDING THE SERVICES OF AN APPROVED COMMISSIONING PROVIDER FROM ONE OF THE FOLLOWING PROVIDERS:
   1. H2ENGINEERING
   2. MOSES ENGINEERING
   3. MITCHELL GULLEDGE ENGINEERING
3. MECHANICAL SYSTEM TESTING SHALL ENSURE THAT COMPONENTS, EQUIPMENT, SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS ARE CALIBRATED, ADJUSTED, AND OPERATE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. TESTING SHALL INCLUDE ALL MODES AND SEQUENCES OF OPERATION, INCLUDING UNDER FULL-LOAD, PART-LOAD, AND EMERGENCY CONDITIONS.
4. A COMMISSIONING PLAN SHALL BE DEVELOPED BY THE COMMISSIONING PROVIDER AND SHALL INCLUDE THE FOLLOWING ITEMS: (1) A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING, INCLUDING THE PERSONNEL INTENDED TO ACCOMPLISH EACH OF THE ACTIVITIES; (2) A LISTING OF THE SPECIFIC EQUIPMENT, APPLIANCES, OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED; (3) FUNCTIONS TO BE TESTED, INCLUDING BUT NOT LIMITED TO, CALIBRATIONS AND CONTROLS; (4) CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED, INCLUDING BUT NOT LIMITED TO, AFFIRMING WINTER AND SUMMER DESIGN CONDITIONS AND FULL OUTSIDE AIR CONDITIONS; (5) MEASURABLE CRITERIA FOR PERFORMANCE.
5. PRIOR TO PASSING THE FINAL INSPECTIONS, THE COMMISSIONING PROVIDER SHALL PROVIDE EVIDENCE OF SYSTEMS COMMISSIONING AND COMPLETION. A COMPLETED PRELIMINARY REPORT THE COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE PROVIDED TO THE OWNER, CERTIFIED BY THE COMMISSIONING PROVIDER. THE REPORT SHALL BE IDENTIFIED AS "PRELIMINARY COMMISSIONING REPORT" AND SHALL IDENTIFY: (1) ITEMIZATION OF DEFICIENCIES FOUND DURING TESTING THAT HAVE NOT BEEN CORRECTED AT THE TIME OF THE REPORT PREPARATION; (2) DEFERRED TESTS THAT CANNOT BE PERFORMED DUE TO CLIMATIC CONDITIONS; AND (3) CLIMATIC CONDITIONS REQUIRED FOR PERFORMANCE OF DEFERRED TESTS. THE PRELIMINARY COMMISSIONING REPORT SHALL BE MADE AVAILABLE TO THE CODE OFFICIAL AT THEIR REQUEST.
6. WITHIN 90 DAYS OF CERTIFICATE OF OCCUPANCY, PROVIDE THE FINAL COMMISSIONING REPORT TO OWNER. THE REPORT SHALL BE IDENTIFIED AS "FINAL COMMISSIONING REPORT" AND SHALL INCLUDE (1) RESULTS OF FUNCTIONAL PERFORMANCE TESTS; (2) DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED; (3) FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS, INCLUDING MEASURED CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY. EXCEPTION: DEFERRED TESTS WHICH CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION FOR CLIMATIC CONDITIONS.
7. HVAC, CONTROLS AND TAB CONTRACTORS SHALL ASSIST WITH COMMISSIONING EFFORTS INCLUDING (NOT LIMITED TO) PERFORMING PRE-TESTING OF FUNCTIONAL PERFORMANCE TEST (TEST CRITERIA PROVIDED BY COMMISSIONING AUTHORITY) PRIOR TO COMMISSIONING AUTHORITY PERFORMING FUNCTION PERFORMANCE TEST VERIFICATION WITH AFOREMENTIONED CONTRACTORS.

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. ASHRAE
   - a. STANDARD 15 — SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019
   - b. STANDARD 55 — THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017
   - c. STANDARD 62.1 — VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019
   - d. STANDARD 90.1 — ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
   - e. STANDARD 170 — VENTILATION OF HEALTH CARE FACILITIES - 2017
2. ASME
   - a. ASME A17.1 — SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019
3. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).
4. NATIONAL FIRE CODES
   - a. NFPA 1 — FIRE CODE - 2021 (FLORIDA EDITION)
   - b. NFPA 13 — STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM - 2019
   - c. NFPA 25 — STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS - 2020
   - d. NFPA 70 — NATIONAL ELECTRICAL CODE - 2020
   - e. NFPA 72 — NATIONAL FIRE ALARM AND SIGNALING CODE - 2019
   - f. NFPA 90A — STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS - 2021
   - g. NFPA 90B — STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS - 2021
   - h. NFPA 91 — STANDARD FOR THE INSTALLATION OF BLOWER AND EXHAUST SYSTEMS - 2020
   - i. NFPA 101 — LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
5. FLORIDA BUILDING CODE, 2023 8TH EDITION
   - a. BUILDING CODE
   - b. ENERGY CONSERVATION CODE
   - c. MECHANICAL CODE
   - d. PLUMBING CODE
   - e. ACCESSIBILITY CODE
6. FLORIDA STATUTES
   - a. CHAPTER 471 — ENGINEERING
   - b. CHAPTER 533.80 — BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
7. FLORIDA ADMINISTRATIVE CODE
   - a. CHAPTER 9B-7 — FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS
   - b. CHAPTER 61C-5 — FLORIDA ELEVATOR SAFETY CODE
   - c. CHAPTER 61G15-34 — RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
   - d. CHAPTER 69A-3 — FIRE PREVENTION - GENERAL PROVISIONS
   - e. CHAPTER 69A-47 — UNIFORM FIRE SAFETY STANDARDS FOR ELEVATORS
   - f. CHAPTER 69A-60 — THE FLORIDA FIRE PREVENTION CODE

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.

THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS.
2. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES.
6. WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7. ERECT AND MAINTAIN REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8. COORDINATE AND SEQUENCE DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EQUIPMENT AND MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
16. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
17. ROOF MOUNTED EQUIPMENT SHALL BE SECURED TO STRUCTURE TO RESIST A 130 MPH WIND LOAD.
18. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
19. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
20. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
21. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
22. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	LAN	LOCAL AREA NETWORK
AHAP	AS HIGH AS POSSIBLE	N/A	NOT APPLICABLE
CU	CONDENSING UNIT	OA	OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROL PANEL	P	PUMP
DSSI	DUCTLESS SPLIT SYSTEM INDOOR UNIT	RA	RETURN AIR
DSSO	DUCTLESS SPLIT SYSTEM OUTDOOR UNIT	RPM	REVOLUTIONS PER MINUTE
EA	EXHAUST AIR	SA	SUPPLY AIR
EF	EXHAUST FAN	SQ FT	SQUARE FEET
°Fdb	DEGREES FAHRENHEIT DRY BULB	TYP	TYPICAL
°Fwb	DEGREES FAHRENHEIT WET BULB	UNO	UNLESS NOTED OTHERWISE
FPM	FEET PER MINUTE	V	VALVE
FSD	COMBINATION FIRE/SMOKE DAMPER	WG	WATER GAUGE
FT	FEET		

DRAWING INDEX

MC0.1	GENERAL NOTES, LEGENDS & SCHEDULES
MC1.1	YOUTH LEARNING CENTER - 1ST FLOOR PLAN
MC1.2	YOUTH LEARNING CENTER - 2ND FLOOR PLAN
MC1.5	YOUTH LEARNING CENTER - ROOF PLAN
MC2.1	CONTROLS

H2 ENGINEERING
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H2E PROJECT No: 24179

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Florida Registry #1495
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

Clemons,Rutherford, & Associates, Inc.
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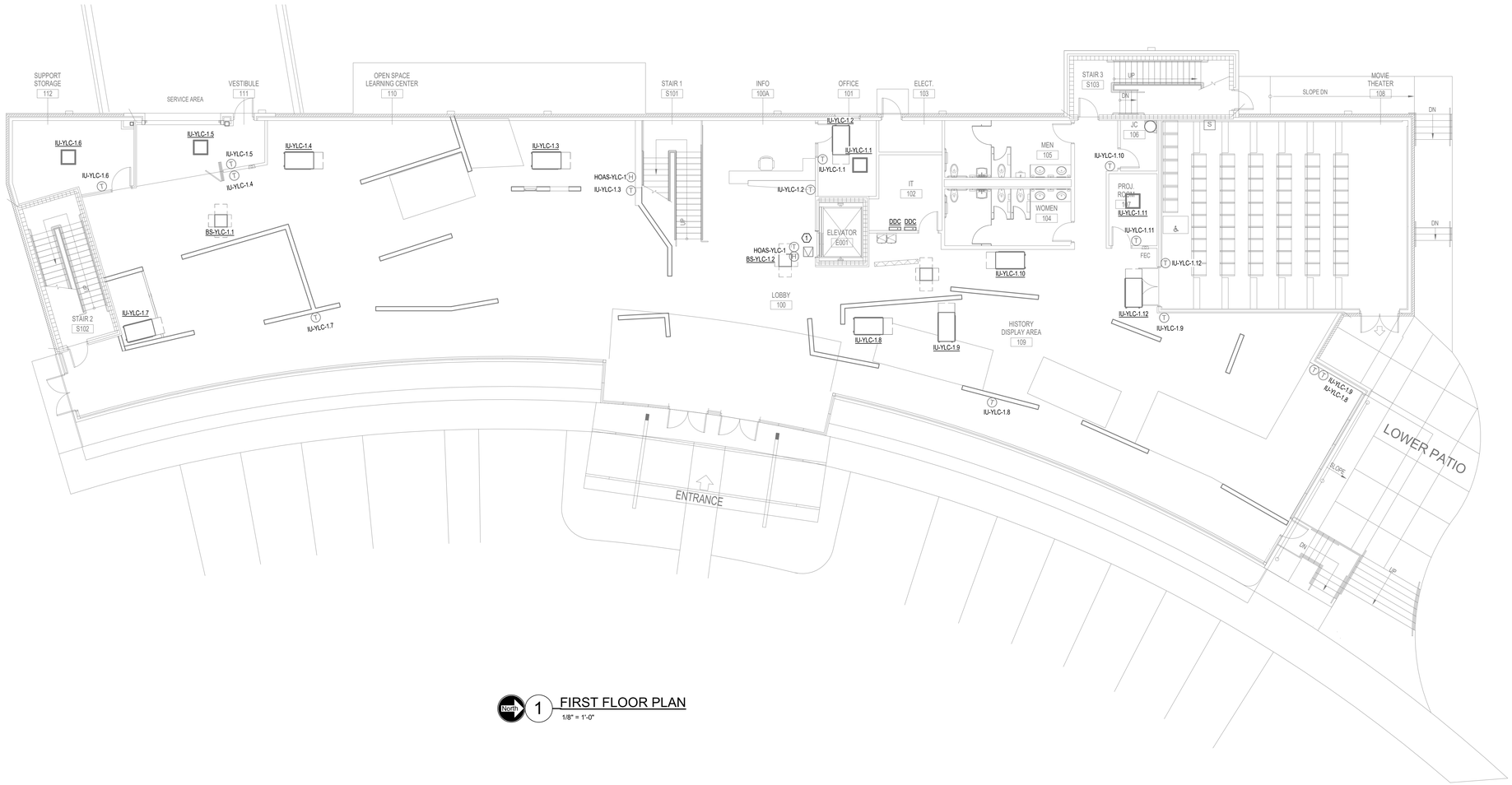
KEYED NOTES:

1. INSTALL TEMPERATURE AND HUMIDITY SENSOR(S) IN SUPPLY DUCT DROP FROM HOAS DUCTWORK IN THIS VICINITY. SEE SHEET M1.5



North 1 FIRST FLOOR PLAN

1/8" = 1'-0"

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

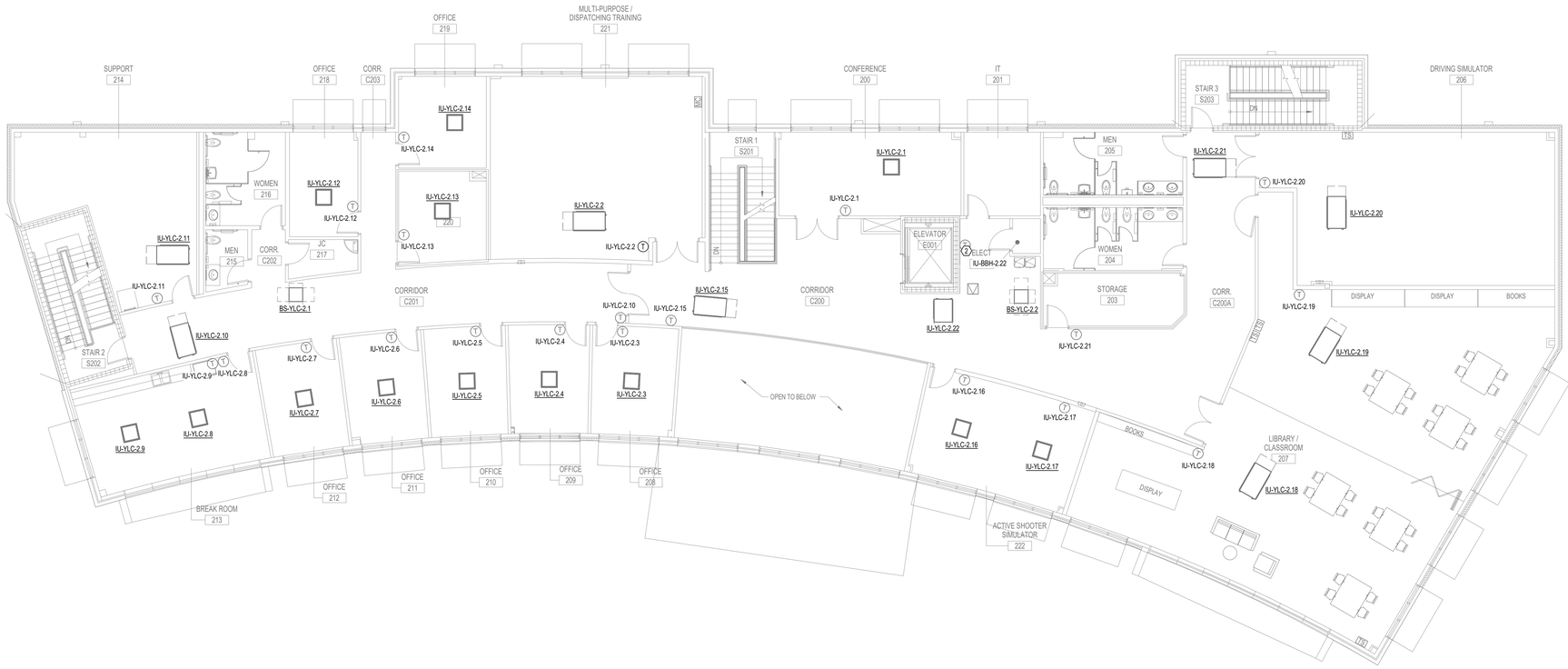
YOUTH LEARNING CENTER - 1ST FLOOR PLAN

MC1.1

Autodesk Docs://24179 Florida Sheriffs Association - Learning Center/24179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
7/17/2025 9:52:20 AM

KEYED NOTES:

(2) MOUNT THERMOSTAT IN RETURN AIR DUCTWORK FROM ELEVATOR SHAFT. SEE SHEET M1.5



North 1 SECOND FLOOR PLAN

1/8" = 1'-0"

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50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

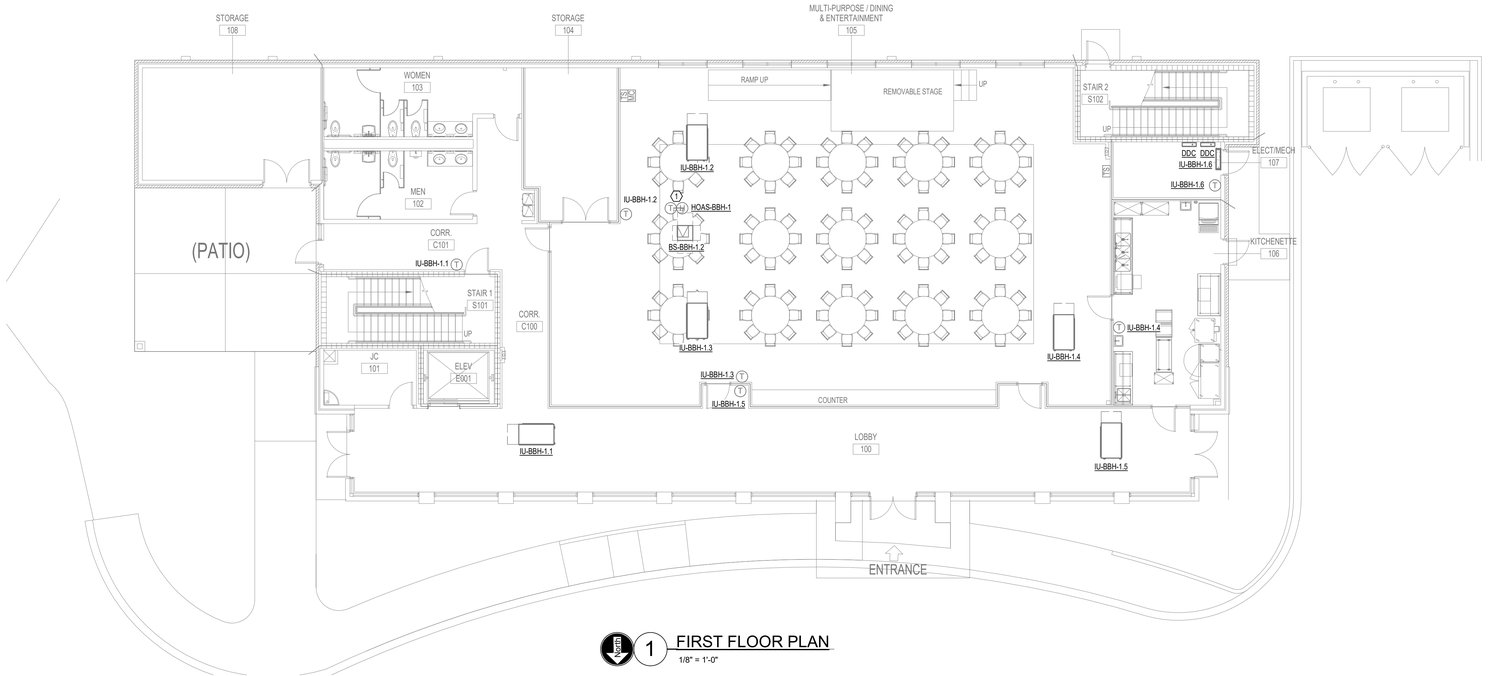
YOUTH LEARNING CENTER - 2ND FLOOR PLAN

MC1.2

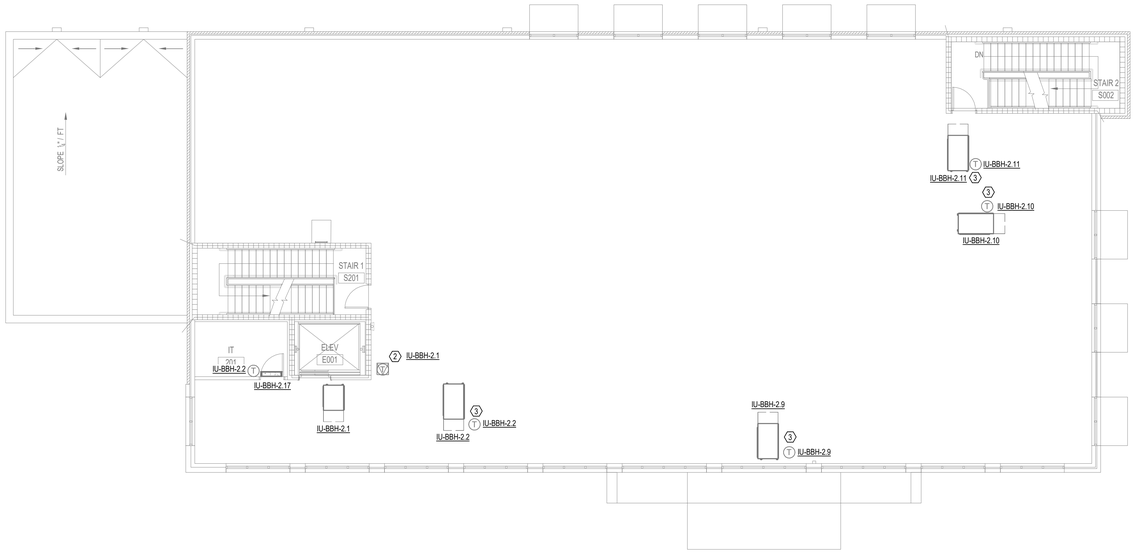
Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center_MEP Central_R24.rvt
7/17/2025 9:52:21 AM

KEYED NOTES:

1. INSTALL TEMPERATURE AND HUMIDITY SENSOR(S) IN SUPPLY DUCT DROP FROM HOAS DUCTWORK IN THIS VICINITY. SEE SHEET M1.5.
2. MOUNT THERMOSTAT IN RETURN AIR DUCTWORK FROM ELEVATOR SHAFT. SEE SHEET M1.2
3. PROVIDE THERMOSTAT WITH FIFTY (50) FEET OF CONTROL CABLE. NEATLY COIL AND LOOSELY STORE THERMOSTAT IN RETURN AIR DUCTWORK FOR FUTURE FINISH OUT.



1 FIRST FLOOR PLAN
1/8" = 1'-0"



2 SECOND FLOOR PLAN
1/8" = 1'-0"

H2E ENGINEERING
114 EAST 5th AVENUE TALLAHASSEE, FL 32303
PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No: 24179

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Florida Registry #1485
Robert D. Richards, P.E. #90648

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

Clemons,Rutherford, & Associates, Inc.

Architects
Planners
Interior Designers
Construction Managers

2027 Thomasville Road
Tallahassee, Florida 32308

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fax 850-386-8420
cra@clemons-rutherford.com

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BUILDING

MC1.3

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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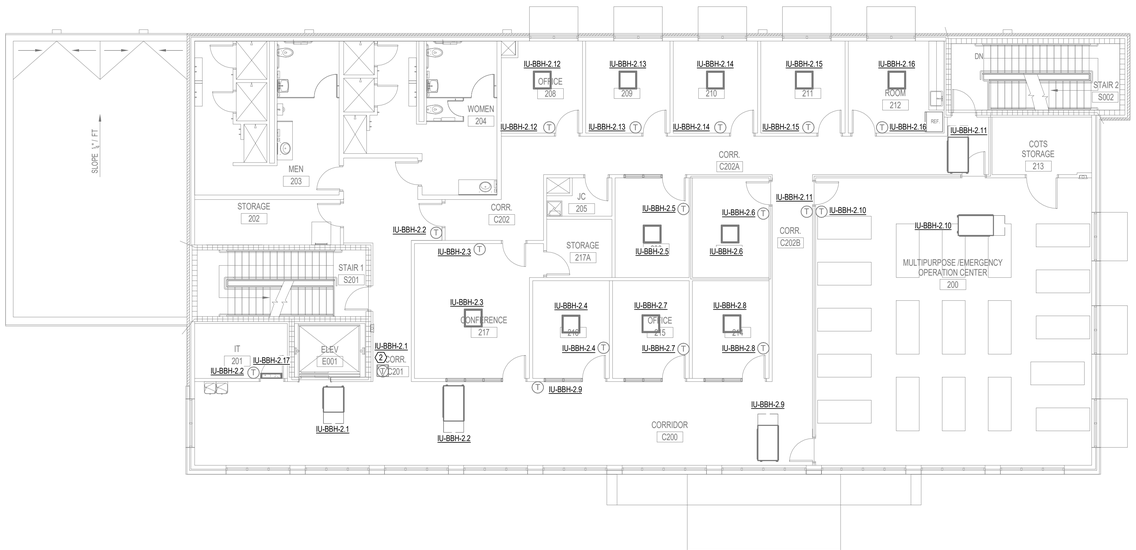
KEYED NOTES:

(2) MOUNT THERMOSTAT IN RETURN AIR DUCTWORK FROM ELEVATOR SHAFT. SEE SHEET M1.5



1 SECOND FLOOR PLAN - ADD ALTERNATE

1/8" = 1'-0"

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	MAW	RDR
50% CD	04-15-25	MAW	RDR
100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT BUILDING - SECOND FLOOR

MC1.3A

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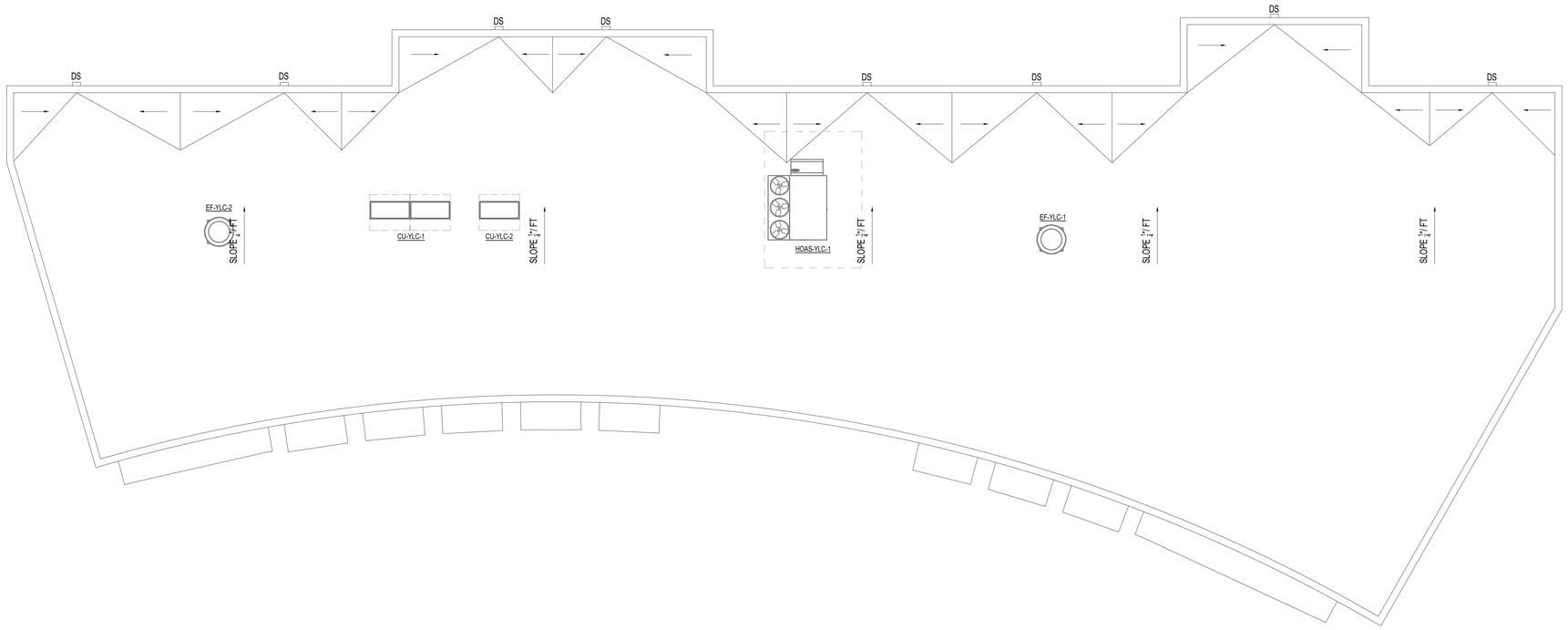

North 1 YOUTH LEARNING CENTER - ROOF PLAN

1/8" = 1'-0"

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Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - ROOF PLAN

MC1.5

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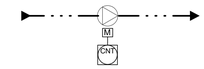
MISCELLANEOUS

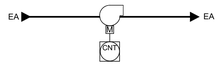


DOMESTIC HOT WATER CIRCULATION PUMPS

HOT WATER CIRCULATION PUMPS (CP-YLC-1)

A. CONTROLLED BY AN AQUASTAT WIRED IN SERIES WITH AN ELECTRONIC, PROGRAMMABLE TIMECLOCK, PROVIDED BY THE PLUMBING CONTRACTOR. PROVIDE AN OCCUPIED TIME SCHEDULE (MON-FRI: 7:00 AM – 6:00 PM / SAT-SUN: OFF). THE CIRCULATION PUMPS SHALL BE CONTROLLED AS FOLLOWS:

1. SCHEDULE OFF: PUMP OFF.
2. SCHEDULE ON / AQUASTAT > 120°F: PUMP OFF.
3. SCHEDULE ON / AQUASTAT < 110°F: PUMP ON.



FANS (EF-YLC-1, 2):

A. START / STOP: START / STOP OF THE EXHAUST FAN SHALL BE CONTROLLED THROUGH A MOTOR CONTACTOR. FAN SHALL BE INTERLOCKED WITH DESIGNATED HOAS UNIT AND OPERATE AS FOLLOWS:

1. EF-YLC-1 AND EF-YLC-2 INTERLOCKED WITH HOAS-YLC-1

A. HOAS ON: FAN(S) ON.
B. HOAS OFF: FAN(S) OFF.

HIGH PERCENTAGE OUTSIDE AIR DX SYSTEM (HOAS-YLC-1)

1. GENERAL
   A. THE HIGH PERCENTAGE OUTSIDE AIR UNIT SHALL BE CONTROLLED BY A SEPARATE, STAND-ALONE APPLICATION SPECIFIC CONTROLLER (ASC) PROVIDED AND CONFIGURED BY THE EQUIPMENT MANUFACTURER. THE ASC SHALL MONITOR AND CONTROL THE UNIT IN A STAND-ALONE MODE.

2. RUN CONDITIONS
   A. TEMPERATURE AND HUMIDITY SET-POINTS:
      1. PROVIDE OCCUPIED TEMPERATURE COOLING (74°F, ADJ) AND HEATING (70°F, ADJ) SET-POINTS. PROVIDE UNOCCUPIED TEMPERATURE COOLING (80°F, ADJ) AND HEATING (65°F, ADJ) SET-POINTS.
      2. PROVIDE AN OCCUPIED HUMIDITY SET-POINT (55%, ADJ), PROVIDE AN UNOCCUPIED HUMIDITY SET-POINT (60%, ADJ).

   B. OCCUPIED MODE: ENABLE THE UNIT BASED ON AN OCCUPIED TIME SCHEDULE (MON-FRI = 7:00 AM – 6:00 PM / SAT – SUN = OFF, ADJ.)
      1. COOLING MODE: IF THE OUTSIDE AIR TEMPERATURE RISES ABOVE THE COOLING ENABLE SET-POINT (75°F, ADJ) PLUS A DEAD-BAND, THEN INITIATE COOLING MODE. DISABLE COOLING MODE IF THE OUTSIDE AIR TEMPERATURE IS BELOW THE COOLING LOCKOUT SET-POINT (50°F, ADJ).
      2. HEATING MODE: IF THE OUTSIDE AIR TEMPERATURE FALLS BELOW THE HEATING ENABLE SET-POINT (55°F, ADJ) MINUS A DEAD-BAND, THEN INITIATE HEATING MODE. DISABLE HEATING MODE IF THE OUTSIDE AIR TEMPERATURE IS ABOVE THE HEATING LOCKOUT SET-POINT (70°F, ADJ).
      3. DEHUMIDIFICATION MODE: IF THE RETURN AIR HUMIDITY RISES ABOVE THE RETURN AIR HUMIDITY SET-POINT (55%, AD), THEN ENABLE DEHUMIDIFICATION MODE.
      4. VENT MODE: IF THE UNIT IS OPERATING IN OCCUPIED MODE AND THERE IS NO DEMAND FOR COOLING, HEATING, OR DEHUMIDIFICATION, THEN INITIATE VENT MODE.

   C. UNOCCUPIED MODE: THE UNIT IS OFF EXCEPT AS FOLLOWS:
      1. TEMPERATURE CONTROL: DURING UNOCCUPIED HOURS, RESET THE COOLING AND HEATING TEMPERATURE SET-POINTS EQUAL TO THE RESPECTIVE UNOCCUPIED TEMPERATURE SET-POINTS. ENABLE COOLING AND HEATING MODES OF OPERATION TO MAINTAIN THE UNOCCUPIED TEMPERATURE SET-POINTS.
      2. HUMIDITY CONTROL: DURING UNOCCUPIED HOURS, RESET THE DEHUMIDIFICATION SET-POINT TO UNOCCUPIED SET-POINT. IF THE SPACE HUMIDITY RISES ABOVE SET-POINT, THEN INITIATE DEHUMIDIFICATION MODE UNTIL SPACE HUMIDITY IS BELOW SET-POINT MINUS A DEAD-BAND.
      3. TENANT OVERRIDE: IF THE OVERRIDE BUTTON IS ACTIVATED AT THE SPACE SENSOR, THEN INITIATE AN OCCUPIED MODE OF OPERATION FOR A MINIMUM TIME DELAY (2 HOURS, ADJ).

3. SUPPLY FAN
   A. OCCUPIED MODE: THE SUPPLY FAN OPERATES CONTINUOUSLY . PROGRAM A MINIMUM SPEED (30%) AND A RAMP TIME (60 SEC) INTO THE AFD.
   B. UNOCCUPIED MODE: THE SUPPLY FAN IS OFF UNLESS THERE IS A CALL FOR ANY MODE.

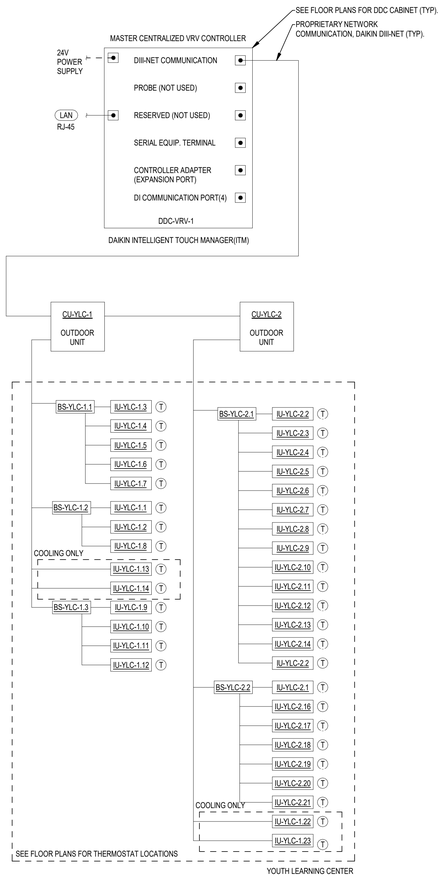
4. ECONOMIZER DAMPER
   A. OCCUPIED MODE: MODULATE DAMPER TO MAINTAIN AN OUTSIDE AIRFLOW SET-POINT. SEE MECHANICAL SCHEDULES.
   B. UNOCCUPIED MODE: CLOSE DAMPER.

5. COMPRESSORS
   A. SUPPLY FAN OFF: COMPRESSORS OFF.
   B. COOLING MODE: STAGE/MODULATE COMPRESSORS IN SEQUENCE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SET-POINT (54°F, ADJ).SEE MECHANICAL SCHEDULES.
   C. HEATING MODE: COMPRESSORS OFF.
   D. DEHUMIDIFICATION MODE: STAGE/MODULATE COMPRESSORS IN SEQUENCE TO MAINTAIN THE EVAPORATOR COIL SUCTION TEMPERATURE SET-POINT (52°F, ADJ).
   E. VENT MODE: COMPRESSORS OFF.
   F. COMPRESSOR SEQUENCING:
      1. COMPRESSOR ADD: IF THE VARIABLE SPEED COMPRESSOR IS OPERATING AT MAXIMUM SPEED AND THE TEMPERATURE IS ABOVE OR BELOW SETPOINT (BASED ON OPERATING MODE), THEN STAGE THE LAG COMPRESSOR ON. MODULATE THE VARIABLE SPEED COMPRESSOR TO MAINTAIN THE TEMPERATURE SETPOINT.
      2. COMPRESSOR SUBTRACT: IF MORE THAN ONE COMPRESSOR IS OPERATING, THE VARIABLE SPEED COMPRESSOR IS AT MINIMUM SPEED, AND THE TEMPERATURE IS ABOVE OR BELOW SETPOINT (BASED ON OPERATING MODE), THEN STAGE THE LAG COMPRESSOR OFF. MODULATE THE VARIABLE SPEED COMPRESSOR TO MAINTAIN THE TEMPERATURE SETPOINT.

6. HOT GAS REHEAT VALVE
   A. SUPPLY FAN OFF: HOT GAS REHEAT VALVE CLOSED.
   B. DEHUMIDIFICATION MODE: MODULATE HOT GAS REHEAT VALVE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SET-POINT (70°F, ADJ).
   C. ALL OTHER MODES: HOT GAS REHEAT VALVE CLOSED.

7. ELECTRIC HEAT
   A. SUPPLY FAN OFF: HEATER OFF.
   B. HEATING MODE: MODULATE ELECTRIC HEAT TO MAINTAIN THE SUPPLY AIR TEMPERATURE SET-POINT (70°F, ADJ).
   C. ALL OTHER MODES: HEATER OFF.

VARIABLE REFRIGERANT VOLUME



VARIABLE REFRIGERANT VOLUME (VRV) SYSTEMS:

1. GENERAL
   A. VRV SYSTEMS SHALL BE CONTROLLED BY SEPARATE, STAND-ALONE, APPLICATION SPECIFIC CONTROLLERS (ASC) PROVIDED AND CONFIGURED BY THE EQUIPMENT MANUFACTURER TO OPERATE AND CONTROL THE SYSTEMS IN STAND-ALONE MODE.

2. OPERATING CONDITIONS
   A. VRV SYSTEMS SHALL OPERATE PER THE OWNER'S OCCUPIED/UNOCCUPIED SCHEDULE. COORDINATE SCHEDULE WITH OWNER.
   B. VRV FAN AND COIL UNITS SHALL BE CONTROLLED BY 7-DAY PROGRAMMABLE THERMOSTATS LOCATED AS INDICATED ON THE CONTROLS DRAWINGS. SET TEMPERATURES AS FOLLOWS:
      1. OCCUPIED MODE:
         A. COOLING: 74 DEGREES F.
         B. HEATING: 70 DEGREES F.
      2. UNOCCUPIED MODE:
         A. COOLING: 78 DEGREES F.
         B. HEATING: 68 DEGREES F.

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100% CD	07-18-25	MAW	RDR

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
CONTROLS

MC2.1

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RESPONSIBILITY MATRIX FOR ELECTRONIC SAFETY AND SECURITY

AREA OF WORK / CATEGORY OF EQUIPMENT	FURNISHED BY					INSTALLED BY					
NOTE: THIS MATRIX IS INTENDED TO INDICATE A GENERAL LISTING OF THE WORK AND MATERIALS TO BE FURNISHED AND INSTALLED BY THE VARIOUS TRADES FOR COORDINATION PURPOSES ONLY. IT IS NOT INTENDED TO BE ALL INCLUSIVE. EACH TRADE IS RESPONSIBLE FOR FURNISHING AND INSTALLING THEIR RESPECTIVE COMPLETE AND WORKING SYSTEM. REFER TO DRAWINGS AND SPECIFICATIONS FOR THE EXTENT OF WORK INVOLVED.	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	COMMENTS
SECURITY SYSTEMS													
ACCESS CONTROL SYSTEM INTEGRATION HARDWARE AND SOFTWARE					X						X		
ACCESS CONTROL DEVICES (EXCLUDING DOOR HARDWARE)					X						X		
POWER SUPPLIES FOR ACCESS CONTROL DEVICES					X						X		
VIDEO SURVEILLANCE CAMERAS, NVR, INTEGRATION HARDWARE AND SOFTWARE					X						X		
ABOVEGROUND CONDUITS, CABLE TRAYS, BACK BOXES, SLEEVES THRU WALLS AND FLOORS	X							X					
SECURITY SYSTEM NETWORK CABLES AND PATCH CORDS					X						X		INCLUDING UPLINK TO SWITCH
SURGE PROTECTION DEVICES FOR COPPER CABLES TO EXTERIOR MOUNTED SECURITY DEVICES					X						X		
FIRESTOPPING OF SLEEVES AFTER SECURITY CABLES (NON-NETWORK CABLES) ARE PULLED	X							X					
IDENTIFICATION AND LABELING					X						X		
PERMANENT LINK TESTING AND DOCUMENTATION AFTER INSTALLATION					X						X		

RESPONSIBILITY MATRIX FOR FIRE SAFETY AND EMERGENCY COMMUNICATIONS

AREA OF WORK / CATEGORY OF EQUIPMENT	FURNISHED BY					INSTALLED BY					
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FIRE ALARM SYSTEM													
FIRE ALARM CONTROL PANELS, ANNUNCIATORS, INITIATING DEVICES, NOTIFICATION APPLIANCES						X						X	
EMERGENCY RESPONDER RADIO COVERAGE SYSTEM INCLUDING DEVICES, CABLING, TESTING AND CERTIFICATION						X						X	
EMERGENCY RESPONDER RADIO ROOFTOP ANTENNA, GROUND BAR, BONDING TO BUILDING GROUND						X						X	
DIGITAL ALARM COMMUNICATION TRANSMITTERS / RADIO TRANSMITTERS													NOT IN SCOPE
UNDERGROUND CONDUITS, BACKBOXES, HAND HOLES, PULL BOXES						X						X	
ABOVEGROUND CONDUITS, CABLE TRAYS, BACK BOXES, SLEEVES THRU WALLS AND FLOORS						X						X	
SURGE PROTECTION DEVICES FOR EXTERIOR COPPER CABLES						X						X	
FIRE STOPPING OF CONDUITS AND SLEEVES						X						X	
PERMANENT LINK TESTING AND DOCUMENTATION AFTER INSTALLATION						X						X	
IDENTIFICATION AND LABELING						X						X	

RESPONSIBILITY MATRIX FOR TECHNOLOGY AND ELECTRONIC SAFETY

AREA OF WORK / CATEGORY OF EQUIPMENT	FURNISHED BY					INSTALLED BY					
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AUDIO / VISUAL SYSTEM													
CAMPUS CCTV OR CABLE STREAMING SERVICE EQUIPMENT	X						X						
CAMPUS EMERGENCY NOTIFICATION STREAMING TV SERVICE EQUIPMENT	X						X						
RACEWAY SYSTEM, INCLUDING PULL BOXES, CONDUITS, CABLE TRAYS, BACK BOXES, SLEEVES THRU WALLS AND FLOORS		X						X					
FLOOR BOXES, WALL BOXES & POKE THROUGHS INCLUDING ELECTRICAL DEVICES AND EMPTY PLATES TO ACCEPT AUDIO/VISUAL MODULES.		X						X					
AUDIO / VISUAL SYSTEM INTEGRATION HARDWARE AND SOFTWARE				X						X			
FLAT PANEL TELEVISIONS AND INTERACTIVE PANEL DISPLAYS AND MOUNTS	X									X			
AUDIO SYSTEMS ASSOCIATED WITH AV SYSTEM				X						X			
CAMERAS ASSOCIATED WITH AV SYSTEM				X						X			
WIRELESS AND WIRED MICROPHONES ASSOCIATED WITH AV SYSTEM				X						X			
AV RELATED CABLES AND TERMINATIONS (CAT6, HDMI, COAX, XLR, ETC.)				X						X			
AV MODULES, FACEPLATES AND JACKS				X						X			
FIRESTOPPING OF SLEEVES AFTER AV CABLES ARE PULLED				X						X			
IDENTIFICATION AND LABELING				X						X			
PERMANENT LINK TESTING AND DOCUMENTATION AFTER INSTALLATION				X						X			

RESPONSIBILITY MATRIX FOR TELECOMMUNICATIONS

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TELECOMMUNICATIONS													
DIAL TONE SERVICES AND ASSOCIATED RACKS AND EQUIPMENT	X						X						
NETWORK ROUTER	X							X					
NETWORK ACCESS & DISTRIBUTION SWITCHES			X					X					
NETWORK SERVERS, OPERATING SYSTEM SOFTWARE	X							X					
WORKSTATION COMPUTERS, OPERATING SYSTEM SOFTWARE, APPLICATION SOFTWARE, PRINTERS, COPIERS, CUSTOMER PREMISE EQUIPMENT	X						X						
COPPER PATCH CORDS AT WORKSTATION OUTLETS	X						X						
WIRELESS ACCESS POINTS			X					X					
COPPER PATCH CORDS AT PATCH PANELS TO ACCESS SWITCHES			X					X					
ABOVEGROUND AND UNDERGROUND RACEWAY SYSTEM. INCLUDING HAND HOLES, PULL BOXES, CONDUITS, CABLE TRAYS, BACK BOXES, SLEEVES THRU WALLS AND FLOORS		X						X					
FLOOR BOXES, WALL BOXES & POKE THROUGHS & TABLE TOP BOXES AND SERVICE FITTINGS INCLUDING ELECTRICAL DEVICES AND EMPTY PLATES TO ACCEPT TELECOMMUNICATION MODULES.		X						X					
COMMUNICATION BACKBOARDS			X					X					
GROUNDING BUSBARS AND BOND TO BUILDING GROUND			X					X					
RACEWAY SYSTEM GROUNDING, TO ASSURE CONTINUOUS GROUND THROUGHOUT			X					X					
EQUIPMENT RACKS			X					X					
RACK MOUNTED UNINTERRUPTABLE POWER SUPPLIES AND POWER DISTRIBUTION UNITS			X					X					
POPULATED FIBER AND COPPER PATCH PANELS			X					X					
LADDER RACK IN EQUIPMENT & TELECOMMUNICATION ROOMS			X					X					
J-HOOKS PATHWAY FROM WORKSTATION STUB-UP ABOVE CEILING TO CABLE TRAY, TELECOMMUNICATION ROOM, OR CONDUIT PATHWAY PROVIDED BY ELECTRICAL CONTRACTOR			X					X					
BONDING OF RACKS, CABINETS, LADDER RACK AND OTHER TELECOM CONTRACTOR PROVIDED EQUIPMENT TO TELECOM GROUND BUS BAR			X					X					
WORKSTATION OUTLET FACEPLATES AND MODULAR PLUGS			X					X					
HORIZONTAL CABLE BETWEEN WORKSTATION MODULAR PLUG AND PATCH PANEL INCLUDING TERMINATIONS			X					X					
BACKBONE CABLE AND/OR PATCH CORDS BETWEEN EQUIPMENT ROOM DISTRIBUTION SWITCHES OR PATCH PANELS INCLUDING TERMINATIONS			X					X					
BACKBONE CABLE BETWEEN SERVICE PROVIDER DEMARC AND DISTRIBUTION SWITCHES OR PATCH PANELS INCLUDING TERMINATIONS			X					X					
SURGE PROTECTION DEVICES FOR COPPER CABLING TO EXTERIOR DEVICES			X					X					
FIRESTOPPING OF SLEEVES AFTER NETWORK CABLES ARE PULLED			X					X					
IDENTIFICATION AND LABELING			X					X					
PERMANENT LINK TESTING AND DOCUMENTATION AFTER INSTALLATION			X					X					

POWER

	DUPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE - GFCI - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE - 120VOLT, 20AMP, 3 POLE GROUNDING TYPE WITH 2-USB TYPE C CHARGING PORTS, 3.1A CAPACITY. PROVIDE DECORATIVE FACEPLATE TO MATCH OTHER DEVICES IN ROOM. MOUNT 42" AFF UNLESS NOTED OTHERWISE. LEGRAND TR20USBACW OR EQUAL
	DUPLEX RECEPTACLE - ABOVE COUNTERTOP - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 6" ABOVE COUNTERTOP WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE - ABOVE COUNTERTOP - GFCI - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	DUPLEX RECEPTACLE - ABOVE COUNTERTOP - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE WITH 2-USB TYPE C CHARGING PORTS, 3.1A CAPACITY. PROVIDE DECORATIVE FACEPLATE TO MATCH OTHER DEVICES IN ROOM. MOUNT ABOVE COUNTERTOP. LEGRAND TR20USBPDW OR EQUAL.
	DUPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT ON CEILING.
	QUADRAPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	QUADRAPLEX RECEPTACLE - ABOVE COUNTERTOP - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
	QUADRAPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT ON CEILING
	SPECIAL PURPOSE RECEPTACLE - MOUNT 18" AFF UNLESS NOTED OTHERWISE. COORDINATE RECEPTACLE TYPE WITH EQUIPMENT BEING SERVED.
	SINGLE RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF, UNLESS NOTED OTHERWISE.
TV	DUPLEX RECEPTACLE SERVING TV - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 78" AFF (U.N.O.).
	QUADRAPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, FLUSH MOUNTED FLOOR (WALKER #RFB-ASSI TWO RFB-DR/ RAMM)
SPD PT1 / PT2	POKE THROUGH - PT# INDICATES TYPE. REFER TO WALL AND FLOOR BOX SCHEDULE FOR MORE INFORMATION. ELECTRICAL CONTRACTOR TO PROVIDE FLOORBOX AND RACEWAY. SEE TELECOMMUNICATION AND AUDIO/VISUAL DRAWINGS FOR ASSOCIATED RACEWAY REQUIREMENTS.
WB2 SPD / WB1 SPD	WALLBOX. WB# INDICATES TYPE. REFER TO WALL AND FLOOR BOX SCHEDULE FOR MORE INFORMATION. ELECTRICAL CONTRACTOR TO PROVIDE WALLBOX AND RACEWAY. SEE TELECOMMUNICATION AND AUDIO/VISUAL DRAWINGS FOR ASSOCIATED RACEWAY REQUIREMENTS.
XXX-X #	ACCESS CONTROL DOOR IDENTIFIER - ELECTRICAL CONTRACTOR SHALL PROVIDE RACEWAY, COORDINATE WITH SECURITY CONTRACTOR. REFER TO ELECTRONIC SAFETY AND SECURITY SHEETS FOR INFORMATION ON REQUIREMENTS AND RACEWAYS.
S	30A TOGGLE DISCONNECT SWITCH. PROVIDE 1, 2 OR 3 POLE AS NECESSARY TO MATCH CONTROLLED CIRCUIT.
	WIRE IN CONDUIT - CONCEALED IN WALL OR CEILING.
	WIRE IN CONDUIT - EXPOSED
	WIRE IN CONDUIT - CONCEALED IN FLOOR OR UNDERGROUND.
	HOMERUN TO PANEL - ARROW INDICATE NUMBER OF CIRCUITS. SHORT SLASH MARK(S) INDICATE NUMBER OF PHASE CONDUCTORS. LONG SLASH MARK(S) INDICATE NEUTRAL CONDUCTOR(S). LONG SLASH MARK WITH HOOK INDICATES GREEN GROUND WIRE. WHERE NOT SHOWN GROUND WIRE IS STILL REQUIRED IN EACH FEEDER, LIGHTING, RECEPTACLE, AND POWER BRANCH CIRCUIT. NO SLASH MARKS INDICATE 2 CURRENT CARRYING CONDUCTORS AND GROUND WIRE. THERE SHALL BE NO SHARED NEUTRALS BETWEEN MULTIPLE CIRCUITS.
WM	DOUBLE COMPARTMENT, TWO PIECE NON-METALLIC SURFACE RACEWAY RUN HORIZONTALLY AS HIGH AS POSSIBLE.
	ELECTRICAL PANEL - 120/208 VOLT
	ELECTRICAL PANEL - 277/480 VOLT
J	JUNCTION BOX - 4" SQUARE (UNO)
PB	PULL/ BOX W/SCREW COVER (12"x12"x4" DEEP UNO)
	DISCONNECT SWITCH - SEE DRAWING OR MECHANICAL EQUIPMENT SCHEDULE FOR SIZE
PGB	POWER GROUNDING BAR
S	SINGLE-POLE MOTOR RATED TOGGLE SWITCH - 120/277 VOLT, 20 AMP U.N.O.
GAP	GENERATOR REMOTE ANNUNCIATOR PANEL
	EMERGENCY "STOP" PUSH-BUTTON

* EQUIPMENT SIZES WILL BE INDICATED AS FOLLOWS:

STARTER NEMA SIZE (NO # SHOWN FOR DISC SWITCHES) — 1 / 30A / 3P / 3R / NF — AMP RATING & POLE QTY. — NEMA ENCLOSED TYPE — NON-FUSED (AS SHOWN) — FUSED (AS SHOWN) — CIRCUIT BREAKER AMPS (AS SHOWN) — 25AF / 25ACB

FIRE ALARM

NOTE: FIRE ALARM SYSTEM CONTRACTOR SHALL SUBMIT A SEPERATE PERMIT APPLICATION AND PLANS FOR REVIEW.

FACP	FIRE ALARM CONTROL PANEL

ELECTRICAL GENERAL NOTES

1. WIRING SHALL BE COPPER, TYPE THHN/THWN-2 IN RACEWAY UNLESS NOTED OTHERWISE. RIGID ELECTRICAL NON-METALLIC SCHEDULE 40 PVC SHALL BE USED IN SLABS AND BELOW GRADE . RIGID STEEL CONDUIT (RSC) SHALL BE USED WHERE EXPOSED TO PHYSICAL DAMAGE; ELECTRICAL METALLIC TUBING (EMT) MAY BE USED ELSEWHERE WHERE APPROVED BY N.E.C. AND LOCAL CODES. FLEXIBLE METAL CONDUIT (FMC) SHALL BE STEEL AND SHALL BE USED TO CONNECT MOVEABLE EQUIPMENT AND/OR SUBJECT TO VIBRATION; LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LFMC) SHALL BE USED OUTDOORS OR WHERE SUBJECT TO MOISTURE.
2. CONDUIT SHALL BE STRAPPED IN ACCORDANCE WITH REQUIREMENTS OF N.E.C.
3. CONTRACTOR SHALL BOND AND GROUND SYSTEMS AND EQUIPMENT PER ARTICLE 250 OF N.E.C. PROVIDE A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH ARTICLE 250-122 N.E.C. ON ALL RECEPTACLES AND POWER BRANCH CIRCUITS.
4. LIGHTING FIXTURES SHALL BE SECURELY FASTENED AND SUPPORTED PER N.E.C.
5. THE CONTRACTOR SHALL COORDINATE THE CIRCUIT REQUIREMENTS WITH THE MANUFACTURER OF THE ACTUAL EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF WORK. THE CIRCUIT BREAKER, WIRE AND CONDUIT SHALL BE SIZED AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
6. CIRCUIT BREAKERS SHALL BE BOLT-IN TYPE.
7. PROVIDE A LAMINATED PLASTIC NAMEPLATE IDENTIFYING EACH NEW PANELBOARD, MOTOR STARTER AND DISCONNECT SWITCH. LETTERING SHALL BE 1/2" MINIMUM AND SHALL IDENTIFY EQUIPMENT SERVED, FEEDER ORIGINATION AND CIRCUIT NUMBER. SECURE NAMEPLATE WITH SCREWS TO EQUIPMENT TO BE IDENTIFIED. PLASTIC TAPE IS NOT APPROVED.
8. KITCHEN EQUIPMENT AND MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS THAT REQUIRE ELECTRICAL CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH-IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.
9. IN ATTICS AND UNDERFLOOR SPACES CONTAINING EQUIPMENT REQUIRING SERVICING SUCH AS HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT, PROVIDE AT LEAST ONE LIGHTING OUTLET (FIXTURE) CONTAINING A SWITCH OR CONTROLLED BY A WALL SWITCH. AT LEAST ONE POINT OF CONTROL SHALL BE LOCATED AT THE USUAL POINT OF ENTRY TO THESE SPACES. ALSO PROVIDE RECEPTACLE OUTLET(S) AT READILY ACCESSIBLE LOCATION(S) FOR SERVICING THE EQUIPMENT.
10. A 120V/20A GFI RECEPTACLE SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE RECEPTACLE SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25 FT OF THE HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT DISCONNECTING MEANS.
11. DEVICE MOUNTING HEIGHTS INDICATED SHALL BE TO DEVICE CENTER LINE.
12. RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK.
13. EXTERIOR DEVICES SHALL BE WEATHER PROOF ENCLOSURES AND GFI RATED IN ACCORDANCE WITH N.E.C. INSTALLER REQUIRED TO VERIFY PRIOR TO ORDERING MATERIALS.
14. FEEDERS WITHIN ASSEMBLY AND EDUCATIONAL OCCUPANCIES FOR EMERGENCY SYSTEMS, AS DEFINED IN NEC 700, INSTALLED ABOVE GRADE AND WITHIN NON-SPRINKLED, ABOVE CEILING SPACES SHALL BE UL LISTED (FHJR) 2-HOUR RATED, MINERAL INSULATED CABLE WITHIN IMC OR RSC RACEWAY.
15. EACH FEEDER, UNGROUNDED CONDUCTOR, AND GROUNDED CONDUCTOR SHALL BE IDENTIFIED BY PHASE OR LINE AND SYSTEM AT ALL TERMINATION, CONNECTION, AND SPLICE POINTS. IDENTIFICATION MEANS SHALL BE PERMANENTLY POSTED AT EACH PANEL-BOARD OR SIMILAR DISTRIBUTION EQUIPMENT WITH LABEL. LABEL SHALL BE 1/8-INCH THICK PLASTIC WITH BLACK BACKGROUND AND 1/4-INCH HIGH WHITE LETTERS ATTACHED WITH CONTACT TYPE PERMANENT ADHESIVE. SEE FIGURE BELOW FOR TYPICAL LABEL DESIGN.

