CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY

FOR:

THE CITY OF MARIANNA

AT:

MARIANNA EDUCATIONAL RECREATIONAL EXPO. (M.E.R.E.)

THRESHOLD PROJECT

AS DEFINED BY THE OCCUPANCY CLASSIFICATION (ASSEMBLY), THE BUILDING AREA (26,989 S.F.) & THE OCCUPANT LOAD (570 PERSONS) THE CONSTRUCTION OF THIS PROJECT WILL REQUIRE THRESHOLD INSPECTIONS TO BE PREFORMED BY A STATE CERTIFIED SPECIAL INSPECTOR (THRESHOLD BUILDING INSPECTOR) HIRED BY THE CITY OF MARIANNA AS AN INDEPENDENT CONTRACTOR. THE THRESHOLD INSPECTION REQUIREMENTS ARE SPECIFIED IN THE STRUCTURAL DRAWINGS INCLUDED IN THESE DOCUMENTS & THE COORDINATION OF THE THRESHOLD INSPECTIONS AS REQUIRED TO ELIMINATE CONSTRUCTION PROGRESS DELAYS WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

PROJECT DIRECTORY

OWNER ■ CITY OF MARIANNA

PROGRAM MANAGER ■ D.H.M./MELVIN ENGINEERING
4428 LAFAYETTE ST. MARIANNA, FLORIDA
(850) 482-3045

ARCHITECT OF RECORD ■ DONOFRO ARCHITECTS
2910 CALEDONIA ST. MARIANNA, FLORIDA
(850) 482-5261

CIVIL ENGINEER ■ D.H.M./MELVIN ENGINEERING
4428 LAFAYETTE ST. MARIANNA, FLORIDA
(850) 482-3045

STRUCTURAL ENGINEER ■ D.H.M./MELVIN ENGINEERING
2541-1 BARRINGTON CIRCLE TALLAHASSEE, FLORIDA
(850) 671-7221

MECHANICAL ENGINEER ■ WATFORD ENGINEERING INC.
4471 CLINTON ST. MARIANNA, FLORIDA
(850) 526-3447

ELECTRICAL ENGINEER ■ HG ENGINEERS
142 EGLIN PRKWY SE SUITE 100. FORT WALTON, FLORIDA
(850) 243-6723

PROJECT INFORMATION

OCCUPANCY CLASSIFICATION—ASSEMBLY GROUP A-4 - GYM W/ SPECTATOR SEATING

CONSTRUCTION TYPE ———— TYPE (II) 2-B

BUILDING SQUARE FOOTAGE — 26,989 S.F.

OCCUPANT LOAD ——— 570 PERSONS (AS EMERGENCY SHELTER)

MIN. # OF EXITS—— MIN. OF (3) - COMPLY

EXIT ACCESS TRAVEL DISTANCE ———NOT TO EXCEED 250' - COMPLY

CORRIDOR FIRE RESISTANCE RATING ———NOT REQUIRED - NOT PROVIDED

AUTOMATIC FIRE PROTECTION —REQUIRED - PROVIDED
SPRINKLER SYSTEM

FIRE ALARM SYSTEM ————REQUIRED - PROVIDED

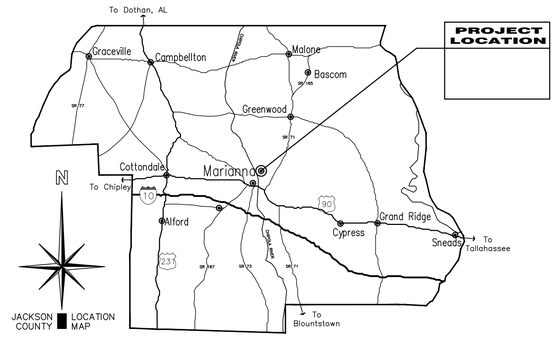
PORTABLE FIRE EXTINGUISHERS——REQUIRED - PROVIDED

PROJECT ABBREVIATIONS

A/C	AIR CONDITIONING
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
CONC	CONCRETE
COND	CONDENSING
CONN	CONNECTION
CONT	CONTINUOUS
CORR	CORRIDOR
DET	DETAIL
DWG	DRAWING
EF	EXHAUST FAN
ELEV	ELEVATION
ELEC	ELECTRICAL
EOR	EDGE OF ROOF
GALV	GALVANIZED
HVAC	HEATING, VENTILATION, & A/C
MTD.	MOUNTED
N.I.C.	NOT IN CONTRACT
RD	ROOF DRAIN
SCHED	SCHEDULE
SHT	SHEET
SIM	SIMILAR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE

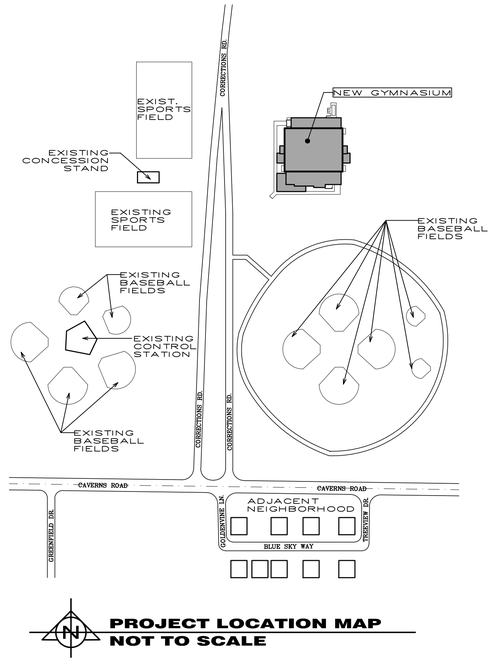
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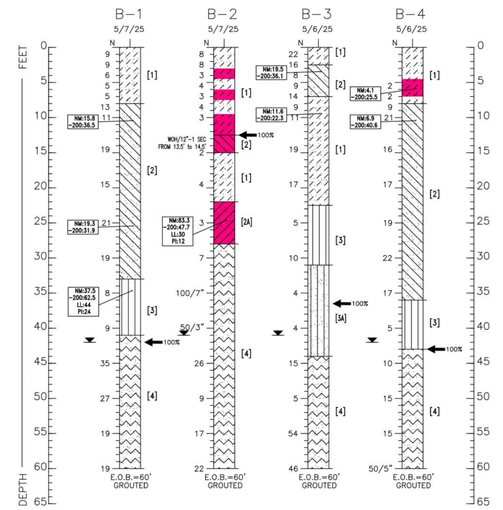
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NOT FOR CONSTRUCTION
SEPTEMBER 4TH, 2025

JOB NUMBER: M-2024-18
DATE: SEPTEMBER 4TH, 2025
CONSTRUCTION SET # _____

DHM MELVIN ENGINEERING

DONOFRO ARCHITECTS ■
2910 CALEDONIA MARIANNA, FLORIDA (850) 482-5261

SOIL BORING PROFILES



SOIL LEGEND

- [1] BROWN TO ORANGISH BROWN SLIGHTLY CLAYEY, SILTY MEDIUM TO FINE SAND (SM-SC; A-2-4)
- [2] BROWN TO ORANGISH BROWN CLAYEY TO VERY CLAYEY MEDIUM TO FINE SAND (SC; A-2-6 TO A-6)
- [2A] ORANGISH BROWN VERY CLAYEY FINE SAND TO SANDY LEAN CLAY (SC-CL; A-6)
- [3] BROWN, TAN & GRAY MOTTLED WITH BLACK SLIGHTLY SANDY LEAN TO FAT CLAY (CL TO CH; A-7)
- [3A] BROWN, TAN & GRAY SLIGHTLY SANDY LEAN TO FAT CLAY WITH LAYER OF TAN LIMESILT & WEATHERED LIMESTONE (CL TO CH; A-7)
- [4] TAN WEATHERED LIMESTONE WITH LAYERS OF LIMESILT

LEGEND

- B — STANDARD PENETRATION TEST (SPT) BORING LOCATION
- EOB — END OF BORING
- VERY LOOSE TO VERY SOFT ZONES (N<4)
- N — STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT (ASTM D-1586)
- GROUNDWATER DEPTH ESTIMATED ON DATE DRILLED
- 50/3" — 50 BLOWS FOR 3 INCHES PENETRATION INTO SOIL
- WOH — SAMPLER ADVANCED BY WEIGHT OF HAMMER AND RODS ONLY
- COMPLETE LOSS OF DRILLING FLUID CIRCULATION
- NM — NATURAL MOISTURE CONTENT IN PERCENT (ASTM D-2216)
- -200 — PERCENT PASSING NO. 200 SIEVE SIZE (PERCENT FINES)(ASTM D-1140)
- LL — LIQUID LIMIT (ASTM D-4318)
- PI — PLASTICITY INDEX (ASTM D-4318)
- SP-SM,SM,SC — UNIFIED SOIL CLASSIFICATION SYSTEM
- A-3,A-2-4 — AASHTO SOIL CLASSIFICATION SYSTEM
- DRILLERS: SMH, DK
- DRILL RIG: CME 55; AUTO-HAMMER

WHILE THE BORINGS ARE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT THEIR RESPECTIVE LOCATIONS, IT IS NOT UNCOMMON FOR SOME VARIATION IN THE CHARACTERISTICS OF THE SUBSURFACE MATERIALS OF THE REGION ARE ANTICIPATED AND MAY BE ENCOUNTERED. THE BORING LOGS AND RELATED INFORMATION ARE BASED ON THE DRILLER'S FIELD AND VISUAL EXAMINATION OF SELECTED SAMPLES IN THE LABORATORY. THE BORING LOGS ARE INTENDED TO BE USED BY DESIGN PROFESSIONALS WHO UNDERSTAND THAT THE DESCRIPTION REPRESENTS OUR INTERPRETATION OF SUBSURFACE CONDITIONS AT THE DESIGNATED BORING LOCATIONS ON THE PARTICULAR DATE DRILLED.
GROUNDWATER ELEVATIONS SHOWN ON THE BORING LOGS REPRESENT GROUNDWATER SUBSURFACE CONDITIONS AT THE TIME AND LOCATIONS WHERE THEY WERE OBSERVED. IT SHOULD BE ANTICIPATED THROUGHOUT THE YEAR, ABSENCE OF WATER SURFACE DATA ON CERTAIN BORINGS IMPLIES THAT NO GROUNDWATER DATA IS AVAILABLE, BUT DOES NOT NECESSARILY MEAN THAT GROUNDWATER WILL NOT BE ENCOUNTERED AT THESE LOCATIONS OR WITHIN THE VERTICAL REACHES OF THESE BORINGS IN THE FUTURE.

ENGINEERING CLASSIFICATION

I COHESIONLESS SOILS

DESCRIPTION	BLOW COUNT "N"
VERY LOOSE	2-29 A
LOOSE	4-10 A, 5-29 B
MEDIUM DENSE	11-30 A, 30-50 B
DENSE	31-50 A, >50 B
VERY DENSE	>50

II COHESIVE SOILS

DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH, Qu, TSF	BLOW COUNT "N"
VERY SOFT	0-0.25	2-3
SOFT	0.25-0.5	4-5
MEDIUM STIFF	0.5-1	6-10
STIFF	1-2	11-20
VERY STIFF	2-4	21-50
HARD	>4	>50

Ardaman & Associates, Inc.
5405 W. Tharpe Street, Tallahassee, FL 32303
(800) 576-8131

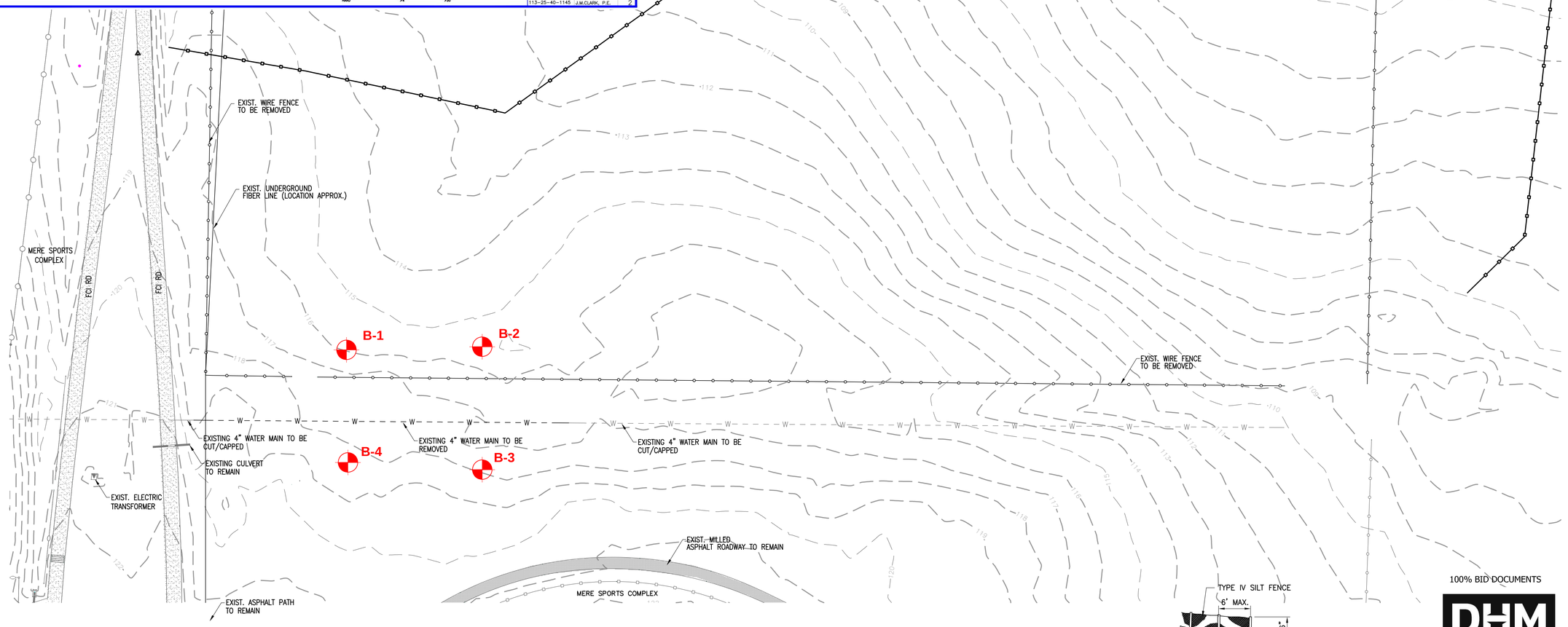
SUBSURFACE SOIL EXPLORATION
MARIANNA MERE GYM,
MARIANNA, JACKSON COUNTY, FLORIDA

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LEGEND

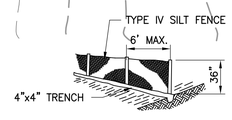
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE
- EXISTING CHAINLINK FENCE
- EXISTING FIELD FENCE
- EXISTING ASPHALT MILLINGS
- 110 — EXISTING CONTOURS
- SILT FENCING

0 50
SCALE



EXISTING CONDITIONS AND DEMOLITION PLAN

1" = 50'



A / C-1.1

SILT FENCE DETAIL

N.T.S.

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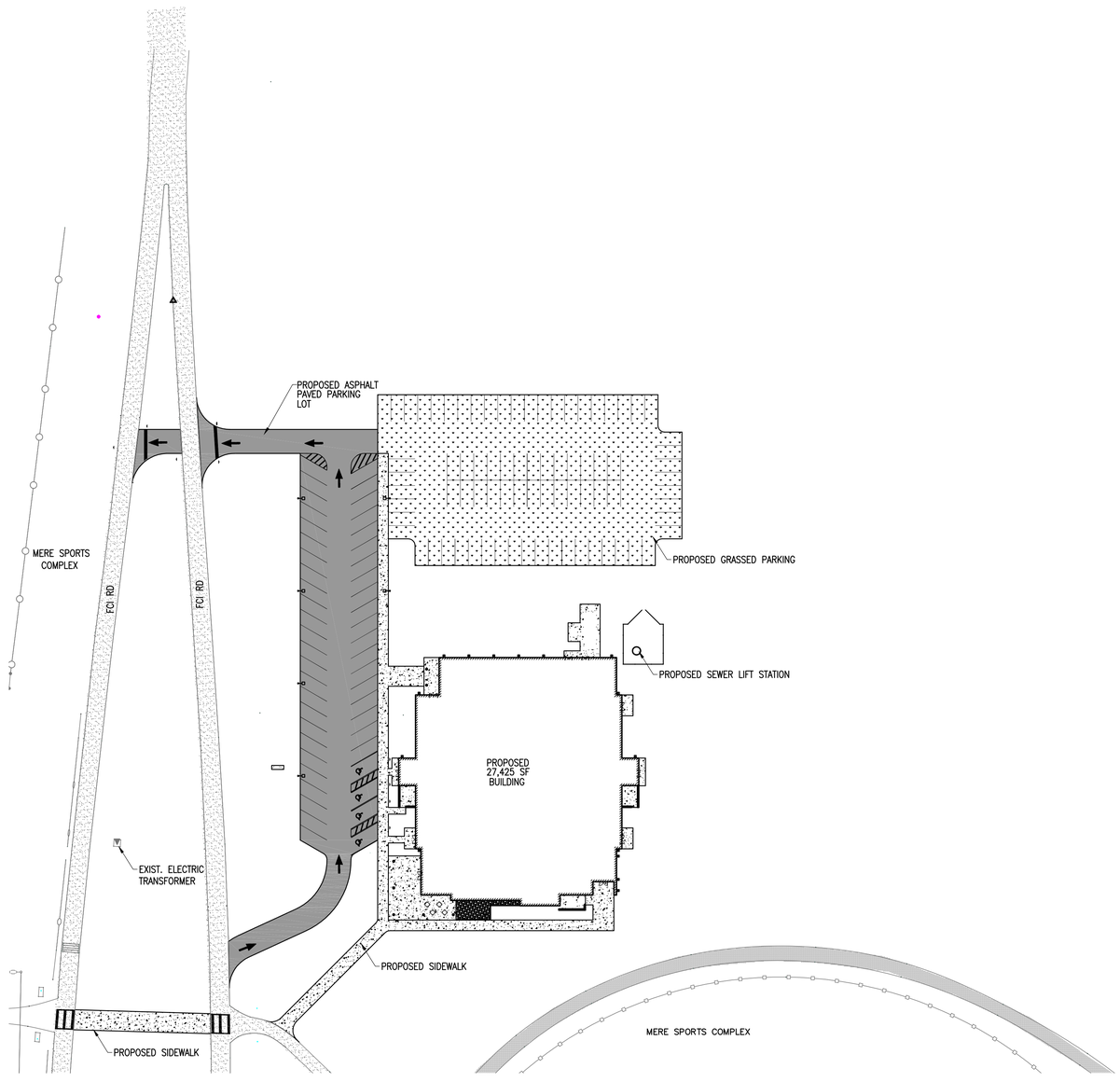
SHEET TITLE: EXISTING CONDITIONS AND DEMOLITION PLAN

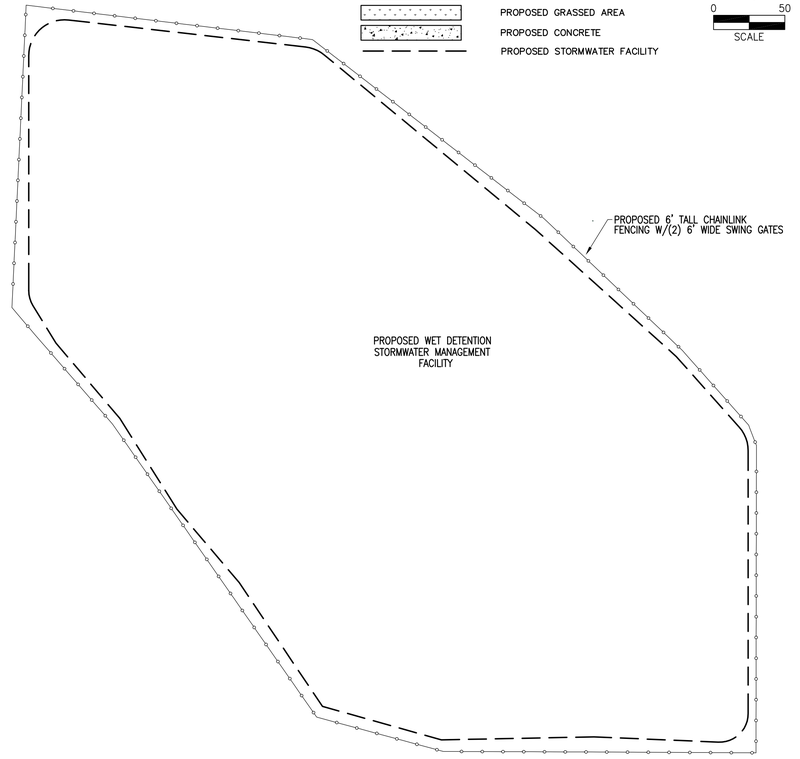
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MARIANNA FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: M.M.F.
CHECKED BY: D.H.M.

SHEET No.
C-1

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LEGEND

- BOUNDARY
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE
- EXISTING CHAINLINK FENCE
- EXISTING FIELD FENCE
- EXISTING ASPHALT MILLINGS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED GRASSED AREA
- PROPOSED CONCRETE
- PROPOSED STORMWATER FACILITY

0 50
SCALE

OVERALL SITE AND DIMENSION PLAN

1" = 50'

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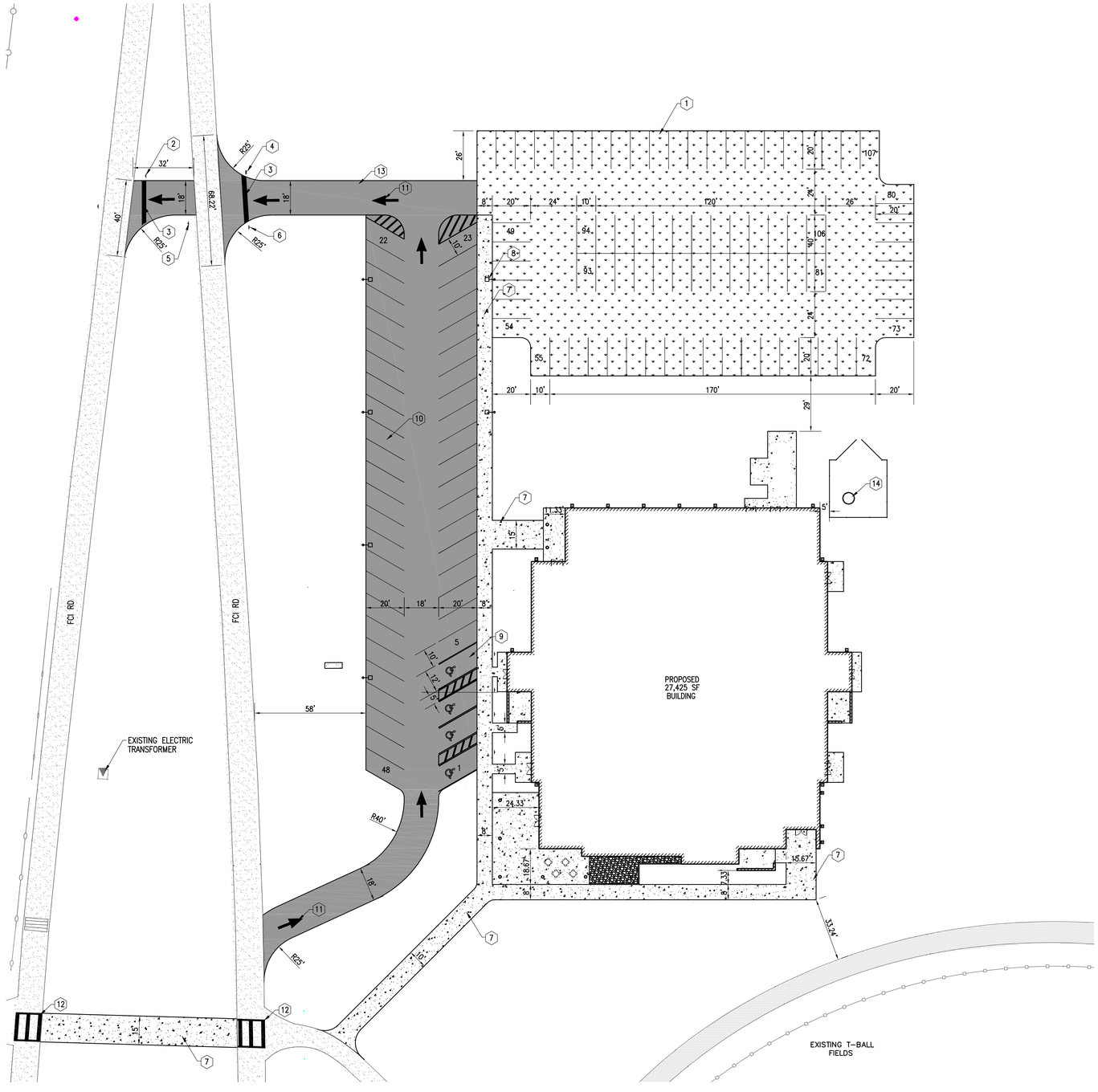
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SHEET TITLE: OVERALL SITE AND DIMENSION PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
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SHEET No.
C-2



SITE AND DIMENSION PLAN

1" = 30'

LEGEND

- BOUNDARY
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE
- EXISTING CHAINLINK FENCE
- EXISTING FIELD FENCE
- EXISTING ASPHALT MILLINGS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED GRASSED AREA
- PROPOSED CONCRETE

0 40
SCALE

SITE NOTES

1. PROPOSED 79 GRASS PARKING; PARKING SPACE DELINEATION SHOWN FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE INSTALLED.
2. INSTALL 36"x36" STOP SIGN (R1-1)
3. INSTALL 24" WIDE WHITE STOP BAR (THERMOPLASTIC)
4. INSTALL CO-MOUNTED 36"x36" STOP SIGN (R1-1) AND 'DO NOT ENTER' SIGN
5. INSTALL ONE-WAY ONLY SIGN
6. INSTALL 'DO NOT ENTER' SIGN
7. INSTALL CONCRETE SIDEWALK (SEE DETAIL D/C-6)
8. PROPOSED SITE LIGHTING (SEE ELECTRICAL PLAN FOR DETAILS)
9. PROPOSED HANDICAP PARKING SPACE (SEE DETAIL B/C-6)
10. PROPOSED REGULAR PARKING SPACE (SEE DETAIL B/C-6)
11. INSTALL DIRECTIONAL PAVEMENT MARKINGS (FDOT STD. INDEX NO. 711-001)
12. INSTALL SPECIAL EMPHASIS PEDESTRIAN CROSSING MARKINGS (FDOT STD. INDEX NO. 711-001)
13. INSTALL ASPHALT PAVEMENT (SEE DETAIL A/C-6)
14. PROPOSED SEWER LIFT STATION (SEE SHEET C-4.2)

SITE STATISTICS TABLE

General Information			
Property Tax ID #:	25-5N-10-0000-0010-0000		
Site Address:	3625 Caverns Road		
Developer:	City of Marianna		
Engineer:	David H. Melvin, Inc.		
Utilities:			
Water	City of Marianna		
Sewer	City of Marianna		
Zoning:	Recreation		
Intensity:	90% Impervious Area		
Building Height:	35 Feet		
Building Setbacks:			
Front:	20 Feet		
Side:	10 Feet		
Rear:	10 Feet		
Flood Zone:	12063C0315D, Zone X		
Site Data Table			
Total Development Area (SF):		**871,200 SF**	**20.00 AC**
Proposed Impervious Area (SF):		**132,438 SF**	**15.20 %**
Building Area		27,425 SF	3.15 %
Asphalt Area		97,783 SF	11.22 %
Concrete Area		7,230 SF	0.83 %
Parking Data			
Required Parking Spaces (Club):			
Required Regular Parking Spaces (1 SP 300 SF; 27,425 SF):		**92 Spaces**	
Handicap Parking Spaces (1 per 25 regular spaces; 92 reg. spaces):		4 Spaces	
Total Number of Spaces Required (Includes 4 handicap spaces):		**96 Spaces**	
Total Number of Spaces Provided (Includes 8 handicap spaces):		**114 Spaces**	

100% BID DOCUMENTS

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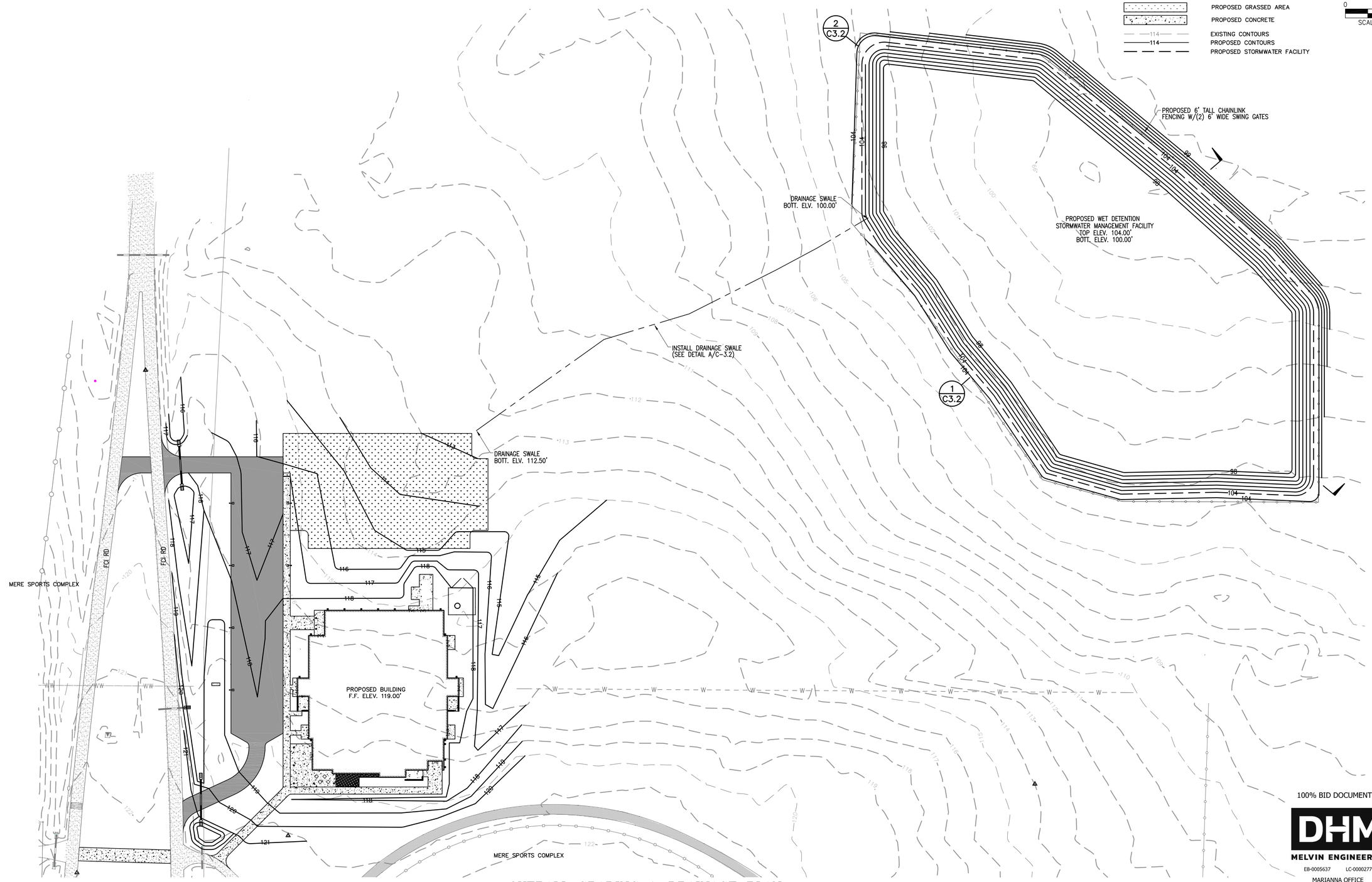
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SHEET TITLE: SITE AND DIMENSION PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
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MARIANNA, FLORIDA

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DRAWN BY: M.M.F.
CHECKED BY: D.H.M.

SHEET No.
C-2.1



OVERALL GRADING & DRAINAGE PLAN

1" = 50'

100% BID DOCUMENTS

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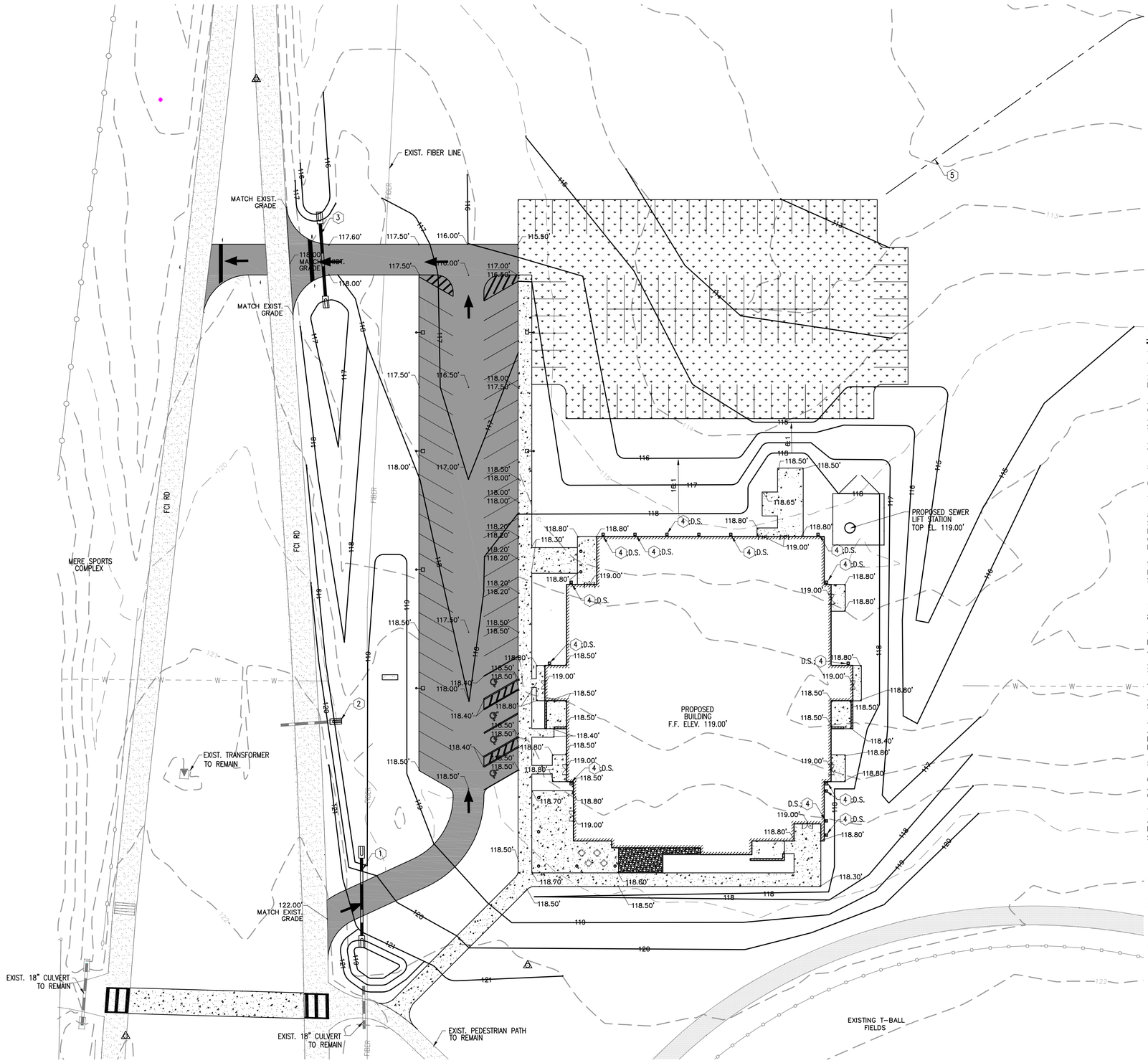
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SHEET No.
C-3



GRADING AND DRAINAGE PLAN

1" = 30'

LEGEND

- BOUNDARY
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE
- EXISTING CHAINLINK FENCE
- EXISTING FIELD FENCE
- EXISTING ASPHALT MILLINGS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED GRASSED AREA
- PROPOSED CONCRETE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATIONS
- D.S. PROPOSED DOWNSPOUT

0 30
SCALE

DRAINAGE NOTES

1. INSTALL 45 LF 18" PIPE @ 1.11% SLOPE W/18" MES
   N. INV. EL. 118.50'
   S. INV. EL. 119.00'
2. INSTALL 18" MES @ EXIST. INV. (FIELD VERIFY)
3. INSTALL 42 LF 18" PIPE @ 1.19% SLOPE W/18" MES
   N. INV. EL. 116.00'
   S. INV. EL. 116.50'
4. INSTALL 18"x24" CONC. SPLASH BLOCK; TYP. AT EACH DOWNSPOUT LOCATED ON GRASS AREAS
5. INSTALL DRAINAGE SWALE TO STORMWATER MANAGEMENT FACILITY (SEE DETAIL A/C-3.2)

CONSTRUCTION SEQUENCE:

1. ALL PERMITS (NWFWMD AND CITY) MUST BE OBTAINED PRIOR TO ANY CONSTRUCTION COMMENCEMENT AND KEPT ON-SITE DURING CONSTRUCTION UNTIL COMPLETION OF PROJECT.

2. THE CONTRACTOR SHALL REQUEST AN ON-SITE PRE-CONSTRUCTION MEETING WITH THE PROJECT ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY.

3. CONSTRUCT SEDIMENTATION/EROSION CONTROLS AND THEN CLEARLY "FLAG" THE LIMITS OF CLEARING. CONSTRUCTION ACTIVITY SHALL NOT COMMENCE UNTIL THE SEDIMENT CONTROLS HAVE BEEN INSPECTED AND APPROVED. THE CONTRACTOR SHALL CONTACT CITY REPRESENTATIVE TO INSPECT SAID SEDIMENT/EROSION CONTROLS PRIOR TO CONSTRUCTION ACTIVITY.

4. CLEAR THE REMAINING PORTION OF THE SITE AND CREATE DIVERSION CHANNELS TO DIRECT THE FLOW. WHERE NEEDED, CHECK DAMS CONSTRUCTED OF HAY BALES SHALL BE USED TO TRAP SEDIMENT.

5. CONSTRUCT SITE IMPROVEMENTS IN ACCORDANCE WITH THE APPROVED PLANS.

6. SOD OR SEED ALL REMAINING DISTURBED AREAS.

7. CONTACT PROJECT ENGINEER FOR INSPECTION OF SITE DURING CONSTRUCTION.

8. PRIOR TO THE REMOVAL OF ANY EXCAVATED MATERIAL FROM THE SITE THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE LOCATION OF ALL PROPOSED DISPOSAL SITES. ALL DISPOSAL SITES SHALL BE PROPERLY PERMITTED AND APPROVED TO RECEIVE THE EXCAVATED MATERIALS. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL OF THE ALLOWABLE DISPOSAL SITES FROM THE ENGINEER PRIOR TO THE REMOVAL OF ANY EXCAVATED MATERIALS.

9. OBTAIN FINAL APPROVAL FROM THE ENGINEER AND OWNER. CONTRACTOR SHALL REPAIR/REPLACE/RECONSTRUCT AT NO EXTRA COST ANY RELATED ITEMS TO THE STORMWATER CONVEYANCE SYSTEM THAT ARE FOUND TO BE IN NON-COMPLIANCE WITH THE PERMITTED PLANS.

CONSTRUCTION NOTES:

1. ENGINEER SHALL PROVIDE CONTRACTOR WITH ELECTRONIC FILE FOR SITE STAKEOUT. CONTRACTOR SHALL VERIFY ALL LAYOUT FEATURES PRIOR TO INSTALLATION OF IMPROVEMENTS. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS OR AMBIGUITY. THE CONTRACTOR SHALL UTILIZE REGISTERED SURVEYOR FOR LAYOUT OF ALL SITE IMPROVEMENTS.

2. UNLESS OTHERWISE INDICATED OR MODIFIED ON THE PLANS OR IN THE SPECIFICATIONS, THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD CONSTRUCTION SHALL BE THE GOVERNING SPECIFICATIONS FOR CONSTRUCTION MATERIAL AND SITE WORK.

3. WHERE REFERENCE IS MADE TO A STANDARD INDEX OR DETAIL, THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD CONSTRUCTION SHALL BE USED AS IF A PART OF THIS PLAN.

4. PRIOR TO COMMENCING CONSTRUCTION IN ANY COUNTY, OR STATE RIGHT-OF-WAY OR EASEMENT, THE CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING PRIVATE AND PUBLIC UTILITIES. THE CONTRACTOR SHALL ALSO COORDINATE WITH THE APPROPRIATE UTILITY PROVIDER FOR ANY NECESSARY UTILITY RELOCATION'S REQUIRED TO IMPLEMENT THE PROPOSED PLAN. ANY REQUIRED UTILITY RELOCATION WORK SHALL BE INCLUDED IN THE CONSTRUCTION BID.

5. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

6. EXISTING SURVEY ELEVATION INFORMATION WAS OBTAINED FROM SOUTHEASTERN SURVEYING & MAPPING, INC. IF ANY DISCREPANCIES ARE FOUND DURING CONSTRUCTION WITH EXISTING ELEVATION INFORMATION THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION PRIOR TO ANY FURTHER CONSTRUCTION OR INSTALLATION OF IMPROVEMENTS.

7. CONTRACTOR SHALL SOD ALL DISTURBED AREA AND RE-GRADE SMOOTH ALL AREAS ON-SITE AREAS--INCLUDES GRASS PARKING AREA AND DRAINAGE SWALE (120,000 SF), AREAS WITHIN FCI ROAD RIGHT-OF-WAY (30,000 SF), AND THE STORMWATER MANAGEMENT FACILITY FROM THE BOTTOM OF THE POND TO THE BACK SIDE OF THE BERM AND EXTEND DOWN TO THE TOE OF THE SLOPE (50,000 SF). THE REMAINDER OF THE DISTURBED AREA SHALL BE SEEDED AND MULCHED TO ENSURE STABILITY AND PROHIBIT EROSION.

8. CONTRACTOR SHALL NOTIFY ENGINEER FOR SITE VISIT AND CONFIRMATION OF GRADE STAKING PRIOR TO INSTALLATION OF ANY STRUCTURE, CONCRETE OR ASPHALT.

9. GRADING AND ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL (5-PERCENT SLOPE) FOR A MINIMUM DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL. IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT 10 FEET OF HORIZONTAL DISTANCE, A 5-PERCENT SLOPE SHALL BE PROVIDED TO AN APPROVED ALTERNATIVE METHOD OF DIVERTING WATER AWAY FROM THE FOUNDATION. SWALES USED FOR THIS PURPOSE SHALL BE SLOPED A MINIMUM OF 2-PERCENT WHERE LOCATED WITHIN 10 FEET OF THE BUILDING FOUNDATION. IMPERVIOUS SURFACES WITHIN 10 FEET OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2-PERCENT AWAY FROM THE BUILDING.

10. BUILDING ROOF SHALL BE CONSTRUCTED WITH GUTTERS AND DOWNSPOUTS TO PROVIDE POSITIVE DRAINAGE CONVEYANCE AWAY FROM THE BUILDINGS.

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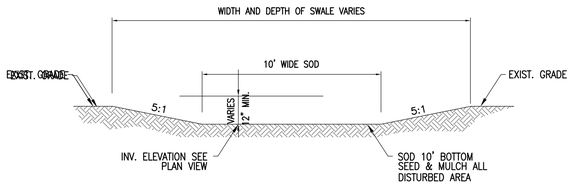
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SHEET TITLE: GRADING AND DRAINAGE PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
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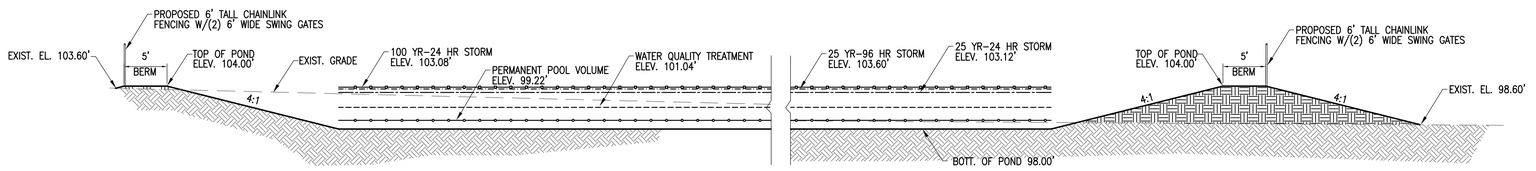
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C-3.1



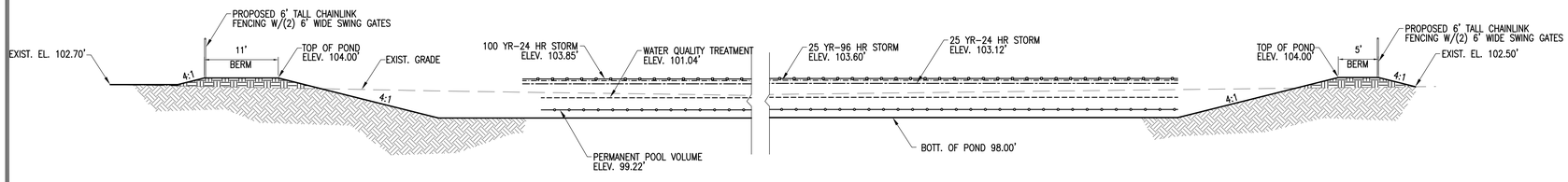
A / C3.2 DRAINAGE SWALE

SCALE: 1"=4'



1 / C3.1 STORMWATER MANAGEMENT FACILITY SECTION

SCALE: 1"=20'



2 / C3.1 STORMWATER MANAGEMENT FACILITY SECTION

SCALE: 1"=20'

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SHEET TITLE: STORMWATER MANAGEMENT FACILITY PLAN & DETAILS

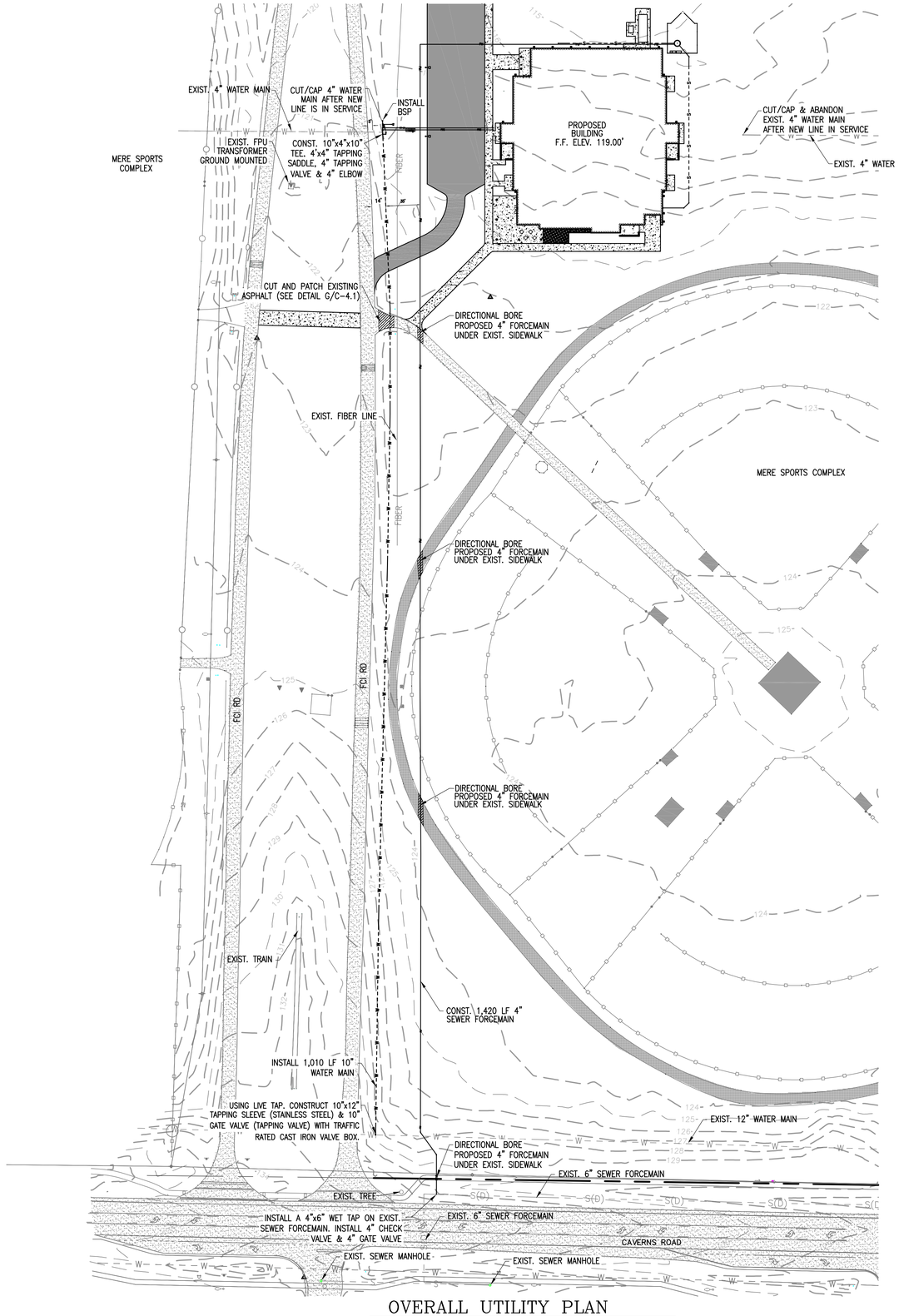
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OVERALL UTILITY PLAN

1" = 60'

LEGEND

- BOUNDARY
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE
- EXISTING CHAINLINK FENCE
- EXISTING FIELD FENCE
- EXISTING ASPHALT MILLINGS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- EXISTING CONTOURS
- EXISTING WATER MAIN
- PROPOSED WATER SERVICE
- PROPOSED SEWER FORCE MAIN
- PROPOSED FIRE LINE
- PROPOSED GRAVITY SEWER SERVICE

0 60
SCALE

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SHEET TITLE: OVERALL UTILITY PLAN

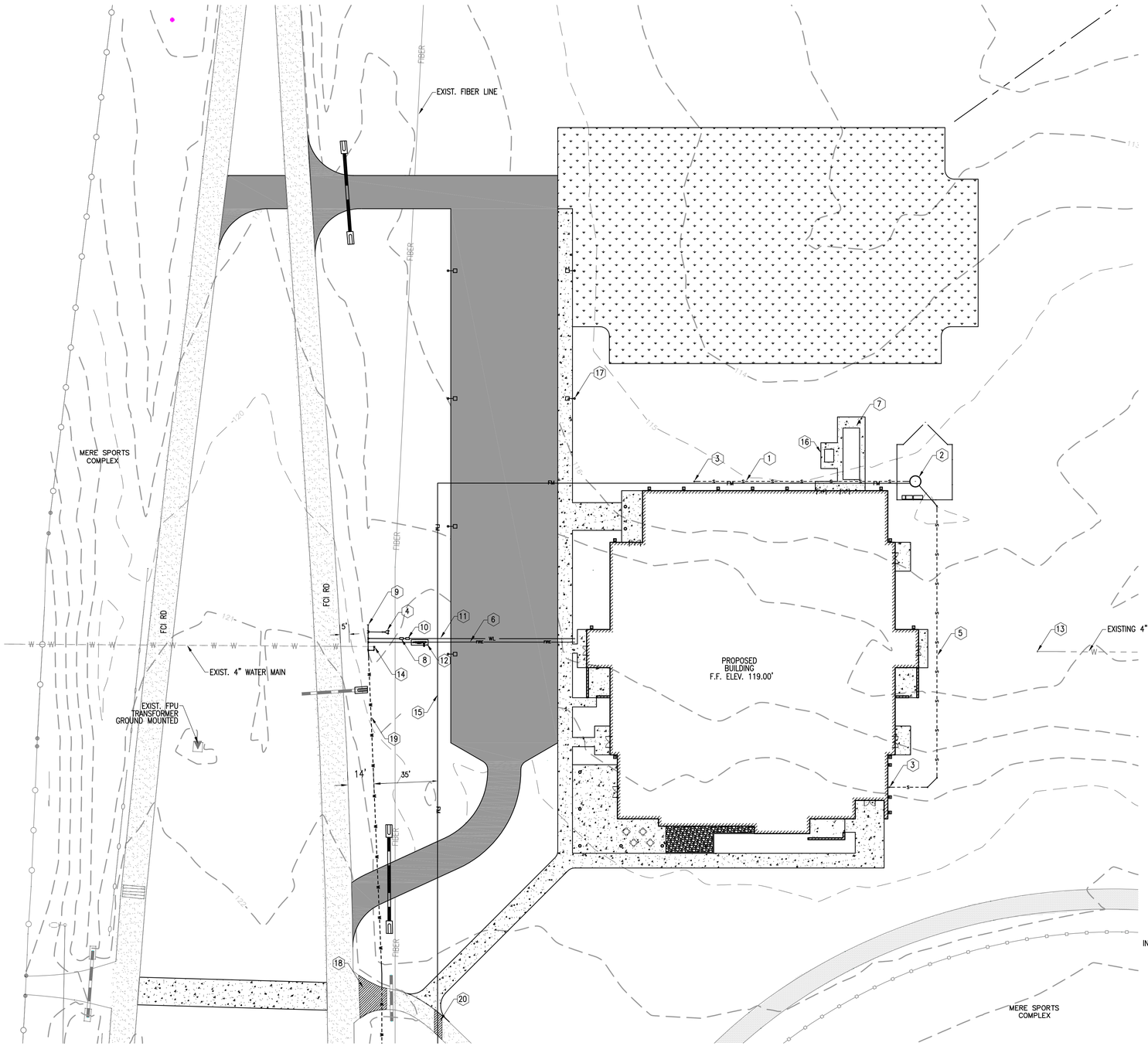
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UTILITY PLAN

1" = 30'

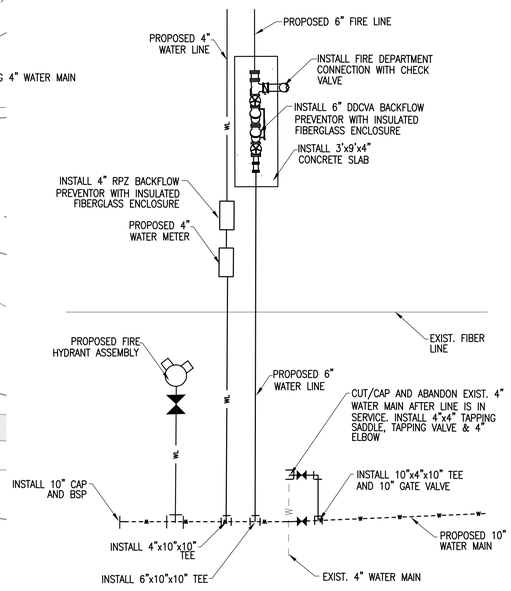
LEGEND

- BOUNDARY
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE
- EXISTING CHAINLINK FENCE
- EXISTING FIELD FENCE
- EXISTING ASPHALT MILLINGS
- PROPOSED ASPHALT PAVEMENT
- PROPOSED CONCRETE
- 114 — EXISTING CONTOURS
- W — EXISTING WATER MAIN
- WL — PROPOSED WATER SERVICE
- FM — PROPOSED SEWER FORCE MAIN
- FIRE — PROPOSED FIRE LINE
- S — PROPOSED GRAVITY SEWER SERVICE

0 30
SCALE

UTILITY NOTES

1. INSTALL 116 LF 6" SEWER LATERAL @ 5.17% SLOPE (1% MIN. SLOPE)
2. CONSTRUCT 6'ø DUPLEX SEWER LIFTSTATION W/(2) 10 HP PUMPS (CONNECTED TO GENERATOR)
   TOP EL. 119.00'
   INV. EL. (6" SEWER PIPE) 109.00'
   BOTT. EL. 103.00'
3. INSTALL 4" SEWER CLEAN-OUT (SEE DETAIL F/C4.1)
   INV. ELEV. 115.00'
4. CONSTRUCT FIRE HYDRANT ASSEMBLY
5. INSTALL 190 LF 6" SEWER LATERAL @ 3.15% SLOPE (1% MIN. SLOPE)
6. INSTALL 6" FIRE LINE (SEE PLUMBING PLAN FOR DETAILS)
7. PROPOSED NATURAL GAS GENERATOR (SEE ELECTRICAL PLAN FOR DETAILS)
8. INSTALL 4" WATER METER
9. INSTALL 10" WATER MAIN AND TERMINATE 10" WATER LINE WITH CAP & INSTALL BSP
10. INSTALL 4" RPZ BACKFLOW PREVENTOR WITH INSULATED FIBERGLASS ENCLOSURE
11. INSTALL 4" POTABLE WATER SERVICE
12. INSTALL 6" DDCA BACKFLOW PREVENTOR ON A 3'x9'x4" THICK CONCRETE SLAB WITH INSULATED FIBERGLASS ENCLOSURE.
13. CUT, CAP AND ABANDON EXISTING 4" WATER MAIN
14. CUT/CAP AND ABANDON EXISTING 4" WATER MAIN WHEN NEW LINE IS PLACED INTO SERVICE INSTALL 10"x4"x10" TEE, 4"x4" TAPPING SADDLE, 4" TAPPING VALVE AND 4" ELBOW
15. CONST. 1,420 LF 4"ø SEWER FORCEMAIN
16. PROPOSED TRANSFORMER (SEE ELECTRICAL FOR DETAILS)
17. PROPOSED SITE LIGHTING (SEE DETAIL E/C6)
18. CUT AND PATCH EXISTING ASPHALT (SEE DETAIL G/C4.1)
19. CONST. 1,010 LF 10" WATER MAIN (DR 18 C900)
20. DIRECTIONAL DRILL 4" SEWER FORCE MAIN UNDERNEATH EXIST. ASPHALT ROAD



A / C4.1 METER/BACKFLOW DETAIL

1" = 5'-0"

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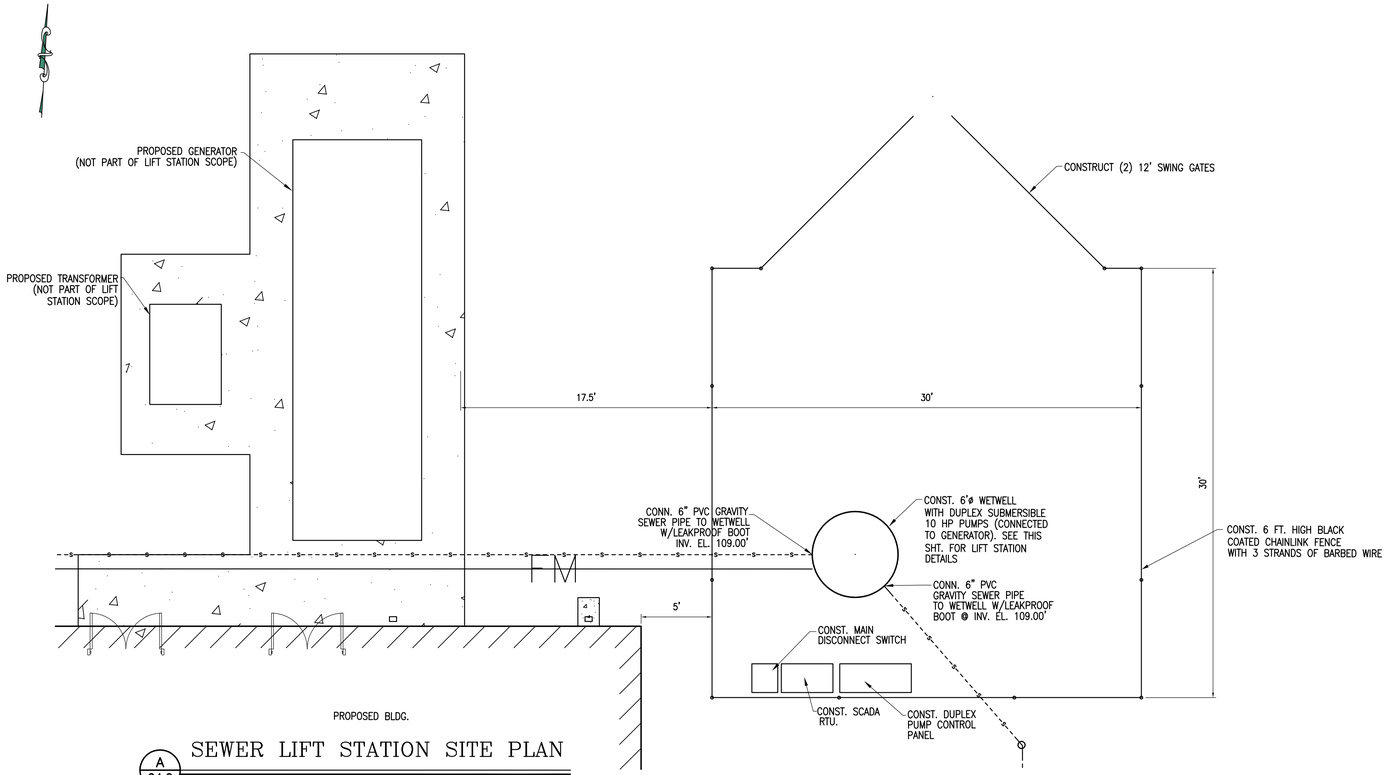
SHEET TITLE: UTILITY PLAN

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FOR
THE CITY OF MARIANNA
AT
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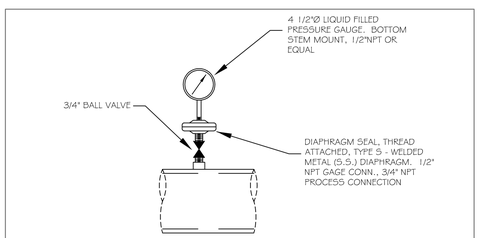
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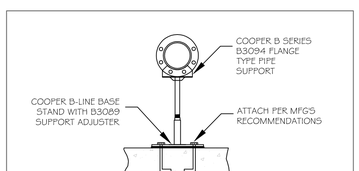
A C4.2 SEWER LIFT STATION SITE PLAN

1" = 5'-0"

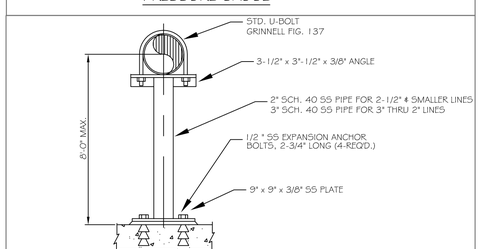
P.S. NAME	DESIGN CONDITION	EST HP	"A"	"B"	"C"	"D"	"E"	"F"	"G"				"H"	"I"	"J"	"K"	"L"	"M"	"N"	"O"	"P"	"Q"	"R"	"S"
			STATION INVERT	LOW LEVEL ALARM	STOP PUMPS (LW.L)	START 1st PUMP	START 2nd PUMP	HIGH LEVEL ALARM	INFL. INVERT	INFL. INVERT	INFL. INVERT	INFL. INVERT	FINISH GRADE	TOP OF STATION	WETWELL DIAMETER	TOP SLAB THICKNESS	FOUNDATION WALL THICKNESS	FOUNDATION SLAB DIAMETER	FOUNDATION SLAB FLANGE	REDUCER (IF APPL.)	DISCHARGE PIPE SIZE	REDUCER (IF APPL.)	FORCEMAIN PIPE SIZE	WETWELL MIN. WALL THICKNESS
MERE Shelter	150 gpm @ 55ft TDH	10 hp	103.00	105.00	105.50	107.50	108.0	108.50		109		109	118.5	119	6 ft	6"	12"	9 ft	12"	6" x 8"	4"	Not Required	4" PVC	7"



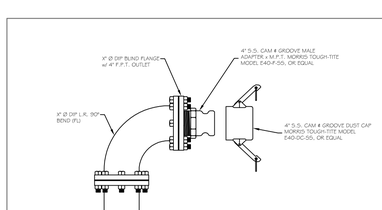
PRESSURE GAUGE



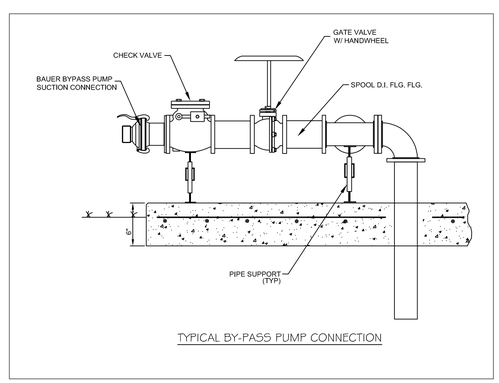
PIPE SUPPORT 2



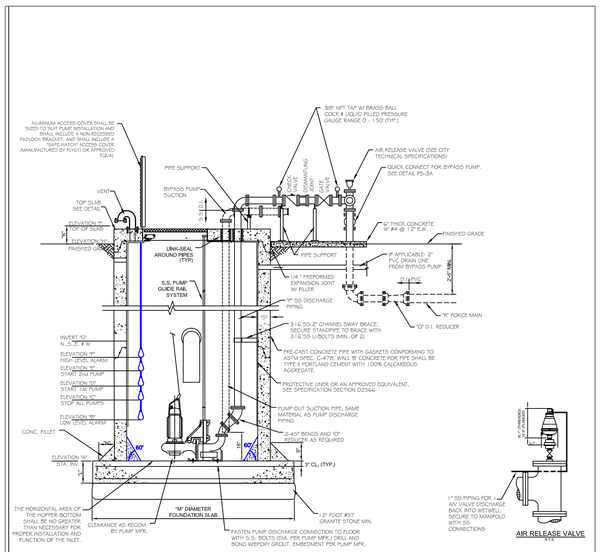
PIPE SUPPORT 1



EMERGENCY BY-PASS CONNECTION



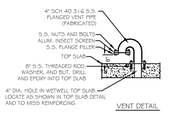
TYPICAL BY-PASS PUMP CONNECTION



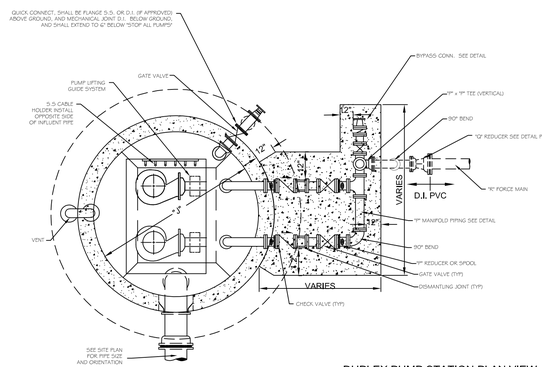
PUMPING STATION SECTION VIEW DETAIL

SCALE: N.T.S.
JAN / 2023

AIR RELEASE VALVE
N.T.S.

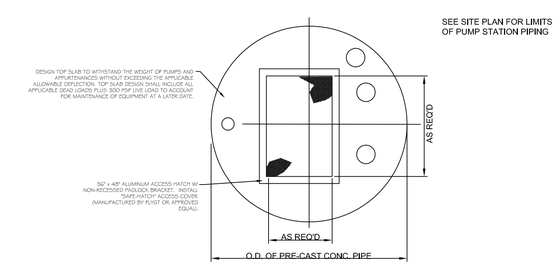


VENT DETAIL



DUPLEX PUMP STATION PLAN VIEW
N.T.S.

SEE SITE PLAN FOR LIMITS
OF PUMP STATION PIPING



TOP SLAB DETAIL
N.T.S.

SCALE: N.T.S.
JAN / 2023

DUPLEX PUMP STATION PLAN VIEW

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SHEET TITLE: SEWER LIFT STATION SITE PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
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CHECKED BY: D.H.M.

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1. INTRODUCTION

THIS DOCUMENT IS INTENDED TO PROVIDE GUIDANCE TO THE RESPONSIBLE AUTHORITY/OPERATOR FOR THE CREATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN COMPLIANCE WITH CHAPTER 62-621.500 (4) OF THE FLORIDA ADMINISTRATIVE CODE, WHICH PERTAINS TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE ADMINISTRATIVE CODE GRANTS THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) THE AUTHORITY TO REGULATE POINT SOURCE DISCHARGE OF STORMWATER FROM CONSTRUCTION SITES.

THE INFORMATION CONTAINED HEREIN IS ORGANIZED TO CORRESPOND TO THE ITEMS OUTLINED IN PART 4 OF THE FDEP FORM 62-621.300(4)(a) 'GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES'. IT SHALL BE THE RESPONSIBILITY OF THE RESPONSIBLE AUTHORITY/OPERATOR TO DEVELOP THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN AND TO SUBMIT THE FDEP FORM FORM 62-621.300(4)(b) 'NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES' AT LEAST TWO (2) CALENDAR DAYS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. THE RESPONSIBLE AUTHORITY/OPERATOR SHALL POST A COPY OF THE NOTICE OF INTENT (NOI) OR ACKNOWLEDGMENT LETTER FROM FDEP AT THE CONSTRUCTION SITE IN A PROMINENT PLACE FOR PUBLIC VIEWING. THE RESPONSIBLE AUTHORITY/OPERATOR SHALL ALSO MAINTAIN RECORDS OF THE SWPPP AND OTHER DOCUMENTS SPECIFIED IN THE GENERIC PERMIT AT THE CONSTRUCTION SITE TO BE AVAILABLE FOR REVIEW.

2. SITE DESCRIPTION

COUNTY: JACKSON
SECTION, TOWNSHIP, RANGE: 25; 5N; 10W

STREET ADDRESS: 3625 CAVERNS ROAD
PROJECT AREA: 20.00-ACRES±
SITE LOCATION MAP: REFER TO CONSTRUCTION PLANS

A. NATURE OF CONSTRUCTION ACTIVITY

THE PROJECT IS COMPRISED OF THE CONSTRUCTION OF A NEW 27,425 SF BUILDING, VEHICULAR USE AREA, UTILITY IMPROVEMENTS AND ON-SITE STORMWATER MANAGEMENT FACILITY.

ANTICIPATED START DATE: DECEMBER 2025
ANTICIPATED COMPLETION DATE: MARCH 2027

THE START AND END DATES FOR EACH MAJOR CONSTRUCTION ACTIVITY SHALL BE INCLUDED WITH THE SWPPP. THE SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES OUTLINED BELOW IS PROVIDED AS A GENERAL GUIDELINE, THE ACTUAL SEQUENCING AND DATES ARE TO BE PROVIDED IN THE SWPPP:

B. GENERAL SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

1. PRIOR TO CONSTRUCTION, SILT FENCING AND TREE PROTECTION FENCING SHALL BE INSTALLED AND ALL EXISTING STORM DRAINAGE SWALE AND INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THE PRACTICES DESCRIBED IN 'THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL' (CURRENT EDITION) AND FDOT STANDARD SPECIFICATION SECTION 104 (CURRENT EDITION).
2. THE CONSTRUCTION SERVICE ENTRANCE SHALL BE STABILIZED TO MINIMIZE THE CREATION OF DUST AND OFF-SITE TRACKING OF SEDIMENTS.
3. ONLY THE AREA COMPRISING THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED OF UNWANTED VEGETATION.
4. THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CONSTRUCTED.
5. IF SUITABLE, THE EXCAVATED SOIL FROM THE FACILITY(S) MAY BE USED AS FILL FOR ON-SITE GRADING THAT IS DEPICTED IN THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL ON-SITE OR OFF-SITE TO A PERMITTED LOCATION.
6. THE REMAINING PORTION OF THE SITE THAT IS TREATED BY THE CONSTRUCTED STORMWATER MANAGEMENT FACILITY(S) SHALL BE CLEARED AND GRUBBED.
7. THE PERMANENT ROADWAYS/ DRIVEWAYS SHALL BE ROUGHLY GRADED.
8. THE UNDERGROUND UTILITIES INFRASTRUCTURE AND STORMWATER PIPING SYSTEM SHALL BE INSTALLED. ANY DE-WATERING (PUMPED) SHALL BE DIVERTED TO THE ASSOCIATED STORMWATER MANAGEMENT FACILITY(S).
9. THE PERMANENT ROADWAY / DRIVEWAY SUBGRADE SHALL BE COMPACTED, A BASE SHALL BE ESTABLISHED, AND THEN FOLLOWED BY AN OVERLAY OF ASPHALT OR CONCRETE PAVEMENT.
10. UPON SIGNIFICANT COMPLETION OF CONSTRUCTION, THE STORMWATER PIPING SYSTEM SHALL BE FLUSHED OUT TO REMOVE ACCUMULATED DEBRIS AND SEDIMENT.
11. UPON COMPLETION OF THE DEBRIS AND SEDIMENT REMOVAL FROM THE STORMWATER PIPING SYSTEM, THE PROPOSED STORMWATER MANAGEMENT FACILITY(S) SHALL BE FINE GRADED AND BE EXCAVATED TO THE DESIGN BOTTOM ELEVATION. ONCE COMPLETED, NO HEAVY MACHINERY SHALL BE ALLOWED WITHIN THE STORMWATER MANAGEMENT FACILITY(S).
12. ALL REMAINING DISTURBED AREAS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED AND/OR LANDSCAPED ACCORDING TO THE CONSTRUCTION AND/OR LANDSCAPING PLANS. TURF ESTABLISHMENT SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 570. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS.

C. SITE AREA ESTIMATES AND RUNOFF DATA:

TOTAL PROJECT SITE AREA: 20.00-ACRES±
TOTAL SITE AREA TO BE DISTURBED: 6.00-ACRES±

RUNOFF COEFFICIENTS:

PRE-DEVELOPMENT 'C' FACTOR: 0.68
POST-DEVELOPMENT 'C' FACTOR: 0.80

D. SOIL CONDITIONS AND STORMWATER QUALITY

THE NRCS DATA FOR THE SITE REVEALS THAT THE SITE SOILS ARE COMPRISED OF ORANGEBURG LOAMY SAND (SC-SM, SC). REFER TO THE GENERAL NOTES SHEET IN THE CONSTRUCTION PLANS FOR INFORMATION REGARDING THE GEOTECHNICAL INVESTIGATIONS FOR THE SITE.

E. SITE MAP

REFER TO CONSTRUCTION PLANS

F. STORMWATER OUTFALL LOCATION AND RECEIVING WATER BODY.

OUTFALL ID#	LOCATION	RECEIVING WATERBODY
N/A	30°48'60" 85°11'11"	CHIPOLA RIVER

3. CONTROLS TO REDUCE POLLUTION

AS OUTLINED IN THE WATER MANAGEMENT DISTRICT ENIVROMENTAL RESOURCE PERMIT (ERP), ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER AS TO NOT VIOLATE STATE WATER QUALITY STANDARDS. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, THE RESPONSIBLE AUTHORITY/OPERATOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES TO RETAIN SEDIMENT ON-SITE IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). IF SITE CONDITIONS ARE SUCH THAT ADDITIONAL CONTROL MEASURES ARE REQUIRED OTHER THAT WHAT IS OUTLINED IN THE SWPPP, THE RESPONSIBLE AUTHORITY/OPERATOR OR OTHER SUBCONTRACTORS SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES. REGULAR INSPECTION AND MAINTENANCE OF THESE MEASURES IS REQUIRED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. THE FOLLOWING INFORMATION IS INTENDED TO PROVIDE GUIDANCE ON STANDARD MEASURES AND BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL: PLEASE REFER TO THE SWPPP FOR SPECIFIC DETAILS AND REQUIREMENTS FOR THE SITE.

4. EROSION AND SEDIMENT CONTROLS

A. GENERAL STABILIZATION PRACTICES

EXISTING TREES AND NATURAL VEGETATION TO REMAIN ON-SITE SHALL BE PROTECTED BY TREE BARRICADE FENCING AS DEPICTED. TYPE III SILT FENCING SHALL PROTECT ALL DRAINAGE STRUCTURES AND SHALL BUFFER AREAS WITH POTENTIAL TO CONTRIBUTE OFF-SITE RUNOFF AND AS SPECIFICALLY DEPICTED ON THE SWPPP. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN SEVEN (7) DAYS OR AS REQUIRED BY THE PERMITTING AGENCY, IN PORTIONS OF THE SITE WHERE CONSTRUCTION TEMPORARILY OR PERMANENTLY CEASED. UPON COMPLETION OF CONSTRUCTION, ALL STORMWATER MANAGEMENT FACILITIES SHALL BE SCRAPED CLEAN OF ANY ACCUMULATED SEDIMENT OR DEBRIS. ALL TURF ESTABLISHMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF FDOT STANDARD SPECIFICATION SECTION 570 AND EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO THE REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES.

B. GENERAL STORM STRUCTURE PROTECTION PRACTICES

A STORMWATER MANAGEMENT SYSTEM WILL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION PLANS AND WILL BE COMPRISED OF A WET DETENTION FACILITY AND A STORM PIPE CONVEYANCE SYSTEM. TO PREVENT EROSION DURING CONSTRUCTION, TYPE III SILT FENCING IS TO BE INSTALLED IN THE LOCATIONS SHOWN WITHIN THE CONSTRUCTION PLANS AND THE SWPPP. ALL EXISTING AND PROPOSED STORM DRAINS AND DRAINAGE SWALES SHALL BE PROTECTED IN ACCORDANCE WITH THE MEASURES DETAILED IN THE SWPPP AND/OR THE 'STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL' (CURRENT EDITION) UNTIL CONSTRUCTION HAS BEEN COMPLETED. UPON COMPLETION OF CONSTRUCTION OR SOIL DISTURBANCE ACTIVITIES, THE STORM PIPE CONVEYANCE SYSTEM SHALL BE FLUSHED TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT.

C. DRAINAGE AREAS SERVING LESS THAN 10 DISTURBED ACRES

DRAINAGE AREAS THAT ARE COMPRISED OF 10 DISTURBED ACRES OR LESS ARE RECOMMENDED TO UTILIZE SEDIMENT BASINS AND/OR TRAPS IF THE AREA IS NOT SERVED BY A PERMANENT STORMWATER MANAGEMENT FACILITY. IF A PERMANENT STORMWATER MANAGEMENT FACILITY IS PROPOSED TO BE USED AS A SEDIMENT BASIN AND/OR TRAP, APPROPRIATE MEASURES SHALL BE TAKEN TO ENSURE REMOVAL OF ANY ACCUMULATED SEDIMENT OR DEBRIS TO ENSURE THE DESIGN CAPACITY OF THE FACILITY IS PROVIDED. SILT FENCES OR OTHER SEDIMENT CONTROL SHALL BE INSTALLED AS OUTLINE IN THE CONSTRUCTION PLANS AND THE SWPP. LOCATION WHERE SILT FENCE SHALL BE INSTALLED INCLUDES, BUT IS NOT LIMITED TO, SIDE SLOPE AND DOWN SLOPE BANDARIES, INLET LOCATIONS, OUTLET LOCATIONS, WETLAND SETBACKS, OR AS OTHERWISE NOTED IN THE SWPPP. UPON COMPLETION OF CONSTRUCTION OR SOIL DISTURBING ACTIVITIES, SIDE SLOPES, SWALES, AND ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRASS AND LANDSCAPING AS SPECIFIED ON THE CONSTRUCTION DRAWINGS. NOTE THAT EROSION CONTROL IS SUBJECT TO THE SWPPP AND MAY BE AMENDED BY THE RESPONSIBLE AUTHORITY/OPERATOR AS NEEDED TO ENSURE SEDIMENTATION IS ADEQUATELY CONTROLLED.

D. DRAINAGE AREAS SERVING MORE THAN 10 DISTURBED ACRES

DRAINAGE AREAS THAT ARE COMPRISED OF 10 DISTURBED ACRES OR MORE ARE REQUIRED TO UTILIZE SEDIMENT BASINS AND/OR TRAPS IF THE AREA IS NOT SERVED BY A PERMANENT STORMWATER MANAGEMENT FACILITY. IF A PERMANENT STORMWATER MANAGEMENT FACILITY IS PROPOSED TO BE USED AS A SEDIMENT BASIN AND/OR TRAP, APPROPRIATE MEASURES SHALL BE TAKEN TO ENSURE REMOVAL OF ANY ACCUMULATED SEDIMENT OR DEBRIS TO ASSURE THE DESIGN CAPACITY OF THE FACILITY IS PROVIDED. SILT FENCES OR OTHER SEDIMENT CONTROL SHALL BE INSTALLED AS OUTLINE IN THE CONSTRUCTION PLANS AND THE SWPPP. LOCATIONS WHERE SILT FENCE SHALL BE INSTALLED INCLUDES, BUT IS NOT LIMITED TO, SIDE SLOPE AND DOWN SLOPE BOUNDARIES, INLET LOCATIONS, OUTLET LOCATIONS, WETLAND SETBACKS, OR AS OTHERWISE NOTED IN THE SWPPP. UPON COMPLETION OF CONSTRUCTION OR SOIL DISTURBING ACTIVITIES, SIDE SLOPES, SWALES, AND ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRASS AND LANDSCAPING AS SPECIFIED ON THE CONSTRUCTION DRAWINGS. NOTE THAT EROSION CONTROL IS SUBJECT TO THE SWPPP AND MAY BE AMENDED BY THE RESPONSIBLY AUTHORITY/OPERATOR AS NEEDED TO ENSURE SEDIMENTATION IS ADEQUATELY CONTROLLED.

5. STORMWATER MANAGEMENT PRACTICES

A. BEST MANAGEMENT PRACTICES

AFTER CONSTRUCTION, THE STORMWATER MANAGEMENT SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH THE SPECIFIED STORMWATER MAINTENANCE NOTES IN THE INCLUDED CONSTRUCTION DRAWINGS AND/OR RESPECTIVE MAINTENANCE REPORTS. SPECIFICALLY, THE PROPOSED SMF(S) SHALL BE MOWED REGULARLY IN THE SPECIFIED AREAS; STORM PIPES AND STRUCTURES WILL BE INSPECTED SEMI-ANNUALLY AND CLEANED ANNUALLY.

B. VEGETATED SWALES

WHEN VEGETATED SWALES ARE UTILIZED, SILT FENCING OR EQUIVALENT SEDIMENT CONTROLS SHALL BE INSTALLED AT ADEQUATE INTERVALS TO COLLECT SEDIMENT ALONG THE SWALE. THE SEDIMENT SHALL BE REMOVED WHEN SEDIMENT REACHES ONE-THIRD OF THE HEIGHT OF THE SILT FENCING.