VOLTAGE 208Y/120V	
PHASE A	BLACK
PHASE B	RED
PHASE C	BLUE
NEUTRAL	WHITE

LIGHTING AND LIGHTING CONTROLS

A / #	LIGHT FIXTURE - LETTER INDICATES FIXTURE TYPE; # INDICATES ZONE, WHERE SHOWN
	LAY-IN, RECESSED OR SURFACE MOUNT TROFFER
EM	SHADING OR "EM" INDICATES FIXTURE PROVIDED WITH EMERGENCY BATTERY
	STRIP FIXTURE
	RECESSED DOWNLIGHT FIXTURE, ROUND OR SQUARE
	SUSPENDED PENDANT FIXTURE
	RECESSED LINEAR FIXTURE
	SURFACE MOUNTED WALL PACK / SCONCE
	EXIT LIGHT FIXTURE - PROVIDE ARROWS WHERE SHOWN. SHADING INDICATES FACE(S) OF EXIT LIGHT (POWERED EXIT SIGNS SHALL BE WIRED "UNSWITCHED")
	EMERGENCY LIGHTING UNIT
	TRACK LIGHTS, BY OTHERS
	POLE MOUNTED FIXTURE
	EXTERIOR POST-TOP OR GROUND MOUNTED FIXTURE
HP	PHOTOCONTROL - WALL MOUNT ELECTRONIC, 120-277V. PROVIDE 1-GANG BOX FOR MOUNTING. INTERMATIC, MODEL# EK43365 OR APPROVED EQUAL.
	DENOTES WALL MOUNTED DEVICE
S	SINGLE-POLE TOGGLE SWITCH - 120/277 VOLT, 20 AMP, MOUNT 48" AFF
S_{3W} S_{4W}	"3W" OR "4W" INDICATES 3-WAY OR 4-WAY CONFIGURED CONTROL DEVICE
S_D	DIMMER SWITCH - 120/277 VOLT, 20 AMP, MOUNT 48" AFF. LUTRON N1000 (UNO)
S_D	DIMMER SWITCH - 120/277 VOLT, 20 AMP, MOUNT 48" AFF (1500 W FOR INCANDESCENT & LOW VOLTAGE)
$D_\#$	DIGITAL DIMMING WALL SWITCH, # INDICATES CONTROLLED ZONES. MOUNT 48" AFF. PROVIDE PRE-ENGRAVED DIM UP & DIM DN BUTTON FOR EACH CONTROLLED ZONE. WATTSTOPPER; LMSW-10x-ENG2 OR APPROVED EQUAL.
D_S	DIMMING OCCUPANCY SENSOR- WALL MOUNTED, LINE VOLTAGE, DUAL TECHNOLOGY. 1-RELAY. 0-10V DIMMING. MOUNT 48" AFF. (WATTSTOPPER DT-311 OR EQUAL.)
$B_\#$	DIGITAL ON/OFF WALL SWITCH, # INDICATES CONTROLLED ZONES. MOUNT 48" AFF. MATCH QUANTITY OF SWITCHES TO NUMBER OF CONTROLLED ZONES; ENGRAVED ON/OFF. WATTSTOPPER; LMSW-10x-ENG1 OR APPROVED EQUAL.
RC #	DIGITAL 10A, ON/OFF/1-10 VOLT DIMMING ROOM CONTROLLER. # INDICATES CONTROLLED ZONE(S). PROVIDE 1 OR 2 RELAYS AS REQUIRED FOR CONTROLLED ZONES. WATTSTOPPER; 110 SERIES OR APPROVED EQUAL.
DRC #	DIGITAL ON/OFF/0-10 VOLT DIMMING, 10A ROOM CONTROLLER - # INDICATES CONTROLLED ZONE(S). PROVIDE 1 OR 2 RELAYS AS REQUIRED FOR CONTROLLED ZONES. WATTSTOPPER; 110 SERIES OR APPROVED EQUAL.
$V_\#$	VACANCY SENSOR - WALL MOUNTED, LINE VOLTAGE, DUAL TECHNOLOGY, # INDICATES QUANTITY OF RELAYS, WHERE OMITTED PROVIDE 1 RELAY. MOUNT 48" AFF. WATTSTOPPER; DW-100/200 OR APPROVED EQUAL.
M	DIGITAL OCCUPANCY SENSOR - CEILING MOUNTED, DUAL TECHNOLOGY. # INDICATES CONTROLLED ZONES. WATTSTOPPER; LMDC-100 OR APPROVED EQUAL.
M	DIGITAL OCCUPANCY SENSOR - WALL/CORNER MOUNTED, DUAL TECHNOLOGY (WATTSTOPPER LMDX-100 OR EQUAL).
M	OCCUPANCY SENSOR - CEILING MOUNTED, LOW VOLTAGE, ULTRASONIC - COVERAGE FOR LONG NARROW APPLICATIONS (WATTSTOPPER; UT-355-3)
TS	10" TOUCHSCREEN LIGHTING CONTROL PAD (B.O.D. CRESTRON; TSW-1060-W-S)
DS	DAYLIGHT SENSOR - CEILING MOUNTED CLOSED LOOP DIMMING. WATTSTOPPPER LMLS-400 OR APPROVED EQUAL.
ELCR # ⚠1	EMERGENCY LIGHTING DIGITAL INPUT INTERFACE MODULE, WITH STATUS LEDS FOR DIMMING APPLICATIONS. PROVIDE 0-10V CONTROL BYPASS. PROVIDE FIRE ALARM CONTACT INTERFACE. # INDICATES CONTROLLED ZONE. SHALL OPERATE IN CONJUNCTION WITH NORMAL LIGHTING ZONE. (WATTSTOPPER LMIN-104 OR APPROVED EQUAL) ⚠1
R1	LIGHTING CONTROL PANEL RELAY DESIGNATION - DENOTED AS R# LETTER INDICATES CONTROL TYPE. # INDICATES ZONE E= EMERGENCY R=RELAY D=DIMMING

GENERAL NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023, THE FLORIDA FIRE PREVENTION CODE, THE NATIONAL ELECTRICAL CODE 2020 EDITION, AND ALL CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
3. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, CONTRACTOR IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF CONTRACTOR PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
4. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH CONTRACTOR WILL BE OBLIGED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON CONTRACTOR'S PART.
5. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH CONTRACTOR'S WORK.
6. CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
7. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
8. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
9. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
10. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. CONTRACTOR SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
11. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
12. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
13. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
14. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE W

MECHANICAL EQUIPMENT SCHEDULE

DESIGNATION	LOCATION	ELECTRICAL VOLTAGE	HP	FLA	MCA	BRANCH CIRCUIT OCPD	BRANCH CIRCUIT PANEL	DISCONNECT / STARTER STARTER SIZE	STARTER TYPE	COIL VOLTAGE	SOLID STATE OVERLOAD W/ HOA SELECTOR RED RUN LIGHT	DISCONNECT	AMP RATING	POLES	OCPD	OCPD RATING	NEMA ENCLOSURE	BY OTHERS	NOTES
HOAS-BBH-1	ROOF	208V / 3PH		103	129	150	MDP						200	3	NONE		TYPE 3R		
CU-BBH-1	ROOF	208V / 3PH		65	81	90	MDP					3	100	3	NONE		TYPE 3R		
CU-BBH-2	ROOF	208V / 3PH		65	81	90	MDP						100	3	NONE		TYPE 3R		
IU-BBH-1.1	LOBBY 100	208V / 1PH		1.2	1.5	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-1.2	MULTI PURPOSE 105	208V / 1PH		7.6	9.5	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-1.3	MULTI PURPOSE 105	208V / 1PH		7.6	9.5	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-1.4	MULTI PURPOSE 105	208V / 1PH		2.7	3.4	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-1.5	LOBBY 100	208V / 1PH		2.3	2.9	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-1.6	CORRIDOR C200	208V / 1PH		0.5	0.6	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.1	CORRIDOR C200	208V / 1PH		1.4	1.8	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.2	CORRIDOR C200	208V / 1PH		1.3	1.6	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.3	CONFERENCE 206	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.4	CORRIDOR C200	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.5	STORAGE 207	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.6	OFFICE 214	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.7	OFFICE 215	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.8	OFFICE 216	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.9	OFFICE 223	208V / 1PH		2.2	2.8	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.10	OFFICE 222	208V / 1PH		2.7	3.4	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.11	OFFICE 221	208V / 1PH		1.1	1.4	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.12	CORRIDOR C200	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.13	BREAK 208	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.14	OFFICE 209	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.15	OFFICE 210	208V / 1PH		0.2	0.3	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.16	OFFICE 211	208V / 1PH		0.3	0.4	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-BBH-2.17	OFFICE 212	208V / 1PH		0.5	0.6	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
BS-BBH-1.1	OFFICE 211	208V / 1PH		0.6	0.8	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
BS-BBH-1.2	OFFICE 212	208V / 1PH		0.5	0.6	15	MDP						30	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
EF-BBH-1	2ND FLOOR RR	120V / 1PH	1/6	4	6	15	LA											X	
EF-BBH-2	2ND FLOOR RR	120V / 1PH	1/6	4	6	15	LA											X	
EWH-BBH-1	JC 101	208V / 1PH		67	83	90	MDP						100	2	NONE		TYPE 1		
CP-BBH-1	JC 101	120V / 1PH	1/6	4	6	15	LA						30	1	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
ELEVATOR	ELEVATOR E001	208V / 3PH	25	75	94	100	1LA						100	3	NONE		TYPE 1		

NOTES:
1 REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.
2 REFER TO INDICATED PANEL SCHEDULE FOR CIRCUIT NUMBER AND INFORMATION.
3 DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE.

MECHANICAL EQUIPMENT SCHEDULE

DESIGNATION	LOCATION	ELECTRICAL VOLTAGE	HP	FLA	MCA	BRANCH CIRCUIT OCPD	BRANCH CIRCUIT PANEL	DISCONNECT / STARTER STARTER SIZE	STARTER TYPE	COIL VOLTAGE	SOLID STATE OVERLOAD W/ HOA SELECTOR RED RUN LIGHT	DISCONNECT	AMP RATING	POLES	OCPD	OCPD RATING	NEMA ENCLOSURE	BY OTHERS	NOTES
HOAS-YLC-1	ROOF	208V / 3PH		199	206	225	MDP						400	3	NONE		TYPE 3R		
CU-YLC-1	ROOF	208V / 3PH		115	144	150	MDP					3	200	3	NONE		TYPE 3R		
CU-YLC-2	ROOF	208V / 3PH		103	129	150	MDP						200	3	NONE		TYPE 3R		
IU-YLC-1.1	LEARNING CENTER 110	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.2	CORRIDOR C100	208V / 1PH		1.4	1.8	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.3	LOBBY 100	208V / 1PH		2.2	2.8	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.4	OFFICE 101	208V / 1PH		2.2	2.8	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.5	CORRIDOR C100	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.6	HISTORY DISPLAY AREA 103	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.7	CORRIDOR C100A	208V / 1PH		8.6	10.7	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.8	CORRIDOR C100A	208V / 1PH		8.6	10.7	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.9	HISTORY DISPLAY AREA 109	208V / 1PH		7.6	9.5	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.10	PROJ ROOM 107	208V / 1PH		0.5	0.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.11	LEARNING CENTER 110	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.12	HISTORY DISPLAY AREA 109	208V / 1PH		2.7	3.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.13	PROJ ROOM 107	208V / 1PH		0.5	0.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-1.14	LEARNING CENTER 110	208V / 1PH		0.5	0.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.1	SUPPORT 214	208V / 1PH		0.5	0.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.2	BREAK ROOM 213	208V / 1PH		2.7	3.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.3	OFFICE 212	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.4	OFFICE 211	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.5	OFFICE 210	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.6	OFFICE 209	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.7	OFFICE 208	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.8	OFFICE 218	208V / 1PH		0.3	0.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.9	OFFICE 219	208V / 1PH		0.3	0.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.10	STORAGE 220	208V / 1PH		1.1	1.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.11	CORRIDOR C201	208V / 1PH		1.3	1.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.12	ACTIVE SHOOTER 221	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.13	CORRIDOR C200	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.14	CONFERENCE 200	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.15	CORRIDOR C200	208V / 1PH		1.4	1.8	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.16	OFFICE 222	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.17	LIBRARY CLASSROOM 207	208V / 1PH		0.2	0.3	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.18	CORRIDOR C200A	208V / 1PH		2.7	3.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.19	CONFERENCE 200	208V / 1PH		1.4	1.8	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.20	CORRIDOR C200	208V / 1PH		2.7	3.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.21	OFFICE 222	208V / 1PH		2.7	3.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.22	LIBRARY CLASSROOM 207	208V / 1PH		0.5	0.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
IU-YLC-2.23	CORRIDOR C200A	208V / 1PH		0.5	0.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
BS-YLC-1.1	CORRIDOR C200	208V / 1PH		0.3	0.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
BS-YLC-1.2	OFFICE 222	208V / 1PH		0.3	0.4	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
BS-YLC-1.3	OFFICE 222	208V / 1PH		0.5	0.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
BS-YLC-2.1	LIBRARY CLASSROOM 207	208V / 1PH		0.5	0.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
BS-YLC-2.2	CORRIDOR C200A	208V / 1PH		0.5	0.6	15	MDP						20	2	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
EF-YLC-1	1ST FLOOR RR	120V / 1PH	1/6	4	6	15	1LA											X	
EF-YLC-2	2ND FLOOR RR	120V / 1PH	1/3	7	9	15	2LA											X	
EWH-YLC1	JC 106	208V / 1PH		14	18	20	MDP						30	2	NONE		TYPE 1		
EWH-YLC-2	JC 218	208V / 1PH		14	18	20	MDP						30	2	NONE		TYPE 1		
CP-YLC-1	JC 218	120V / 1PH	1/6	4	6	15	2LA						20	1	NONE		TYPE 1		TOGGLE SWITCH DISCONNECT
ELEVATOR	ELEVATOR E001	208V / 3PH	25	75	94	100	1LA						100	3	NONE		TYPE 1		

NOTES:
1 REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.
2 REFER TO INDICATED PANEL SCHEDULE FOR CIRCUIT NUMBER AND INFORMATION.
3 DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE.

LIGHTING FIXTURE SCHEDULE

GENERAL NOTES:
1.) CONTRACTOR SHALL COORDINATE FIXTURE TYPE WITH ARCHITECTURAL FINISH SCHEDULE(S). ARCHITECT SHALL CONFIRM FINISH OF ALL FIXTURES IN GUEST/PUBLIC AREAS.
2.) LIGHT FIXTURES DEEMED EQUAL TO THOSE SPECIFIED SHALL BE SUBMITTED FOR APPROVAL IN ACCORDANCE WITH SPECIFICATIONS.
3.) PROVIDE MOUNTING TRIM REQUIRED FOR CEILING TYPE INSTALLED.

TYPE	MANUFACTURER (OR EQUAL)	CATALOG NUMBER	LAMP POWER	LAMP QTY	LUMEN OUTPUT	CRI	COLOR TEMPERATURE	VOLTAGE	DESCRIPTION
A	DAYBRITE	2FPZ45L840-2-DS-UNV-DIM-BSL10LST	36W	LED	4500	80	4000K	120-277V	2' x 2' LED RECESSED. DIE FORMED STEEL HOUSING, WHITE ENAMEL FRAME, 0-10V DIMMING. PROVIDE WITH EMERGENCY BATTERY WHERE INDICATED.
A2	DAYBRITE	2FPZ45L840-2-DS-UNV-DIM-BSL10LST FSK/22	36W	LED	4500	80	4000K	120-277V	2' x 2' LED WITH SURFACE MOUNTING KIT. DIE FORMED STEEL HOUSING, WHITE ENAMEL FRAME, 0-10V DIMMING. PROVIDE WITH EMERGENCY BATTERY WHERE INDICATED.
C	HE WILLIAMS	4DR-TL-L20/840-EM/10W-DIM-UNV-LW-OF-CS	20W	LED	2000	80	4000K	120-277V	4.5" RECESSED LED DOWNLIGHT WITH WHITE REFLECTOR FINISH AND TRIM. DIFFUSED ACRYLIC LENS. WIDE DISTRIBUTION. PROVIDE WITH EMERGENCY BATTERY WHERE INDICATED.
C2	HE WILLIAMS	4DR-TL-L20/840-EM/10W-DIM-UNV-LW-OF-CS-WET/CC	20W	LED	2000	80	4000K	120-277V	4.5" RECESSED LED DOWNLIGHT WITH WHITE REFLECTOR FINISH AND TRIM. DIFFUSED ACRYLIC LENS. WIDE DISTRIBUTION. LISTED FOR WET LOCATIONS. PROVIDE WITH EMERGENCY BATTERY.
C3	HE WILLIAMS	4DR-TL-L20/840-EM/10W-DIM-UNV-FW-OF-BL-WET/CC	20W	LED	2000	80	4000K	120-277V	4.5" RECESSED LED DOWNLIGHT WITH WHITE REFLECTOR FINISH AND TRIM. DIFFUSED ACRYLIC LENS. WIDE DISTRIBUTION. LISTED FOR WET LOCATIONS. PROVIDE WITH EMERGENCY BATTERY.
D	KIRLIN LIGHTING	LSV-12487-2000L-120-41K-37-46-23	26W	LED	2000	80	4000K	120-277V	12" DIAMETER x 4" DEEP, ROUND LED DOWNLIGHT. SURFACE MOUNTED TO CONCRETE CANOPIES.
E	CHLORIDE	ER44RLDU1R / ER44RLDU2R	3W				RED	120-277V	EDGE LIT LED EXIT SIGN WITH RED LETTERS ON EXTRUDED ALUMINUM HOUSING. PROVIDE WITH EMERGENCY BATTERY.
E1	CHLORIDE	CLU-N	2W				RED	120-277V	EDGE LIT LED EXIT SIGN WITH RED LETTERS ON EXTRUDED ALUMINUM HOUSING. PROVIDE WITH EMERGENCY BATTERY.
F	HE WILLIAMS	75R-4-L50/840-EM/10WLP-DIM-UNV	33W	LED	4870	80	4000K	120-277V	4' LENSED LED STRIP FIXTURE WITH ROUND, ACRYLIC LENS. SURFACE MOUNTED OR SUSPENDED. WHERE SUSPENDED MOUNT 10' AFF. PROVIDE WITH EMERGENCY BATTERY WHERE INDICATED.
F2	HE WILLIAMS	75R-4-L25/840-EM/10WLP-DIM-UNV	20W	LED	2500	80	4000K	120-277V	4' LENSED LED STRIP FIXTURE WITH ROUND, ACRYLIC LENS. IN RESTROOMS, SURFACE MOUNT FIXTURE ABOVE MIRRORS. PROVIDE WITH EMERGENCY BATTERY WHERE INDICATED.
F3	HE WILLIAMS	75R-2-L15/840-DIM-UNV	15W	LED	1500	80	4000K	120-277V	2' LENSED LED LINEAR VANITY FIXTURE WITH FROSTED ACRYLIC LENS. SURFACE MOUNTED ABOVE MIRROR IN RESTROOMS.
K	INSIGHT LIGHTING	MX-LO-4000K-U-ASUL-SMS-XX-DIM-TBR-CR	3.5W/FT	LED	444/FT	80	4000K	120-277V	CONTINUOUS WALL-GRAZING FIXTURE FOR EXTERIOR BUILDING SIGNAGE. ASSYMETRIC GRAZE UPLIGHT DISTRIBUTION. SEE PLANS FOR LENGTHS. LISTED FOR WET LOCATIONS. PROVIDE COMPATIBLE REMOTE POWER SUPPLIES.
N	LITHONIA	KBA8-16C-530-40K-SYM-MVOLT-DBLBXD	28W	LED	2348	80	4000K	120-277V	ROUND LED BOLLARD, 8" DIAMETER x 42" TALL. FINISH: TEXTURED BLACK.
P	METEOR	ASIM4-25-408-UNV-SPV-WD-BLK-STD-AD10-EMP-DF-CT	25W	LED	3215	85	3000K	120-277V	5" ROUND PENDANT MOUNT CYLINDER WITH WIDE BEAM ANGLE. 0-10V DIMMING TO 1%. PROVIDE WITH EMERGENCY BATTERY WHERE INDICATED. MOUNT PENDANTS SO THAT THE BOTTOM OF THE CYLINDER IS 6" HIGHER THAN THE BOTTOM OF THE NEARBY TRACK LIGHTING.
T	ERCO	TRACK: 79320.023, 79324.023 HANGING HARDARE: 12532, 12533, 79550, 79555						120V	DUAL-CIRCUIT, SEPARATELY SWITCHABLE TRACK FIXTURE. POWDER-COATED ALUMINUM. PROVIDE TRACK. PROVIDE HANGING HARDWARE.
T2	ERCO	TRACK HEAD: 19009261; LENSES: AC002077 (x40), AC002119 (x6), AC002262 (x8), AC006001 (x6)	23.7W	LED	1211	97	3000K	120V	LED CYLINDRICAL TRACK HEAD FIXTURE. POWDER-COATED ALUMINUM. 270° TILT. 360° ROTATATION. ON-BOARD DIMMING. FINISH: BLACK.
V2	GARDCO	P26-64L-700-NW-G2-AR-2-UNV-BK	133W	LED	18800	70	4000K	120-277V	LED POLE MOUNT AREA LIGHT WITH TYPE 2 DISTRIBUTION ON 25', 5" ROUND STRAIGHT, 7-GA STEEL POLE WITH SQUARE BASE COVER WITH EPA CAPACITY OF 1.5 AT 160 MPH. LISTED FOR WET LOCATIONS. FINISH: BLACK.
V4	GARDCO	P26-64L-700-NW-G2-AR-4-UNV-BK	133W	LED	18800	70	4000K	120-277V	LED POLE MOUNT AREA LIGHT WITH TYPE 4 DISTRIBUTION ON 25', 5" ROUND STRAIGHT, 7-GA STEEL POLE WITH SQUARE BASE COVER WITH EPA CAPACITY OF 1.5 AT 160 MPH. LISTED FOR WET LOCATIONS. FINISH: BLACK.
W	GARDCO	GWM-A07-840-T2-UNV-EC-BK	23W	LED	3652	80	4000K	120-277V	EXTERIOR WALL PACK WITH COMFORT OPTICS AND TYPE 2 DISTRIBUTION. PROVIDE WITH EMERGENCY BATTERY. FINISH: BLACK.
W2	3G LIGHTING	3G-WDZ33S-DI-D15-L15-H90-40K-40D-UNV-DIM-BK-BLV-1C	26W	LED	3000	90	4000K	120-277V	14" TALL, SQUARE EXTERIOR DIRECT/INDIRECT WALL SCONCE WITH 40° UP/DOWN OPTIC DISTRIBUTION. FINISH: BLACK.
Z	DAYBRITE	SF-4-V-C-38A-40-U-SZT-US-EMLED	38W	LED	3800	80	4000K	120-277V	4' SURFACE MOUNTED BI-LEVEL STAIRWELL LIGHTING FIXTURE. 0-10V DIMMING. VANDAL RESISTANT. INTEGRAL ULTRASONIC OCCUPANCY SENSOR, PROGRAMMED FOR LOW LEVEL LIGHTING WHEN SPACE IS UNOCCUPIED AND FULL LIGHT OUTPUT WHEN OCCUPANCY IS DETECTED. LISTED FOR DAMP LOCATIONS. MOUNT 8'-6" AFF U.N.O. PROVIDE WITH EMERGENCY BATTERY.

WALL AND FLOOR BOX SCHEDULE

TYPE	DESCRIPTION	FACEPLATE COVER GANG	COLOR	GANG #1 MODULES QTY	TYPE	MODEL	GANG #2 MODULES QTY	TYPE	MODEL	GANG #3 MODULES QTY	TYPE	MODEL	GANG #4 MODULES QTY	TYPE	MODEL	GANG #5 MODULES QTY	TYPE	MODEL	CONDUITS QTY	SIZE	FOR	TO	MANUFACT	MODEL	NOTES
WB1	WALL BOX	2	WHITE	1	SPD	NSOKPS	1	DATA	P26W NS616W										1	3/4"	POWER	PANEL	HUBBELL	NSAV62M	POWER, DATA
																			1	1"	DATA	ABV CLG		NSAV6C	
WB2	WALL BOX	4	WHITE	1	SPD	NSOKPS	1	SPD	NSOKPS	1	DATA	P26W NS616W	1	BLANK	IMF1W				1	3/4"	POWER	PANEL	HUBBELL	NSAV124M	
																			1	1"	DATA	ABV CLG		NSAV12C	POWER,DATA,AV
																			1	2"	AV	ABV CLG			
PT1	POKE THROUGH	2	BLACK	1	PLATE	S1R6SPM	1	PLATE	S1R6SPK										1	3/4"	POWER	PANEL	HUBBELL	S1R6PTBLK	
				1	SPD	HBL53605A	1	SPD	HBL53605A																POWER
PT2	POKE THROUGH	4	BLACK	2	PLATE	S1R8PSPZ	1	PLATE	FBMPREC	1	PLATE	S1R8CSPL							1	3/4"	POWER	PANEL	HUBBELL	S1R8PT	
				1	SPD	HBL53605A	1	SPD	HBL53605A										1	2"	DATA/AV	ABV CLG		S1R8UNC10	POWER, DATA, AV
																								S1R8CVRBLK	

NOTES:
1 ELECTRICAL CONTRACTOR TO PROVIDE WALL BOX OR FLOOR BOX UNLESS NOTED OTHERWISE. FACEPLATE SHALL MATCH MATERIAL OF OTHER WIRING DEVICES IN SPACE. PROVIDE BLANK FILLER MODULE FOR ALL UNUSED SPACES.
2 TELECOM AND AUDIO/VISUAL CONTRACTOR TO PROVIDE LOW VOLTAGE JACK AND DEVICE AND CABLING.
3 PROVIDE LOW VOLTAGE DIVIDER IN BOXES WITH BOTH SYSTEMS AND 120VAC WIRING.

GENERATOR SCHEDULE

NAME	LOCATION	NAMEPLATE RATING kW	NAMEPLATE RATING kVA	FUNCTION	ELECTRICAL BUS	FUEL TYPE	FUEL RUNTIME HR	ENCLOSURE	CIRCUIT BREAKER #	CIRCUIT BREAKER AMPS	CIRCUIT BREAKER TRIP FUNCTION	JACKET WATER HEATER #	JACKET WATER HEATER kW	JACKET WATER HEATER ELECTRICAL	JACKET WATER HEATER PANEL FEED	BATTERY CHARGER INPUT AMPS	BATTERY CHARGER INPUT ELECTRICAL	BATTERY CHARGER PANEL FEED	ANTI-CONDENSATION HEATER WATTS	ANTI-CONDENSATION HEATER INPUT ELECTRICAL	ANTI-CONDENSATION HEATER PANEL FEED	MANUFACTURER	MODEL
G-1	EXTERIOR	200	250	STAND-BY	208 V / 3 PH - 3W	DIESEL	48	SOUND 2	1	800	TM	1	4	208 V / 1 PH	LA	13	120 V / 1 PH	LA	400	120 V / 1 PH	LA	CATERPILLAR	D200 GC
									2														
									3														

NOTES:
1 PROVIDE REMOTE GENERATOR ANNUNCIATOR PANEL.
2 PROVIDE FUEL TANK FOR 48 HOUR RUNTIME.
3 PROVIDE 1" C. TO EACH TRANSFER SWITCH FOR GENERATOR CONTROLS.

TRANSFER SWITCH SCHEDULE

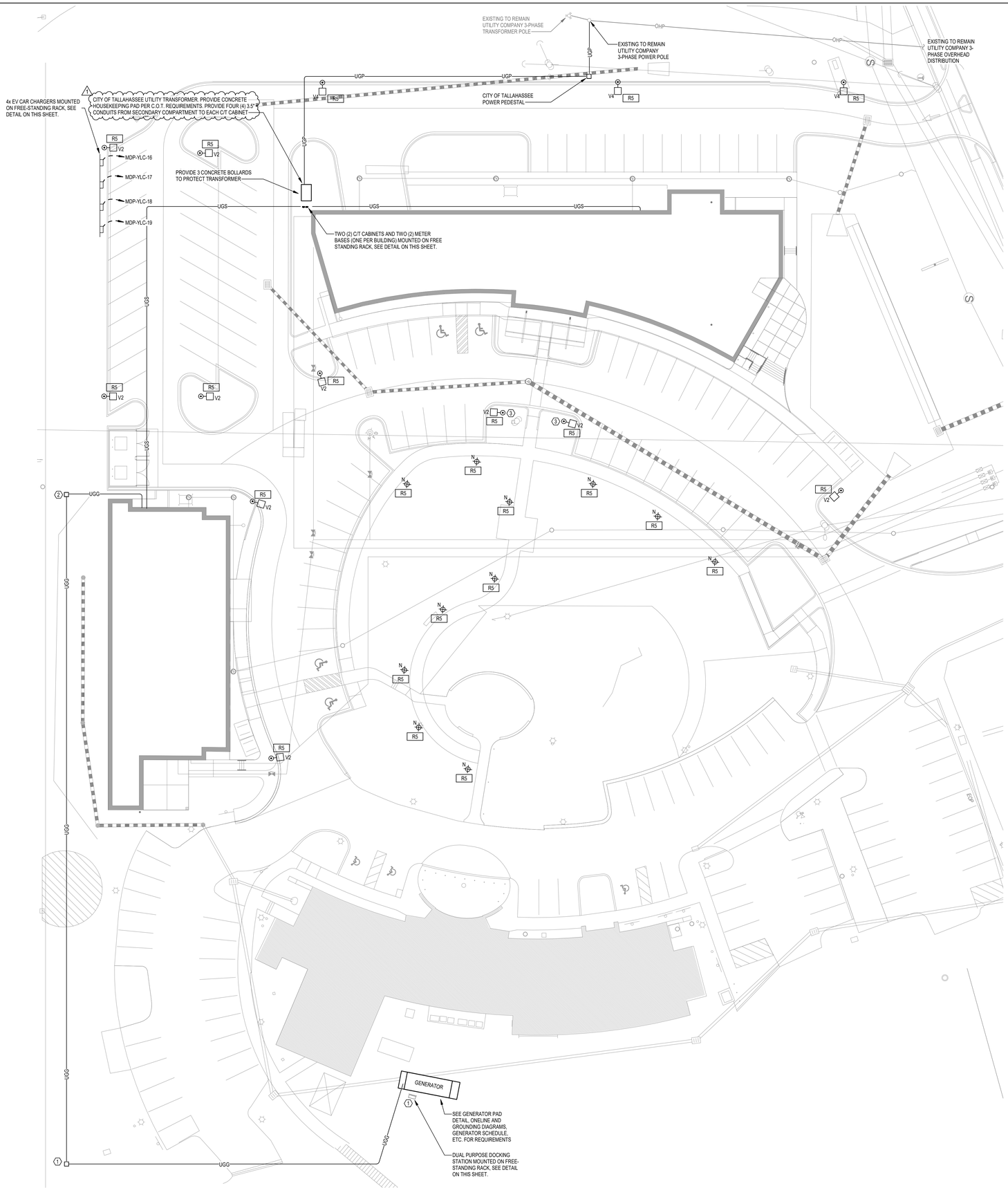
NAME	LOCATION	USE	EMERG SOURCE	NORMAL SOURCE	SUPPLY	RATING (AMPS)	AIC (AMPS)	ELECTRICAL CONFIGURATION	POLES	TRANSITION TYPE	NEMA ENCLOSURE	LOAD PRIORITY	DELAY SETTING (SEC)	MANUFACTURER	MODEL NUMBER	ACCESSORIES
ATS	ELECTRICAL ROOM	OPTIONAL	GEN	UTILITY	MDP	800	22,000	208 V / 3 PH - 3W	3	OPEN	TYPE 1	1	0	ASCO	H-03ATS-A-3-0800-C-GX-C	1, 2, 3, 4

NOTES:
1
2
3

ACCESSORIES:
1 EXTENDED DELAY
2 MODBUS COMMUNICATION BOARD
3 ACCESS CONTACT BOARD
4 SPD

FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ



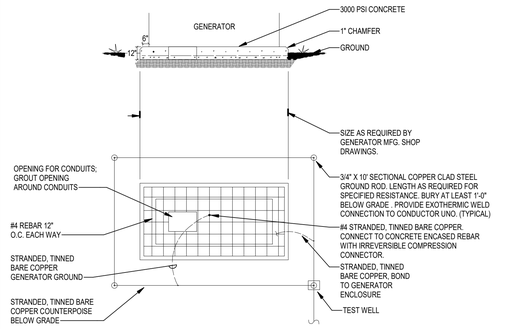
North 1 SITE PLAN
1" = 20'-0"

SITE LEGEND

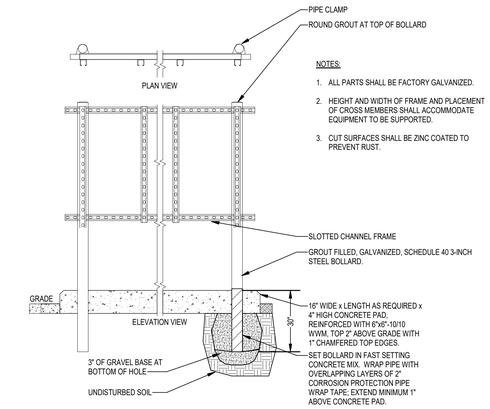
UGS	UNDERGROUND SECONDARY, SEE ONELINE DIAGRAM FOR REQUIREMENTS, ROUTE THROUGH C/T CABINET
UGP	UNDERGROUND PRIMARY, PROVIDE TWO (2) 4" CONDUITS PER UTILITY PROVIDER REQUIREMENTS, CABLING AND TERMINATIONS TO BE PROVIDED BY UTILITY PROVIDER
UGG	UNDERGROUND GENERATOR, INCLUDES, BUT NOT LIMITED TO, FEEDER, START/STOP CIRCUIT, ATS/GAP CONTROL CIRCUIT, GENERATOR ACCESSORIES CIRCUITS, ETC.
OHP	OVERHEAD PRIMARY, EXISTING TO REMAIN

KEYNOTES:

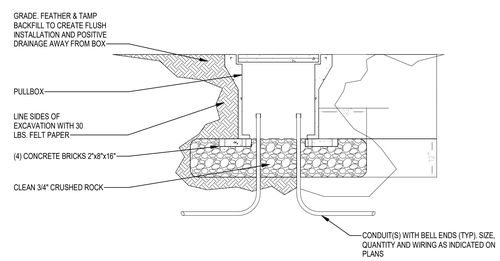
1. DUAL PURPOSE DOCKING STATION, 800A, 120/208V, 3 PHASE, RACK MOUNTED IN A NEMA 3R ENCLOSURE. PERMANENT CONNECTIONS SHALL BE 2-HOLE, LONG BARRELL COMPRESSION LUGS. SEE ONE-LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE NEW 24"x24" CONCRETE HANDHOLE WITH TIER 8 COVER LABELED "ELECTRICAL".
3. CONSTRUCT POLE BASE PER DETAIL 4/E1.1 EXCEPT TOP OF BASE TO BE 8" A.F.G.



A GENERATOR PAD DETAIL N.T.S.



B FREE-STANDING EQUIPMENT SUPPORT FRAME N.T.S.



C UNDERGROUND CONCRETE PULLBOX - TURF AREAS N.T.S.

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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	RESPONSE TO RFI #33	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
SITE PLAN - ELECTRICAL

E1.0

Autodesk Docs://24179 Florida Sheriffs Association - Learning Center/24179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt

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LIGHTING CONTROL PANEL: LCP-MUSEUM

CONTROL TYPE: DIMMING | NUMBER OF RELAYS: 8 | VOLTAGE: 120V | MOUNTING: SURFACE

PANEL NOTES:
1. PROVIDE LIGHTING MANAGEMENT CONTROL PANEL WITH INTERNAL SCHEDULER. WATTSTOPPER LMCP0X-10V OR EQUAL
2. PROVIDE WITH TOUCHSCREEN INTERFACE WITH 6-SCENE CAPABILITY. SEE FLOORPLANS FOR LOCATION.

RELAY	SERVING	LIGHTING CONTROL ZONE #	PANEL FEED	CONTROL WITH ZONE #	NOTES
1	1ST FL MUSEUM PENDANTS - WEST	M1	1LA		0-10V DIMMING.
2	1ST FL MUSEUM PENDANTS - WEST	M2	1LA		0-10V DIMMING.
3	1ST FL MUSEUM PENDANTS - EAST	M3	1LA		0-10V DIMMING.
4	1ST FL MUSEUM PENDANTS - EAST	M4	1LA		0-10V DIMMING.
5					
6					
7					
8					

LIGHTING CONTROL PANEL: LCP-YLC

CONTROL TYPE: DIMMING | NUMBER OF RELAYS: 24 | VOLTAGE: 120V | MOUNTING: SURFACE

PANEL NOTES:
1. PROVIDE LIGHTING MANAGEMENT CONTROL PANEL WITH INTERNAL SCHEDULER. WATTSTOPPER LMCP0X-10V OR EQUAL
2. CORRIDOR LIGHTING SHALL BE TIME-OF-DAY SCHEDULE ON/OFF WITH OCCUPANCY OVERRIDE DURING UNOCCUPIED HOURS. (EXAMPLE: 6AM-6PM ON). COORDINATE WITH OWNER FOR SPECIFIC HOURS OF OPERATION.
3. EXTERIOR LIGHTING SHALL BE SCHEDULED ON/OFF (EXAMPLE: 7PM-10PM & 5AM-7AM ON) WITH PHOTOCELL OVERRIDE

RELAY	SERVING	LIGHTING CONTROL ZONE #	PANEL FEED	CONTROL WITH ZONE #	NOTES
1	1ST FL MUSEUM PENDANTS	R1	1LA	E1	0-10V DIMMING
2	2ND FL CORRIDOR	R2	2LA	E2	
3	2ND FL LIBRARY	R3	2LA	E3	0-10V DIMMING. CONTROL WITH BUTTONS.
4	EXTERIOR	R4	1LA	E4	SUNSET-SUNRISE: ON
5	PARKING LOT	R5	1LA		SUNSET-SUNRISE: ON
6	BUILDING SIGNAGE	R6	1LA		SUNSET-SUNRISE: ON
7	1ST FL MUSEUM PENDANTS	E1	1LA	R1	0-10V DIMMING
8	2ND FL CORRIDOR	E2	2LA	R2	
9	2ND FL LIBRARY	E3	2LA	R3	0-10V DIMMING
10	EXTERIOR	E4	1LA	R4	SUNSET-SUNRISE: ON
11					
12					
13					
14					
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24					

GENERAL NOTES

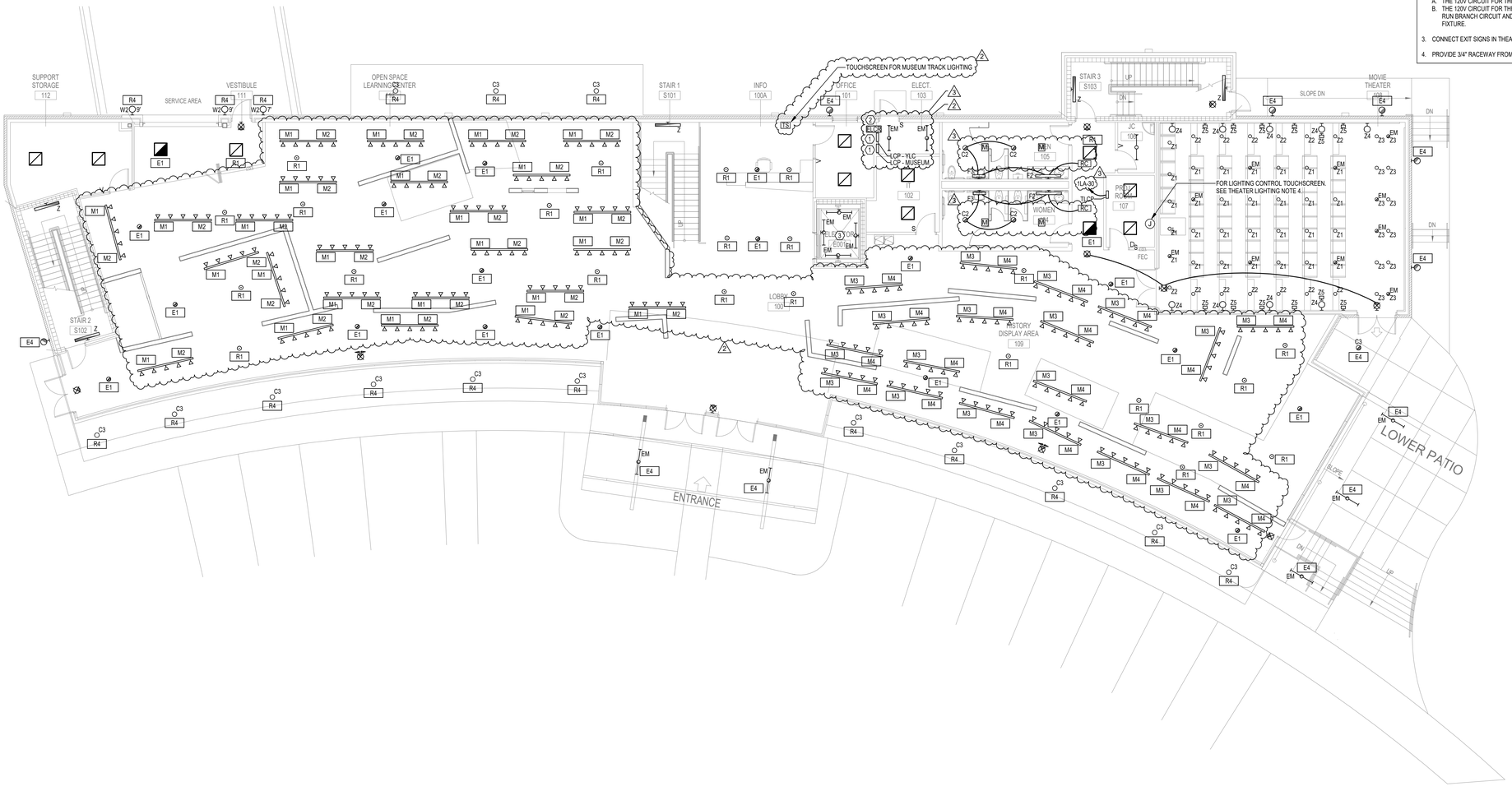
1. ALL 2X2 FIXTURES SHALL BE TYPE 'A' U.N.O.
2. ALL RECESSED DOWNLIGHTS SHALL BE TYPE 'C' U.N.O.
3. ALL EXIT SIGNS SHALL BE TYPE 'E' U.N.O.
4. ALL STRIP FIXTURES SHALL BE TYPE 'F' U.N.O.
5. ALL ROUND PENDANT FIXTURES SHALL BE TYPE 'P' U.N.O. MOUNT PENDANTS SO THAT THE BOTTOM OF THE CYLINDER IS 6" HIGHER THAN THE BOTTOM OF THE NEARBY TRACK LIGHTING. COORDINATE WITH MUSEUM CONSULTANTS FOR TRACK LIGHTING MOUNTING INFORMATION.
6. EXTERIOR WALL PACK FIXTURES SHALL BE TYPE 'W' U.N.O. MOUNT AT 10' AFF U.N.O.
7. ALL TRACK FIXTURES SHALL BE TYPE 'T' AND ALL TRACK HEAD FIXTURES SHALL BE TYPE 'T2', U.N.O.
8. FOR FIXTURES INDICATED TO BE CONTROLLED BY LIGHTING CONTROL PANEL RELAY OR DIMMING MODULE, SEE LIGHTING CONTROL PANEL SCHEDULES FOR CIRCUITING.
9. LOCATION FOR PULL BOXES AND CONTROLLERS (RC, ELCR, ETC.) ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXPOSED LOCATIONS WITH THE ARCHITECT, GENERALLY, LAYOUT SHALL BE NEAT, ORGANIZED, AND IN LINE WITH EXPOSED RACEWAYS AND BUILDING LINES. IN ROOMS/AREAS WITH INACCESSIBLE CEILINGS LOCATE DEVICES IN ADJACENT ACCESSIBLE SPACE OR PROVIDE CEILING ACCESS PANEL: COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT.
10. THE LOCATION OF CEILING AND WALL MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO THE ARCHITECTURAL RCP PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNT DEVICES. WHERE NOT INDICATED ON THE ARCHITECT'S RCP PLAN COORDINATE WITH THE ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH THE ARCHITECT FOR THE FINAL LOCATION OF ALL EXTERIOR AND INTERIOR WALL MOUNT DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF THE CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND, AS A GENERAL RULE, ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING-MOUNTED DEVICES REGARDLESS OF CEILING TYPE. CONTACT THE ARCHITECT/ENGINEER FOR DIRECTIONS PRIOR TO INSTALLATION SHOULD THE LOCATION OF A SPECIFIED DEVICE NOT BE CLEARLY INDICATED.

LIGHTING KEYNOTES

1. LIGHTING CONTROL PANEL AND NETWORK CONTROLLER ENCLOSURE - SEE DETAIL E/E5.1
2. MOUNT ELCR ADJACENT TO LCP IN A NEAT AND ORDERLY FASHION. THERE SHALL BE AN ELCR CORRESPONDING TO EACH RELAY IN USE IN THE LCP. CLEARLY LABEL DEVICE ELCR#-R$ WHERE # CORRESPONDS TO THE LCP NUMBER AND $ CORRESPONDS WITH THE CONTROLLING RELAY. REFER TO DETAIL E/E5.1
3. WALL-MOUNTED LIGHT FIXTURES FOR ELEVATOR PIT. REFER TO DETAIL A/E5.1

THEATER LIGHTING NOTES

1. ALL LIGHTING FIXTURES, LIGHTING CONTROL PANEL, AND TOUCHSCREEN IN THE THEATER AND PROJECTOR ROOM ARE OWNER FURNISHED, CONTRACTOR INSTALLED. COORDINATE EXACT LOCATIONS OF FIXTURES AND EQUIPMENT WITH THEATER CONSULTANT.
2. ROUTE (2) 120V CIRCUITS THROUGH LIGHTING CONTROL PANEL. ONE CIRCUIT FOR LIGHTS (DOWNLIGHTS, WALL SCONCES AND STEP LIGHTS AND ONE CIRCUIT FOR FLOOR BOXES FOR THE UNDER SEAT LIGHTS.
   A. THE 120V CIRCUIT FOR THE FLOOR BOXES SHALL BE A DEDICATED ZONE AND ON/OFF ONLY.
   B. THE 120V CIRCUIT FOR THE LIGHTS SHALL BE SPLIT INTO (5) ZONES AS SHOWN ON THE FLOOR PLAN. RUN BRANCH CIRCUIT AND 0-10V DIMMING WIRES FROM LIGHTING CONTROL PANEL TO EVERY LIGHTING FIXTURE.
3. CONNECT EXIT SIGNS IN THEATER TO UNSWITCHED CIRCUIT AS SHOWN ON THE FLOOR PLAN.
4. PROVIDE 3/4" RACEWAY FROM LIGHTING CONTROL PANEL TO TOUCHSCREEN.



North 1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN - LIGHTING
1/8" = 1'-0"

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H2E PROJECT No: 24179

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Florida Registry #5485
Trey Gossett, P.E. #74534

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	THEATER CHANGES	08/08/25
2	RESPONSE TO RFI #31	9/5/2025
3	RESPONSE TO RFI #32	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER - 1ST FLOOR PLAN - LIGHTING

E1.1

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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LIGHTING CONTROL PANEL: LCP-YLC

CONTROL TYPE: DIMMING NUMBER OF RELAYS: 24 VOLTAGE: 120V MOUNTING: SURFACE

PANEL NOTES:

1. PROVIDE LIGHTING MANAGEMENT CONTROL PANEL WITH INTERNAL SCHEDULER. WATTSTOPPER LMCPXX-10V OR EQUAL
2. CORRIDOR LIGHTING SHALL BE TIME-OF-DAY SCHEDULE ON/OFF WITH OCCUPANCY OVERRIDE DURING UNOCCUPIED HOURS. (EXAMPLE: 6AM-6PM ON). COORDINATE WITH OWNER FOR SPECIFIC HOURS OF OPERATION.
3. EXTERIOR LIGHTING SHALL BE SCHEDULED ON/OFF (EXAMPLE: 7PM-10PM & 5AM-7AM ON) WITH PHOTOCELL OVERRIDE.

RELAY NO.	SERVING	LIGHTING CONTROL ZONE #	PANEL FEED	CONTROL WITH ZONE #	NOTES
1	1ST FL MUSEUM PENDANTS	R1	1LA	E1	0-10V DIMMING
2	2ND FL CORRIDOR	R2	2LA	E2	
3	2ND FL LIBRARY	R3	2LA	E3	0-10V DIMMING. CONTROL WITH BUTTONS.
4	EXTERIOR	R4	1LA	E4	SUNSET-SUNRISE: ON
5	PARKING LOT	R5	1LA		SUNSET-SUNRISE: ON
6	BUILDING SIGNAGE	R6	1LA		SUNSET-SUNRISE: ON
7	1ST FL MUSEUM PENDANTS	E1	1LA	R1	0-10V DIMMING
8	2ND FL CORRIDOR	E2	2LA	R2	
9	2ND FL LIBRARY	E3	2LA	R3	0-10V DIMMING
10	EXTERIOR	E4	1LA	R4	SUNSET-SUNRISE: ON
11					
12					
13					
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23					
24					

1

GENERAL NOTES

1. ALL 2X2 FIXTURES SHALL BE TYPE 'A' U.N.O.
2. ALL RECESSED DOWNLIGHTS SHALL BE TYPE 'C' U.N.O.
3. ALL EXIT SIGNS SHALL BE TYPE 'E' U.N.O.
4. ALL STRIP FIXTURES SHALL BE TYPE 'F' U.N.O.
5. ALL ROUND PENDANT FIXTURES SHALL BE TYPE 'P' U.N.O. MOUNT PENDANTS SO THAT THE BOTTOM OF THE CYLINDER IS 6" HIGHER THAN THE BOTTOM OF THE NEARBY TRACK LIGHTING. COORDINATE WITH MUSEUM CONSULTANTS FOR TRACK LIGHTING MOUNTING INFORMATION.
6. EXTERIOR WALL PACK FIXTURES SHALL BE TYPE 'W' U.N.O. MOUNT AT 10' AFF U.N.O.
7. ALL TRACK FIXTURES SHALL BE TYPE 'T' AND ALL TRACK HEAD FIXTURES SHALL BE TYPE 'TZ', U.N.O.
8. FOR FIXTURES INDICATED TO BE CONTROLLED BY LIGHTING CONTROL PANEL RELAY OR DIMMING MODULE, SEE LIGHTING CONTROL PANEL SCHEDULES FOR CIRCUITING.
9. LOCATION FOR PULL BOXES AND CONTROLLERS (RC, ELCR, ETC.) ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXPOSED LOCATIONS WITH THE ARCHITECT, GENERALLY, LAYOUT SHALL BE NEAT, ORGANIZED, AND IN LINE WITH EXPOSED RACEWAYS AND BUILDING LINES. IN ROOMS/AREAS WITH INACCESSIBLE CEILINGS LOCATE DEVICES IN ADJACENT ACCESSIBLE SPACE OR PROVIDE CEILING ACCESS PANEL: COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT.
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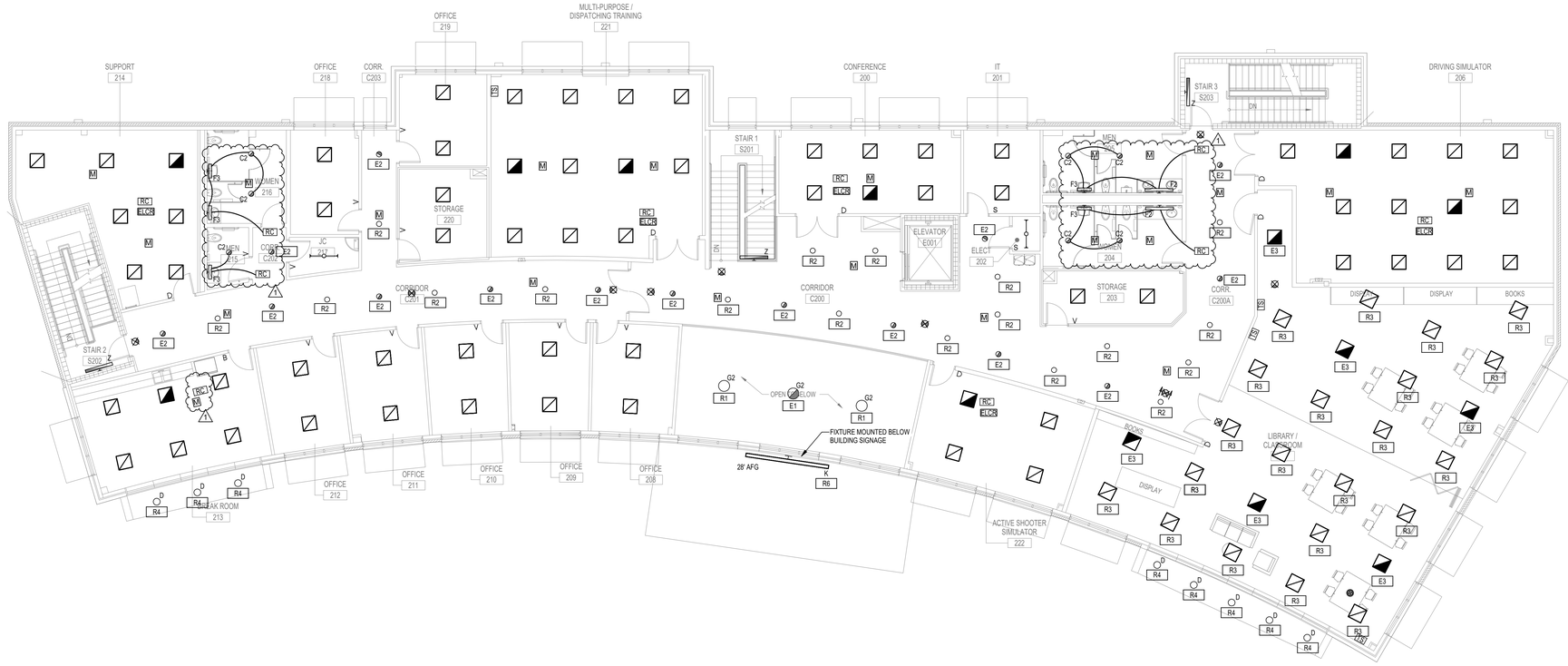
LIGHTING KEYNOTES

1. LIGHTING CONTROL PANEL AND NETWORK CONTROLLER ENCLOSURE - SEE DETAIL E/E5.1
2. MOUNT ELCR ADJACENT TO LCP IN A NEAT AND ORDERLY FASHION. THERE SHALL BE AN ELCR CORRESPONDING TO EACH RELAY IN USE IN THE LCP. CLEARLY LABEL DEVICE ELCR#-R$ WHERE # CORRESPONDS TO THE LCP NUMBER AND $ CORRESPONDS WITH THE CONTROLLING RELAY. REFER TO DETAIL E/E5.1
3. WALL-MOUNTED LIGHT FIXTURES FOR ELEVATOR PIT. REFER TO DETAIL A/E5.1



North 1 YOUTH LEARNING CENTER - SECOND FLOOR PLAN - LIGHTING

1/8" = 1'-0"

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H2E PROJECT No: 24179

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Florida Registry #5485
Trey Gossett, P.E. #74634

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

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Architects
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Interior Designers
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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	RESPONSE TO RFI #32	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 2ND FLOOR PLAN - LIGHTING

E1.2

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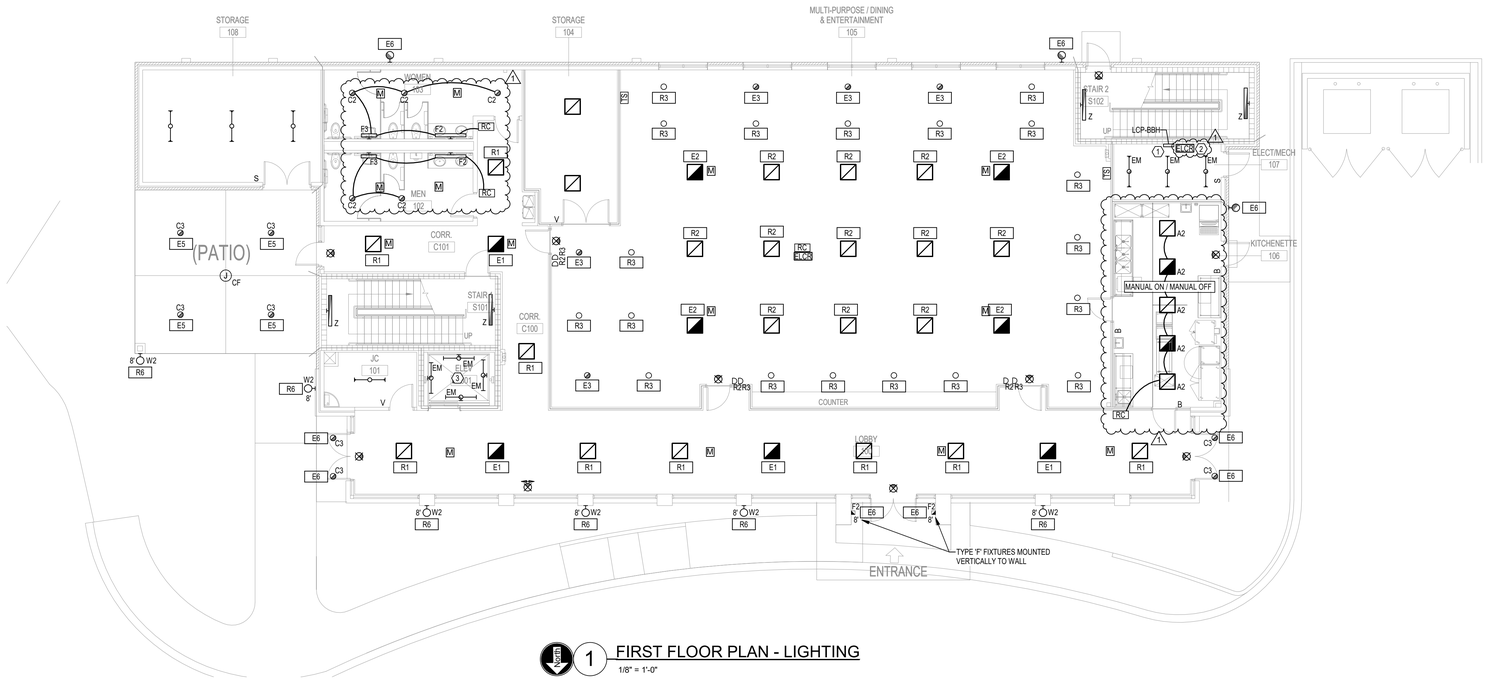
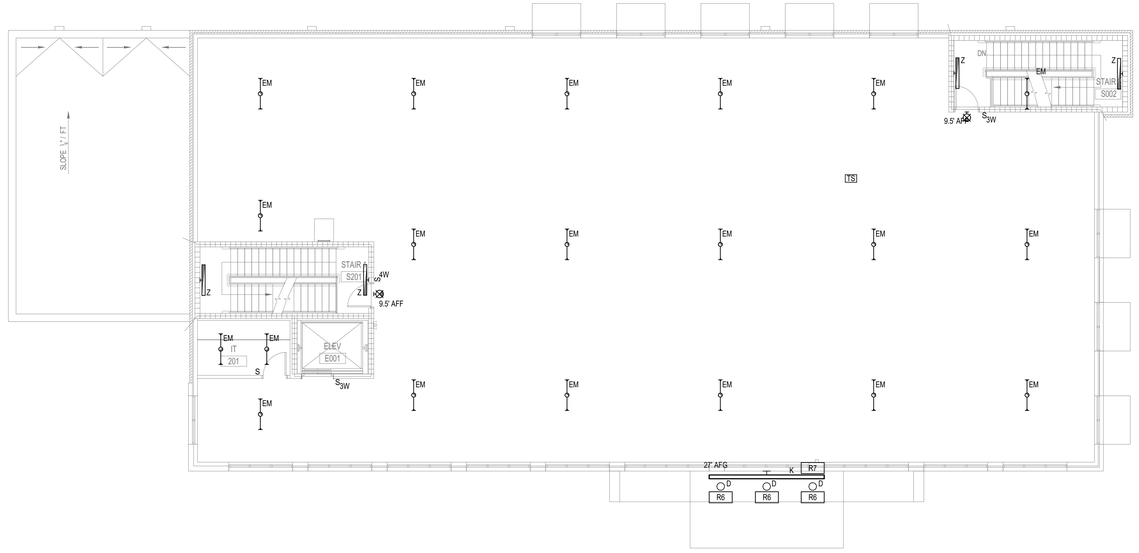


1 FIRST FLOOR PLAN - LIGHTING

1/8" = 1'-0"



2 SECOND FLOOR PLAN - LIGHTING

1/8" = 1'-0"

GENERAL NOTES

1. ALL 2X2 FIXTURES SHALL BE TYPE 'A' U.N.O.
2. ALL RECESSED DOWNLIGHTS SHALL BE TYPE 'C' U.N.O.
3. ALL EXIT SIGNS SHALL BE TYPE 'E' U.N.O.
4. ALL STRIP FIXTURES SHALL BE TYPE 'F' U.N.O.
5. ALL ROUND PENDANT FIXTURES SHALL BE TYPE 'P' U.N.O. MOUNT PENDANTS SO THAT THE BOTTOM OF THE CYLINDER IS 6" HIGHER THAN THE BOTTOM OF THE NEARBY TRACK LIGHTING. COORDINATE WITH MUSEUM CONSULTANTS FOR TRACK LIGHTING MOUNTING INFORMATION.
6. EXTERIOR WALL PACK FIXTURES SHALL BE TYPE 'W' U.N.O. MOUNT AT 10' AFF U.N.O.
7. ALL TRACK FIXTURES SHALL BE TYPE 'T' AND ALL TRACK HEAD FIXTURES SHALL BE TYPE 'T2', U.N.O.
8. FOR FIXTURES INDICATED TO BE CONTROLLED BY LIGHTING CONTROL PANEL RELAY OR DIMMING MODULE, SEE LIGHTING CONTROL PANEL SCHEDULES FOR CIRCUITING.
9. LOCATION FOR PULL BOXES AND CONTROLLERS (RC, ELCR, ETC.) ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXPOSED LOCATIONS WITH THE ARCHITECT, GENERALLY, LAYOUT SHALL BE NEAT, ORGANIZED, AND IN LINE WITH EXPOSED RACEWAYS AND BUILDING LINES. IN ROOMS/AREAS WITH INACCESSIBLE CEILINGS LOCATE DEVICES IN ADJACENT ACCESSIBLE SPACE OR PROVIDE CEILING ACCESS PANEL: COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT.
10. THE LOCATION OF CEILING AND WALL MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO THE ARCHITECTURAL RCP PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNT DEVICES. WHERE NOT INDICATED ON THE ARCHITECT'S RCP PLAN COORDINATE WITH THE ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH THE ARCHITECT FOR THE FINAL LOCATION OF ALL EXTERIOR AND INTERIOR WALL MOUNT DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF THE CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND, AS A GENERAL RULE, ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING-MOUNTED DEVICES REGARDLESS OF CEILING TYPE. CONTACT THE ARCHITECT/ENGINEER FOR DIRECTIONS PRIOR TO INSTALLATION SHOULD THE LOCATION OF A SPECIFIED DEVICE NOT BE CLEARLY INDICATED.

LIGHTING KEYNOTES

1. LIGHTING CONTROL PANEL AND NETWORK CONTROLLER ENCLOSURE - SEE DETAIL E/E5.1
2. MOUNT ELCR ADJACENT TO LCP IN A NEAT AND ORDERLY FASHION. THERE SHALL BE AN ELCR CORRESPONDING TO EACH RELAY IN USE IN THE LCP. CLEARLY LABEL DEVICE ELCR#-R# WHERE # CORRESPONDS TO THE LCP NUMBER AND $ CORRESPONDS WITH THE CONTROLLING RELAY. REFER TO DETAIL E/E5.1
3. WALL-MOUNTED LIGHT FIXTURES FOR ELEVATOR PIT. REFER TO DETAIL A/E5.1

LIGHTING CONTROL PANEL: LCP-BBH

CONTROL TYPE: DIMMING NUMBER OF RELAYS: 24 VOLTAGE: 120V MOUNTING: SURFACE

PANEL NOTES:

1. PROVIDE LIGHTING MANAGEMENT CONTROL PANEL WITH INTERNAL SCHEDULER, WATTSTOPPER LMCPXX-10V OR EQUAL
2. CORRIDOR LIGHTING SHALL BE TIME-OF-DAY SCHEDULE ON/OFF WITH OCCUPANCY OVERRIDE DURING UNOCCUPIED HOURS. (EXAMPLE: 6AM-6PM ON). COORDINATE WITH OWNER FOR SPECIFIC HOURS OF OPRATION.
3. EXTERIOR LIGHTING SHALL BE SCHEDULED ON/OFF (EXAMPLE: 7PM-10PM & 5AM-7AM ON) WITH PHOTOCELL OVERRIDE.

CKT	SERVING	LIGHTING CONTROL ZONE #	PANEL FEED	CONTROL WITH ZONE #	NOTES
1	1ST FL CORRIDOR	R1	LA	E1	
2	1ST FL MULTI-PURPOSE LAY-IN	R2	LA	E2	0-10V DIMMING, CONTROL WITH BUTTONS.
3	1ST FL MULTI-PURPOSE CANS	R3	LA	E3	0-10V DIMMING, CONTROL WITH BUTTONS.
4	2ND FL CORRIDOR	R4	LA	E4	
5	PATIO	R5	LA	E5	SUNSET-SUNRISE: ON
6	EXTERIOR	R6	LA	E6	SUNSET-SUNRISE: ON
7	BUILDING SIGNAGE	R7	LA		SUNSET-SUNRISE: ON
8	1ST FL CORRIDOR	E1	LA	R1	
9	1ST FL MULTI-PURPOSE LAY-IN	E2	LA	R2	0-10V DIMMING, CONTROL WITH BUTTONS.
10	1ST FL MULTI-PURPOSE CANS	E3	LA	R3	0-10V DIMMING, CONTROL WITH BUTTONS.
11	2ND FL CORRIDOR	E4	LA	R4	
12	PATIO	E5	LA	R5	SUNSET-SUNRISE: ON
13	EXTERIOR	E6	LA	R6	SUNSET-SUNRISE: ON
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Trey Gossett, P.E. #74534

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	RESPONSE TO RFI #32	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT BUILDING - LIGHTING

E1.3

Autodesk Docs://24179 Florida Sheriffs Association - Learning Center/24179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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GENERAL NOTES

1. ALL 2X2 FIXTURES SHALL BE TYPE 'A' U.N.O.
2. ALL RECESSED DOWNLIGHTS SHALL BE TYPE 'C' U.N.O.
3. ALL EXIT SIGNS SHALL BE TYPE 'E' U.N.O.
4. ALL STRIP FIXTURES SHALL BE TYPE 'F' U.N.O.
5. ALL ROUND PENDANT FIXTURES SHALL BE TYPE 'P' U.N.O. MOUNT PENDANTS SO THAT THE BOTTOM OF THE CYLINDER IS 6" HIGHER THAN THE BOTTOM OF THE NEARBY TRACK LIGHTING. COORDINATE WITH MUSEUM CONSULTANTS FOR TRACK LIGHTING MOUNTING INFORMATION.
6. EXTERIOR WALL PACK FIXTURES SHALL BE TYPE 'W' U.N.O. MOUNT AT 10' AFF U.N.O.
7. ALL TRACK FIXTURES SHALL BE TYPE 'T' AND ALL TRACK HEAD FIXTURES SHALL BE TYPE 'TZ', U.N.O.
8. FOR FIXTURES INDICATED TO BE CONTROLLED BY LIGHTING CONTROL PANEL RELAY OR DIMMING MODULE, SEE LIGHTING CONTROL PANEL SCHEDULES FOR CIRCUITING.
9. LOCATION FOR PULL BOXES AND CONTROLLERS (RC, ELCR, ETC.) ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. COORDINATE EXPOSED LOCATIONS WITH THE ARCHITECT, GENERALLY, LAYOUT SHALL BE NEAT, ORGANIZED, AND IN LINE WITH EXPOSED RACEWAYS AND BUILDING LINES. IN ROOMS/AREAS WITH INACCESSIBLE CEILINGS LOCATE DEVICES IN ADJACENT ACCESSIBLE SPACE OR PROVIDE CEILING ACCESS PANEL: COORDINATE LOCATION OF ACCESS PANEL WITH ARCHITECT.
10. THE LOCATION OF CEILING AND WALL MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO THE ARCHITECTURAL RCP PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNT DEVICES. WHERE NOT INDICATED ON THE ARCHITECT'S RCP PLAN COORDINATE WITH THE ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH THE ARCHITECT FOR THE FINAL LOCATION OF ALL EXTERIOR AND INTERIOR WALL MOUNT DEVICES. DEVICES SHALL BE INSTALLED IN THE CENTER OF THE CEILING TILES WHERE ACOUSTICAL CEILING SYSTEMS ARE SPECIFIED AND, AS A GENERAL RULE, ON THE SAME CENTERLINES WITH OTHER ADJACENT CEILING-MOUNTED DEVICES REGARDLESS OF CEILING TYPE. CONTACT THE ARCHITECT/ENGINEER FOR DIRECTIONS PRIOR TO INSTALLATION SHOULD THE LOCATION OF A SPECIFIED DEVICE NOT BE CLEARLY INDICATED.

LIGHTING KEYNOTES

1. LIGHTING CONTROL PANEL AND NETWORK CONTROLLER ENCLOSURE - SEE DETAIL E/E5.1
2. MOUNT ELCR ADJACENT TO LCP IN A NEAT AND ORDERLY FASHION. THERE SHALL BE AN ELCR CORRESPONDING TO EACH RELAY IN USE IN THE LCP. CLEARLY LABEL DEVICE ELCR#-R$ WHERE # CORRESPONDS TO THE LCP NUMBER AND $ CORRESPONDS WITH THE CONTROLLING RELAY. REFER TO DETAIL E/E5.1
3. WALL-MOUNTED LIGHT FIXTURES FOR ELEVATOR PIT. REFER TO DETAIL A/E5.1

LIGHTING CONTROL PANEL: LCP-BBH

CONTROL TYPE: DIMMING NUMBER OF RELAYS: 24 VOLTAGE: 120V MOUNTING: SURFACE

PANEL NOTES:

1. PROVIDE LIGHTING MANAGEMENT CONTROL PANEL WITH INTERNAL SCHEDULER, WATTSTOPPER LMCPXX-10V OR EQUAL.
2. CORRIDOR LIGHTING SHALL BE TIME-OF-DAY SCHEDULE ON/OFF WITH OCCUPANCY OVERRIDE DURING UNOCCUPIED HOURS. (EXAMPLE: 6AM-6PM ON). COORDINATE WITH OWNER FOR SPECIFIC HOURS OF OPRATION.
3. EXTERIOR LIGHTING SHALL BE SCHEDULED ON/OFF (EXAMPLE: 7PM-10PM & 5AM-7AM ON) WITH PHOTOCELL OVERRIDE.

RELAY	SERVING	LIGHTING CONTROL ZONE #	PANEL FEED	CONTROL WITH ZONE #	NOTES
1	1ST FL CORRIDOR	R1	LA	E1	
2	1ST FL MULTI-PURPOSE LAY-IN	R2	LA	E2	0-10V DIMMING, CONTROL WITH BUTTONS.
3	1ST FL MULTI-PURPOSE CANS	R3	LA	E3	0-10V DIMMING, CONTROL WITH BUTTONS.
4	2ND FL CORRIDOR	R4	LA	E4	
5	PATIO	R5	LA	E5	SUNSET-SUNRISE: ON
6	EXTERIOR	R6	LA	E6	SUNSET-SUNRISE: ON
7	BUILDING SIGNAGE	R7	LA		SUNSET-SUNRISE: ON
8	1ST FL CORRIDOR	E1	LA	R1	
9	1ST FL MULTI-PURPOSE LAY-IN	E2	LA	R2	0-10V DIMMING, CONTROL WITH BUTTONS.
10	1ST FL MULTI-PURPOSE CANS	E3	LA	R3	0-10V DIMMING, CONTROL WITH BUTTONS.
11	2ND FL CORRIDOR	E4	LA	R4	
12	PATIO	E5	LA	R5	SUNSET-SUNRISE: ON
13	EXTERIOR	E6	LA	R6	SUNSET-SUNRISE: ON
14					
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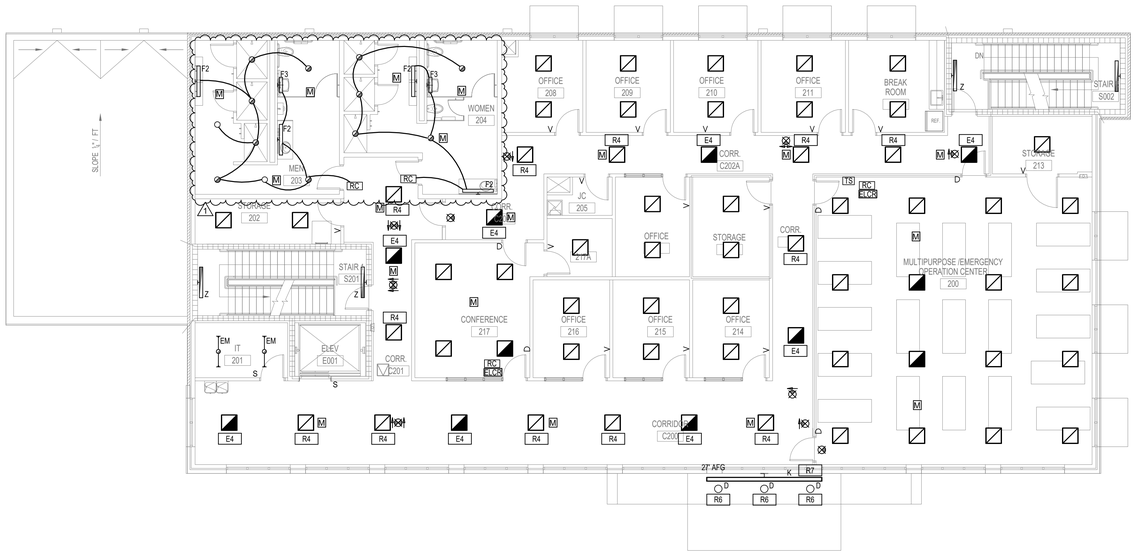

1 SECOND FLOOR PLAN - ADD ALTERNATE - LIGHTING
1/8" = 1'-0"

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H2E PROJECT No: 24179

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Florida Registry #5485
Trey Gossett, P.E. #74634

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25		
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	RESPONSE TO RFI #32	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT - 2ND FLOOR ADD ALT. - LIGHTING

E1.3A

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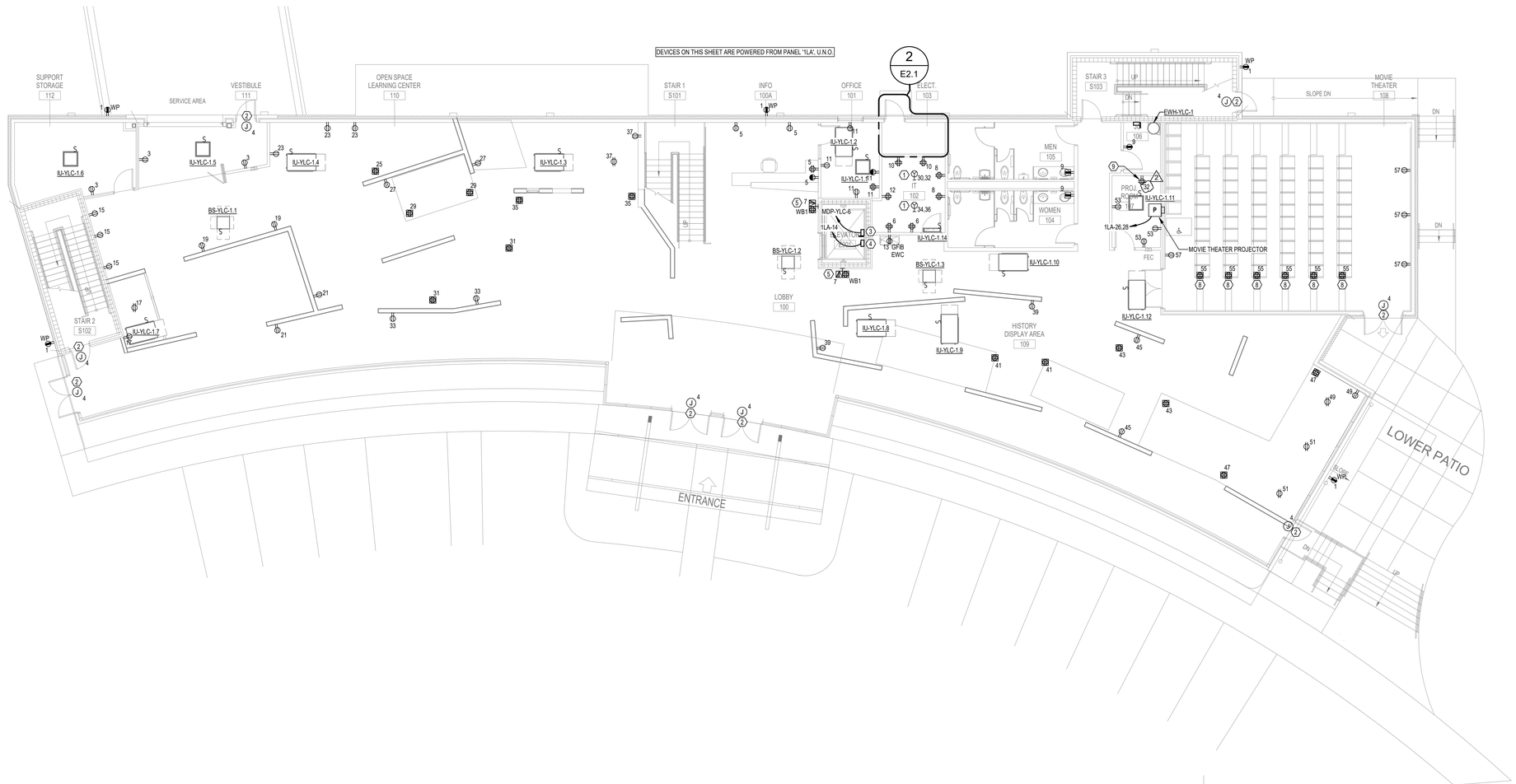
GENERAL NOTES

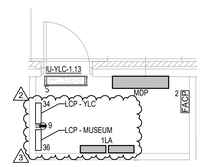
1. DEVICES OUTSIDE OF DWELLING UNITS SHALL BE POWERED FROM PANELS AS DELINEATED BY PANEL DIVISION LINES, U/O. DEVICES ARE LABELED WITH CIRCUIT NUMBERS CORRESPONDING TO THE DESIGNATED PANEL.
2. BACK BOXES AND CONDUITS TO ALL WALL MOUNT DEVICES SHALL BE CONCEALED IN THE WALL, EXCEPT IN ELECTRICAL, TELECOM, AND MECHANICAL ROOMS. COORDINATE THE EXACT LOCATION OF DEVICES WITH THE ARCHITECT.
3. THE ELECTRICAL CONTRACTOR SHALL REFERENCE TELECOMMUNICATIONS DRAWINGS, ACCESS CONTROL DRAWINGS, AND SURVEILLANCE DRAWINGS FOR THE SCOPE OF WORK THAT EC IS RESPONSIBLE FOR ASSOCIATED WITH THOSE SYSTEMS.
4. THE LOCATION OF CEILING AND WALL MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO THE ARCHITECTURAL RCP PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNT DEVICES. WHERE NOT INDICATED ON THE ARCHITECT'S RCP PLAN COORDINATE WITH THE ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH THE ARCHITECT FOR THE FINAL LOCATION OF ALL EXTERIOR AND INTERIOR WALL MOUNT DEVICES.
5. MECHANICAL EQUIPMENT DISCONNECTS SHOWN ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. LOCATE DISCONNECTS SO ACCESSIBLE WITH WORKING CLEARANCE PER NEC. REFER TO THE MECHANICAL SCHEDULES FOR EQUIPMENT CIRCUIT AND DISCONNECT SWITCH INFORMATION.

KEYNOTES

1. MOUNT L6-30P RECEPTACLE TO UNDER SIDE OF LADDER RACK DIRECTLY ABOVE COMMUNICATIONS RACK. COORDINATE PLACEMENT WITH TELECOMMUNICATIONS CONTRACTOR.
2. POWER TO DOOR HARDWARE. REFER TO SECURITY PLANS FOR ROUGH-IN DETAILS.
3. SHUNT TRIP SWITCH FUSED DISCONNECT, FUSED PER ELEVATOR MANUFACTURERS REQUIREMENTS COOPER BUSMAN PS-1-T4B-R2-K-G-B-F-T-TYPE1 OR EQUAL. SWITCH SHALL BE EQUIPPED WITH KEYED TEST SWITCH, FIRE SAFETY INTERFACE RELAY, CONTROL TRANSFORMER, FIRE ALARM VOLTAGE MONITORING RELAY AND GREEN PILOT LIGHT INDICATING SWITCH CLOSED.
4. 20A/1P/T1 ENCLOSED CIRCUIT BREAKER FOR ELEVATOR CAB LIGHTING.
5. COORDINATE RECEPTACLE AND DATA DROP MOUNTING HEIGHT FOR DISPLAY WITH ARCHITECTURAL DRAWINGS.
6. 120V CIRCUIT FOR PROJECTION SCREEN.
7. 120V CIRCUIT FOR PROJECTOR.
8. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL IN PROJECTOR ROOM. SEE LIGHTING PLAN FOR ADDITIONAL DETAILS.
9. OUTLET FOR AMPLIFIER RACK. COORDINATE LOCATION WITH THEATER CONSULTANT.



North 1 YOUTH LEARNING CENTER - FIRST FLOOR PLAN - POWER
1/8" = 1'-0"



2 / E2.1 ENLARGED ELECTRICAL ROOM PLAN - POWER
1/4" = 1'-0"

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	THEATER CHANGES	08/08/25
2	RESPONSE TO RFI #31	9/5/2025
3	RESPONSE TO RFI #32	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER - 1ST FLOOR PLAN - POWER

E2.1

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GENERAL NOTES

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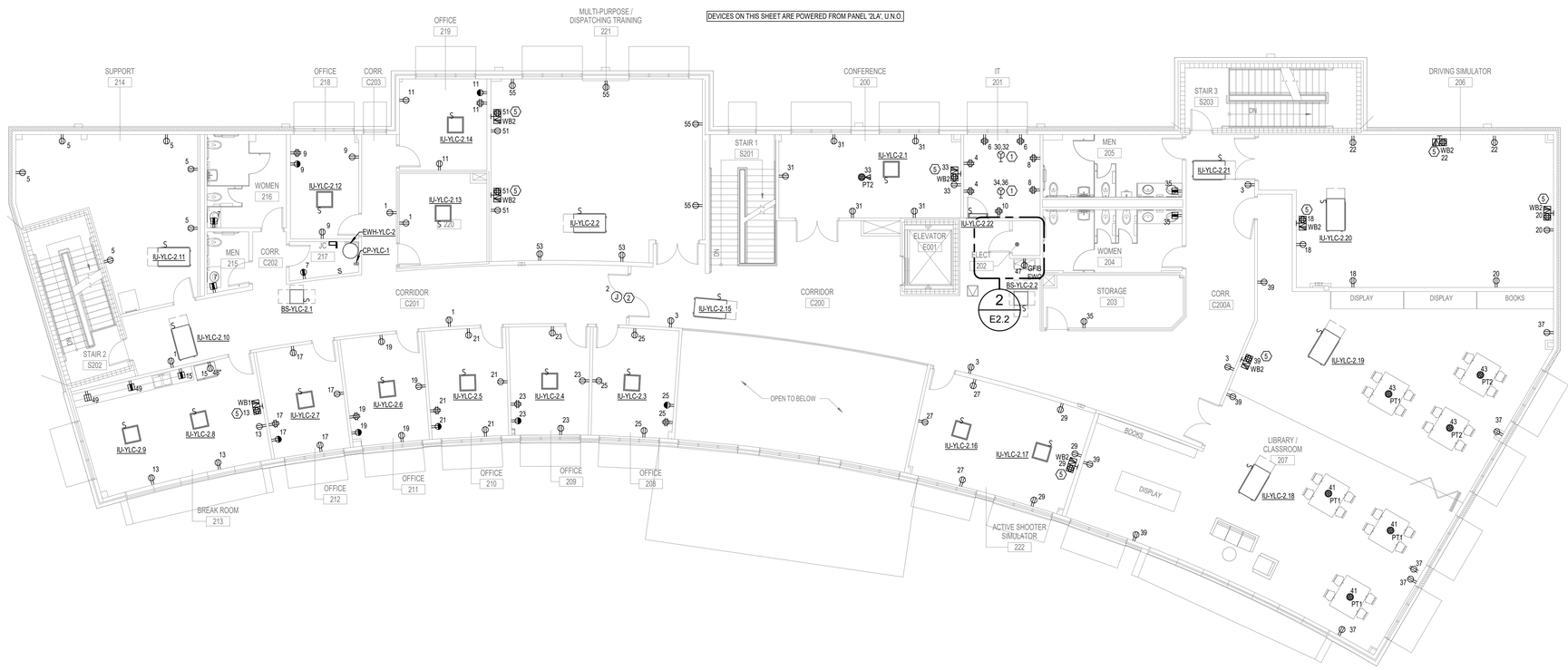
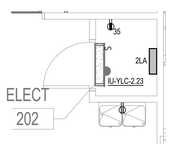
7. 120V CIRCUIT FOR PROJECTOR.



North 1 YOUTH LEARNING CENTER - SECOND FLOOR PLAN - POWER
1/8" = 1'-0"



2 E2.2 ENLARGED ELECTRICAL ROOM PLAN- POWER
1/4" = 1'-0"

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER - 2ND FLOOR PLAN - POWER

E2.2

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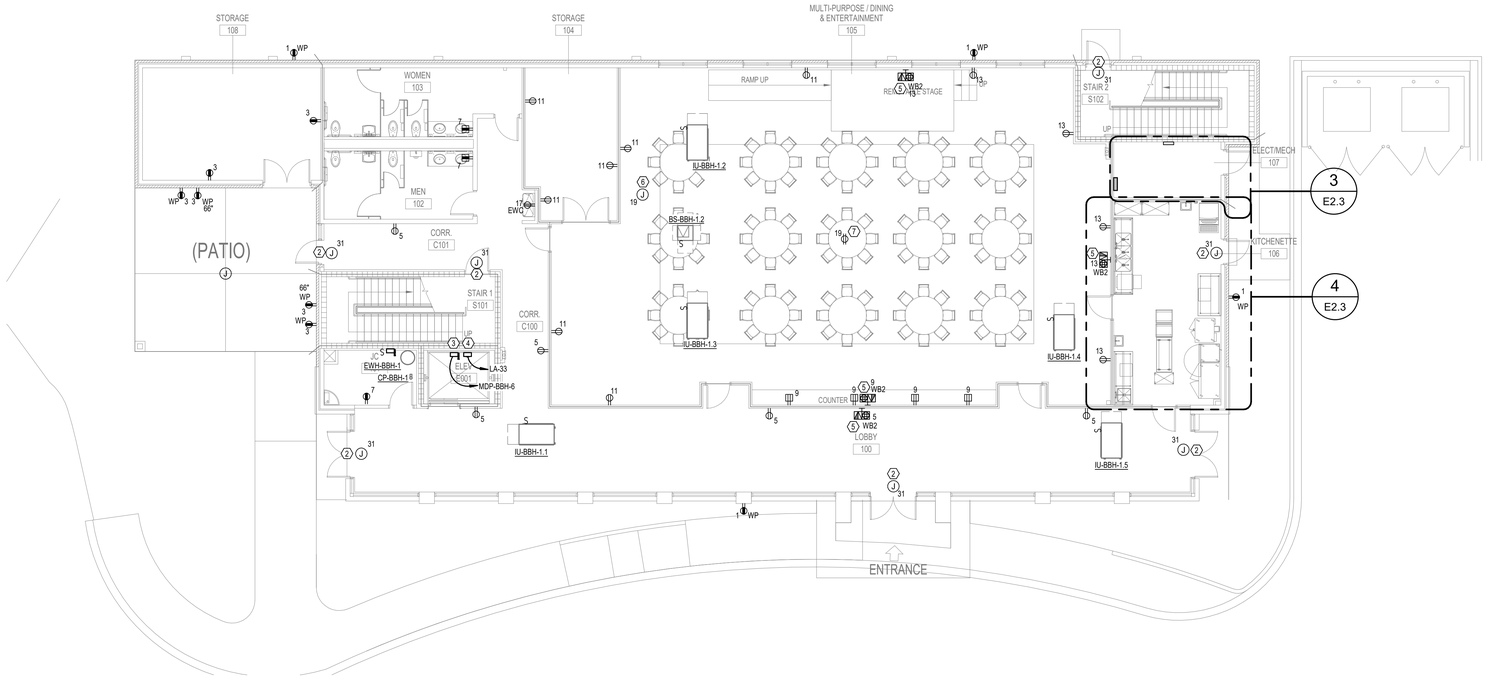
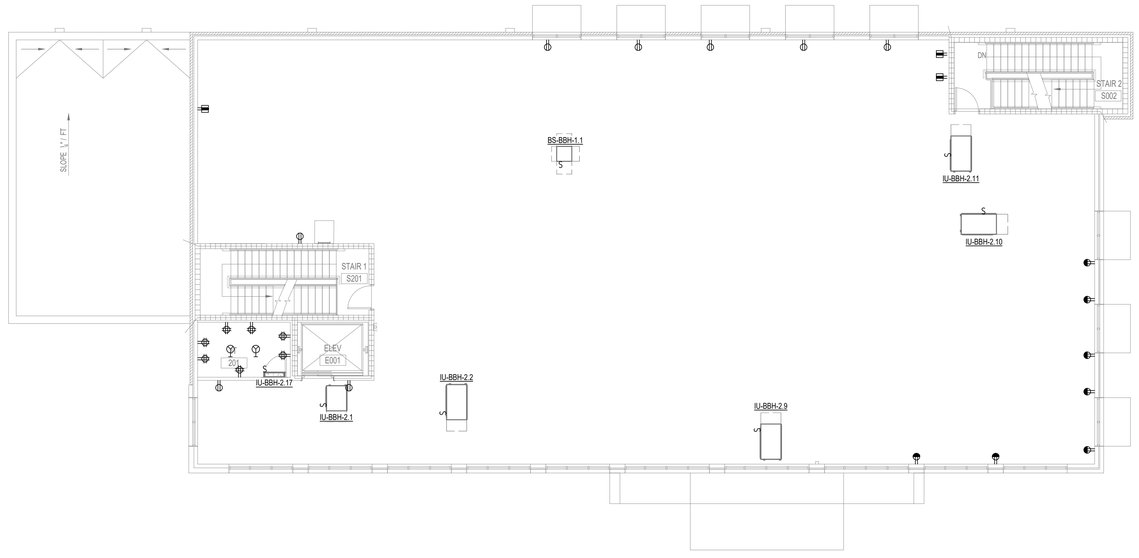
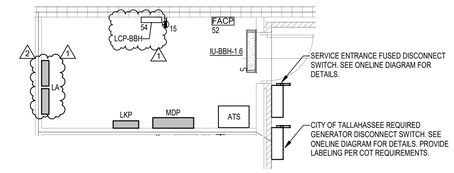
DEVICES ON THIS SHEET ARE POWERED FROM PANEL 'LA', U.N.O.



1 FIRST FLOOR PLAN - POWER
1/8" = 1'-0"

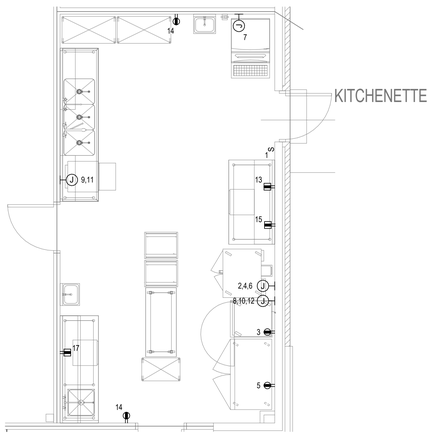


2 SECOND FLOOR PLAN - POWER
1/8" = 1'-0"



3 E2.3 FIRST FLOOR ELECTRICAL ROOM - BBH
1/4" = 1'-0"

DEVICES IN KITCHENETTE ARE POWERED FROM PANEL 'LKP', U.N.O.



4 E2.3 ENLARGED KITCHENETTE PLAN - POWER
1/4" = 1'-0"

KITCHEN EQUIPMENT CONNECTION SCHEDULE

ITEM #	DESCRIPTION	ELECTRICAL VOLTAGE / PHASE	FLA	BRANCH CIRCUIT OCPD	BRANCH CIRCUIT PANEL	ELECTRICAL INFORMATION CONN. TYPE	ELECTRICAL INFORMATION NEMA	ELECTRICAL INFORMATION CONN. HEIGHT	NOTES
1	AIR CURTAIN	120V / 1PH	8	20	LKP	DIRECT		100"	SWITCH AT DOOR
5	CONVECTION OVEN (BOTTOM)	208V / 3PH	34	50	LKP	DIRECT		24"	
5.1	CONVECTION OVEN TOP)	208V / 3PH	34	50	LKP	DIRECT		36"	
6	HOT HOLDING CABINET	120V / 1PH	12	20	LKP	PLUG	5-20P	24"	
7	REFRIGERATOR	120V / 1PH	6	20	LKP	PLUG	5-20P	90"	
14	DISH MACHINE	208V / 1PH	32	40	LKP	DIRECT		24"	
19	ICE MACHINE	120V / 1PH	12	20	LKP	DIRECT		72"	

NOTES:
1 REFER TO FLOOR PLANS FOR EQUIPMENT LOCATIONS.
2 REFER TO INDICATED PANEL SCHEDULE FOR CIRCUIT NUMBER AND INFORMATION.

GENERAL NOTES

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KEYNOTES

1. MOUNT L6-30P RECEPTACLE TO UNDER SIDE OF LADDER RACK DIRECTLY ABOVE COMMUNICATIONS RACK. COORDINATE PLACEMENT WITH TELECOMMUNICATIONS CONTRACTOR.
2. POWER TO DOOR HARDWARE. REFER TO SECURITY PLANS FOR ROUGH-IN DETAILS.
3. SHUNT TRIP SWITCH FUSED DISCONNECT, FUSED PER ELEVATOR MANUFACTURERS REQUIREMENTS COOPER BUSMAN PS--1-T48-R2-K-G-B-F-L-TYPE1 OR EQUAL. SWITCH SHALL BE EQUIPPED WITH KEYED TEST SWITCH, FIRE SAFETY INTERFACE RELAY, CONTROL TRANSFORMER, FIRE ALARM VOLTAGE MONITORING RELAY AND GREEN PILOT LIGHT INDICATING SWITCH CLOSED.
4. 20A/1P/T1 ENCLOSED CIRCUIT BREAKER FOR ELEVATOR CAB LIGHTING.
5. COORDINATE RECEPTACLE AND DATA DROP MOUNTING HEIGHT FOR DISPLAY WITH ARCHITECTURAL DRAWINGS.
6. 120V CIRCUIT FOR PROJECTION SCREEN.
7. 120V CIRCUIT FOR PROJECTOR.
8. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL IN PROJECTOR ROOM. SEE LIGHTING PLAN FOR ADDITIONAL DETAILS.
9. OUTLET FOR AMPLIFIER RACK. COORDINATE LOCATION WITH THEATER CONSULTANT.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	RESPONSE TO RFI #32	9/5/2025
2	RESPONSE TO RFI #33	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BUILDING - POWER

E2.3

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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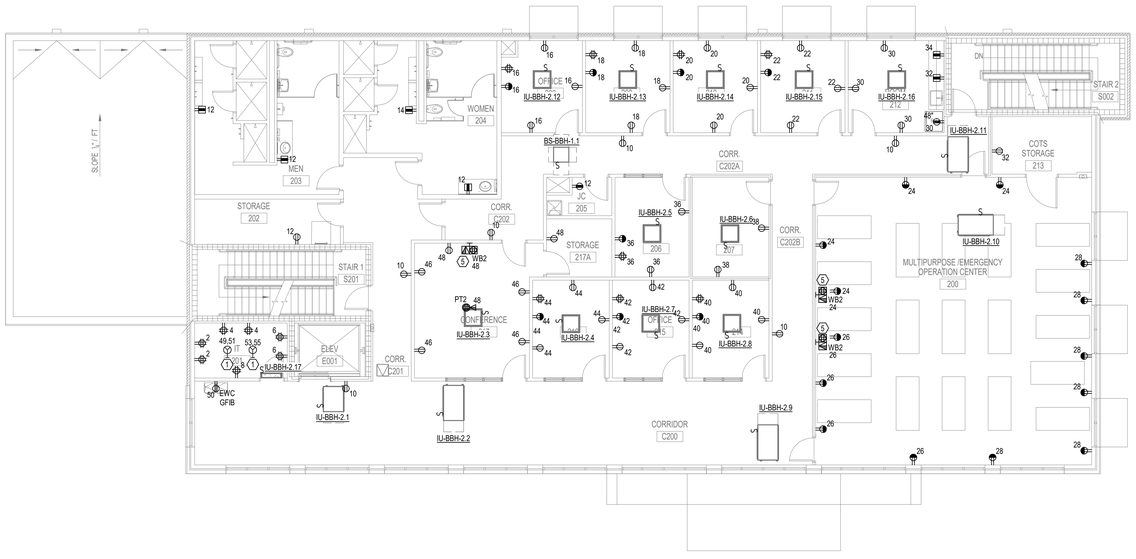
GENERAL NOTES

1. DEVICES OUTSIDE OF DWELLING UNITS SHALL BE POWERED FROM PANELS AS DELINEATED BY PANEL DIVISION LINES, UNO. DEVICES ARE LABELED WITH CIRCUIT NUMBERS CORRESPONDING TO THE DESIGNATED PANEL.
2. BACK BOXES AND CONDUITS TO ALL WALL MOUNT DEVICES SHALL BE CONCEALED IN THE WALL, EXCEPT IN ELECTRICAL, TELECOM, AND MECHANICAL ROOMS. COORDINATE THE EXACT LOCATION OF DEVICES WITH THE ARCHITECT.
3. THE ELECTRICAL CONTRACTOR SHALL REFERENCE TELECOMMUNICATIONS DRAWINGS, ACCESS CONTROL DRAWINGS, AND SURVEILLANCE DRAWINGS FOR THE SCOPE OF WORK THAT EC IS RESPONSIBLE FOR ASSOCIATED WITH THOSE SYSTEMS.
4. THE LOCATION OF CEILING AND WALL MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO THE ARCHITECTURAL RCP PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNT DEVICES. WHERE NOT INDICATED ON THE ARCHITECT'S RCP PLAN COORDINATE WITH THE ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH THE ARCHITECT FOR THE FINAL LOCATION OF ALL EXTERIOR AND INTERIOR WALL MOUNT DEVICES.
5. MECHANICAL EQUIPMENT DISCONNECTS SHOWN ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. LOCATE DISCONNECTS SO ACCESSIBLE WITH WORKING CLEARANCE PER NEC. REFER TO THE MECHANICAL SCHEDULES FOR EQUIPMENT CIRCUIT AND DISCONNECT SWITCH INFORMATION.

KEYNOTES

1. MOUNT L6-30P RECEPTACLE TO UNDER SIDE OF LADDER RACK DIRECTLY ABOVE COMMUNICATIONS RACK. COORDINATE PLACEMENT WITH TELECOMMUNICATIONS CONTRACTOR.
2. POWER TO DOOR HARDWARE. REFER TO SECURITY PLANS FOR ROUGH-IN DETAILS.
3. SHUNT TRIP SWITCH FUSED DISCONNECT, FUSED PER ELEVATOR MANUFACTURERS REQUIREMENTS COOPER BUSMAN PS-1-T48-R2-K-G-B-F-TYPE1 OR EQUAL. SWITCH SHALL BE EQUIPPED WITH KEYED TEST SWITCH, FIRE SAFETY INTERFACE RELAY, CONTROL TRANSFORMER, FIRE ALARM VOLTAGE MONITORING RELAY AND GREEN PILOT LIGHT INDICATING SWITCH CLOSED.
4. 20A/1P/T1 ENCLOSED CIRCUIT BREAKER FOR ELEVATOR CAB LIGHTING.
5. COORDINATE RECEPTACLE AND DATA DROP MOUNTING HEIGHT FOR DISPLAY WITH ARCHITECTURAL DRAWINGS.
6. 120V CIRCUIT FOR PROJECTION SCREEN.
7. 120V CIRCUIT FOR PROJECTOR.



1 SECOND FLOOR PLAN - ADD ALTERNATE - POWER
1/8" = 1'-0"

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Florida Registry #5485
Trey Gossett, P.E. #74534

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

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Construction Managers
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50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT 2ND FLOOR ADD ALT. - POWER

E2.3A

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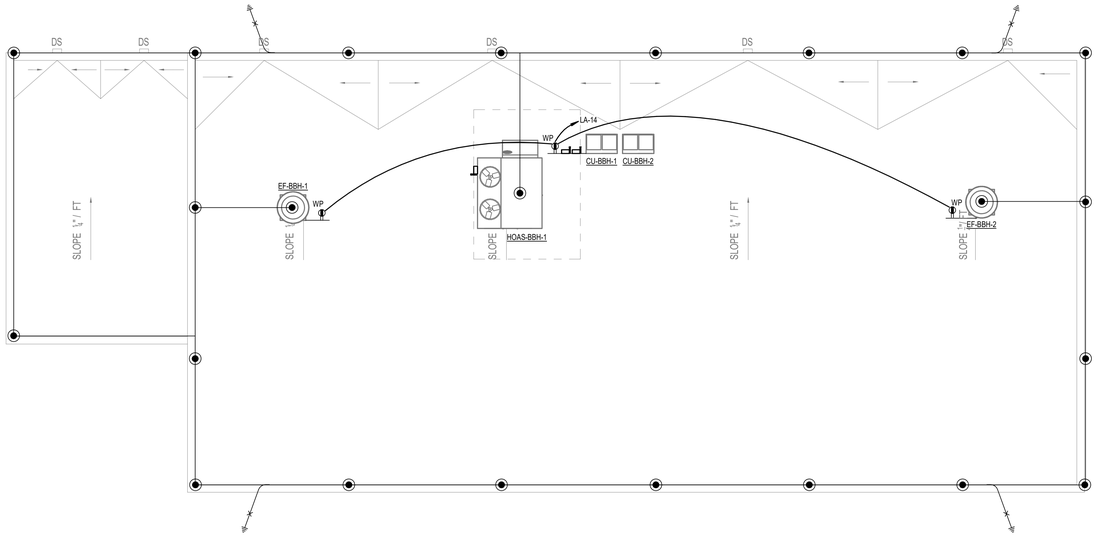
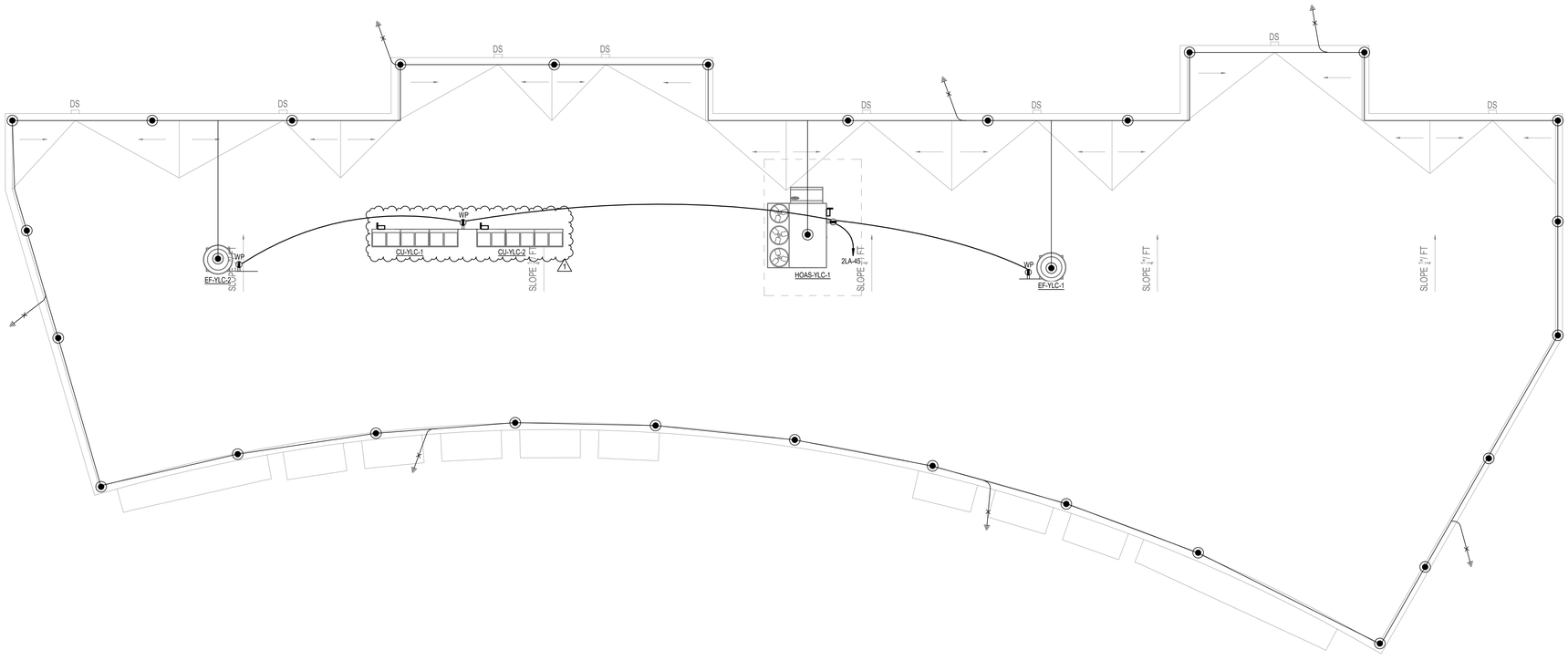


1 BLACKBURN-HUNT BUILDING
1/8" = 1'-0"



2 YOUTH LEARNING CENTER
1/8" = 1'-0"

LIGHTNING PROTECTION NOTES

1. THIS ROOF PLAN AND EQUIPMENT IS SHOWN FOR REFERENCE ONLY.
2. THE LIGHTNING PROTECTION SYSTEM (LPS) FOR THIS PROJECT IS BY PERFORMANCE SPECIFICATION. THE LPS SHALL COMPLY WITH NFPA 780 FOR LIGHTNING - STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS, AND WITH UL 96A - INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS. INSTALLING CONTRACTOR SHALL PROVIDE A UL MASTER LABEL OR LPI MASTER CERTIFICATE.
3. CONDUCTORS WILL BE BARE STRANDED COPPER, EXCEPT ALUMINUM WILL BE USED WHERE INSTALLATION IS IN CONTACT WITH ALUMINUM SURFACES.
4. GROUND RODS SHALL BE COPPER-CLAD STEEL, 3/4" DIAMETER BY 10 FT LONG.
5. THE LPS SYSTEM AND DESIGN SHALL ENCOMPASS ALL EXTERIOR SURFACES OF THE FACILITY, INCLUDING EQUIPMENT AND SUPPORTS THAT EXTEND ABOVE TOP OF ROOF, UNDER A COMPLETE ZONE OF PROTECTION AS DEFINED BY NFPA 780. AIR TERMINAL SPACING SHALL NOT EXCEED 20 FT, EXCEPT SPACING UP TO 50 FT IS ALLOWED FOR NON- PERIMETER AREAS OF FLAT ROOFS. LOCATIONS WILL COMPLY WITH NFPA 780 AND WILL GENERALLY FOLLOW THE BUILDING ROOF RIDGES AND PERIMETERS.
6. ONE (1) DOWN CONDUCTOR SHALL BE PROVIDED FOR EVERY 100 LINEAR FEET OF BUILDING PERIMETER, WITH A MINIMUM OF TWO (2) CONDUCTORS. CONDUCTORS SHALL BE CONFIGURED TO PROVIDE A TWO-WAY PATH TO EARTH. METAL BODIES WILL BE BONDED TO THE CONDUCTOR SYSTEM IN COMPLIANCE WITH NFPA 780.
7. A GROUND ROD SHALL BE CONNECTED TO EACH DOWN CONDUCTOR. THE ELECTRIC POWER SERVICE GROUNDING SYSTEM SHALL BE BONDED TO THE LIGHTNING PROTECTION SYSTEM.
8. REFER TO SPECIFICATION SECTION 26 4113 FOR MORE SCOPE.
9. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR INFORMATION RELATED TO BUILDING AND STRUCTURES TO BE PROTECTED.
10. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR INFORMATION REGARDING EQUIPMENT AND ASSOCIATED ITEMS.

LIGHTNING PROTECTION SYSTEM LEGEND

- CONDUCTOR TO GRD. ROD EXOTHERMIC CONNECTION. (USE 5/8" X 10' ROD DRIVEN TO 11 FT. DEEP MINIMUM.)
- HORIZONTAL OR DOWNWARD CONDUCTOR ROUTED ALONG THE TOP OR EXTERIOR SIDE OF THE ROOF.
- AIR TERMINAL AS REQUIRED. REFER TO DETAILS ON ELP110.

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50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	RESPONSE TO RFI #33	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

ROOF PLANS - ELECTRICAL

E2.4

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt

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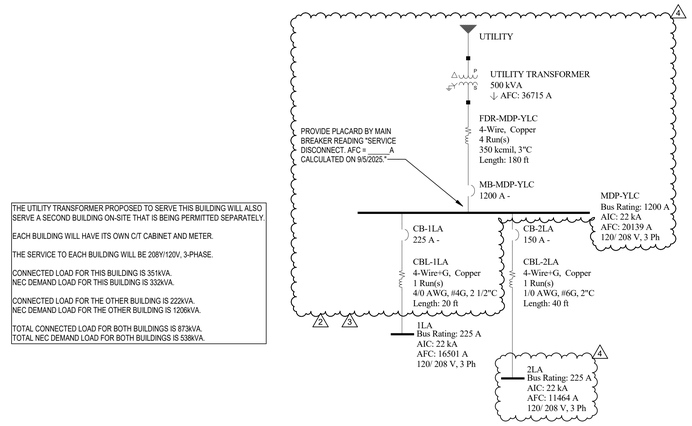


THE UTILITY TRANSFORMER PROPOSED TO SERVE THIS BUILDING WILL ALSO SERVE A SECOND BUILDING ON-SITE THAT IS BEING PERMITTED SEPARATELY.

EACH BUILDING WILL HAVE ITS OWN C/T CABINET AND METER.

THE SERVICE TO EACH BUILDING WILL BE 208Y/120V, 3-PHASE.

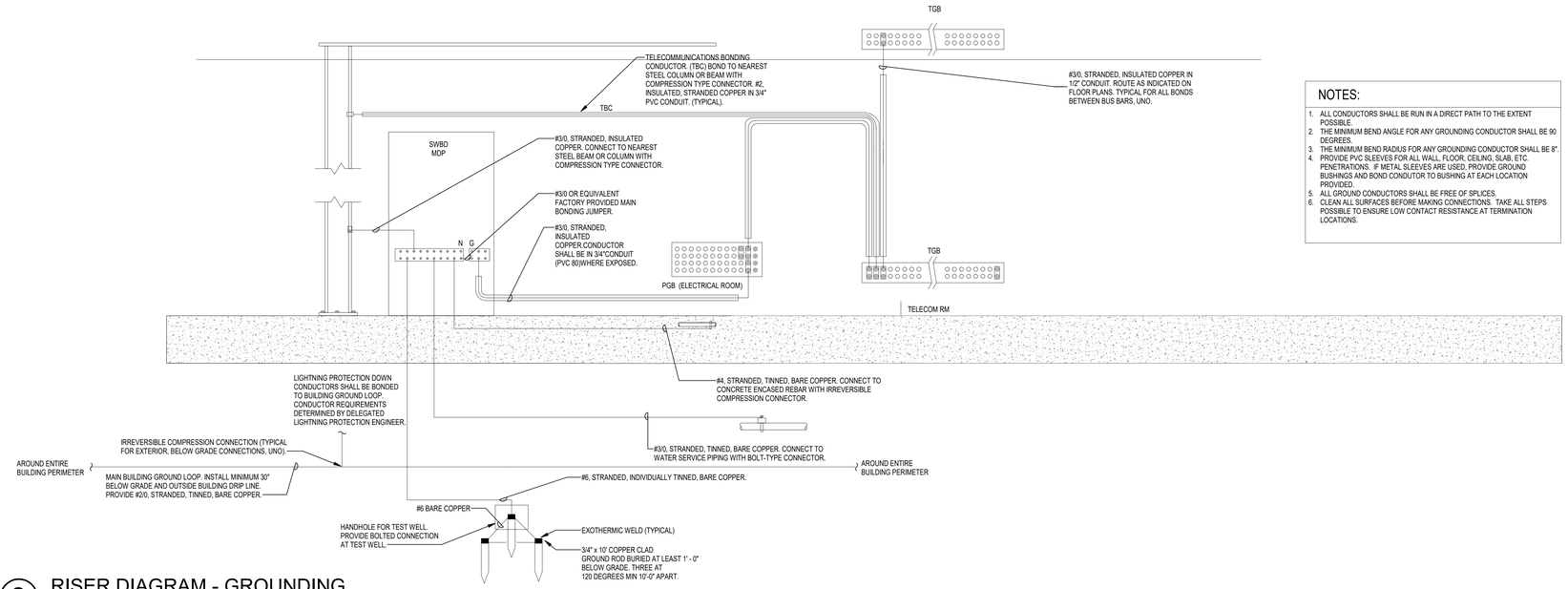
CONNECTED LOAD FOR THIS BUILDING IS 351kVA.
NEC DEMAND LOAD FOR THIS BUILDING IS 332kVA.

CONNECTED LOAD FOR THE OTHER BUILDING IS 222kVA.
NEC DEMAND LOAD FOR THE OTHER BUILDING IS 120kVA.

TOTAL CONNECTED LOAD FOR BOTH BUILDINGS IS 873kVA.
TOTAL NEC DEMAND LOAD FOR BOTH BUILDINGS IS 538kVA.

1 ONELINE RISER DIAGRAM - YLC

SCALE: N.T.S



2 RISER DIAGRAM - GROUNDING

SCALE: N.T.S

NOTES:

1. ALL CONDUCTORS SHALL BE RUN IN A DIRECT PATH TO THE EXTENT POSSIBLE.
2. THE MINIMUM BEND ANGLE FOR ANY GROUNDING CONDUCTOR SHALL BE 90 DEGREES.
3. THE MINIMUM BEND RADIUS FOR ANY GROUNDING CONDUCTOR SHALL BE 8".
4. PROVIDE PVC SLEEVES FOR ALL WALL, FLOOR, CEILING, SLAB, ETC. PENETRATIONS. IF METAL SLEEVES ARE USED, PROVIDE GROUND BUSHINGS AND BOND CONDUTOR TO BUSHING AT EACH LOCATION PROVIDED.
5. ALL GROUND CONDUCTORS SHALL BE FREE OF SPLICES.
6. CLEAN ALL SURFACES BEFORE MAKING CONNECTIONS. TAKE ALL STEPS POSSIBLE TO ENSURE LOW CONTACT RESISTANCE AT TERMINATION LOCATIONS.