C. VELOCITY DISSIPATION DEVICES AT DISCHARGE POINTS

WHEN DISCHARGE POINTS ARE NOT LOCATED UNDER WATER, RIPRAP PADS HAVE BEEN PROVIDED AT LOCATIONS WHERE NECESSARY DUE TO ANTICIPATED DISCHARGE VELOCITIES. PLEASE SEE THE CONSTRUCTION PLANS FOR DETAILS AND LOCATIONS, AS NEEDED.

6. CONTROLS FOR OTHER POTENTIAL POLLUTANTS

A. WASTE DISPOSAL

DISPOSE OF ALL UNSUITABLE MATERIALS AND CONSTRUCTION DEBRIS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS. THE METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE SPECIFIED IN THE SWPPP OR APPROVED BY THE ENGINEER: PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES, DISPOSE OF ALL FERTILIZERS OR OTHER CHEMICAL CONTAINERS TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER, DISPOSE OF SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, OFF THE PROJECT SITE IN APPROVED LOCATIONS. NO MATERIALS SHALL BE DISPOSED OF IN SURFACE WATERS OR WETLANDS.

B. OFF-SITE VEHICLE TRACKING & DUST CONTROL

TO MINIMIZE OFF-SITE VEHICULAR TRACKING OF SEDIMENTS AND DUST GENERATION, A STABILIZED CONSTRUCTION ENTRANCE AND SOIL TRACKING PREVENTION DEVICE SHALL BE ESTABLISHED AT ALL CONSTRUCTION ENTRANCES. INCLUDE THE FOLLOWING METHODS IN ADDITION TO THOSE SPECIFIED IN THE SWPPP OR AS DIRECTED BY THE ENGINEER: COVER LOADED HAUL TRUCKS WITH TARPAULINS, REMOVE EXCESS DIRT FROM ROADS DAILY, USE ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION OR MILLING OPERATIONS.

C. TEMPORARY POTABLE WATER AND SANITARY SEWER SYSTEMS

ENSURE THAT TEMPORARY/CONSTRUCTION POTABLE CONNECTIONS TO EXISTING PUBLIC WATER MAINS ARE INSTALLED IN ACCORDANCE WITH THE GOVERNING AUTHORITY/UTILITY OWNER'S REQUIREMENTS. IF TEMPORARY SANITARY SYSTEMS ARE UTILIZED DURING CONSTRUCTION PROPERLY CONTROL AND DISCHARGE ANY SANITARY WASTE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

D. FERTILIZER & PESTICIDES

THE USE OF FERTILIZERS, HERBICIDES, AND PESTICIDES ON THE PROJECT SITE WILL BE DIRECTED BY THE LANDSCAPE PLAN AND TO SUPPORT THE GROWTH OF THE PROPOSED VEGETATION. ESTABLISHING THIS VEGETATION WILL AID IN THE STABILIZATION OF THE PROJECT SITE AND REDUCE EROSION. APPLICATION RATES FOR THE FERTILIZERS, HERBICIDES, AND PESTICIDES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO GUARD AGAINST OVERUSE, WHICH CAN LEAD TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

E. HAZARDOUS MATERIAL

THE SWPPP SHALL PROVIDE A LIST OF HAZARDOUS MATERIALS THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES. THE CONSTRUCTION SITE MUST BE IN COMPLIANCE WITH STATE (FDEP RULE CHAPTER 62-25 F.A.C.) AND FEDERAL REQUIREMENTS. IN ADDITION, THE CONSTRUCTION SITE SHALL BE ALSO BE IN COMPLIANCE WITH ALL APPLICABLE LOCAL CODES, ORDINANCES, OR REQUIREMENTS.

7. CHANGES TO THE STORMWATER POLLUTION PREVENTION PLAN

THE SWPP SHALL BE AMENDED TO REFLECT ANY APPLICABLE CHANGES IN A STATE, REGIONAL, OR LOCAL PERMIT FOR WHICH THE RESPONSIBLE AUTHORITY/OPERATOR RECEIVES WRITTEN NOTICE. WHEN WRITTEN NOTICE IS RECEIVED, THE RESPONSIBLE AUTHORITY/OPERATOR SHALL PROVIDE A RE-CREATION OF THE SWPPP, WHICH HAS BEEN REVISED TO ADDRESS SUCH CHANGES. AMENDMENTS TO THE PLAN SHALL BE PREPARED, SIGNED, DATED, AND KEPT AS ATTACHMENTS TO THE ORIGINAL PLAN.

8. MAINTENANCE

THE SWPPP SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGH THE DURATION OF THE PROJECT. THE MAINTENANCE PLAN SHOULD, AT A MINIMUM, THE SWPPP SHOULD COMPLY WITH THE FOLLOWING:

A. SILT FENCE: MAINTAIN PER FDOT STANDARD SPECIFICATION SECTION 104. ANTICIPATE REPLACEMENT OF SILT FENCE ON 12 MONTH INTERVALS.
B. SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURE'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.
C. STORMWATER PONDS: REMOVE SEDIMENT FROM THE PONDS OR BASINS WHEN IT BECOMES 1.5' DEEP AT ANY POINT OR AS DIRECTED BY THE ENGINEER
D. IF REPAIRS ARE REQUIRED TO ANY OF THE EROSION AND SEDIMENT CONTROLS, IT SHALL BE INITIATED WITHIN 24 HOURS OF BEING REPORTED.

12. INSPECTIONS

INSPECTION OF THE PROJECT SITE AND SEDIMENT & EROSION CONTROLS SHALL BE DONE IN ACCORDANCE WITH THE SWPPP. AT A MINIMUM, QUALIFIED PERSONNEL SHALL INSPECT ITEMS A – G AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF STORM EVENT THAT IS 0.50 INCHES OR GREATER. IN ORDER TO ENSURE COMPLIANCE, RAIN GAUGE(S) SHALL BE INSTALLED AND MAINTAINED AT THE PROJECT SITE TO RECORD THE DAILY RAINFALL AMOUNTS. IN PORTIONS OF THE PROJECT WHERE PERMANENT STABILIZATION HAS BEEN COMPLETED, CONDUCT INSPECTIONS AT LEAST ONCE EVERY MONTH.

ALL INSPECTIONS ARE TO BE RECORDED AND INCLUDE THE NAME(S) AND QUALIFICATION OF THE INSPECTOR, THE DATE OF INSPECTION, RAINFALL DATA, LOCATION AND CONDITION OF CONTROL MEASURES, OBSERVATIONS, AND CORRECTIVE ACTIONS RECOMMENDED. A COPY OF THE SWPPP INSPECTION REPORT FORM FROM FDEP HAS BEEN INCLUDED ON THIS SHEET AS AN EXAMPLE. ALSO, INSPECT AND ENSURE THAT CONTROLS INSTALLED IN THE FIELD CORRESPOND TO THOSE SPECIFIED ON THE CURRENT SWPPP.

AREAS TO INSPECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

A. POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES
B. POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS (MS4)
C. DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
D. AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
E. STRUCTURAL CONTROLS
F. STORMWATER MANAGEMENT SYSTEMS
G. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE

INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTION THAT ITEMS ARE NOT IN GOOD WORKING ORDER. IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, OR PREVENT DISCHARGING POLLUTANTS, PROVIDE ADDITIONAL MEASURES AS REQUIRED AND THE RESPONSIBLE AUTHORITY/OPERATOR SHALL REVISE THE SWPPP ACCORDINGLY.

13. NON-STORMWATER DISCHARGES

REFER TO THE SWPPP FOR ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOW FROM FIRE FIGHTING ACTIVITIES). THE SWPPP SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT THE POLLUTION OF THESE NON-STORMWATER DISCHARGES. SUCH DISCHARGES MAY INCLUDE IRRIGATION OPERATIONS OR RUNOFF GENERATED FROM CONSTRUCTION PRACTICES.

14. CONTRACTORS CERTIFICATION

ENSURE THAT ALL CONTRACTORS AND SUBCONTRACTORS WORKING WITHIN THE PROJECT AREA SIGN THE FOLLOWING CERTIFICATION, AN EXAMPLE FORM HAS BEEN PROVIDED ON THIS SHEET:

"I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder."

15. RETENTION OF RECORDS

THE RESPONSIBLE AUTHORITY/OPERATOR SHALL RETAIN COPIES OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), ALL REPORTS REQUIRED BY THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES, AND ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THAT THE SITE HAS REACHED FINAL STABILIZATION AND THE NOTICE OF TERMINATION (N.O.T) IS SUBMITTED.

16. NOTICE OF TERMINATION

WHEN THE SITE HAS REACHED FINAL STABILIZATION AND ALL STORMWATER DISCHARGE AUTHORIZED BY THE GENERIC PERMIT HAS BEEN ELIMINATED, THE RESPONSIBLE AUTHORITY/OPERATOR SHALL SUBMIT A NOTICE OF TERMINATION (FDEP FORM 62-621.300(6)) THAT IS SIGNED IN ACCORDANCE WITH PART VII.C OF FDEP DOCUMENT NO. 62.621.300(4)(a) WITHIN 14 DAYS OF FINAL STABILIZATION OF THE SITE TO TERMINATE COVERAGE UNDER THIS PERMIT. THE ELIMINATION OF STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES MEANS THAT ALL DISTURBED SOILS AT THE SITE FINAL BEEN FINALLY STABILIZED AND ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME, OR THAT ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FROM THE SITE THAT ARE AUTHORIZED BY THIS GENERIC PERMIT HAVE OTHERWISE BEEN ELIMINATED. FOR CONSTRUCTION ACTIVITIES WHERE THE RESPONSIBLE AUTHORITY/OPERATOR CHANGES, THE CURRENT RESPONSIBLE AUTHORITY/OPERATOR SHALL FILE A NOTICE OF TERMINATION WITHIN 14 DAYS OF RELINQUISHING CONTROL OF THE PROJECT TO THE NEW RESPONSIBLE AUTHORITY/OPERATOR. NOTE THAT COVERAGE UNDER THE GENERIC PERMIT IS NOT TRANSFERABLE.

THE NOTICE OF TERMINATION CAN BE SUBMITTED EITHER OF THE FOLLOWING WAYS:

A. ONLINE AT http://www.fldepportal.com/go/
B. EMAIL TO NPDES-stormwater@dep.state.fl.us
C. MAIL TO THE FOLLOWING ADDRESS:
NPDES STORMWATER NOTICES CENTER, MS# 2510
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROJECTION
2600 BLAIRSTONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

IF THE PROJECT DISCHARGES TO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4), THE RESPONSIBLE AUTHORITY/OPERATION SHALL ALSO SUBMIT A COPY OF THE NOTICE OF TERMINATION OR THE ACKNOWLEDGEMENT LETTER WITHIN SEVEN (7) CALENDAR DAYS OF RECEIPT TO THE OPERATOR OF THE MS4.

17. OWNER'S INSTRUCTIONS FOR MAINTENANCE AND INSPECTION OF STORMWATER FACILITIES

FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES AND NOTICE OF TERMINATION, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE STORMWATER SYSTEM. THE ENTIRE STORMWATER SYSTEM SHOULD BE INSPECTED ON AT LEAST A SEMI-ANNUAL BASIS. THIS SHOULD INCLUDE A VISUAL INSPECTION OF THE POND, POND BANKS, BLEED-DOWN ORIFICES, OTHER CONTROL STRUCTURES, AND DISCHARGE PIPES. THESE SHOULD BE KEPT FREE OF DEBRIS AND CLEANED ON A FREQUENCY AS REQUIRED TO KEEP THEM FUNCTIONAL, AS DESIGNED.
MOWING/CLEARING AROUND THE STRUCTURES MAY BE REQUIRED TO PREVENT VEGETATION FROM CLOGGING THEM.
SEDIMENT SUMPS, IF DESIGNED AND INSTALLED, SHOULD HAVE SEDIMENT REMOVED AS NECESSARY TO ALLOW THEM TO EFFICIENTLY REMOVE SUSPENDED PARTICLES. THEY SHOULD BE RE-DUG TO THE ORIGINAL DESIGN SPECIFICATIONS, IF SILTED IN.

FOR PERCOLATION TREATMENT PONDS/SWALES, THE OWNER OF THE FACILITY SHALL INSPECT THE POND BOTTOM PERIODICALLY AFTER HEAVY RAINFALL EVENTS TO CHECK FOR PERSISTENT PONDING OR POOLING OF WATER. ALL LARGE DEBRIS SHALL BE REMOVED AND DISPOSED OF ELSEWHERE. IF PROLONGED PONDING PERSISTS, I.E., IN EXCESS OF 72 HOURS, THE OWNER SHALL RAKE OR SCARIFY THE SURFACE. IF REQUIRED, THE SOIL IN THE AREA OF PONDING SHALL BE REMOVED AND REPLACED WITH CLEAN SANDY, NON-COHESIVE SOILS.

SPECIFIC CONDITIONS OF ALL PERMITS MAY REQUIRE ADDITIONAL MAINTENANCE ACTIVITIES ABOVE AND BEYOND THOSE OUTLINED ABOVE.
PLEASE BE AWARE OF ALL PERMIT CONDITIONS AS ISSUED BY REGULATORY AGENCIES TO ENSURE PERMIT COMPLIANCE.

Stormwater Pollution Prevention Plan Inspection Report Form

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

Project Name:_____ FDEP NPDES Stormwater Identification Number: FLR_____

Location	Rain data	Type of control (see below)	Date installed / modified	Current Condition (see below)	Corrective Action / Other Remarks

Condition Code:
G = Good M = Marginal, needs maintenance or replacement soon P = Poor, needs immediate maintenance or replacement C = Needs to be cleaned O = Other

Control Type Codes			
1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system	28. Tree protection
2. Earth dikes	11. Vegetative buffer strip	20. Gabion	29. Detention pond
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin	30. Retention pond
4. Swale	13. Retention Pond	22. Temporary seed / sod	31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction entrance stabilization	23. Permanent seed / sod	32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile	
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

Inspector Information:

_____ _____ _____
Name Qualification Date

The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

* * * * * *

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

_____ _____
Name (Responsible Authority) Date

CONTRACTOR/SUBCONTRACTOR CERTIFICATION STATEMENT

SITE NAME: _____
SITE LOCATION: _____

NOTE: THE STORMWATER POLLITION PREVENTION PLAN (SWPPP) MUST CLEARLY IDENTIFY, FOR EACH MEASURE IDENTIFIED WITHIN THE SWPPP, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) THAT WILL IMPLEMENT EACH MEASURE. ALL CONTRACTOR(S) AND SUBCONTRACTOR(S) IDENTIFIED IN THE SWPPP MUST SIGN THE FOLLOWING CERTIFICATION:

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

DATE	RESPONSIBLE INDIVIDUAL NAME	RESPONSIBLE INDIVIDUAL SIGNATURE	TITLE	COMPANY NAME, ADDRESS, AND PHONE NUMBER

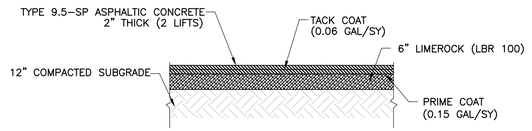
DAVID H. MELIN
No. 38734
STATE OF FLORIDA
PROFESSIONAL ENGIN

NOTES:

1. SOIL UNDER ALL PAVED AREAS (FILL AND CUT SECTIONS) SHALL BE COMPACTED TO 98% MODIFIED PROCTOR. BORROW MATERIAL, IF REQUIRED, IS TO BE PROVIDED BY THE CONTRACTOR AND SHALL HAVE A MINIMUM LBR VALUE OF 40.

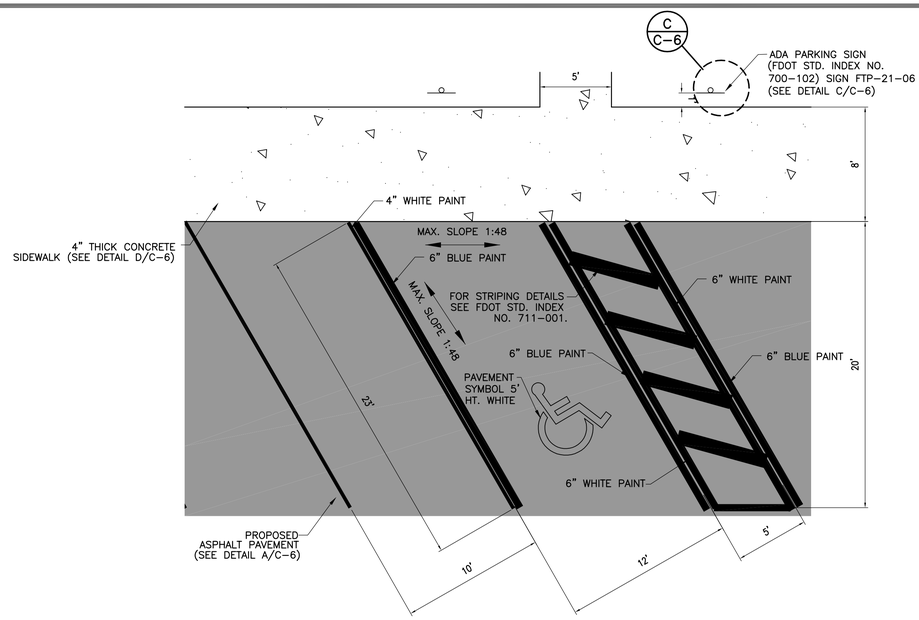
2. SOIL COMPACTION AND BASE INPLACE TESTING SHALL BE PERFORMED BY A CERTIFIED TESTING LAB AT THE EXPENSE OF THE CONTRACTOR. DENSITIES FOR FILL MATERIAL, BASE MATERIAL AND OTHER AREAS WITH REQUIRED PERCENT OF COMPACTION SHALL BE TAKEN AT THE RATE OF ONE PER LIFT (6" MAXIMUM COMPACTED THICKNESS) PER 300 SY.

3. CONTRACTOR SHALL NOT PROCEED WITH PAVING UNTIL ENGINEER HAS OBSERVED PROOF ROLLING OF THE BASE AND ISSUED WRITTEN AUTHORIZATION TO PROCEED.



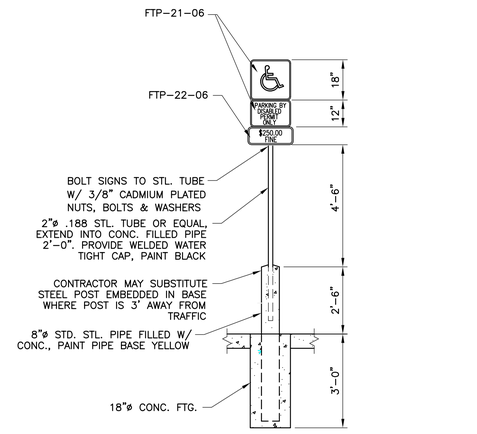
A C-2.1 ASPHALT PAVING DETAIL

N.T.S.



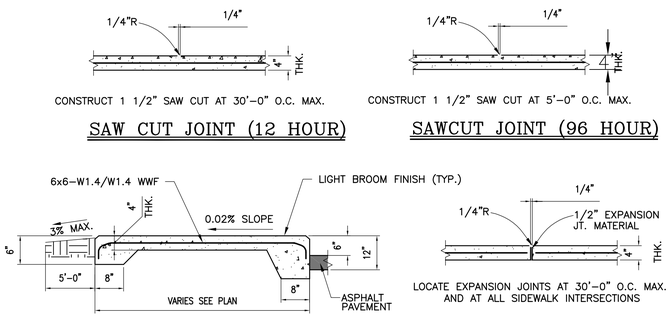
B C-2.1 PARKING SPACE DETAIL

SCALE: 1" = 5'



C C-6 ADA PARKING SIGN DETAIL

N.T.S.



D C-2.1 TYP. SIDEWALK SECTION

N.T.S.

DAVID H. MELVIN
LICENSE
No. 38734
STATE OF
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PROFESSIONAL ENGINEER

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SHEET TITLE: SITE DETAILS

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: M.M.F.
CHECKED BY: D.H.M.

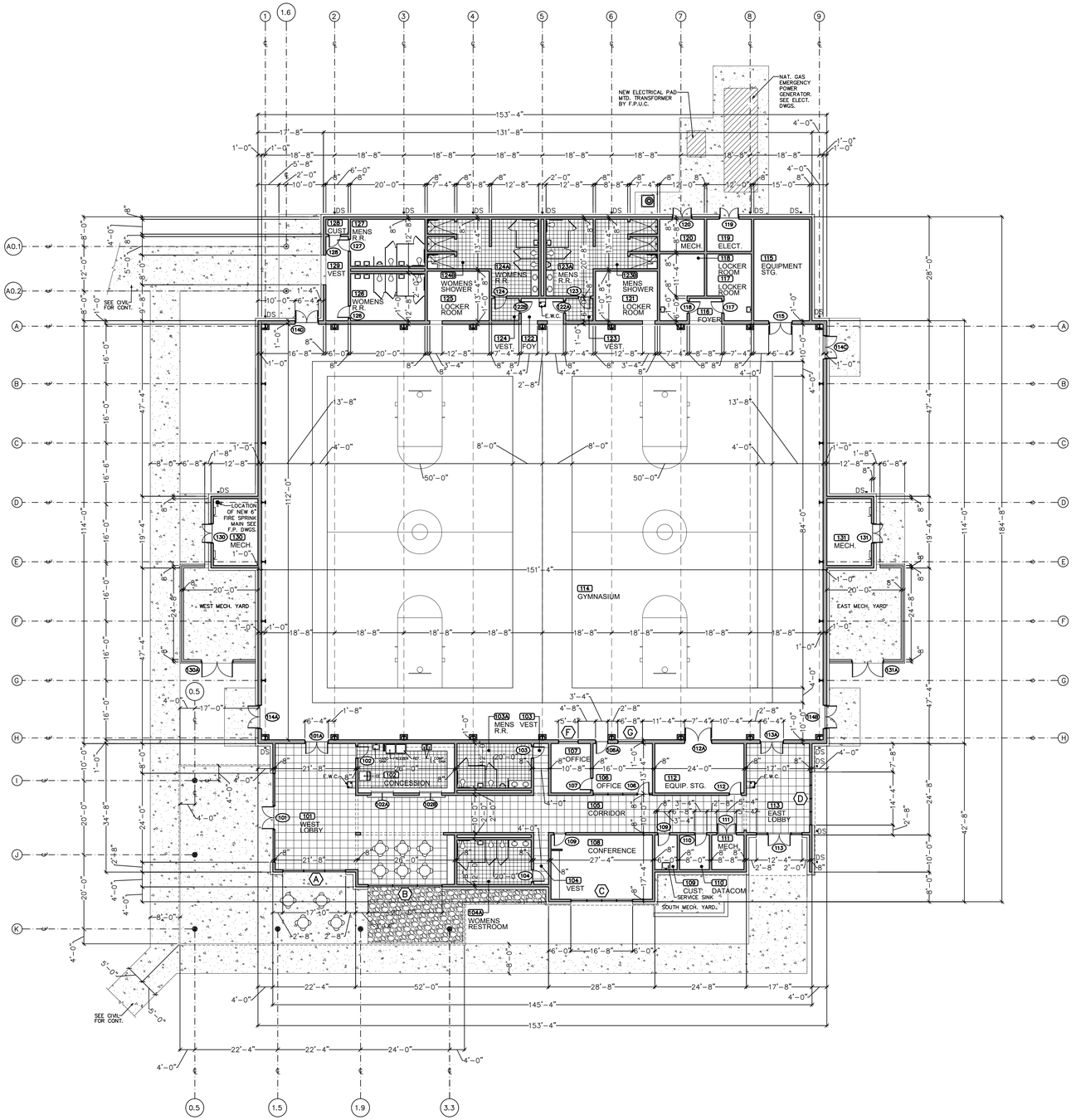
SHEET No.
C-6

100% BID DOCUMENTS

DHM
MELVIN ENGINEERING
EB-0005637 LC-0000277
MARIANNA OFFICE
4428 Lafayette Street
Marianna, FL 32446
Phone: (850) 482-3045
www.melvineng.com

FLOOR PLAN LEGEND

- ROOM FINISH SCHEDULE REFERENCE SYMBOL
- WINDOW SCHEDULE REFERENCE SYMBOL
- DOOR SCHEDULE REFERENCE SYMBOL
- STEEL COLUMN LOCATION REFERENCE SYMBOL
- GENERAL CONSTRUCTION NOTE REF. SYMBOL SEE SHEET A-1.1
- F.E. WALL MTD. 10 LB. CAPACITY FIRE EXTINGUISHER
- EXTERIOR ELEVATION REFERENCE SYMBOL
- INTERIOR ELEVATION REFERENCE SYMBOL
- NEW REINFORCED CONC. PAD, APRON, RAMP, OR WALK
- NEW CERAMIC TILE FLOORING. SEE ROOM FINISH SCHEDULE
- HB HOSE BIB
- DS INDICATES LOCATION OF PRE-FIN. MTL. DOWNSPOUT LEADER



DIMENSION FLOOR PLAN

1/16" = 1'-0"

GROSS SQUARE FOOTAGE = 26,989 S.F.

100% COMPLETE BID DOCUMENTS
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NOT FOR CONSTRUCTION
SEPTEMBER 4TH, 2025

STATE OF FLORIDA · PAUL A. DONOFRO JR. · 00011148 · REGISTERED ARCHITECT

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SHEET TITLE: DIMENSION FLOOR PLAN * LEGEND * NOTES

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DRAWN BY: C.L.D.
CHECKED BY: P.A.D., JR.

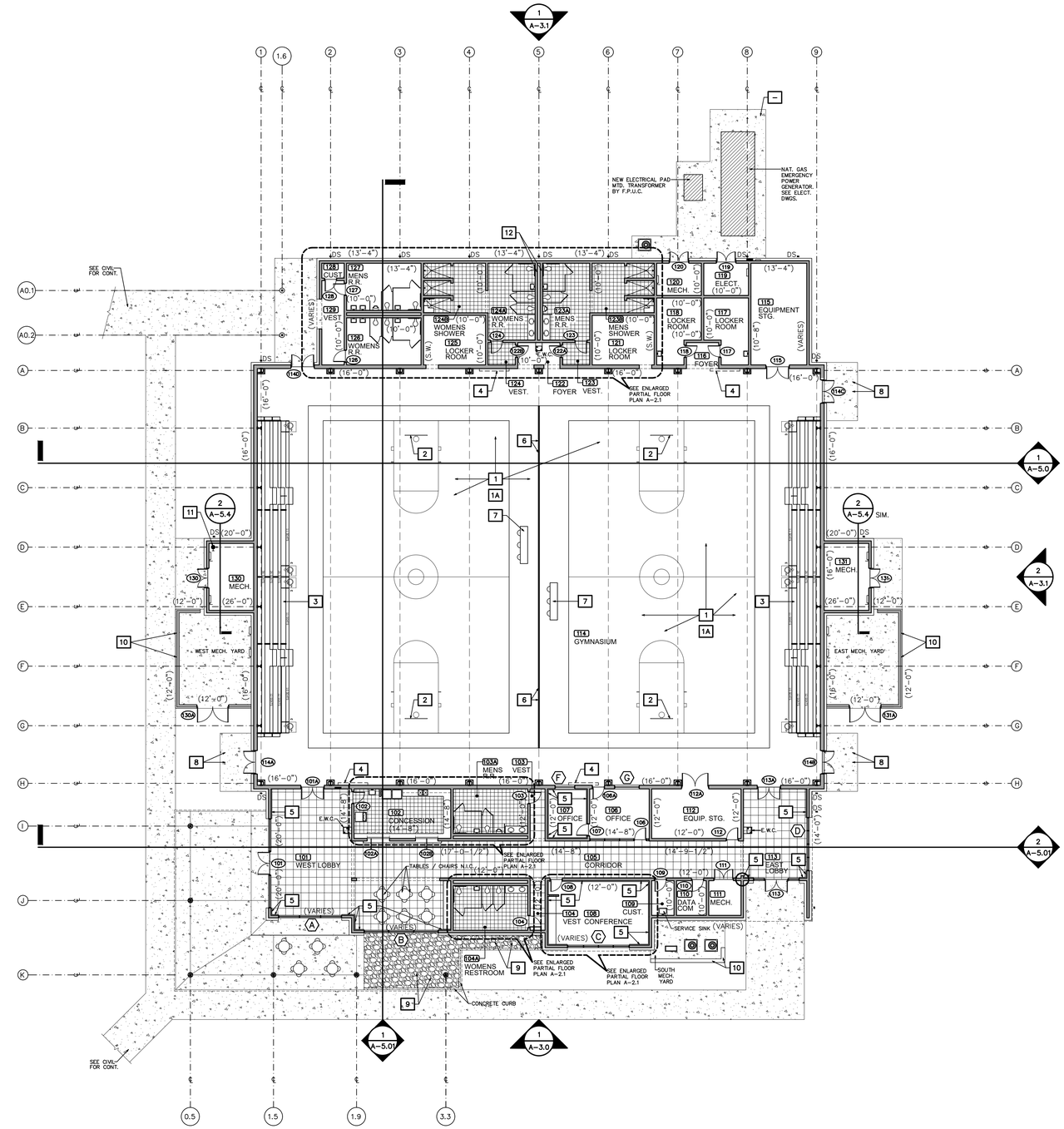
SHEET No.
A-1.0

FLOOR PLAN LEGEND

- ROOM FINISH SCHEDULE REFERENCE SYMBOL
- WINDOW SCHEDULE REFERENCE SYMBOL
- DOOR SCHEDULE REFERENCE SYMBOL
- STEEL COLUMN LOCATION REFERENCE SYMBOL
- GENERAL CONSTRUCTION NOTE REF. SYMBOL SEE SHEET A-1.1
- F.E. WALL MTD. 10 LB. CAPACITY FIRE EXTINGUISHER
- EXTERIOR ELEVATION REFERENCE SYMBOL
- INTERIOR ELEVATION REFERENCE SYMBOL
- NEW REINFORCED CONC. PAD, APRON, RAMP, OR WALK
- NEW CERAMIC TILE FLOORING. SEE ROOM FINISH SCHEDULE
- +HB HOSE BIB
- • DS INDICATES LOCATION OF PRE-FIN. MTL. DOWNSPOUT LEADER
- (# - ##) TOP OF MASONRY @ WALL; A.F.F. (UNLESS INDICATED OTHERWISE)
- (S.W.) SHEAR WALL EXTEND WALL ASSEMBLY UP TO BOTTOM OF ROOF DECK

CONSTRUCTION NOTES

1. DEPRESS CONCRETE FLOOR SLAB THROUGHOUT GYMNASIUM 114 (112'-0" X N/S X 151'-4" E/W 2-1/4" AS REQUIRED TO INSTALL NEW 25/32" CONT. STRIP MAPLE HARDWOOD FLOOR EQUAL TO ROBBINS ANCHORED ECLIPSE SPORTS SURFACE SYSTEM.
1A. PAINT COURT LINES IN COLORS AS SELECTED BY OWNER AS PER FHSA REGULATIONS. SEE ENLARGED COURT PLAN SHEET A-1.2 FOR CRITICAL DIMENSIONS & COURT ACCESSORIES.
2. PROVIDE & INSTALL ELECTRICALLY OPERATED F.H.S.A. REGULATION BASKETBALL GOAL, BACK BOARD, & SUPPORT STRUCTURE. COORDINATE SUPPORT STRUCTURE W/ P.E.M.B. ENGINEERING TO ENSURE ADEQUATE SUPPORT FOR LOCATION. (4 REQUIRED).
3. PROVIDE & INSTALL NON-RETRACTABLE (4) ROW LONG BLEACHERS W/ FILLER PANELS @ REAR WALL & FRONT STEPS @ AISLE AS REQ. TO ACCOMMODATE APPROX. 200 PERSONS EACH SIDE/400 TOTAL PERSONS AS PER DWGS. & SPECS.
4. PROVIDE & INSTALL NEW WALL MOUNTED 8'-0" X 3'-0" X 8" DEEP L.E.D. ELECTRICAL SCORE BOARD EQUAL TO NEVCO MODEL #2700.
5. INSTALL 5/8" PAINTED GYP. BOARD DRYWALL OVER 1-1/2" GALV. "Z" FURRING CHANNELS @ 16" O.C. W/ 1.5" RIGID INSULATION BOARD IN BETWEEN CHANNELS.
6. PROVIDE & INSTALL ELECTRICALLY OPERATED 92'-0" LONG X 18'-0" HIGH ROLL UP GYM DEVIDER CURTAIN. SEE SPECS.
7. APPROX LOCATION OF OWNER PROVIDED SCORERS TABLE. SEE ELECTRICAL FOR FLOOR MTD. POWER & DATA.
8. CONSTRUCT 8'-0" X 16'-0" X 4" THICK CONCRETE GYM EXIT PAD. PROVIDE FLUSH CONDITION @ DOOR & PROVIDE POSITIVE 1/4"/FOOT SLOPE AWAY FROM BUILDING & LIGHT BROOM FINISH.
9. CONSTRUCT 6" WIDE X 12" HIGH CONCRETE CURB AS SHOWN & 3" DEEP LAYER OF #57 ROCK INFILL OVER (2) LAYERS BLACK FILTER CLOTH. PROVIDE 1-1/2" DEEP X 3-1/2" WIDE DRAINAGE SLOTS @ TOP OF CURB @ 8'-0" O.C. SEE DETAIL.
10. CONSTRUCT MASONRY MECHANICAL YARD SCREEN WALL AS PER CONSTRUCTION SECTION.
11. NEW FIRE PROTECTION SPRINKLER SYSTEM RISER. SEE FIRE PROTECTION DWGS. & ELECTRICAL DWGS. FOR TAMPER SWITCH. SEE CIVIL DWGS. FOR FIRE DEPARTMENT CONNECTION LOCATED @ BACK FLOW PREVENTER.
12. EXTEND CHASE WALLS BETWEEN ROOM 123A & ROOM 124A UP TO BOTTOM OF ROOF DECK W/ 3.5" X 20GA. C.F.S. STUD FRAMING W/ GYP. BOARD DRYWALL ONE SIDE.



REFERENCE FLOOR PLAN

1/16" = 1'-0"

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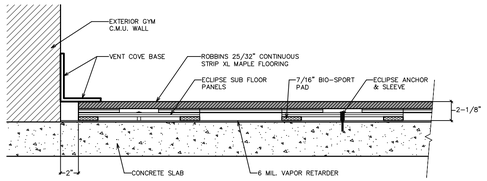
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SHEET TITLE: REFERENCE FLOOR PLAN * LEGEND * NOTES

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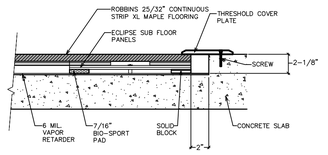
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SHEET No.
A-1.1



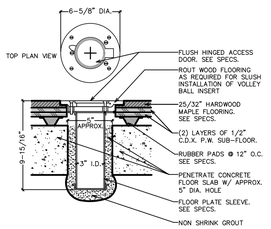
1 A-1.2 DETAIL @ EXTERIOR GYM WALL

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



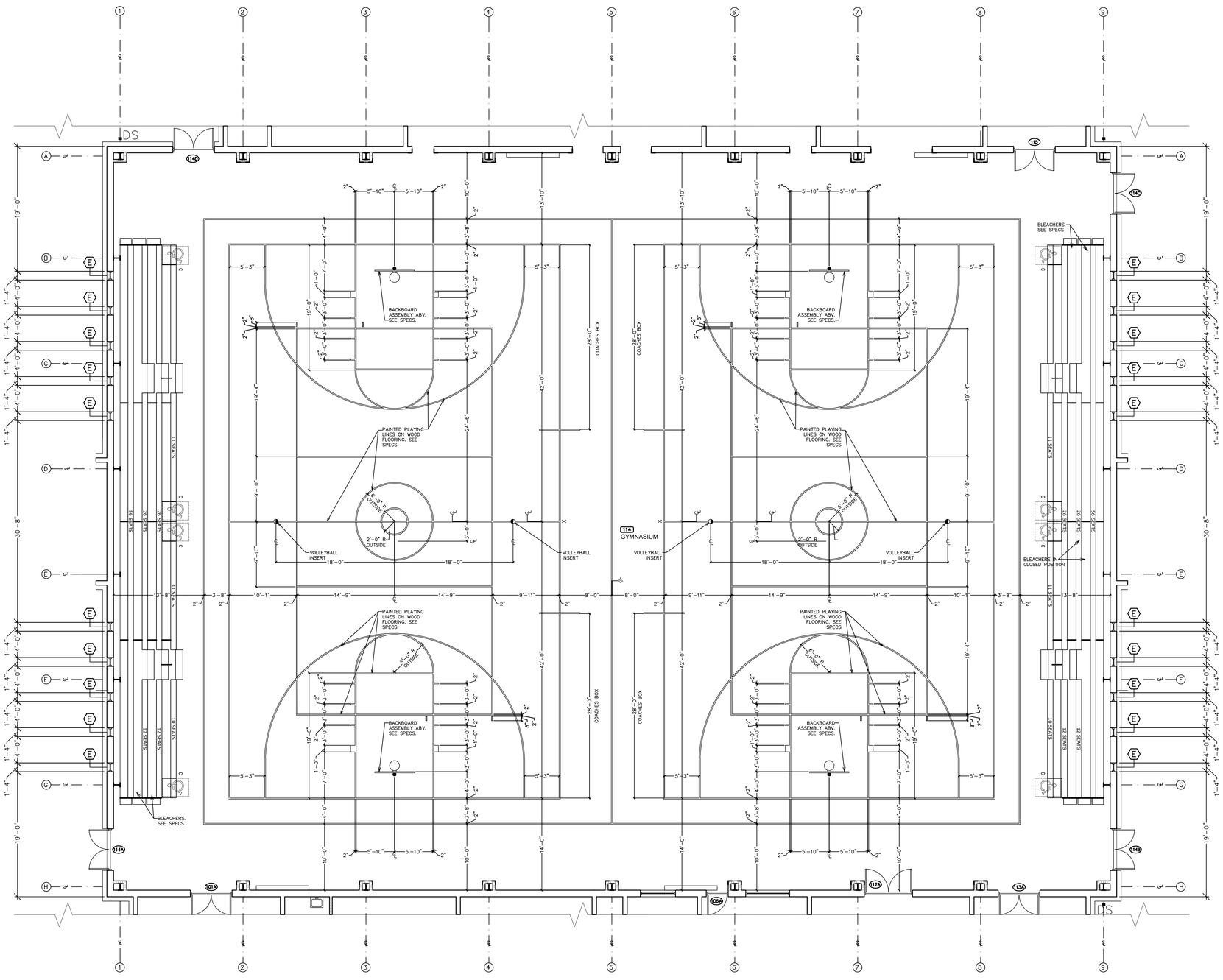
2 A-1.2 DETAIL @ VESTIBULE

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



3 A-1.2 VOLLEY BALL INSERT DETAIL

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



ENLARGED PARTIAL FLOOR PLAN

1/8" = 1'-0"

100% COMPLETE

BID DOCUMENTS

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SEPTEMBER 4TH, 2025

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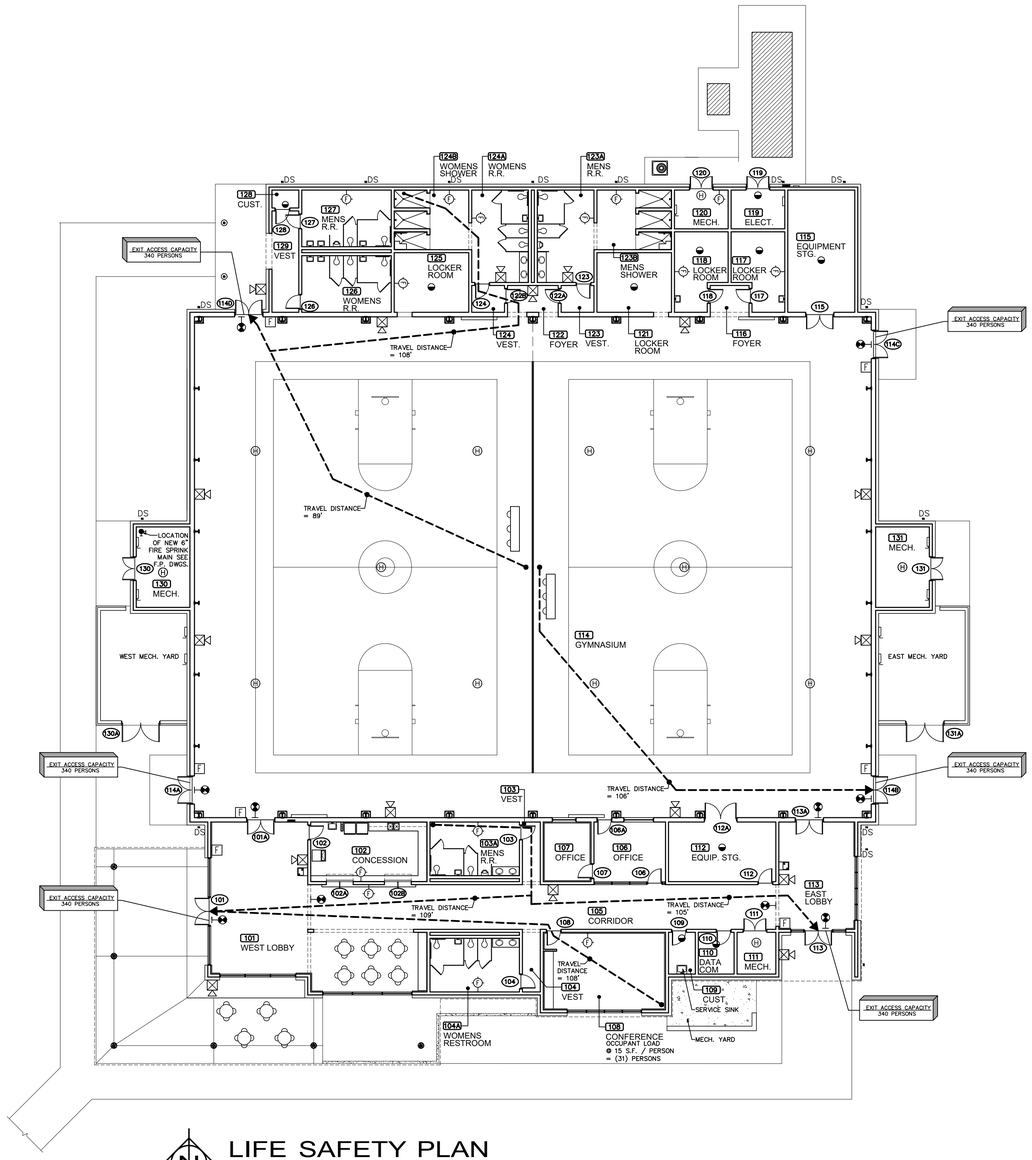
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SHEET TITLE: ENLARGED PARTIAL GYM FLOOR PLAN

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SHEET No.
A-1.2



LIFE SAFETY PLAN

1/16" = 1'-0"

LIFE SAFETY LEGEND

- WALL MTD. EMERGENCY EXIT LIGHT. SEE ELECT. DWGS.
- WALL MTD. EMERGENCY EXIT LIGHT. SEE ELECT. DWGS.
- CEILING MTD. EMERGENCY EXIT LIGHT SEE ELECT. DWGS.
- CEILING MTD. FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR. SEE ELECT. DWGS
- CEILING MTD. AUTOMATIC HEAT DETECTOR. SEE ELECT. DWGS.
- FIRE ALARM SYSTEM STROBE. SEE ELECT. DWGS.
- INDICATE'S TRAVEL DISTANCE TO EXIT
- FIRE ALARM SYSTEM SIGNAL SPEAKER/STROBE SEE ELECT. DWGS.
- FIRE ALARM SYSTEM MANUAL PULL STATION. SEE ELECT. DWGS.