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50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	THEATER CHANGES	08/08/25
2	RESPONSE TO RFI #31	9/5/2025
3	RESPONSE TO RFI #32	9/5/2025
4	RESPONSE TO RFI #33	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
RISER DIAGRAMS - YLC

E3.1

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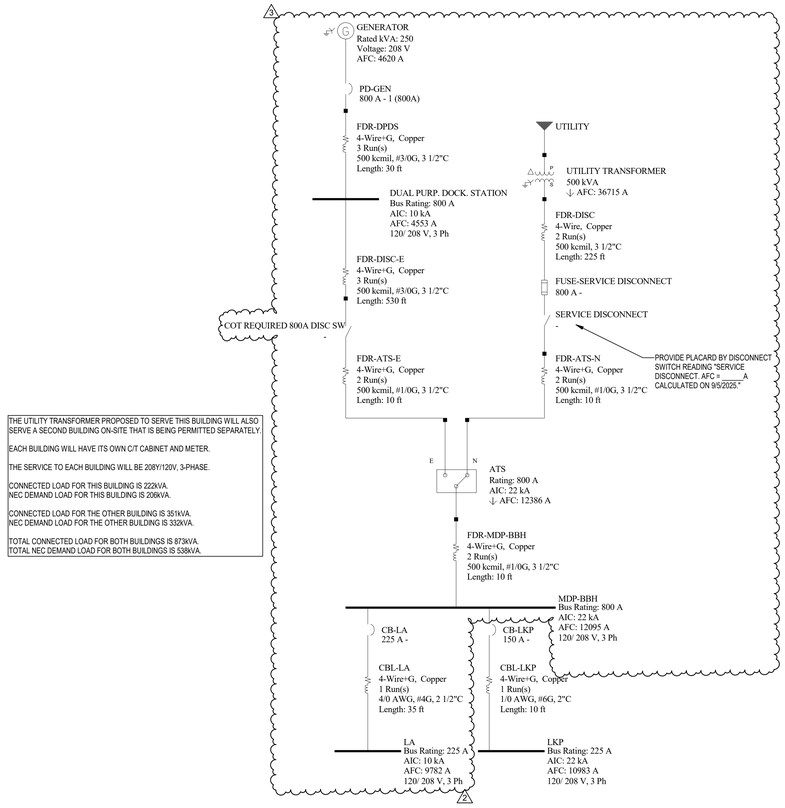

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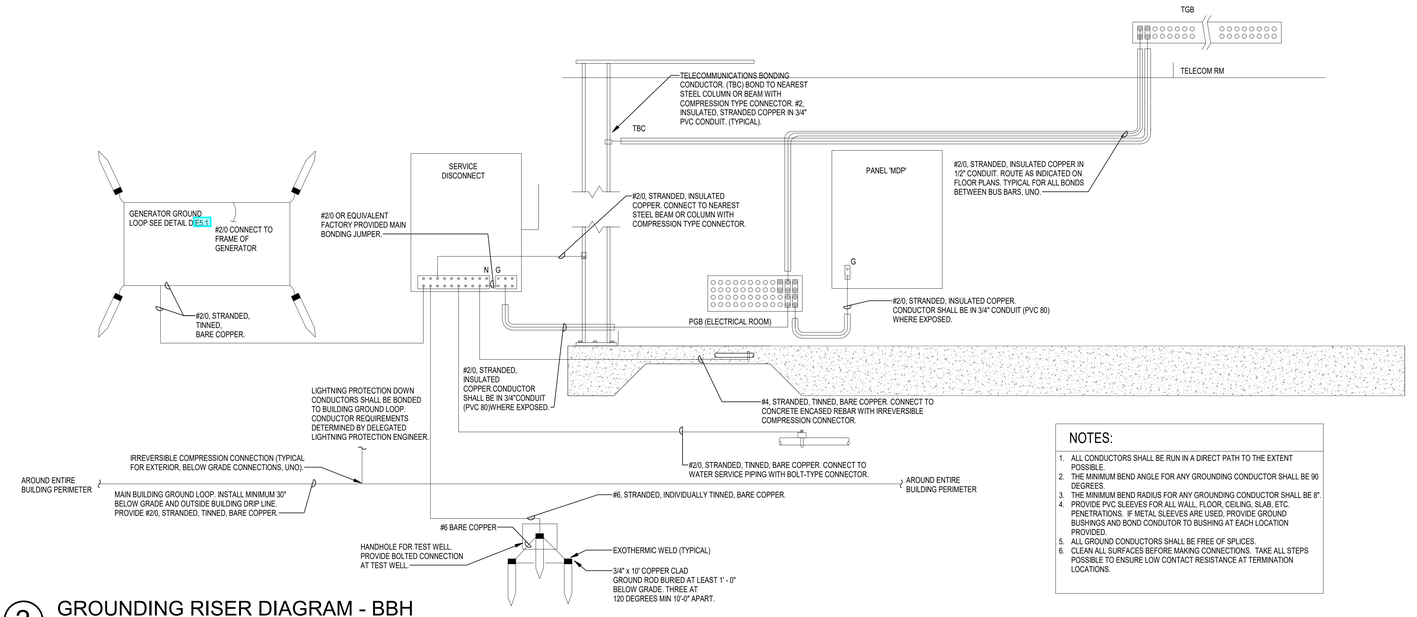
1 ONELINE RISER DIAGRAM - BBH

SCALE: N.T.S.



2 GROUNDING RISER DIAGRAM - BBH

SCALE: N.T.S

NOTES:

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CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

RISER DIAGRAMS - BBH

E3.2

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LIGHTING AND APPLIANCE PANEL: 2LA

225 AMP RATING
208 /120 V, 3 PH, 4W
22 kA AIR
SURFACE

NEMA: X TYPE 1 | TYPE 3R | TYPE 4X | TYPE 12
ALUMINUM BUSES | X COPPER BUSES | X 100% RATED BUS | SERVICE ENTRANCE RATED
DOUBLE LUGS | FEED THROUGH LUGS | DOUBLE WIDE | TRIPLE WIDE
X BOLT-ON BREAKERS | PLUG-ON BREAKERS

CIRCUIT	LOAD TYPE	SERVING	CKT BREAKER TRIP	CKT BREAKER SPECIAL	CKT BREAKER POLE	SEE 1-LINE	CONDUIT SIZE	PHASE & NEUTRAL SIZE	EGC SIZE	CONNECTED LOAD (VA) A	B	C	CONNECTED LOAD (VA) A	B	C	EGC SIZE	PHASE & NEUTRAL SIZE	CONDUIT SIZE	SEE 1-LINE	CKT BREAKER POLE	SPECIAL	TRIP	SERVING	LOAD TYPE	CIRCUIT
1	R	RECEPT CORRIDOR C201, RM 220	20		1		3/4"	#12	#12	720			500			#12	#12	3/4"		1		20	DOOR HARDWARE	O	2
3	R	RECEPT CORRIDOR C200	20		1		3/4"	#12	#12		720			1000		#12	#12	3/4"		1		20	RECEPT IT RM 201	R	4
5	R	RECEPT RM 214	20		1		3/4"	#12	#12			1080			1000	#12	#12	3/4"		1		20	RECEPT IT RM 201	R	6
7	R	RECEPT RM 215, 216, 217	20		1		3/4"	#12	#12	540			1000			#12	#12	3/4"		1		20	RECEPT IT RM 201	R	8
9	R	RECEPT RM 218	20		1		3/4"	#12	#12		900			1000		#12	#12	3/4"		1		20	RECEPT IT RM 201	R	10
11	R	RECEPT RM 219	20		1		3/4"	#12	#12			900			1000	#12	#12	3/4"		1		20	LIGHTING - LEVEL 2	L	12
13	R	RECEPT RM 213	20		1		3/4"	#12	#12	720			1000			#12	#12	3/4"		1		20	LIGHTING - LEVEL 2	L	14
15	R	RECEPT RM 213 REFRIG	20		1		3/4"	#12	#12		720			1000		#12	#12	3/4"		1		20	LIGHTING - LEVEL 2	L	16
17	R	RECEPT RM 212	20		1		3/4"	#12	#12			1080			360	#12	#12	3/4"		1		20	RECEPT RM 206	R	18
19	R	RECEPT RM 211	20		1		3/4"	#12	#12	1080			360			#12	#12	3/4"		1		20	RECEPT RM 206	R	20
21	R	RECEPT RM 210	20		1		3/4"	#12	#12		1080			360		#12	#12	3/4"		1		20	RECEPT RM 206	R	22
23	R	RECEPT RM 209	20		1		3/4"	#12	#12			1080								1		20	SPARE		24
25	R	RECEPT RM 208	20		1		3/4"	#12	#12	1080										1		20	SPARE		26
27	R	RECEPT RM 222	20		1		3/4"	#12	#12		1080									1		20	SPARE		28
29	R	RECEPT RM 223	20		1		3/4"	#12	#12			1080								1		20	SPARE		30
31	R	RECEPT RM 200	20		1		3/4"	#12	#12	900										1		20	SPARE		32
33	R	RECEPT RM 200	20		1		3/4"	#12	#12		720									1		20	SPARE		34
35	R	RECEPT RM 202, 203, 204, 205	20		1		3/4"	#12	#12			720								1		20	SPARE		36
37	R	RECEPT RM 207	20		1		3/4"	#12	#12	720										1		20	SPARE		38
39	R	RECEPT RM 207	20		1		3/4"	#12	#12		720									1		20	SPARE		40
41	R	RECEPT RM 207 FBs	20		1		3/4"	#12	#12			1080								1		20	SPARE		42
43	R	RECEPT RM 207 FBs	20		1		3/4"	#12	#12	1080										1		20	SPARE		44
45	R	RECEPT ROOF	20		1		3/4"	#12	#12		360									1		20	SPARE		46
47	R	RECEPT CORR 200 EWC	20	GFCI	1		3/4"	#12	#12			1000			2500	#10	#10	3/4"		2		30	RECEPT IT RACK	R	48
49	R	RECEPT RM 213	20		1		3/4"	#12	#12	360			2500											R	50
51	R	RECEPT RM 221	20		1		3/4"	#12	#12		360			2500		#10	#10	3/4"		2		30	RECEPT IT RACK	R	52
53	R	RECEPT RM 221	20		1		3/4"	#12	#12			360			2500									R	54
55	R	RECEPT RM 221	20		1		3/4"	#12	#12	540															56
57	O	CP-YLC-1	20		1		3/4"	#12	#12		480					#10	#10	3/4"		3		30	SPD		58
59	H	EF-YLC-2	15		1		3/4"	#12	#12			864													60
		MAIN	RATING		POLE		TRIP		100% RATED		SHUNT			COMM.									COMMENTS		
		MAIN LUG ONLY			3																				

	LOAD CLASSIFICATION		DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C
M	MOTOR		100%	0	0	0	0	0	0	0	0	0	0	0	0
K	KITCHEN	APPLIANCE #: 0	100%	0	0	0	0	0	0	0	0	0	0	0	0
R	RECEPTACLES		10KVA+50%	12	12	15	0	0	0	12	12	15	7	7	9
L	LIGHTING		100%	1	1	1	0	0	0	1	1	1	1	1	1
H	HVAC		100%	0	0	1	0	0	0	0	0	1	0	0	1
N	N+1 REDUNDANT LOAD		50%	0	0	0	0	0	0	0	0	0	0	0	0
E	ELECTRIC VEHICLE CHARGER	KVA LIMIT	100%	0	0	0	0	0	0	0	0	0	0	0	0
O	OTHER		100%	1	0	0	0	0	0	1	0	0	1	0	0
	TOTAL LOAD (KVA)			13	13	17	0	0	0	13	13	17	9	9	11
	TOTAL LOAD (AMPS)			109	108	138	0	0	0	109	108	138	75	74	91

CONNECTED (AMPS) 119
CONNECTED (KVA) 43
DEMAND (AMPS) 80
DEMAND (KVA) 29
SPARE 30%
BASIS FOR RATING (AMPS) 104

DISTRIBUTION PANEL: MDP-YLC

1200 AMP RATING
208 /120 V, 3 PH, 4W
22 kA AIR
SURFACE

NEMA: X TYPE 1 | TYPE 3R | TYPE 4X | TYPE 12
ALUMINUM BUSES | X COPPER BUSES | X 100% RATED BUS | SERVICE ENTRANCE RATED
DOUBLE LUGS | FEED THROUGH LUGS | PANEL MOUNTED POWER METER
X BOLT-ON BREAKERS | PLUG-ON BREAKERS

CIRCUIT	LOAD TYPE	SERVING	SPACE (INCHES)	OVERCURRENT PROTECTION DEVICE TRIP (AMPS)	FRAME	POLE	TRIP FUNCTION	SPECIAL FUNCTION	100% RATED	GFEP	ERMS	COMM.	CIRCUIT WIRING SEE 1-LINE	RUNS	PHASE SIZE	NEUTRAL SIZE	GROUND	CONDUIT SIZE	CONNECTED LOAD (KVA) A	B	C	COMMENTS
1		PANEL 1LA	4.5	225	250	3	TM						X						16		15	
2		PANEL 2LA	4.5	150	150	3	TM						X							13		17
3	H H	HOAS-YLC-1	4.5	225	250	3	TM							1	4/0		#4	2 1/2"	24		24	
4	H H H	CU-YLC-1	4.5	150	150	3	TM							1	1/0		#6	2"		14	14	
5	H H H	CU-YLC-2	4.5	150	150	3	TM							1	#1		#6	1 1/2"	12		12	
6	M M	ELEVATOR	4.5	100	150	3	LSI							1	#3		#8	1 1/4"		9	9	
7	H H	IU-YLC-1.1, IU-YLC-1.2, IU-YLC-1.3, IU-YLC-1.4, IU-YLC-1.5 & IU-YLC-1.6	3	15	125	2	TM							1	#12		#12	3/4"	0.7		0.7	
8	H H	IU-YLC-1.7 & BS-YLC-1.2	3	15	125	2	TM							1	#12		#12	3/4"	0.9		0.9	
9	H H	IU-YLC-1.8, IU-YLC-1.13, IU-YLC-1.14 & BS-YLC-1.3	3	15	125	2	TM							1	#12		#12	3/4"		1.0	1.0	
10	H H	IU-YLC-1.9, IU-YLC-1.10, IU-YLC-1.11, IU-YLC-1.12	3	15	125	2	TM							1	#12		#12	3/4"	1.1		1.1	
11	H H	IU-YLC.2.1, IU-YLC.2.2, IU-YLC.2.10, IU-YLC.2.11, IU-YLC.2.12, IU-YLC.2.13, IU-YLC.2.14 & BS-YLC-2.1	3	15	125	2	TM							1	#12		#12	3/4"	0.7		0.7	
12	H H	IU-YLC.2.3, IU-YLC.2.4, IU-YLC.2.5, IU-YLC.2.6, IU-YLC.2.7, IU-YLC.2.8, IU-YLC.2.9, IU-YLC.2.15 & BS-YLC-2.2	3	15	125	2	TM							1	#12		#12	3/4"		0.4	0.4	
13	H H	IU-YLC.2.16, IU-YLC.2.17, IU-YLC.2.18, IU-YLC.2.19, IU-YLC.2.20, IU-YLC.2.21, IU-YLC.2.22 & IU-YLC.2.23	3	15	125	2	TM							1	#12		#12	3/4"	1.1		1.1	
14	O O	EWH-YLC1	3	20	125	2	TM							1	#12		#12	3/4"	1.5		1.5	
15	O O	EWH-YLC-2	3	20	125	2	TM							1	#12		#12	3/4"		1.5	1.5	
16	O	EV CHARGER	3	100	125	2	TM							1	#3		#8	1"	8.3			
17	O	EV CHARGER	3	100	125	2	TM													8.3	8.3	
18	O	EV CHARGER	3	100	125	2	TM												8.3			
19	O	EV CHARGER	3	100	125	2	TM													8.3	8.3	
20		SPACE	3			2																
21		SPACE	3			2																
22		SPARE	4.5	100	125	3	TM															
23		SPARE	4.5	100	125	3	TM															
24		SPD	4.5	60	125	3	TM							1	#6	#6	#10	1"				
		MAIN																				
		MAIN CIRCUIT BREAKER	9	1200	1200	3	LSI					X										

	LOAD CLASSIFICATION		DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C
M	MOTOR		125%	9	9	9	0	0	0	9	9	9	11	11	11
K	KITCHEN	APPLIANCE #	100%	0	0	0	0	0	0	0	0	0	0	0	0
R	RECEPTACLES		10KVA+50%	0	0	0	20	28	20	20	20	28	12	12	16
L	LIGHTING		125%	0	0	0	4	6	4	4	6	4	6	7	5
H	HVAC		100%	55	55	53	0	0	1	55	55	55	55	55	55
N	N+1 REDUNDANT LOAD		50%	0	0	0	0	0	0	0	0	0	0	0	0
E	ELECTRIC VEHICLE CHARGER	KVA LIMIT	100%	0	0	0	0	0	0	0	0	0	0	0	0
O	OTHER		100%	26	26	20	4	2	0	31	29	20	31	29	20
	TOTAL LOAD (KVA)			90	90	82	29	28	33	119	118	115	114	113	106
	TOTAL LOAD (AMPS)			750	749	680	242	233	278	992	982	958	949	945	882

CONNECTED (AMPS) 978
CONNECTED (KVA) 352
DEMAND (AMPS) 925
DEMAND (KVA) 333
SPARE 20%
BASIS FOR RATING (AMPS) 1110

LIGHTING AND APPLIANCE PANEL: 1LA

225 AMP RATING
208 /120 V, 3 PH, 4W
22 kA AIR
SURFACE

NEMA: X TYPE 1 | TYPE 3R | TYPE 4X | TYPE 12
ALUMINUM BUSES | X COPPER BUSES | X 100% RATED BUS | SERVICE ENTRANCE RATED
DOUBLE LUGS | FEED THROUGH LUGS | DOUBLE WIDE | TRIPLE WIDE
X BOLT-ON BREAKERS | PLUG-ON BREAKERS

CIRCUIT	LOAD TYPE	SERVING	CKT BREAKER TRIP	CKT BREAKER SPECIAL	CKT BREAKER POLE	SEE 1-LINE	CONDUIT SIZE	PHASE & NEUTRAL SIZE	EGC SIZE	CONNECTED LOAD (VA) A	B	C	CONNECTED LOAD (VA) A	B	C	EGC SIZE	PHASE & NEUTRAL SIZE	CONDUIT SIZE	SEE 1-LINE	CKT BREAKER POLE	SPECIAL	TRIP	SERVING	LOAD TYPE	CIRCUIT
1	R	RECEPT EXTERIOR	20		1		3/4"	#12	#12	900			500			#12	#12	3/4"		1	NOTE 1	20	FACP	O	2
3	R	RECEPT RM 111, 112	20		1		3/4"	#12	#12		540			500		#12	#12	3/4"		1		20	DOOR HARDWARE	O	4
5	R	RECEPT INFO 100A	20		1		3/4"	#12	#12			900			1000	#12	#12	3/4"		1		20	RECEPT IT RM 102	R	6
7	R	RECEPT LOBBY 100 TVs	20		1		3/4"	#12	#12	540			1000			#12	#12	3/4"		1		20	RECEPT IT RM 102	R	8
9	R	RECEPT RM 104, 105, 106, 113	20		1		3/4"	#12	#12		720				1000	#12	#12	3/4"		1		20	RECEPT IT RM 102	R	10
11	R	RECEPT RM 101	20		1		3/4"	#12	#12			1080			1000	#12	#12	3/4"		1		20	RECEPT IT RM 102	R	12
13	R	RECEPT MUSEUM EWC	20	GFCI	1		3/4"	#12	#12	1000			500			#12	#12	3/4"		1		20	ELEVATOR CAB LIGHTS	L	14
15	R	RECEPT MUSEUM	20		1		3/4"	#12	#12		540			1200		#12	#12	3/4"		1		20	LIGHTING - LEVEL 1 - TRACK LTS	L	16
17	R	RECEPT MUSEUM	20		1		3/4"	#12	#12			360			1200	#12	#12	3/4"		1		20	LIGHTING - LEVEL 1 - TRACK LTS	L	18
19	R	RECEPT MUSEUM	20		1		3/4"	#12	#12	360			1200			#12	#12	3/4"		1		20	LIGHTING - LEVEL 1 - TRACK LTS	L	20
21	R	RECEPT MUSEUM	20		1		3/4"	#12	#12		360			1200		#12	#12	3/4"		1		20	LIGHTING - LEVEL 1 - TRACK LTS	L	22
23	R	RECEPT MUSEUM	20		1		3/4"	#12	#12			540			1200	#12	#12	3/4"		1		20	LIGHTING - LEVEL 1	L	24
25	R	RECEPT MUSEUM	20		1		3/4"	#12	#12	360			1200			#12	#12	3/4"		1		20	LIGHTING - EXTERIOR	L	26
27	R	RECEPT MUSEUM	20		1		3/4"	#12	#12		360			1500		#10	#10	3/4"		1		20	LIGHTING - PARKING LOTS	L	28
29	R	RECEPT MUSEUM	20		1		3/4"	#12	#12			720			500	#12	#12	3/4"		1		20	TLCP	L	30
31	R	RECEPT MUSEUM	20		1		3/4"	#12	#12	720			1800			#12	#12	3/4"		1		20	THEATER AMP. RACK	O	32
33	R	RECEPT MUSEUM	20		1		3/4"	#12	#12		360			500		#12	#12	3/4"		1		20	LCP-YLC	L	34
35	R	RECEPT MUSEUM	20		1		3/4"	#12	#12			720			500	#12	#12	3/4"		1		20	LCP-MUSEUM	L	36
37	R	RECEPT MUSEUM	20		1		3/4"	#12	#12	360										1		20	SPARE		38
39	R	RECEPT MUSEUM	20		1		3/4"	#12	#12		360									1		20	SPARE		40
41	R	RECEPT MUSEUM	20		1		3/4"	#12	#12			720								1		20	SPARE		42
43	R	RECEPT MUSEUM	20		1		3/4"	#12	#12	720			1496											O	44
45	R	RECEPT MUSEUM	20		1		3/4"	#12	#12		360			1456		#12	#12	3/4"		2		20	PROJECTOR	O	46
47	R	RECEPT MUSEUM	20		1		3/4"	#12	#12			720			2500	#10	#10	3/4"		2		30	RECEPT IT RACK	R	48
49	R	RECEPT MUSEUM	20		1		3/4"	#12	#12	360			2500											R	50
51	R	RECEPT MUSEUM	20		1		3/4"	#12	#12		360			2500		#10	#10	3/4"		2		30	RECEPT IT RACK	R	52
53	R	RECEPT RM 107	20		1		3/4"	#12	#12			540			2500									R	54
55	L	RECEPT MOVIE THEATER FBs	20		1		3/4"	#12	#12	500										1		20	SPARE		56
57	R	RECEPT MOVIE THEATER	20		1		3/4"	#12	#12		720									1		20	SPARE		58
SPACE		SPACE					3/4"	#12	#12			528								1		20	SPARE		60
61		SPACE	20		1															1		20	SPARE		62
63		SPACE	20		1															1		20	SPARE		64
65		SPACE	20		1															1		20	SPARE		66
67		SPACE	20		1															1		20	SPARE		68
69		SPACE	20		1															1		20	SPARE		70
71		SPACE	20		1															1		20	SPARE		72
73		SPACE	20		1															1		20	SPARE		74
75		SPACE	20		1															1		20	SPARE		76
77		SPACE	20		1															1		20	SPARE		78
79		SPACE	20		1																				80
81		SPACE	20		1											#10	#10	3/4"		3		30	SPD		82
83		SPACE	20		1																				84
		MAIN	RATING		POLE		TRIP		100% RATED		SHUNT			COMM.									COMMENTS		
		MAIN LUG ONLY			3																				

NOTE 1: BREAKER SHALL BE PERMANTENTLY MARKED RED AND LOCKABLE IN THE ON POSITION.

	LOAD CLASSIFICATION		DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C
M	MOTOR		100%	0	0	0	0	0	0	0	0	0	0	0	0
K	KITCHEN	APPLIANCE # 0	100%	0	0	0	0	0	0	0	0	0	0	0	0
R	RECEPTACLES		10KVA+50%	9	8	13	0	0	0	9	8	13	6	6	8
L	LIGHTING		100%	3	4	3	0	0	0	3	4	3	3	4	3
H	HVAC		100%	0	0	1	0	0	0	0	0	1	0	0	1
N	N+1 REDUNDANT LOAD		50%	0	0	0	0	0	0	0	0	0	0	0	0
E	ELECTRIC VEHICLE CHARGER	KVA LIMIT	100%	0	0	0	0	0	0	0	0	0	0	0	0
O	OTHER		100%	4	2	0	0	0	0	4	2	0	4	2	0
	TOTAL LOAD (KVA)			16	15	17	0	0	0	16	15	17	13	12	12
	TOTAL LOAD (AMPS)			133	121	143	0	0	0	133	121	143	110	101	102

CONNECTED (AMPS) 133
CONNECTED (KVA) 48
DEMAND (AMPS) 104
DEMAND (KVA) 38
SPARE 30%
BASIS FOR RATING (AMPS) 136

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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	THEATER CHANGES	08/08/25
2	RESPONSE TO RFI #26	9/5/2025
3	RESPONSE TO RFI #31	9/5/2025
4	RESPONSE TO RFI #32	9/5/2025
5	RESPONSE TO RFI #33	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
PANEL SCHEDULES - YLC

E4.1

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
9/5/2025 7:57:04 PM

LIGHTING AND APPLIANCE PANEL: LKP

225 AMP RATING — NEMA: X TYPE 1 — ALUMINUM BUSES — DOUBLE LUGS — X BOLT-ON BREAKERS
208 /120 V, 3 PH, 4W — TYPE 3R — X COPPER BUSES — FEED THROUGH LUGS — PLUG-ON BREAKERS
10 kA AIR — TYPE 4X — X 100% RATED BUS — DOUBLE WIDE
SURFACE — TYPE 12 — SERVICE ENTRANCE RATED — TRIPLE WIDE

CIRCUIT	LOAD TYPE	SERVING	CKT BREAKER TRIP	CKT BREAKER SPECIAL	CKT BREAKER POLE	SEE 1-LINE	CONDUIT SIZE	PHASE & NEUTRAL SIZE	EGC SIZE	CONNECTED LOAD (VA) A	B	C		CONNECTED LOAD (VA) A	B	C	EGC SIZE	PHASE & NEUTRAL SIZE	CONDUIT SIZE	SEE 1-LINE	CKT BREAKER POLE	SPECIAL	TRIP	SERVING	LOAD TYPE	CIRCUIT
1	K	AIR CURTAIN	20		1		3/4"	#12	#12	960				4083			#10	#8	3/4"		3	GFCI	45	CONVECTION OVEN (BOTTOM)	K	2
3	K	HOT HOLDING CABINET	20		1		3/4"	#12	#12		1440				4083										K	4
5	K	REFRIGERATOR	20		1		3/4"	#12	#12			720				4083									K	6
7	K	ICE MACHINE	20	GFCI	1		3/4"	#12	#12	1440				4083											K	8
9	K	DISH MACHINE	40	GFCI	2		3/4"	#8	#10		3328				4083		#10	#8	3/4"		3	GFCI	45	CONVECTION OVEN TOP)	K	10
11	K											3328				4083									K	12
13	R	RECEPT KITCHEN COUNTER	20		1		3/4"	#12	#12	1000				360			#12	#12	3/4"		1		20	RECEPT KITCHEN	R	14
15	R	RECEPT KITCHEN COUNTER	20		1		3/4"	#12	#12		1000										1		20	SPARE		16
17	R	RECEPT KITCHEN COUNTER	20		1		3/4"	#12	#12			1000									1		20	SPARE		18
19		SPARE	20		1																1		20	SPARE		20
21		SPARE	20		1																1			SPACE		22
23		SPARE	20		1																1			SPACE		24
25		SPACE			1																					26
27		SPACE			1												#10	#10	3/4"		3		30	SPD		28
29		SPACE			1																					30
		MAIN	RATING		POLE	TRIP		100% RATED		SHUNT			COMM.											COMMENTS		
		MAIN LUG ONLY			3																					

	LOAD CLASSIFICATION			DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C	
M	MOTOR			100%	0	0	0	0	0	0	0	0	0	0	0	0	CONNECTED (AMPS)	108
K	KITCHEN	APPLIANCE #	4	80%	11	13	12	0	0	0	11	13	12	8	10	10	CONNECTED (KVA)	39
R	RECEPTACLES			10KVA+50%	1	1	1	0	0	0	1	1	1	1	1	1		
L	LIGHTING			100%	0	0	0	0	0	0	0	0	0	0	0	0	DEMAND (AMPS)	89
H	HVAC			100%	0	0	0	0	0	0	0	0	0	0	0	0	DEMAND (KVA)	32
N	N+1 REDUNDANT LOAD			50%	0	0	0	0	0	0	0	0	0	0	0	0		
E	ELECTRIC VEHICLE CHARGER	KVA LIMIT		100%	0	0	0	0	0	0	0	0	0	0	0	0		
O	OTHER			100%	0	0	0	0	0	0	0	0	0	0	0	0	SPARE	50%
	TOTAL LOAD (KVA)				12	14	13	0	0	0	12	14	13	10	11	11		
	TOTAL LOAD (AMPS)				99	116	110	0	0	0	99	116	110	82	94	90	BASIS FOR RATING (AMPS)	133

DISTRIBUTION PANEL: MDP-BBH

800 AMP RATING — NEMA: X TYPE 1 — ALUMINUM BUSES — DOUBLE LUGS — X BOLT-ON BREAKERS
208 /120 V, 3 PH, 4W — TYPE 3R — X COPPER BUSES — FEED THROUGH LUGS — PLUG-ON BREAKERS
22 kA AIR — TYPE 4X — X 100% RATED BUS — PANEL MOUNTED POWER METER
SURFACE — TYPE 12 — SERVICE ENTRANCE RATED

CIRCUIT	LOAD TYPE	SERVING	SPACE (INCHES)	OVERCURRENT PROTECTION DEVICE TRIP (AMPS)	FRAME	POLE	TRIP FUNCTION	SPECIAL FUNCTION	100% RATED	GFEP	ERMS	COMM.	CIRCUIT WIRING SEE 1-LINE	RUNS	PHASE SIZE	NEUTRAL SIZE	GROUND	CONDUIT SIZE	CONNECTED LOAD (KVA) A	B	C	COMMENTS
1		PANEL LA	4.5	225	250	3	TM							X						21		
2		PANEL LKP	4.5	150	150	3	TM							X						12		
3	H	HOAS-BBH-1	4.5	150	150	3	TM								1	1/0		#6	2"		14	
4	H	CU-BBH-1	4.5	90	125	3	TM								1	#3		#8	1 1/4"	9	8	
5	H	CU-BBH-2	4.5	90	125	3	TM								1	#3		#8	1 1/4"	8	8	
6	M	ELEVATOR	4.5	100	150	3	LSI								1	#3		#8	1 1/4"	9	9	
7	H	IU-BBH-1.1 & IU-BBH-1.2	3	15	125	2	TM								1	#12		#12	3/4"	0.9	0.9	
8	H	IU-BBH-1.3 & BS-BBH-1.2	3	15	125	2	TM								1	#12		#12	3/4"	0.8	0.8	
9	H	IU-BBH-1.4, IU-BBH-1.5 & IU-BBH-1.6	3	15	125	2	TM								1	#12		#12	3/4"	0.6	0.6	
10	H	IU-BBH-2.1, IU-BBH-2.2, IU-BBH-2.3, IU-BBH-2.4, IU-BBH-2.5, IU-BBH-2.6, IU-BBH-2.7, IU-BBH-2.8, IU-BBH-2.9 & IU-BBH-2.17	3	15	125	2	TM								1	#12		#12	3/4"	0.7	0.7	
11	H	IU-BBH-2.10, IU-BBH-2.11, IU-BBH-2.12, IU-BBH-2.13, IU-BBH-2.14, IU-BBH-2.15, IU-BBH-2.16 & BS-BBH-1.1	3	15	125	2	TM								1	#12		#12	3/4"	0.6	0.6	
12	O	EWH-BBH-1	3	90	125	2	TM								1	#3		#8	1"	7	7	
13		SPACE	3			2																
14		SPACE	3			2																
15		SPACE	3			2																
16		SPARE	4.5	100	125	3	TM															
17		SPD	4.5	60	125	3	TM								1	#6	#6	#10	1"			
		MAIN																				
		MAIN LUG ONLY				3																

	LOAD CLASSIFICATION			DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C	
M	MOTOR			125%	9	9	9	0	0	0	9	9	9	11	11	12	CONNECTED (AMPS)	635
K	KITCHEN	APPLIANCE #	4	80%	0	0	0	11	13	12	11	13	12	8	10	10	CONNECTED (KVA)	229
R	RECEPTACLES			10KVA+50%	0	0	0	18	13	14	18	13	14	11	8	9		
L	LIGHTING			125%	0	0	0	2	3	3	2	3	3	3	3	3	DEMAND (AMPS)	590
H	HVAC			100%	31	30	30	0	0	0	31	31	30	31	31	30	DEMAND (KVA)	213
N	N+1 REDUNDANT LOAD			50%	0	0	0	0	0	0	0	0	0	0	0	0		
E	ELECTRIC VEHICLE CHARGER	KVA LIMIT		100%	0	0	0	0	0	0	0	0	0	0	0	0		
O	OTHER			100%	0	7	7	3	4	0	3	11	7	3	11	7	SPARE	20%
	TOTAL LOAD (KVA)				40	46	46	33	33	30	73	80	76	66	75	71		
	TOTAL LOAD (AMPS)				333	384	382	277	278	251	610	662	633	554	623	593	BASIS FOR RATING (AMPS)	708

LIGHTING AND APPLIANCE PANEL: LA

225 AMP RATING — NEMA: X TYPE 1 — ALUMINUM BUSES — DOUBLE LUGS — X BOLT-ON BREAKERS
208 /120 V, 3 PH, 4W — TYPE 3R — X COPPER BUSES — FEED THROUGH LUGS — PLUG-ON BREAKERS
22 kA AIR — TYPE 4X — X 100% RATED BUS — DOUBLE WIDE
SURFACE — TYPE 12 — SERVICE ENTRANCE RATED — TRIPLE WIDE

CIRCUIT	LOAD TYPE	SERVING	CKT BREAKER TRIP	CKT BREAKER SPECIAL	CKT BREAKER POLE	SEE 1-LINE	CONDUIT SIZE	PHASE & NEUTRAL SIZE	EGC SIZE	CONNECTED LOAD (VA) A	B	C		CONNECTED LOAD (VA) A	B	C	EGC SIZE	PHASE & NEUTRAL SIZE	CONDUIT SIZE	SEE 1-LINE	CKT BREAKER POLE	SPECIAL	TRIP	SERVING	LOAD TYPE	CIRCUIT
1	R	RECEPT EXTERIOR	20		1		3/4"	#12	#12	720				1000			#12	#12	3/4"		1		20	RECEPT IT RM 201	R	2
3	R	RECEPT PATIO	20		1		3/4"	#12	#12		1080				1000		#12	#12	3/4"		1		20	RECEPT IT RM 201	R	4
5	R	RECEPT CORRIDOR C100, C101	20		1		3/4"	#12	#12			900				1000	#12	#12	3/4"		1		20	RECEPT IT RM 201	R	6
7	R	RECEPT RM 101, 102, 103, 104	20		1		3/4"	#12	#12	720				1000			#12	#12	3/4"		1		20	RECEPT IT RM 201	R	8
9	R	RECEPT RM 105	20		1		3/4"	#12	#12		720				1080		#12	#12	3/4"		1		20	RECEPT CORRIDOR C200, C201, C202	R	10
11	R	RECEPT RM 105	20		1		3/4"	#12	#12			720				900	#12	#12	3/4"		1		20	RECEPT RM 202, 203, 204, 205	R	12
13	R	RECEPT RM 105	20		1		3/4"	#12	#12	1260				360			#12	#12	3/4"		1		20	RECEPT ROOF	R	14
15	R	RECEPT RM 107	20		1		3/4"	#12	#12		180				1080		#12	#12	3/4"		1		20	RECEPT RM 208	R	16
17	R	RECEPT CORR C101 EWC	20	GFCI	1		3/4"	#12	#12			1000				1080	#12	#12	3/4"		1		20	RECEPT RM 209	R	18
19	R	RECEPTACLE & DROP SCREEN	20		1		3/4"	#12	#12	500				1080			#12	#12	3/4"		1		20	RECEPT RM 210	R	20
21	O	BATTERY CHARGER	20		1		3/4"	#10	#10		1500				1080		#12	#12	3/4"		1		20	RECEPT RM 211	R	22
23	O	ANTI-CONDENSATION HEATER	20		1		3/4"	#12	#12			400				720	#12	#12	3/4"		1		20	RECEPT RM 200	R	24
25		SPARE	20		1									900			#12	#12	3/4"		1		20	RECEPT RM 200	R	26
27		SPARE	20		1										900		#12	#12	3/4"		1		20	RECEPT RM 200	R	28
29		SPARE	20		1											1000	#12	#12	3/4"		1		20	RECEPT RM 212 REFRIG	R	30
31	O	DOOR HARDWARE	20		1		3/4"	#12	#12	500				1000			#12	#12	3/4"		1		20	RECEPT RM 212	R	32
33	L	ELEVATOR CAB LIGHTS	20		1		3/4"	#12	#12		500				1000		#12	#12	3/4"		1		20	RECEPT RM 212	R	34
35	L	LIGHTING - LEVEL 1	20		1		3/4"	#12	#12			1000				1080	#12	#12	3/4"		1		20	RECEPT RM 206	R	36
37	L	LIGHTING - LEVEL 1	20		1		3/4"	#12	#12	1000				900			#12	#12	3/4"		1		20	RECEPT RM 207	R	38
39	L	LIGHTING - LEVEL 1	20		1		3/4"	#12	#12		1000				900		#12	#12	3/4"		1		20	RECEPT RM 214	R	40
41	L	LIGHTING - LEVEL 2	20		1		3/4"	#12	#12			1000				1080	#12	#12	3/4"		1		20	RECEPT RM 215	R	42
43	L	LIGHTING - LEVEL 2	20		1		3/4"	#12	#12	1000				900			#12	#12	3/4"		1		20	RECEPT RM 216	R	44
45	L	LIGHTING - LEVEL 2	20		1		3/4"	#12	#12		1000				900		#12	#12	3/4"		1		20	RECEPT RM 217	R	46
47	M	CP-BBH-1	15		1		3/4"	#12	#12			480				1080	#12	#12	3/4"		1		20	RECEPT RM 217	R	48
49	R	RECEPT IT RACK	30		2		3/4"	#10	#10	2500				1000			#12	#12	3/4"		1	GFCI	20	RECEPT CORR 200 EWC	R	50
51	R										2500				500		#12	#12	3/4"		1	NOTE 1	20	FACP	O	52
53	R	RECEPT IT RACK	30		2		3/4"	#10	#10			2500			500		#12	#12	3/4"		1		20	LCP-BBH	L	54
55	R									2500											1		20	SPARE		56
57	H	EF-BBH-1	15		2		3/4"	#12	#12		480										1		20	SPARE		58
59	H											480									1		20	SPARE		60
61	O	JACKET WATER HEATER	25		2		3/4"	#10	#10	2000											1		20	SPARE		62
63	O										2000										1		20	SPARE		64
65		SPARE	20		1																1		20	SPARE		66
67		SPARE	20		1																1			SPACE		68
69		SPARE	20		1																1			SPACE		70
71		SPACE			1																1			SPACE		72
73		SPACE			1																1			SPACE		74
75		SPACE			1																1			SPACE		76
77		SPACE			1																1			SPACE		78
79		SPACE			1																					80
81		SPACE			1												#10	#10	3/4"		3		30	SPD		82
83		SPACE			1																					84
		MAIN	RATING		POLE	TRIP		100% RATED		SHUNT			COMM.											COMMENTS		
		MAIN LUG ONLY			3																					

NOTE 1: BREAKER SHALL BE PERMANTENTLY MARKED RED AND LOCKABLE IN THE ON POSITION.

	LOAD CLASSIFICATION			DEMAND	KVA (THIS PANEL) A	B	C	KVA (SUB-PANELS) A	B	C	KVA CONNECTED A	B	C	KVA DEMAND A	B	C	
M	MOTOR			100%	0	0	0	0	0	0	0	0	0	0	0	0	CONNECTED (AMPS)	160
K	KITCHEN	APPLIANCE #	0	100%	0	0	0	0	0	0	0	0	0	0	0	0	CONNECTED (KVA)	58
R	RECEPTACLES			10KVA+50%	17	12	13	0	0	0	17	12	13	10	8	8		
L	LIGHTING			100%	2	3	3	0	0	0	2	3	3	2	3	3	DEMAND (AMPS)	115
H	HVAC			100%	0	0	0	0	0	0	0	0	0	0	0	0	DEMAND (KVA)	42
N	N+1 REDUNDANT LOAD			50%	0	0	0	0	0	0	0	0	0	0	0	0		
E	ELECTRIC VEHICLE CHARGER	KVA LIMIT		100%	0	0	0	0	0	0	0	0	0	0	0	0		
O	OTHER			100%	3	4	0	0	0	0	3	4	0	3	4	0	SPARE	25%
	TOTAL LOAD (KVA)				21	19	17	0	0	0	21	19	17	15	15	12		
	TOTAL LOAD (AMPS)				178	162	141	0	0	0	178	162	141	121	124	100	BASIS FOR RATING (AMPS)	144

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FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	RESPONSE TO RFI #32	9/5/2025
2	RESPONSE TO RFI #33	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
PANEL SCHEDULES - BBH

E4.2

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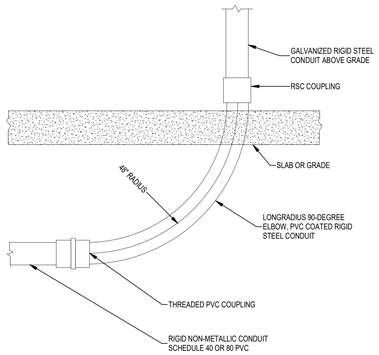
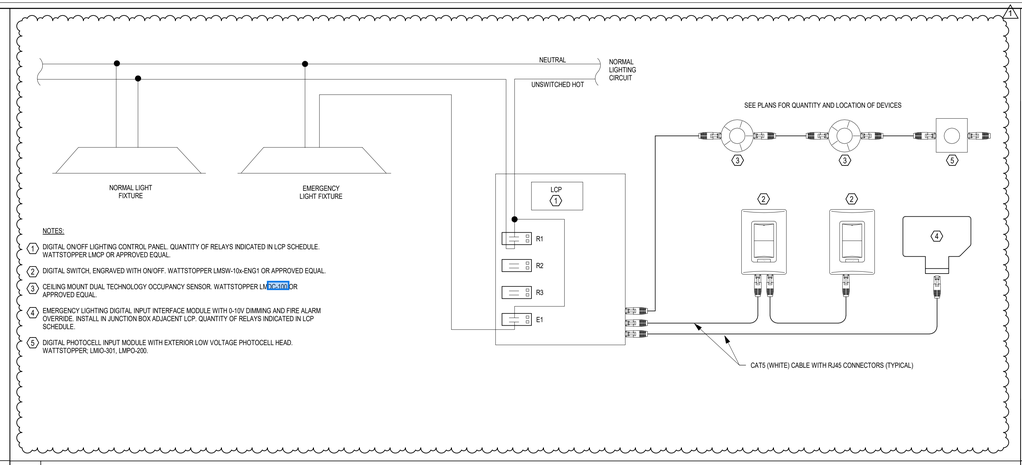
Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt



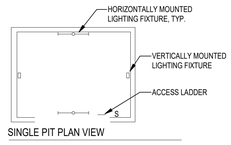
H UNDERGROUND CONDUIT TRANSITION TO ABOVE GRADE



NOTES:

1. DIGITAL ON/OFF LIGHTING CONTROL PANEL. QUANTITY OF RELAYS INDICATED IN LCP SCHEDULE. WATTSTOPPER LMCP OR APPROVED EQUAL.
2. DIGITAL SWITCH, ENGRAVED WITH ON/OFF. WATTSTOPPER LMSW-10x-ENG1 OR APPROVED EQUAL.
3. CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER LMDC-100 OR APPROVED EQUAL.
4. EMERGENCY LIGHTING DIGITAL INPUT INTERFACE MODULE WITH 0-10V DIMMING AND FIRE ALARM OVERRIDE. INSTALL IN JUNCTION BOX ADJACENT LCP. QUANTITY OF RELAYS INDICATED IN LCP SCHEDULE.
5. DIGITAL PHOTOCELL INPUT MODULE WITH EXTERIOR LOW VOLTAGE PHOTOCELL HEAD. WATTSTOPPER; LMIO-301, LMPD-200.

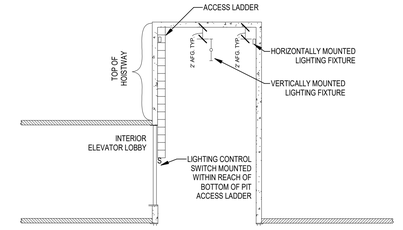
E LIGHTING CONTROL PANEL WIRING DIAGRAM (CORRIDORS) N.T.S



SINGLE PIT PLAN VIEW

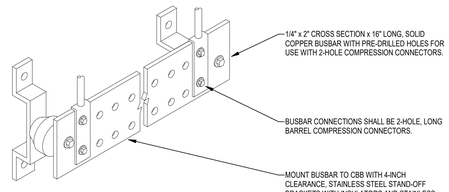
GENERAL NOTES:

1. FIXTURE LAYOUT IS DIAGRAMATIC AND SHOWN FOR CLARITY. COORDINATE FIXTURE LOCATION WITH ELEVATOR EQUIPMENT TO BEST REDUCE SHADOWING WITHIN PIT.
2. PIT FIXTURES TO BE RATED FOR DAMP LOCATIONS.
3. LIGHTING CONTROL SWITCH IS TO BE RATED FOR DAMP LOCATIONS. COORDINATE WITH ELEVATOR EQUIPMENT AND PIT LADDER FOR MOST PRACTICAL LOCATION.



PIT SECTION VIEW

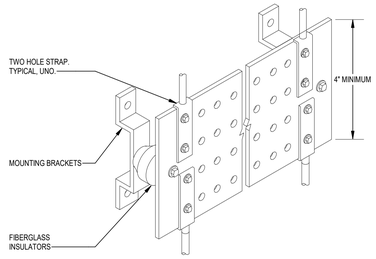
A TYPICAL ELEVATOR PIT LIGHTING LAYOUT N.T.S



NOTES:

1. LENGTH INDICATED IS MINIMUM; PROVIDE SUFFICIENT LENGTH FOR ALL INDICATED TERMINATIONS PLUS 20% SPARE MOUNTING SPACE.

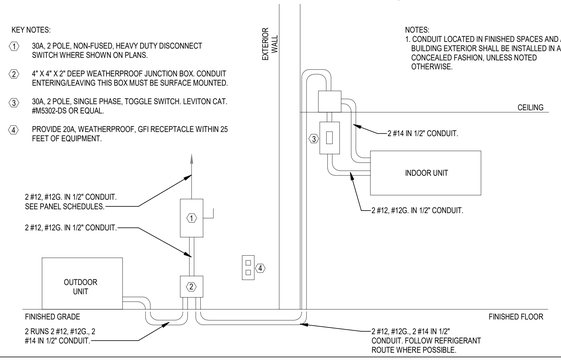
B SECONDARY BONDING BUSBAR (SBB) N.T.S



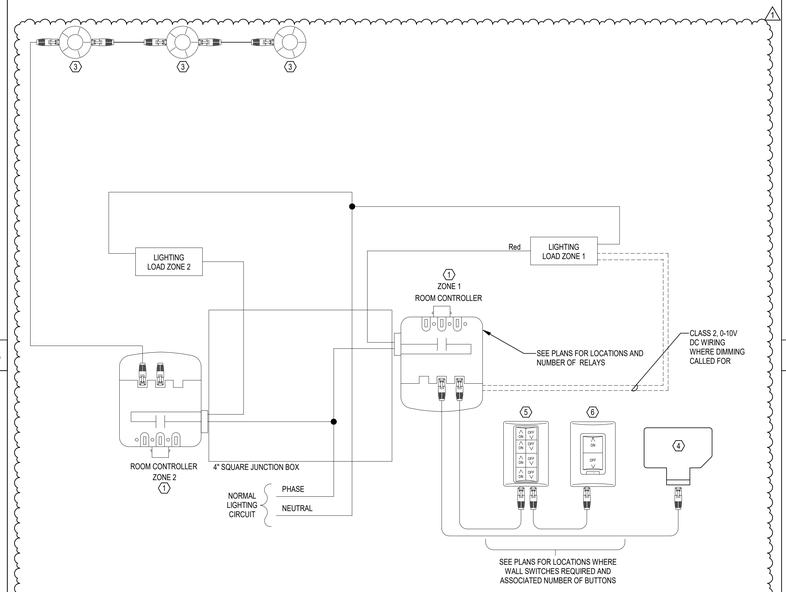
NOTES:

1. PREDRILLED BOLT HOLE SIZE AND SPACING AS REQUIRED FOR INDICATED TERMINATIONS.
2. PROVIDE LENGTH SUFFICIENT FOR ALL INDICATED TERMINATIONS AND 20% SPARE MOUNTING SPACE. CONNECTIONS SHALL UTILIZE TWO HOLE COMPRESSIONS CONNECTORS, UNO.
3. GROUND BAR SHALL BE MOUNTED A MINIMUM 2" OFF OF WALL.
4. FIBERGLASS INSULATORS SHALL HAVE A MINIMUM DIELECTRIC STRENGTH OF 15kV.

C MAIN GROUND BUS BAR (MGB) N.T.S



J SPLIT SYSTEM WIRING DIAGRAM N.T.S



KEY NOTES:

1. DIGITAL ROOM CONTROLLER WITH POWER SUPPLY, 16A RELAY AND 0-10VDC DIMMING
2. NOT USED.
3. CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER LMDC-100 OR APPROVED EQUAL.
4. EMERGENCY LIGHTING DIGITAL INPUT INTERFACE MODULE WITH 0-10V DIMMING AND FIRE ALARM OVERRIDE. INSTALL IN JUNCTION BOX ADJACENT LCP. QUANTITY OF RELAYS INDICATED IN LCP SCHEDULE.
5. KEYPAD WITH BUTTONS ENGRAVED ON/OFF WITH DIM UP & DN ARROWS FOR EACH ZONE.WATTSTOPPER LMSW-10x-ENG2 OR APPROVED EQUAL.
6. TWO BUTTON KEYPAD WITH ENGRAVED BUTTONS FOR MASTER CONTROL. 1) ON 2) OFF. PROGRAM BUTTON TO CONTROL ALL ZONES. WATTSTOPPER LMSW-102-ENG2 OR APPROVED EQUAL.

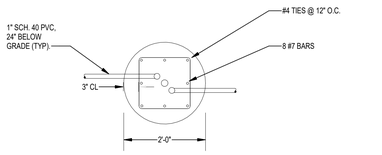
SEQUENCE OF OPERATION:

1. WHERE WALL SWITCH PRESENT, LIGHTING SHALL BE MANUAL ON- AUTOMATIC OFF U.N.O. WHERE MULTIPLE ZONES ARE INDICATED; ZONE 1 SHALL BE AUTOMATIC ON/OFF, REMAINDER OF ZONES SHALL BE MANUAL ON - AUTO OFF. WHERE DIMMING IS INDICATED AUTOMATIC ON SHALL BE SET TO 50%.
2. WHERE NO WALL SWITCH INDICATED LIGHTING SHALL BE AUTOMATIC ON/OFF.
3. ELCR SHALL ACTIVATE EMERGENCY LIGHTING UPON FIRE ALARM SIGNAL.
4. ELCR SHALL ACTIVATE LIGHT IN CONJUNCTION WITH SENSED SWITCHLEG. WHERE DIMMING INDICATED 0-10V CONTROL SHALL MIMIC SENSED ZONE.
5. ELCR SHARE FORCE DIMMED FIXTURES TO 100% UPON LOSS OF POWER OR FIRE ALARM SIGNAL.

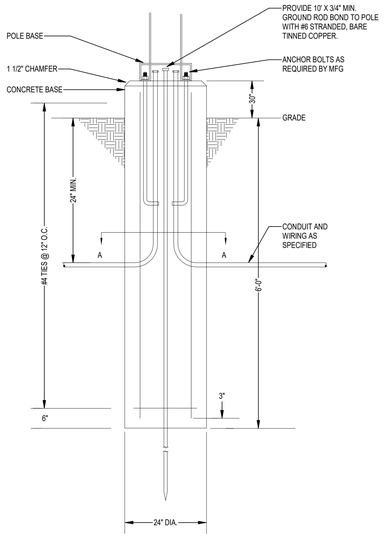
GENERAL NOTES:

1. DETAIL SHOWS TYPICAL ARRANGEMENT - SEE PLANS FOR EXACT ARRANGEMENT AND QUANTITY OF SENSORS, RCs, ELCRs, SHADE CONTROLLERS, AUX. CONTACT CONTROLLERS, ON/OFF BUTTONS, DIMMING BUTTONS, ETC.
2. WHERE INSTALLED IN A PLENUM SPACE INSTALL CONTROLLERS IN SECOND JUNCTION BOX ADJACENT TO POWER JUNCTION BOX.
3. DETAIL SHOWS A 2-ZONE ARRANGEMENT; PROVIDE ADDITIONAL CONTROLLERS OR MULTI-RELAY CONTROLLERS TO MATCH NUMBER OF ZONES INDICATED ON PLANS.
4. CONTRACTOR TO BE RESPONSIBLE FOR THE COORDINATION OF TWO MEETINGS WITH OWNER. ONE MEETING FOR SCENE SELECTION AND A SECOND MEETING FOR CONFIRMATION AND SCENE ADJUSTMENTS DURING PROGRAMING.

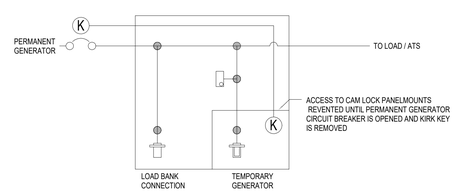
F DIGITAL ROOM LIGHTING CONTROLS N.T.S



SECTION A-A



K ROUND POLE BASE DETAIL N.T.S



G DUAL PURPOSE DOCKING STATION N.T.S.

WARNING

Arc Flash and Shock Risk

Appropriate PPE Required

Arc Flash Protection		Required PPE	
5 in	Arc Flash Boundary	Level 4	Minimum Arc Rating: 40 cal/cm^2
0.16 cal/cm^2	Incident Energy at 18 in	Clothing: Arc-rated shirt & pants + arc-rated coverall + arc-rated arc flash suit.	
Shock Protection		Head, Eye & Hearing Protection: Hardhat + Arc-rated hard hat liner + Safety Glasses or Goggles + Ear Canal Inserts	
208 VAC	Shock Risk When Cover Is Removed	Hand & Arm Protection: Arc-rated Gloves	
42 in	Limited Approach	Glove Class: 00 below 500V	
12 in	Restricted Approach		
1 in	Prohibited Approach		
H2Engineering, Inc. 114 East 5th Ave, Tallahassee, Fl 32303 www.H2Engineering.com		Equipment ID: EQUIPMENT NAME Warning: Changes in equipment settings or system configuration will invalidate the calculated values and PPE requirements.	

NOTE: ELECTRICIAN SHALL PROVIDE COLORED ARC FLASH WARNING LABELS ON ADHESIVE MATERIAL FOR ALL ELECTRICAL PANELS AND OTHER EQUIPMENT LIKELY TO BE EXAMINED AND ADJUSTED WHILE ENERGIZED PER NEC 2017 SECTION 110.16. PRIOR TO COMPLETION, CONTACT ENGINEER FOR AN ELECTRONIC COPY OF LABELS. LABELS SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

D EXAMPLE ARC FLASH HAZARD LABEL N.T.S

H2E ENGINEERING
114 EAST 5th AVENUE TALLAHASSEE, FL 32303
PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No: 24179

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Florida Registry #1485
Trey Gossett, P.E. #74634

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS
Clemons,Rutherford, & Associates, Inc.
Architects
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Interior Designers
Construction Managers
2027 Thomasville Road
Tallahassee, Florida 32308
phone 850-385-6153
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cra@clemons-rutherford.com

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date
1	RESPONSE TO RFI #32	9/5/2025

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

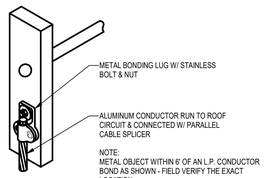
SHEET TITLE
DETAILS

E5.1

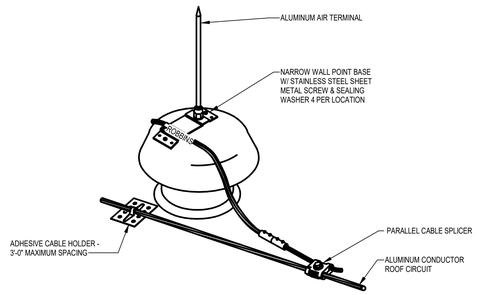
Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
9/5/2025 5:33:17 PM

M — N.T.S.

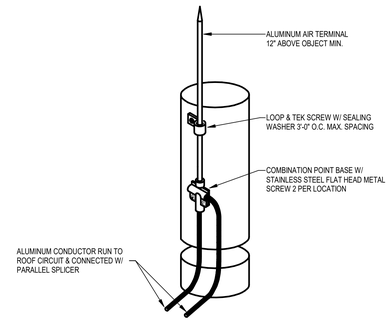
H — TYPICAL MISCELLANEOUS BOND — N.T.S



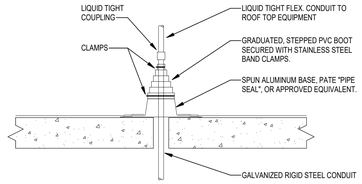
E — TYPICAL EXHAUST FAN TERMINAL — N.T.S



A — TYPICAL FLUE AIR TERMINAL — N.T.S



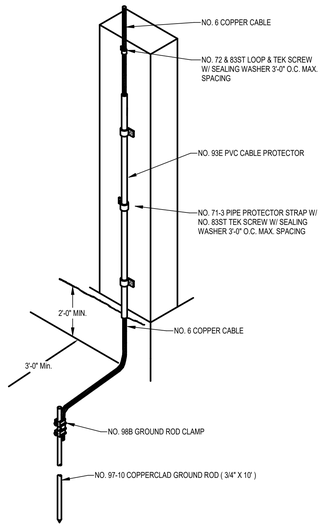
J — ROOF PIPE SEAL DETAIL — N.T.S.



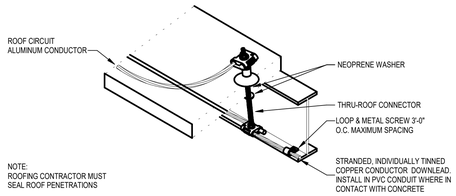
NOTES:

1. INSTALL PIPE SEAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND CONSISTENT WITH ROOF CONSTRUCTION.

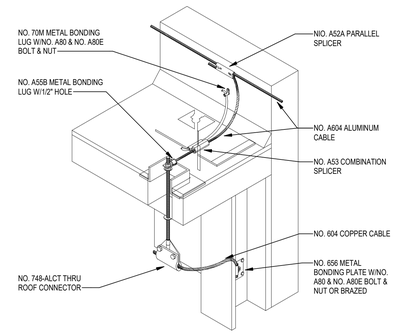
F — TYPICAL DOWNLEAD & GROUND — N.T.S



B — TYPICAL THRU-ROOF CABLE CONNECTION — N.T.S

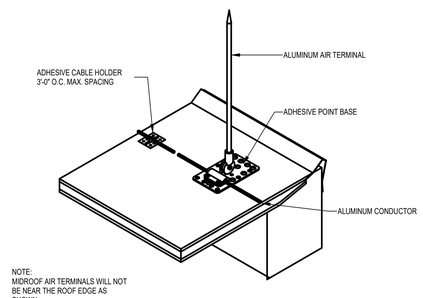


C — TYPICAL THRU ROOF AN COLUMN BOND — N.T.S



TYPICAL THRU ROOF AND COLUMN BOND

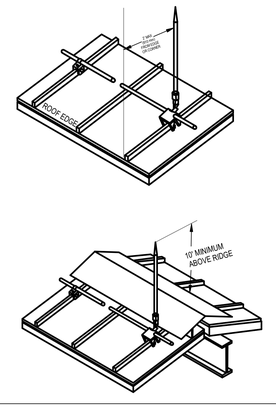
G — TYPICAL ADHESIVE AIR BASED TERMINAL — N.T.S



NOTE:
MIDROOF AIR TERMINALS WILL NOT BE NEAR THE ROOF EDGE AS SHOWN.

NOTE:
POINT BASE & CABLE HOLDER WILL BE SET IN AN ADHESIVE COMPUND.

D — TYPICAL STANDING SEAM ROOF BASE & CABLE FASTENER — N.T.S



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H2E ENGINEERING
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Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

E5.2

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	
METAL PIPES OR CONDUIT (1000-1999)	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-S SIL GG, CFS-D, MINERAL WOOL
	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	
NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL, CP 644, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, CP 648
	2	F-A 2053, F-A 2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	
SINGLE OR BUNDLED CABLES (3000-3999)	1	F-A-3007, C-AJ-3095, C-AJ-3180, C-AJ-3283	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	CP 680, CP 653, FS-ONE MAX, CP 618, CP 606, CFS-D, CFS-CC
	2	F-A-3007, C-AJ-3095, C-AJ-3334, F-A-3060	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167, W-J-3189	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	
MIXED PENETRANTS (8000-8999)	1	C-AJ-8099, C-AJ-8056, C-AJ-8143	C-AJ-8099, C-AJ-8056, W-J-8007, C-AJ-8143	W-L-1095, W-L-8013	FS-ONE MAX, CFS-BL, CP 620, CP 618
	2	C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143, C-AJ-8252	W-L-1095, W-L-8013	

NOTES:

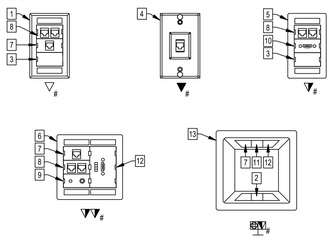
1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURERS: HILTI, RECTORSEAL, 3M, STL.

RESPONSIBILITY MATRIX FOR TELECOMMUNICATIONS

NOTE: THIS MATRIX IS INTENDED TO INDICATE A GENERAL LISTING OF THE WORK AND MATERIALS TO BE FURNISHED AND INSTALLED BY THE VARIOUS TRADES FOR COORDINATION PURPOSES ONLY. IT IS NOT INTENDED TO TO BE ALL INCLUSIVE. EACH TRADE IS RESPONSIBLE FOR FURNISHING AND INSTALLING THEIR RESPECTIVE COMPLETE AND WORKING SYSTEM. REFER TO DRAWINGS AND SPECIFICATIONS FOR THE EXTENT OF WORK INVOLVED.

AREA OF WORK / CATEGORY OF EQUIPMENT	FURNISHED BY					INSTALLED BY					COMMENTS
	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	
TELECOMMUNICATIONS													
DIAL TONE SERVICES AND ASSOCIATED RACKS AND EQUIPMENT		X						X					
NETWORK ROUTER		X							X				
NETWORK ACCESS & DISTRIBUTION SWITCHES			X						X				
NETWORK SERVERS. OPERATING SYSTEM SOFTWARE		X							X				
WORKSTATION COMPUTERS, OPERATING SYSTEM SOFTWARE, APPLICATION SOFTWARE, PRINTERS, COPIERS, CUSTOMER PREMISE EQUIPMENT		X						X					
COPPER PATCH CORDS AT WORKSTATION OUTLETS		X						X					
WIRELESS ACCESS POINTS			X						X				
COPPER PATCH CORDS AT PATCH PANELS TO ACCESS SWITCHES			X						X				
ABOVEGROUND AND UNDERGROUND RACEWAY SYSTEM. INCLUDING HAND HOLES, PULL BOXES, CONDUITS, CABLE TRAYS, BACK BOXES, SLEEVES THRU WALLS AND FLOORS		X						X					
FLOOR BOXES, WALL BOXES & POKE THROUGHS & TABLE TOP BOXES AND SERVICE FITTINGS INCLUDING ELECTRICAL DEVICES AND EMPTY PLATES TO ACCEPT TELECOMMUNICATION MODULES.		X						X					
COMMUNICATION BACKBOARDS			X						X				
GROUNDING BUSBARS AND BOND TO BUILDING GROUND			X						X				
RACEWAY SYSTEM GROUNDING. TO ASSURE CONTINUOUS GROUND THROUGHOUT			X						X				
EQUIPMENT RACKS			X						X				
RACK MOUNTED UNINTERRUPTABLE POWER SUPPLIES AND POWER DISTRIBUTION UNITS			X						X				
POPULATED FIBER AND COPPER PATCH PANELS			X						X				
LADDER RACK IN EQUIPMENT & TELECOMMUNICATION ROOMS			X						X				
J-HOOKS PATHWAY FROM WORKSTATION STUB-UP ABOVE CEILING TO CABLE TRAY, TELECOMMUNICATION ROOM, OR CONDUIT PATHWAY PROVIDED BY ELECTRICAL CONTRACTOR			X						X				
BONDING OF RACKS, CABINETS, LADDER RACK AND OTHER TELECOM CONTRACTOR PROVIDED EQUIPMENT TO TELECOM GROUND BUS BAR			X						X				
WORKSTATION OUTLET FACEPLATES AND MODULAR PLUGS			X						X				
HORIZONTAL CABLE BETWEEN WORKSTATION MODULAR PLUG AND PATCH PANEL INCLUDING TERMINATIONS			X						X				
BACKBONE CABLE AND/OR PATCH CORDS BETWEEN EQUIPMENT ROOM DISTRIBUTION SWITCHES OR PATCH PANELS INCLUDING TERMINATIONS			X						X				
BACKBONE CABLE BETWEEN SERVICE PROVIDER DEMARC AND DISTRIBUTION SWITCHES OR PATCH PANELS INCLUDING TERMINATIONS			X						X				
SURGE PROTECTION DEVICES FOR COPPER CABLING TO EXTERIOR DEVICES			X						X				
FIRESTOPPING OF SLEEVES AFTER NETWORK CABLES ARE PULLED			X						X				
IDENTIFICATION AND LABELING			X						X				
PERMANENT LINK TESTING AND DOCUMENTATION AFTER INSTALLATION			X						X				

TELECOMMUNICATIONS FACEPLATE LEGEND

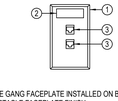


NOTES:

1. CONFIGURATIONS DEPICTED ABOVE ARE EXAMPLES - SEE TELECOMMUNICATION OUTLET SCHEDULE FOR CABLE CONNECTION TYPE, QUANTITY AND SIZE OF BOX.
2. FACEPLATE MATERIAL: TYPE 304 BRUSHED STAINLESS STEEL TO MATCH ELECTRICAL DEVICES.
3. JACK: MODULAR, COLOR TO MATCH CABLE JACKET - SEE TELECOMMUNICATIONS OUTLET SCHEDULE.
4. MODULES: COLOR TO MATCH ELECTRICAL DEVICES IN SAME ROOM.

1. SINGLE GANG, FACEPLATE WITH LABEL FIELDS. HUBBELL IMMSS1 OR APPROVED EQUAL. SEE TELECOMMUNICATION OUTLET SCHEDULE FOR PORT QUANTITY.
2. SINGLE GANG, SPD RECEPTACLE AND BACK BOX PROVIDED BY ELECTRICAL CONTRACTOR.
3. BLANK MODULE, COLOR TO MATCH FACEPLATE. PROVIDE FOR ALL UNUSED PORTS.
4. SINGLE GANG WALL PHONE PLATE WITH ONE 8-PIN CAT-6 RECESSED MODULAR VOICE JACK. HUBBELL; SPKR OR APPROVED EQUAL.
5. SINGLE GANG, MULTI-MEDIA, MODULAR FACEPLATE WITH LABEL FIELDS. HUBBELL; IMSS1 OR APPROVED EQUAL.
6. DUAL GANG, MULTI-MEDIA, MODULAR FACEPLATE WITH LABEL FIELDS. HUBBELL; IMSS2 OR APPROVED EQUAL.
7. ANGLED PORT MODULE WITH ONE (1) DATA JACK, SEE TELECOMMUNICATIONS OUTLET SCHEDULE FOR CABLE AND CONNECTION TYPE.
8. ANGLED PORT MODULE WITH TWO (2) DATA JACK, SEE TELECOMMUNICATIONS OUTLET SCHEDULE FOR CABLE AND CONNECTION TYPE.
9. AUDIO MODULE, SEE AUDIO VISUAL DIAGRAMS FOR CABLES AND CONNECTION TYPES.
10. HDMI MODULE, SEE AUDIO VISUAL DIAGRAMS FOR CABLES AND CONNECTION TYPES.
11. DVI MODULE, SEE AUDIO VISUAL DIAGRAMS FOR CABLES AND CONNECTION TYPES.
12. 1-GANG DECORATOR PLATE FOR HDMI OVER HDBaseT RECEIVER - SEE AUDIO VISUAL DIAGRAMS FOR CABLES AND CONNECTION TYPES.
19. TWO GANG AUDIO/VISUAL IN-WALL ENCLOSURE FOR FLAT PANEL DISPLAY, TWO SINGLE GANG MULTI-MEDIA MODULAR FACEPLATES, AND COVER WITH CABLE CUTOUT. HUBBELL: NSAV62M, NSAV8C, IMF1W(x2) OR APPROVED EQUAL. USE FLAT MODULES IN IN-WALL ENCLOSURE. ELECTRICAL CONTRACTOR TO PROVIDE IN-WALL ENCLOSURE; TELECOMMUNICATIONS CONTRACTOR SHALL PROVIDE DATA JACKS AND ASSOCIATED MODULES.

FACEPLATE ELEVATION



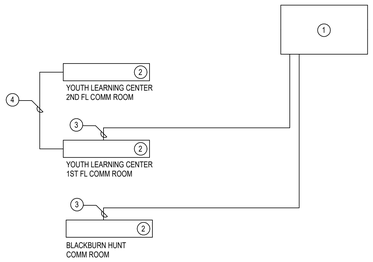
1. SINGLE GANG FACEPLATE INSTALLED ON BACKBOX. MATCH ADJACENT RECEPTACLE FACEPLATE FINISH.
2. LABEL FIELD WITH SNAP-IN PLASTIC COVER.
3. CAT 6 JACK WITH CAT 6 UTP CABLE TO COMMUNICATIONS CLOSET. TERMINATE CABLE USING TIA 568A CONFIGURATION.

TELECOMMUNICATIONS OUTLET SCHEDULE

TYPE	FACEPLATE			COPPER JACK MODULES					HORIZONTAL CABLE				TERMINATION		NOTES
	GANG	PORTS	QTY	PERF.	CONN.	KEYED	SHIELD	SHUTTER	COLOR	TYPE	CAT-6	CMP	STRANDS	COLOR	1G	10G	
D1	1	1	1	CAT-6	8P8C	NO	UTP	NO	BLUE	UTP	CAT-6	CMP		BLUE	X		
D2	1	2	2	CAT-6	8P8C	NO	UTP	NO	BLUE	UTP	CAT-6	CMP		BLUE	X		
D4	1	4	4	CAT-6	8P8C	NO	UTP	NO	BLUE	UTP	CAT-6	CMP		BLUE	X		
D6	1	6	6	CAT-6	8P8C	NO	UTP	NO	BLUE	UTP	CAT-6	CMP		BLUE	X		
H	2	1	1	HDMI	HDMI	NO			NO	BLACK		HDMI	CMP		BLACK			9
W			2	CAT-6A	8P8C	NO	UTP	NO	GREEN	UTP	CAT-6A	CMP		GREEN		X	4
Z	1																5

NOTES:

1. COPPER PINOUTS SHALL BE T568-B UNLESS NOTED OTERWISE.
2. TERMINATE CABLES IN PATCH PANELS WITH SAME COLOR DESIGNATION ON RACK LAYOUT DRAWINGS, UNLESS NOTED OTHERWISE.
3. PROVIDE BLANK MODULE FOR UNUSED PORTS IN FACEPLATE; COLOR SHALL MATCH FACEPLATE.
4. OUTLET TYPE "W": WHERE RUN TO WIRELESS ACCESS POINTS, PROVIDE MALE PLUG IN LIEU OF FACEPLATE AND MODULE.
5. OUTLET TYPE "2": OUTLET FOR FUTURE USE, PROVIDE BLANK MODULE FOR UNUSED PORTS.
6. ELECTRICAL CONTRACTOR TO PROVIDE WALL BOX, FLOOR BOX, OR POKE THROUGH.
7. TELECOM CONTRACTOR TO PROVIDE FACEPLATE, RJ-45 JACK MODULES, FILLER FOR EMPTY SPACES, AND CABLING BETWEEN DEVICES.
8. CONFIRM CABLE AND JACK COLORS WITH OWNER'S IT DEPARTMENT.
9. OUTLET TYPE "H": PROVIDE HDMI JACK ALONG WITH OTHERS AT OUTLET IN COMMON FACEPLATE. INSTALL HDMI CABLE BETWEEN HDMI ENDPOINTS IN ROOM.



GENERAL NOTE:
SEE SITE PLAN FOR LOCATIONS OF BUILDINGS .

1. EXISTING MDF IN EXISTING BUILDING.
2. CORNING 1 RMU RACK MOUNT CORNING CLOSET CONNECTOR HOUSING, WITH 1 DUPLEX LC CONNECTOR PANEL AND 1 BLANK PANEL.
3. 24 STRAND INDOOR/OUTDOOR RATED OS2 SINGLE MODE FIBER OPTIC BACKBONE CABLE. TERMINATE USING LC CONNECTORS.
4. 24 STRAND RISED RATED OS2 SINGLE MODE FIBER OPTIC BACKBONE CABLE. TERMINATE USING LC CONNECTORS.

1 FIBER DATA BACKBONE RISER DIAGRAM
SCALE: N.T.S

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. BICSI
   - a. ANSI/BICSI 001 — INFORMATION AND COMMUNICATIONS TECHNOLOGY SYSTEMS DESIGN AND IMPLEMENTATION BEST PRACTICES FOR EDUCATIONAL INSTITUTIONS AND FACILITIES.
   - b. ANSI/BICSI 002 — DATA CENTER DESIGN AND IMPLEMENTATION BEST PRACTICES.
   - c. ANSI/BICSI 003 — BUILDING INFORMATION MODELING (BIM) PRACTICES FOR INFORMATION TECHNOLOGY SYSTEMS.
   - d. ANSI/BICSI 004 — INFORMATION COMMUNICATION TECHNOLOGY SYSTEMS DESIGN AND IMPLEMENTATION BEST PRACTICES FOR HEALTHCARE INSTITUTIONS AND FACILITIES.
   - e. ANSI/BICSI 005 — ELECTRONIC SAFETY AND SECURITY (ESS) SYSTEM DESIGN AND IMPLEMENTATION BEST PRACTICES.
   - f. ANSI/BICSI 006 — DISTRIBUTED ANTENNA SYSTEM (DAS) DESIGN AND IMPLEMENTATION BEST PRACTICES.
   - g. ANSI/BICSI 007 — INFORMATION COMMUNICATIONS TECHNOLOGY DESIGN AND IMPLEMENTATION PRACTICES FOR INTELLIGENT BUILDINGS AND PREMISES.
   - h. ANSI/BICSI 008 — WIRELESS LOCAL AREA NETWORK (WLAN) SYSTEM DESIGN AND IMPLEMENTATION BEST PRACTICES.
   - i. BICSI 009 — DATA CENTER OPERATIONS AND MAINTENANCE BEST PRACTICES.
   - j. BICSI GI — ICT OUTSIDE PLANT CONSTRUCTION AND INSTALLATION: GENERAL RACTICES.
   - k. BICSI G2.1 — ICT OUTSIDE PLANT CONSTRUCTION AND INSTALLATION: POLE SETTING, ANCHORING, AND GUYING.
   - l. BICSI G2.2 — ICT OUTSIDE PLANT CONSTRUCTION AND INSTALLATION: INSTALLATION AND LASHING OF AERIAL CABLING.
   - m. ANSI/BICSI N1 — INSTALLATION PRACTICES FOR TELECOMMUNICATIONS AND ICT CABLING AND RELATED CABLING INFRASTRUCTURE.
   - n. ANSI/BICSI N2 — PRACTICES FOR THE INSTALLATION OF TELECOMMUNICATIONS AND ICT CABLING INTENDED TO SUPPORT REMOTE POWER APPLICATIONS.
   - o. ANSI/BICSI N3 — PLANNING AND INSTALLATION METHODS FOR THE BONDING AND GROUNDING OF TELECOMMUNICATION AND ICT SYSTEMS AND INFRASTRUCTURE.
2. FLORIDA STATUTES
   - a. CHAPTER 471 — ENGINEERING
   - b. CHAPTER 533.80 — BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.

THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

TELECOMMUNICATION ROUGH-IN

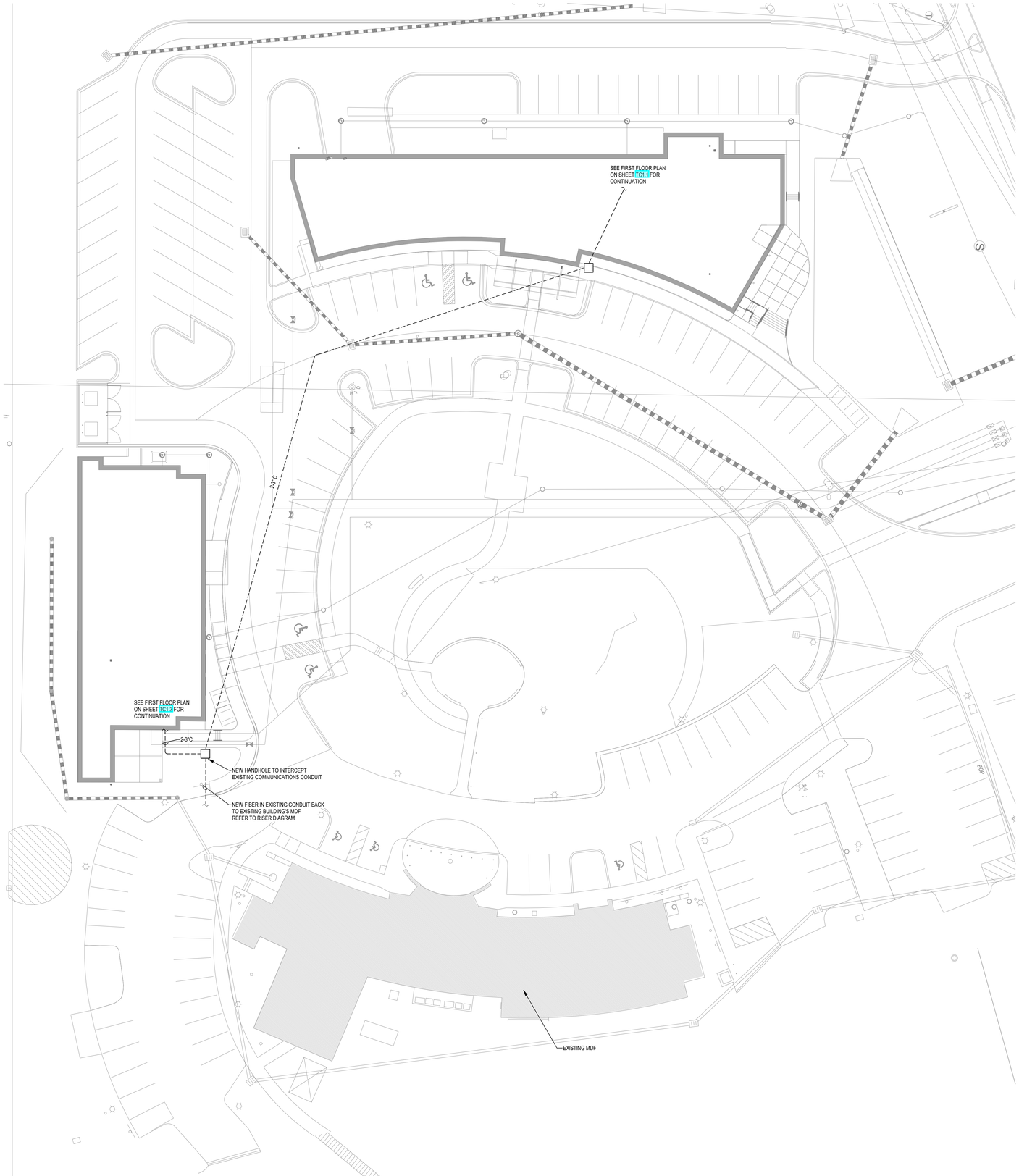
▽#	COMMUNICATIONS TERMINAL OUTLET - # INDICATES SCHEDULE TYPE - 4 11/16" SQUARE x 3 1/4" DEEP OUTLET BOX, WITH 1-GANG PLASTER RING. # INDICATES SCHEDULE TYPE. MOUNT AT 18" AFF, UNO. ROUTE 1" CONDUIT UP WALL OUT ABOVE ACCESSIBLE CEILING, WHERE CEILING IS INACCESSIBLE EXTEND CONDUIT TO ACCESSIBLE CEILING PROVIDE J-HOOK PATHWAY FROM TERMINATION TO COMMUNICATIONS ROOM.
▼#	MULTI-MEDIA COMMUNICATIONS TERMINAL OUTLET - # INDICATES SCHEDULE TYPE - 4 11/16" SQUARE x 3 1/4" DEEP BACK BOX WITH 1-GANG PASTER RING. ROUTE 1" CONDUIT FOR DATA AND 1 1/4" CONDUIT FOR AV UP WALL TO ABOVE ACCESSIBLE CEILING AND PROVIDE BUSHINGS; WHERE CEILING IS INACCESSIBLE EXTEND CONDUITS TO ACCESSIBLE CEILING. PROVIDE J-HOOK PATHWAY FROM TERMINATIONS TO COMMUNICATIONS ROOM OR ELSEWHERE AS INDICATED.
▽#	WIRELESS ACCESS POINT - # INDICATES SCHEDULE TYPE - 4 11/16" SQUARE x 2 1/8 DEEP OUTLET BOX, SUPPORTED BY 3/8" THREADED ROD TO STRUCTURE ABOVE. WHERE CEILING IS INACCESSIBLE, ROUTE 1" CONDUIT TO ACCESSIBLE CEILING AND PROVIDE BUSHING. PROVIDE J-HOOK PATHWAY FROM TERMINATION TO COMMUNICATIONS ROOM. WAP INDOOR MODEL: ARUBA, AP-655 OR APPROVED EQUAL. WAP OUTDOOR MODEL: ARUBA, AP-575 OR APPROVED EQUAL. SEE TYPICAL INDOOR & OUTDOOR INSTALLATION DETAILS.
	4" (UNO) SLEEVE OR CONDUIT ABOVE CEILING. AFTER CABLES ARE PULLED SEAL CONDUIT INTERIOR IN ACCORDANCE WITH A UL LISTED DETAL TO MAINTAIN INDICATED FIRE OR SMOKE RATING WHERE RATED WALL OR FLOOR IS PENETRATED.
CBB	TELECOMMUNICATIONS BACKBOARD - EXTERIOR GRADE PLYWOOD. 8' HIGH x 3/4" THICK ON 3 WALLS OF ROOM OR AS SHOWN ON PLANS. BOTTOM OF CBB SET AT 12" AFF. PAINT WITH 2 COATS OF GRAY FIRE RETARDANT PAINT.
TGB	TELECOMMUNICATIONS GROUNDING BAR.
	FLOOR MOUNT 2-POST EQUIPMENT RACK WITH VERTICAL WIRE MANAGERS
	FLOOR MOUNT EQUIPMENT CABINET
	LADDER RACK ABOVE TOP OF EQUIPMENT RACKS. PROVIDE RUNWAY CORNER BRACKET AT CORNERS AND CABLE RADIUS DROP INTO TOP OF RACKS. PROVIDE ALL HARDWARE NECESSARY FOR A COMPLETE SYSTEM.
▽V	FLOOR BOX MOUNTED COMMUNICATIONS TERMINAL OUTLET. COMMUNICATIONS CONTRACTOR TO PROVIDE FRAME INSERT JACKS, CABLING AND BLANK COVERS FOR UNUSED PORTS. ROUTE 1" CONDUIT FOR DATA AND 1 1/4" CONDUIT FOR AV (U.N.O.) BELOW FLOOR UP WALL TO ABOVE ACCESSIBLE CEILING AND PROVIDE BUSHINGS; WHERE CEILING IS INACCESSIBLE EXTEND CONDUITS TO ACCESSIBLE CEILING. PROVIDE J-HOOK PATHWAY FROM TERMINATIONS TO CABLE TRAY OR ELSEWHERE AS INDICATED.
▽V	WALL BOX MOUNTED COMMUNICATIONS TERMINAL OUTLET. WALLBOX PROVIDED BY ELECTRICAL CONTRACTOR. COMMUNICATIONS CONTRACTOR TO PROVIDE FRAME INSERT JACKS, CABLING AND BLANK COVERS FOR UNUSED PORTS. CONDUIT REQUIREMENTS SAME AS WALL MOUNT OUTLET U.N.O.
	POKE THROUGH FITTING MOUNTED COMMUNICATIONS TERMINAL OUTLET. DECOR FRAME INSERT WITH KEYSTONE OPENINGS PROVIDED WITH POKE THROUGH. COMMUNICATIONS CONTRACTOR TO PROVIDE JACKS, CABLING AND BLANK COVERS FOR UNUSED PORTS. ROUTE 1" CONDUIT FOR DATA AND 1 1/4" CONDUIT FOR AV (U.N.O.) BELOW FLOOR UP WALL TO ABOVE ACCESSIBLE CEILING AND PROVIDE BUSHINGS; WHERE CEILING IS INACCESSIBLE EXTEND CONDUITS TO ACCESSIBLE CEILING. PROVIDE J-HOOK PATHWAY FROM TERMINATIONS TO CABLE TRAY OR ELSEWHERE AS INDICATED.

GENERAL NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023, THE FLORIDA FIRE PREVENTION CODE, THE NATIONAL ELECTRICAL CODE 2020 EDITION, AND ALL CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS.
3. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH.
4. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
5. THE CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMANDS AND LICENSE FEES IN CONNECTION WITH HIS WORK.
6. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES.
7. WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
8. ERECT AND MAINTAIN REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
9. COORDINATE AND SEQUENCE DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
10. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
11. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EQUIPMENT AND MATERIALS.
12. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
13. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION.
14. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
15. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
16. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
17. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
18. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
19. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
20. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
21. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
22. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
23. REMOVE AND RE-INSTALL EXISTING CEILING TILE AS REQUIRED. REPLACE ANY TILE DAMAGED OR SOILED DURING CONSTRUCTION.
24. SEAL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.
25. REPLACE SIDEWALKS OR PAVEMENT DAMAGED BY OR DURING CONSTRUCTION OF THIS PROJECT.
26. REMOVE ALL SHRUBBERY, PLANTS, ETC. WHICH INTERFERE WITH WORK UNDER THIS CONTRACT. REPLANT AND/OR REPLACE ALL PLANTS, SHRUBBERY, ETC. AT COMPLETION OF JOB. ALL DISTURBED AREAS OF SOIL SHALL BE RESODDED. REPLACEMENT OF REPLANTING TO BE GUARANTEED FOR ONE YEAR.
27. RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK.
28. CONTRACTOR SHALL COMPLY WITH "TRENCH SAFETY ACT" (FLORIDA STATUTE 553 PART III) AND OSHA STANDARD 29 CFR 1926.650 SUBPART P FOR ALL UTILITY TRENCHES IN EXCESS OF 5 FEET DEEP. CONTRACTOR SHALL INDICATE WITHIN HIS BID RESPONSE A REFERENCE TO THE TRENCH SAFETY STANDARD AND A SEPARATE LINE ITEM COST OF COMPLIANCE WITH STANDARD.

TELECOMMUNICATION NOTES

1. THIS CONTRACTOR SHALL PROVIDE ALL RACEWAYS, TRAY, SUPPORTS, GROUNDING, SLEEVES, AND IDENTIFICATION ASSOCIATED WITH THIS CONTRACTOR'S SCOPE OF WORK. REFER TO THE FOLLOWING DIVISION 26 SPECIFICATION SECTIONS FOR APPLICABLE SCOPE OF WORK FOR THIS CONTRACTOR:
   - 260526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS
   - 260529 HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS
   - 260533 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS
   - 260536 CABLE TRAYS FOR ELECTRICAL SYSTEMS
   - 260543



North 1 SITE PLAN
1" = 20'-0"

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Daniel R. Haberfeld, P.E. #91238

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

Clemons,Rutherford, & Associates, Inc.

Architects
Planners
Interior Designers
Construction Managers

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	DRH
50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

SITE PLAN - TELECOMMUNICATIONS

TC1.0

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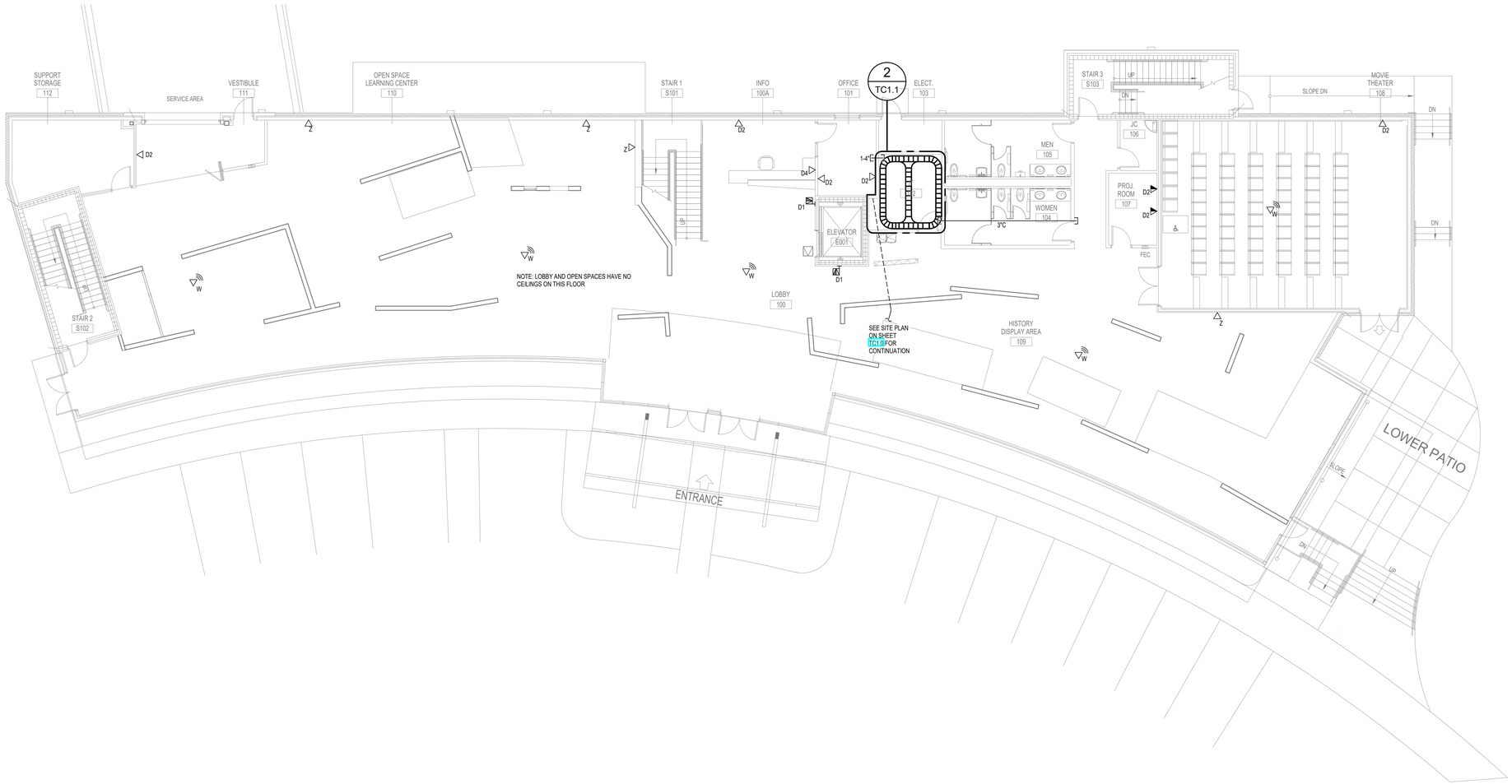
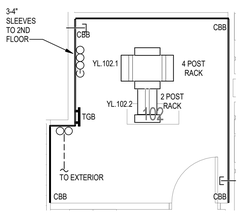


North 1 FIRST FLOOR PLAN
1/8" = 1'-0"



2 TC1.1 ENLARGED TELECOM ROOM - YLC FIRST FLOOR
1/4" = 1'-0"

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MAHAN DRIVE
TALLAHASSEE, FL.

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50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER - 1ST FLOOR PLAN

TC1.1

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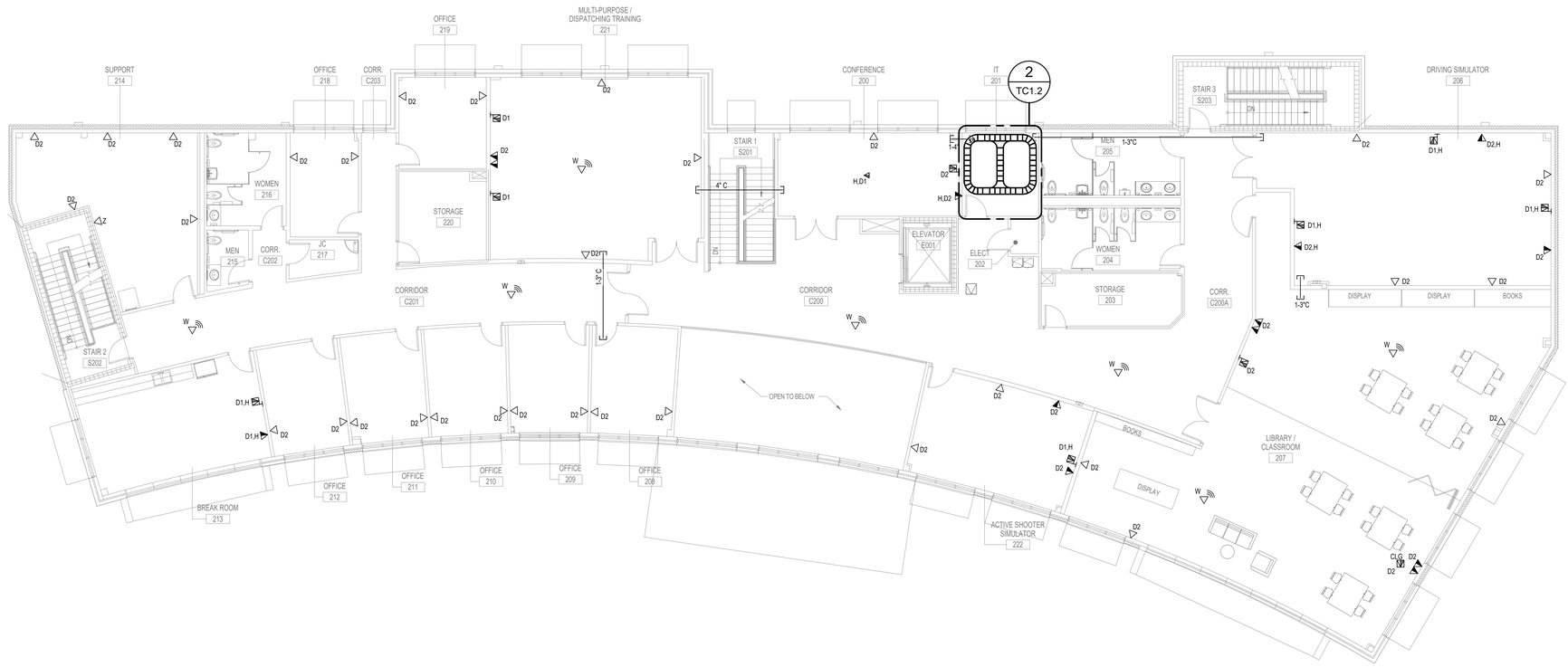
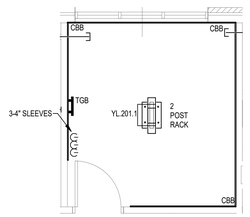


North 1 SECOND FLOOR PLAN
1/8" = 1'-0"



2 TC1.2 ENLARGED TELECOM ROOM - YLC SECOND FLOOR
1/4" = 1'-0"

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50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 2ND FLOOR PLAN

TC1.2

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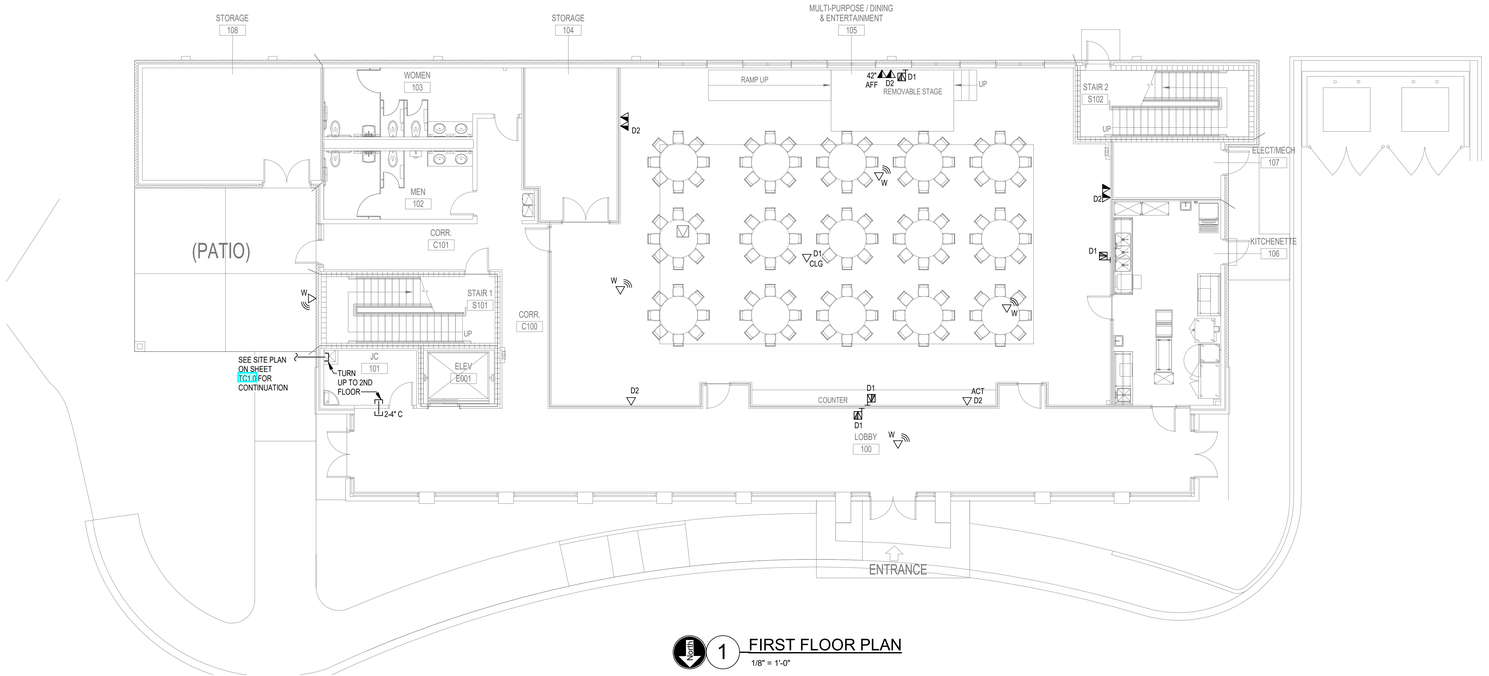
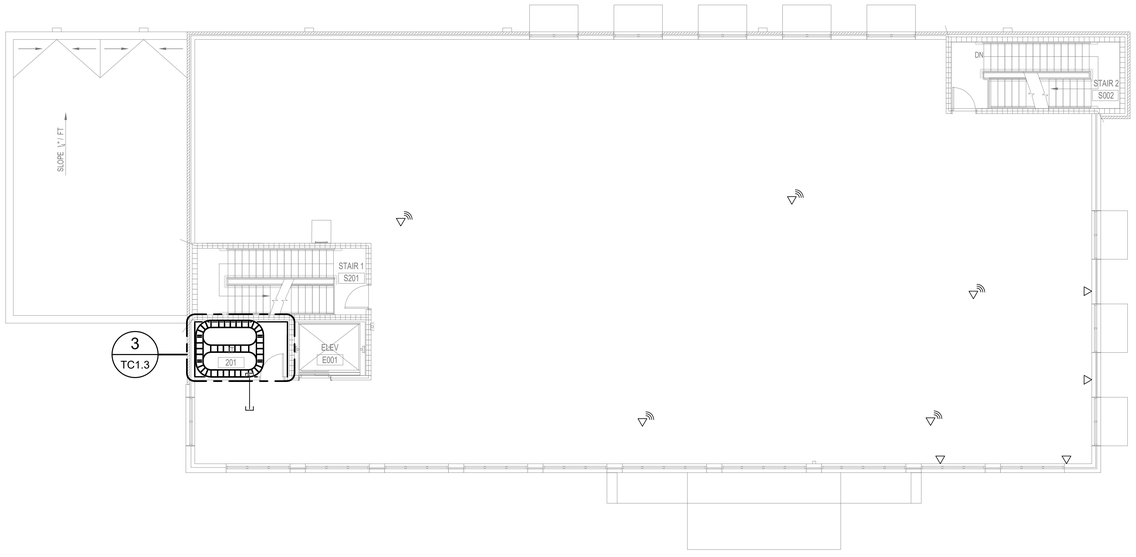
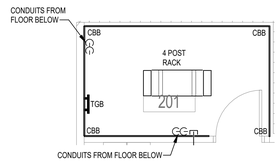


1 FIRST FLOOR PLAN
1/8" = 1'-0"



2 SECOND FLOOR PLAN
1/8" = 1'-0"



3 ENLARED TELECOM ROOM - BBH SECOND FLOOR
1/4" = 1'-0"

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Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BUILDING

TC1.3

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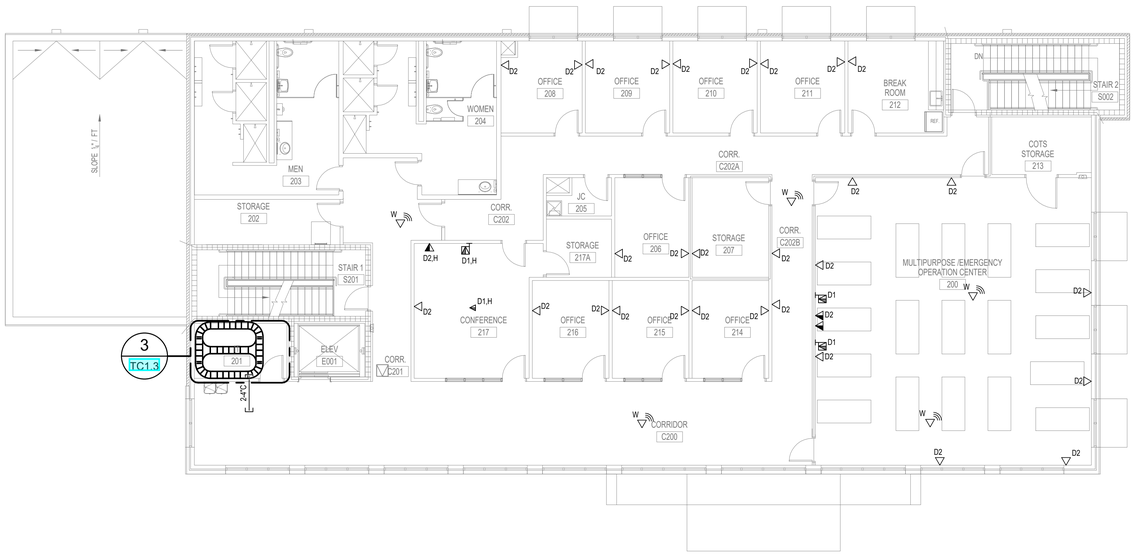

1 SECOND FLOOR PLAN - ADD ALTERNATE

1/8" = 1'-0"

ENGINEERING
114 EAST 5th AVENUE TALLAHASSEE, FL 32303
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H2E PROJECT No. 24179

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Florida Registry #5485
Daniel R. Haberfeld, P.E. #91238

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

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The Drawings, Specifications and other documents prepared by Clemons, Rutherford & Associates, Inc. (CRA) for this Project are instruments of CRA for use solely with respect to this Project and, unless otherwise provided, CRA shall be deemed the author of these documents and shall retain all common law, statutory and other reserved rights, including the copyright. The Owner shall be permitted to retain copies, including reproducible copies, of CRA's Drawings, Specifications and other documents for information and reference in connection with the Owner's use and occupancy of the Project. CRA's Drawings, Specifications or other documents shall not be used by the Owner or others on other projects, for documents shall not be used by the Owner or others on other projects, for additions to this Project or for completion of this Project by others, unless the Architect is adjudged to be in default under this Agreement, except by agreement in writing and with appropriate compensation to CRA.

Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	
50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT BUILDING - 2ND FLOOR PLAN - ADD ALT.

TC1.3A

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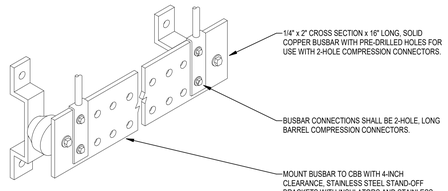
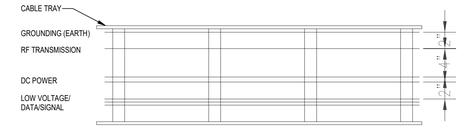


NOTES:

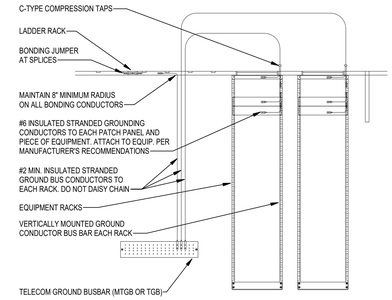
1. LENGTH INDICATED IS MINIMUM; PROVIDE SUFFICIENT LENGTH FOR ALL INDICATED TERMINATIONS PLUS 20% SPARE MOUNTING SPACE.

E SECONDARY BONDING BUSBAR (SBB)

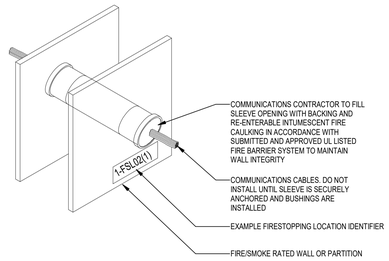


1. CABLE GROUPS SHALL BE SEPARATED A MINIMUM OF 2 INCHES FROM OTHER CABLE GROUPS. (SEE ANSI/TIA/EIA-568(C) AND 569(B); NFPA 70-2005, ARTICLES 800-133, 800-18, AND 820-133 FOR ADDITIONAL INFORMATION.
2. TRANSMISSION LINES (COAX) FOR TRANSMITTING STATIONS SHALL BE SEPARATED A MINIMUM OF 4 INCHES FROM ELECTRICAL LIGHTS, POWER, AND SIGNALING CIRCUITS (NFPA 70-2005, ARTICLE 810.70).
3. GROUPS ARE DEFINED AS:
   A. AC POWER, DC POWER, GROUND CONDUCTOR AND RF TRANSMISSION CABLING
   B. DATA, CONTROL, SIGNAL AND TIMING REFERENCE CABLING
   C. TELEPHONE CABLING
4. AT A MINIMUM THE ABOVE GROUP SEPARATION MUST BE MAINTAINED. HOWEVER WITH ADEQUATE CABLE TRAY SPACE, LOGICAL SUB-GROUPS ARE PERMITTED SUCH AS, BUNDLES OF DC CABLING, BUNDLES OF RF CABLING, ETC.
5. AC POWER CABLES SHALL NOT BE RUN IN THE SAME CABLE TRAY AS COMMUNICATIONS CABLES.

A CABLE SEPARATION AND GROUPING WITHIN CABLE TRAYS

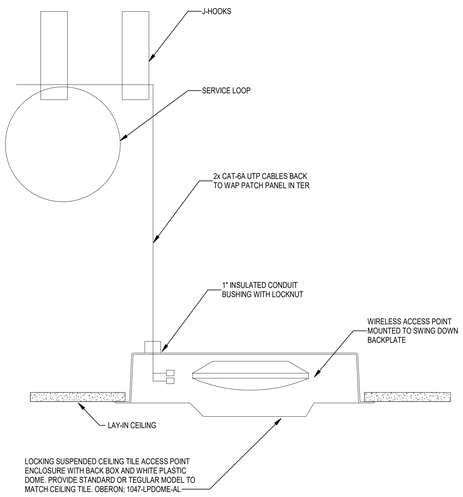


B LADDER RACK AND EQUIPMENT RACK GROUNDING DETAIL



(FLOOR SLEEVES SIMILAR. PROVIDE 2-HOUR F-RATING AND 2-HOUR T-RATING AT FLOOR SLEEVES)

C CONDUIT DETAIL THRU FIRE RATED PART.



D INTERIOR CEILING MOUNT ACCESS POINT ENCLOSURE

	RACK ID: YL.102.1	
48	FIBER PATCH PANEL	48
47	CABLE MANAGER	47
46		46
45	48P,SFP DIST SWITCH (LAN)	45
44	CABLE MANAGER	44
43		43
42	24P,10G,PoE ACCESS SWITCH (WAP)	42
41	CABLE MANAGER	41
40		40
39	SPACE FOR OWNER PROVIDED EQUIPMENT	39
38		38
37		37
36		36
35		35
34		34
33		33
32		32
31		31
30		30
29		29
28		28
27		27
26		26
25		25
24		24
23		23
22		22
21		21
20		20
19		19
18		18
17	CABLE MANAGER	17
16		16
15	24P CAT-6,PoE SWITCH (CAMERAS)	15
14	CABLE MANAGER	14
13		13
12	SPACE FOR SECURITY SYSTEM HEAD END EQUIPMENT	12
11		11
10		10
9		9
8		8
7		7
6		6
5		5
4		4
3		3
2	UPS	2
1		1

CABLE MANAGER

RACK LAYOUT
TELECOM ROOM 103
1ST FLOOR YOUTH LEARNING CENTER

	RACK ID: YL.102..2	
48	48P CAT-6 LAN PATCH PANEL	48
47		47
46	CABLE MANAGER	46
45		45
44	SPACE	44
43		43
42	CABLE MANAGER	42
41		41
40	24P CAT-6A WAP PATCH	40
39	CABLE MANAGER	39
38		38
37		37
36		36
35		35
34		34
33		33
32		32
31		31
30		30
29		29
28		28
27		27
26		26
25		25
24		24
23		23
22		22
21		21
20		20
19	SPACE FOR OWNER PROVIDED EQUIPMENT	19
18		18
17		17
16		16
15		15
14		14
13		13
12		12
11		11
10		10
9		9
8		8
7		7
6		6
5		5
4		4
3		3
2	UPS	2
1		1

CABLE MANAGER

RACK LAYOUT
TELECOM ROOM 201
2ND FLOOR YOUTH LEARNING CENTER

	RACK ID: YL.201.1	
48	FIBER PATCH PANEL	48
47	CABLE MANAGER	47
46		46
45	48P,SFP DIST SWITCH (LAN)	45
44	CABLE MANAGER	44
43		43
42	48P CAT-6 LAN PATCH PANEL	42
41		41
40	CABLE MANAGER	40
39		39
38	48P,SFP DIST SWITCH (LAN)	38
37	CABLE MANAGER	37
36		36
35	48P CAT-6 LAN PATCH PANEL	35
34		34
33	CABLE MANAGER	33
32		32
31	24P,10G,PoE ACCESS SWITCH (WAP)	31
30	CABLE MANAGER	30
29		29
28	24P CAT-6A WAP PATCH	28
27	CABLE MANAGER	27
26		26
25		25
24		24
23		23
22		22
21	SPACE FOR OWNER PROVIDED EQUIPMENT	21
20		20
19		19
18		18
17		17
16		16
15		15
14		14
13		13
12		12
11		11
10	24P CAT-6,PoE SWITCH (CAMERAS)	10
9	CABLE MANAGER	9
8		8
7	SPACE FOR OWNER PROVIDED EQUIPMENT	7
6		6
5		5
4		4
3		3
2	UPS	2
1		1

CABLE MANAGER

RACK LAYOUT
TELECOM ROOM 201
2ND FLOOR BLACKBURN HUNT BLDG

	RACK ID: BH.201.1	
48	FIBER PATCH PANEL	48
47	CABLE MANAGER	47
46		46
45	48P,SFP DIST SWITCH (LAN)	45
44	CABLE MANAGER	44
43		43
42	48P CAT-6 LAN PATCH PANEL	42
41		41
40	CABLE MANAGER	40
39		39
38	48P,SFP DIST SWITCH (ADD ALT)	38
37	CABLE MANAGER	37
36		36
35	48P CAT-6 LAN PATCH PANEL (ADD ALTERNATE)	35
34		34
33	CABLE MANAGER	33
32		32
31	24P,10G,PoE ACCESS SWITCH (WAP)	31
30	CABLE MANAGER	30
29		29
28	24P CAT-6A WAP PATCH	28
27	CABLE MANAGER	27
26		26
25	24P CAT-6,PoE SWITCH (CAMERAS)	25
24		24
23		23
22		22
21		21
20		20
19	SPACE FOR OWNER PROVIDED EQUIPMENT	19
18		18
17		17
16		16
15		15
14		14
13		13
12		12
11		11
10		10
9		9
8	SPACE FOR SECURITY SYSTEM HEAD END EQUIPMENT	8
7		7
6		6
5		5
4		4
3		3
2	UPS	2
1		1

CABLE MANAGER

RACK LAYOUT
TELECOM ROOM 201
2ND FLOOR BLACKBURN HUNT BLDG

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100% CD	07-18-25	BJ,	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS & RACK ELEVATIONS

TC5.1

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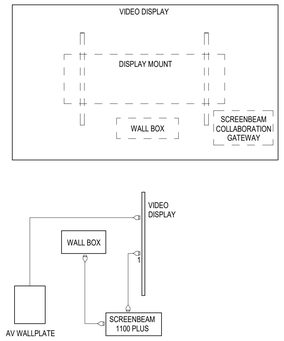

A **BYOD ROOM W/LOCAL INPUT ONLY** **N.T.S.**

FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	
METAL PIPES OR CONDUIT (1000-1999)	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-S SIL GG, CFS-D, MINERAL WOOL
	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	
NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL, CP 644, FS-ONE MAX, CFS-S SIL, CFS-S SIL GG, CP 648
	2	F-A 2053, F-A 2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	
SINGLE OR BUNDLED CABLES (3000-3999)	1	F-A-3007, C-AJ-3095, C-AJ-3180, C-AJ-3283	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	CP 680, CP 653, FS-ONE MAX, CP 618, CP 606, CFS-D, CFS-CC
	2	F-A-3007, C-AJ-3095, C-AJ-3334, F-A-3060	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167, W-J-3189	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	
MIXED PENETRANTS (8000-8999)	1	C-AJ-8099, C-AJ-8056, C-AJ-8143	C-AJ-8099, C-AJ-8056, W-J-8007, C-AJ-8143	W-L-1095, W-L-8013	FS-ONE MAX, CFS-BL, CP 620, CP 618
	2	C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143, C-AJ-8252	W-L-1095, W-L-8013	

NOTES:

1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURES: HILTI, RECTORSEAL, 3M, STL.