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SHEET TITLE: LIFE SAFETY PLAN * LEGEND

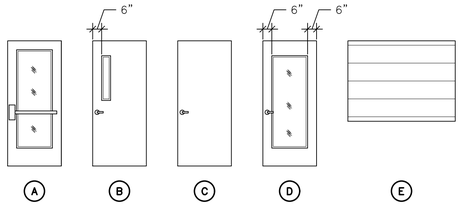
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SHEET No.
A-1.3

DOOR SCHEDULE

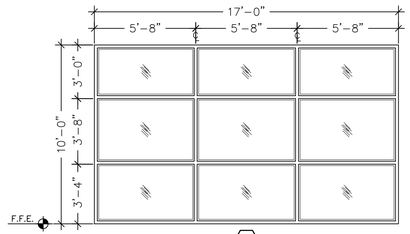
DOOR NUMBER	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR DESCRIPTION	DOOR TYPE	FRAME DESCRIPTION	FRAME TYPE	HARDWARE SET NUMBER	HARDWARE CLASSES	HARDWARE WEATHERSTRIPPING	REMARKS	SIGNAGE PUSH	SIGNAGE PULL	DOOR NUMBER
101	3'-0"	7'-0"	1-3/4"	ALUMINUM FRAME GLASS PANEL	A	ALUMINUM CURTAIN WALL	A			● ●	PAIR OF DOORS			101
101A	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	B	HOLLOW METAL	B			●	PAIR OF DOORS	LOBBY	GYMNASIUM	101A
102	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	B	HOLLOW METAL	C					CONCESSION		102
102A	6'-0"	4'-6"		STEEL ROLL UP DOOR	E						MANUALLY OPERATED			102A
102B	6'-0"	4'-6"		STEEL ROLL UP DOOR	E						MANUALLY OPERATED			102B
103	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C			●			WOMENS H/C ACCESS. SYM.	103
104	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C			●			MENS H/C ACCESS. SYM.	104
105	NO DOOR FOR THIS NUMBER					NO DOOR FOR THIS NUMBER						NO DOOR FOR THIS NUMBER		105
106	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	D	ALUM. TUBE STOREFRONT	E					OFFICE		106
106A	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	B	HOLLOW METAL	C							106A
107	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C							107
108	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	B	HOLLOW METAL	C							108
109	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C					CONFERENCE		109
110	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C					CUSTODIAL		110
111	2'-6"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	B				PAIR OF DOORS	DATA-COM		111
112	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C					MECHANICAL		112
112A	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	B				PAIR OF DOORS	EQUIP. STG.		112A
113	3'-0"	7'-0"	1-3/4"	ALUMINUM FRAME GLASS PANEL	A	ALUMINUM CURTAIN WALL	F			●	PAIR OF DOORS		MENS	113
113A	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	B	HOLLOW METAL	B			● ●	PAIR OF DOORS			113A
114A	3'-0"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	B			● ●	PAIR OF DOORS	LOBBY	GYMNASIUM	114A
114B	3'-0"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	B			● ●	PAIR OF DOORS			114B
114C	3'-0"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	B			● ●	PAIR OF DOORS			114C
114D	3'-0"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	B			● ●	PAIR OF DOORS			114D
115	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	B				PAIR OF DOORS			115
116	NO DOOR FOR THIS NUMBER					NO DOOR FOR THIS NUMBER						NO DOOR FOR THIS NUMBER		116
117	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C			●			LOCKER ROOM A	117
118	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C			●			LOCKER ROOM B	118
119	2'-6"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	B			●	PAIR OF DOORS		ELECTRICAL	119
120	2'-6"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	B			●	PAIR OF DOORS		MECHANICAL	120
121	NO DOOR FOR THIS NUMBER					NO DOOR FOR THIS NUMBER						NO DOOR FOR THIS NUMBER		121
122A	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C			● ●			WOMENS H/C ACCESS. SYM.	122A
122B	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C			● ●			MENS H/C ACCESS. SYM.	122B
123	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C			● ●			ELECTRICAL	123
124	3'-0"	7'-0"	1-3/4"	WOOD SOLID CORE FLUSH PANEL	C	HOLLOW METAL	C			● ●			MECHANICAL	124
125	NO DOOR FOR THIS NUMBER					NO DOOR FOR THIS NUMBER						NO DOOR FOR THIS NUMBER		125
126	3'-0"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	C			● ●			WOMENS H/C ACCESS. SYM.	126
127	3'-0"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	C			● ●			MENS H/C ACCESS. SYM.	127
128	3'-0"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	C			● ●			CUSTODIAL	128
129	NO DOOR FOR THIS NUMBER					NO DOOR FOR THIS NUMBER						NO DOOR FOR THIS NUMBER		129
130	2'-6"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	B			●	PAIR OF DOORS		MECHANICAL	130
130A	4'-2"	8'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	D				PAIR OF DOORS			130A
131	2'-6"	7'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	B			●	PAIR OF DOORS		MECHANICAL	131
131A	4'-2"	8'-0"	1-3/4"	HOLLOW METAL FLUSH PANEL	C	HOLLOW METAL	D				PAIR OF DOORS			131A



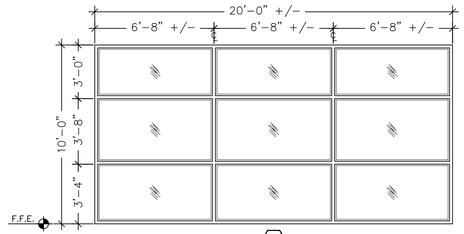
DOOR TYPES
1/4" = 1'-0"

ROOM FINISH SCHEDULE

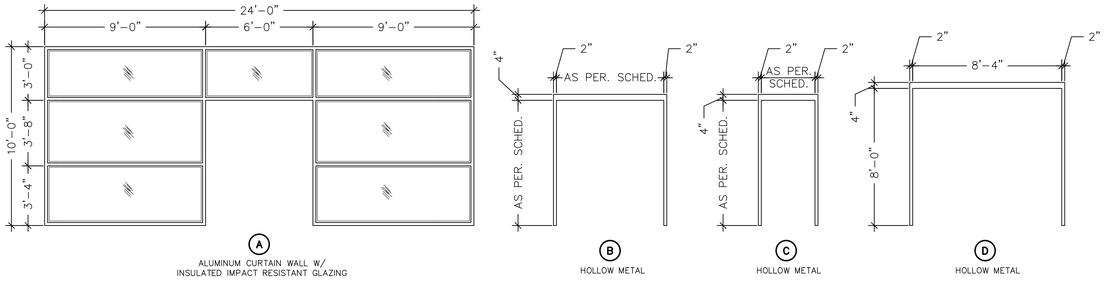
ROOM NUMBER	ROOM NAME	FLOORING CARPET TILE	FLOORING L.V.P. / L.V.T.	FLOORING CERAMIC TILE	FLOORING SEALED CONC.	FLOORING HARDWOOD FLOOR	BASE RUBBER	BASE WOOD PAINTED	BASE CERAMIC TILE	BASE NONE	WALLS PAINTED GYP. BOARD	WALLS PAINTED C.M.U.	WALLS EPOXY PAINTED C.M.U.	WALLS CERAMIC TILE	CEILING SUSPENDED ACOUSTICAL TILE	CEILING SUSPENDED GYP. BOARD	CEILING PAINTED GYP. BOARD	CEILING EPOXY PAINTED GYP. BOARD	CEILING CERAMIC TILE	CEILING EXPS	CEILING NONE	CROWN MOLDING	CHAIR RAIL	CEILING HEIGHT	REMARKS	ROOM NUMBER
101	WEST LOBBY		●	●				●			●	●			●									12'-0" A.F.F.		101
102	CONCESSION		●	●				●		●		●			●									10'-0" A.F.F.		102
103	VESTIBULE		●					●				●			●									9'-0" A.F.F.		103
103A	MENS RESTROOM			●				●		●				●		●								9'-0" A.F.F.		103A
104	VESTIBULE		●					●				●			●									9'-0" A.F.F.		104
104A	WOMENS RESTROOM			●				●		●				●		●								9'-0" A.F.F.		104A
105	CORRIDOR		●					●			●	●			●									10'-0" A.F.F.		105
106	OFFICE	●						●				●			●									9'-0" A.F.F.		106
107	OFFICE	●						●			●				●									9'-0" A.F.F.		107
108	CONFERENCE	●						●			●				●									10'-0" A.F.F.		108
109	CUSTODIAL				●			●				●						●						9'-0" A.F.F.	PROVIDE C.F.S. CEILING JOISTS @ 16" O.C.	109
110	DATA-COM				●			●				●						●						9'-0" A.F.F.	PROVIDE C.F.S. CEILING JOISTS @ 16" O.C.	110
111	MECHANICAL				●			●				●						●							PROVIDE C.F.S. CEILING JOISTS @ 16" O.C.	111
112	EQUIPMENT STORAGE				●			●				●					●							10'-0" A.F.F.		112
113	EAST LOBBY		●					●			●	●			●									10'-0" A.F.F.		113
114	GYMNASIUM					●		●				●										●				114
115	EQUIPMENT STORAGE				●			●				●					●							10'-0" A.F.F.		115
116	FOYER		●					●				●			●									9'-0" A.F.F.		116
117	LOCKER ROOM			●					●					●		●								9'-0" A.F.F.		117
118	LOCKER ROOM			●					●					●		●								9'-0" A.F.F.		118
119	ELECTRICAL				●					●		●						●						9'-0" A.F.F.	PROVIDE C.F.S. CEILING JOISTS @ 16" O.C.	119
120	MECHANICAL				●					●		●						●						9'-0" A.F.F.	PROVIDE C.F.S. CEILING JOISTS @ 16" O.C.	120
121	LOCKER ROOM			●					●					●		●								9'-0" A.F.F.		121
122	FOYER		●					●				●			●									9'-0" A.F.F.		122
123	VESTIBULE		●					●				●			●									9'-0" A.F.F.		123
123A	MENS RESTROOM			●					●					●		●								9'-0" A.F.F.		123A
123B	MENS SHOWER ROOM			●					●					●		●								9'-0" A.F.F.	PROVIDE C.F.S. CEILING JOISTS @ 16" O.C.	123B
124	VESTIBULE		●					●				●			●									9'-0" A.F.F.		124
124A	WOMENS RESTROOM			●					●					●		●								9'-0" A.F.F.		124A
124B	WOMENS SHOWER ROOM			●					●					●		●								9'-0" A.F.F.	PROVIDE C.F.S. CEILING JOISTS @ 16" O.C.	124B
125	LOCKER ROOM			●					●					●		●								9'-0" A.F.F.		125
126	WOMENS RESTROOM			●					●					●		●								9'-0" A.F.F.		126
127	MENS RESTROOM			●					●					●		●								9'-0" A.F.F.		127
128	CUSTODIAL				●			●				●						●						9'-0" A.F.F.		128
129	VESTIBULE				●			●				●												9'-0" A.F.F.		129
130	MECHANICAL				●			●				●														130
131	MECHANICAL				●			●				●														131



ALUMINUM CURTAIN WALL W/
INSULATED IMPACT RESISTANT GLAZING



ALUMINUM CURTAIN WALL W/
INSULATED IMPACT RESISTANT GLAZING

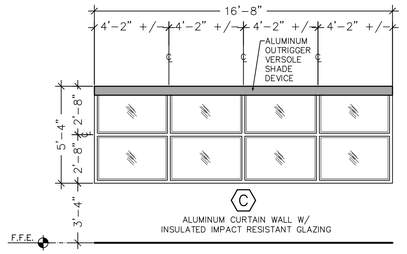


ALUMINUM CURTAIN WALL W/
INSULATED IMPACT RESISTANT GLAZING

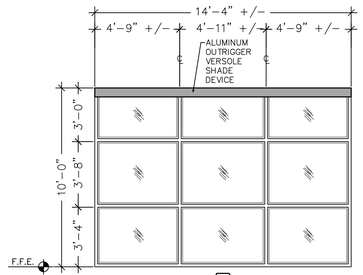
HOLLOW METAL

HOLLOW METAL

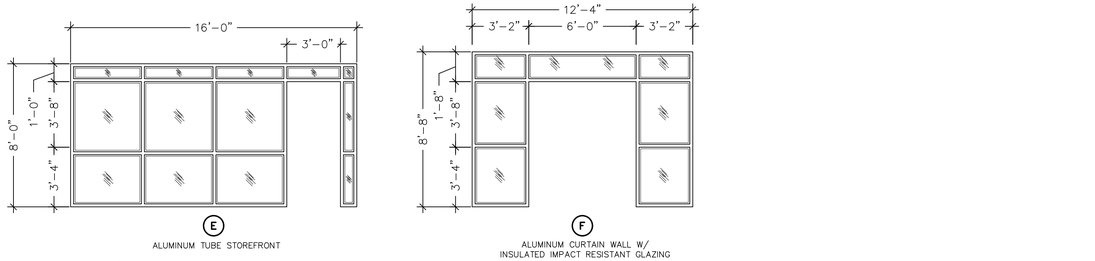
HOLLOW METAL



ALUMINUM CURTAIN WALL W/
INSULATED IMPACT RESISTANT GLAZING



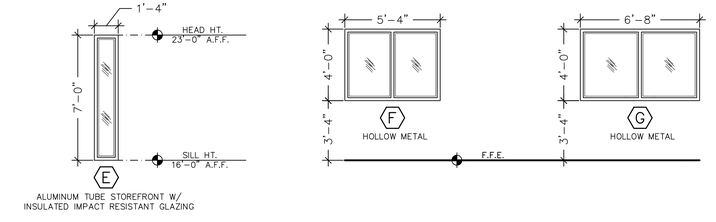
ALUMINUM CURTAIN WALL W/
INSULATED IMPACT RESISTANT GLAZING



ALUMINUM TUBE STOREFRONT

ALUMINUM CURTAIN WALL W/
INSULATED IMPACT RESISTANT GLAZING

DOOR FRAME TYPES
1/4" = 1'-0"



ALUMINUM TUBE STOREFRONT W/
INSULATED IMPACT RESISTANT GLAZING

WINDOW TYPES
1/4" = 1'-0"

100% COMPLETE
BID DOCUMENTS
DONOFRO ARCHITECTS
NOT FOR CONSTRUCTION
SEPTEMBER 4TH, 2025

STATE OF FLORIDA
PAUL A. DONOFRO JR.
REGISTERED ARCHITECT
00011148

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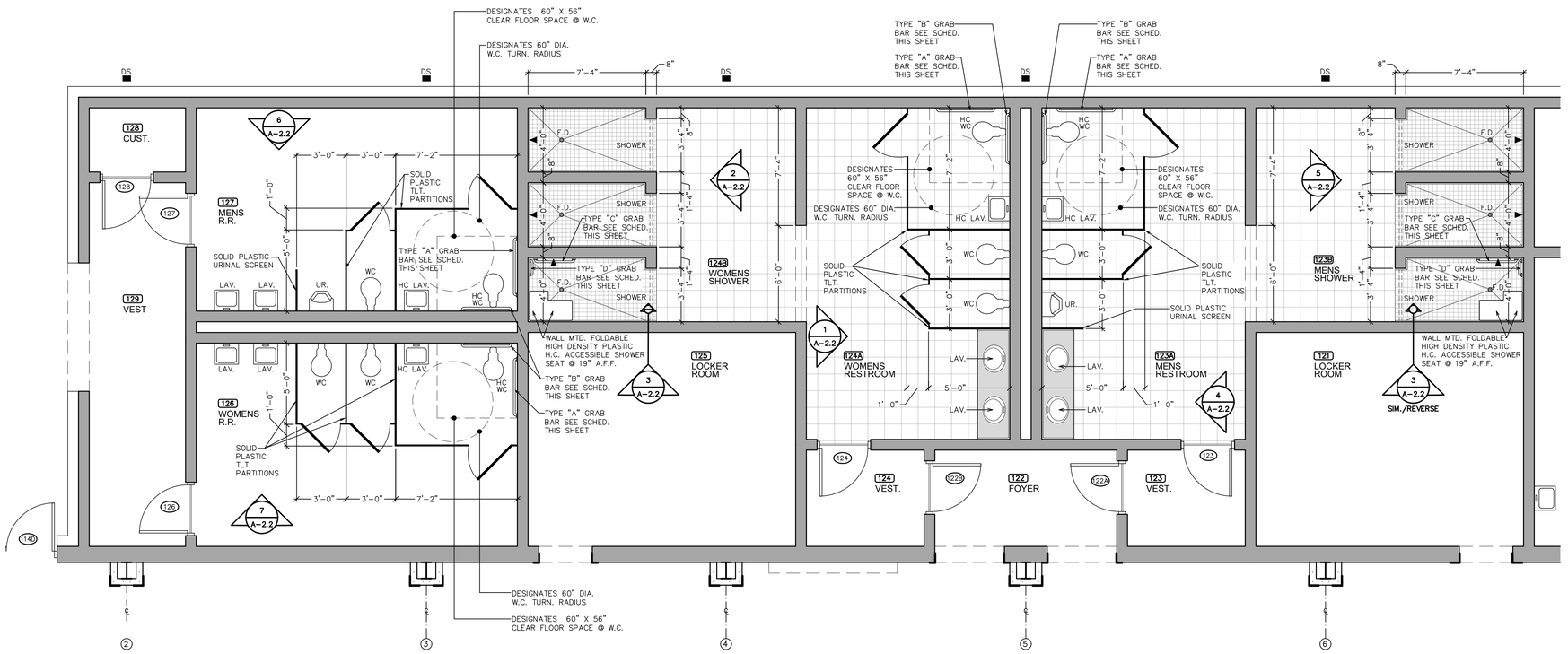
DONOFRO ARCHITECTS
P.O. BOX 861
MARIANNA, FL 32447
FAX: (850) 482-8609
2910 CALEDONIA ST.
MARIANNA, FL 32446
OFFICE: (850) 482-5261

SHEET TITLE: ROOM FINISH SCHEDULE * DOOR SCHEDULE * DOOR & DOOR FRAME TYPES * WINDOW TYPES

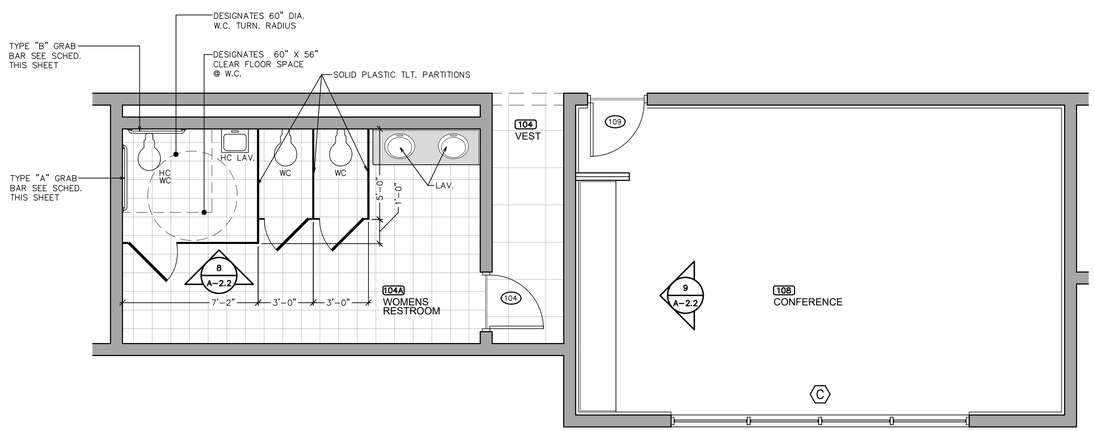
CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION, REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: C.L.D.
CHECKED BY: P.A.D., JR.

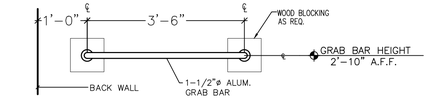
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A-2.0



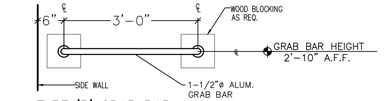
ENLARGED PARTIAL FLOOR PLAN
1/4" = 1'-0"



ENLARGED PARTIAL FLOOR PLAN
1/4" = 1'-0"

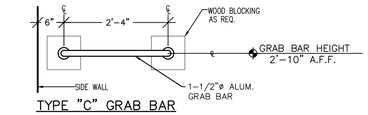


TYPE 'A' GRAB BAR
SIDE WALL



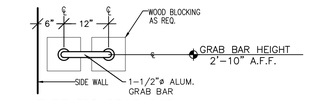
TYPE 'B' GRAB BAR
REAR WALL

GRAB BAR SCHEDULE
NO SCALE
NOTE!
PROVIDE WOOD BLOCKING AS REQ.

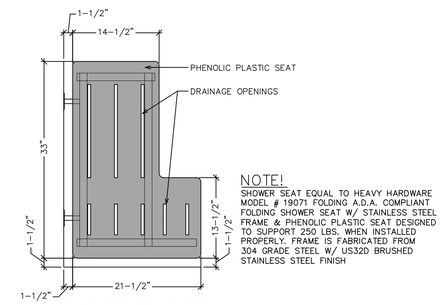


TYPE "C" GRAB BAR

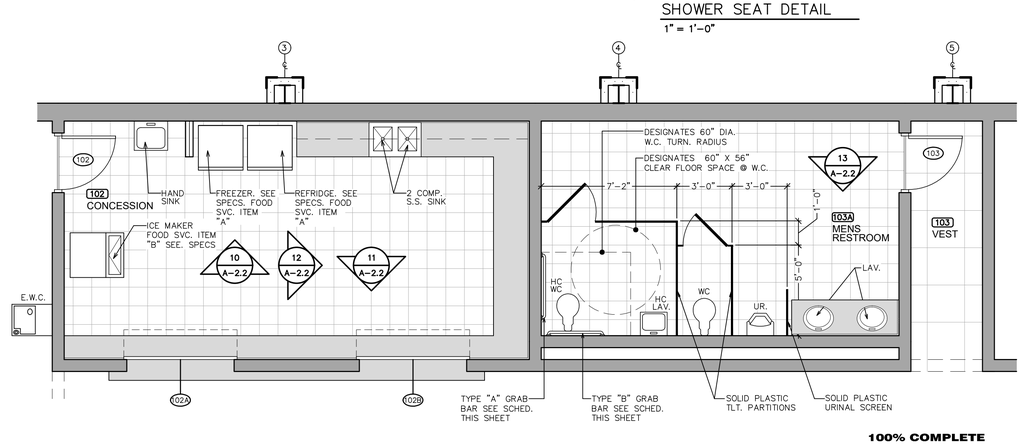
GRAB BAR SCHEDULE
NO SCALE
NOTE!
PROVIDE WOOD BLOCKING AS REQ.



TYPE "D" GRAB BAR



SHOWER SEAT DETAIL
1" = 1'-0"



ENLARGED PARTIAL FLOOR PLAN
1/4" = 1'-0"

100% COMPLETE
BID DOCUMENTS
DONOFRO ARCHITECTS
NOT FOR CONSTRUCTION
SEPTEMBER 4TH, 2025

STATE OF FLORIDA
PAUL A. DONOFRO JR.
00011148
REGISTERED ARCHITECT

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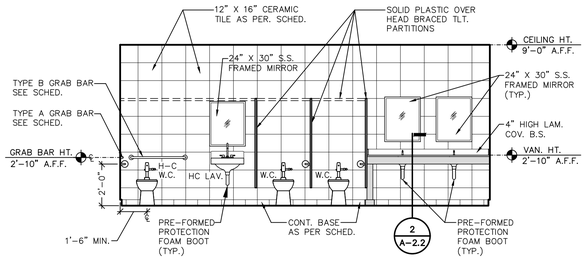
DONOFRO ARCHITECTS
2910 CALEDONIA ST. P.O. BOX 861
MARIANNA, FL 32446 MARIANNA, FL 32447
OFFICE: (850) 482-5261 FAX: (850) 482-8609

SHEET TITLE: ENLARGED PARTIAL FLOOR PLANS

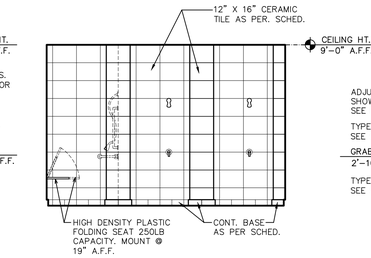
CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
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JOB NUMBER: M-2024-18
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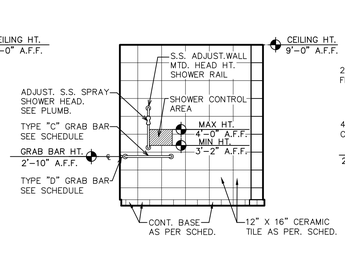
SHEET No.
A-2.1



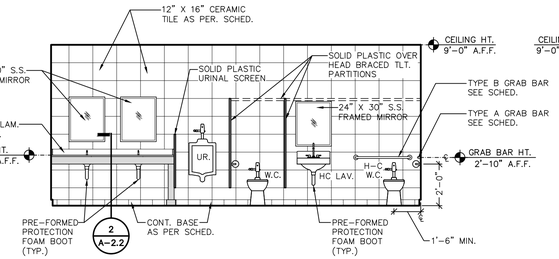
1 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
124A EAST WALL



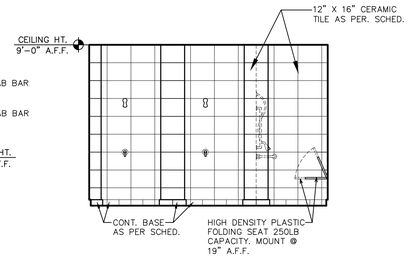
2 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
124B WEST WALL



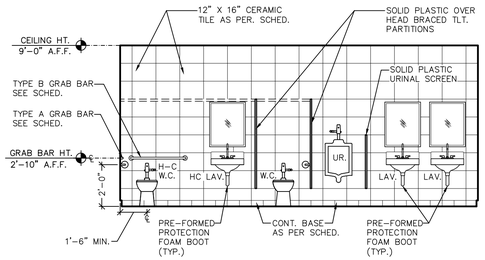
3 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
H/C SHOWER NORTH WALL 124B & H/C SHOWER NORTH WALL 123B (SIM/REV.)



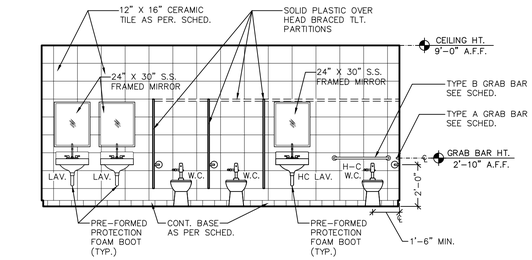
4 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
123A WEST WALL



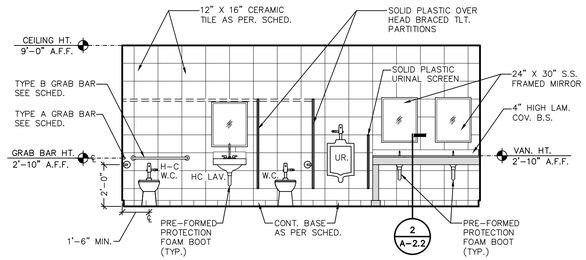
5 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
123B EAST WALL



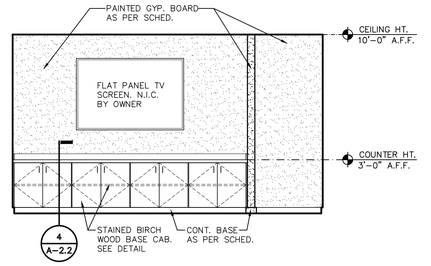
6 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
127 SOUTH WALL



7 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
126 NORTH WALL

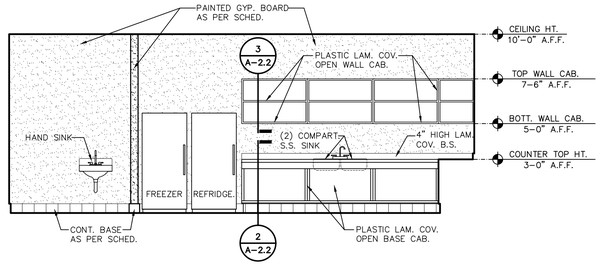


8 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
104A NORTH WALL

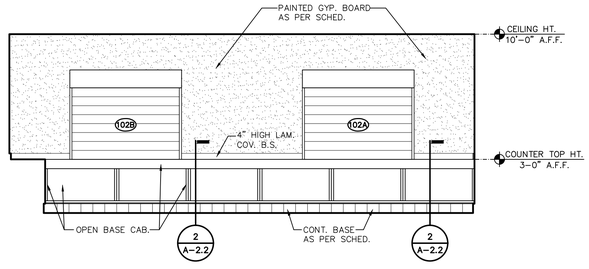


4 A-2.2

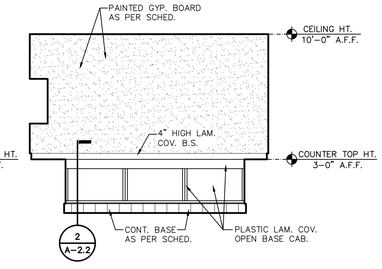
9 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
108 WEST WALL



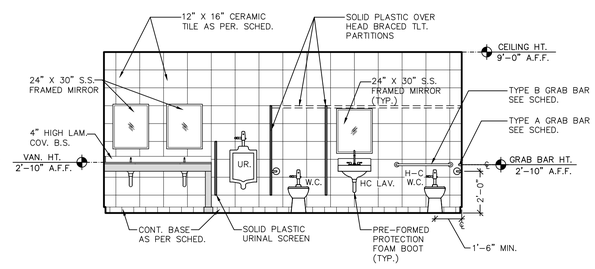
10 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
102 NORTH WALL



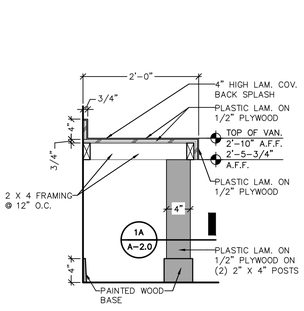
11 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
102 SOUTH WALL



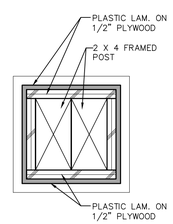
12 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
102 EAST WALL



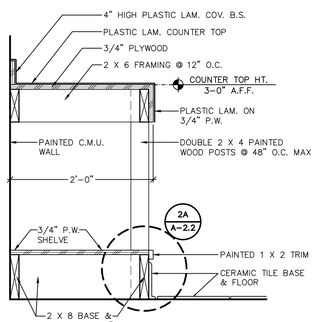
13 A-2.2 INTERIOR ELEVATION
1/4"= 1'-0"
103A SOUTH WALL



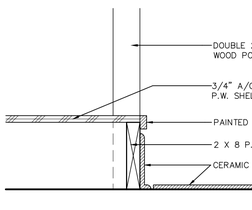
1 A-2.2 VANITY SECTION
1"=1'-0"



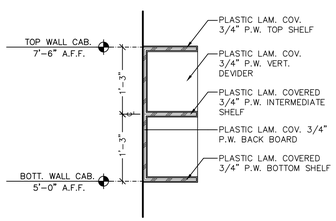
1A A-2.2 POST DETAIL
3"=1'-0"



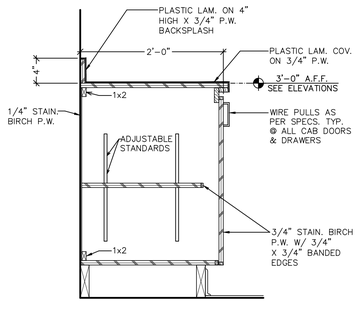
2 A-2.2 BASE CAB. SECTION
1"= 1'-0"



2A A-2.2 DETAIL
1-1/2"= 1'-0"



3 A-2.2 WALL CAB. SECTION
3/4"= 1'-0"



4 A-2.2 BASE CAB. SECTION
1" = 1'-0"

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SEPTEMBER 4TH, 2025

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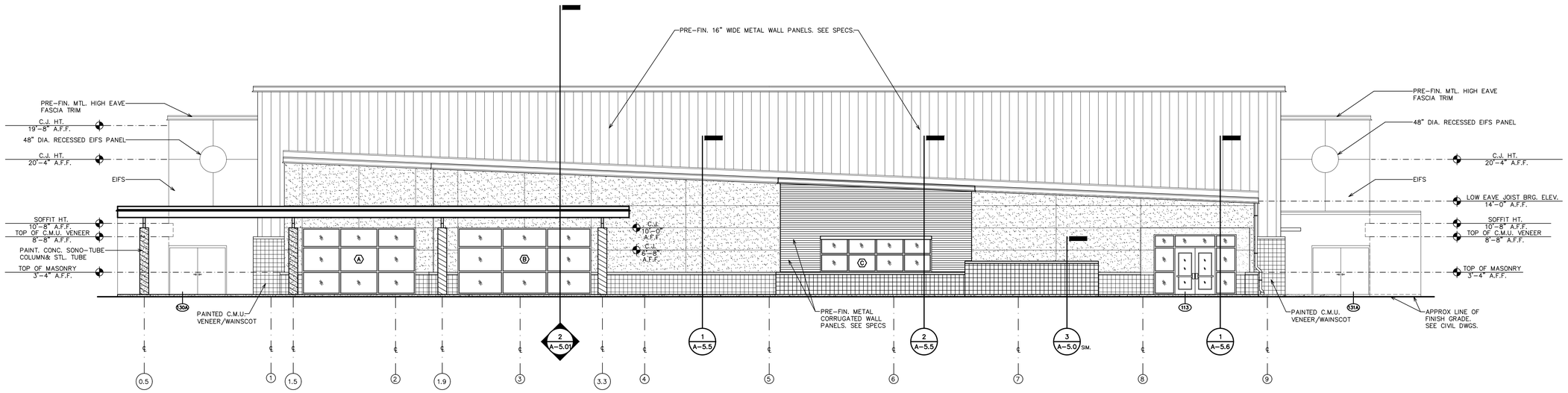
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MARIANNA, FL 32446
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SHEET TITLE: INTERIOR ELEVATIONS * SECTIONS * DETAILS

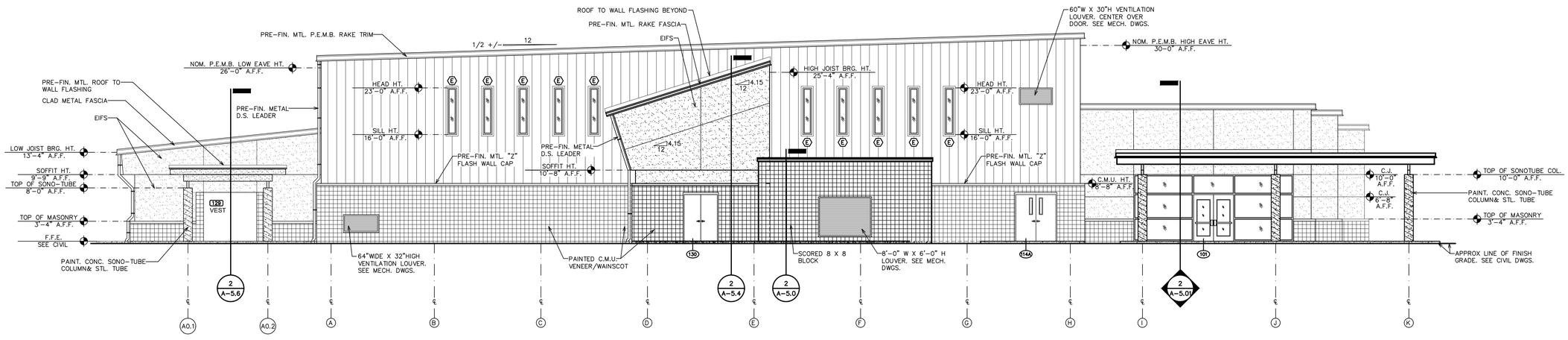
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FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION, REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: C.L.D.
CHECKED BY: P.A.D., JR.

SHEET No.
A-2.2



1 A-3.0 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"



2 A-3.0 WEST EXTERIOR ELEVATION
1/8" = 1'-0"

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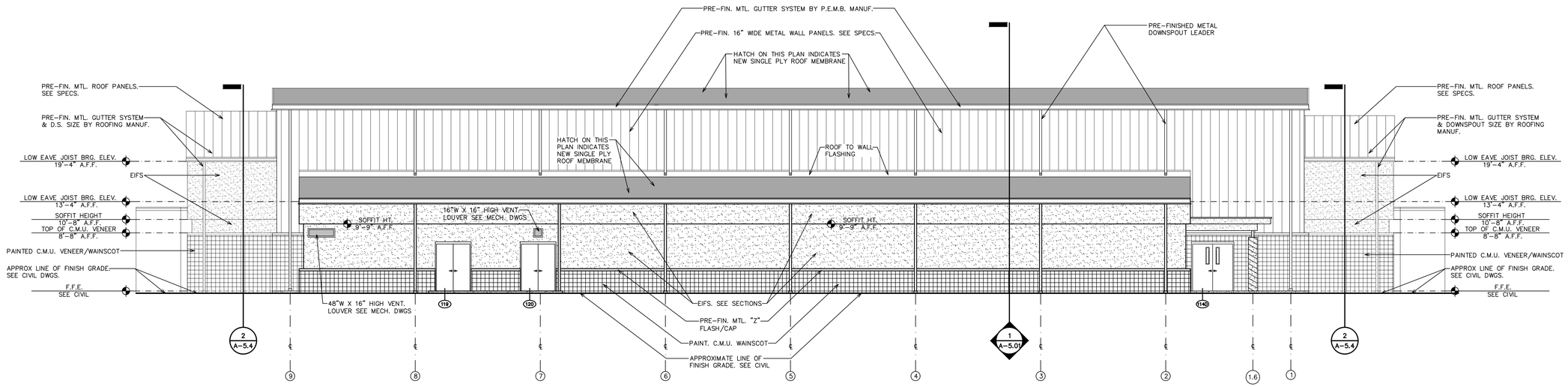
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MARIANNA, FL 32446 FAX: (850) 482-8609
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SHEET TITLE: EXTERIOR ELEVATIONS

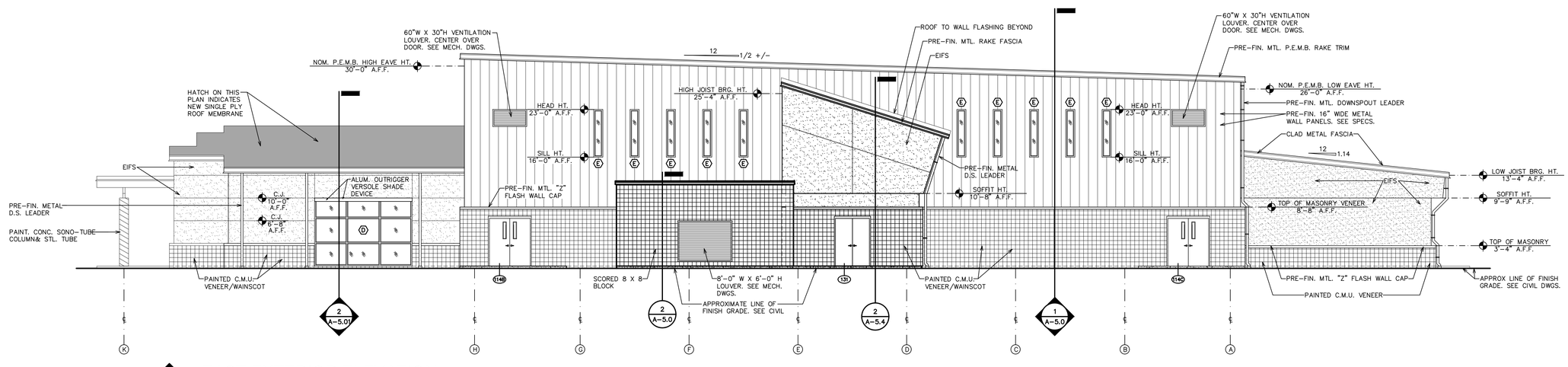
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CHECKED BY: P.A.D., JR.