RESPONSIBILITY MATRIX FOR TECHNOLOGY AND ELECTRONIC SAFETY

AREA OF WORK / CATEGORY OF EQUIPMENT	FURNISHED BY					INSTALLED BY					
NOTE: THIS MATRIX IS INTENDED TO INDICATE A GENERAL LISTING OF THE WORK AND MATERIALS TO BE FURNISHED AND INSTALLED BY THE VARIOUS TRADES FOR COORDINATION PURPOSES ONLY. IT IS NOT INTENDED TO BE ALL INCLUSIVE. EACH TRADE IS RESPONSIBLE FOR FURNISHING AND INSTALLING THEIR RESPECTIVE COMPLETE AND WORKING SYSTEM. REFER TO DRAWINGS AND SPECIFICATIONS FOR THE EXTENT OF WORK INVOLVED.	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	COMMENTS
AUDIO / VISUAL SYSTEM													
CAMPUS CCTV OR CABLE STREAMING SERVICE EQUIPMENT	X						X						
CAMPUS EMERGENCY NOTIFICATION STREAMING TV SERVICE EQUIPMENT	X						X						
RACEWAY SYSTEM: INCLUDING PULL BOXES, CONDUITS, CABLE TRAYS, BACK BOXES, SLEEVES THRU WALLS AND FLOORS		X						X					
FLOOR BOXES, WALL BOXES & POKE THROUGHS INCLUDING ELECTRICAL DEVICES AND EMPTY SPACE TO ACCEPT AUDIOVISUAL MODULES.		X						X					
AUDIO / VISUAL SYSTEM INTEGRATION HARDWARE AND SOFTWARE				X						X			
FLAT PANEL TELEVISIONS AND INTERACTIVE PANEL DISPLAYS AND MOUNTS	X									X			
AUDIO SYSTEMS ASSOCIATED WITH A/V SYSTEM				X						X			
CAMERAS ASSOCIATED WITH A/V SYSTEM				X						X			
WIRELESS AND WIRED MICROPHONES ASSOCIATED WITH A/V SYSTEM				X						X			
A/V RELATED CABLES AND TERMINATIONS (CAT6, HDMI, COAX, XLR, ETC.)				X						X			
A/V MODULES, FACEPLATES AND JACKS				X						X			
FIRESTOPPING OF SLEEVES AFTER A/V CABLES ARE PULLED				X						X			
IDENTIFICATION AND LABELING				X						X			
PERMANENT LINK TESTING AND DOCUMENTATION AFTER INSTALLATION				X						X			

AUDIO / VISUAL DISPLAY SCHEDULE

	SCREEN SIZE (IN)				ASPECT		CONTRAST	RESPONSE		BRACKET			
TYPE	HEIGHT	WIDTH	DIAG	RESOLUTION	RATIO	BRIGHTNESS NIT	RATIO	TIME	OPERATION HOUR	MANUFACTURER	MODEL	MANUFACTURER	MODEL
D1	25	44	50	3840x2160 (UHD)	16:9	350	4000:1	8ms	16/7	MOUNTING DREAM	MD2104	SAMSUNG	QB50R
D2	27	48	55	3840x2160 (UHD)	16:9	350	4000:1	8ms	16/7	MOUNTING DREAM	MD2104	SAMSUNG	QB55R
D3	32	57	65	3840x2160 (UHD)	16:9	350	4000:1	8ms	16/7	MOUNTING DREAM	MD2104	SAMSUNG	QB65R
D4	37	65	75	3840x2160 (UHD)	16:9	350	4000:1	8ms	16/7	B-TECH AV MOUNTS	BT8310XL	SAMSUNG	QB75R
D5	42	74	85	3840x2160 (UHD)	16:9	350	4000:1	8ms	16/7	B-TECH AV MOUNTS	BT8310XL	SAMSUNG	QB85R

NOTES:
1
2
3

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. BISCI
   a. ANSI/BICSI 002 — DATA CENTER DESIGN AND IMPLEMENTATION BEST PRACTICES.
   b. ANSI/BICSI 003 — BUILDING INFORMATION MODELING (BIM) PRACTICES FOR INFORMATION TECHNOLOGY SYSTEMS.
   c. BICSI 009 — DATA CENTER OPERATIONS AND MAINTENANCE BEST PRACTICES.
   d. BICSI G1 — ICT OUTSIDE PLANT CONSTRUCTION AND INSTALLATION: GENERAL PRACTICES.
   e. ANSI/BICSI N3 — PLANNING AND INSTALLATION METHODS FOR THE BONDING AND GROUNDING OF TELECOMMUNICATION AND ICT SYSTEMS AND INFRASTRUCTURE.
2. FLORIDA STATUTES
   a. CHAPTER 471 — ENGINEERING
   b. CHAPTER 533.80 — BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.

THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

ABBREVIATIONS

A/V	AUDIO / VISUAL	IC	INTERMEDIATE CROSS-CONNECTION
ACT	ABOVE COUNTERTOP	IP	INTERNET PROTOCOL
AFF	ABOVE FINISHED FLOOR	LAN	LOCAL AREA NETWORK
AHJ	AUTHORITY HAVING JURISDICTION	MC	MAIN CROSS-CONNECT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	OFOI	OWNER FURNISHED, OWNER INSTALLED
AWG	AMERICAN WIRE GAUGE		
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL	PDU	POWER DISTRIBUTION UNIT
		POE	POWER OVER ETHERNET
C	CONDUIT	RFI	RADIO FREQUENCY INTERFERENCE
CBB	COMMUNICATIONS BACKBOARD	SC	STANDARD CONNECTOR OR SUBSCRIBER CONNECTOR
CLG	CEILING MOUNTED DEVICE		
CMP	COMMUNICATIONS PLENUM CABLE (CABLE MARKING AS PER NFPA 70)	TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
EC	ELECTRICAL CONTRACTOR	TR	TELECOMMUNICATIONS ROOM
EF	ENTRANCE FACILITY	TV	TELEVISION
EIA	ELECTRONIC INDUSTRIES ALLIANCE	TYP	TYPICAL
EMI	ELECTROMAGNETIC INTERFERENCE	UNO	UNLESS NOTED OTHERWISE
ER	EQUIPMENT ROOM	UPS	UNINTERRUPTIBLE POWER SUPPLY
HC	HORIZONTAL CROSS-CONNECT	UTP	UNSHIELDED TWISTED-PAIR
		WAP	WIRELESS ACCESS POINT

AUDIO VISUAL EQUIPMENT LEGEND

D#	WALL MOUNT TV DISPLAY, # INDICATES SCHEDULE TYPE
TS	WALL MOUNTED TOUCH SCREEN DISPLAY, MOUNT AT 46" AFF TO SINGLE GANG BOX. SEE ROOM DIAGRAMS FOR BASIS OF DESIGN MODELS.
RE	A/V OVER IP 4K SIGNAL EXTENDER RECEIVER (DECODER), B.O.D.: SP CONTROLS, SP-HDBT-REC
AMP	AUDIO AMPLIFIER, B.O.D.: SP CONTROLS, AMPLINC HUB
COLLABORATION GATEWAY	WIRELESS COLLABORATION GATEWAY WITH WIFI NETWORK CONNECTIVITY, B.O.D.: SHARELINK PRO 2000/2500
S	CEILING MOUNTED SPEAKER, COORDINATE WITH ARCHITECTURAL PRIOR TO ROUGH-IN, B.O.D.: JBL PROFESSIONAL, CONTROL 26CT
P	CEILING MOUNTED PROJECTOR. #EPSON POWERLITE L770U.
MC #	WIRELESS MICRHOPONE CABINET, RECIEVER AND AMPLIFIER IN CABINET WITH CHARGERS. MICROPHONES SHALL BE SURE #WL184M OR EQUAL PROVIDE #MXW1X BODYPACK TRANSMITTER FOR EACH MICROPHONE. PROVIDE TRANSCEIVER AND CHARGING STATION FOR EACH ROOM/CABINET. PROVIDE WALL MOUNTED LOCKABLE CABINET WITH BOTTOM KNOCKOUT FOR POWER CORD.
PS	PARTITION SENSOR. PROVIDE SINGLE GANG OUTLET BOX IN CEILING.
SWITCH-8+	EXTRON #ECM S10 OR EQUAL AUDIO VISUAL SWITCH. # EQUALS THE NUMBER OF PORTS. + INDICATES TO PROVIDE POE+ SWITCH. INSTALL IN COMMUNICATIONS RACKS, PROVIDED BY COMMUNICATIONS CONTRACTOR. PROVIDE SWITCH THAT MEETS THE NAMA REQUIREMENTS AND SPECIFICAITONS OF THE AV SYSTEM. PROVIDE HORIZONTAL CABLE MANAGEMENT BETWEEN SWITCHES AND OTHER RACK COMPONENTS.

GENERAL NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023, THE FLORIDA FIRE PREVENTION CODE, THE NATIONAL ELECTRICAL CODE 2020 EDITION, AND ALL CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS.
3. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH.
4. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
5. THE CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
6. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES.
7. WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
8. ERECT AND MAINTAIN REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
9. COORDINATE AND SEQUENCE DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
10. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE. PROCEED WITH AND COMPLETE THE WORK.
11. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EQUIPMENT AND MATERIALS.
12. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
13. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION.
14. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
15. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
16. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
17. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
18. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
19. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
20. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
21. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
22. THE BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION. THE OWNER WILL MAKE REASONABLE EFFORTS TO ASSIST THE CONTRACTOR IN COMPLETING THE WORK. COORDINATE WORK WITH THE OWNER'S DESIGNATED REPRESENTATIVE.
23. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
24. REMOVE AND RE-INSTALL EXISTING CEILING TILE AS REQUIRED. REPLACE ANY TILE DAMAGED OR SOILED DURING CONSTRUCTION.
25. PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE, CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED.
26. SEAL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.
27. EXISTING EQUIPMENT IS THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER. DISPOSE OF ALL MATERIALS AND EQUIPMENT SHOWN TO BE REMOVED IN ACCORDANCE WITH LOCAL REGULATIONS.
28. REPLACE SIDEWALKS OR PAVEMENT DAMAGED BY OR DURING CONSTRUCTION OF THIS PROJECT.
29. REMOVE ALL SHRUBBERY, PLANTS, ETC. WHICH INTERFERE WITH WORK UNDER THIS CONTRACT. REPLANT AND/OR REPLACE ALL PLANTS, SHRUBBERY, ETC. AT COMPLETION OF JOB. ALL DISTURBED AREAS OF SOIL SHALL BE RESODDED. REPLACEMENT OF REPLANTING TO BE GUARANTEED FOR ONE YEAR.
30. ITEMS REMOVED AND SAVED FOR REUSE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL IDENTIFY ANY DEFECTIVE MATERIALS PRIOR TO DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO MATERIALS AT PROJECT COMPLETION NOT IDENTIFIED PRIOR TO DEMOLITION.
31. RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK.
32. REMOVE ELECTRICAL EQUIPMENT (CONDUIT, POWER & CONTROL WIRING, DISCONNECT SWITCHES, STARTERS, ETC.) RELATED TO EQUIPMENT BEING REMOVED OR REPLACED.
33. CONTRACTOR SHALL COMPLY WITH "TRENCH SAFETY ACT" (FLORIDA STATUTE 553 PART III) AND OSHA STANDARD 29 CFR 1926.650 SUBPART P FOR ALL UTILITY TRENCHES IN EXCESS OF 5 FEET DEEP. CONTRACTOR SHALL INDICATE WITHIN HIS BID RESPONSE A REFERENCE TO THE TRENCH SAFETY STANDARD AND A SEPARATE LINE ITEM COST OF COMPLIANCE WITH STANDARD.
34. HAZARDOUS MATERIALS (ASBESTOS, PCBs, MERCURY, ETC.) MAY BE ENCOUNTERED ON SITE. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY, ABATE, AND DISPOSE OF ALL HAZARDOUS MATERIALS IN A SAFE AND APPROVED MANNER IN ACCORDANCE WITH LOCAL REGULATIONS.

AUDIO/VISUAL SYSTEMS NOTES

1. DIVISION 27 SPECIFICATION REQUIREMENTS, WHERE APPLICABLE, APPLY TO THIS CONTRACTOR AND THE AUDIO/VISUAL SCOPE OF WORK.
2. ALL CABLING AND WIRE TIES SHALL BE PLENUM RATED.
3. CABLE NOT IN TRAY OR INDICATED TO BE OPEN (FREEWIRE) INSTALLATION SHALL BE IN RACEWAY UNLESS NOTED OTHERWISE. RIGID ELECTRICAL NON-METALLIC SCHEDULE 40 PVC SHALL BE USED IN SLABS AND BELOW GRADE; RIGID STEEL CONDUIT (RSC) SHALL BE USED WHERE EXPOSED TO PHYSICAL DAMAGE; ELECTRICAL METALLIC TUBING (EMT) MAY BE USED ELSEWHERE WHERE APPROVED BY N.E.C. AND LOCAL CODES.
4. CONDUITS SHALL BE STRAPPED IN ACCORDANCE WITH REQUIREMENTS OF N.E.C.
5. CONTRACTOR SHALL BOND AND GROUND SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH STRICTER REQUIREMENTS OF BICSI OR ARTICLE 250 OF N.E.C. PROVIDE A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH ARTICLE 250-122 N.E.C. ON ALL RECEPTACLES AND POWER BRANCH CIRCUITS.
6. BACKBOXES, CONDUITS, SLEEVES AND BONDING NOT SHOWN SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR UNLESS NOTED OTHERWISE.
7. ANY SLEEVES REQUIRED IN ADDITION TO THOSE SHOWN THROUGH FIRE/SMOKE RATED PARTITIONS SHALL BE INSTALLED AND SEALED BY THIS CONTRACTOR.
8. OPEN OR UNENCLOSED ("FREE-WIRED") CABLES, WHERE ALLOWED, SHALL BE PLENUM RATED AND BE PROVIDED WITH J-HOOK PATHWAY. J-HOOKS SHALL HAVE A MINIMUM 2" RADIUS AND BE INSTALLED AT MAXIMUM 4-FOOT SPACING SO CABLES DROOP LESS THAN 12" AT ALL LOCATIONS. DO NOT INSTALL J-HOOKS IN INACCESSIBLE AREAS, INCLUDING ABOVE HARD CEILINGS, UNLESS APPROVED IN WRITING BY ENGINEER.
9. EACH HORIZONTAL OR BACKBONE CABLE AND EACH PATCH CORD SHALL BE WRAPPED AT BOTH ENDS WITH A WHITE, PERMANENT, CLEAN, TYPEWRITTEN IDENTIFICATION LABEL WITH BLACK LETTERING.
10. UNLESS OTHERWISE NOTED, ACTIVE COMMUNICATIONS SYSTEMS INCLUDING, BUT NOT LIMITED TO, INTERCOM SYSTEM, PHONE SYSTEM AND AUDIO VIDEO SYSTEMS SHALL REMAIN ACTIVE. THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF THESE SYSTEMS UNTIL TIME OF CUT-OVER AND DEMOLITION AS REQUIRED. THE OWNER WILL MAKE REASONABLE EFFORTS TO WORK WITH THE CONTRACTOR IN COMPLETING THE WORK. COORDINATE WITH THE OWNER'S REPRESENTATIVE TO SCHEDULE ANY NECESSARY SHUT-DOWNS TO KEEP SERVICE INTERRUPTIONS AT A MINIMUM.
11. IT IS THE INTENT OF THE DRAWINGS TO OBTAIN A FULLY FUNCTIONAL AUDIO VISUAL SYSTEM AS INDICATED WITHIN THE AV DOCUMENTS. ALL DRAWINGS ARE DIAGRAMMATICAL IN NATURE AND ARE NOT INTENDED TO SHOW OR DETAIL EVERY COMPONENT THAT IS REQUIRED TO PROVIDE A FULLY FUNCTIONAL SYSTEM. PROVIDE ALL COMPONENTS AND PROGRAMMING REQUIRED TO PROVIDE A FUNCTIONAL SYSTEM. COMPONENTS TO BE SUPPLIED UNDER THIS CONTRACT INCLUDE CABLING, PATHWAYS, ELECTRONICS, AMPLIFIERS, SPLITTERS, MODULATORS, ENCODERS, PROCESSORS AND BALUNS.
12. SUBMIT DETAILED SHOP DRAWINGS FOR ENGINEER APPROVAL PRIOR TO ORDERING EQUIPMENT OR BEGINNING INSTALLATION. SHOP DRAWINGS SHALL CONTAIN PRODUCT DATA FOR EACH PRODUCT TO BE USED, SYSTEM SINGLE LINE DIAGRAMS AND FLOOR PLANS INDICATING DEVICE LOCATIONS.
13. REVIEW DOCUMENTS IN DETAIL PRIOR TO BID. INCLUDE ANY ADDITIONAL INFRASTRUCTURE REQUIRED TO PROVIDE A COMPLETE, OPERATIONAL SYSTEM WITHIN THE BID PRICE. DIRECT ANY SCOPE QUESTIONS TO ENGINEER IN WRITING A MINIMUM OF ONE WEEK PRIOR TO BID DATE.
14. CONTRACTOR SHALL PROVIDE ALL PATCH CORDS INDICATED OR AS NEEDED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM, UNLESS NOTED OTHERWISE.
15. CONTRACTOR SHALL PROVIDE BLOCKING IN WALL AS NECESSARY TO SUPPORT DISPLAY MOUNTS. CONTRACTOR SHALL COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
16. CONTRACTOR SHALL PROVIDE WALL BRACKETS FOR ALL WALL MOUNTED EQUIPMENT. EQUIPMENT MOUNTED BEHIND DISPLAYS SHALL BE CONCEALED BEHIND DISPLAYS, AND ARRANGED SO CONTROLS FACE OUTWARDS, TOWARDS ACCESSIBLE SIDE.
17. BUNDLE AND TRAIN ALL CABLES NEATLY WITHIN CONSOLES, RACKS, BEHIND DISPLAYS, ETC.
18. BASIS OF DESIGN FOR AV EQUIPMENT INDICATED WITH MODEL NUMBERS ON DIAGRAMS OR LEGENDS. SUBSTITUTIONS SHALL BE SUBMITTED TO ENGINEER PRIOR TO BID DATE FOR APPROVAL.

DRAWING INDEX

TA0.1	GENERAL NOTES, LEGENDS & SCHEDULES
TA1.1	YOUTH LEARNING CENTER - 1ST FLOOR
TA1.2	YOUTH LEARNING CENTER - 2ND FLOOR PLAN
TA1.3	BLACKBURN-HUNT BUILDING
TA1.3A	BLACKBURN-HUNT BUILDING - 2ND FLOOR PLAN - ADD ALT.
TA5.1	DETAILS
TA5.2	DETAILS

COMMUNICATIONS PATHWAY REQUIREMENTS

COMMUNICATIONS CABLING INCLUDING AUDIO/VISUAL AND SECURITY MAY BE RUN IN J-HOOKS ABOVE ACCESSIBLE CEILINGS FROM END DEVICES TO CABLE TRAYS. WALL OUTLETS/BOXES SHALL HAVE CONDUIT ROUTED TO ABOVE CEILING AND TURNED 90 DEGREES. UTILIZE CABLE TRAYS SHOWN ON PLANS FOR ROUTING CABLES. WHERE NO CABLE TRAY IN THE AREA IS PROVIDED OR WHERE ROUTING THROUGH CABLE TRAY IS IMPRACTICAL FOR CERTAIN LOCATIONS, J-HOOKS MAY BE USED. REFER TO SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS. CABLES SHALL BE ROUTED IN CONDUITS ABOVE IN-ACCESSIBLE CEILINGS AND IN SPACES WITH NO CEILING SUCH AS ELECTRICAL ROOMS. THE RESPONSIBILITY MATRIX IDENTIFIES WHICH CONTRACTOR SHALL PROVIDE AND INSTALL PATHWAY/RACEWAY COMPONENTS.

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Florida Registry #5485
Daniel R. Haberfeld, P.E. #91238

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

Clemons,Rutherford, & Associates, Inc.
Architects
Planners
Interior Designers
Construction Managers
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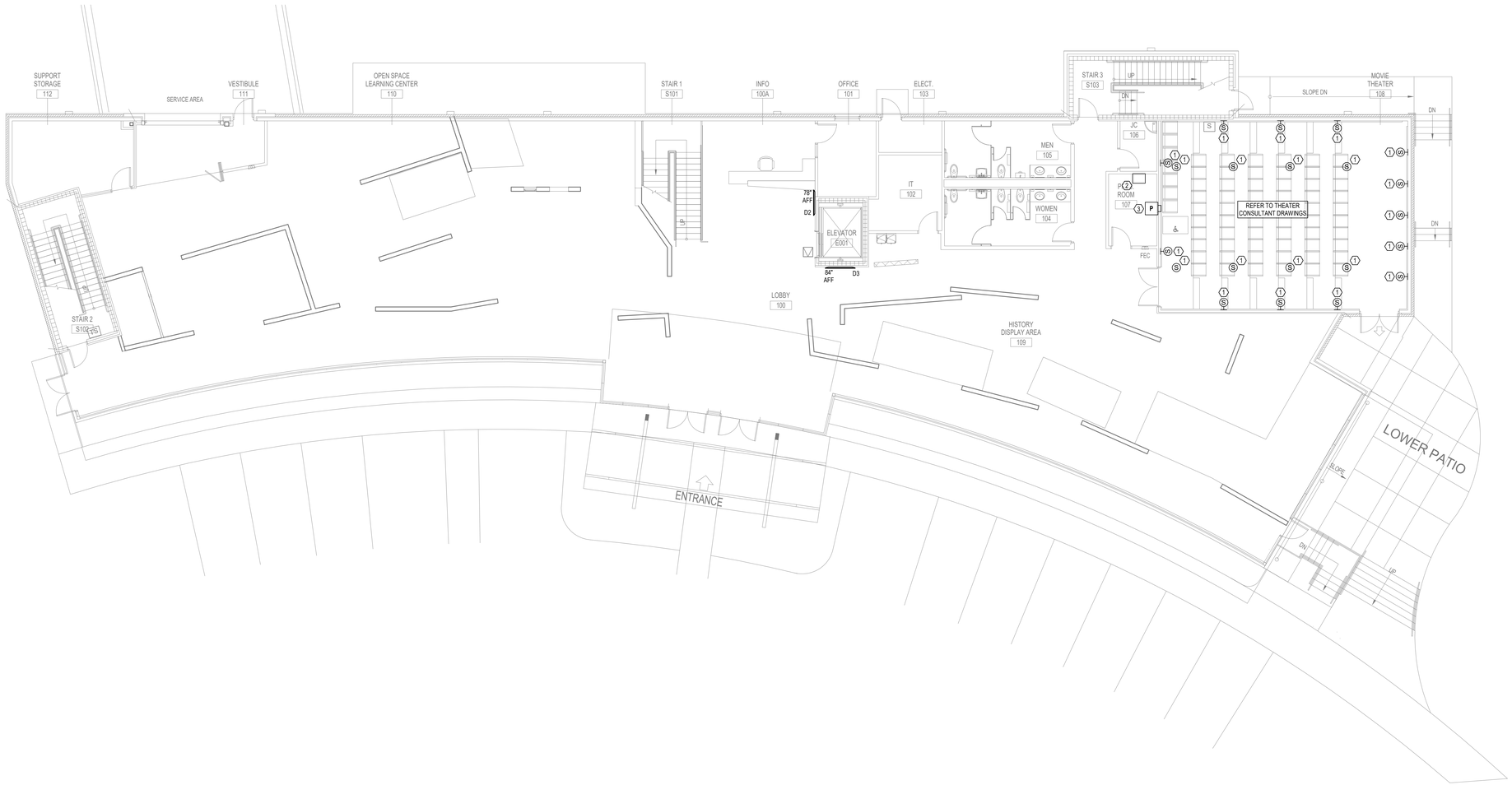
GENERAL NOTES

1. BACK BOXES AND CONDUITS TO ALL WALL MOUNT DEVICES SHALL BE CONCEALED IN THE WALL, EXCEPT IN ELECTRICAL, TELECOM, AND MECHANICAL ROOMS. COORDINATE THE EXACT LOCATION OF DEVICES WITH THE ARCHITECT.
2. THE LOCATION OF CEILING AND WALL MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO THE ARCHITECTURAL RCP PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNT DEVICES. WHERE NOT INDICATED ON THE ARCHITECT'S RCP PLAN COORDINATE WITH THE ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH THE ARCHITECT FOR THE FINAL LOCATION OF ALL EXTERIOR AND INTERIOR WALL MOUNT DEVICES.
3. DISPLAY HEIGHTS SHALL BE MESURED TO THE CENTER OF THE DISPLAY

KEYNOTES

1. PROVIDE A 4" SQUARE JUNCTION BOX FOR SPEAKER CABLING (SPEAKERS AND CABLING BY OTHERS). PROVIDE 1"C., WITH NYLON PULLSTRING, FROM EACH SPEAKER TO THE AMPLIFIER RACK LOCATION. COORDINATE WALL MOUNTED HEIGHTS WITH THE THEATER CONSULTANT (CDGI) DRAWINGS.
2. THEATER SPEAKERS AMPLIFIER RACK. RACK PROVIDED BY OTHERS.
3. MOVIE THEATER PROJECTOR. PROJECT PROVIDED BY OTHERS. SEE ELECTRICAL PLANS FOR CIRCUIT INFORMATION.
4. COORDINATE EXACT LOCATIONS OF DISPLAYS IN ROOM WITH OWNER AND DRIVING SIMULATOR EQUIPMENT



North 1 FIRST FLOOR PLAN
1/8" = 1'-0"

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	DRH
50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER - 1ST FLOOR

TA1.1

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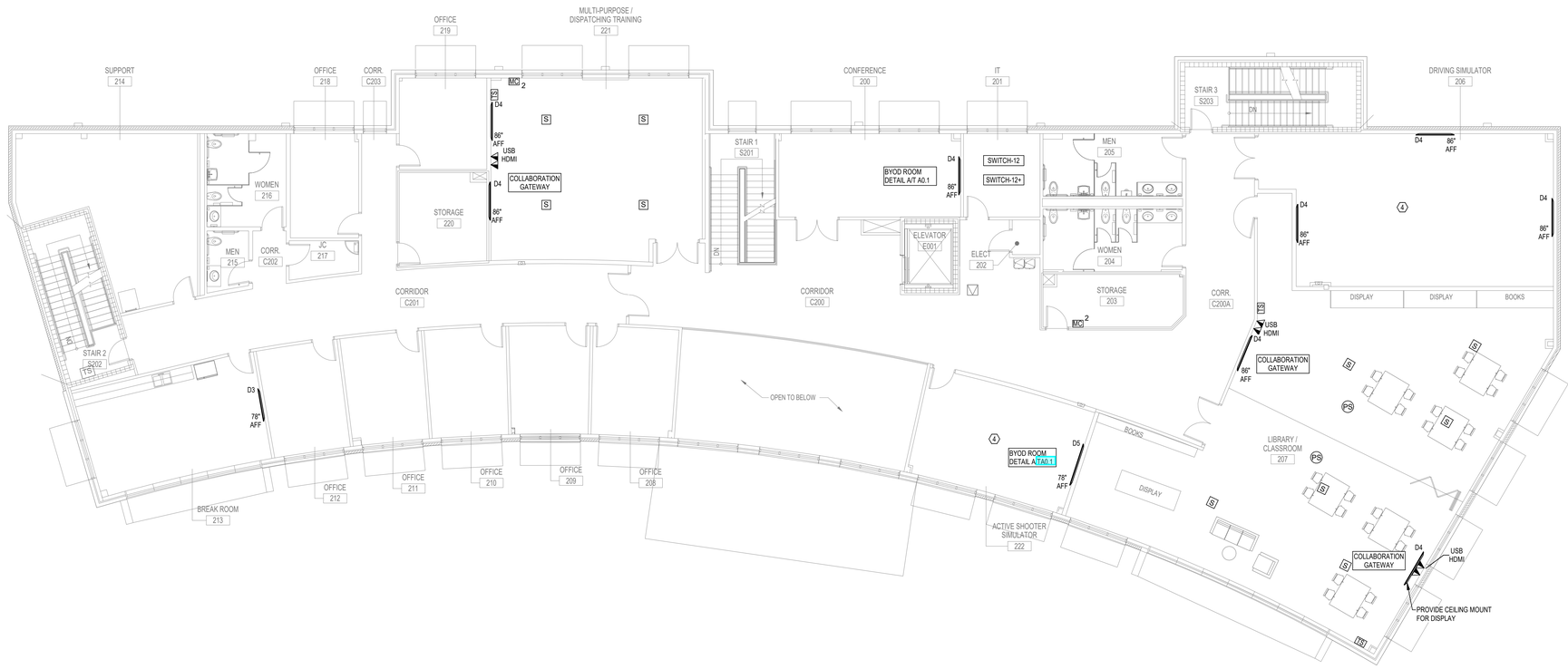
GENERAL NOTES

1. BACK BOXES AND CONDUITS TO ALL WALL MOUNT DEVICES SHALL BE CONCEALED IN THE WALL, EXCEPT IN ELECTRICAL, TELECOM, AND MECHANICAL ROOMS. COORDINATE THE EXACT LOCATION OF DEVICES WITH THE ARCHITECT.
2. THE LOCATION OF CEILING AND WALL MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO THE ARCHITECTURAL RCP PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNT DEVICES. WHERE NOT INDICATED ON THE ARCHITECT'S RCP PLAN COORDINATE WITH THE ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH THE ARCHITECT FOR THE FINAL LOCATION OF ALL EXTERIOR AND INTERIOR WALL MOUNT DEVICES.
3. DISPLAY HEIGHTS SHALL BE MESURED TO THE CENTER OF THE DISPLAY

KEYNOTES

1. PROVIDE A 4" SQUARE JUNCTION BOX FOR SPEAKER CABLING (SPEAKERS AND CABLING BY OTHERS). PROVIDE 1"C., WITH NYLON PULLSTRING, FROM EACH SPEAKER TO THE AMPLIFIER RACK LOCATION. COORDINATE WALL MOUNTED HEIGHTS WITH THE THEATER CONSULTANT (CDGI) DRAWINGS.
2. THEATER SPEAKERS AMPLIFIER RACK. RACK PROVIDED BY OTHERS.
3. MOVIE THEATER PROJECTOR. PROJECT PROVIDED BY OTHERS. SEE ELECTRICAL PLANS FOR CIRCUIT INFORMATION.
4. COORDINATE EXACT LOCATIONS OF DISPLAYS IN ROOM WITH OWNER AND DRIVING SIMULATOR EQUIPMENT



North 1 SECOND FLOOR PLAN
1/8" = 1'-0"

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100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER - 2ND FLOOR PLAN

TA1.2

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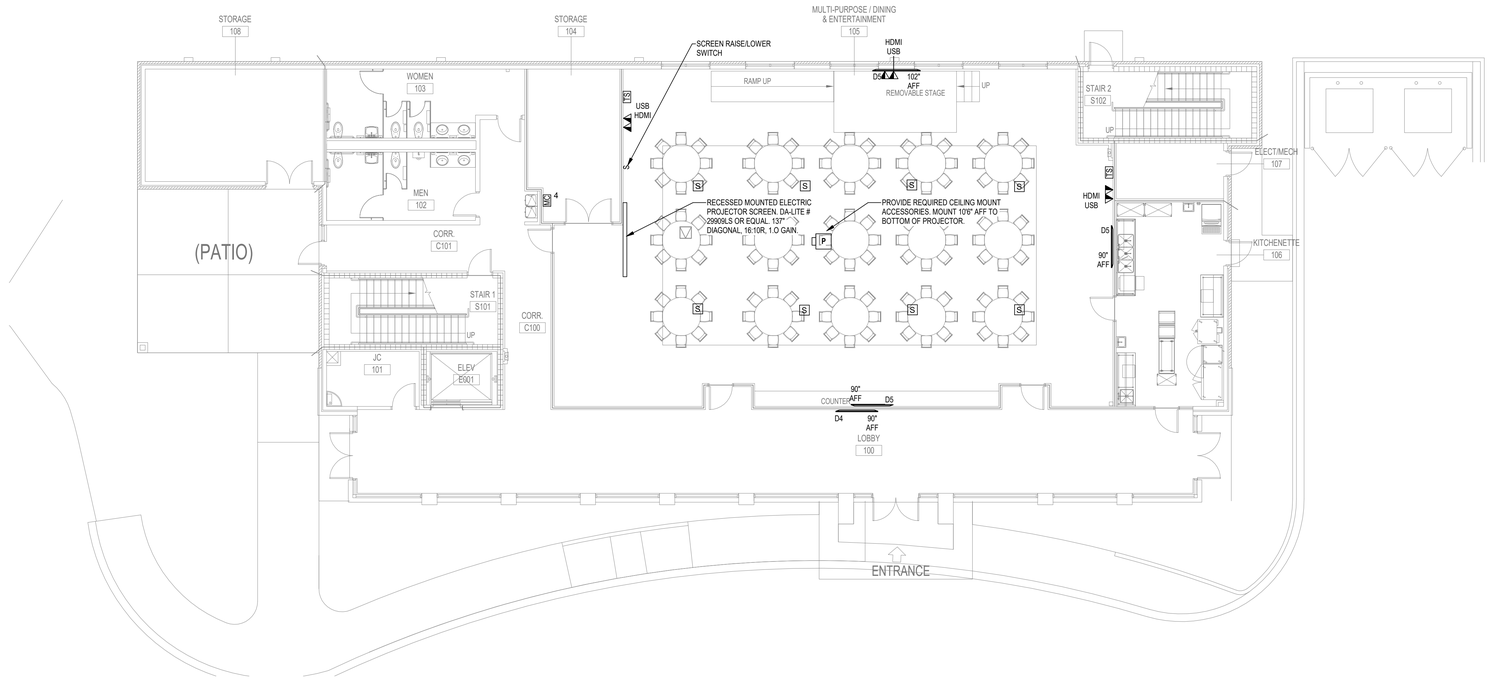

1 FIRST FLOOR PLAN
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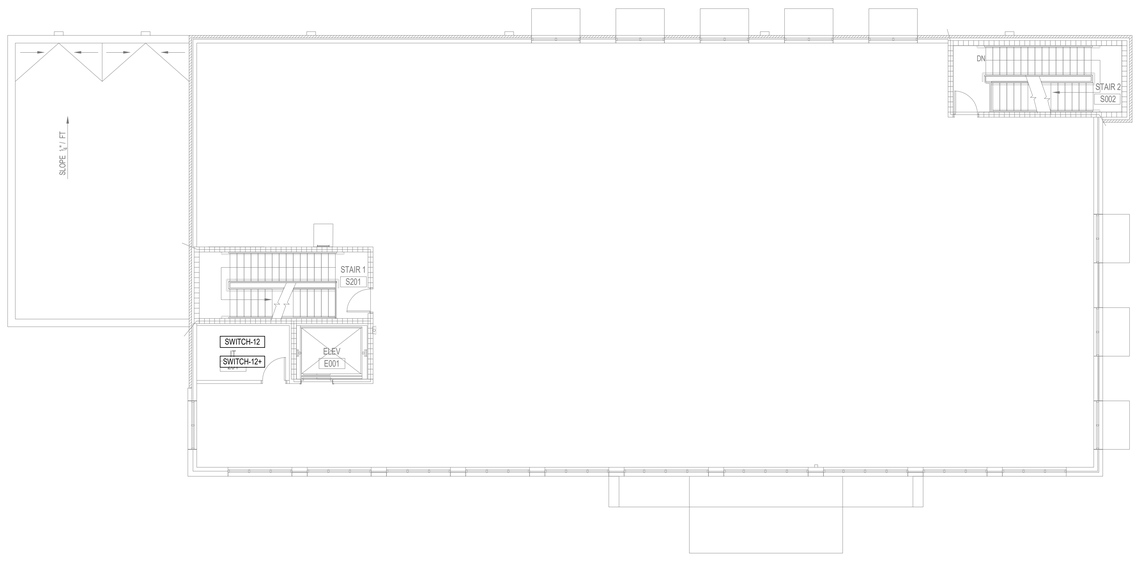

2 SECOND FLOOR PLAN
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KEYNOTES

1. PROVIDE A 4" SQUARE JUNCTION BOX FOR SPEAKER CABLING (SPEAKERS AND CABLING BY OTHERS). PROVIDE 1"C., WITH NYLON PULLSTRING, FROM EACH SPEAKER TO THE AMPLIFIER RACK LOCATION. COORDINATE WALL MOUNTED HEIGHTS WITH THE THEATER CONSULTANT (CDGI) DRAWINGS.
2. THEATER SPEAKERS AMPLIFIER RACK. RACK PROVIDED BY OTHERS.
3. MOVIE THEATER PROJECTOR. PROJECT PROVIDED BY OTHERS. SEE ELECTRICAL PLANS FOR CIRCUIT INFORMATION.
4. COORDINATE EXACT LOCATIONS OF DISPLAYS IN ROOM WITH OWNER AND DRIVING SIMULATOR EQUIPMENT

H2E ENGINEERING
114 EAST 5th AVENUE TALLAHASSEE, FL 32303
PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No. 24179

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Florida Registry #5485
Daniel R. Haberfeld, P.E. #91238

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

Clemons,Rutherford, & Associates, Inc.

Architects
Planners
Interior Designers
Construction Managers

2027 Thomasville Road
Tallahassee, Florida 32308

phone 850-385-6153
fax 850-386-8420
cra@clemons-rutherford.com

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	DRH
50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BUILDING

TA1.3

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center - MEP Central_R24.rvt
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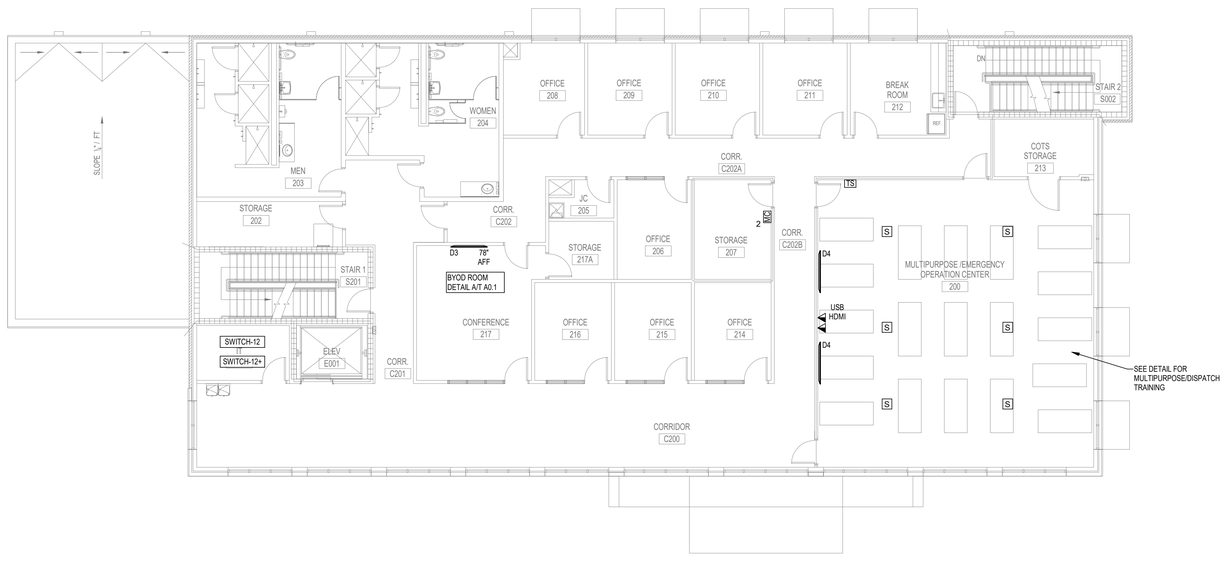
GENERAL NOTES

1. BACK BOXES AND CONDUITS TO ALL WALL MOUNT DEVICES SHALL BE CONCEALED IN THE WALL, EXCEPT IN ELECTRICAL, TELECOM, AND MECHANICAL ROOMS. COORDINATE THE EXACT LOCATION OF DEVICES WITH THE ARCHITECT.
2. THE LOCATION OF CEILING AND WALL MOUNT DEVICES IS DIAGRAMMATIC AND SHOWN FOR CLARITY. REFER TO THE ARCHITECTURAL RCP PLAN FOR THE EXACT LOCATION OF ALL CEILING MOUNT DEVICES. WHERE NOT INDICATED ON THE ARCHITECT'S RCP PLAN COORDINATE WITH THE ARCHITECT PRIOR TO INSTALLATION. COORDINATE WITH THE ARCHITECT FOR THE FINAL LOCATION OF ALL EXTERIOR AND INTERIOR WALL MOUNT DEVICES.
3. DISPLAY HEIGHTS SHALL BE MESURED TO THE CENTER OF THE DISPLAY

KEYNOTES

1. PROVIDE A 4" SQUARE JUNCTION BOX FOR SPEAKER CABLING (SPEAKERS AND CABLING BY OTHERS). PROVIDE 1"C., WITH NYLON PULLSTRING, FROM EACH SPEAKER TO THE AMPLIFIER RACK LOCATION. COORDINATE WALL MOUNTED HEIGHTS WITH THE THEATER CONSULTANT (CDGI) DRAWINGS.
2. THEATER SPEAKERS AMPLIFIER RACK. RACK PROVIDED BY OTHERS.
3. MOVIE THEATER PROJECTOR. PROJECT PROVIDED BY OTHERS. SEE ELECTRICAL PLANS FOR CIRCUIT INFORMATION.
4. COORDINATE EXACT LOCATIONS OF DISPLAYS IN ROOM WITH OWNER AND DRIVING SIMULATOR EQUIPMENT



1 SECOND FLOOR PLAN - ADD ALTERNATE
1/8" = 1'-0"

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Revision

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CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT BUILDING - 2ND FLOOR PLAN - ADD ALT.

TA1.3A

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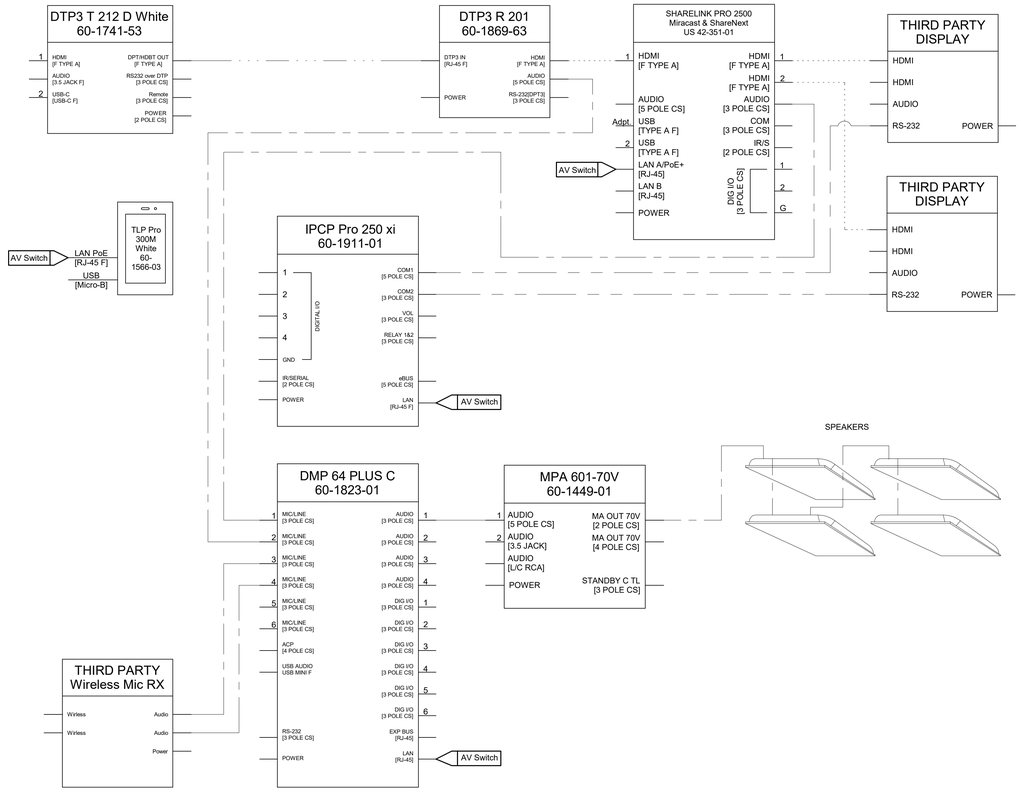
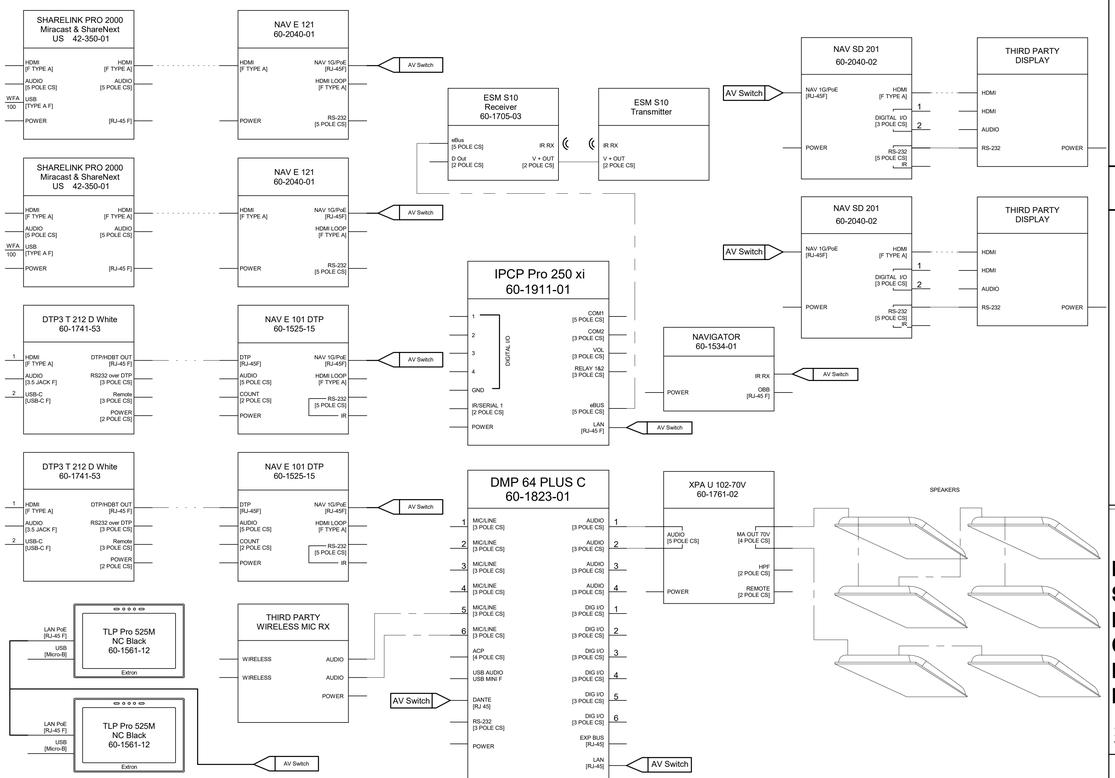
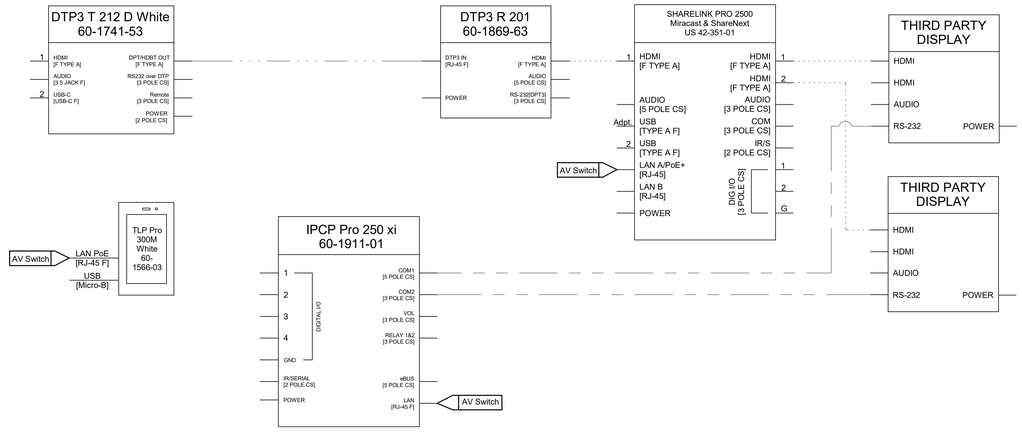


C MULTI-PURPOSE / DISPATCH TRAINING ROOM 221 N.T.S



A DIVISIBLE CLASSROOM/LIBRARY 207 (NAV) N.T.S



B DRIVING SIMULATOR ROOM 206 N.T.S

LEGEND

NOTE: BASIS OF DESIGN FOR ALL PRODUCTS IS EXTRON UNLESS NOTED OTHERWISE.

Video — Audio
AV Switch — Network CAT-6A — Control
DTP

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CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

TA5.1

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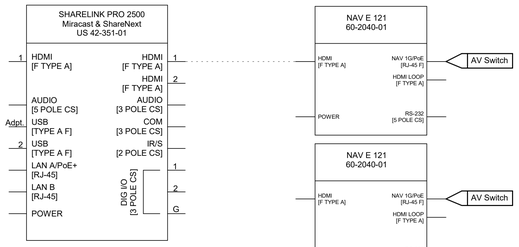

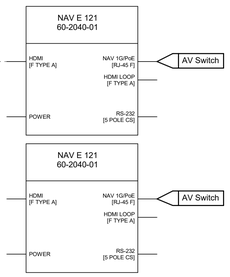

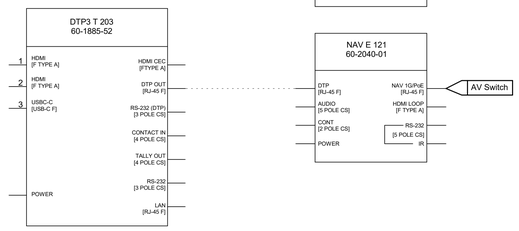

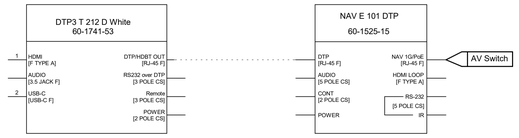

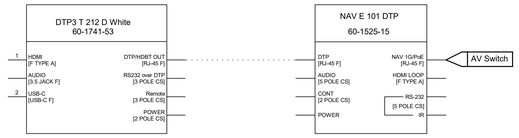

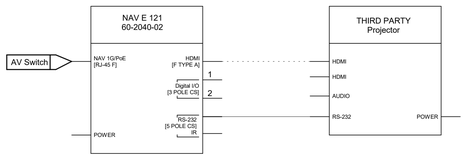

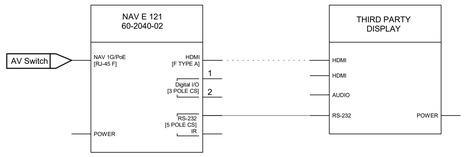

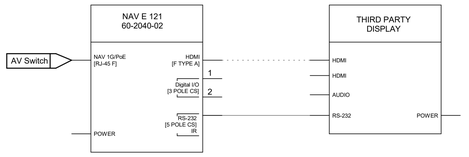

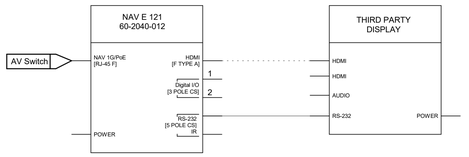

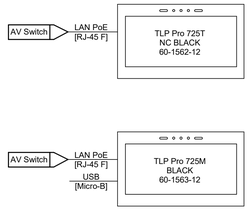

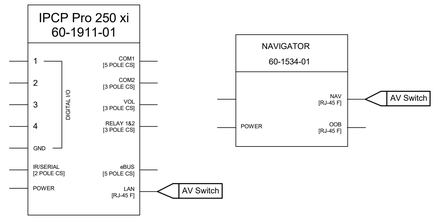

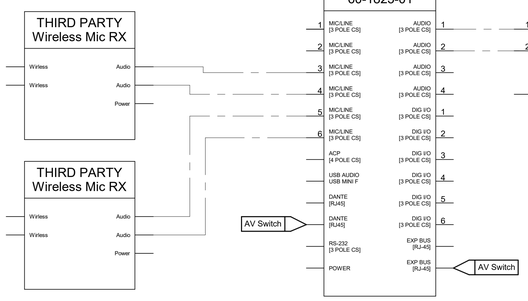

A **MULTI-PURPOSE CONFERENCE ROOM / DINING / ENTERTAINMENT ROOM 105(NAV)** **N.T.S**

LEGEND

NOTE: BASIS OF DESIGN FOR ALL PRODUCTS IS EXTRON UNLESS NOTED OTHERWISE.

Video — Audio
AV Switch — Network CAT-6A — Control
DTP

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Revision

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CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

TA5.2

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FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	
METAL PIPES OR CONDUIT (1000-1999)	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-S SIL GG, CFS-D, MINERAL WOOL
	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	
NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2026, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2571, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL, CP 644, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, CP 648
	2	F-A-2053, F-A-2026, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2571, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	
SINGLE OR BUNDLED CABLES (3000-3999)	1	F-A-3007, C-AJ-3095, C-AJ-3180, C-AJ-3283	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	CP 680, CP 653, FS-ONE MAX, CP 618, CP 606, CFS-D, CFS-CC
	2	F-A-3007, C-AJ-3095, C-AJ-3334, F-A-3060	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167, W-J-3189	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	

NOTES:

1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURERS: HILTI, RECTORSEAL, 3M, STI.