SHEET No.
A-3.0



1 A-3.1 NORTH EXTERIOR ELEVATION
1/8" = 1'-0"



2 A-3.1 EAST EXTERIOR ELEVATION
1/8" = 1'-0"

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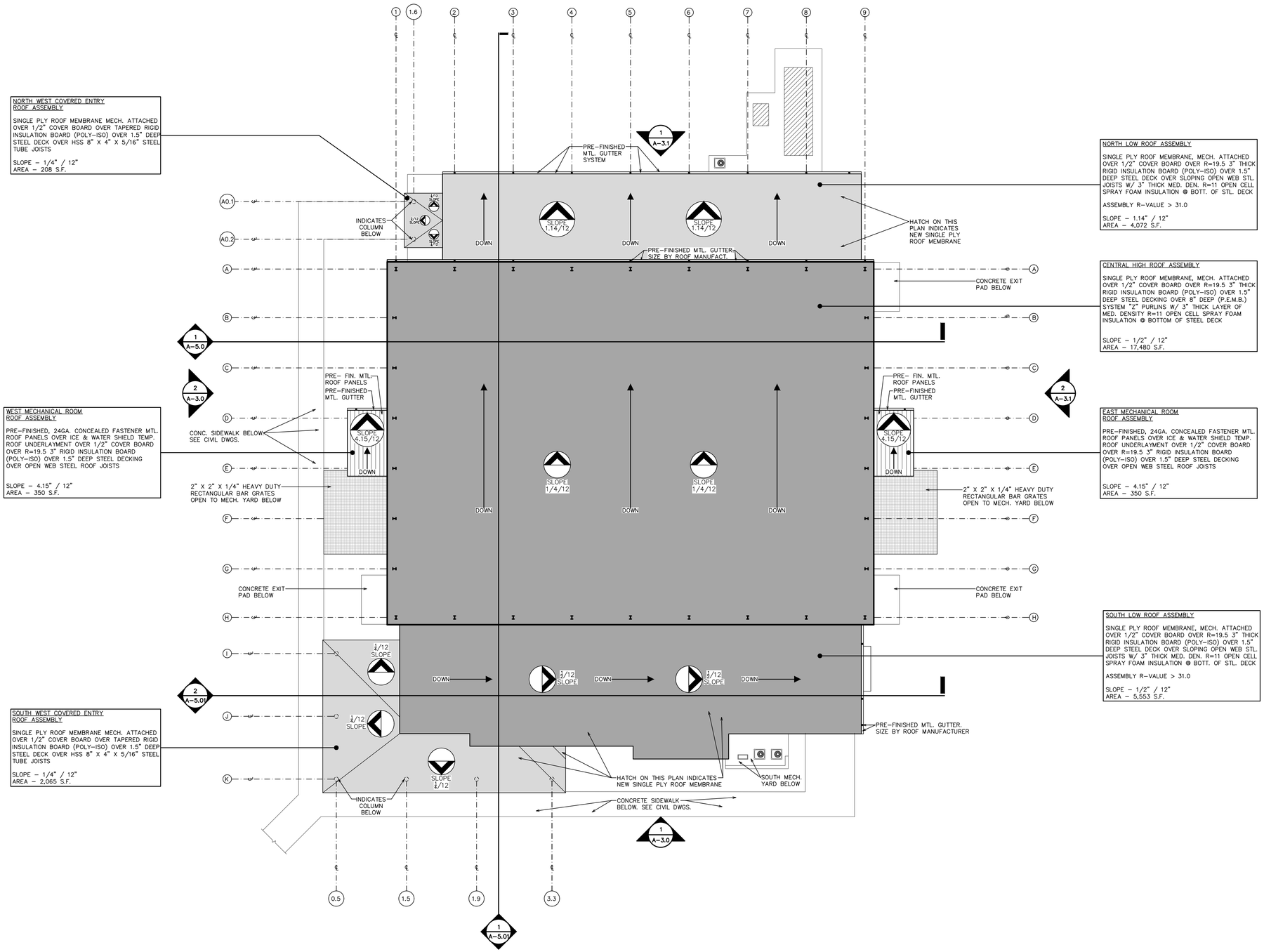
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SHEET TITLE: EXTERIOR ELEVATIONS

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SHEET No.
A-3.1



ROOF PLAN

1/16" = 1'-0"

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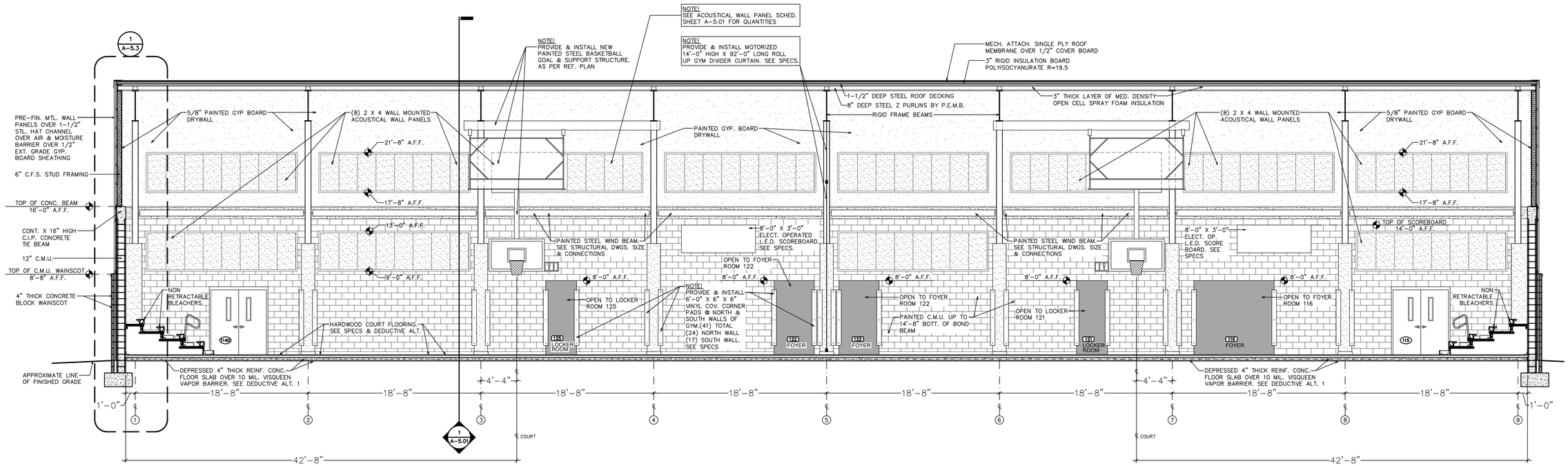
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SHEET TITLE: ROOF PLAN

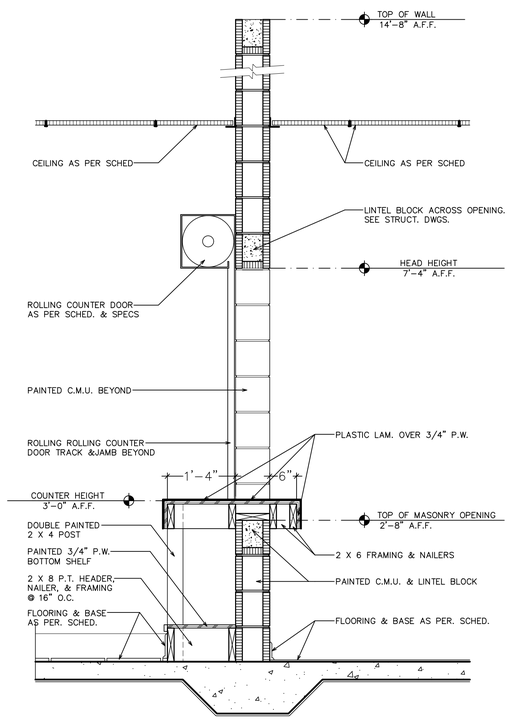
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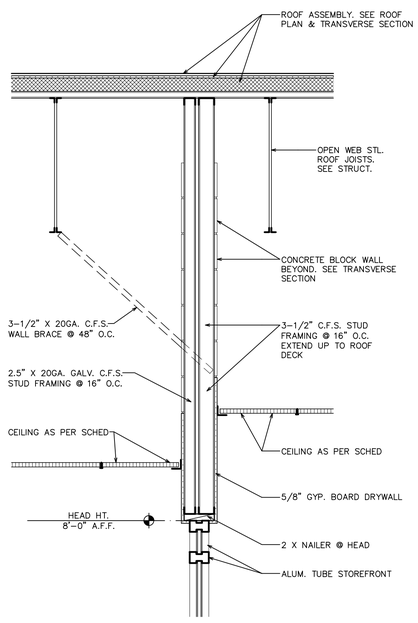
SHEET No.
A-4.0



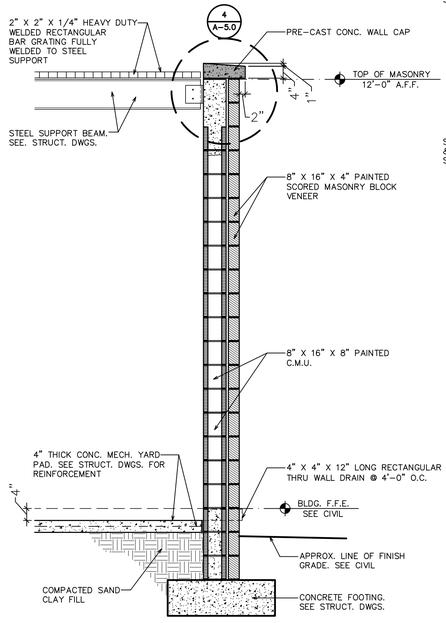
TRANSVERSE SECTION
3/16" = 1'-0"



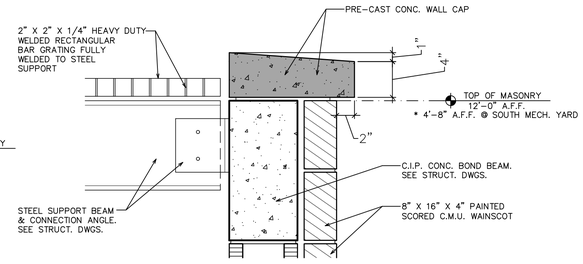
INTERIOR WALL SECTION
3/4" = 1'-0"



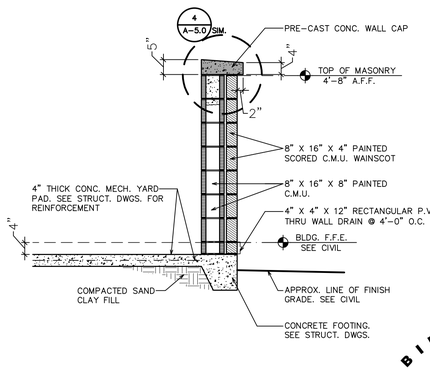
INTERIOR WALL SECTION
3/4" = 1'-0"



MECH. YARD SCREEN WALL SECTION
1/2" = 1'-0"



DETAIL
1-1/2" = 1'-0"



MECH. YARD SCREEN WALL SECTION
1/2" = 1'-0"

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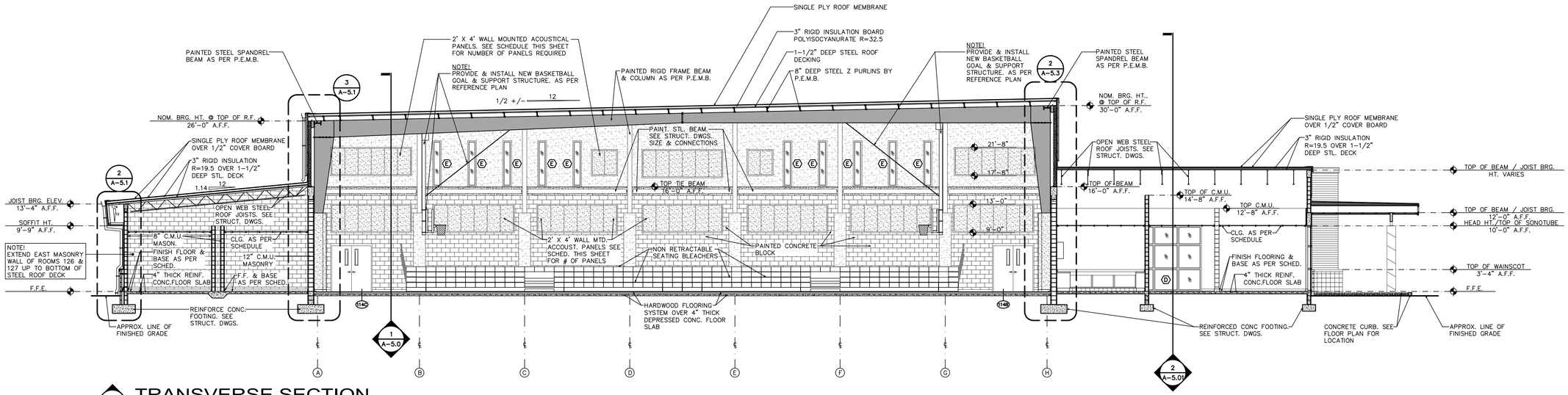
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SHEET TITLE: TRANSVERSE SECTION * SECTIONS * DETAILS

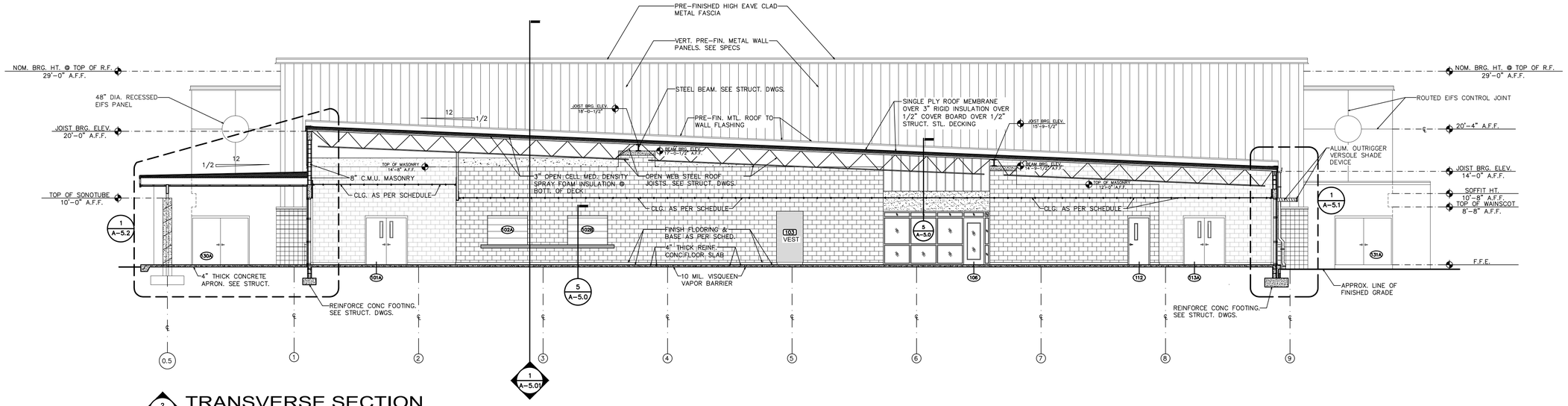
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SHEET No.
A-5.0



TRANSVERSE SECTION
1/8" = 1'-0"



TRANSVERSE SECTION
1/8" = 1'-0"

ACOUSTICAL WALL PANEL SCHEDULE

LOCATION	NO. OF PANELS REQ'D	SIZE OF PANELS	REMARKS
EAST WALL GYMNASIUM 114	64 PANELS	2'-0" WIDE X 4'-0" TALL	SEE TRANSVERSE SECTION 1 A-5.01 FOR LOCATIONS
WEST WALL GYMNASIUM 114	64 PANELS	2'-0" WIDE X 4'-0" TALL	LOCATION OF PANELS SIM. TO EAST WALL ROOM 114
NORTH WALL GYMNASIUM 114	80 PANELS	2'-0" WIDE X 4'-0" TALL	SEE TRANSVERSE SECTION 1 A-5.0 FOR LOCATIONS
SOUTH WALL GYMNASIUM 114	80 PANELS	2'-0" WIDE X 4'-0" TALL	LOCATION OF PANELS SIM. TO NORTH WALL ROOM 114

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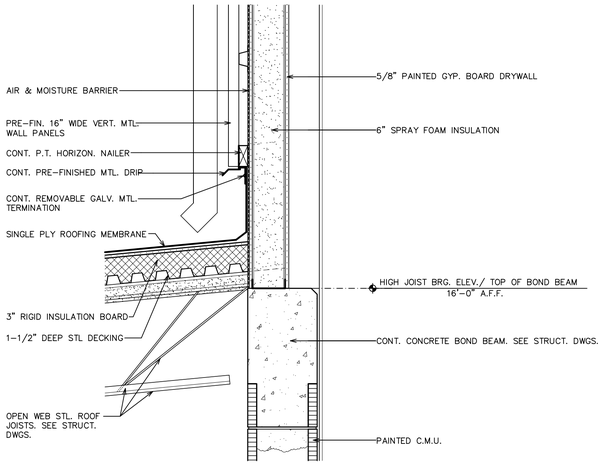
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SHEET TITLE: TRANSVERSE SECTIONS * ACOUSTICAL PANEL SCHEDULE

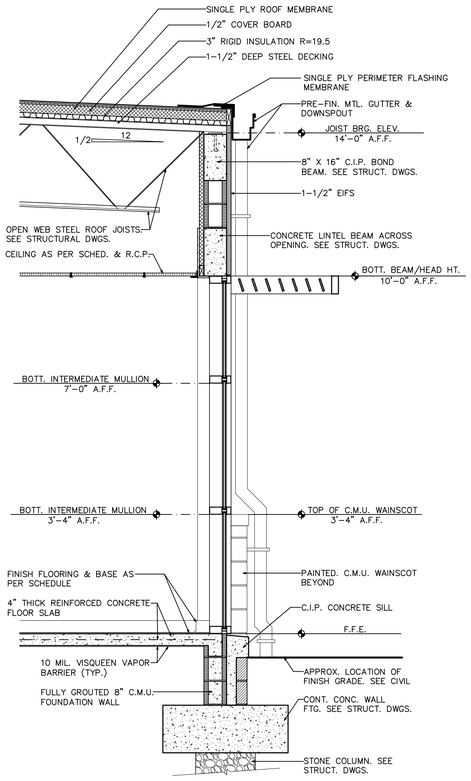
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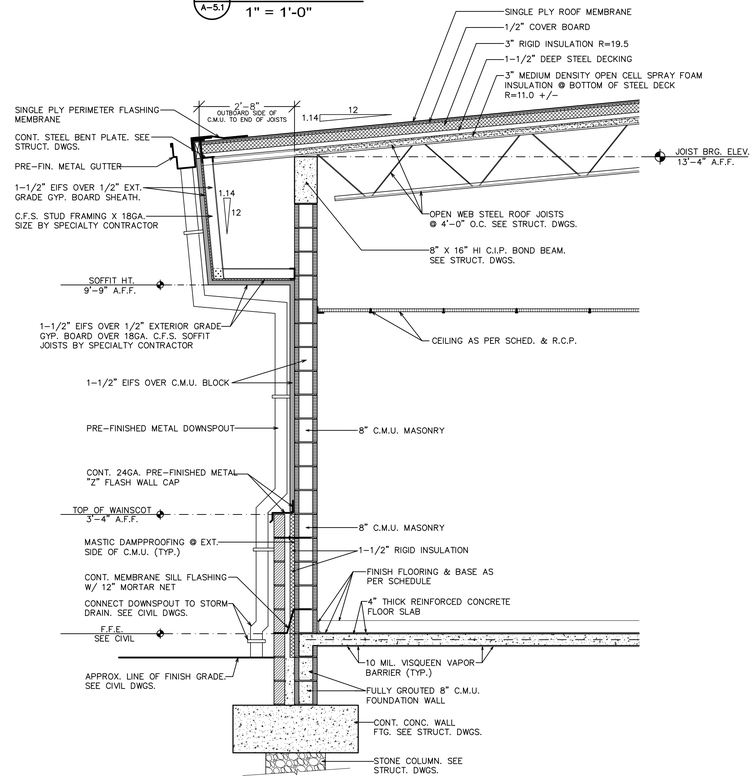
SHEET No.
A-5.01



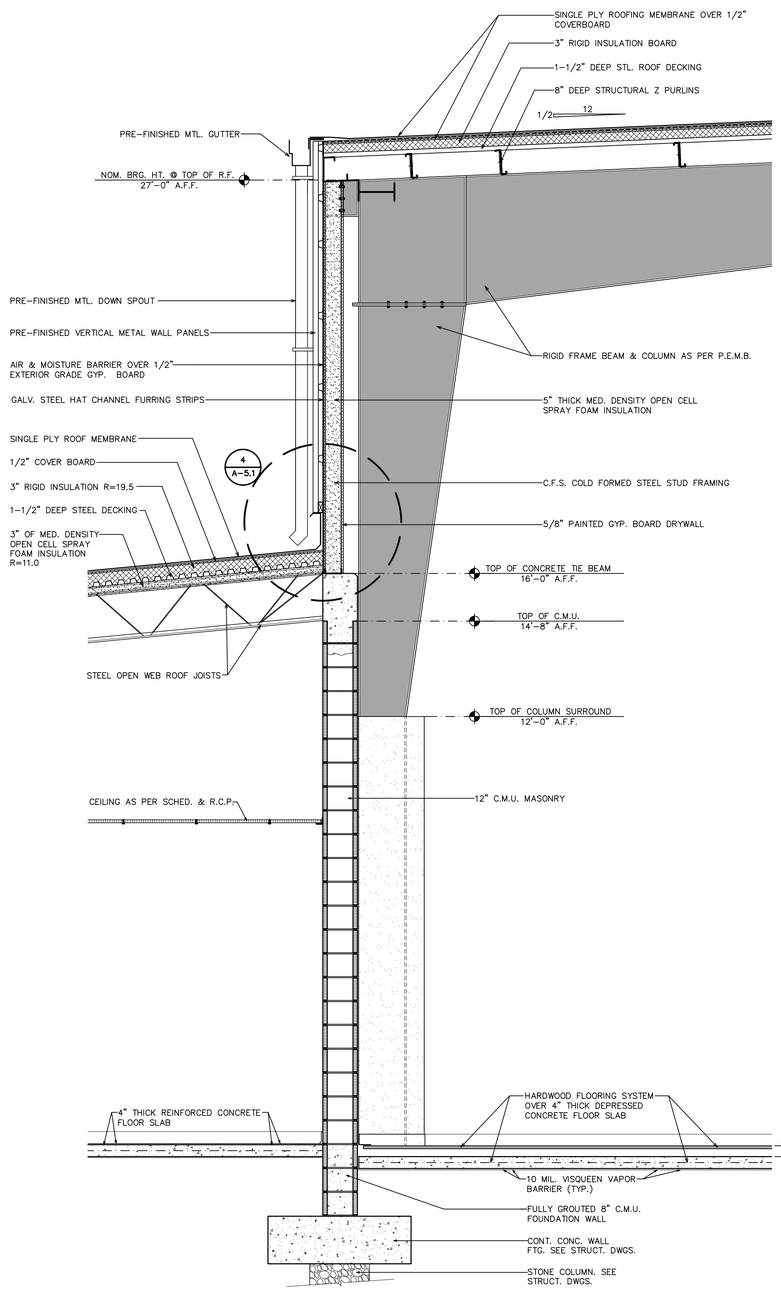
4/A-5.1 **DETAIL**
1" = 1'-0"



1/A-5.1 **WALL SECTION**
1/2" = 1'-0"



2/A-5.1 **WALL SECTION**
1/2" = 1'-0"



3/A-5.1 **WALL SECTION**
1/2" = 1'-0"

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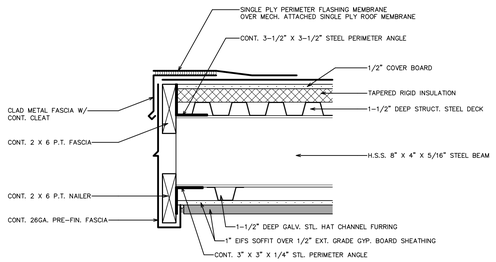
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SHEET TITLE: WALL SECTIONS * DETAILS

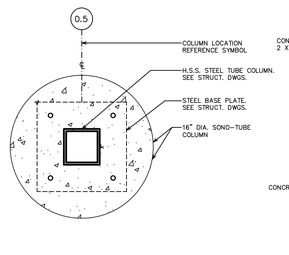
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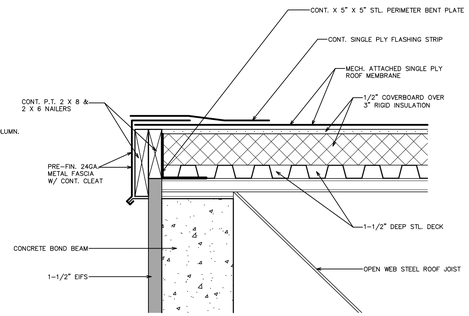
SHEET No.
A-5.1



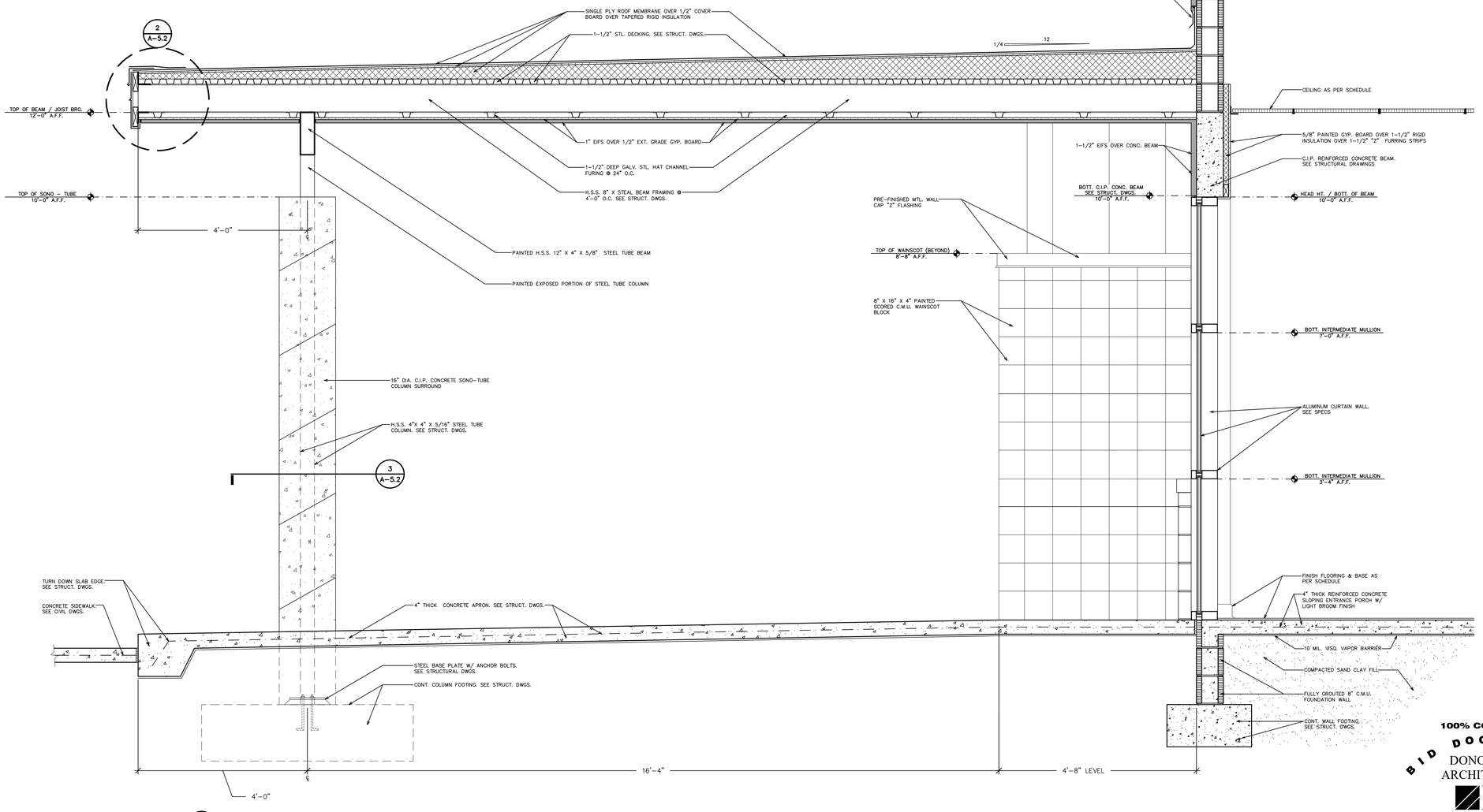
2 A-5.2 FASCIA DETAIL
1-1/2" = 1'-0"



3 A-5.2 COLUMN DETAIL
1-1/2" = 1'-0"



4 A-5.2 DETAIL
1-1/2" = 1'-0"



1 A-5.2 CONSTRUCTION SECTION
3/4" = 1'-0"

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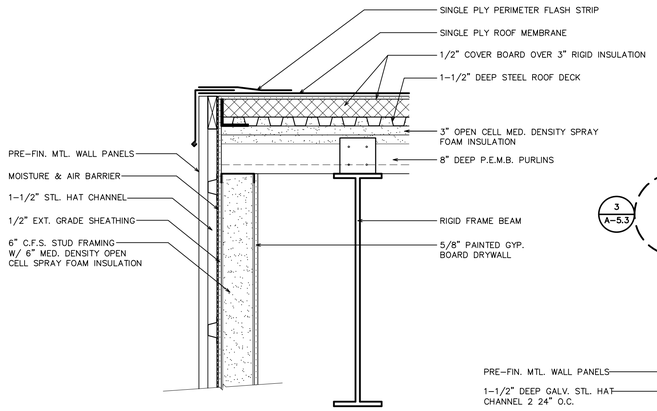
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MARIANNA, FL 32447
FAX: (850) 482-8609

SHEET TITLE: CONSTRUCTION SECTION * DETAILS

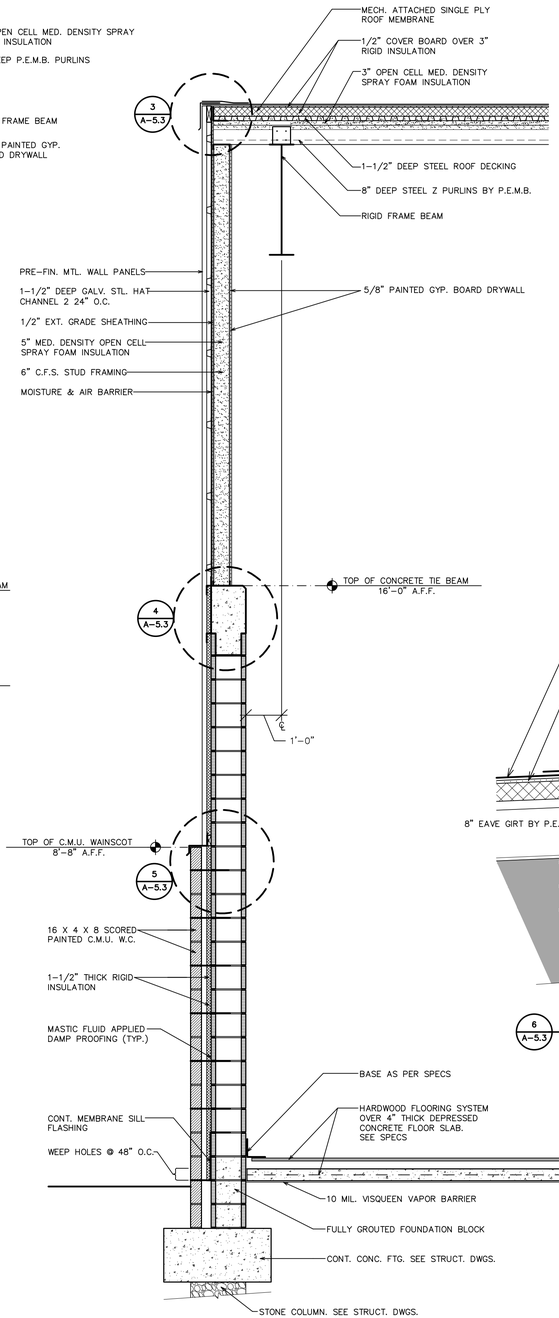
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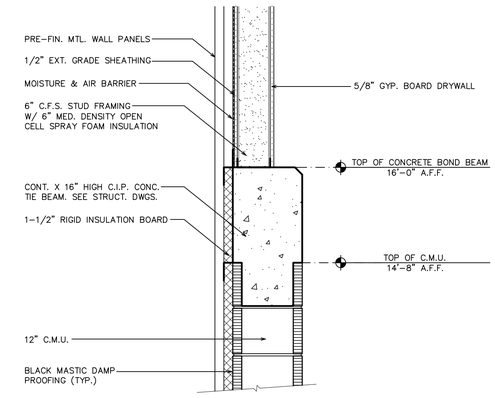
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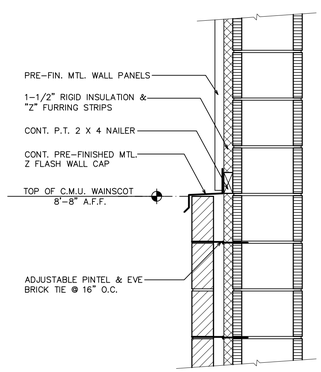
3 A-5.3 **DETAIL**
1" = 1'-0"



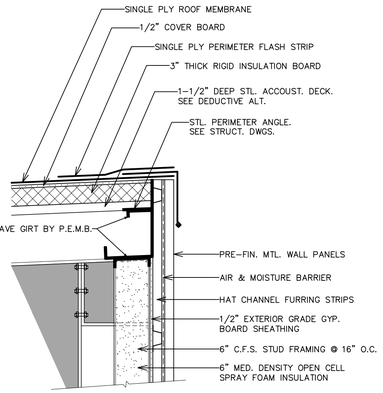
1 A-5.3 **WALL SECTION**
1/2" = 1'-0"



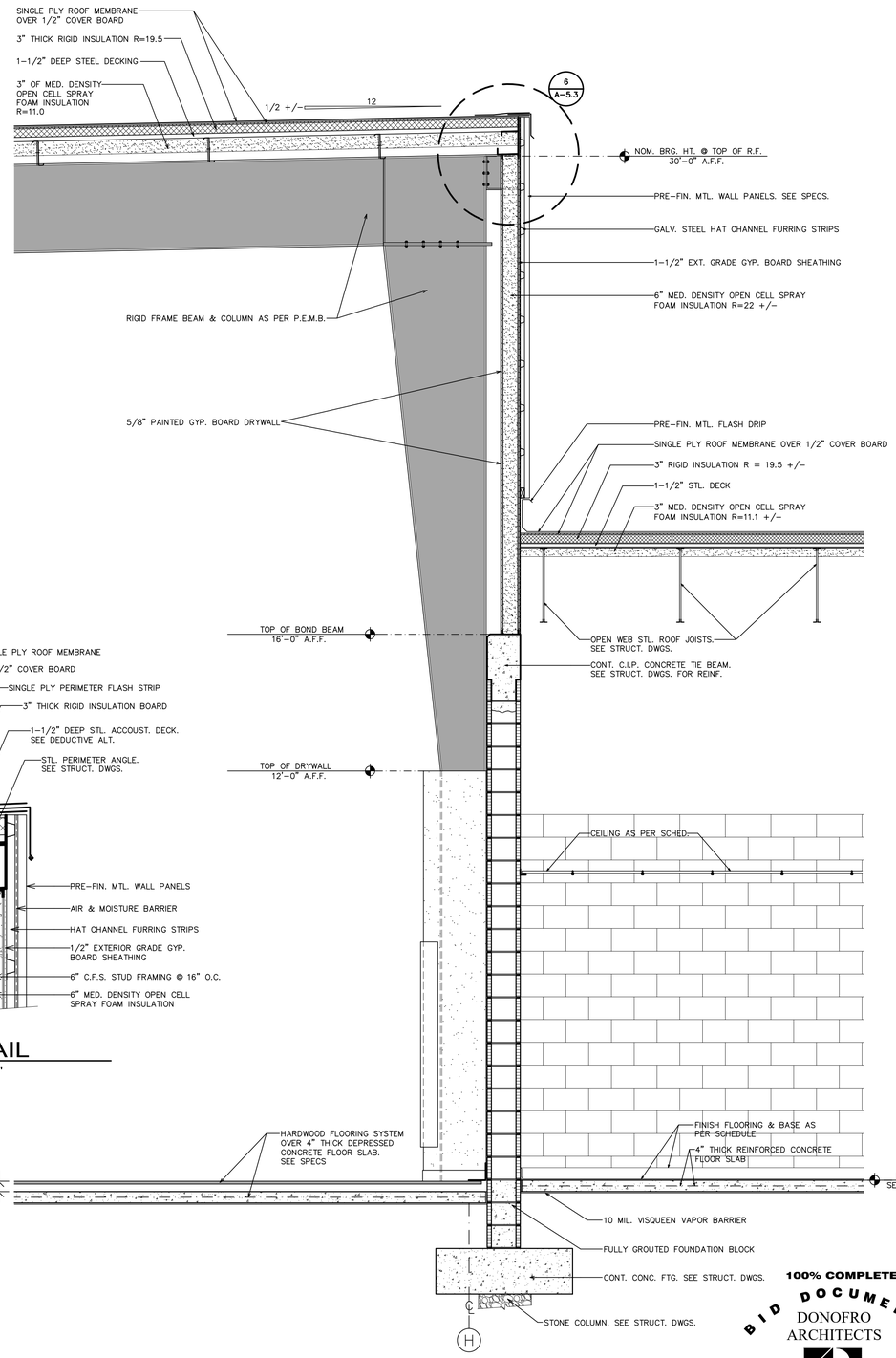
4 A-5.3 **DETAIL**
1" = 1'-0"



5 A-5.3 **DETAIL**
1" = 1'-0"



6 A-5.3 **DETAIL**
1" = 1'-0"



2 A-5.3 **WALL SECTION**
1/2" = 1'-0"

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SEPTEMBER 4TH, 2025

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PAUL A. DONOFRO JR.
00011148
REGISTERED ARCHITECT

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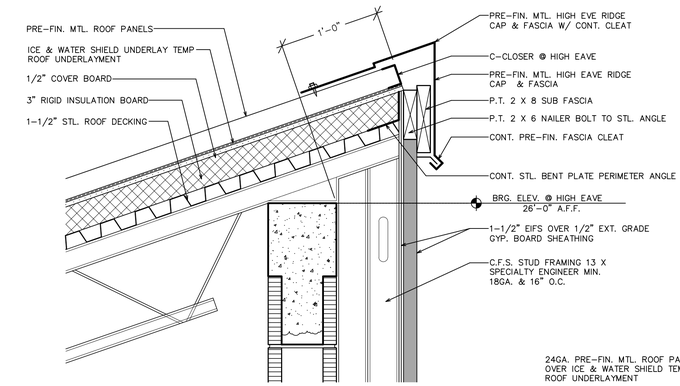
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MARIANNA, FL 32446 MARIANNA, FL 32447
OFFICE: (850) 482-5261 FAX: (850) 482-8609

SHEET TITLE: WALL SECTIONS * DETAILS

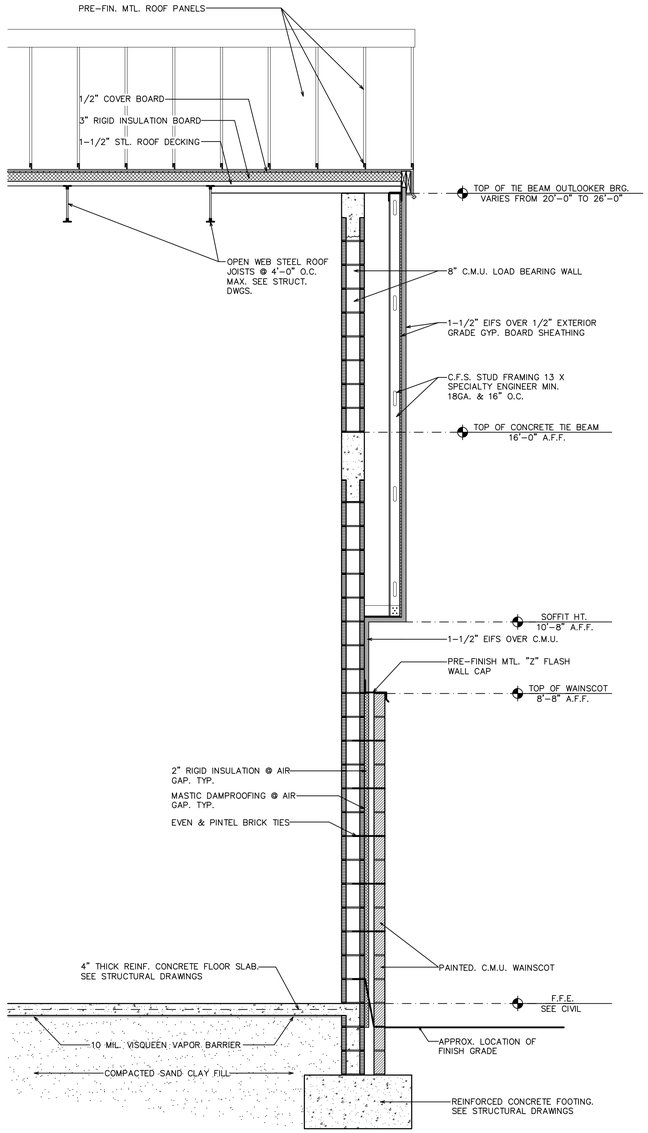
CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: C.L.D.
CHECKED BY: P.A.D., JR.