RESPONSIBILITY MATRIX FOR ELECTRONIC SAFETY AND SECURITY

AREA OF WORK / CATEGORY OF EQUIPMENT	FURNISHED BY					INSTALLED BY					
NOTE: THIS MATRIX IS INTENDED TO INDICATE A GENERAL LISTING OF THE WORK AND MATERIALS TO BE FURNISHED AND INSTALLED BY THE VARIOUS TRADES FOR COORDINATION PURPOSES ONLY. IT IS NOT INTENDED TO TO BE ALL INCLUSIVE. EACH TRADE IS RESPONSIBLE FOR FURNISHING AND INSTALLING THEIR RESPECTIVE COMPLETE AND WORKING SYSTEM. REFER TO DRAWINGS AND SPECIFICATIONS FOR THE EXTENT OF WORK INVOLVED.	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	COMMENTS
SECURITY SYSTEMS													
ACCESS CONTROL SYSTEM INTEGRATION HARDWARE AND SOFTWARE					X						X		
ACCESS CONTROL DEVICES (EXCLUDING DOOR HARDWARE)					X						X		
POWER SUPPLIES FOR ACCESS CONTROL DEVICES					X						X		
VIDEO SURVEILLANCE CAMERAS, NVR, INTEGRATION HARDWARE AND SOFTWARE					X						X		
ABOVEGROUND CONDUITS, CABLE TRAYS, BACK BOXES, SLEEVES THRU WALLS AND FLOORS		X						X					
SECURITY SYSTEM NETWORK CABLES AND PATCH CORDS					X						X		INCLUDING UPLINK TO SWITCH
SURGE PROTECTION DEVICES FOR COPPER CABLES TO EXTERIOR MOUNTED SECURITY DEVICES					X						X		
FIRESTOPPING OF SLEEVES AFTER SECURITY CABLES (NON-NETWORK CABLES) ARE PULLED		X						X					
IDENTIFICATION AND LABELING					X						X		
PERMANENT LINK TESTING AND DOCUMENTATION AFTER INSTALLATION					X						X		

SECURITY CAMERAS

DESIGNATION	TYPE	LENS TYPE	# OF SENSORS	ADJUST	MAX RESOLUTION	FRAME RATE (FPS)	FOCAL LENGTH (mm)	VIEW ANGLE (DEGREES): HORIZONTAL	VIEW ANGLE (DEGREES): VERTICAL	LOCATION	MOUNT	POWER SUPPLY	FEATURES / OPTIONS	ANALYTICS	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: CAMERA MODEL	BASIS OF DESIGN: MOUNT MODEL
1	DOME	FIXED	1	PAN,TILT, ROTATE (MANUAL)	5 MP	30	4	80	58	INDOOR	CEILING (SURFACE)	PoE	O1, O3, O4, O5, O9, O11, O13	A3, A10, A15	HANWHA	QND-8021	NONE
2	DOME	FIXED	1	PAN,TILT, ROTATE (MANUAL)	5 MP	30	3	100	73	INDOOR / OUTDOOR	CEILING (SURFACE)	PoE	O2, O3, O4, O6, O9, O11, O12, O13	A1, A3, A5, A6, A8, A10, A11, A16, A18	HANWHA	QNV-C8011R	NONE
4	360 FISHEYE	FIXED	1	FIXED	6 MP	30	1.14	187	187	INDOOR	CEILING (SURFACE)	PoE	O1, O11,	A3, A10, A15	HANWHA	QNF-8010	NONE
5	MULTI-IMAGE	VARIFOCAL	3	PAN,TILT, ROTATE (MANUAL)	6 MP	30	3 - 6	56 - 107	32 - 57	OUTDOOR	WALL (BRACKET)	PoE	O3, O4, O6, O9, O10, O11,	A3, A5, A6, A10, A16, A18	HANWHA	PNM-8082VT	SBP-390WMW2

GENERAL NOTES:

1 CONNECT TO EXISTING CAMPUS VIDEO MANAGEMENT SYSTEM (PANASONIC VMS)
2 PROVIDE GIGABIT FIBER SFP TRANSCEIVER (ANTAIRA SFP-M-T)
3 PROVIDE 12-PORT INDUSTRIAL GIGABIT POE+ MANAGED SWITCH (ANTAIRA LMP-1202G-SFP-T)
4 PROVIDE 8-PORT POWER SUPPLY FOR POE+ SWITCH (ANTAIRA SDR-240-8)

FEATURES / OPTIONS:

O1 IP42 MINIMUM ENCLOSURE
O2 INFRARED ILLUMINATION
O3 AUTOMATIC INFRARED CUT FILTER FOR DAY OR NIGHT MONITORING
O4 WIDE DYNAMIC RANGE
O5 VANDAL RESISTANT IK08 MINIMUM
O6 VANDAL RESISTANT IK10 MINIMUM
O7 UNI-DIRECTION AUDIO
O8 AUDIO & I/O INTERFACE WITH MICROPHONE & BI-DIRECTION AUDIO
O9 HALLWAY VIEW MODE
O10 DIGITAL IMAGE STABALIZATION
O11 PRIVACY MASKING
O12 WEATHER-PROOF ENCLOSURE IP65 MINIMUM
O13 MICRO HDMI OUTPUT

ANALYTICS :

A1 APPEAR/DISSAPEAR (VIRTUAL AREA)
A2 AUDIO DETECTION
A3 DEFOCUS DETECTION
A4 DIGITAL AUTOMATIC TRACKING
A5 DIRECTIONAL DETECTION
A6 EXITIENTER
A7 FACE RECOGNITION
A8 LICENSE PLATE RECOGNITION
A9 LOITERING DETECTION
A10 MOTION DETECTION
A11 OBJECT DETECTION: PERSON/VEHICLE
A12 OBJECT DETECTION: PERSON/VEHICLE/FACE/LICENSE PLATE
A13 OBJECT/PERSON ATTRIBUTES RECOGNITION (I.E. VEHICLE TYPE, CLOTHING COLOR)
A14 STOPPED VEHICLE DETECTION
A15 SOUND CLASSIFICATION
A16 TAMPERING DETECTION
A17 TEMPURATURE DETECTION
A18 VIRTUAL LINE DETECTION

ACCESS CONTROL DOORS & GATES

DESIGNATION	TYPE	# OF DOORS	ADA COMPLIANT	MODE	FIRE ALARM RELAY	FAIL SAFE OR SECURE	LOCKING MECHANISM	DEVICES: SECURED SIDE	DEVICES: UNSECURED SIDE	FUNCTIONS / ALARMS: STANDARD	FUNCTIONS / ALARMS: SPECIAL
CH1-2	STANDARD (HINGED)	2	NO	OPERATIONAL	NO	SEE DIV 08 SPECS	ELECTRIFIED TRIM WITH RX	(2) POWER TRANSFER DEVICE, (2) REQUEST TO EXIT	(1) ACCESS CONTROL READER	F3, F5, A2, A3	
CH1-3	STANDARD (HINGED)	1	YES	OPERATIONAL	NO	SEE DIV 08 SPECS	ELECTRIFIED TRIM WITH RX	(1) POWER TRANSFER DEVICE, (1) REQUEST TO EXIT	(1) ACCESS CONTROL READER	F3, F5, F6, A1, A3	
CH1-5	STANDARD (HINGED)	1	NO	OPERATIONAL	YES	SEE DIV 08 SPECS	ELECTRIFIED LOCKSET WITH RX	(1) POWER TRANSFER DEVICE, (1) DOOR CONTACT, (1) REQUEST TO EXIT	(1) ACCESS CONTROL READER	F3, F5, F6, A1, A3	
CHS-2-1	STOREFRONT (HINGED)	2	NO	OPERATIONAL	NO	SEE DIV 08 SPECS	ELECTRIFIED LOCKSET	(2) POWER TRANSFER DEVICE, (2) DOOR CONTACT	(1) ACCESS CONTROL READER	F4,F5,F6, A1, A3	
CHS-2-2	STOREFRONT (HINGED)	2	NO	OPERATIONAL	NO	SEE DIV 08 SPECS	ELECTRIFIED LOCKSET	(2) POWER TRANSFER DEVICE, (2) DOOR CONTACT	NONE	F5,F6, A1, A3	
MH1-1	STANDARD (HINGED)	1	H	OPERATIONAL	N/A	SEE DIV 08 SPECS	ELECTRIC STRIKE	(1) DOOR CONTACT	NONE	A3, A5	

GENERAL NOTES:

1 REFER TO DIVISION 08 SPECIFICATIONS FOR ACTUAL DOOR HARDWARE DEVICES
2 REFER TO DIVISION 28 DETAILS EACH DOOR TYPE
3 EXTERIOR DOORS: PROVIDE INLINE SURGE PROTECTION DEVICE FOR POWER TRANSFERS
4 EXTERIOR DOORS: PROVIDE INLINE SURGE PROTECTION DEVICE FOR ACCESS CONTROL READERS

ALARMS:

A1 INVALID, LOST, OR STOLEN CREDENTIALS AT READER
A2 IRREVERSIBLE PROCESS AT EXIT DEVICE
A3 DOOR FORCED OPEN
A4 DOOR FORCED OPEN (WITH KEY OVERRIDE)
A5 DOOR HELD OPEN (COORDINATE TIME DELAY WITH OWNER)
A6 OPTICAL DETECTOR BLOCKED
A7 GATE FORCED OPEN
A8 GATE HELD OPEN (COORDINATE TIME DELAY WITH OWNER)
A9 GATE BARRIER ENCLOSURE TAMPER

FUNCTIONS:

F1 FIRE ALARM RELEASE
F2 DELAYED EGRESS
F3 REQUEST TO EXIT
F4 SECONDARY DOOR RELEASE BUTTON TO UNLOCK DOOR
F5 KEY OVERRIDE
F6 AUTHORIZED CREDENTIAL TRANSACTION (FOR ENTRY)
F7 AUTHORIZED CREDENTIAL TRANSACTION (FOR EXIT)
F8 AUTHORIZED CREDENTIAL TRANSACTION PLUS KEYPAD INPUT (FOR ENTRY)
F9 AUTOMATIC OPERATION FOR ADA BUTTON AFTER AUTHORIZED CREDENTIAL TRANSACTION (FOR ENTRY)
F10 AUTOMATIC OPERATION FOR ADA BUTTON AFTER AUTHORIZED CREDENTIAL TRANSACTION (FOR EXIT)
F11 AUTOMATIC OPERATION AFTER AUTHORIZED CREDENTIAL TRANSACTION (FOR ENTRY)
F12 AUTOMATIC OPERATION AFTER AUTHORIZED CREDENTIAL TRANSACTION PLUS KEYPAD INPUT (FOR ENTRY)
F13 FREE MODE (UNLOCKED) DURING SCHEDULED HOURS. CONTROLLED MODE (LOCKED) AFTER SCHEDULED HOURS.
F14 PANIC BUTTON TO LOCK DOOR

ACCESS CONTROL / SECURITY PANELS

ACS	ACCESS CONTROL SYSTEM PANEL
ACN	ACCESS CONTROL NETWORK CONTROLLER
VSS	VIDEO SURVEILLANCE SYSTEM PANEL
SCP	SECURITY CONTROL PANEL
SMP	MASTER PANEL
NVR	NETWORK VIDEO RECORDER
SPS	SECURITY SYSTEM POWER SUPPLY

ACCESS CONTROL DEVICES

PBD	PUSH-BUTTON FOR ADA DOOR OPENER
CR	ACCESS CONTROL READER
DA	DOOR ACTUATOR
DC	DOOR CONTACT
EL	ELECTRIFIED LOCKSET
ES	ELECTRIC DOOR STRIKE
ET	ELECTRIFIED TRIM
PB	PANIC BUTTON - LOCK ALL EXTERIOR DOORS
PTD	ELECTRIC POWER TRANSFER DEVICE (MAY BE ELECTRIC HINGE, DOOR LOOP, OR MORTISE TYPE)
RX	REQUEST TO EXIT DEVICE
SR	SECONDARY RELEASE PUSH BUTTON

VIDEO SURVEILLANCE

NOTE: REFER TO CAMERA SCHEDULE FOR CAMERA TYPES.

EXTERIOR MOUNT SECURITY CAMERA. EXTEND 1" CONDUIT FROM CAMERA LOCATION TO 4 11/16" SQUARE x 3 1/4" DEEP BACK BOX IMMEDIATELY INSIDE EXTERIOR WALL OR NEAREST ACCESSIBLE LOCATION. ROUTE 1" CONDUIT FROM BOX TO TELECOMMUNICATIONS EQUIPMENT ROOM. SEE TELECOMMUNICATIONS DRAWINGS FOR ADDITIONAL CONDUIT REQUIRMENTS.

INTERIOR SECURITY CAMERA. PROVIDE 4 11/16" SQUARE x 2 1/8" DEEP BACK BOX IN WALL (WALL MOUNT CAMERA) OR SUPPORT FROM STRUCTURE WITH 1/4" THREADED ROD (CEILING MOUNT CAMERA). ROUTE 1" CONDUIT FROM BOX TO TELECOMMUNICATIONS EQUIPMENT ROOM. SEE TELECOMMUNICATIONS DRAWINGS FOR ADDITIONAL CONDUIT REQUIRMENTS.

CAM-#	CEILING MOUNT DOME / TURRET CAMERA, WITH FIXED CAMERA COVERAGE.
CAM-#	CEILING MOUNT DOME / TURRET CAMERA, WITH FIXED CAMERA COVERAGE.
CAM-#	CEILING MOUNT DOME / TURRET CAMERA, WITH 270 DEGREE COVERAGE.
CAM-#	CEILING MOUNT DOME / TURRET CAMERA, WITH 360 DEGREE COVERAGE.
CAM-#	WALL MOUNT DOME / TURRET CAMERA, WITH FIXED CAMERA COVERAGE.
CAM-#	WALL MOUNT DOME / TURRET CAMERA, WITH 180 DEGREE COVERAGE.
CAM-#	WALL MOUNT DOME / TURRET CAMERA, WITH 360 DEGREE COVERAGE.

ACCESS CONTROL DOOR IDENTIFICATION CODE

FIRST LETTER: (CONTROL FUNCTION)
C: CONTROLLED
M: MONITORED

SECOND LETTER: (DOOR TYPE)
G: GATE
H: HINGED DOOR
R: ROLL-UP DOOR
S: SLIDING DOOR

SUCCEEDING LETTER(S): (MODIFIERS)
A: ADA
C: CAGE
T: STOREFRONT

XYZ-N-Q
X: CONTROL FUNCTION
Y: DOOR TYPE
Z: MODIFIERS (IF NEEDED)
Q: FEATURE SET
N: NUMBER OF DOORS

CHTA-1-1 EXAMPLE: CONTROLLED SINGLE DOOR (HINGED, ADA, STOREFRONT)
MH-2-1 EXAMPLE: MONITORED DOUBLE DOOR (HINGED)
CR-1-2 EXAMPLE: CONTROLLED ROLL-UP DOOR

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. ASME
   a. ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019
2. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).
3. NATIONAL FIRE CODES
   a. NFPA 1 FIRE CODE - 2021 (FLORIDA EDITION)
   b. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM - 2017
   c. NFPA 70 NATIONAL ELECTRICAL CODE - 2020
   d. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE - 2019
   e. NFPA 75 STANDARD FOR THE FIRE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT - 2020
   f. NFPA 101 LIFE SAFETY CODE - 2021 (FLORIDA EDITION) FOR EMERGENCY RESPONSE -2017
4. FLORIDA BUILDING CODE, 2023 EDITION
   a. BUILDING CODE
   b. ENERGY CONSERVATION CODE
   c. MECHANICAL CODE
   d. PLUMBING CODE
   e. ACCESSIBILITY CODE
5. FLORIDA STATUTES
   a. CHAPTER 471 ENGINEERING
   b. CHAPTER 533.80 BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
6. FLORIDA ADMINISTRATIVE CODE
   a. CHAPTER 9B-7 FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS
   b. CHAPTER 61C-5 FLORIDA ELEVATOR SAFETY CODE
   c. CHAPTER 61G15-34 RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
   d. CHAPTER 69A-3 FIRE PREVENTION - GENERAL PROVISIONS
   e. CHAPTER 69A-47 UNIFORM FIRE SAFETY STANDARDS FOR ELEVATORS
   f. CHAPTER 69A-60 THE FLORIDA FIRE PREVENTION CODE
7. ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS (ADAAG)

RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.

THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.

WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

GENERAL NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023, THE FLORIDA FIRE PREVENTION CODE, THE NATIONAL ELECTRICAL CODE 2020 EDITION, AND ALL CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS.
3. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH.
4. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
5. THE CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
6. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES.
7. WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
8. ERECT AND MAINTAIN REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
9. COORDINATE AND SEQUENCE DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
10. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
11. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EQUIPMENT AND MATERIALS.
12. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
13. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION.
14. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
15. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
16. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
17. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
18. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
19. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
20. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
21. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
22. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
23. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
24. REMOVE AND RE-INSTALL EXISTING CEILING TILE AS REQUIRED. REPLACE ANY TILE DAMAGED OR SOILED DURING CONSTRUCTION.
25. PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE, CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED.
26. SEAL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.

ABBREVIATIONS

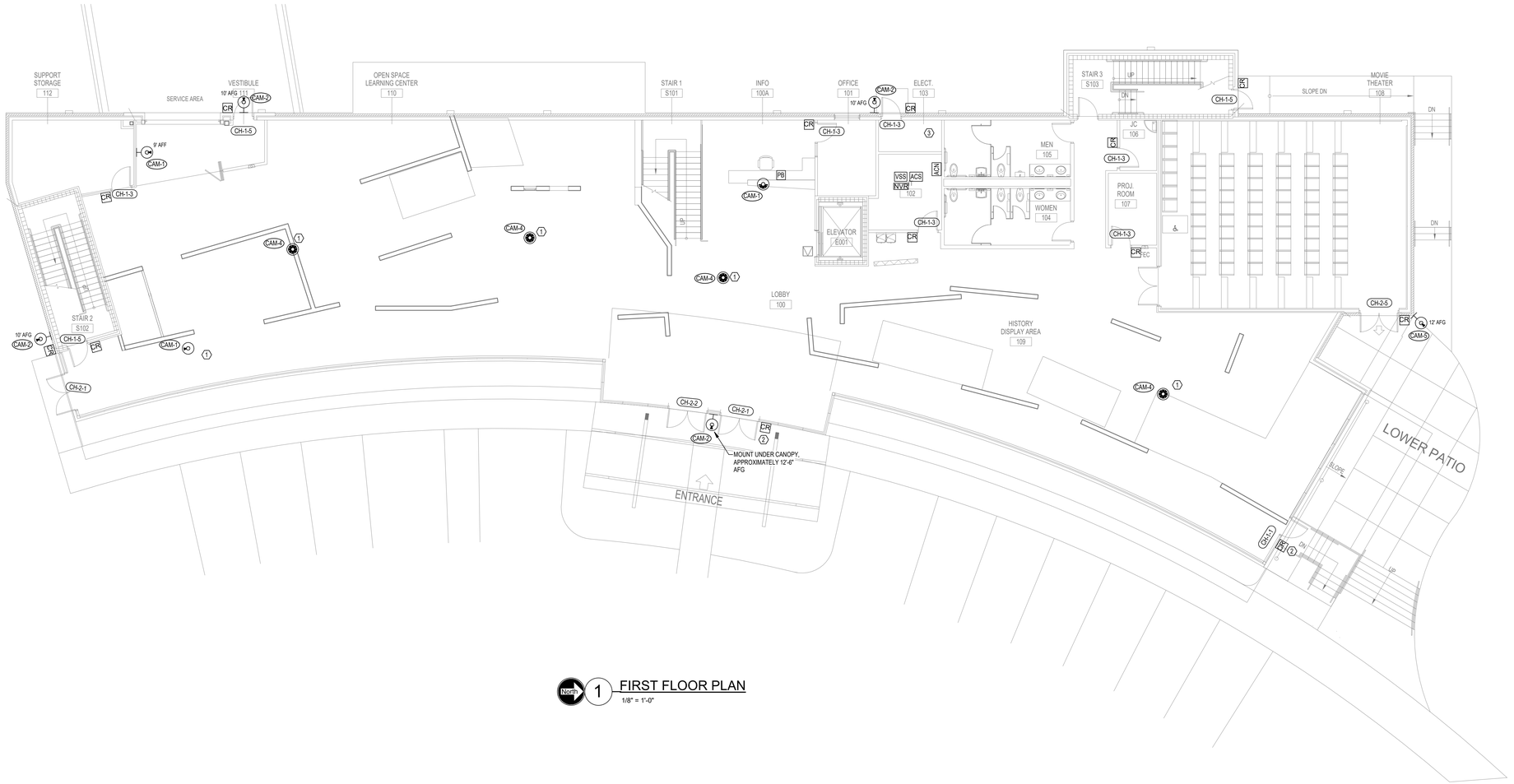
ADS	ACOUSTICALLY DISTINGUISHED SPACE	IC	INTERMEDIATE CROSS-CONNECTION
AFF	ABOVE FINISHED FLOOR	IMC	INTERMEDIATE METALLIC CONDUIT
AFG	ABOVE FINISHED GRADE	LAN	LOCAL AREA NETWORK
AHJ	AUTHORITY HAVING JURISDICTION	LC	LUCENT CONNECTOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MC	MAIN CROSS-CONNECTION
		NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BICSI	BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL	PDU	POWER DISTRIBUTION UNIT
CBB	COMMUNICATIONS BACKBOARD	PNL	ELECTRICAL PANEL
CIS	COMMON INTELLIGIBILITY SCALE	PTD	ELECTRIC POWER TRANSFER DEVICE
CLG	DEVICE LOCATED ON CEILING	PTZ	PAN-TILT-ZOOM
CMP	COMMUNICATIONS PLENUM CABLE (CABLE MARKING AS PER NFPA 70)	SPD	SURGE PROTECTIVE DEVICE
		TGB	TELECOMMUNICATIONS GROUNDING BAR
CNT	CONTRACTOR	TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
DN	DOWN		
EIA	ELECTRONIC INDUSTRIES ALLIANCE	TR	TELECOMMUNICATIONS ROOM
EMI	ELECTROMAGNETIC INTERFERENCE	TYP	TYPICAL
EMT	ELECTRICAL METALLIC TUBING	UNO	UNLESS NOTED OTHERWISE
G	GROUND	UPS	UNINTERRUPTIBLE POWER SUPPLY
GRC	GALVANIZED RIGID CONDUIT	UTP	UNSHIELDED TWISTED-PAIR
HC	HORIZONTAL CROSS-CONNECTION	WP	WEATHER PROOF

ACCESS CONTROL / SECURITY NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH ALL CODES, ORDINANCES, RULES AND REGULATIONS OF THE AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
3. THE INTENT OF THE DRAWINGS IS TO PROVIDE A COMPLETE AND OPERATIONAL SECURITY SYSTEM IN ACCORDANCE WITH THE FUNCTIONAL REQUIREMENTS AND SEQUENCE(S) OF OPERATION. THE DRAWINGS INDICATE DESIGN INTENT BUT ARE DIAGRAMMATICAL IN NATURE AND DO NOT NECESSARILY INDICATE OR DETAIL EACH COMPONENT REQUIRED TO PROVIDE A FULLY FUNCTIONAL SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS AND/OR WIRING TO ACHIEVE A FULLY FUNCTIONAL SYSTEM.
4. PRIOR TO BID, REVIEW THE ELECTRICAL DOCUMENTS IN DETAIL. INCLUDE WITHIN THE BID PRICE ANY ADDITIONAL INFRASTRUCTURE REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
5. COORDINATE INSTALLATION OF ALL DOOR ACCESS CONTROL DEVICES WITH ARCHITECTURAL DOOR HARDWARE SCHEDULE. SEE DIVISION 08 SPECIFICATIONS FOR FUNCTION AND SEQUENCE OF OPERATION. COORDINATE FUNCTIONALITY AND SEQUENCE OF OPERATION WITH ALL TRADE CONTRACTORS.
6. COORDINATE EXACT LOCATION OF ALL SECURITY DEVICES WITH OTHER CEILING AND WALL MOUNTED COMPONENTS.
7. LIGHT FIXTURES AND HVAC DIFFUSERS TAKE PRECEDENCE. ADD ADDITIONAL SECURITY DEVICES AS REQUIRED TO MAINTAIN COVERAGE REQUIREMENTS.
8. ALL CONDUITS AND SLEEVES SHOWN SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.
9. ALL FIRE ALARM AND SECURITY SYSTEM CABLING SHALL BE INSTALLED IN SEPARATE CONDUITS AND PULL BOXES.
10. ALL CABLING EXPOSED ABOVE THE CEILING SHALL BE PLENUM RATED.
11. ELECTRIFIED DOOR HARDWARE FUNCTIONS ARE SUBJECT TO APPROVAL OF AUTHORITY HAVING JURISDICTION.
12. MAGNETIC LOCKS SHALL AUTOMATICALLY RELEASE UPON LOSS OF POWER OR ACTI

KEYNOTES

1. PROVIDE 3' MOUNTING POLE TO SUSPEND CAMERA IN AREA WITHOUT CEILING. SECURE JUNCTION BOX TO STRUCTURE AND MOUNT POLE TO BOX.
2. INSTALL CARD READER ON STOREFRONT MULLION.
3. INTEGRATE ACCESS CONTROLS WITH FIRE ALARM SYSTEM FOR UNLOCKING DOORS REQUIRED FOR EGRESS.



North 1 FIRST FLOOR PLAN
1/8" = 1'-0"

ENGINEERING
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H2E PROJECT No: 24179

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Florida Registry #5485
Daniel R. Haberfeld, P.E. #91238

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	DRH
50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
YOUTH LEARNING CENTER - 1ST FLOOR PLAN

TS1.1

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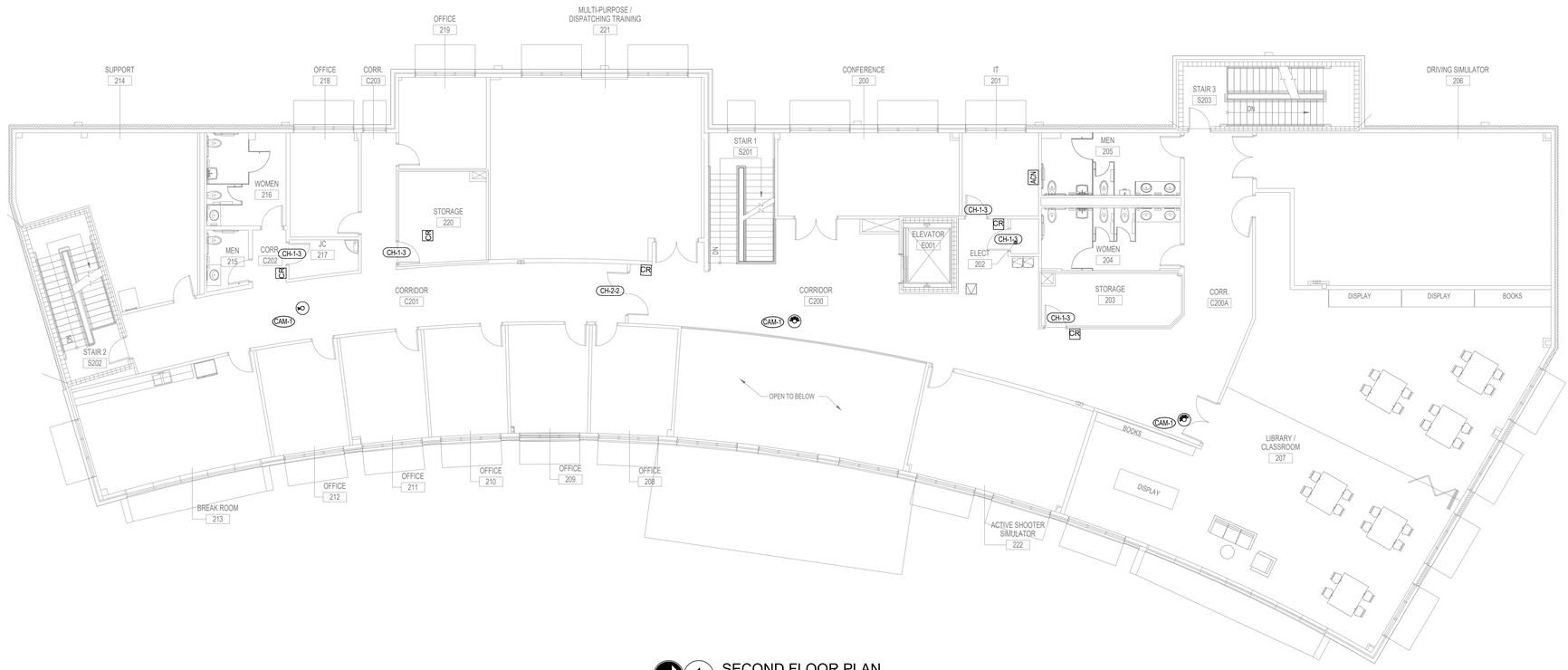

North 1 SECOND FLOOR PLAN

1/8" = 1'-0"

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Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 2ND FLOOR PLAN

TS1.2

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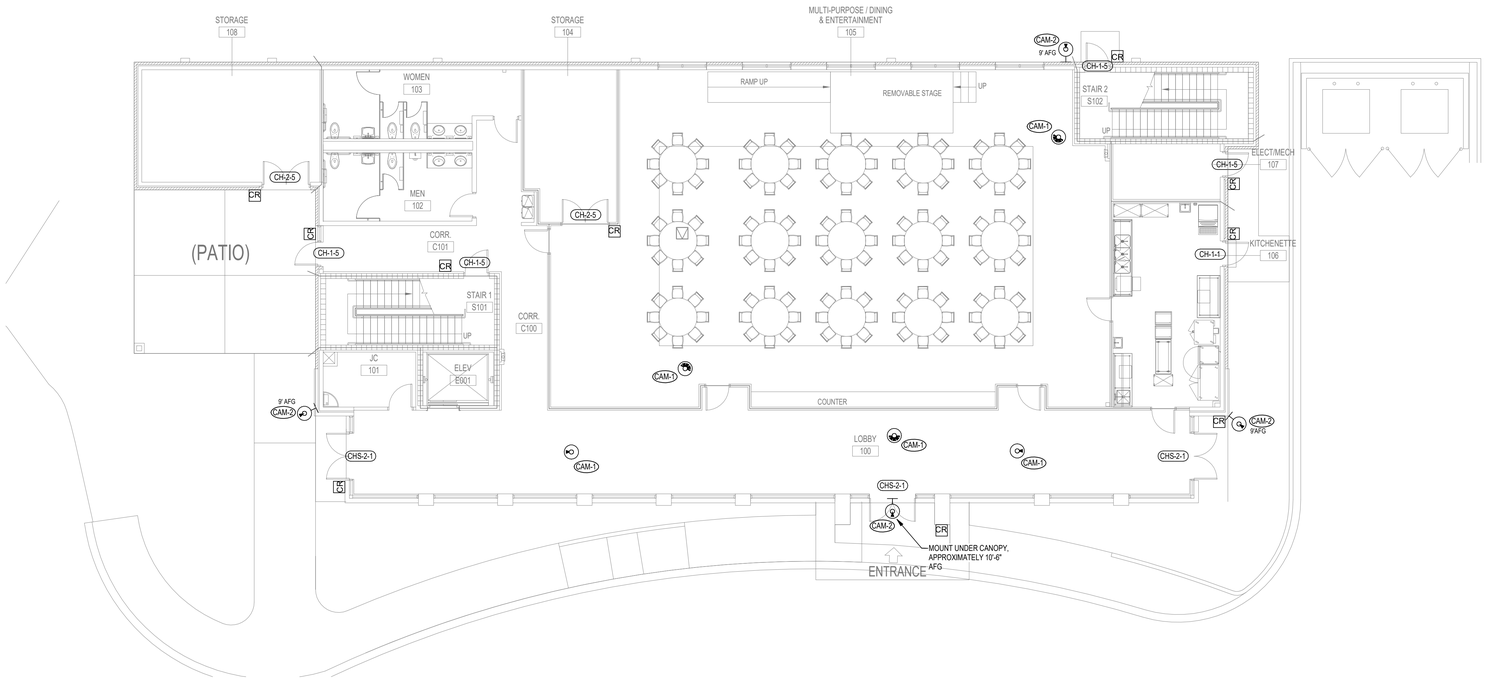
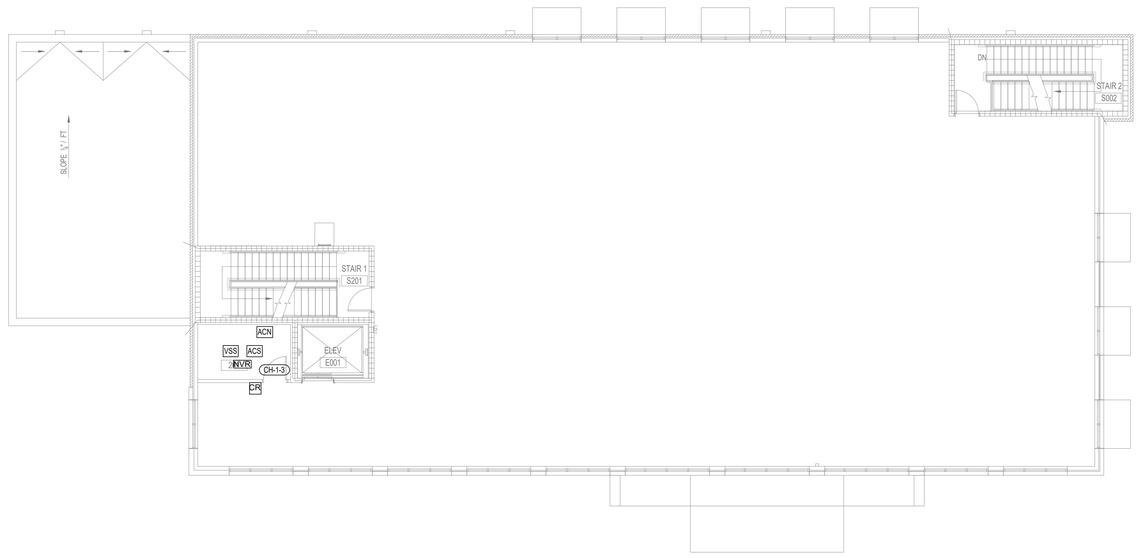


1 FIRST FLOOR PLAN

1/8" = 1'-0"



2 SECOND FLOOR PLAN

1/8" = 1'-0"

ENGINEERING
114 EAST 5th AVENUE TALLAHASSEE, FL 32303
PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No. 24179

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Florida Registry #5485
Daniel R. Haberfeld, P.E. #91238

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

CRA ARCHITECTS

Clemons,Rutherford, & Associates, Inc.

Architects
Planners
Interior Designers
Construction Managers

2027 Thomasville Road
Tallahassee, Florida 32308

phone 850-385-6153
fax 850-386-8420
cra@clemons-rutherford.com

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	DRH
50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT BUILDING

TS2.1

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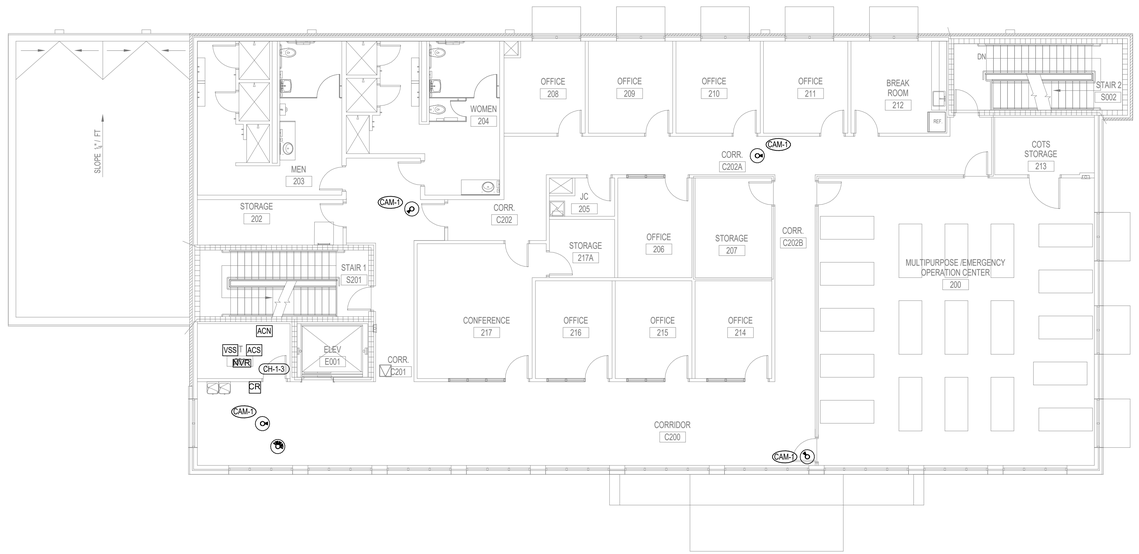

1 SECOND FLOOR PLAN - ADD ALTERNATE

1/8" = 1'-0"

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50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

BLACKBURN-HUNT BUILDING - 2ND FLOOR PLAN - ADD ALT.

TS2.1A

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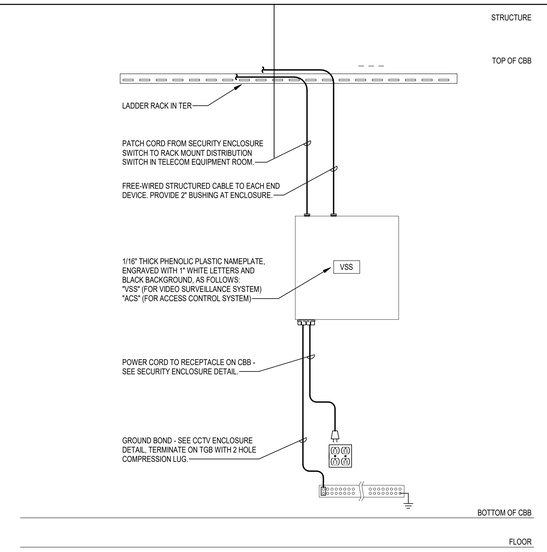
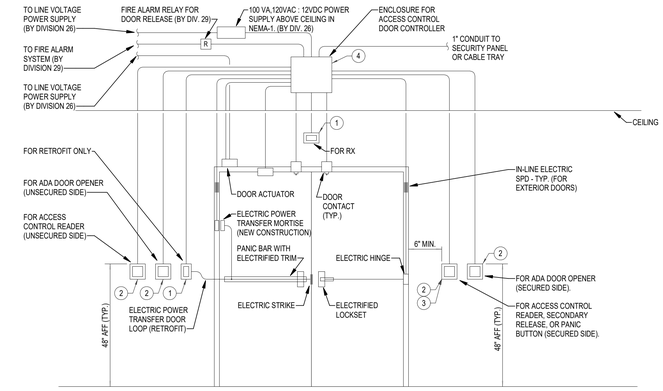


D SECURITY ENCLOSURE IN TELECOMMUNICATION CLOSET N.T.S.



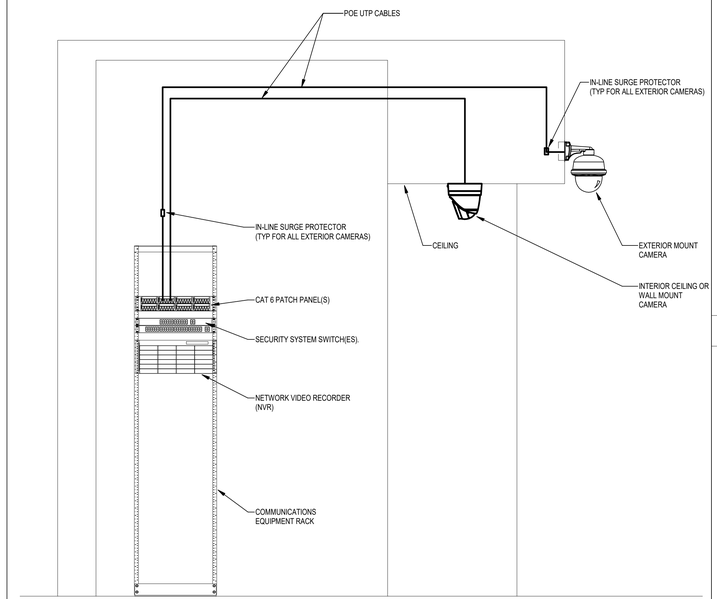
GENERAL NOTES:

1. THIS DIAGRAM IS NOT DRAWN TO SCALE AND IS A GENERAL REPRESENTATION OF ROUGH-IN REQUIREMENTS FOR VARIOUS TYPES OF ACCESS CONTROL COMPONENTS. VARIOUS COMBINATIONS OF DEVICES MAY BE USED ON DIFFERENT SECURITY DOOR TYPES. COORDINATE INSTALLATION OF ALL ACCESS CONTROL DEVICES WITH DIVISION 08 DOOR HARDWARE SCHEDULE.
2. ALL CONDUITS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
3. SEE SPECIFICATIONS FOR CABLE TYPE AND SIZE.
4. LOCKING MECHANISM MAY OR MAY NOT HAVE INTEGRAL REQUEST TO EXIT DEVICE. SEE DOOR SCHEDULE.
5. ALL MANUAL OPERATED CONTROLS (ACCESS CONTROL READERS, ADA DOOR OPENERS, ETC.) SHALL BE LOCATED BEYOND THE ARC OF THE DOOR SWING, IN THE OPEN POSITION.

KEY NOTES:

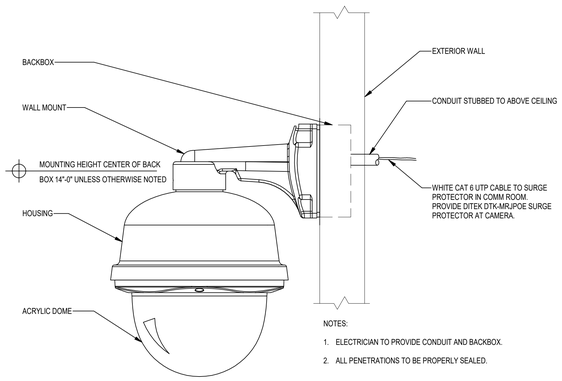
1. 1-GANG ELECTRICAL BOX WITH PLASTER RING.
2. 2-GANG ELECTRICAL BOX WITH 1-GANG PLASTER RING.
3. PROVIDE SEPARATE ELECTRICAL BOX FOR EACH TYPE OF DEVICE.
4. COORDINATE ELECTRICAL BOX SIZE WITH ACTUAL EQUIPMENT TO BE PROVIDED.
5. CONDUIT FOR MINI-CONSOLE MAY BE ROUTED FROM ABOVE OR BELOW.
6. COORDINATE EXACT MOUNTING LOCATION WITH OWNER.

A ACCESS CONTROL DOOR ROUGH-IN DETAIL - DOUBLE DOORS (SIMILAR FOR SINGLE DOORS) N.T.S.



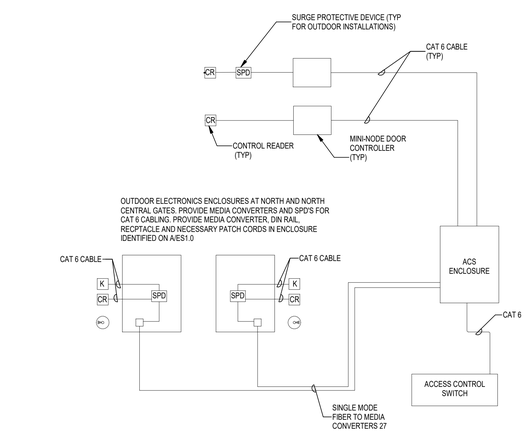
NOTES:
1. SEE PLANS FOR ACTUAL DEVICE LOCATIONS AND QUANTITIES.
2. SEE TELECOMMUNICATIONS PLANS FOR RACK ELEVATIONS CONTAINING QUANTITIES AND LOCATIONS OF RACK MOUNTED EQUIPMENT.

E VIDEO SURVIELLENCE SYSTEM SCHEMATIC RISER DIAGRAM N.T.S.



NOTES:
1. ELECTRICIAN TO PROVIDE CONDUIT AND BACKBOX.
2. ALL PENETRATIONS TO BE PROPERLY SEALED.

B WALL MOUNT EXTERIOR DOME PoE CAMERA N.T.S.



NOTE:

ALL WORK BY THIS CONTRACTOR UNLESS NOTED OTHERWISE SEE RESPONSIBILITY MATRIX FOR MORE INFORMATION ON DIVISION OF WORK.

*SEE FLOOR PLAN FOR LOCATION AND QUANTITIES OF DEVICES AND ENCLOSURES.

C ACCESS CONTROL SYSTEM SCHEMATIC N.T.S.

H2E ENGINEERING
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50% CD	04-15-25	BJM	DRH
100% CD	07-18-25	BJM	DRH

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

TS5.1

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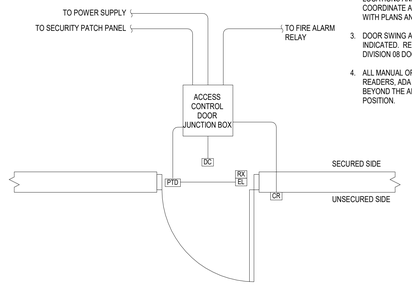
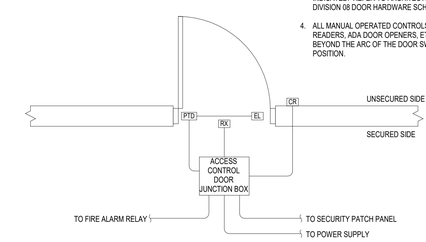


GENERAL NOTES:

1. SEE ACCESS CONTROL DOOR DETAILS A/ES5.2
2. THIS DIAGRAM IS NOT DRAWN TO SCALE AND IS A GENERAL REPRESENTATION OF THE COMPONENTS, LOCATIONS AND ASSOCIATED CONNECTIONS. COORDINATE ACTUAL LOCATIONS AND CONNECTIONS WITH PLANS AND APPROVED SHOP DRAWINGS.
3. DOOR SWING AND / OR HANDING MAY BE DIFFERENT THAN INDICATED. REFER TO ARCHITECTURAL PLANS AND DIVISION 08 DOOR HARDWARE SCHEDULE.
4. ALL MANUAL OPERATED CONTROLS (ACCESS CONTROL READERS, ADA DOOR OPENERS, ETC.) SHALL BE LOCATED BEYOND THE ARC OF THE DOOR SWING, IN THE OPEN POSITION.

SINGLE DOOR, CONTROLLED ENTRY

CH-1-5 **ACCESS CONTROL DOOR DIAGRAM - SINGLE DOOR** **N.T.S.**



GENERAL NOTES:

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2. THIS DIAGRAM IS NOT DRAWN TO SCALE AND IS A GENERAL REPRESENTATION OF THE COMPONENTS, LOCATIONS AND ASSOCIATED CONNECTIONS. COORDINATE ACTUAL LOCATIONS AND CONNECTIONS WITH PLANS AND APPROVED SHOP DRAWINGS.
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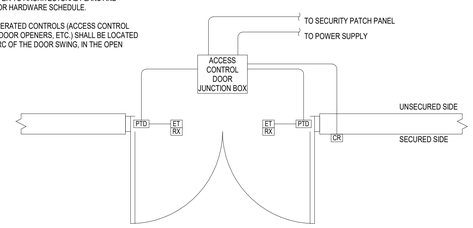
SINGLE DOOR, CONTROLLED ENTRY

CH-1-3 **ACCESS CONTROL DOOR DIAGRAM - SINGLE DOOR** **N.T.S.**

GENERAL NOTES:

1. SEE ACCESS CONTROL DOOR DETAILS A/ES5.2
2. THIS DIAGRAM IS NOT DRAWN TO SCALE AND IS A GENERAL REPRESENTATION OF THE COMPONENTS, LOCATIONS AND ASSOCIATED CONNECTIONS. COORDINATE ACTUAL LOCATIONS AND CONNECTIONS WITH PLANS AND APPROVED SHOP DRAWINGS.
3. DOOR SWING AND / OR HANDING MAY BE DIFFERENT THAN INDICATED. REFER TO ARCHITECTURAL PLANS AND DIVISION 08 DOOR HARDWARE SCHEDULE.
4. ALL MANUAL OPERATED CONTROLS (ACCESS CONTROL READERS, ADA DOOR OPENERS, ETC.) SHALL BE LOCATED BEYOND THE ARC OF THE DOOR SWING, IN THE OPEN POSITION.



DOUBLE DOOR, CONTROLLED ENTRY, EMERGENCY

CH-2-2 **ACCESS CONTROL DOOR DIAGRAM - DOUBLE DOOR** **N.T.S.**

GENERAL NOTES:

1. SEE ACCESS CONTROL DOOR DETAILS A/ES5.2
2. THIS DIAGRAM IS NOT DRAWN TO SCALE AND IS A GENERAL REPRESENTATION OF THE COMPONENTS, LOCATIONS AND ASSOCIATED CONNECTIONS. COORDINATE ACTUAL LOCATIONS AND CONNECTIONS WITH PLANS AND APPROVED SHOP DRAWINGS.
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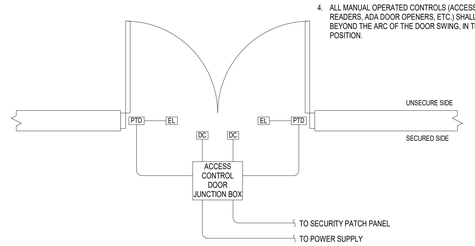
4. ALL MANUAL OPERATED CONTROLS (ACCESS CONTROL READERS, ADA DOOR OPENERS, ETC.) SHALL BE LOCATED BEYOND THE ARC OF THE DOOR SWING, IN THE OPEN POSITION.



CHS-2-1 **ACCESS CONTROL DOOR DIAGRAM - DOUBLE DOOR** **N.T.S.**

GENERAL NOTES:

1. SEE ACCESS CONTROL DOOR DETAILS A/ES5.2
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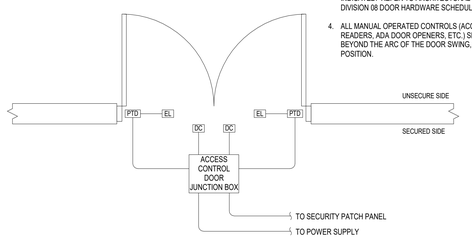

DOUBLE STOREFRONT DOOR, CONTROL ENTRY

CHS-2-2 **ACCESS CONTROL DOOR DIAGRAM - DOUBLE DOOR** **N.T.S.**

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CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS

TS5.2

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FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOORS	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	HILTI PRODUCTS
		BASIS OF DESIGN UL SYSTEM			
CIRCULAR BLANK OPENINGS (0000-0999)	1	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	CP 680, CP 618, FS-ONE MAX, CFS- BL
	2	F-A-0006, C-AJ-0055, C-AJ-0090	C-AJ-0055, C-AJ-0090	--	
METAL PIPES OR CONDUIT (1000-1999)	1	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020	W-L-1054, W-L-1058, W-L-1164, W-L-1506	CP 680, FS-ONE MAX, CP 606, CFS-S SIL GG, CFS-D, MINERAL WOOL
	2	C-AJ-1226, F-A-1028, F-A-1017	C-AJ-1226, W-J-1067, W-J-1020, W-J-1248	W-L-1054, W-L-1058, W-L-1164, W-L-1506	
NON-METALLIC PIPE OR CONDUIT (F-E-PVC, ABS, FRP, ENT) (2000-2999)	1	F-A-2053, F-A-2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	CP 680, CP 643N, MINERAL WOOL, CP 644, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, CP 648
	2	F-A 2053, F-A 2025, C-AJ-2109, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-BJ-2021, C-AJ-2371, C-AJ-2342	C-AJ-2109, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342	W-L-2078, W-L-2075, W-L-2128	
SINGLE OR BUNDLED CABLES (3000-3999)	1	F-A-3007, C-AJ-3095, C-AJ-3180, C-AJ-3283	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	CP 680, CP 653, FS-ONE MAX, CP 618, CP 606, CFS-D, CFS-CC
	2	F-A-3007, C-AJ-3095, C-AJ-3334, F-A-3060	W-J-3036, C-AJ-3095, C-AJ-3180, W-J-3060, W-J-3167, W-J-3189	W-L-3065, W-L-3111, W-L-3112, W-L-3334, W-L-3414, W-L-3396	
CABLE TRAY (4000-4999)	1	C-AJ-4034, C-AJ-4035	W-J-4027, C-AJ-4034, C-AJ-4035	W-L-4011, W-L-4019, W-L-4081	CFS-BL, FS-ONE MAX, CP 620, CP 618
	2	C-AJ-4034, C-AJ-4035	W-J-4027, C-AJ-4034, C-AJ-4035	W-L-4011, W-L-4019, W-L-4081	
ELECTRICAL BUSWAY (6000-6999)	1	C-AJ-6006, C-AJ-6017, F-A-6002, C-AJ-6036	C-AJ-6006, C-AJ-6017, C-AJ-6036	--	CP 637, FS-ONE MAX, CP 620, CFS-BL, MINERAL WOOL, CFS-S SIL GG, CFS-S SIL SL
	2	C-AJ-6006, C-AJ-6017, F-A 6042, C-AJ-6036	C-AJ-6006, C-AJ-6017, C-AJ-6036	--	
MIXED PENETRANTS (8000-8999)	1	C-AJ-8099, C-AJ-8056, C-AJ-8143	C-AJ-8099, C-AJ-8056, W-J-8007, C-AJ-8143	W-L-1095, W-L-8013	FS-ONE MAX, CFS-BL, CP 620, CP 618
	2	C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252	C-AJ 8099, C-AJ-8056, W-J-8007, C-AJ-8143, C-AJ-8252	W-L-1095, W-L-8013	

NOTES:

1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURES: HILTI, RECTORSEAL, 3M, STI.

RESPONSIBILITY MATRIX FOR FIRE SAFETY AND EMERGENCY COMMUNICATIONS

NOTE:
THIS MATRIX IS INTENDED TO INDICATE A GENERAL LISTING OF THE WORK AND MATERIALS TO BE FURNISHED AND INSTALLED BY THE VARIOUS TRADES FOR COORDINATION PURPOSES ONLY. IT IS NOT INTENDED TO BE ALL INCLUSIVE. EACH TRADE IS RESPONSIBLE FOR FURNISHING AND INSTALLING THEIR RESPECTIVE COMPLETE AND WORKING SYSTEM. REFER TO DRAWINGS AND SPECIFICATIONS FOR THE EXTENT OF WORK INVOLVED.

AREA OF WORK / CATEGORY OF EQUIPMENT	FURNISHED BY					INSTALLED BY					
	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	OWNER	ELECTRICAL CONTRACTOR	TELECOM CONTRACTOR	AV CONTRACTOR	SECURITY CONTRACTOR	FIRE ALARM CONTRACTOR	COMMENTS
FIRE ALARM SYSTEM													
FIRE ALARM CONTROL PANELS, ANNUNCIATORS, INITIATING DEVICES, NOTIFICATION APPLIANCES						X						X	
EMERGENCY RESPONDER RADIO COVERAGE SYSTEM INCLUDING DEVICES, CABLING, TESTING AND CERTIFICATION						X						X	
EMERGENCY RESPONDER RADIO ROOFTOP ANTENNA, GROUND BAR, BONDING TO BUILDING GROUND						X						X	
DIGITAL ALARM COMMUNICATION TRANSMITTERS / RADIO TRANSMITTERS													NOT IN SCOPE
UNDERGROUND CONDUITS, BACKBOXES, HAND HOLES, PULL BOXES						X						X	
ABOVEGROUND CONDUITS, CABLE TRAYS, BACK BOXES, SLEEVES THRU WALLS AND FLOORS						X						X	
SURGE PROTECTION DEVICES FOR EXTERIOR COPPER CABLES						X						X	
FIRE STOPPING OF CONDUITS AND SLEEVES						X						X	
PERMANENT LINK TESTING AND DOCUMENTATION AFTER INSTALLATION						X						X	
IDENTIFICATION AND LABELING						X						X	

FIRE ALARM - DESIGN DATA

BUILDING INFORMATION			
	TYPE		NEW
	OCCUPANCY CLASSIFICATION (NOTE 1)		ASSEMBLY
	FULLY SPRINKLERED BUILDING		YES
	HIGH RISE BUILDING		NO
FIRE ALARM SYSTEM			
	TYPE		ADDRESSABLE
	QTY OF ZONES	#	N/A
	PATHWAY CLASS DESIGNATION		CLASS A
	PATHWAY SURVIVABILITY		LEVEL 1
	EVACUATION SIGNAL		GENERAL EVACUATION
	AUDIBLE NOTIFICATION APPLIANCES		HORNS / CHIMES
EMERGENCY COMMUNICATION SYSTEMS			
	MASS NOTIFICATION TYPE		NONE
	VOICE EVACUATION		NO
	TWO-WAY, IN-BUILDING WIRED		NO
	TWO-WAY, RADIO ENHANCEMENT		DELEGATED DESIGN
	TWO-WAY, AREA OF REFUGE		NO
	TWO-WAY, ELEVATOR EMERGENCY		YES
	TWO-WAY, STAIRWAY		YES
MINIMUM REQUIRED SECONDARY POWER			
	SECONDARY POWER SUPPLY		BATTERIES
	REQUIRED DURATION		24 HRS (NON-ALARM) + 5 MIN (ALARM)
	SAFETY MARGIN (BATTERIES)	%	20

NOTES:
1 PRINCIPAL OCCUPANCY CLASSIFICATION IS PER NFPA 1 AND NFPA 101. SEE LIFE SAFETY PLANS FOR MORE INFORMATION.

AUDIBLE NOTIFICATION REQUIREMENTS

SPACE TYPE	SOUND LEVEL ABOVE AVERAGE AMBIENT (dB)	SOUND LEVEL ABOVE MAX. SOUND LEVEL (dB)	MINIMUM SOUND LEVEL (dBA)	MEASURED LOCATION	SIGNAL TYPE
GENERAL (EXCEPT AS LISTED BELOW)	15	5	N/A	5 FT. AFF	3-PULSE TEMPORAL
ELEVATORS	10	5	N/A	5 FT. AFF	3-PULSE TEMPORAL
SLEEPING AREAS	15	5	75	PILLOW	520 HZ SQUARE WAVE

NOTES:
1. TOTAL SOUND PRESSURE LEVEL SHALL NOT EXCEED 110 dB.
2. SEE TABLE "AVERAGE AMBIENT SOUND LEVELS" FOR TYPICAL AMBIENT SOUND LEVELS.

AVERAGE AMBIENT SOUND LEVELS

	AVERAGE AMBIENT SOUND LEVEL (dBA)
BUSINESS OCCUPANCIES	55
EDUCATIONAL OCCUPANCIES	45
INDUSTRIAL OCCUPANCIES	80
INSTITUTIONAL OCCUPANCIES	50
MERCANTILE OCCUPANCIES	40
MECHANICAL ROOMS	85
PLACES OF ASSEMBLY	55
RESIDENTIAL OCCUPANCIES	35
STORAGE OCCUPANCIES	30
UNDERGROUND STRUCTURES	40
WINDOWLESS BUILDINGS	40

NOTES:
1. THE SOUND LEVELS ABOVE ARE INTENDED FOR DESIGN GUIDANCE PURPOSES.
2. ACTUAL SOUND LEVEL MEASUREMENTS SHALL BE USED FOR TESTING AND COMPLIANCE.

SPEECH INTELLIGIBILITY REQUIREMENTS

SPACE TYPE	MINIMUM INTELLIGIBILITY VALUE	AVERAGE INTELLIGIBILITY VALUE
GENERAL (EXCEPT AS LISTED BELOW)	0.45 STI (0.65 CIS)	0.50 STI (0.70 CIS)
ANIMAL SHELTERS / KENNELS	N / A	N / A
ELECTRICAL ROOMS	N / A	N / A
ELEVATOR CARS	N / A	N / A
ELEVATOR MACHINE ROOMS	N / A	N / A
INDIVIDUAL OFFICES	N / A	N / A
KITCHENS / FOOD SERVICE	N / A	N / A
PRIVATE RESTROOM / TOILET	N / A	N / A
MACHINE SHOPS	N / A	N / A
MECHANICAL ROOMS	N / A	N / A
MISC. EQUIPMENT ROOMS	N / A	N / A
SAUNAS	N / A	N / A
SHOWER ROOMS	N / A	N / A
STAIRWAYS	N / A	N / A
STORAGE ROOMS	N / A	N / A

NOTES:
1. 90% OF ALL MEASUREMENT LOCATIONS WITHIN EACH ACOUSTICALLY DISTINGUISHED SPACE SHALL MEET THE MINIMUM AND AVERAGE INTELLIGIBILITY VALUE.

CEILING-MOUNTED VISIBLE APPLIANCE SPACING

MAXIMUM ROOM SIZE (FT. x FT.)	MAXIMUM LENS HEIGHT (FT.)	MINIMUM REQUIRED LIGHT OUTPUT (CD)
20 x 20	10	15
30 x 30		30
40 x 40		60
44 x 44		75
20 x 20	20	30
30 x 30		45
44 x 44		75
46 x 46		80
20 x 20	30	55
30 x 30		75
50 x 50		95
53 x 53		110
55 x 55		115
59 x 59		135
63 x 63		150
68 x 68		177
70 x 70		185

NOTES:
1. MINIMUM REQUIRED LIGHT OUTPUT BASED ON ONE LIGHT PER ROOM.
2. MAXIMUM LENS HEIGHT DOES NOT PRECLUDE MOUNTING LENS AT LOWER HEIGHTS.

WALL-MOUNTED VISIBLE APPLIANCE SPACING

MAXIMUM ROOM SIZE (FT. x FT.)	MINIMUM REQUIRED LIGHT OUTPUT (CD)
20 x 20	15
28 x 28	30
30 x 30	34
40 x 40	60
45 x 45	75
50 x 50	94
54 x 54	110
55 x 55	115
60 x 60	135
63 x 63	150
68 x 68	177
70 x 70	184
80 x 80	240
90 x 90	304
100 x 100	375
110 x 110	455
120 x 120	540
130 x 130	635

NOTES:
1. MINIMUM REQUIRED LIGHT OUTPUT BASED ON ONE LIGHT PER ROOM.

FIRE ALARM CONTROL UNITS & PANELS

FAAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
NAC	NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL

FIRE ALARM INITIATING DEVICES

F	MANUAL FIRE ALARM PULL STATION
H$_X$	SYSTEM HEAT DETECTOR - CLG. MOUNT ("X" = TYPE, 135°F FIXED TEMPERATURE IF OMITTED). ## = FIXED TEMPERATURE RATING °F R = RATE OF RISE R/C = RATE COMPENSATION R/F = COMBINATION FIXED TEMPERATURE / RATE OF RISE
(H)$_X$	SYSTEM HEAT DETECTOR - WALL MOUNT ("X" = TYPE, 135°F FIXED TEMPERATURE IF OMITTED). ## = FIXED TEMPERATURE RATING °F R = RATE OF RISE R/C = RATE COMPENSATION R/F = COMBINATION FIXED TEMPERATURE / RATE OF RISE
S$_X$	SYSTEM SMOKE DETECTOR - CLG. MOUNT ("X" = TYPE, PHOTOELECTRIC IF OMITTED). AS = AIR SAMPLING BR = BEAM RECEIVER BT = BEAM TRANSMITTER PA = SERVING PRE-ACTION SPRINKLER SYSTEM CA = CLEAN AGENT
(S)$_X$	SYSTEM SMOKE DETECTOR - WALL MOUNT ("X" = TYPE, PHOTOELECTRIC IF OMITTED). AS = AIR SAMPLING BR = BEAM RECEIVER BT = BEAM TRANSMITTER PA = SERVING PRE-ACTION SPRINKLER SYSTEM
CO	SYSTEM CARBON MONOXIDE DETECTOR - CEILING MOUNT
	SYSTEM SMOKE DETECTOR - DUCT MOUNT
SS	SINGLE STATION SMOKE DETECTOR - DUCT MOUNT (120-VOLT OPERATION WITH TRANSFORMER, AUXILIARY CONTACTS, REMOTE LED, AND AUDIBLE ALARM DEVICE)
SD	SMOKE DAMPER WITH SMOKE DETECTOR. PROVIDE STATIC DETECTOR UNLESS SUB-LETTER 'D' IS SHOWN INDICATING A DYNAMIC DETECTOR. (SEE "FIRE ALARM NOTES' ON THIS SHEET FOR COORDINATION OF WORK WITH OTHER TRADES).
FSD	COMBINATION FIRE / SMOKE DAMPER WITH SMOKE DETECTOR. PROVIDE STATIC DETECTOR UNLESS SUB-LETTER 'D' IS SHOWN INDICATING A DYNAMIC DETECTOR. (SEE "FIRE ALARM NOTES" ON THIS SHEET FOR COORDINATION OF WORK WITH OTHER TRADES).

FIRE ALARM NOTIFICATION APPLIANCES

F$_\#$	FIRE ALARM VISUAL NOTIFICATION DEVICE - CEILING MOUNT. ("#" INDICATES CANDELA RATING. 95 CD IF OMITTED). COLOR: WHITE
F$_\#$	FIRE ALARM VISUAL NOTIFICATION DEVICE - WALL MOUNT. ("#" INDICATES CANDELA RATING. 95 CD IF OMITTED). COLOR: WHITE
F$_\#$	FIRE ALARM AUDIBLE NOTIFICATION DEVICE - WALL MOUNT. ("VW" INDICATES WATTAGE TAP, 0.5W IF OMITTED). COLOR: WHITE
F$_\#$	FIRE ALARM AUDIBLE / VISUAL NOTIFICATION DEVICE - CEILING MOUNT. ("#" INDICATES CANDELA RATING. 95 CD IF OMITTED). ("VW" INDICATES WATTAGE TAP, 0.5W IF OMITTED). COLOR: WHITE
F$_\#$	FIRE ALARM AUDIBLE / VISUAL NOTIFICATION DEVICE - WALL MOUNT. ("#" INDICATES CANDELA RATING. 95 CD IF OMITTED). ("VW" INDICATES WATTAGE TAP, 0.5W IF OMITTED). COLOR: WHITE

FIRE ALARM INTERFACE AND SUPERVISORY DEVICES

AIM	ADDRESSABLE INPUT MODULE
AOM	ADDRESSABLE OUTPUT MODULE
AIO$_\#$	ADDRESSABLE INPUT/OUTPUT MODULE ("#" INDICATES TOTAL NUMBER OF INPUTS AND OUTPUTS, 2 IF OMITTED)
FS	WATER FLOW SUPERVISORY SWITCH FOR FIRE SUPPRESSION SYSTEM
TS	VALVE SUPERVISORY (TAMPER) SWITCH FOR FIRE SUPPRESSION SYSTEM
PS	PRESSURE SUPERVISORY SWITCH FOR FIRE SUPPRESSION SYSTEM
ELCR	EMERGENCY LIGHTING CONTROL RELAY WITH FIRE ALARM CONTACT INTERFACE. (PROVIDED BY DIV 26) PROVIDE AOM AT EACH LOCATION.
LTS	EMERGENCY LIGHTING TRANSFER SWITCH WITH FIRE ALARM CONTACT INTERFACE (PROVIDED BY DIV 26). PROVIDE AOM AT EACH LOCATION.
DH$_X$	MAGNETIC DOOR HOLDER ("X" = MOUNTING METHOD, WALL MOUNT IF OMITTED). SEE DETAIL ___ / ES ___. F = FLOOR MOUNT W = WALL MOUNT

EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS

BDA	BI-DIRECTIONAL AMPLIFIER
RAP	RADIO ANNOUNCER AND MONITORING PANEL
RPS	RADIO SYSTEM CHARGER POWER SUPPLY
	CEILING MOUNT INTERIOR ANTENNA.
	WALL MOUNT EXTERIOR BI-DIRECTIONAL ANTENNA
ECAP	ERCES REMOTE ANNUNCIATOR PANEL
ECB	ERCES BATTERY AND CHARGER
ECCU	ERCES REMOTE COVERAGE UNIT

APPLICABLE CODES

PEFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

1. ASME
   a. ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019
2. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA).
3. NATIONAL FIRE CODES
   a. NFPA 1 FIRE CODE - 2021 (FLORIDA EDITION)
   b. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS - 2022
   c. NFPA 70 NATIONAL ELECTRICAL CODE - 2020
   d. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING GUIDE - 2019
   e. NFPA 75 STANDARD FOR THE FIRE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT - 2020
   f. NFPA 101 LIFE SAFETY CODE - 2021 (FLORIDA EDITION)
   g. NFPA 110 STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS - 2022
   h. NFPA 1225 STANDARD FOR EMERGENCY SERVICES COMMUNICATIONS - 2022
4. FLORIDA BUILDING CODE, 2023 EDITION
   a. BUILDING CODE
   b. ENERGY CONSERVATION CODE
   c. MECHANICAL CODE
   d. PLUMBING CODE
   e. FUEL GAS CODE
   f. ACCESSIBILITY CODE
5. FLORIDA STATUTES
   a. CHAPTER 471 ENGINEERING
   b. CHAPTER 533.80 BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE ENFORCEMENT
6. ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS (ADAAG)

SYSTEM LAYOUT DOCUMENT REQUIREMENTS (ABOVE MINIMUM THRESHOLD)

1. THESE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS ARE INTENDED TO BE COMPLIANT WITH RULE 61G15-32.008, FLORIDA ADMINISTRATIVE CODE, AND REPRESENT THE DESIGN INTENT FOR THE FIRE ALARM SYSTEM.
   a. THE SCOPE OF THE PROJECT IS ABOVE THE THRESHOLD REQUIREMENTS FOR MANDATORY USE OF PROFESSIONAL ENGINEERING SERVICES, AS DEFINED IN FLORIDA BUILDING CODE 105.3.1.2, THEREFORE, THESE DOCUMENTS COMPLY WITH THE REQUIREMENTS OF RULE 61G15-32.008(4) "A" THROUGH "D", F.A.C.
   b. THE FIRE ALARM SYSTEM CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING APPROVED BY THE APPLICABLE NFPA CODES AND BY THE AUTHORITY HAVING JURISDICTION.
2. ENGAGE EITHER A LICENSED CONTRACTOR OR A QUALIFIED PROFESSIONAL ENGINEER TO PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS (AS DEFINED BY 61G15-32.002, F.A.C.) FOR THE FIRE ALARM SYSTEMS BASED UPON THE ENGINEERING DIRECTION (PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA) PROVIDED IN THE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS.
   a. IF PREPARED BY A LICENSED CONTRACTOR, THESE DOCUMENTS DO NOT REQUIRE THE SEAL OF A LICENSED ENGINEER.
   b. IF PREPARED BY A LICENSED ENGINEER, THESE DOCUMENTS ARE ENGINEERING DOCUMENTS AND THEREFORE REQUIRE SEALING BY A LICENSED ENGINEER.
3. PRIOR TO INSTALLATION, THE FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS, INCLUDING DESIGN CALCULATIONS, SUBMITTED TO THE ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION, INCLUDING THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO:
   a. FIRE ALARM SYSTEM WORKING PLANS, INCLUDING FIRE ALARM SYSTEM LAYOUT, DEVICE IDENTIFICATION, AND MOUNTING HEIGHT ELEVATIONS.
   b. FIRE ALARM SYSTEM RISER DIAGRAM.
   c. SEQUENCE OF OPERATION IN AN INPUT/OUTPUT MATRIX FORM OR NARRATIVE.
   d. BATTERY CAPACITY AND DE-RATING CALCULATIONS.
   e. VOLTAGE DROP CALCULATIONS FOR NOTIFICATION APPLIANCE CIRCUITS.
   f. LINE RESISTANCE CALCULATIONS.
   g. DESIGN CALCULATIONS FOR SELECTING THE SPACING AND SENSITIVITY OF DETECTION DEVICES.
   h. DESIGN CALCULATIONS FOR SELECTING THE SPACING AND AUDIBLE/VISIBLE CHARACTERISTICS OF NOTIFICATION APPLIANCES.
   i. PRODUCT DATA WITH SPECIFIC SYSTEM COMPONENTS IDENTIFIED.
   j. ANY ADDITIONAL INFORMATION REQUIRED TO COMPLY WITH CHAPTER 7 "DOCUMENTATION" IN NFPA 72.
4. SIZE BATTERIES TO PROVIDE A MINIMUM MARGIN OF SAFETY OF 20% ABOVE THE CALCULATED AMP-HOUR CAPACITY REQUIRED.
5. LAYOUT DRAWINGS CONTAINING MATERIAL DEVIATIONS (AS DEFINED BY 61G15-32.002, F.A.C.) SHALL BE ACCOMPANIED BY SEALED, SIGNED, AND DATED ENGINEERING DOCUMENTS.

EMERGENCY RADIO COMMUNICATIONS ENHANCEMENT SYSTEM (ERCES)

1. MINIMUM RADIO SIGNAL STRENGTH FOR FIRE DEPARTMENT COMMUNICATIONS SHALL BE MAINTAINED AT A LEVEL DETERMINED BY THE AUTHORITY HAVING JURISDICTION (AHJ), IN ACCORDANCE WITH NFPA 1 §11.10 AND NFPA §24.5.2.
2. PROPER COVERAGE FOR TWO-WAY, IN BUILDING RADIO COMMUNICATIONS SHALL BE TESTED AND DOCUMENTED IN ACCORDANCE WITH NFPA 72. THE OWNER WILL ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM THE TESTS AND INSPECTIONS IN ACCORDANCE WITH NFPA 72.
   A. VERIFY THAT RADIO COVERAGE IS PROVIDED THROUGHOUT THE BUILDING (AS A PERCENTAGE OF FLOOR AREA) FOR 99% OF CRITICAL SPACES AND 90% OF GENERAL BUILDING AREAS.
   B. VERIFY THE INBOUND AND OUTBOUND STRENGTHS IN THE COVERAGE AREAS ACHIEVE MINIMUM SIGNAL STRENGTHS OF -95 DBM, RESPECTIVELY.
3. COORDINATE AND VERIFY THE REQUIRED TRANSMISSION FREQUENCIES AS REQUIRED BY THE PUBLIC SAFETY AGENCY THROUGH THE AHJ. THE TESTING AGENCY SHALL CERTIFY THAT THE FREQUENCIES USED HAVE BEEN COORDINATED WITH THE FEDERAL COMMUNICATIONS COMMISSION (FCC) AND TESTED TO ENSURE AGAINST MUTUAL INTERFERENCE WITH ALL OTHER PUBLIC SAFETY CHANNELS LICENSED BY THE FCC.
4. DELEGATED-DESIGN SUBMITTAL: FOR ENHANCED RADIO COMMUNICATION SYSTEMS TO COMPLY WITH RADIO COMMUNICATIONS PERFORMANCE REQUIREMENTS. PROVIDE DELEGATED ENGINEERING DOCUMENTS, SIGNED AND SEALED BY A QUALIFIED LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION, TO THE ENGINEER OF RECORD AND AHJ.
   A. COMPLY WITH THE REQUIREMENTS OF NFPA 72 §24.5.2 (2013 EDITION) AND NFPA 1221 §9.6 (2016 EDITION).
   B. DELEGATED ENGINEERING DOCUMENTS SHALL INCLUDE THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO: TWO-WAY RADIO SYSTEM WORKING PLANS AND CALCULATIONS INCLUDING SYSTEM LAYOUT, IN-BUILDING ANTENNA LAYOUT, DIRECTIONAL COUPLERS, SPLITTERS, CABLING, DIPLEXERS, IN-BUILDING AMPLIFIERS, ROOF ANTENNAE, BATTERY BACKUP, GROUNDING AND BONDING, AND SYSTEM SPECIFICATIONS.

GENERAL NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH ALL CODES, ORDINANCES, RULES, AND REGULATIONS OF THE AUTHORITY HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS.
3. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH.
4. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
5. THE CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
6. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES.
7. WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
8. ERECT AND MAINTAIN REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
9. COORDINATE AND SEQUENCE DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
10. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
11. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EQUIPMENT AND MATERIALS.
12. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
13. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION.
14. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
15. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
16. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
17. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
18. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
19. CONTRACTOR S

FIRE ALARM GENERAL NOTES

1. PROVIDE AUDIBLE NOTIFICATON FOR ALL REGULARLY OCCUPIED SPACES IN ACCORDANCE WITH "AUDIBLE NOTIFICATION REQUIREMENTS", "SPEECH INTELLIGIBILITY REQUIREMENTS", AND "SYSTEM LAYOUT DOCUMENT REQUIREMENTS" SECTIONS ON SHEET FA0.1
2. VISIBLE APPLIANCE CANDELA RATINGS SHALL BE SELECTED BASED ON NFPA 72 AND APPLICABLE WALL OR CEILING MOUNT SPACING TABLES SHOWN ON SHEET FA0.1. APPLIANCES LOCATED WITHIN 15 FEET OF CORRIDOR ENDS MAY BE PROVIDED AT 15cd PER NFPA 72 EXTERIOR APPLIANCES FOR FIRE DEPARTMENT ENTRANCE IDENTIFICATION SHALL BE MINIMUM 110cd. SLEEPING ROOM APPLIANCES SHALL HAVE A 177cd RATING. WALL MOUNT APPLIANCES SHALL BE MOUNTED WITH CENTER OF LENS AT 7'4" AFF OR WITHIN 6" OF CEILING WHERE THE CEILING IS 7'-10" OR LOWER.
3. WHERE VISUAL ONLY NOTIFICATION DEVICES ARE INDICATED, CONTRACTOR MAY SUBSTITUTE AUDIBLE/VISUAL NOTIFICATION DEVICES INSTEAD TO MEET BOTH AUDIBLE AND VISUAL NOTIFCATION REQUIREMENTS IN ACCORDANCE WITH LAYOUT DOCUMENTS AND CALCULATIONS. VISUAL APPLIANCES ARE INDICATED FOR VISUAL NOTIFICATION INTENT ONLY. CONTRACTOR SHALL PROVIDE ADDITIONAL SPEAKERS AS NECESSARY TO SATISFY AUDIBLE AND SPEECH INTELLIGIBILITY REQUIRMENTS.
4. PROVIDE CEILING MOUNTED DEVICES IN ALL SPACES WITH FINISHED CEILINGS, UNLESS NOTED OTHERWISE. PROVIDE WALL MOUNTED DEVICES IN SPACES WITH NO CEILING. COORDINATE DEVICES WITH OTHER DEVICES ON CEILINGS AND WALLS.
5. THIS PROJECT REQUIRES A VOICE AND MASS NOTIFICATION SYSTEM THAT WHEN ACTIVE, SHALL AS A MINIMUM, PROVIDE AN ELECTRONIC INTELLIGIBLE VOICE TRANSMISSION IN ALL PUBLIC AREAS, WITH THE EXCEPTION OF SPACES SUCH AS PRIVATE BATHROOMS AND SIMILAR ROOMS/AREAS; MECHANICAL AND ELECTRICAL ROOMS, STORAGE ROOMS, AND SIMILAR ROOMS/AREAS; AND INDIVIDUAL OFFICES, KITCHENS, AND ROOMS/AREAS WHERE INTELLIGIBILITY CANNOT BE REASONABLY PREDICTED. THE VOICE TRANSMISSION MUST MEET THE REQUIREMENTS FOR SIGNAL VOICE INTELLIGIBILITY AS DEFINED BY NFPA 72, ANNEX D. ALL EXEMPTED SPACES SHOWN ON THE PLANS WITH SPEAKERS SHALL BE PROVIDED WITH AN ELECTRONIC AUDIBLE VOICE TRNASMISSION. ALL PARTS OF THE BUILDING INTENDED TO HAVE OCCUPANT NOTIFICATION SHALL BE SUBDIVIDED INTO ACOUSTICALLY DISTINGUISABLE SPACES (ADSS) OR EMERGENCY COMMUNICATIONS SYSTEM ZONES AS DEFINED BY NFPA 72. INCLUDE DRAWINGS INDICATING THE ADSS. EASH ADS MUST BE IDENTIFIED AS EITHER REQUIRING INTELLIGIBILITY OR NOT REQUIRING INTELLIGIBILITY.
6. ERCES DEVICES ARE SHOWN FOR INFORMATION ONLY AND TO INDICATE INTENT. ERCES IS TO BE PROVIDED BY FIRE ALARM CONTRACTOR AS DELEGATED DESIGN.

KEYNOTES

1. MAIN FIRE ALARM CONTROL PANEL. PROVIDE NETWORK CONTROLLER IN FACP WITH SMF LC TRANSCEIVER. SEE TELECOMMUNICATIONS DRAWINGS FOR BACKBONE CONNECTION.
2. FIRE ALARM REMOTE ANNUNCIATOR PANEL.
3. NOT USED
4. ADDRESSABLE MODULES FOR MONITORING ERCES.
5. ADDRESSABLE MODULE FOR INTERFACE WITH ACCESS CONTROL SYSTEM - SEE SECURITY PLANS FOR MORE INFORMATION.
6. ADDRESSABLE MODULES FOR INTERFACE WITH ELEVATOR CONTROLLER - COORDINATE WITH ELEVATOR EQUIPMENT SUPPLIER.
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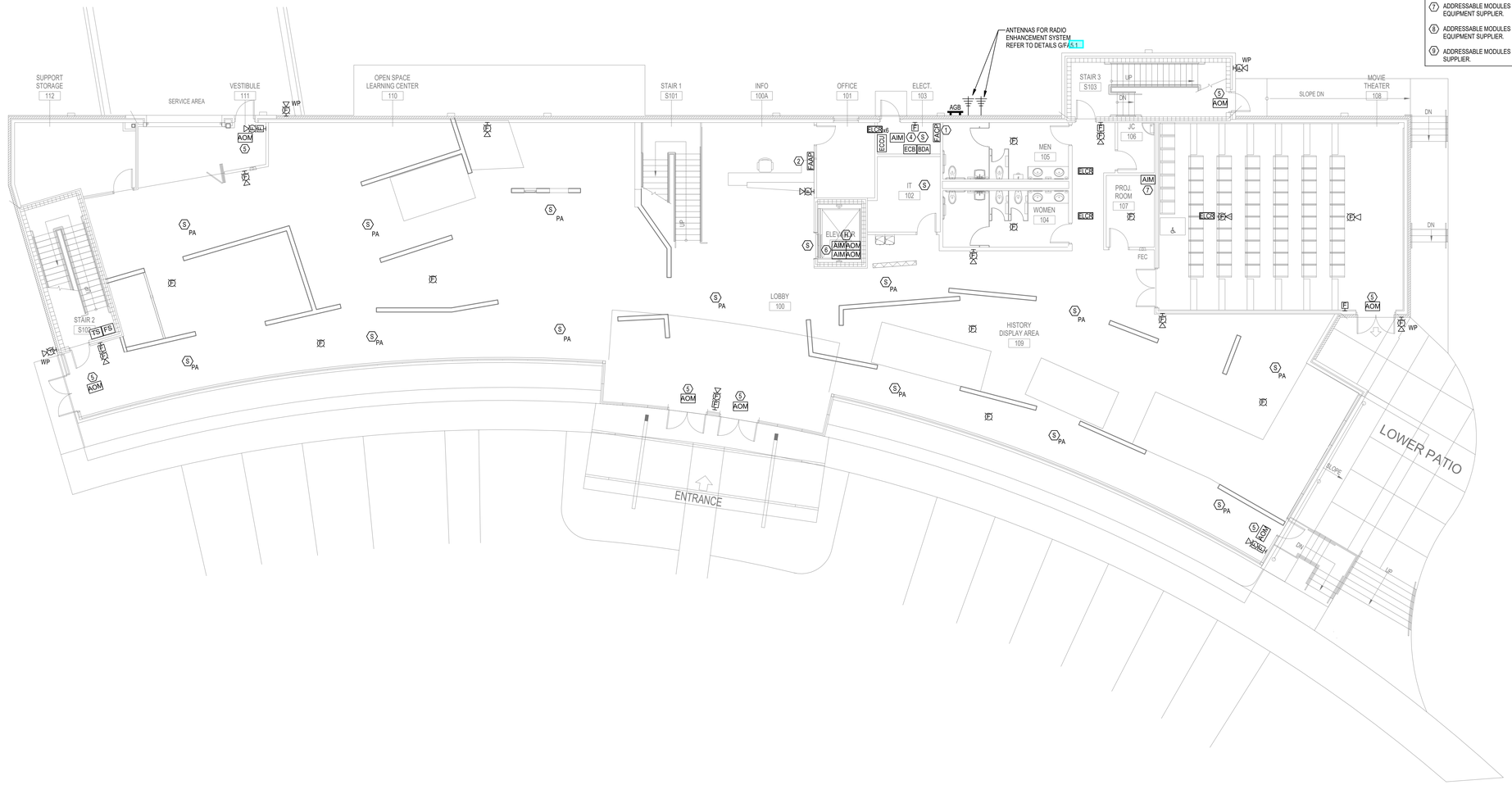

North 1 FIRST FLOOR PLAN
1/8" = 1'-0"

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H2E PROJECT No: 24179

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Florida Registry #5485
Trey Gossett, P.E. #74534

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MAHAN DRIVE
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CRA ARCHITECTS

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 1ST FLOOR PLAN

FA1.1

Autodesk Docs://24-179 Florida Sheriffs Association - Learning Center/24-179 Florida Sheriffs Association - Learning Center_MEP Central_R24.rvt
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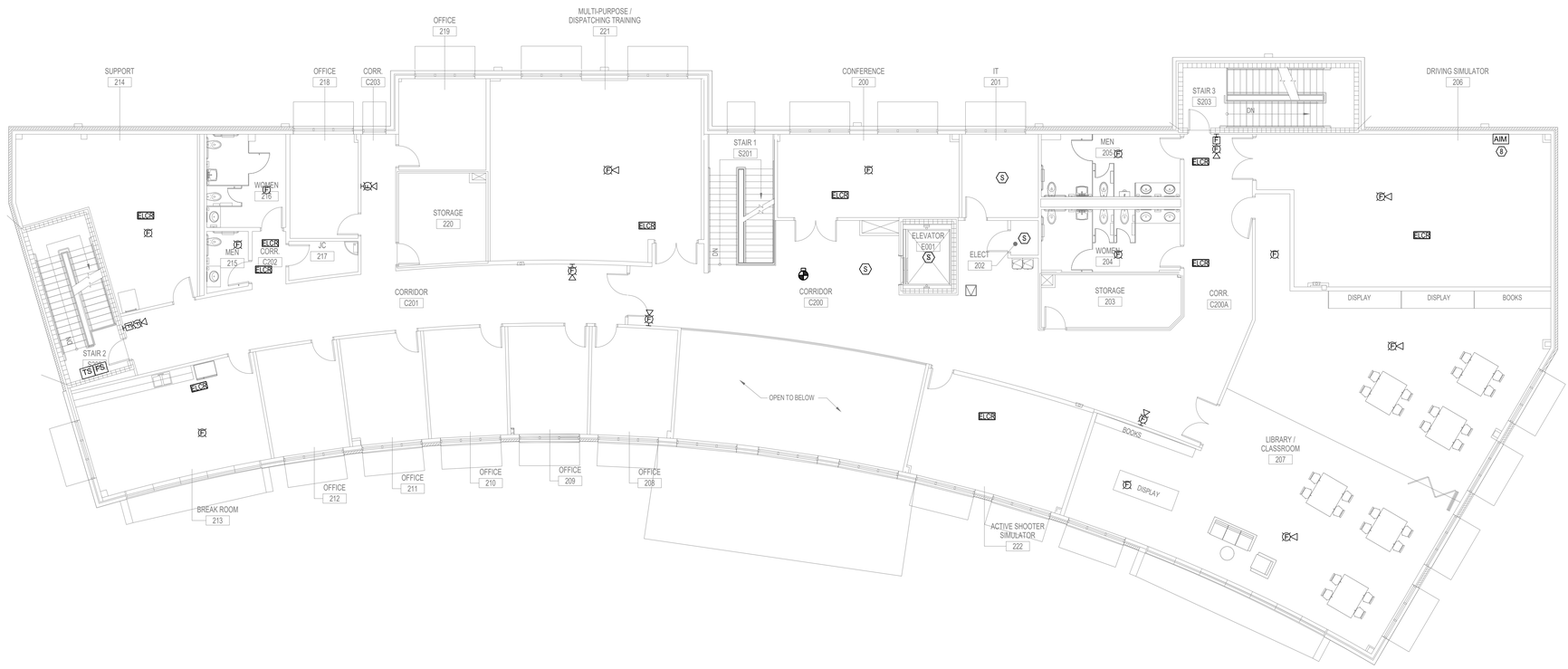

North 1 SECOND FLOOR PLAN

1/8" = 1'-0"

FIRE ALARM GENERAL NOTES

1. PROVIDE AUDIBLE NOTIFICATON FOR ALL REGULARLY OCCUPIED SPACES IN ACCORDRANCE WITH "AUDIBLE NOTIFICATION REQUIREMENTS", "SPEECH INTELLIGIBILITY REQUIREMENTS", AND "SYSTEM LAYOUT DOCUMENT REQUIREMENTS" SECTIONS ON SHEET FA0.1
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KEYNOTES

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50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE

YOUTH LEARNING CENTER - 2ND FLOOR PLAN

FA1.2

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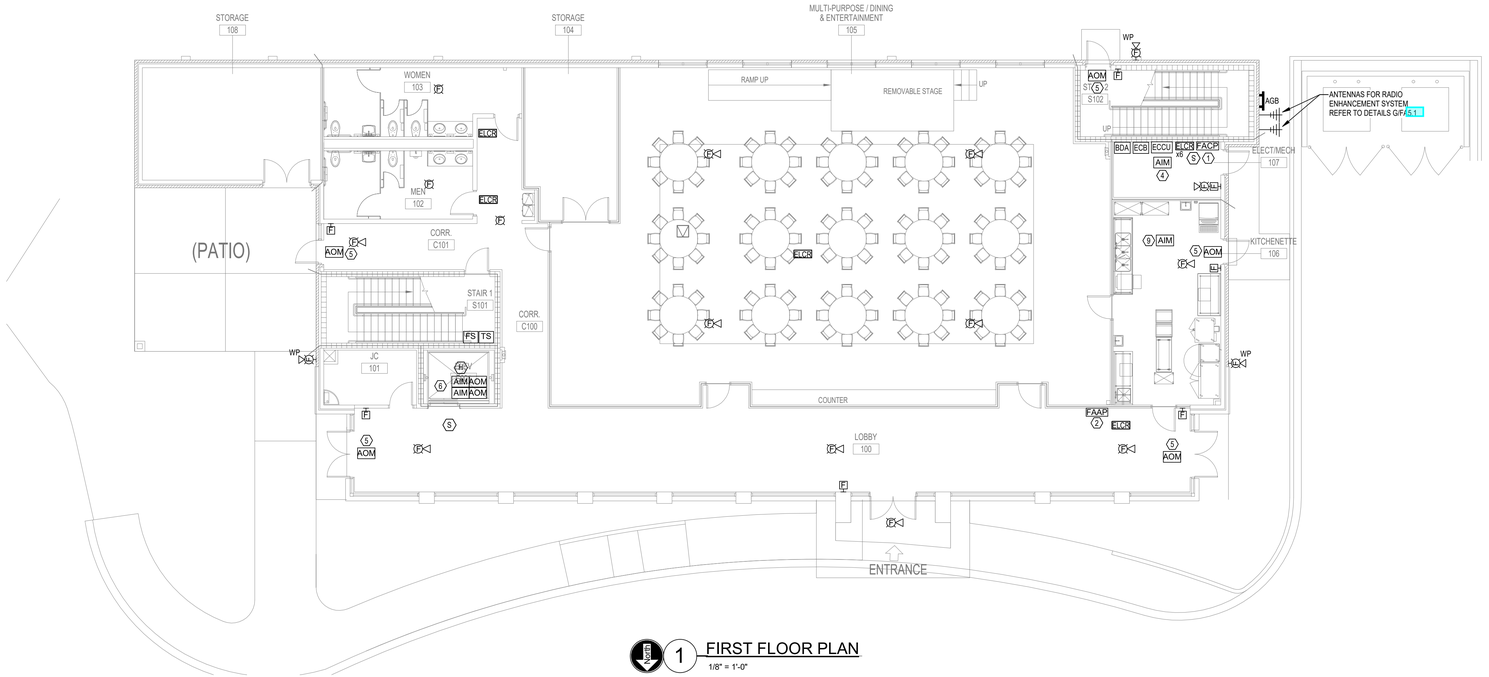
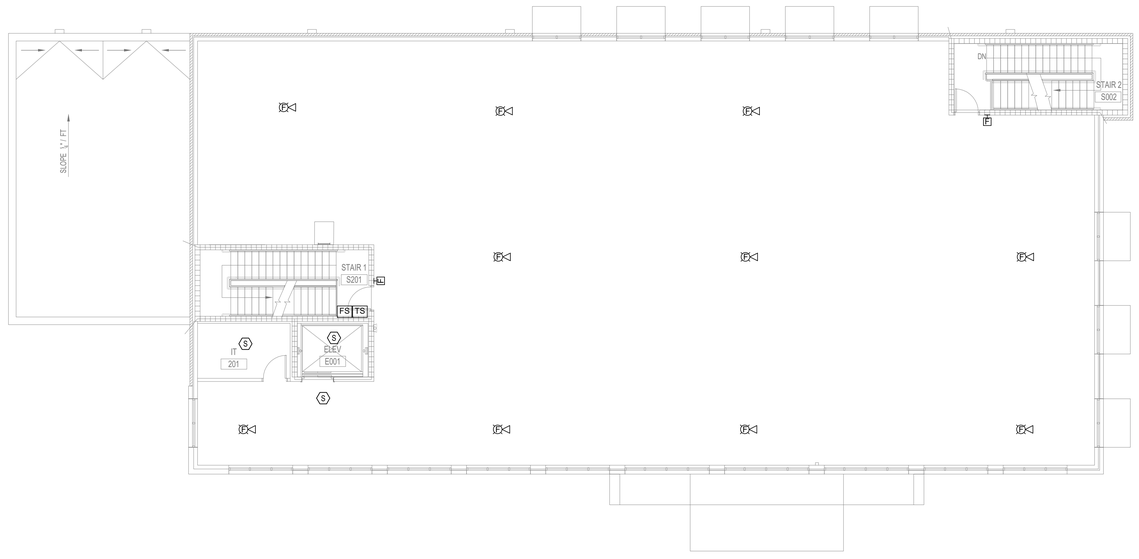


1 FIRST FLOOR PLAN
1/8" = 1'-0"



2 SECOND FLOOR PLAN
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DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
BLACKBURN-HUNT BUILDING

FA1.3

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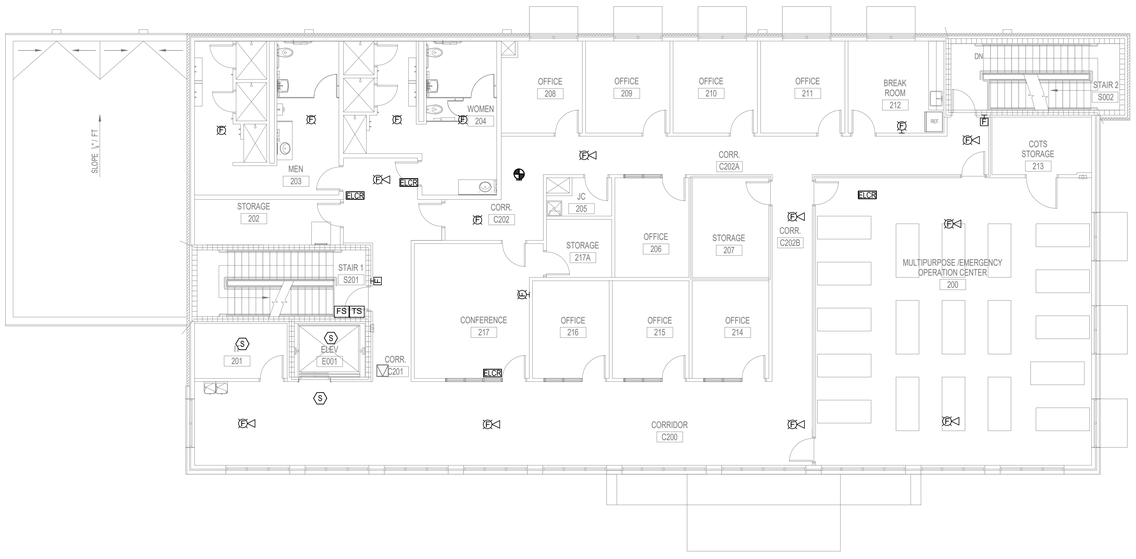

1 SECOND FLOOR PLAN - ADD ALTERNATE

1/8" = 1'-0"

FIRE ALARM GENERAL NOTES

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100% CD	07-18-25	BJM	THG

Revision

#	Description	Date

CRA Project # 24029

Phase: **CONSTRUCTION DOCUMENTS**

SHEET TITLE

BLACKBURN-HUNT BUILDING - 2ND FLOOR ADD ALT.

FA1.3A

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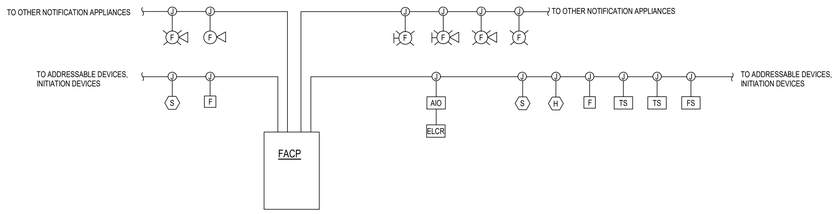
FIRE ALARM INPUT / OUTPUT MATRIX

SYSTEM INPUTS OR EVENTS	SYSTEM OUTPUTS OR RESPONSE	CONTROL UNIT ANNUNCIATION: ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	NOTIFICATION: ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATOR AUDIBLE COMMON TROUBLE SIGNAL	ACTUATE APPROPRIATE LOCATION INDICATOR	ACTUATE ALL AUDIBLE EVACUATION SIGNALS	DISPLAY / PRINT CHANGE OF STATUS	TRANSMIT ALARM SIGNAL TO SUPERVISORY STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISORY STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISORY STATION	DEACTIVATE AUDIBLE NOTIFICATION APPLIANCES	UNLOCK SECURED EXITS	ACTUATE EGRESS LIGHTING	COMMENTS	
		A	B	C	D	E	F	G	H	I	J	K	L	M	O	P		
MANUAL PULL STATIONS	1	X	X					X	X	X	X				X	X		1
SMOKE DETECTORS: AREA	2	X	X					X	X	X	X				X	X		2
SMOKE DETECTORS: SERVER ROOM	3	X	X					X		X	X				X	X		3
HEAT DETECTORS: ALL LOCATIONS	5	X	X					X		X	X				X	X		5
SMOKE DETECTORS: IN-DUCT @ SMOKE DAMPERS	6	X	X					X		X	X				X	X	INTERRUPT 120-V FOR DAMPER CLOSURE	6
HEAT DETECTORS: ELEVATOR SHAFT	8	X	X					X		X	X				X	X		8
WATER FLOW SWITCHES	6	X	X					X		X	X				X	X	ANNUNCIATE INDIVIDUAL ZONES	6
TAMPER SWITCHES	7			X	X			X		X		X						7
ELEVATOR SHUNT TRIP - POWER SUPERVISION	11			X	X					X		X						11
FIRE ALARM SYSTEM: LOSS OF A.C. POWER	8					X	X			X			X					8
FIRE ALARM SYSTEM: LOW BATTERY	9					X	X			X			X					9
OPEN CIRCUIT	10					X	X			X			X					10
GROUND FAULT	11					X	X			X			X					11
NOTIFICATION APPLIANCE CIRCUIT - WIRE TO WIRE SHORT	12					X	X			X			X					12
SIGNALING LINE CIRCUIT - WIRE TO WIRE SHORT	13					X	X			X			X					13
ALARM SILENCE	14													X				14
		A	B	C	D	E	F	G	H	I	J	K	L	M	O	P		

FIRE ALARM NOTES

1. ALL FIRE ALARM JUNCTION BOX COVERS SHALL BE PAINTED RED.
2. ALL SPLICES SHALL BE MADE WITH CRIMP CONNECTORS. NO WIRE NUTS SHALL BE USED.
3. ALL MAIN JUNCTION BOXES AND TERMINAL CABINETS SHALL BE PROVIDED WITH TERMINAL BLOCKS.
4. PROVIDE REMOTE TEST & ALARM INDICATORS FOR AHU DUCT DETECTORS LOCATED IN AREAS NOT READILY VISIBLE & ACCESSIBLE ABOVE CEILINGS, OR AS INDICATED ON THE DRAWINGS.
5. ALL INITIATING DEVICES WITH SCREW TERMINALS SHALL BE CONNECTED TO THE WIRING SYSTEM WITH SPADE TERMINALS.
6. CONDUIT SHALL BE 3/4" UNLESS NOTED OTHERWISE.
7. FIRE ALARM SYSTEM SHALL MONITOR ALL FLOW AND TAMPER SWITCHES, BACK FLOW PREVENTER AND PIV ASSOCIATED WITH FIRE SPRINKLER SYSTEM. REFER TO THE SPRINKLER DRAWINGS FOR QUANTITY.
8. THIS RISER DIAGRAM SHOWS TYPICAL DEVICES DIAGRAMMATICALLY ONLY AND IS NOT INTENDED TO BE USED AS A WIRING DIAGRAM. IT DOES NOT SHOW EVERY DEVICE, REFER TO THE FLOOR PLANS FOR DEVICES AND LOCATIONS.
9. PROVIDE A HINGED, CLEAR PLASTIC SHIELD FOR EACH PULL STATION. LIFTING SHIELD SHALL INITIATE LOCAL AUDIBLE ALARM.
10. PROVIDE PROTECTION FOR FIRE ALARM DEVICES SUBJECT TO PHYSICAL DAMAGE. LOCATIONS INCLUDE MECHANICAL ROOMS, ELECTRICAL ROOMS, EQUIPMENT ROOMS AND STORAGE ROOMS.
11. THE CONSTRUCTOR SHALL CERTIFY AND TAG THE SYSTEM AFTER ALL MODIFICATIONS ARE MADE AND PRIOR TO SUBSTANTIAL COMPLETION.
12. EXTERIOR DEVICES SHALL BE WEATHERPROOF.

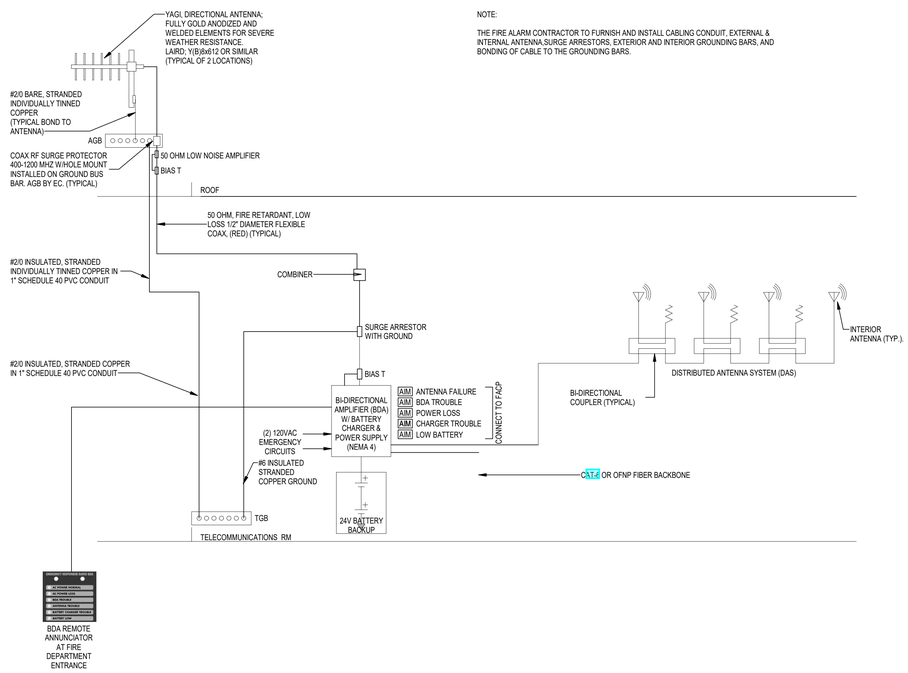


FIRE ALARM RISER DIAGRAM

SCALE : NONE

NOTE:

THE FIRE ALARM CONTRACTOR TO FURNISH AND INSTALL CABLING CONDUIT, EXTERNAL & INTERNAL ANTENNA SURGE ARRESTORS, EXTERIOR AND INTERIOR GROUNDING BARS, AND BONDING OF CABLE TO THE GROUNDING BARS.



IN-BUILDING, EMERGENCY RADIO COMMUNICATIONS ENHANCEMENT SYSTEM (ERCES)

SCALE: NONE

ERCES SYSTEM LAYOUT DOCUMENT REQUIREMENT

1. THESE TWO WAY COMMUNICATION SYSTEM ENGINEERING DOCUMENTS ARE INTENDED TO BE COMPLIANT WITH RULE 69A-60, FLORIDA ADMINISTRATIVE CODE, AND REPRESENT THE DESIGN INTENT FOR THE ERCES SYSTEM.
2. ALL SYSTEM DESIGNS, INSTALLATION, TESTING, AND MAINTENANCE SHOULD BE CONDUCTED, DOCUMENTED, AND SIGNED BY AN ACCEPTABLE MANUFACTURER OR PERSON IN POSSESSION OF A CURRENT RADIO LICENSING AUTHORITY LICENSE, INDUSTRY CERTIFICATION, AND PROFESSIONAL ELECTRICAL ENGINEERING LICENSE.
   a. IF PREPARED BY A LICENSED CONTRACTOR, THESE DOCUMENTS DO NOT REQUIRE THE SEAL OF A LICENSED ENGINEER.
   b. IF PREPARED BY A LICENSED ENGINEER, THESE DOCUMENTS ARE ENGINEERING DOCUMENTS AND THEREFORE REQUIRE SEALING BY A LICENSED ENGINEER.
3. FIRE ALARM CONTRACTOR TO PROVIDE UPS AND BATTERY RUNTIME CALCULATION FOR THE BDA SYSTEM.

GENERAL NOTES

1. ANY INFRASTRUCTURE REQUIRED FOR CONNECTING ERRCS COMPONENTS TO THE FIRE ALARM SYSTEM, INCLUDING BUT NO LIMITED TO LOCAL JUNCTION BOXES AND SUPERVISORY PANELS, TO BE FURNISHED BY THE FIRE ALARM CONTRACTOR.
2. ALL SYSTEM PATHWAYS MUST MEET NFPA 72 SURVIVABILITY RATINGS.
3. SYSTEM HEADEND EQUIPMENT AND UPS TO BE CONNECTED TO A DEDICATED ERRCS STATUS ANNUNCIATOR PANEL. STATUS PANEL SHALL THEN CONNECT TO BUILDING FIRE ALARM SYSTEM. COORDINATE WITH FIRE ALARM CONTRACTOR.
   SYSTEM TO MONITOR:
   SIGNAL BOOSTER (BDA) / ANTENNA TROUBLE/FAILURE
   AC MAINS POWER FAILURE
   UPS SYSTEM / LOW BATTER / OVERLOAD FAILURE.
4. ALL CABLES SHALL BE RUN IN 1 1/2" CONDUIT, UNLESS NOTED OTHERWISE.
5. MINIMUM BEND RADIUS ON ALL CONDUIT IS 6 TIME DIAMETER.
6. ALL PASSIVE DEVICES (SPLITTERS, ETC) IN CEILING OR WALL MOUNTED 12X12X4 JUNCTION BOXES.
7. PROVIDE ANTENNAS AS NECESSARY TO PROVIDE THE REQUIRED COVERAGE. INSTALL IN COMMON AREAS SUCH AS CORRIDORS, LOBBIES, CAFETERIA, ETC. WHERE POSSIBLE.

H2E ENGINEERING
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PHONE 850.224.7922
www.H2Engineering.com

H2E PROJECT No: 24179

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Florida Registry #1492
Trey Gossett, P.E. #74634

FLORIDA SHERIFFS YOUTH LEARNING CENTER AND BLACKBURN-HUNT BUILDING

MAHAN DRIVE
TALLAHASSEE, FL.

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Submittal

Phase	Date	Drw	Chk
DESIGN DEVELOPMENT	02-28-25	BJM	THG
50% CD	04-15-25	BJM	THG
100% CD	07-18-25	BJM	THG

Revision

#	Description	Date

CRA Project # 24029

Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE
RISERS

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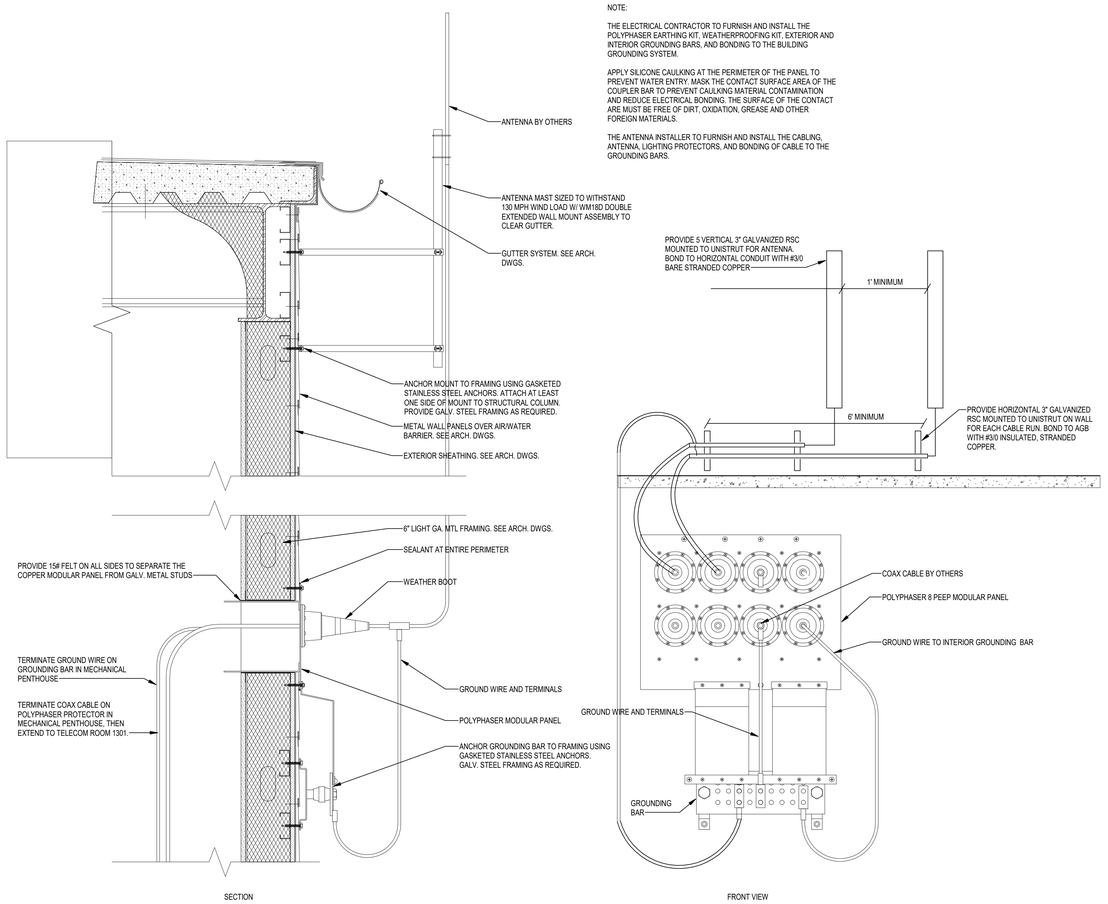
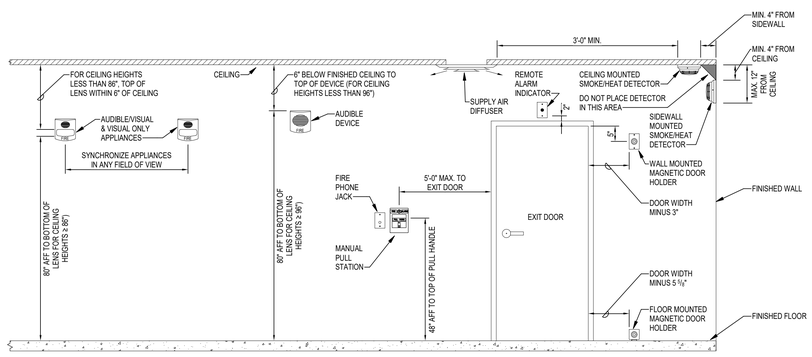
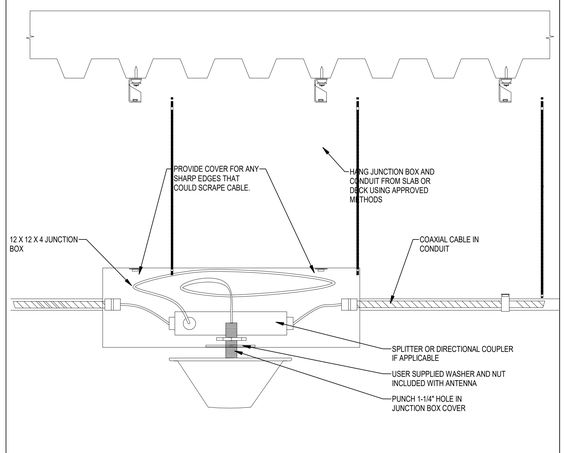


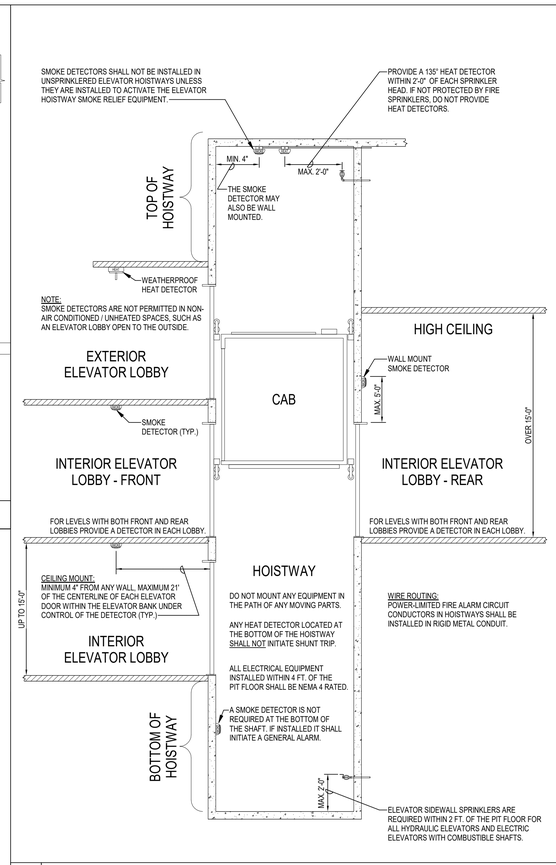
G MODULAR EARTHED ENTRANCE PANEL DETAIL FOR 2-WAY RADIO ANTENNA



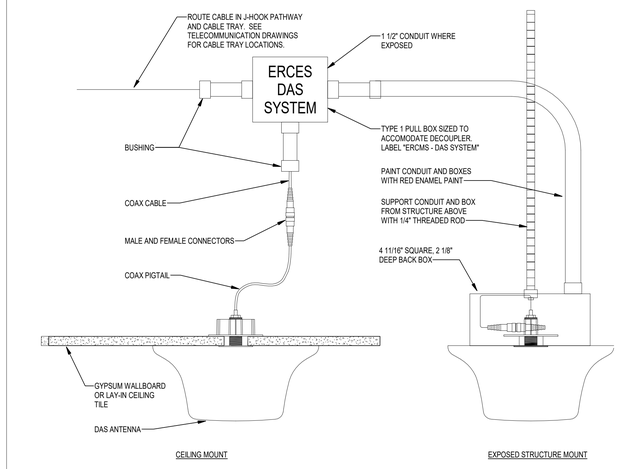
A FIRE ALARM EQUIPMENT MOUNTING HEIGHT



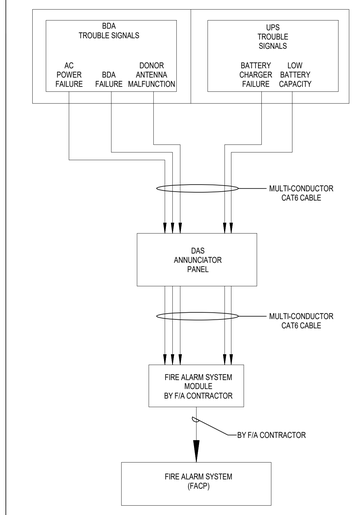
D ANTENNA MOUNTING, ROD-HUNG JUNCTION BOX WITH CONDUIT



B TYPICAL ELEVATOR LOBBY AND HOISTWAY EQUIPMENT PLACEMENT

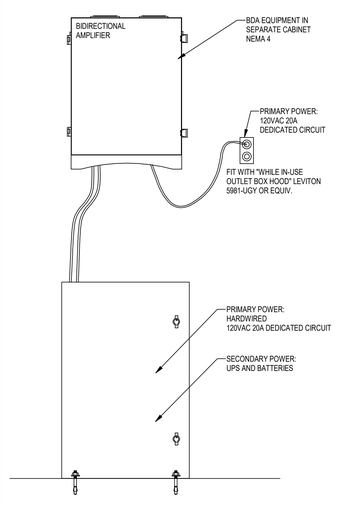


H ERCES DISTRIBUTED ANTENNA SYSTEM - TYPICAL ANTENNA INSTALLATION

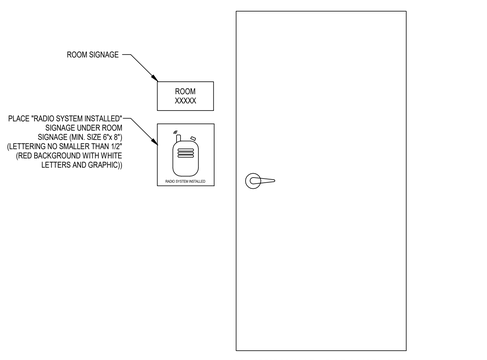


NOTE: COORDINATE FIRE ALARM WIRING WITH FIRE ALARM CONTRACTOR

F INTERCONNECTION WITH FACP



E BDA AND UPS MOUNTING DETAIL



SIGNAGE FOR ROOM WITH HEAD END DAS EQUIPMENT

C ERCES SIGNAGE

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Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE:
DETAILS

FA5.1

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