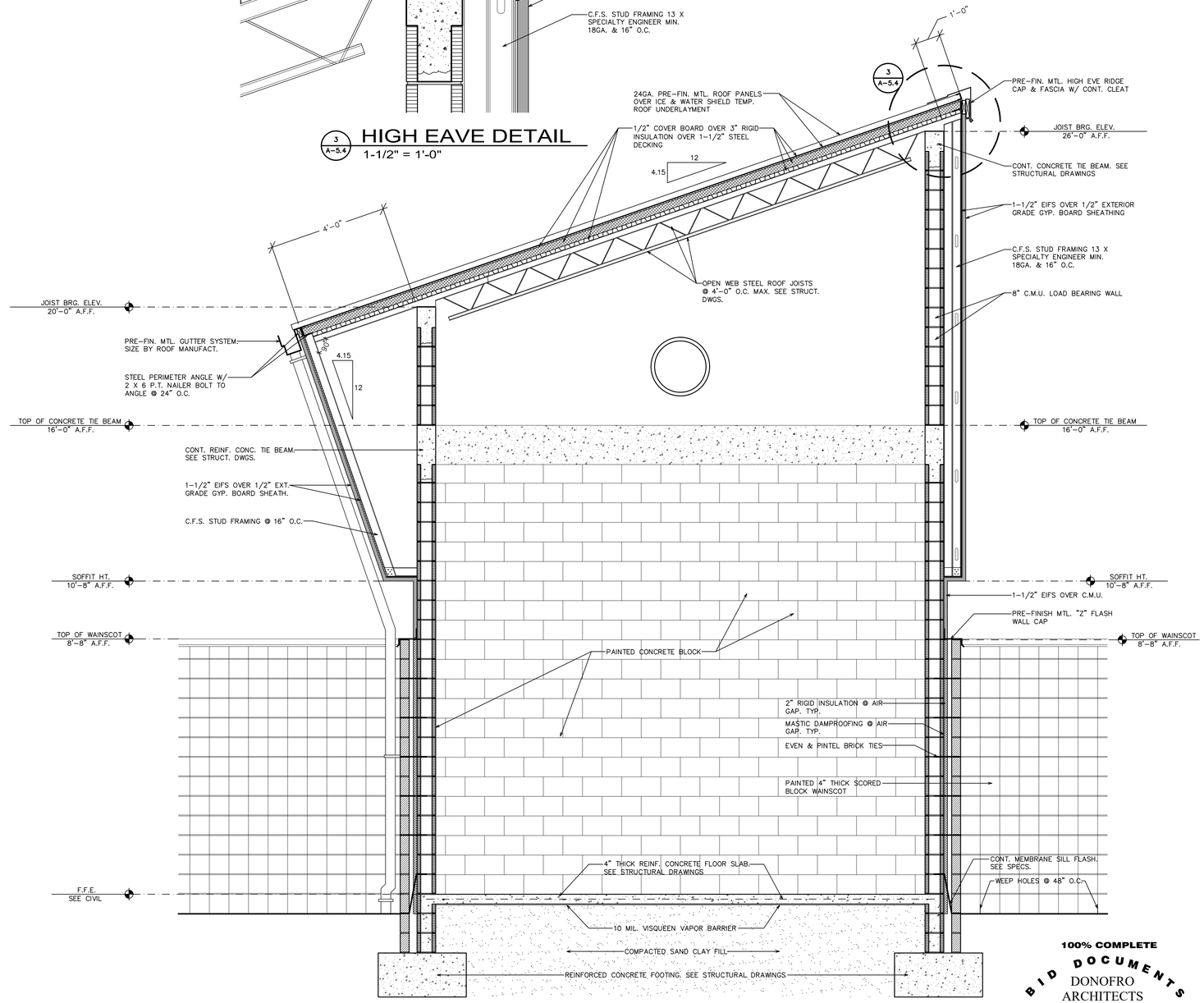
SHEET No.
A-5.3



3 A-5.4 **HIGH EAVE DETAIL**
1-1/2" = 1'-0"



1 A-5.4 **WALL SECTION**
1/2" = 1'-0"



2 A-5.4 **CONSTRUCTION SECTION**
1/2" = 1'-0"

100% COMPLETE BID DOCUMENTS
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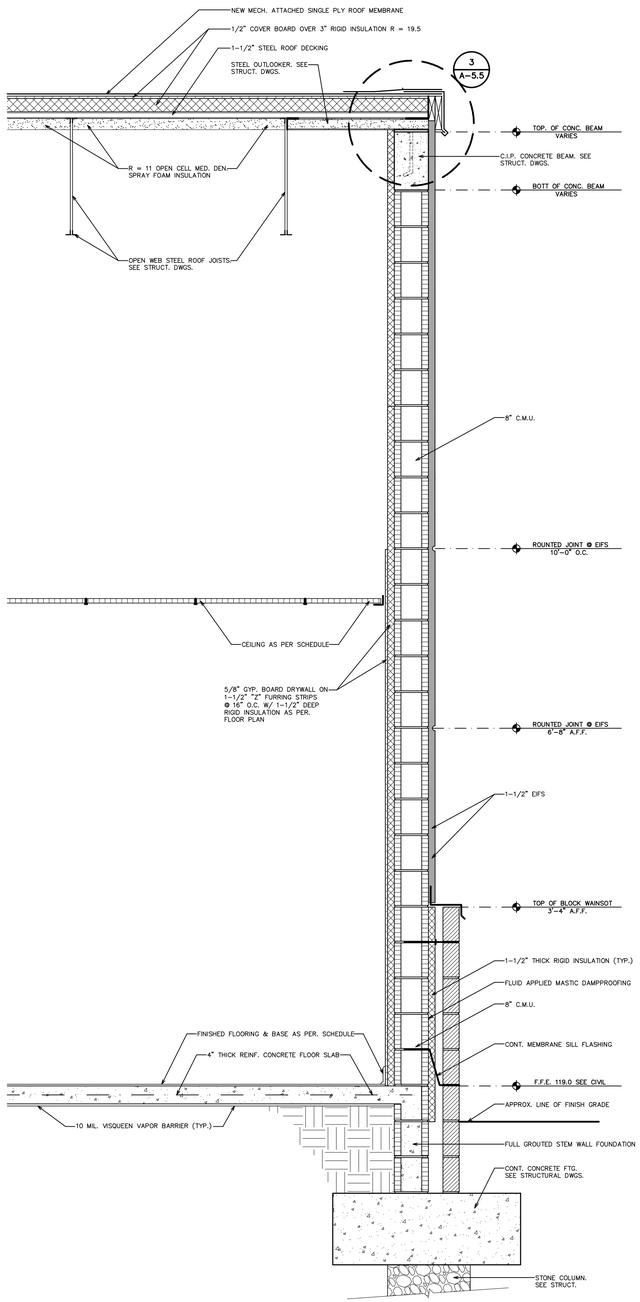
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SHEET TITLE: CONSTRUCTION SECTIONS * WALL SECTIONS * DETAILS

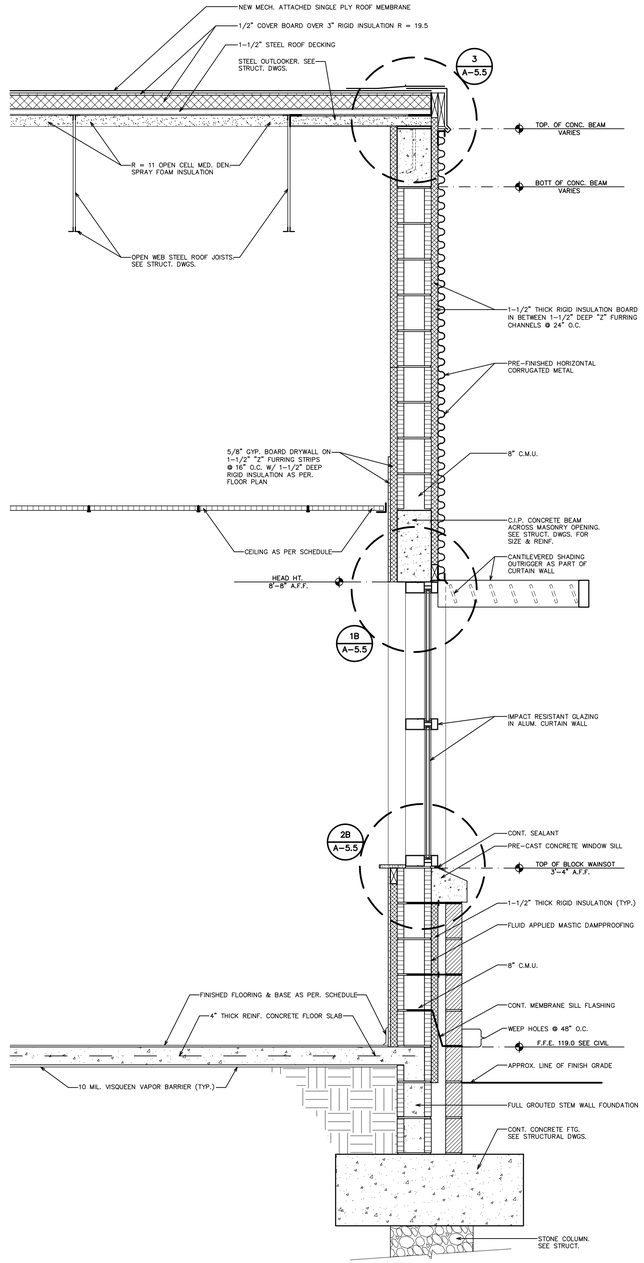
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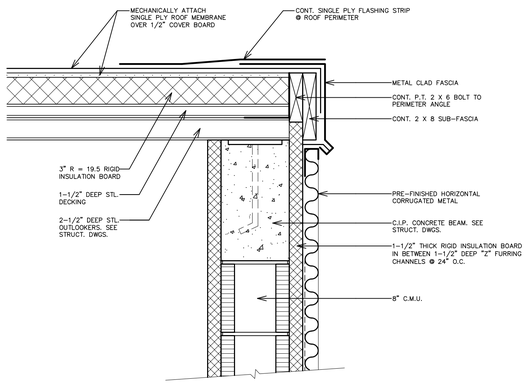
SHEET No.
A-5.4



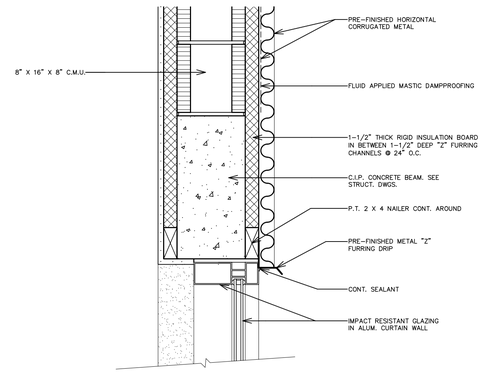
2 A-5.5 CONSTRUCTION SECTION
3/4" = 1'-0"



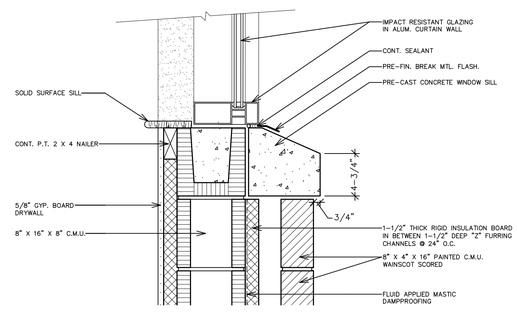
2 A-5.5 CONSTRUCTION SECTION
3/4" = 1'-0"



3 A-5.5 RAKE EAVE DETAIL
1-1/2" = 1'-0"



1B A-5.5 HEAD DETAIL
1-1/2" = 1'-0"



2B A-5.5 SILL DETAIL
1-1/2" = 1'-0"

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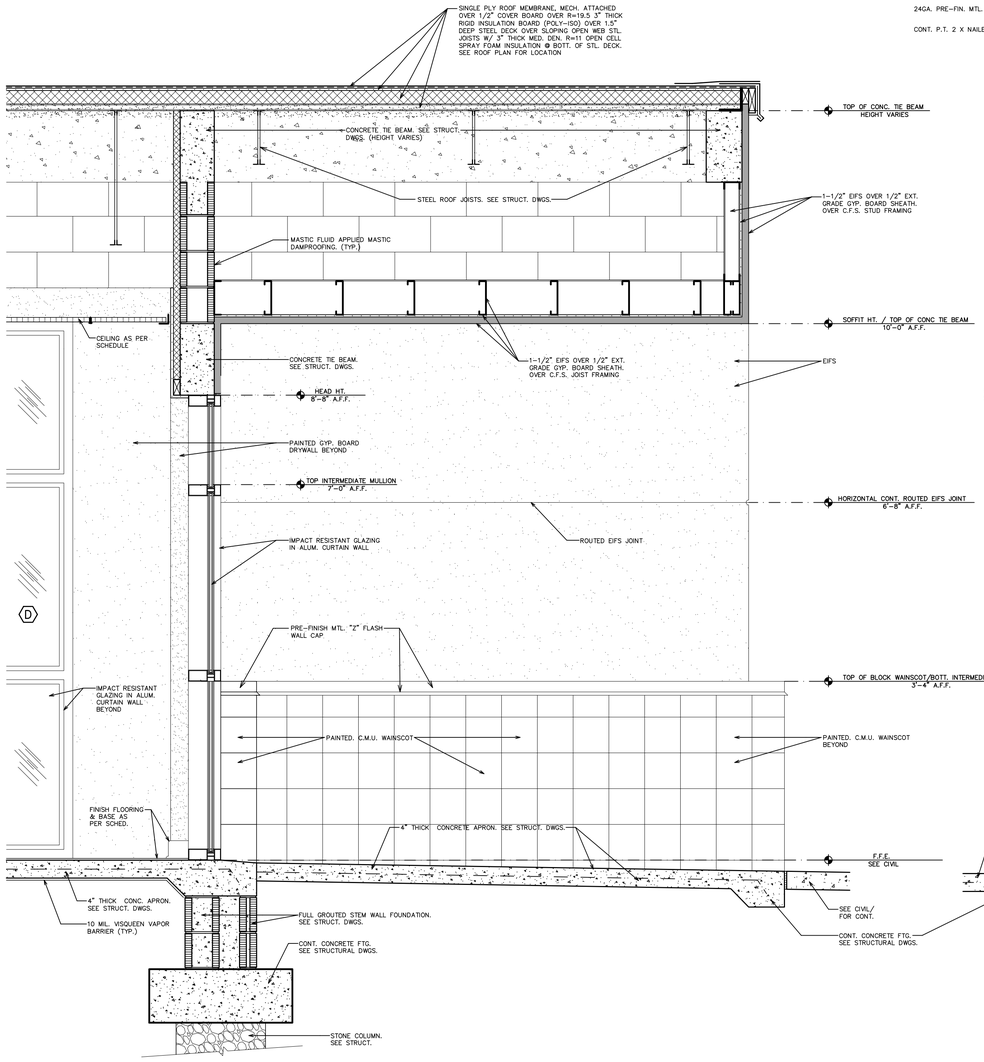
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SHEET TITLE: WALL SECTIONS * DETAILS

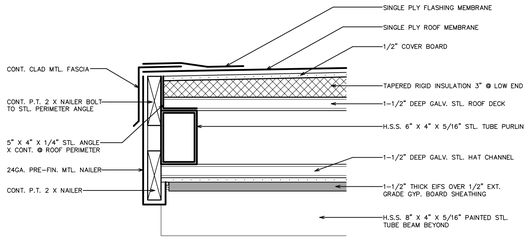
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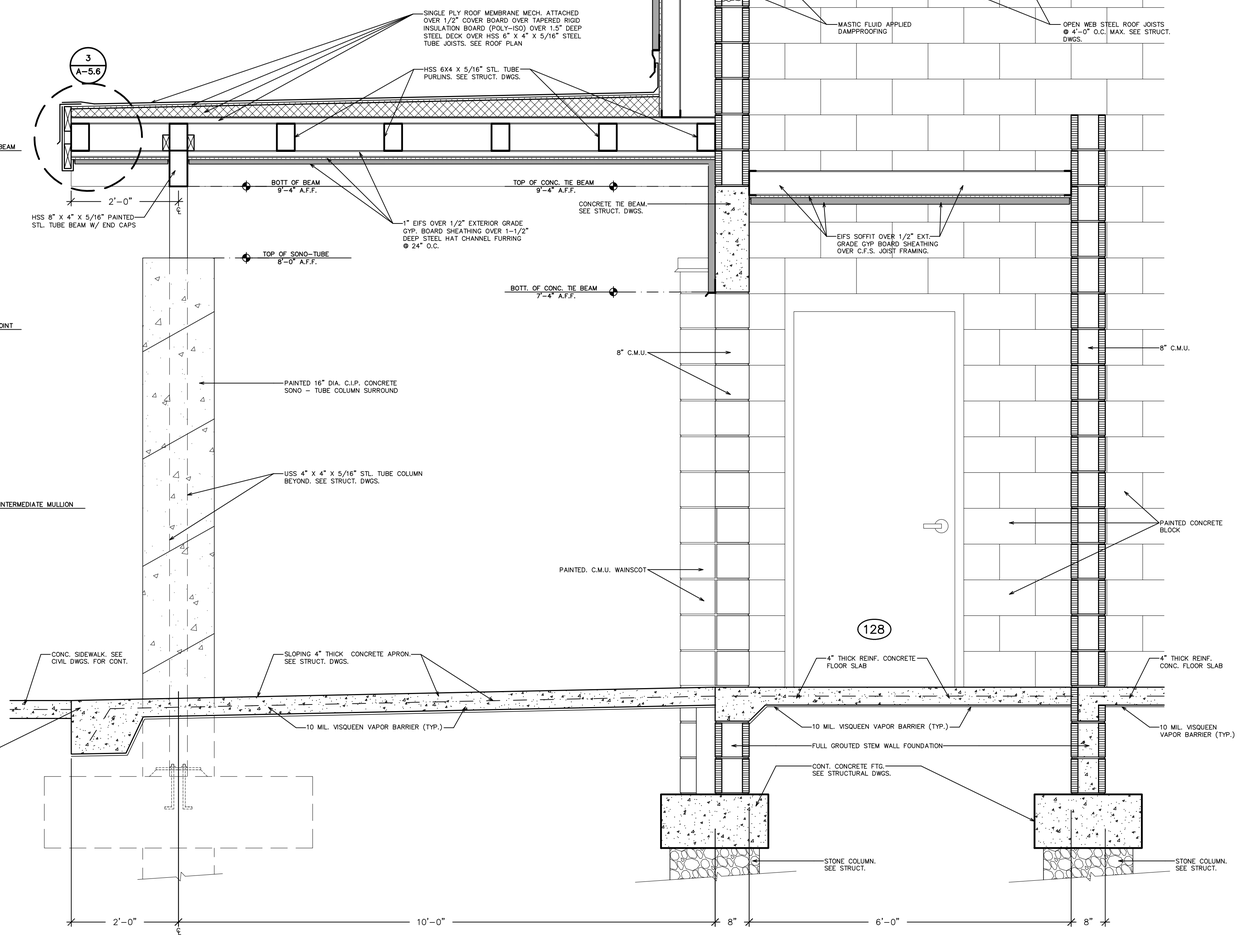
SHEET No.
A-5.5



1 A-5.6 CONSTRUCTION SECTION
3/4" = 1'-0"



3 A-5.6 FASCIA DETAIL
1-1/2" = 1'-0"



2 A-5.6 CONSTRUCTION SECTION
3/4" = 1'-0"

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SHEET TITLE: CONSTRUCTION SECTIONS *

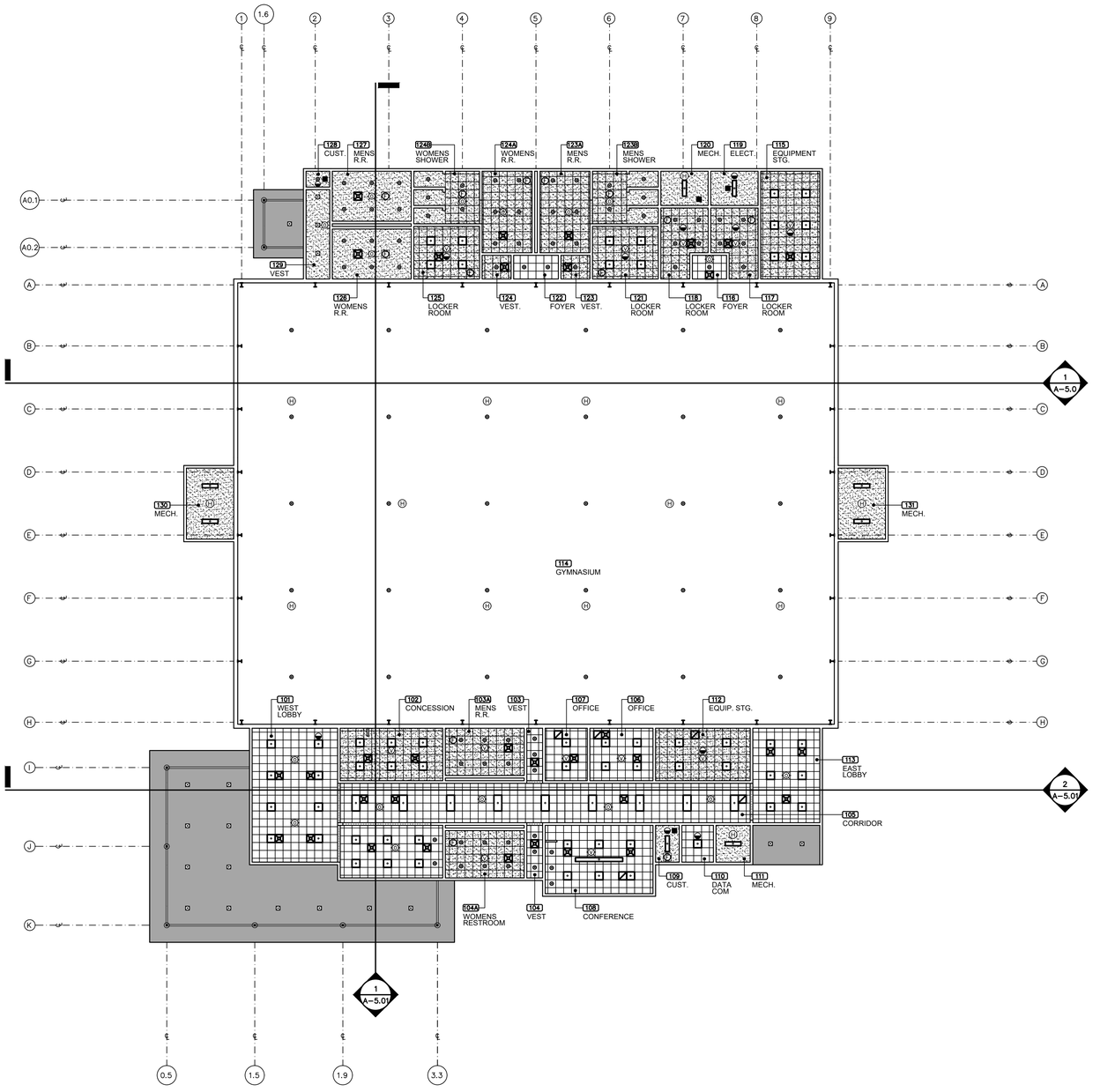
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SHEET No.
A-5.6

REFLECTED CEILING PLAN LEGEND

- INDICATES NEW GYP. BOARD CEILING SYSTEM. SEE SCHEDULE
- INDICATES NEW 2' X 2' SUSPENDED MTL. GRID & ACOUSTICAL TILE CEILING SYSTEM
- INDICATES NEW 2' X 2' SUSPENDED MTL. GRID & VINYL COVERED GYP. BOARD TILE CEILING SYSTEM
- INDICATES EIFS SOFFIT
- INDICATES LOCATION OF BULKHEAD
- EXHAUST FAN, SEE HVAC PLAN
- CLG. MTG. VACANCY SENSOR. SEE ELECT. DWGS
- CLG. MTG. OCCUPANCY SENSOR. SEE ELECT. DWGS
- DAY LIGHT SENSOR. SEE-ELECT. DWGS
- CEILING MTD. EXIT LIGHT W/ DIRECTIONAL ARROWS & BATTERY BACK UP SEE ELECT.
- CEILING MTD. EXIT LIGHT W/ BATTERY BACK UP SEE ELECT.
- CEILING MTD. FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR. SEE ELECT. DWGS
- CEILING MTD. AUTOMATIC HEAT DETECTOR. SEE ELECT. DWGS.
- DATA SYSTEM CEILING OUTLET. SEE ELECT. DWGS
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECTRICAL
- LIGHT FIXTURE, SEE ELECT.
- HVAC DIFFUSERS, SEE HVAC PLAN
- RETURN AIR, SEE HVAC PLAN



N

REFLECTED CEILING PLAN
1/16" = 1'-0"

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SHEET TITLE: REFLECTED CEILING PLAN * LEGEND

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SHEET No.
A-6.0

GENERAL NOTES

1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE ON OR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.

3. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURES. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK AND CONNECTIONS HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY, AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES, AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

5. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO APPROVAL BY THE ENGINEER.

6. ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE, AND ERECTION IN ACCORDANCE WITH THE SUPPLIER'S INSTRUCTIONS AND REQUIREMENTS.

7. LOADING APPLIED TO THE STRUCTURES DURING THE PROCESS OF CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADINGS USED IN THE DESIGN OF THIS STRUCTURE ARE INDICATED IN THE "DESIGN CRITERIA NOTES". DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS CONNECTED TOGETHER AND UNTIL ALL TEMPORARY BRACING IS IN PLACE.

8. ALL ASTM AND OTHER REFERENCES ARE PER THE LATEST EDITIONS OF THESE STANDARDS, UNLESS OTHERWISE NOTED.

9. SHOP DRAWINGS AND OTHER ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR BEFORE SUBMITTAL. THE ENGINEER'S REVIEW IS TO BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE RELEVANT CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK, AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSION. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, DIMENSIONS, ETC.

10. AS A MINIMUM, SUBMIT THE FOLLOWING ITEMS FOR REVIEW:

A. STEEL REINFORCING SHOP DRAWINGS
B. CAST-IN-PLACE CONCRETE MIX DESIGNS
C. STRUCTURAL STEEL FABRICATION DRAWINGS
D. COLD-FORMED STEEL FRAMING SHOP DRAWINGS AND CALCULATIONS (SIGNED AND SEALED)
E. METAL DECK SHOP DRAWINGS (ROOF AND WALL)
F. CONCRETE MASONRY UNIT MATERIAL, STRENGTH, AND ACCESSORIES SUBMITTALS
G. PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS AND REACTIONS (SIGNED AND SEALED)
H. STEEL JOIST PLACEMENT SHOP DRAWINGS

***OTHER SUBMITTALS ARE REQUIRED PER THE NOTES CONTAINED HEREIN AND PER THE PROJECT SPECIFICATIONS.

11. ALL "STRUCTURAL SUBMITTALS" SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA. DRAWINGS PREPARED SOLELY AS A GUIDE FOR ERECTION, INSTALLATION, AND CATALOG INFORMATION WILL NOT REQUIRE AN ENGINEER'S SEAL; HOWEVER, THEY SHALL BEAR THE ENGINEER'S SIGNATURE AND AN INDICATION THAT HE OR SHE CHECKED THE WORK.

12. DRAWINGS INTRODUCING ENGINEERING INPUT AND CALCULATIONS SHALL BE SIGNED, SEALED, AND DATED BY THE ENGINEER PREPARING SUCH WORK.

DESIGN CRITERIA NOTES

1. THE INTENDED DESIGN STANDARDS AND/OR CRITERIA ARE AS FOLLOWS:

GENERAL	2023 FLORIDA BUILDING CODE, BUILDING (FBC-B), 8TH EDITION
HURRICANE SHELTER	2023 ICC 500 ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS
CONCRETE	ACI 318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
MASONRY	TMS 402/602-16 BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES
STRUCTURAL STEEL	2017 AISC STEEL CONSTRUCTION MANUAL AND AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
COLD-FORMED STEEL	AISI S100-16 (2020) w/ S2 NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS

2. DESIGN SUPERIMPOSED GRAVITY DEAD LOADS USED IN THE DESIGN OF THESE STRUCTURES ARE AS FOLLOWS:

GYMNASIUM ROOF	
PERMANENT:	10 PSF MAX. (6 PSF MIN.)
COLLATERAL:	10 PSF MAX. (6 PSF MIN.)
ALL OTHER ROOFS	20 PSF MAX. (8 PSF MIN.)
BASKETBALL HOOP SYSTEM	REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATIONS AND DETAILED INFORMATION
GYM DIVIDER CURTAIN	REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR LOCATION AND DETAILED INFORMATION

3. DESIGN SUPERIMPOSED GRAVITY LIVE LOADS USED IN THE DESIGN OF THESE STRUCTURES ARE AS FOLLOWS:

OCCUPANCY	UNIFORM	CONCENTRATED
ALL ROOFS	50 PSF	300 LB
GYMNASIUM FLOOR	100 PSF	
FIRST FLOOR CORRIDORS	100 PSF	
LOBBIES	100 PSF	

4. DESIGN LATERAL LIVE LOADS USED IN THE DESIGN OF THESE STRUCTURES ARE AS FOLLOWS:

WIND LOADS PER ASCE 7-22 (3-SEC GUST) AND 2023 ICC 500 ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS
ULTIMATE HURRICANE WIND SPEED (V_{ult}) = 160 MPH
RISK CATEGORY IV
EXPOSURE CATEGORY C
INTERNAL PRESSURE COEFFICIENT, GCpi=+/-0.18 (ENCLOSED)
DIRECTIONALITY FACTOR, K_d=1.00

SEE COMPONENTS & CLADDING ROOF AND WALL DIAGRAMS ON SHEET S-1.0 AND WIND PRESSURES ON SHEET S-1.1.

5. ALL GLAZED OPENING SHALL BE IMPACT RESISTANT AND SHALL HAVE TESTING SHOWING CONFORMANCE WITH THE REQUIREMENTS OF THE FBC AND ICC 500.

6. ALL DOORS SHALL BE IMPACT RESISTANT AND SHALL HAVE TESTING SHOWING CONFORMANCE WITH THE REQUIREMENTS OF THE FBC AND ICC 500.

7. ALL WALLS, ROOFS, AND BUILDING ENVELOPE SHALL BE IMPACT RESISTANT AND SHALL HAVE TESTING SHOWING CONFORMANCE WITH THE REQUIREMENTS OF THE FBC AND ICC 500. WIND-BORNE DEBRIS IMPACT LOADS SHALL BE BASED ON ICC 500 SECTIONS 305.1.1 THROUGH 305.2.2 FOR A HURRICANE SHELTER.

8. THESE STRUCTURES HAVE BEEN DESIGNED WITH "SAFETY FACTORS" IN ACCORDANCE WITH GENERALLY ACCEPTED PRINCIPLES OF STRUCTURAL ENGINEERING. THE FUNDAMENTAL NATURE OF THE "SAFETY FACTOR" IS TO COMPENSATE FOR UNCERTAINTIES IN THE INTENDED DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL BUILDING COMPONENTS. IT IS INTENDED THAT "SAFETY FACTORS" BE USED SO THAT THE LOAD CARRYING CAPACITY OF THESE STRUCTURES DOES NOT FALL BELOW THE DESIGN LOAD AND THAT THE BUILDING WILL PERFORM UNDER DESIGN LOAD WITHOUT DISTRESS. WHILE THE USE OF "SAFETY FACTORS" IMPLIES SOME EXCESS CAPACITY BEYOND DESIGN LOAD, SUCH EXCESS CAPACITY CANNOT BE ADEQUATELY PREDICTED AND SHALL NOT BE RELIED UPON.

STEEL JOIST NOTES

1. ALL STEEL JOISTS SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE SJI STANDARD SPECIFICATIONS.

2. JOIST BRIDGING SHALL CONFORM TO SJI SPECIFICATIONS. PROVIDE DIAGONAL BRIDGING AT ALL BEAMS AND END BAYS. FIELD WELD BRIDGING AT ENDS AND INTERSECTIONS. ALL JOISTS FORTY (40) FEET AND LONGER REQUIRE A ROW OF BOLTED CROSS BRIDGING TO BE IN PLACE BEFORE SLACKENING OF HOISTING LINES.

3. ALL JOISTS SHALL BE PROPERLY ANCHORED AT BEARINGS.

4. JOIST BRIDGING AND CONNECTIONS SHALL BE COMPLETELY INSTALLED PRIOR TO PLACING ANY CONSTRUCTION LOADS ON THE JOISTS. CONSTRUCTION LOADING SHALL NOT EXCEED THE JOIST DESIGN LOAD.

5. ALL JOISTS SHALL BE SHOP PAINTED IN ACCORDANCE WITH SJI REQUIREMENT. REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR EXPOSED JOISTS THAT REQUIRE ADDITIONAL PAINT REQUIREMENTS.

6. THE DELEGATED ENGINEER FOR THE STEEL JOIST SUPPLIER SHALL SUBMIT CALCULATIONS FOR ALL SPECIAL JOISTS TO THE ENGINEER OF RECORD PRIOR TO FABRICATION. THESE CALCULATIONS SHALL BE SIGNED, SEALED, AND DATED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.

7. IN A COVER LETTER TO THE JOIST SHOP DRAWINGS, THE DELEGATED ENGINEER FOR THE STEEL JOIST SUPPLIER SHALL CERTIFY THAT THE STEEL JOIST BOTTOM CHORDS WILL SAFELY RESIST THE WIND UPLIFT, CONSIDERING THE SPACING OF THE BRIDGING. CERTIFICATION SHALL BE SIGNED, SEALED, AND DATED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.

8. THE JOIST MANUFACTURER SHALL BE AN SJI CERTIFIED SHOP AND MAINTAIN APPROVED FABRICATION PROCEDURES AS REQUIRED TO SATISFY THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

9. ALL ROOF JOISTS SHALL BE DESIGNED FOR WIND UPLIFT PER THE WIND LOAD CRITERIA ON THE PLANS. PROVIDE AN ADDITIONAL ROW OF CONTINUOUS HORIZONTAL BOTTOM CHORD BRIDGING AT THE FIRST PANEL POINT LOCATION AT EACH END OF ALL ROOF JOISTS (TO RESIST WIND UPLIFT). UPLIFT BRIDGING SHALL TERMINATE WITH DIAGONAL BRIDGING AT ALL END BAYS.

SLAB ON GRADE NOTES

1. REFER TO THE GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION MORE THAN 12" BELOW THE BOTTOM OF THE SLAB AND REFER TO THE SITE PREPARATION NOTES ON THIS SHEET FOR ADDITIONAL SITE PREPARATION REQUIREMENTS.

2. FOR 24-INCHES BELOW SLABS, USE TERMITE TREATED FILL CONTAINING NOT MORE THAN 10% PASSING, BY DRY WEIGHT, FINER THAN THE U.S. NO. 200 MESH SIEVE AND MAXIMUM 1" DIAMETER AGGREGATE. COMPACT TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557. EACH LAYER OF FILL SHALL NOT EXCEED 12-INCHES IN LOOSE THICKNESS WHEN COMPACTED BY HEAVY VIBRATORY COMPACTION EQUIPMENT, AND NOT MORE THAN 6-INCHES IN LOOSE THICKNESS WHEN COMPACTED BY HAND-OPERATED TAMPERS. COMPACT PRIOR TO PLACEMENT OF NEXT LIFT.

3. FILL PLACEMENT AND COMPACTION SHALL BE MONITORED AND ACCEPTED BY THE TESTING AGENCY. TAKE A MINIMUM OF ONE FIELD DENSITY TEST (ASTM D-1556-OR D-2922) FOR EACH 2500 SQUARE FEET OF EACH LIFT OF FILL PLACED FOR A DEPTH OF 2-FEET BELOW GRADE AND FOR EVERY 1-FOOT LIFT OF FILL PLACED.

4. ALL CONCRETE FOR SLAB-ON-GRADE SHALL OBTAIN A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI FOR 4-INCH THICK SLABS, 4,000 PSI FOR 5 & 6-INCH THICK SLABS, AND 5,000 PSI FOR 8, 10, & 12-INCH THICK SLABS. PLACE CONCRETE WITH A MAXIMUM 4" SLUMP +/- 1 INCH AS MEASURED AT POINT OF DISCHARGE. REINFORCE PER FOUNDATION PLANS AND SECTIONS.

5. FOR INTERIOR AND EXTERIOR SLABS PLACE VAPOR RETARDER BETWEEN SOIL AND BOTTOM OF SLAB. SEE SPECIFICATIONS FOR REQUIREMENTS.

6. ALL WELDED WIRE REINFORCING SHALL BE IN ACCORDANCE WITH ASTM A185. LAP ADJOINING PIECES AT LEAST ONE FULL MESH LENGTH.

7. SLAB JOINTS SHALL BE FILLED WITH AN APPROVED MATERIAL. THIS SHOULD TAKE PLACE AS LATE AS POSSIBLE. PREFERABLY AT LEAST 4 TO 6 WEEKS AFTER THE SLAB HAS BEEN CAST BUT NOT BEFORE ALL CONSTRUCTION TRAFFIC HAS PERMANENTLY CEASED AND THE SLAB HAS HAD SUFFICIENT TIME TO SHRINK. PRIOR TO FILLING, REMOVE ALL DEBRIS FROM THE SLAB JOINT, THEN FILL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS FOLLOWS:

4", 5", & 6" THICK SLABS: FILL WITH FIELD MOLDED OR TWO-COMPONENT, NON-SAG, TRAFFIC GRADE, POLYURETHANE ELASTOMERIC SEALANT (SIKAFLEX-2C NS EZ MIX OR APPROVED EQUAL).

8", 10", & 12" THICK SLABS: FILL WITH FIELD MOLDED OR TWO-COMPONENT, NON-SAG, TRAFFIC GRADE, POLYURETHANE ELASTOMERIC SEALANT (SIKAFLEX-2C NS EZ MIX OR APPROVED EQUAL).

8. REFER TO THE SITE PLAN AND ARCHITECTURAL DRAWINGS FOR WALKWAYS AND OTHER EXTERIOR SLABS NOT INDICATED ON THE STRUCTURAL DRAWINGS FOR LOCATIONS, DIMENSIONS, ELEVATIONS, JOINTING DETAILS, AND FINISH DETAILS. PROVIDE AT MINIMUM 4" THICK WALKS REINFORCED WITH 6x6-W1.4xW1.4 WELDED WIRE REINFORCING UNLESS NOTED OTHERWISE.

9. SLABS TO BE PERMANENTLY EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (+/-1.5%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C260. DO NOT ALLOW AIR CONTENT OF TROWEL-FINISHED FLOORS TO EXCEED 3%.

10. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

11. IN ORDER TO AVOID CONCRETE SHRINKAGE CRACKING, LIMIT THE MAXIMUM LENGTH OF SLAB CAST IN ANY ONE CONTINUOUS POUR TO 100 FEET OR LESS. THE MAXIMUM SPACING OF CONTRACTION JOINTS SHALL BE 12-FEET, OR AS SHOWN ON THE PLANS, FOR ALL SLABS.

12. THE ALTERNATE WIRES OF THE WELDED WIRE REINFORCING OR REINFORCING STEEL MUST BE PRECUT AT THE SLAB CONTRACTION JOINT LOCATIONS TO CREATE A "WEAKENED PLANE". WITHOUT CUTTING THE ALTERNATE WIRES OR STEEL, THE STRENGTH OF THE WIRE OR STEEL WILL PREVENT THE SLAB FROM CRACKING (SEPARATING) AT THE JOINT AND THE SLAB MAY BEGIN TO CRACK ELSEWHERE.

13. THE USE OF POLYPROPYLENE FIBERS (IN LIEU OF WIRE REINFORCING) IS PROHIBITED WITHOUT THE WRITTEN AUTHORIZATION OF THE ENGINEER.

14. IN SIDEWALKS AND WALKWAYS, LOCATE ISOLATION JOINTS AT 20 FT. O.C. MAXIMUM, SCORE, AND TOOL BETWEEN ISOLATION JOINTS IN EQUAL BAYS NOT GREATER THAN THE SIDEWALK WIDTH UNLESS DETAILED ELSEWHERE.

15. SEE THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DEPRESSED SLAB AREAS AND DRAINS. SLOPE SLAB TO DRAINS WHERE SHOWN.

16. ALL REINFORCING MARKED CONTINUOUS (CONT.) ON THE PLANS AND DETAILS SHALL BE LAPPED PER THE BAR LAP SPLICE SCHEDULE AND ADDITIONAL BARS, WITH APPROPRIATE BAR LAP SPLICES, SHALL BE PROVIDED AT ALL CORNERS AND INTERSECTIONS.

CAST-IN-PLACE CONCRETE NOTES

1. CONCRETE MIXES SHALL BE DESIGNED PER ACI 301, USING PORTLAND CEMENT CONFORMING TO ASTM C-150 OR C-595, AGGREGATE CONFORMING TO ASTM C-33, AND ADMIXTURES CONFORMING TO ASTM C-494, C-1017, C-618, C-989, AND C-260. CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH C-94.

2. CONCRETE SHALL CONFORM TO THE FOLLOWING COMPRESSIVE STRENGTH, SLUMP, AND WATER/CEMENT RATIO REQUIREMENTS:

CONCRETE	(28 DAY STRENGTH)	SLUMP*	W/C RATIO
BEAMS, COLUMNS, WALLS	4,000 PSI	4" ± 1"	0.45
STAIRS	4,000 PSI	4" ± 1"	0.45
CONCRETE NOT NOTED	3,000 PSI	4" ± 1"	0.50
FOUNDATIONS	"SEE FDN NOTES"	4" ± 1"	0.50
SLABS	"SEE SLAB ON GRADE NOTES"		

* AT CONTRACTOR'S OPTION, AN APPROVED ADMIXTURE MAY BE USED TO PRODUCE FLOWABLE CONCRETE. MAXIMUM SLUMP SHALL NOT EXCEED 10 INCHES. THE CONTRACTOR SHALL SUBMIT TEST RESULTS OF THE PROPOSED CONCRETE MIXES ALONG WITH THE MANUFACTURER'S TECHNICAL DATA FOR APPROVAL PRIOR TO PLACING THE CONCRETE.

3. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATION FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. ALL WELDING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH AWS D1.4.

5. ALL WELDED WIRE REINFORCING (WWR) SHALL CONFORM TO A-185.

6. ALL REINFORCING STEEL SHALL BE SET AND TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. DO NOT FIELD BEND BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE UNLESS SPECIFICALLY INDICATED OR APPROVED BY THE ENGINEER.

7. REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL INDICATED AS BEING CONTINUOUS (CONT.) SHALL BE LAPPED WITH A CLASS B TENSION LAP SPLICE UNLESS OTHERWISE NOTED. REFER TO THE BAR LAP SPLICE SCHEDULE.

8. UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

A) CONCRETE EXPOSED TO EARTH OR WEATHER:

#6 THROUGH #18 BARS	2"
#5 BAR, W31 OR D31 WIRE & SMALLER	1 1/2"

B) CONCRETE NOT EXPOSED TO EARTH OR WEATHER:

SLABS, WALLS, JOISTS:	
#14 AND #18 BARS	1 1/2"
#11 BAR AND SMALLER	3/4"
BEAMS AND COLUMNS:	
PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2"

C) FOUNDATION CONCRETE (SEE "FOUNDATION NOTES")

9. BAR SUPPORTS AND HOLDING BARS SHALL BE PROVIDED FOR ALL REINFORCING STEEL TO ENSURE MINIMUM CONCRETE COVER. BAR SUPPORTS SHALL BE PLASTIC TIPPED OR STAINLESS STEEL.

10. FORMWORK SHALL REMAIN IN PLACE UNTIL CONCRETE HAS OBTAINED AT LEAST 90% OF ITS 28 DAY COMPRESSIVE STRENGTH. THE CONTRACTOR SHALL PROVIDE ALL SHORING AND RESHORING.

METAL DECK

1. ALL METAL DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS" BY THE STEEL DECK INSTITUTE (SDI).

2. ALL METAL ROOF DECK SHALL BE 1 1/2" DEEP x 20 GAGE GALVANIZED TYPE B (WIDE RIB) GRADE 50 DECK (MIN. Ip = 0.201 IN^4/FT AND Sp = 0.234 IN^3/FT) AS MANUFACTURED BY VULCRAFT OR APPROVED EQUAL UNLESS NOTED OTHERWISE.

3. ALL METAL WALL DECK SHALL BE 1 1/2" DEEP x 16 GAGE GALVANIZED TYPE B (WIDE RIB) DECK (MIN. Ip = 0.373 IN^4/FT AND Sp = 0.408 IN^3/FT) AS MANUFACTURED BY VULCRAFT OR APPROVED EQUAL UNLESS NOTED OTHERWISE.

4. ALL METAL ROOF AND WALL DECK SHALL SPAN PERPENDICULAR TO SUPPORTS. SCREW DECK TO COLD-FORMED STEEL AND STEEL PER SECTION X/S-X.X AND WELD DECK TO STEEL BAR JOISTS AND STEEL PER SECTION X/S-X.X.

5. SUSPENDED CEILINGS, LIGHT FIXTURES, DUCTS, AND OTHER PERMANENTLY SUSPENDED LOADS SHALL NOT BE SUPPORTED BY THE METAL DECK.

6. ALL DECKING SHALL BE GALVANIZED BY THE HOT-DIP PROCESS CONFORMING TO ASTM A924 CLASS G90. ALL DECK WELDS SHALL BE TOUCHED UP WITH GALVANIZING REPAIR PAINT FOR GALVANIZED DECKS. REFER TO SPECIFICATIONS.

7. SUBMIT DETAILED SHOP DRAWINGS PRIOR TO FABRICATION SHOWING LAYOUT, TYPES OF METAL DECK UNITS, CONNECTION DETAILS, ACCESSORIES, AND OTHER RELATED ITEMS.

8. ALL STEEL DECK SHALL BE CAPABLE OF SUPPORTING THE DESIGN LOADS PROVIDED IN THE CONTRACT DOCUMENTS. THE DECK SUPPLIER SHALL SUBMIT CALCULATIONS AND/OR LOAD TABLES WITH THE SHOP DRAWINGS. THESE CALCULATIONS AND/OR LOAD TABLES SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. THE STRUCTURAL ENGINEER OF RECORD'S REVIEW OF SUCH MATERIALS SHALL NOT RELIEVE THE DECK SUPPLIER AND ITS LICENSED ENGINEER OF THE SOLE RESPONSIBILITY FOR THE ACCURACY OF LOAD TABLES AND/OR CALCULATIONS SUBMITTED FOR REVIEW WITH THE SHOP DRAWINGS.

STRUCTURAL STEEL NOTES

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE 2017 AISC STEEL CONSTRUCTION MANUAL AND ANSI/AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.

2. UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FOLLOWING ASTM SPECIFICATIONS:

MEMBER	ASTM	MIN. STRENGTH
STRUCTURAL TUBING	A500 (GRADE B)	46 KSI
WIDE FLANGE SHAPES	A992	50 KSI
OTHER ROLLED PLATES/SHAPES	A36	36 KSI
CONNECTION BOLTS	A325-X	92 KSI
ANCHOR RODS	F1554	36 KSI
THREADED RODS	A36	36 KSI
NONSHRINK GROUT	C1107	8000 PSI

3. PROVIDE SIMPLE SHEAR TYPE CONNECTIONS THAT UTILIZE THE MAXIMUM NUMBER OF ROWS AT 3 INCH STANDARD BOLT SPACING USING MINIMUM 3/4" DIAMETER A325-X BOLTS. ALL BOLTS SHALL BE SHEAR/BEARING TYPE BOLTS AND SHALL BE "SNUG-TIGHT". SLOTTED HOLES ARE NOT PERMITTED.

4. ALL WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 USING E70XX ELECTRODES. UNLESS OTHERWISE NOTED, PROVIDE CONT. MIN. SIZED FILLET WELDS PER AISC REQUIREMENTS. ALL FILLER MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 58 KSI.

5. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORCH CUTTING AT THE SITE IS NOT PERMITTED AND WILL REQUIRE STEEL MEMBER(S) TO BE REPLACED.

6. UNLESS OTHERWISE NOTED, SHOP PAINT FOR STRUCTURAL STEEL SHALL BE TNEMEC 10-1009G. APPLY TO A MINIMUM DRY FILM THICKNESS OF 2.5 MILS. DO NOT PAINT STEEL SURFACES TO BE EMBEDDED IN CONCRETE. EXTEND PRIMING OF PARTIALLY EMBEDDED MEMBERS TO A DEPTH OF 2.5 INCHES. DO NOT PAINT SURFACES TO BE FIELD WELDED, SURFACES TO BE HIGH-STRENGTH BOLTED WITH SLIP-CRITICAL CONNECTIONS, SURFACES TO RECEIVE SPRAYED FIRE RESISTIVE MATERIALS (APPLIED FIREPROOFING), OR GALVANIZED SURFACES.

7. UNLESS OTHERWISE NOTED, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A159. ALL STRUCTURAL TUBE, PIPE SHAPES, AND STRUCTURAL ASSEMBLIES SHALL HAVE ADEQUATE DRAIN HOLES AND SEAL WELDS. OTHERWISE, ALL STRUCTURAL STEEL PERMANENTLY EXPOSED TO WEATHER SHALL BE PAINTED WITH A TOP COAT OVER THE PRIMER COAT PER THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

8. THE STRUCTURAL STEEL ERECTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING (SEE "GENERAL NOTES").

9. COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. HAVE BEEN DESIGNED FOR THE FINAL COMPLETED CONDITION AND HAVE NOT BEEN INVESTIGATED FOR POTENTIAL LOADINGS ENCOUNTERED DURING STEEL ERECTION AND CONSTRUCTION. ANY INVESTIGATION OF THE COLUMNS, ANCHOR BOLTS, BASE PLATES, ETC. FOR ADEQUACY DURING THE STEEL ERECTION AND CONSTRUCTION PROCESS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

10. STEEL FABRICATOR SHALL BE THOSE QUALIFIED FABRICATORS THAT PARTICIPATE IN THE AISC QUALITY CERTIFICATION PROGRAM AND ARE DESIGNATED AS AN AISC-CERTIFIED PLANT, CATEGORY STD.

11. PROTECTIVE COATINGS DAMAGED DURING THE TRANSPORTING, ERECTING, AND FIELD WELDING PROCESSES SHALL BE REPAIRED IN THE FIELD TO MATCH THE SHOP APPLIED COATING.

12. ALL COLUMNS ERECTED IN THE FIELD SHALL BE PLUMBED IN ACCORDANCE TO AISC TOLERANCES USING LASER OR OTHER SIMILAR EQUIPMENT.

FOUNDATION NOTES

1. ALL FOOTINGS HAVE BEEN DESIGNED USING AN ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF. ALL CONSOLIDATION OF SUBSOIL SHALL CLOSELY FOLLOW THE GEOTECHNICAL REPORT PREPARED BY ARDAMAN AND ASSOCIATES, INC., FILE NO. 113-25-40-1145, DATED MAY 29, 2025, UNLESS MORE STRINGENT REQUIREMENTS ARE LISTED HEREIN.

2. FOR 24-INCHES BELOW FOOTINGS, USE TERMITE TREATED FILL CONTAINING NOT MORE THAN 10% PASSING, BY DRY WEIGHT, FINER THAN THE U.S. NO. 200 MESH SIEVE AND MAXIMUM 1" DIAMETER AGGREGATE. COMPACT TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557. EACH LAYER OF FILL SHALL NOT EXCEED 12-INCHES IN LOOSE THICKNESS WHEN COMPACTED BY HEAVY VIBRATORY COMPACTION EQUIPMENT, AND NOT MORE THAN 6-INCHES IN LOOSE THICKNESS WHEN COMPACTED BY HAND-OPERATED TAMPERS. COMPACT PRIOR TO PLACEMENT OF NEXT LIFT.

3. ALL FOUNDATION EXCAVATIONS, FILL PLACEMENT, AND COMPACTION SHALL BE EVALUATED, MONITORED, AND ACCEPTED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY PRIOR TO PLACING FOUNDATION CONCRETE.

4. AT FOOTING SUBGRADES, AT LEAST ONE TEST OF EACH SOIL STRATUM SHALL BE PERFORMED FOR EACH ISOLATED FOOTING AND EACH 50 LINEAR FEET OF CONTINUOUS WALL FOOTING PER LIFT TO VERIFY DESIGN BEARING CAPACITIES.

5. FOUNDATIONS SHALL OBTAIN A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI. ALL CONCRETE TO BE PERMANENTLY EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (+/-1.5%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C260.

6. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE BUILDINGS". HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305. COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306.

7. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.

8. UNLESS OTHERWISE NOTED, THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
A) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH - 3"
B) CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 THROUGH #18 BARS - 2"
#5 BAR, W31 OR D31 WIRE & SMALLER- 1 1/2"

9. ALL REINFORCING MARKED CONTINUOUS (CONT.) ON THE PLANS AND DETAILS SHALL BE LAPPED PER THE BAR LAP SPLICE SCHEDULE AND ADDITIONAL BARS, WITH APPROPRIATE BAR LAP SPLICES, SHALL BE PROVIDED AT ALL CORNERS AND INTERSECTIONS.

10. PRIOR TO COMMENCING ANY FOUNDATION WORK, COORDINATE WORK WITH ANY EXISTING AND NEW UTILITIES. CONTACT THE ENGINEER IMMEDIATELY IF CONFLICTS ARISE. PIPES SHALL BE SLEEVED, AS REQUIRED, TO RUN VERTICALLY THROUGH FOUNDATIONS. PIPES SHALL NOT IN ANY CASE BE INSTALLED HORI

CONCRETE MASONRY NOTES

1. MASONRY CONSTRUCTION SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES (TMS 402/602-16), PUBLISHED BY THE MASONRY SOCIETY.

2. THE MINIMUM DESIGN COMPRESSIVE STRENGTH OF THE MASONRY (f'm) SHALL BE 2,000 PSI AT 28 DAYS AS DETERMINED BY THE UNIT STRENGTH METHOD USING TABLE 2 IN THE TMS 602 SPECIFICATION. THE STRUCTURE IS SUPPORTED BY BEARING WALLS UNLESS NOTED OTHERWISE. ERECT MASONRY PRIOR TO CASTING CONCRETE COLUMNS WITHIN BEARING WALLS OR CASTING BEAMS AND SLABS SUPPORTED BY BEARING WALLS.

3. HOLLOW LOAD-BEARING MASONRY UNITS SHALL CONFORM TO ASTM C-90, GRADE N. BLOCK SHALL HAVE A NET AREA COMPRESSIVE STENGTH OF 2,000 PSI AND SHALL BE MANUFACTURED WITH NORMAL WEIGHT AGGREGATE.

4. THE USE OF MASONRY-CEMENT MORTAR IS STRICTLY PROHIBITED. MORTAR SHALL CONFORM TO ASTM C-270, TYPE S EXCEPT USE TYPE M MORTAR BELOW GRADE. ALL MORTAR SHALL MEET THE "PROPORTION SPECIFICATION" OF ASTM C-270 AND SHALL BE MADE WITH PORTLAND CEMENT/LIME (NON AIR-ENTRAINED). HEAD AND BED JOINTS SHALL BE 3/8" 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" OR MORE INTO THE CELL.

5. FILL ALL BOND BEAMS AND REINFORCED CELLS SOLIDLY WITH FINE GROUT. GROUT SHALL CONFORM TO ASTM C-476 AND SHALL OBTAIN A MIN. 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI. AGGREGATE TO CONFORM TO ASTM C404 FOR FINE GROUT WITH A SLUMP OF 8" TO 11". GROUT ALL MASONRY CONTAINING REINFORCING, ALL CELLS OF 4 HOUR RATED WALLS, AND WHERE INDICATED ON THE DRAWINGS. ALLOW MORTAR TO CURE 24 HOURS PRIOR TO GROUTING. PROVIDE CLEANOUT OPENINGS AT THE BASE OF CELLS CONTAINING REINFORCING STEEL TO CLEAN THE CELL AND TIE THE VERTICAL BAR TO THE DOWEL. IN HIGH-LIFT GROUTING, USE 5'-0" MAXIMUM LIFTS, WITH 1/2 HOUR TO 1 HOUR BETWEEN LIFTS. VIBRATE EACH LIFT AND RECONSOLIDATE THE PREVIOUS LIFT.

6. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A-615, GRADE 60. SHOP FABRICATE REINFORCING BARS WHICH ARE SHOWN TO BE HOOKED OR BENT. USE REBAR POSITIONERS TO ENSURE REBAR IS INSTALLED IN CORRECT POSITION.

7. UNLESS OTHERWISE INDICATED, ALL WALLS SHALL BE LAID IN RUNNING BOND. SAWCUT UNITS WHICH ARE NOT IN MULTIPLES OF 8". UNITS SHALL BE AT LEAST 8" LONG. BOND CORNERS BY LAPPING 8" IN SUCCESSIVE VERTICAL COURSES.

8. PROVIDE VERTICAL REINFORCING BARS OF THE GIVEN SIZE AND SPACING AS INDICATED. PROVIDE BARS AT ALL WALL CORNERS, INTERSECTIONS, AND OPENING EDGES. AT BOND/TIE BEAM CORNERS AND INTERSECTIONS, PLACE (1) #5 TOP AND BOTTOM CORNER BAR WITH 36" LEGS EACH WAY, AT THE EXTERIOR FACE AT 8" CMU WALLS AND (2) #5 TOP & BOTTOM CORNER BARS AT 12" CMU WALLS WITH 36" LEGS EACH WAY.

9. PROVIDE REBAR DOWELS FROM FOUNDATIONS TO MATCH VERTICAL REINFORCING SIZE AND SPACING. DOWELS SHALL HAVE STANDARD 90 DEGREE HOOKS AND LAP WITH THE FIRST LIFT OF REINFORCING.

10. PROVIDE HORIZONTAL BOND BEAMS WITH CONTINUOUS REINFORCING AS INDICATED. DISCONTINUE ALL HORIZONTAL REINFORCING AT WALL CONTROL JOINTS EXCEPT FOR THE BOND BEAMS AT BEARING ELEVATIONS.

11. ALL VERTICAL WALL REINFORCING SHALL BE EXTENDED TO WITHIN 2" OF THE TOP OF ALL WALLS AND TERMINATED IN A STANDARD ACI 90-DEGREE HOOK.

12. PROVIDE STANDARD 9 GAUGE HORIZONTAL JOINT REINFORCING AT 16" ON CENTER IN ALL WALLS. JOINT REINFORCING AND ANCHORS IN EXTERIOR WALLS SHALL CONFORM TO ASTM A153 CLASS B2, WITH A COATING THICKNESS OF 1.50 OZ/SF. OVERLAP DISCONTINUOUS ENDS 6". USE PREFABRICATED CORNERS AND TEES. PROVIDE LADDER TYPE JOINT REINFORCING FOR ALL CONCRETE MASONRY. STOP ALL HORIZONTAL JOINT REINFORCING AT WALL CONTROL JOINTS.

13. REINFORCED MASONRY WALL CONSTRUCTION SHALL BE INSPECTED BY AN ENGINEER OR ARCHITECT IN ACCORDANCE WITH TMS 402/602.

14. SEE THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL DOOR AND WINDOW OPENINGS.

15. THE MASONRY CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY WALL BRACING DURING CONSTRUCTION (SEE "GENERAL STRUCTURAL NOTES").

16. WHERE ANCHOR BOLTS, WEDGE ANCHORS, OR ANCHORS SET IN EPOXY ARE INSTALLED IN A MASONRY WALL, FILL CELLS WITH GROUT FOR BOLTED COURSE, ONE COURSE ABOVE, AND TWO COURSES BELOW. DO NOT SET MORE THAN ONE ANCHOR PER CELL.

17. PROVIDE LINTELS OR HEADERS AS SCHEDULED AT ALL MASONRY OPENINGS WITH MINIMUM 8-INCH BEARING AT INTERIOR PARTITION WALLS AND MINIMUM 16-INCH BEARING AT EXTERIOR MASONRY WALLS. EXTEND BARS 6-INCHES AND 14-INCHES, RESPECTIVELY, BEYOND THE FACE OF THE SUPPORT. REFER TO THE LINTEL SCHEDULE FOR OTHER CONDITIONS.

18. INTERIOR AND EXTERIOR WALL CONTROL JOINTS SHALL BE SPACED AT APPROXIMATELY EQUAL INTERVALS NOT TO EXCEED 25 FEET NOR 1.5 TIMES THE WALL HEIGHT. REFER TO THE WALL CONTROL JOINT (W.C.J.) SECTION, AND COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.

19. USE PRESSURE-TREATED WOOD FOR ALL WOOD IN CONTACT WITH MASONRY.

EXTERIOR COLD-FORMED METAL FRAMING

1. DESIGN, DETAIL AND ERECT EXTERIOR COLD-FORMED METAL FRAMING IN ACCORDANCE WITH THE GENERAL NOTES AND SPECIFICATIONS.

2. COLD-FORMED STEEL FRAMING DETAILS SHOWN ON CONTRACT DOCUMENTS REPRESENT THE MINIMUM DESIGN INTENT TO BE FOLLOWED. CONNECTIONS NOT DETAILED IN CONTRACT DOCUMENTS SHALL BE DESIGNED AND DETAILED BY THE DELEGATED ENGINEER ACCORDING TO SPECIFICATIONS AND REQUIREMENTS HEREIN. THE MINIMUM DESIGN THICKNESS OF EXTERIOR COLD-FORMED METAL FRAMING SHALL BE 43 MILS. NO EXCEPTIONS WILL BE ACCEPTED.

3. SUBMIT COMPLETE SHOP DRAWINGS AND CALCULATIONS SHOWING METHOD OF FABRICATION, ERECTION PROCEDURES, ATTACHMENT OF THE SYSTEM TO THE BUILDING, JOINTS, CONNECTIONS AND FRAMING. CALCULATIONS AND SHOP DRAWINGS SHALL BE PREPARED, SIGNED AND SEALED BY THE DELEGATED ENGINEER LICENSED IN THE STATE OF FLORIDA.

4. USE GALVANIZED STEEL "C" STUDS, TRACKS, ANGLES AND STRAPS AS SHOWN ON DRAWINGS AND DETAILS HAVING A MINIMUM YIELD STRENGTH AS FOLLOWS:

54 MIL THICKNESS AND GREATER:	Fy= 50 KSI MIN.
43 MIL THICKNESS:	Fy= 33 KSI MIN.

ALL TRACKS TO HAVE SAME DESIGN THICKNESS AS STUDS WITH MINIMUM 1 1/4 " LEGS.

5. DOOR AND WINDOW SILLS, HEADERS, AND JAMBS SHALL BE DESIGNED TO RESIST WIND FORCES ON THE TRIBUTARY AREA OF WINDOWS AND DOORS AND TO TRANSMIT THE FORCES TO THE PRIMARY STRUCTURAL FRAME.

6. ALL JAMBS, HEADERS, AND OTHER BUILT-UP MEMBERS SHALL BE CONSTRUCTED USING UNPUNCHED MATERIAL.

7. ALL JAMB STUDS SHALL BE FASTENED TOGETHER TO FORM A CONTINUOUS BUILT-UP SECTION.

8. SCREWS, WHERE REQUIRED, SHALL MEET THE MINIMUM REQUIREMENTS OF SAE J429 GRADE 5; AND IFI-105.
SCREWS SHALL HAVE A PROTECTIVE COATING EQUIVALENT TO CADMIUM OR ZINC PLATING, ASTM B766.

9. FIELD CUTTING OF COLD-FORM METAL FRAMING SHALL BE BY SAW OR SHEAR. TORCH CUTTING IS NOT PERMITTED.

10. LIMIT DEFLECTIONS OF STUDS BETWEEN SUPPORTS TO L/600 WHEN SUPPORTING MASONRY, L/360 WHEN SUPPORTING GYPSUM WALL BOARD OR PORTLAND CEMENT STUCCO AND L/240 FOR OTHER CONDITIONS.

11. ADD WEB STIFFENERS AT CONCENTRATED LOADS AS REQUIRED BY DESIGN.

12. ALL WELDERS SHALL BE CERTIFIED BY AWS FOR THIN METAL SECTIONS.

13. ALL COLD-FORMED STEEL SECTIONS SHALL BE ROLLED FROM A-653 STEEL SHEET AND SHALL HAVE A MINIMUM G60 COATING.

PRE-ENGINEERED METAL BUILDING NOTES

1. THE ENTIRE PRE-ENGINEERED METAL BUILDING SYSTEM SHALL BE DESIGNED BY THE METAL BUILDING MANUFACTURER IN CONFORMANCE WITH THE PROVISIONS OF THE FLORIDA BUILDING CODE (2023 FBC, BUILDING, 8TH EDITION) AND THE 2024 METAL BUILDING SYSTEMS MANUAL PUBLISHED BY THE METAL BUILDING MANUFACTURERS ASSOCIATION (MBMA). WHERE THESE CRITERIA CONFLICT, THE MORE STRINGENT CRITERIA SHALL APPLY.

2. IT IS THE PRE-ENGINEERED METAL BUILDING MANUFACTURER'S RESPONSIBILITY TO DESIGN THE COMPLETE BUILDING SYSTEM (STEEL FRAMING, ANCHOR BOLTS, PURLINS, GIRTS, BRACINGS, CONNECTIONS, ROOFING, WALL PANELS, COMPONENTS, ATTACHMENTS, CRANE RUNWAY BEAMS/RAILS AND SUPPORTS, ETC.) THE MANUFACTURER SHALL SUBMIT A CERTIFICATION LETTER BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN FLORIDA STATING THAT THE BUILDING SYSTEM DESIGN MEETS THE INDICATED CODE, PERFORMANCE AND LOADING REQUIREMENTS.

3. THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL HAVE THE INTERNATIONAL ACCREDITATION SERVICE (IAS) AC 472 ACCREDITATION FOR METAL BUILDING SYSTEMS INSPECTION OR SHALL BE AN AISC CERTIFIED BUILDING FABRICATOR (BU).

4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE ENTIRE METAL BUILDING SYSTEM FOR REVIEW. THE CONTRACTOR SHALL ALSO SUBMIT A COMPREHENSIVE STRUCTURAL DESIGN ANALYSIS SHOWING ALL CALCULATIONS FOR THE RIGID FRAMES, GIRTS, PURLINS, X-BRACING, AND CRANE RUNWAY BEAMS FOR GRAVITY, WIND, AND CRANE LOADS, AND A LAYOUT OF ANCHOR BOLTS AND OTHER EMBEDDED ITEMS SHALL BE SUBMITTED FOR APPROVAL WITH THE SHOP DRAWINGS. THE SHOP DRAWING SUBMITTAL SHALL INCLUDE DETAILS OF ALL MAIN MEMBERS, TYPICAL CONNECTIONS (SHOWING BOLT HOLES AND WELDS), ANCHOR BOLTS, FOUNDATION REACTIONS AND ERECTION DRAWINGS. ALL SHOP DRAWING AND CALCULATION SUBMITTALS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN FLORIDA.

5. DESIGN LOADS TO BE USED IN CONNECTION WITH THE METAL BUILDING DESIGN ARE PER THE "DESIGN CRITERIA NOTES". IN ADDITION TO THE ACTUAL DEAD LOAD, AN ADDITIONAL COLLATERAL ROOF FRAMING DEAD LOAD SHALL BE INCLUDED AS SHOWN IN THE "DESIGN CRITERIA NOTES". COORDINATE ANY EQUIPMENT LOADS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS AND CRANE LOADS WITH CRANE MANUFACTURER. PAY PARTICULAR ATTENTION TO THE CODE REQUIRED WIND LOADING REQUIREMENTS (ULTIMATE WIND SPEED, WIND EXPOSURE CATEGORY, RISK CATEGORY, ETC.)

6. CALCULATIONS FOR FRAME DEFLECTIONS SHALL BE COMPLETED USING ONLY THE BARE FRAME METHOD. REDUCTIONS BASED ON ENGINEERING JUDGEMENT USING THE ASSUMED COMPOSITE STIFFNESS OF THE BUILDING ENVELOPE SHALL NOT BE PERMITTED. DRIFT SHALL FOLLOW AISC'S "SERVICEABILITY DESIGN CONSIDERATIONS FOR LOW-RISE BUILDINGS." CALCULATIONS SHALL BE SUBMITTED VERIFYING THAT THE ACTUAL DRIFT UNDER CODE REQUIRED LOADINGS DOES NOT EXCEED THE ALLOWABLE. REFERENCE THE PEMB SPECIFICATION AND NOTE #15 BELOW FOR DRIFT AND DEFLECTION REQUIREMENTS.

7. THE PRE-ENGINEERED MANUFACTURER SHALL PROVIDE ALL GIRTS, PURLINS, AND OTHER COMPONENTS REQUIRED FOR A COMPLETE SYSTEM. ALL WALL SYSTEMS, SUCH AS METAL STUDS, STOREFRONTS, ETC. SHALL BE PROPERLY SUPPORTED BY THE METAL BUILDING SYSTEM. ALLOWABLE DEFLECTIONS OF COMPONENTS SHALL BE IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE, BUILDING, 8TH EDITION.

8. THE PRELIMINARY FOUNDATION DESIGN IS BASED UPON DESIGN LOADS COMPUTED BY THE ENGINEER OF RECORD. FOUNDATION REACTIONS SHALL BE PROVIDED PRIOR TO CONSTRUCTION OF ANY FOUNDATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THESE ITEMS AND ANY ADDITIONAL CONSTRUCTION COSTS ASSOCIATED WITH FOUNDATION REVISIONS REQUIRED IF CONSTRUCTION OF FOUNDATIONS ARE COMPLETED PRIOR TO REVIEW OF FINAL FOUNDATION REACTIONS PROVIDED BY THE MANUFACTURER.

9. THE SIZE, NUMBER AND PLACEMENT PATTERN OF ALL ANCHOR BOLTS SHALL BE DETERMINED BY THE PRE-ENGINEERED BUILDING MANUFACTURER. ANCHOR BOLT EMBEDMENTS ARE INDICATED ON THESE DRAWINGS.

10. THE PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED BY THE MANUFACTURER TO RESIST LATERAL LOADS AS FOLLOWS:
INTERIOR & EXTERIOR FRAME LINES - RIGID FRAMES (PINNED-BASE COLUMNS)
PERIMETER WALL LINES - PORTAL FRAMES

11. THE METAL BUILDING ERECTOR SHALL PROVIDE ALL TEMPORARY GUYING AND BRACING (SEE "GENERAL STRUCTURAL NOTES").

12. UNLESS OTHERWISE NOTED OR SPECIFIED, ALL STEEL MEMBERS SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH MANUFACTURER'S STANDARD PROCEDURES.

13. THE CONSTRUCTION MANAGER SHALL SUBMIT, AS A PART OF THE PROPOSAL OR BID TO THE OWNER, A CERTIFICATE FROM THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SELECTED TO FURNISH THE PRE-ENGINEERED PORTION OF THE WORK STATING THE FOLLOWING:

> "[MANUFACTURER'S NAME] CERTIFIES THAT THE STRUCTURAL DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS DESCRIBING THE GEOMETRY, LOADING CONDITIONS, DEFLECTION AND DRIFT LIMITATIONS, AND OTHER SPECIFIC REQUIREMENTS FOR THIS PROJECT HAVE BEEN EXAMINED IN DETAIL BY OUR PROJECT MANAGER AND DESIGN ENGINEER. WE ACKNOWLEDGE THAT SOME REQUIREMENTS DESCRIBED IN THE CONSTRUCTION DOCUMENTS MAY BE MORE STRINGENT THAN MBMA REQUIREMENTS AND OUR NORMAL DESIGN AND SHOP PRACTICE. WE CERTIFY THAT WE UNDERSTAND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THAT OUR PROPOSAL TO THE CONSTRUCTION MANAGER FOR SUPPLYING THE PRE-ENGINEERED METAL BUILDING AND ITS COMPONENTS WILL MEET OR EXCEED ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS."

FAILURE OF THE MANUFACTURER TO PROVIDE THIS CERTIFICATE SHALL BE REGARDED AS NON-RESPONSIVE BY THE CONSTRUCTION MANAGER AND THE MANUFACTURER'S PROPOSAL SHALL BE CONSIDERED INVALID.

14. THE BUILDING SHALL BE DESIGNED TO SUPPORT ALL OVERHEAD DOORS, DOOR FRAMES AND MECHANICAL EQUIPMENT INCLUDING EXHAUST SYSTEMS, ETC. ADDITIONAL PURLINS OR GIRTS SHALL BE PLACED AT REQUIRED LOCATIONS FOR ATTACHMENT OF ALL MECHANICAL EQUIPMENT.

15. THE BUILDING FRAMES AND COMPONENTS SHALL BE DESIGNED TO LIMIT DEFLECTIONS AND LATERAL DRIFT TO THE FOLLOWING RATIOS UNDER CONTROLLING GRAVITY, WIND, AND COMBINED LOADINGS:

FRAME MAXIMUM VERTICAL DEFLECTION	L/240
FRAME LIVE LOAD/WIND LOAD VERTICAL DEFLECTION	L/360
FRAME LATERAL DRIFT (AT EAVE LINE)	H/400
ROOF PURLIN MAXIMUM DEFLECTION	L/240
ROOF PURLIN LIVE LOAD/WIND LOAD DEFLECTION	L/360
WALL GIRT MAXIMUM LATERAL DEFLECTION	L/240
METAL ROOF PANEL MAXIMUM VERTICAL DEFLECTION	L/240
METAL ROOF PANEL LIVE LOAD/WIND LOAD VERTICAL DEFLECTION	L/360
METAL WALL PANEL MAXIMUM HORIZONTAL DEFLECTION	L/240

VIBRO STONE COLUMNS / VIBRO REPLACEMENT

1. PRIOR TO THE CONSTRUCTION OF THE FOUNDATIONS AND SLABS-ON-GRADE, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A FLORIDA LICENSED PROFESSIONAL ENGINEER TO DESIGN AND DETAIL A SOIL IMPROVEMENT SYSTEM CONSISTING OF VIBRO STONE COLUMNS / VIBRO REPLACEMENT TO DENSIFY THE SITE SOILS AS RECOMMENDED IN THE PROJECT GEOTECHNICAL REPORT.

2. REFER TO THE PROJECT GEOTECHNICAL REPORT PREPARED BY ARDAMAN AND ASSOCIATES, INC., FILE NO. 113-25-40-1145, DATED MAY 29, 2025, FOR MORE INFORMATION AND REQUIREMENTS REGARDING THE SOIL IMPROVEMENT SYSTEM CONSISTING OF VIBRO STONE COLUMNS / VIBRO REPLACEMENT.

3. THE VIBRO STONE COLUMNS / VIBRO REPLACEMENT SOIL IMPROVEMENT SYSTEM SHALL CONSIST OF INSTALLING LOAD BEARING GRAVEL OR CRUSHED STONE COLUMNS USING VIBRATION AND BY EITHER THE WET TOP-FEED OR DRY BOTTOM-FEED METHOD. THE GRAVEL OR CRUSHED STONE COLUMNS SHALL REINFORCE THE SOILS LOCATED IMMEDIATELY UNDERNEATH LOAD-BEARING ELEMENTS AND DENSIFY THE SURROUNDING SOILS.

4. THE LOCATIONS, SPACINGS, DEPTHS, AND DIAMETERS OF THE STONE COLUMNS SHALL BE THOROUGHLY DETAILED ON SHOP DRAWINGS SIGNED AND SEALED BY THE FLORIDA LICENSED PROFESSIONAL ENGINEER COMPLETING THE DESIGN.

5. THE SIGNED AND SEALED SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE ARCHITECT/ENGINEER AND THE GEOTECHNICAL ENGINEER PRIOR TO BEGINNING WORK.

6. ON-SITE FIELD TESTS SHALL BE CONDUCTED TO VERIFY THAT THE STONE COLUMNS DESIGN PARAMETERS CAN BE ACHIEVED BY CONDUCTING STATIC LOAD TESTS, BOTH SINGLE AND IN GROUPS, PERFORMING COLUMN MATERIAL COMPRESSIVE STRENGTH TESTS, AND VERIFYING COLUMN DIAMETERS.

7. ONCE FIELD INSTALLATION AND TESTING PROCEDURES VERIFY THE DESIGN PARAMETERS HAVE BEEN MET, THE REMAINING STONE COLUMNS MAY BE INSTALLED AS SHOWN ON THE SHOP DRAWINGS AND USING THE SAME INSTALLATION METHODS UTILIZED DURING SITE TESTING.

8. THE PROJECT GEOTECHNICAL ENGINEER SHALL BE ON-SITE TO OBSERVE AND DOCUMENT THE INSTALLATION AND TESTING OF THE STONE COLUMNS IN ADDITION TO THE INSTALLATION OF THE FINAL FIELD INSTALLED STONE COLUMNS PER THE SHOP DRAWINGS. LOGS SHALL BE PROVIDED TO THE ARCHITECT/ENGINEER DOCUMENTING THE DIAMETERS, DEPTHS, SPACINGS, LOCATIONS, AND QUANTITIES OF STONE COLUMNS INSTALLED AND THE INSTALLATION METHOD USED.

COLUMN FOOTING SCHEDULE

LABEL	SIZE	THICKNESS	REINFORCING		
			TRANSVERSE	LONGITUDINAL	NOTES
F2.5	2'-6" x 2'-6"	1'-6"	(4) #5 x 2'-0" TOP (4) #5 x 2'-0" BOTT.	(4) #5 x 2'-0" TOP (4) #5 x 2'-0" BOTT.	
F4.0	4'-0" x 4'-0"	1'-6"	(4) #6 x 3'-6" TOP (4) #6 x 3'-6" BOTT.	(4) #6 x 3'-6" TOP (4) #6 x 3'-6" BOTT.	
F4.5	4'-6" x 4'-6"	1'-6"	(6) #5 x 4'-0" TOP (6) #5 x 4'-0" BOTT.	(6) #5 x 4'-0" TOP (6) #5 x 4'-0" BOTT.	
F8.5	8'-6" x 8'-6"	2'-6"	(13) #6 x 8'-0" TOP (13) #6 x 8'-0" BOTT.	(13) #6 x 8'-0" TOP (13) #6 x 8'-0" BOTT.	
F10.5	10'-6" x 10'-6"	2'-6"	(16) #6 x 10'-0" TOP (16) #6 x 10'-0" BOTT.	(16) #6 x 10'-0" TOP (16) #6 x 10'-0" BOTT.	

MASONRY WALL FOOTING SCHEDULE

LABEL	SIZE	THICKNESS	REINFORCING		
			BOTTOM STEEL	TOP STEEL	TRANSVERSE STEEL
WF2.5	2'-6" x CONT.	1'-6"	(4) #5 x CONT.	(4) #5 x CONT.	#4 TIES AT 16" O.C.
WF3.0	3'-0" x CONT.	1'-6"	(4) #5 x CONT.	(4) #5 x CONT.	#4 TIES AT 16" O.C.
WF4.0	4'-0" x CONT.	2'-0"	(5) #6 x CONT.	(5) #6 x CONT.	#4 TIES AT 16" O.C.
WF4.5	4'-6" x CONT.	1'-6"	(6) #5 x CONT.	(6) #5 x CONT.	#4 TIES AT 16" O.C.

MASONRY WALL REINFORCING SCHEDULE

LABEL	WIDTH	REINFORCING	COMMENTS
MW1	8" CMU	#5 @ 48"	
MW2	8" CMU	#6 @ 40"	
MW3	8" CMU	#6 @ 16"	
MW4	8" CMU	#5 @ 40"	
MW5	12" CMU	#6 @ 40"	
MW6	8" CMU	#6 @ 8"	
MW7	8" CMU	#6 @ 32"	
MW8	8" CMU	#6 @ 24"	

TENSION LAP SPLICE (CLASS B) SCHEDULE FOR REBAR IN CONCRETE

BAR	f'c = 3,000 PSI		f'c = 4,000 PSI		f'c = 5,000 PSI	
	TOP BARS	OTHERS	TOP BARS	OTHERS	TOP BARS	OTHERS
#3	28"	22"	25"	19"	22"	17"
#4	38"	29"	33"	25"	29"	23"
#5	47"	36"	41"	31"	36"	28"
#6	56"	43"	49"	37"	44"	34"
#7	81"	63"	71"	54"	63"	49"
#8	93"	72"	81"	62"	72"	56"
#9	105"	81"	91"	70"	81"	63"
#10	116"	89"	101"	78"	90"	69"

100% COMPLETE
BID DOCUMENTS
DONOFRO ARCHITECTS
NOT FOR CONSTRUCTION
SEPTEMBER 4TH, 2025

DHM
MELVIN ENGINEERING
TALLAHASSEE OFFICE
2541-1 BARRINGTON CIRCLE
TALLAHASSEE, FLORIDA 32308
Phone: 850.671.7221

KIMBERLY M. HOLLOWAY, P.E.
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SHEET TITLE: STRUCTURAL NOTES

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: AMM
CHECKED BY: KMH

SHEET No.
S-0.1

PART I ADMINISTRATION

1.1 EXPLANATION OF STRUCTURAL INSPECTION PLAN

A. THE NEW DUAL COURT RECREATIONAL FACILITY IS DEFINED AS A THRESHOLD BUILDING BY CHAPTER 553 OF THE FLORIDA STATUTES AND CHAPTER 2, SECTION 202, OF THE FLORIDA BUILDING CODE AND REQUIRES THE OWNER TO RETAIN A SPECIAL INSPECTOR.

B. THE SPECIAL INSPECTOR SHALL INSPECT ALL STRUCTURAL ELEMENTS OF THE NEW DUAL COURT RECREATIONAL FACILITY CONSTRUCTION AS SHOWN ON THE STRUCTURAL DRAWINGS AND ANY ASSOCIATED SHOP DRAWINGS IN ACCORDANCE WITH THIS PLAN TO VERIFY THAT THE WORK IS CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH THE CONTRACT DOCUMENTS, EXCEPT FOR ACCEPTED VARIATIONS.

1. THE CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED DRAWINGS, PROJECT SPECIFICATIONS, AND RECORDED ADDENDA AND AMENDMENTS.

2. EXCEPT AS NOTED, WORK OF THIS PLAN EXCLUDES THE INSPECTION OF ELEMENTS THAT DO NOT CONTRIBUTE TO THE CAPACITY OF THE PRIMARY STRUCTURAL FRAME. THIS INCLUDES, BUT IS NOT LIMITED TO: RAILINGS, FIRE PROTECTION, ROOFING, GLAZED WINDOW SYSTEMS, MECHANICAL/ELECTRICAL SYSTEMS, ARCHITECTURAL COMPONENTS, SITE WORK, AND OSHA SAFETY PROVISIONS OR OTHER SAFETY STANDARDS THAT APPLY DURING THE CONSTRUCTION PERIOD. EXTERIOR MASONRY SCREEN WALLS, SLABS-ON-GRADE, AUGER CAST PILES, AND STONE COLUMNS/VIBRO-REPLACEMENT ARE SPECIFICALLY INCLUDED, EVEN THOUGH THEY ARE NOT COVERED BY THE THRESHOLD PROVISIONS.

C. PROPOSALS FOR SPECIAL INSPECTION SERVICES SHALL BE SEPARATE AND INDEPENDENT FROM PROPOSALS FOR ALL OTHER MATERIALS TESTING AND QUALITY ASSURANCE SERVICES.

D. THE OWNER OR ENFORCING AGENCY MAY SUPPLEMENT THIS PLAN WITH ADDITIONAL INSPECTION REQUIREMENTS AS DEEMED NECESSARY DURING THE COURSE OF THE WORK.

1.2 QUALIFICATIONS OF THE SPECIAL INSPECTOR

A. THE SPECIAL INSPECTOR MAY SEND AN AUTHORIZED REPRESENTATIVE UNDER HIS RESPONSIBLE CHARGE TO UNDERTAKE INSPECTIONS AND SITE VISITS. AS USED IN THIS PLAN, THE TERM SPECIAL INSPECTOR INCLUDES HIS REPRESENTATIVE, U.O.N.

B. THE NAME OF THE SPECIAL INSPECTOR, CERTIFIED BY EITHER THE BOARD OF ARCHITECTURE OR THE BOARD OF PROFESSIONAL ENGINEERS, MUST BE SUBMITTED TO THE DEPARTMENT FOR APPROVAL. THE SPECIAL INSPECTOR SHALL BE A SINGULAR PERSON, NOT A FIRM OR COMPANY, NOR TWO OR MORE PERSONS TAKEN COLLECTIVELY. THE SPECIAL INSPECTOR MAY EMPLOY DULY AUTHORIZED TECHNICAL REPRESENTATIVES IN THE FIELD. HOWEVER, SUCH REPRESENTATIVES MUST:

1. BE A LICENSED ARCHITECT OR PROFESSIONAL ENGINEER, OR

2. A GRADUATE FROM A FOUR-YEAR ENGINEERING EDUCATION PROGRAM IN CIVIL, STRUCTURAL, OR ARCHITECTURAL ENGINEERING, OR

3. A GRADUATE FROM AN ARCHITECTURAL EDUCATION PROGRAM, OR

4. REGISTERED AS EITHER A BUILDING INSPECTOR OR A GENERAL CONTRACTOR, OR

5. HAS HAD FOURS YEARS OF THRESHOLD BUILDING INSPECTION TRAINING ON NON-THRESHOLD BUILDINGS PERFORMED UNDER THE SUPERVISION OF A SPECIAL INSPECTOR WHO WAS IN RESPONSIBLE CHARGE OF THE TRAINEE'S WORK, OR

6. POSSESSES CERTIFICATION(S) IN THE FOLLOWING AREA(S):
   a. IF INSPECTING CONCRETE COMPONENTS, CERTIFICATION FROM THE AMERICAN CONCRETE INSTITUTE (ACI) IN CONCRETE CONSTRUCTION SPECIAL INSPECTION PURSUANT TO THE QUALIFICATIONS OF SUCH CERTIFICATION ESTABLISHED BY ACI ON JANUARY 1, 2017,
   b. IF INSPECTING MASONRY COMPONENTS, CERTIFICATION FROM THE INTERNATIONAL CODE COUNCIL (ICC) IN STRUCTURAL MASONRY SPECIAL INSPECTION PURSUANT TO THE QUALIFICATIONS FOR SUCH CERTIFICATION ESTABLISHED BY ICC ON JANUARY 1, 2017,
   c. IF INSPECTING POST-TENSIONED COMPONENTS, CERTIFICATION FROM THE POST-TENSIONING INSTITUTE (PTI) IN POST-TENSIONING INSPECTION PURSUANT TO THE QUALIFICATIONS FOR SUCH CERTIFICATION ESTABLISHED BY PTI ON JANUARY 1, 2017,
   d. IF INSPECTING STRUCTURAL STEEL COMPONENTS, CERTIFICATION FROM THE INTERNATIONAL CODE COUNCIL OR AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) INSTRUCTURAL STEEL SPECIAL INSPECTION PURSUANT TO THE QUALIFICATIONS FOR SUCH CERTIFICATION ESTABLISHED BY ICC ON JANUARY 1, 2017 OR AISC ON JANUARY 1, 2017,
   e. IF INSPECTING SOIL RELATED COMPONENTS, CERTIFICATION FROM THE INTERNATIONAL CODE COUNCIL IN BASIC SOIL SPECIAL INSPECTION PURSUANT TO THE QUALIFICATIONS FOR SUCH CERTIFICATION ESTABLISHED BY ICC ON JANUARY 1, 2017.

C. RESUMES OF BOTH THE SPECIAL INSPECTOR AND THE REPRESENTATIVE(S) SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW.

D. THE SPECIAL INSPECTOR SHALL PROVIDE TO THE OWNER INSURANCE CERTIFICATES FOR ALL APPLICABLE COVERAGES, INCLUDING GENERAL LIABILITY, AUTOMOBILE, WORKMEN'S COMPENSATION, AND PROFESSIONAL LIABILITY SPECIFICALLY COVERING THE INSPECTIONS DESCRIBED IN THIS PLAN.

1.3 RESPONSIBILITIES AND LIMITATIONS OF THE SPECIAL INSPECTOR

A. THE SPECIAL INSPECTOR IS RESPONSIBLE TO THE OWNER AND THE ENFORCING AGENCY HAVING JURISDICTION FOR THIS PROJECT. THE SPECIAL INSPECTOR AND THE AUTHORIZED REPRESENTATIVE SHALL:

1. BECOME FAMILIAR WITH THE SPECIFIC STRUCTURAL COMPONENTS AND SYSTEMS THEY WILL BE INSPECTING.

2. DEVELOP A THOROUGH KNOWLEDGE OF THE APPLICABLE CONTRACT DOCUMENTS, ACCEPTED SUBMITTALS, AND GOVERNING CODES.

3. EXERCISE GOOD JUDGEMENT.

B. PRIOR TO STARTING WORK, THE SPECIAL INSPECTOR SHALL PROVIDE TO THE OWNER AND STRUCTURAL ENGINEER A CERTIFIED AFFIDAVIT ATTESTING THAT:

1. HE IS COMPETENT TO PROVIDE THE ENGINEERING SERVICES FOR THE SPECIFIC TYPE OF STRUCTURE.

2. HE HAS REVIEWED THE CONTRACT DOCUMENTS AND UNDERSTANDS THEIR CONTENT AND THE CONCEPT CONVEYED THEREIN.

3. HE HAS READ THE STRUCTURAL INSPECTION PLAN, UNDERSTANDS ITS INTENT AND INTENDS TO COMPLY WITH ITS REQUIREMENTS.

C. THE SPECIAL INSPECTOR IS RESPONSIBLE FOR INSPECTING THE STRUCTURE AS PREVIOUSLY DESCRIBED. REPORTS SHALL IDENTIFY WORK PERFORMED IN GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS, AS WELL AS THE LOCATION AND DESCRIPTION OF ANY DEVIATIONS.

D. THE SPECIAL INSPECTOR IS RESPONSIBLE FOR VERIFYING THAT THE WORK OF THE TESTING AGENCY COMPLIES WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

E. THE SPECIAL INSPECTOR SHALL VISIT THE SITE AT SUCH FREQUENCY TO SATISFY HIMSELF THAT HIS REPRESENTATIVE'S INSPECTIONS COMPLY WITH THIS PLAN.

F. THE SPECIAL INSPECTOR SHALL DEDICATE HIS ENTIRE TIME ON-SITE TO THE REQUIREMENTS OF THIS PLAN AND SHALL NOT PERFORM OTHER WORK, SUCH AS MATERIALS TESTING.

G. THE SPECIAL INSPECTOR SHALL CALL THE STRUCTURAL ENGINEER AT LEAST ONCE EACH WEEK TO DISCUSS DETAILS OF THE PROJECT AND TO CONFIRM THAT HE HAS UP-TO-DATE SKETCHES AND RFI RESPONSES.

H. THE PRESENCE OF THE SPECIAL INSPECTOR DOES NOT RELIEVE THE ENFORCING AGENCY, THE ARCHITECT OR THE STRUCTURAL ENGINEER OF THEIR RESPONSIBILITIES. THE SPECIAL INSPECTOR SHALL NOT MAKE DESIGN DECISIONS OR INTERPRETATIONS OF THE CONTRACT DOCUMENTS.

1.4 REPORTING

A. THE SPECIAL INSPECTOR SHALL RECORD PROGRESS, WORKING CONDITIONS, OBSERVATIONS, TESTING, DEVIATIONS FROM THE CONTRACT DOCUMENTS, AND ANY REQUIRED CORRECTIVE ACTION. HE SHALL RETAIN THE RECORDS FOR A MINIMUM OF 7 YEARS AFTER COMPLETION OF THE PROJECT.

B. THE SPECIAL INSPECTOR SHALL IMMEDIATELY NOTIFY THE CONTRACTOR IN PERSON, AND THE ARCHITECT AND STRUCTURAL ENGINEER BY TELEPHONE, OF MATERIALS, TESTS, EQUIPMENT, WORKMANSHIP OR CONSTRUCTION THAT:

1. DOES NOT CONFORM TO THE CONTRACT DOCUMENTS, OR

2. IS NOT INSPECTED OR TESTED AND CANNOT BE INSPECTED OR TESTED IN PLACE.

THE SPECIAL INSPECTOR SHALL THEN IMMEDIATELY ISSUE THOSE EXCEPTIONS IN WRITING TO THOSE LISTED ABOVE AND ATTACH A COPY TO THE DAILY INSPECTION REPORT.

C. THE SPECIAL INSPECTOR SHALL KEEP AN EXCEPTIONS FILE AND REVIEW IT ON A DAILY BASIS, UPDATING AS EXCEPTIONS ARE RECTIFIED. IF ANY EXCEPTIONS ARE NOT RESOLVED IN A TIMELY MANNER, THE SPECIAL INSPECTOR SHALL ISSUE A NON-COMPLIANCE NOTICE TO THE CONTRACTOR AND SHALL COPY THE ENFORCING AGENCY, OWNER'S REPRESENTATIVE, ARCHITECT AND STRUCTURAL ENGINEER.

1.4 REPORTING CONT'D

D. AFTER EACH INSPECTION, ALL REPORTS FOR THE PROJECT MUST BE SIGNED, SEALED, AND DATED BY THE SPECIAL INSPECTOR. THE REPORT SHALL INCLUDE THE FOLLOWING:

1. THE NAME AND LOCATION OF PROJECT; NAME OF INSPECTOR; PERMIT NUMBER; DATE; WORKING CONDITIONS, INCLUDING WEATHER AND TEMPERATURE; AND TYPE AND LOCATION OF WORK BEING PERFORMED.

2. DETAILS OF EACH INSPECTION, INCLUDING THE PRESENCE AND ACTIVITIES OF THE TESTING AGENCY.

3. NOTE DEFICIENCIES IN THE WORK AND ANY UNUSUAL CIRCUMSTANCES AFFECTING THE PERFORMANCE OF WORK, INCLUDING CHANGES IN MATERIALS OR WORK SEQUENCE. PLACE EMPHASIS ON RECURRING DEFICIENCIES.

4. IDENTIFY CORRECTIONS TO DEFICIENCIES LISTED IN PREVIOUS REPORTS.

SINCE THE SPECIAL INSPECTOR DOES NOT CERTIFY THAT THE CONTRACT DOCUMENTS ARE IN COMPLIANCE WITH THE GOVERNING CODES, ALL STATEMENTS ISSUED SHALL REFER TO WHETHER OR NOT COMPLETED WORK IS IN SUBSTANTIAL ACCORDANCE WITH THE CONTRACT DOCUMENTS.

E. THE REPORT SHALL ALSO COMMENT ON THE FOLLOWING, WHEN APPLICABLE:

1. TEST REPORTS THAT DO NOT COMPLY WITH THE CONTRACT DOCUMENTS.

2. THE GEOTECHNICAL ENGINEER'S INSPECTION REPORTS.

3. SHORING AND RE-SHORING ENGINEER'S INSPECTION REPORTS.

4. CHANGES MADE IN THE FIELD.

THE REPORT SHALL ALSO INCLUDE PHOTOGRAPHS.

F. THE SPECIAL INSPECTOR SHALL SUBMIT THE REPORTS TO THE ENFORCING AGENCY, OWNER'S REPRESENTATIVE, ARCHITECT AND STRUCTURAL ENGINEER UNDER A SIGNED AND SEALED COVER LETTER ON A WEEKLY BASIS.

G. THE INSPECTOR SHALL POST AT THE JOBSITE A LOG SUMMARIZING ALL INSPECTIONS. THE HEADER SHALL CONTAIN, AS A MINIMUM, THE PROJECT NAME AND LOCATION; PERMIT NUMBER; AND THE NAME OF THE SPECIAL INSPECTOR, OWNER, AND CONTRACTOR. THE INSPECTOR SHALL WRITE AN ENTRY AFTER EACH INSPECTION THAT INCLUDES THE DATE, CONSTRUCTION PHASE, WORK DESCRIPTION, COMMENTS, HIS SIGNATURE, AND WHETHER THE WORK INSPECTED IS APPROVED OR REJECTED.

H. THE SPECIAL INSPECTOR, UPON COMPLETION OF THE BUILDING AND PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, MUST FILE A SIGNED AND SEALED STATEMENT WITH THE CITY OF MARIANNA IN SUBSTANTIALLY THE FOLLOWING FORM: "TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE CONSTRUCTION OF ALL STRUCTURAL LOAD-BEARING COMPONENTS DESCRIBED IN THE STRUCTURAL INSPECTION PLAN COMPLIES WITH THE APPROVED DOCUMENTS, AND THE SPECIALTY SHORING DESIGN PROFESSIONAL ENGINEER HAS ASCERTAINED THAT THE SHORING AND RESHORING CONFORMS WITH THE SHORING AND RESHORING PLANS SUBMITTED TO THE CITY OF MARIANNA (AS APPLICABLE)."

I. ADDITIONALLY, DURING INSPECTION ALL SHORING PLANS ARE TO BE FILED WITH THE CITY OF MARIANNA.

1.5 CONTRACTOR REQUIREMENTS

A. THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR WITH AN OFFICE AT THE CONSTRUCTION SITE THAT INCLUDES, AS A MINIMUM, A DESK, CHAIR, PLAN TABLE, PLAN RACK, FILING CABINET, TELEPHONE, UTILITIES, AIR CONDITIONING, JANITORIAL SERVICES, PARKING ON SITE AND ACCESS TO A FAX MACHINE.

B. THE CONTRACTOR SHALL FURNISH TO THE SPECIAL INSPECTOR COPIES OF ALL REVIEWED AND APPROVED SUBMITTALS FOR STRUCTURAL ELEMENTS, EXCLUDING CALCULATIONS, IN A TIMELY MANNER.

C. THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES AND SHALL PROVIDE HIM WITH FREE ACCESS TO THE WORK AT ALL TIMES.

D. THE INSPECTOR SHALL MAKE SPOT INSPECTIONS OF WORK IN PROGRESS IN AN EFFORT TO DETECT DEVIATIONS EARLY. HOWEVER, THIS DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CORRECTING DEVIATIONS FROM THE CONTRACT DOCUMENTS DISCOVERED AT ANY TIME.

E. IN ORDER TO ASSURE TIMELY AND APPROPRIATE INSPECTIONS, THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS A MINIMUM OF 24 HOURS PRIOR TO THE TIME OF THE INSPECTION. REINFORCING STEEL INSPECTIONS SHALL BE SCHEDULED FOR AT LEAST ONE HOUR PRIOR TO CONCRETE DELIVERY.

F. IF ANY OF THE CONTRACTOR'S WORK IS NOT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS, HE MAY EITHER CORRECT IT OR SUBMIT TO THE ARCHITECT/ENGINEER A REQUEST FOR ACCEPTANCE OF THE DEVIATION.

G. CONSTRUCTION THAT IS NOT INSPECTED AND THAT CANNOT BE INSPECTED MAY REQUIRE TESTING OR REMOVAL AS DETERMINED BY THE STRUCTURAL ENGINEER.

H. IF WORK IS NOT IN SUBSTANTIAL ACCORDANCE WITH THE CONTRACT DOCUMENTS, OR IF ANY CONSTRUCTION IS NOT INSPECTED AND CANNOT BE INSPECTED, THE SPECIAL INSPECTOR WILL NOT BE ABLE TO ISSUE A COMPLETION STATEMENT AND THE BUILDING WILL NOT RECEIVE A CERTIFICATE OF OCCUPANCY.

I. SPECIAL INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS, ANY STATUTORY OR CONTRACTUAL OBLIGATIONS, NOR HIS RESPONSIBILITIES TO CARRY OUT QUALITY CONTROL INSPECTIONS AND TESTING. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS AND SHALL BEAR THE COST OF ANY REQUIRED CORRECTIONS. WHILE THE SPECIAL INSPECTOR SHALL COOPERATE WITH THE CONTRACTOR, HE SHALL NEITHER DIRECT THE CONTRACTOR'S WORK NOR BE RESPONSIBLE FOR HIS CONSTRUCTION MEANS AND METHODS.

J. ALL SHORING AND RE-SHORING SHALL BE INSTALLED IN ACCORDANCE WITH THE DELEGATED SHORING ENGINEER'S SIGNED AND SEALED SHORING AND RE-SHORING DRAWINGS. THE SHORING ENGINEER OR HIS REPRESENTATIVE SHALL INSPECT THE SHORING AND RESHORING PRIOR TO EACH CONCRETE POUR TO CONFIRM THAT THE WORK COMPLIES WITH THE DRAWINGS AND SPECIFICATIONS. THE INSPECTOR SHALL PROVIDE HIS WRITTEN REPORT TO THE SPECIAL INSPECTOR. SEE STRUCTURAL NOTES AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS.

K. THE CONTRACTOR SHALL RETAIN A GEOTECHNICAL CONSULTANT AND TESTING AGENCY AS REQUIRED BY THE CONTRACT DOCUMENTS.

1.6 OWNER REQUIREMENTS

A. THE OWNER SHALL ARRANGE FOR THE SPECIAL INSPECTOR TO RECEIVE ALL APPROPRIATE CONTRACT DOCUMENTS, INCLUDING TWO COMPLETE SETS OF ALL ARCHITECTURAL AND STRUCTURAL DOCUMENTS, INCLUDING DRAWINGS AND SPECIFICATIONS, AND THE GEOTECHNICAL REPORT AT THE START OF CONSTRUCTION. THE OWNER SHALL ALSO ENSURE THAT THE SPECIAL INSPECTOR RECEIVES IN A TIMELY MANNER ALL MATERIAL TEST REPORTS AND TWO COPIES OF ALL STRUCTURAL CHANGES, REVISIONS, ADDENDA, ETC.

PART II INSPECTIONS

2.1 GENERAL

THE FOLLOWING IS A GENERAL STRUCTURAL INSPECTION PLAN DESCRIBING WORK TO BE PERFORMED BY THE SPECIAL INSPECTOR. THE INTENT IS TO DESCRIBE THE MINIMUM REQUIREMENTS NECESSARY TO CONFIRM THAT WORK COMPLIES WITH THE CONTRACT DOCUMENTS. THE FOLLOWING ARE NOT INSPECTOR CHECK LISTS BUT POINT OUT SOME CRITICAL AREAS REQUIRING SPECIFIC ATTENTION BY THE SPECIAL INSPECTOR.

2.2 SHALLOW FOUNDATION AND SLAB-ON-GRADE PREPARATION

A. THE GEOTECHNICAL CONSULTANT OR TESTING AGENCY RETAINED BY THE CONTRACTOR SHALL MONITOR AND TEST ALL BACKFILL AND COMPACTION OPERATIONS AND SHALL CONFIRM THAT THE SUBGRADE PREPARATION OF ALL FOUNDATIONS AND SLAB-ON-GRADE COMPLIES WITH THE GEOTECHNICAL REPORT AND THE CONTRACT DOCUMENTS. HE/SHE SHALL FURNISH THE SPECIAL INSPECTOR WITH DAILY REPORTS AS WELL AS THE COMPLETION REPORT REQUIRED BY THE CONTRACT DOCUMENTS.

B. VERIFY THAT SUBGRADE DISTURBED BY OTHER TRADES IS PROPERLY RECOMPACTED.

2.3 CAST-IN-PLACE CONCRETE

A. THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR A MINIMUM OF 24 HOURS PRIOR TO THE PLACEMENT OF ANY STRUCTURAL CONCRETE.

B. INSPECT SHORING, RESHORING AND FORMWORK AS FOLLOWS:

1. VERIFY THAT THE DELEGATED SHORING AND RESHORING ENGINEER HAS CONFIRMED THAT THE SHORING AND RESHORING ARE IN COMPLIANCE WITH HIS SHOP DRAWINGS. ADDITIONALLY, THE SPECIAL INSPECTOR SHALL INSPECT THE SHORING AND RESHORING FOR CONFORMANCE WITH THE SHORING AND RESHORING PLANS SUBMITTED TO THE ENFORCING AGENCY.

2. SPOT CHECK SHORING AND RESHORING LAYOUT, ALIGNMENT AND MATERIALS.

3. CONFIRM THAT THE TIMING OF SHORING, RESHORING, AND FORMWORK PROCEDURES AND REMOVAL COMPLY WITH THE CONTRACT DOCUMENTS AND THE SHORING AND RESHORING DRAWINGS. WHERE APPROPRIATE, VERIFY THAT CONCRETE TEST CYLINDER STRENGTH IS ADEQUATE PRIOR TO FORM REMOVAL.

C. VERIFY THAT SLAB THICKNESS IS MAINTAINED AT SLAB DEPRESSIONS AND STEPS.

2.3 CAST-IN-PLACE CONCRETE CONT'D

D. INSPECT REINFORCING STEEL PER THE STRUCTURAL DRAWINGS, SUPPLEMENTED BY THE APPROVED SHOP DRAWINGS, TO VERIFY THE FOLLOWING:

1. REINFORCING STEEL GRADE, SIZE, QUANTITY, CONFIGURATION AND SPACING.

2. REINFORCING STEEL IS ADEQUATELY SUPPORTED AND TIED TO RESIST DISPLACEMENT DURING CONCRETE POUR AND THAT CONCRETE COVER IS PROPER.

3. HOOKED BARS ARE PLACED PROPERLY.

4. EMBEDMENT LENGTHS, SPLICE LOCATIONS AND LAP SPLICE LENGTHS ARE ACCEPTABLE.

5. PROPER TIE SPACING.

6. CONFIRM THAT REINFORCING STEEL SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY. VERIFY THAT FORM OIL, WHERE USED, IS APPLIED BEFORE REINFORCING STEEL IS PLACED.

7. REINFORCING STEEL LAYERS IN SLABS AND WALLS ARE PROPER.

E. INSPECT WELDED WIRE REINFORCEMENT TO VERIFY THE FOLLOWING:

1. WIRE SIZE AND SPACING IN EACH DIRECTION COMPLY WITH THE STRUCTURAL DRAWINGS.

2. WWR IS ADEQUATELY SUPPORTED AND TIED TO RESIST DISPLACEMENT DURING CONCRETE POUR AND THAT CONCRETE COVER IS PROPER.

3. SPLICES ARE ADEQUATE LENGTH AND PROPERLY TIED.

4. WWR SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY.

F. CHECK THAT EXPANSION JOINT MATERIAL, DOVETAIL SLOTS, ANCHORS, EMBEDDED CONDUITS, AND LOAD CARRYING EMBEDDED ITEMS ARE PROPERLY POSITIONED AND SECURED TO RESIST DISPLACEMENT DURING CONCRETING. RELOCATION OF OR MODIFICATION TO STRUCTURAL ITEMS DUE TO CONFLICT WITH REINFORCING IS PROHIBITED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.

G. INSPECT CONSTRUCTION JOINTS AS FOLLOWS:

1. VERIFY THAT DOWELS, KEYWAYS AND BULKHEADS COMPLY WITH THE CONTRACT DOCUMENTS.

2. CONFIRM THAT SLAB CONSTRUCTION JOINT LOCATIONS COMPLY WITH THE CONTRACTOR'S CONSTRUCTION JOINT PLAN SUBMITTED TO THE ARCHITECT.

H. VERIFY THAT SAWCUT JOINTS ARE:

1. PROVIDED ONLY WHERE INDICATED.

2. THE PROPER DEPTH, SPACING AND LOCATION.

3. PROVIDED IN THE TIME FRAME INDICATED IN THE CONTRACT DOCUMENTS.

I. CHECK THAT ALL FOREIGN MATERIAL IS REMOVED FROM FORMS OR EXCAVATIONS PRIOR TO CONCRETING.

J. INSPECTOR SHALL REVIEW CONCRETE TEST REPORTS AND BE ON SITE AT THE START OF EACH CONCRETE POUR REQUIRING INSPECTION BY THIS PLAN. REMAIN ON SITE FOR A SUFFICIENT TIME TO CONFIRM THAT CONCRETING PRACTICES ARE PROPER AND COMPLY WITH ACI 301, ASTM C94 AND OTHER RECOGNIZED INDUSTRY STANDARDS, INCLUDING THE FOLLOWING:

1. ALL REINFORCING STEEL CORRECTIONS ARE COMPLETED PRIOR TO CASTING CONCRETE.

2. THE FIRST CONCRETE TRUCK OF EACH TYPE OF CONCRETE POUR HAS THE PROPER CONCRETE MIX NUMBER AND STRENGTH AND THAT THE BATCH TIME LEAVES SUFFICIENT TIME TO POUR ALL CONCRETE FROM THE TRUCK. SPOT CHECK FUTURE TRUCKS.

3. THE TESTING AGENCY IS ON SITE FOR EACH TYPE OF CONCRETE POUR TO TEST CONCRETE AS REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING MIXING TIME, TEMPERATURE, SLUMP, AND AIR CONTENT, AND REPORTS ANY CONCRETE DELIVERED THAT IS NOT AS SPECIFIED. CHECK THAT ADDITION OF WATER TO THE CONCRETE MIX IN THE FIELD COMPLIES WITH THE GUIDELINES IN THE CONTRACT DOCUMENTS.

4. CONCRETE IS BEING CONVEYED FROM MIXER TO PLACE OF FINAL DEPOSIT BY RECOGNIZED INDUSTRY STANDARDS. CONCRETE IS BEING PLACED CONTINUOUSLY, OR IN A MANNER TO AVOID PLACING CONCRETE AGAINST HARDENED CONCRETE, RESULTING IN THE FORMATION OF SEAMS OR PLANES OF WEAKNESS.

5. CONCRETE IS BEING CONSOLIDATED AND THOROUGHLY WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS AND INTO CORNERS OF FORMS, ELIMINATING AIR OR STONE POCKETS THAT MAY CAUSE HONEYCOMBING, PITTING OR PLANES OF WEAKNESS.

6. SPOT CHECK THAT CURING PROCEDURES COMPLY WITH THE CONTRACT DOCUMENTS, ACI 308, "STANDARD PRACTICE FOR CURING CONCRETE" AND OTHER RECOGNIZED INDUSTRY STANDARDS.

K. INSPECTOR SHALL VERIFY THE SIZE AND THICKNESS OF FOOTINGS, CHECK THE REBAR CLEAR COVER AND VERIFY THE SIZE, TYPE AND PLACEMENT OF REBAR.

L. AFTER FORMWORK REMOVAL, SPOT CHECK CONCRETE SURFACES FOR HONEYCOMBING AND VOIDS.

M. INSPECT EXPANSION ANCHORS AND CHEMICAL ADHESIVES FOR ANCHORING REINFORCING STEEL AND THREADED RODS USED TO SUPPORT WORK DESCRIBED IN THIS PLAN AS FOLLOWS:

1. VERIFY HOLE DIAMETER, DEPTH, LOCATION, SPACING, AND EDGE DISTANCE AND CONFIRM THAT HOLE HAS BEEN THOROUGHLY CLEANED AS REQUIRED BY MANUFACTURER.

2. VERIFY THAT EXPANSION ANCHORS ARE PROPERLY TIGHTENED.

3. VERIFY THAT THE EPOXY TYPE IS PROPER FOR THE APPLICATION, SUCH AS PASTE FOR HORIZONTAL HOLES. VERIFY THAT EPOXY MIXING AND INSTALLATION COMPLY WITH MANUFACTURER'S REQUIREMENTS.

2.4 MASONRY

A. INSPECT ALL REINFORCED MASONRY PER TMS 402/602 AND AS FOLLOWS:

1. SPOT CHECK THAT MATERIALS ARE PROPERLY STORED.

2. WORKMANSHIP.

3. UNIT SIZE, STRENGTH AND WEIGHT.

4. MORTAR AND GROUT TYPE, MIXING AND PLACEMENT.

5. PLACEMENT OF REINFORCING STEEL AND JOINT REINFORCING, INSERTS, ANCHORS AND OTHER STRUCTURAL ASPECTS.

6. CHECK CLEANOUT AREAS TO CONFIRM THAT CELLS TO BE REINFORCED ARE CLEAN AND FREE OF ALL FOREIGN MATERIAL AND THAT VERTICAL BAR IS TIED TO DOWEL.

7. CONTROL JOINT CONSTRUCTION.

8. DURING GROUTING, VERIFY THAT ALL CELLS ARE FILLED SOLID AND THAT GROUT IS CONSOLIDATED AS REQUIRED BY THE CONTRACT DOCUMENTS. IF IN DOUBT AFTER COMPLETION, CHECK USING A HAMMER.

9. CHECK CONNECTION OF SIDE OR TOP OF WALL TO SUPPORTING ELEMENTS.

10. CHECK TIE BEAM AND TIE COLUMN SIZE, SPACING AND REINFORCING.

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SHEET TITLE: STRUCTURAL INSPECTION PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION, REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: AMM
CHECKED BY: KMH

100% COMPLETE
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SEPTEMBER 4TH, 2025

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S-0.2

2.5 PRE-ENGINEERED METAL BUILDING

A. INSPECT MATERIALS FOR PROPER SIZE, CONDITION, THICKNESS, GAUGE, SPACING, FINISH, AND FABRICATION INCLUDING QUANTITY AND SIZE OF FASTENERS PER CONTRACT DOCUMENTS AND SHOP DRAWINGS.

B. INSPECT MATERIALS FOR MARK NUMBERS AND CONFIRM ACTUAL LAYOUT IS IN ACCORDANCE WITH LAYOUT PLAN AND MARK NUMBER LOCATIONS INDICATED ON VENDOR DRAWINGS.

C. INSPECT ERECTION FOR LOCATION, LEVELNESS, PLUMBNESS, STRAIGHTNESS, AND FIT.

D. INSPECT ANCHOR BOLTS, BASE PLATES, EMBED. PLATES, CONNECTOR PLATES, THREADED RODS, STRUCTURAL BOLTS, AND ANY OTHER ACCESSORIES CONNECTING THE PRE-ENGINEERED METAL BUILDING COMPONENTS TO THE SURROUNDING STRUCTURE OR TO EACH OTHER TO VERIFY CONNECTOR, QUANTITY OF FASTENERS, FINISH, AND THICKNESS.

E. INSPECT BRACING TO ENSURE THE CORRECT AMOUNT, TYPE, SIZE, AND CONFIGURATION OF PERMANENT BRACING IS INSTALLED. ALSO INSPECT BRACING ATTACHMENT TO THE PRE-ENGINEERED METAL BUILDING COMPONENTS AND TO THE SURROUNDING STRUCTURE TO ENSURE CONFORMANCE WITH SHOP DRAWINGS AND CONTRACT DOCUMENTS. SPOT CHECK THAT TEMPORARY CONNECTIONS AND BRACING ARE INSTALLED. NOTE: SAFETY AND ERECTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

F. VERIFY PRE-ENGINEERED METAL BUILDING TYPE, SIZE, SPACING, FASTENER CONNECTIONS, STRAIGHTNESS, AND CONNECTIONS TO THE SURROUNDING STRUCTURE(S) AND FOUNDATIONS.

G. VERIFY WALL GIRTS AND ROOF PURLINS TYPE, SIZE, SPACING, FASTENER CONNECTIONS, AND STRAIGHTNESS.

2.6 METAL ROOF AND WALL DECK

A. CHECK ALL STEEL DECKS PER SDI SPECIFICATIONS AND AS FOLLOWS:

1. DECK TYPE, SIZE, GAGE, FINISH, CONDITION, LAPS, ACCESSORIES, AND REINFORCEMENT AROUND OPENINGS.
2. SPACING AND TYPE OF ALL CONNECTIONS.
3. WELDING PROCEDURES.
4. WELD SIZE, SHAPE, QUALITY, RUST PROTECTIONS AND WELD WASHERS, WHERE APPLICABLE.
5. SCREW SIZE, TYPE AND FINISH AND OTHER CONNECTIONS TO SUPPORTS.
6. INSPECT MATERIALS FOR MARK NUMBERS AND CONFIRM ACTUAL LAYOUT IS IN ACCORDANCE WITH LAYOUT PLAN AND MARK NUMBER LOCATIONS INDICATED ON VENDOR DRAWINGS.
7. INSPECT JOINTS AND SIDELAP CONNECTIONS FOR CONFORMITY TO CONSTRUCTION PLAN DETAILS.

2.7 STONE COLUMNS GROUND IMPROVEMENT SYSTEM

A. MONITOR INSTALLATION OF THE STONE COLUMNS GROUND IMPROVEMENT SYSTEM AND THEIR TESTING TO VERIFY CONFORMANCE WITH APPROVED COMPACTION, APPROVED DESIGN, AND APPROVED SHOP DRAWINGS.

B. THE GEOTECHNICAL CONSULTANT OR TESTING AGENCY RETAINED BY THE CONTRACTOR SHALL MONITOR AND TEST COMPACTION OF THE STONE COLUMNS.

C. THE INSPECTOR SHALL READ AND FAMILIARIZE HIS/HER SELF WITH THE STONE COLUMNS GROUND IMPROVEMENT SPECIFICATION, APPROVED STONE COLUMNS DESIGN, AND APPROVED SHOP DRAWINGS TO PROVIDE ADEQUATE INSPECTION/OBSERVANCE OF THE STONE COLUMNS INSTALLATION.

2.8 STRUCTURAL STEEL FRAMING, MISCELLANEOUS STEEL, AND HEADED STUDS

A. INSPECT MATERIALS FOR PROPER SIZE, CONDITION, FINISH, GRADE AND FABRICATION INCLUDING CUTTING, NOTCHING, CAMBER AND HOLES PER CONTRACT DOCUMENTS AND SHOP DRAWINGS.

B. INSPECT ERECTION FOR LOCATION, LEVELNESS, PLUMBNESS, STRAIGHTNESS, FINISH, AND FIT.

C. GENERALLY INSPECT BOLTED CONNECTIONS FOR PROPER NUMBER, TYPES, SIZES AND TIGHTENING OF BOLTS. CHECK THAT BOLTS ARE CLEAN AND LUBRICATED, HAVE PROPER WASHERS, AND CONFORM TO THE SPECIFICATIONS. SPOT CHECK THE BOLT TIGHTENING SEQUENCE. VISUALLY VERIFY PROPER DEGREE OF BOLT TIGHTENING, PARTICULARLY OF ALL SLIP-CRITICAL BOLTS. CHECK 10% OF LOAD INDICATOR WASHERS WITH A FEELER GAUGE.

D. MAKE A VISUAL INSPECTION OF ALL WELDS FOR TYPE, LENGTH, SIZE AND QUALITY OF WELD. VERIFY WELDERS ON SITE MAKING FIELD WELDS HAVE CURRENT AWS CERTIFICATES FOR THE TYPE OF WELDS BEING MADE. VERIFY THAT SPECIFIED TESTING IS PERFORMED BY THE TESTING AGENCY. VERIFY THAT WELDS ARE CLEAN AND FREE FROM SLAG AND THAT RUST PROTECTION HAS BEEN APPLIED PER SPECIFICATIONS.

E. INSPECT HEADED STUD ANCHORS FOR SIZE, LENGTH, SPACING AND WELDING AS REQUIRED BY THE CONTRACT DOCUMENTS.

F. INSPECT THE SETTING OF SHELF ANGLES, BEARING PLATES, EMBEDS AND MISCELLANEOUS STRUCTURAL ITEMS TO VERIFY SIZE, QUANTITY, LOCATION AND FINISH.

G. VISUALLY INSPECT ALL FIELD WELDING AND BOLTING.

H. VERIFY TESTING AND SECONDARY INSPECTIONS REQUIRED BY THE CONTRACT DOCUMENTS ARE PERFORMED.

I. CONFIRM THAT PAINT IS ONLY APPLIED ON APPROPRIATE SURFACES.

J. STRUCTURAL STEEL SHOP INSPECTIONS:

1. THE CONTRACT DOCUMENTS PLACE RESPONSIBILITY FOR SHOP INSPECTION AND TESTING WITH THE FABRICATOR'S QUALITY CONTROL PROGRAM. THE SPECIAL INSPECTOR SHALL BECOME FAMILIAR WITH THIS PROGRAM.
2. VISIT EACH FABRICATION SHOP PERIODICALLY TO VERIFY THAT, IN GENERAL, THE FABRICATOR IS COMPLYING WITH ALL ASPECTS OF THE QUALITY CONTROL PROGRAM AND THE CONTRACT DOCUMENTS. REVIEW THE TEST REPORTS, VERIFY WELDER'S CERTIFICATES, AND SPOT CHECK SPECIFIC CONDITIONS. ISSUE A REPORT OF ALL FINDINGS.

2.9 LIGHT GAGE FRAMING

A. THE SPECIAL INSPECTOR SHALL INSPECT ALL FRAMING USING BOTH THE CONTRACT DOCUMENTS AND THE APPROVED SHOP DRAWINGS.

B. INSPECT ALL FRAMING MEMBERS FOR TYPE, SIZE, GAGE AND SPACING.

C. INSPECT ALL CONNECTIONS AND VERIFY COMPLIANCE PRIOR TO CONCEALMENT.

1. INSPECT SCREW TYPE, SIZE, QUANTITY, SPACING AND EDGE DISTANCE.
2. INSPECT CONNECTION MATERIALS SUCH AS PLATES AND ANGLES, INCLUDING GAGE OF MATERIAL, LENGTH AND CONFIGURATION.
3. INSPECT ALL WELDING FOR SIZE, LENGTH AND QUALITY. VERIFY THAT NO EXCESSIVE BURNING OR NOTCHING HAS OCCURRED.
4. INSPECT ATTACHMENT TO STRUCTURE, INCLUDING FASTENERS. VERIFY THAT FASTENERS ARE SPECIFIED SIZE AND TYPE AND ARE PROPERLY INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

2.10 OPEN WEB STEEL JOISTS

A. CHECK ALL OPEN WEB STEEL JOISTS PER SJI SPECIFICATIONS AND AS FOLLOWS:

1. INSPECT MATERIALS FOR MARK NUMBERS AND CONFIRM ACTUAL LAYOUT IS IN ACCORDANCE WITH LAYOUT PLAN AND MARK NUMBER LOCATIONS INDICATED ON VENDOR DRAWINGS.
2. INSPECT ERECTION FOR LOCATION, PLUMB AND FIT.
3. INSPECT EMBED PLATES OR OTHER SUPPORTING STRUCTURE TO ENSURE PROPER ALIGNMENT.
4. INSPECT BRIDGING TO ENSURE THE CORRECT AMOUNT, TYPE AND SIZE BRIDGING IS INSTALLED. ALSO INSPECT BRIDGING ATTACHMENT TO SUPPORTING STRUCTURE TO ENSURE CONFORMANCE WITH VENDOR DRAWINGS.
5. VERIFY THAT THE SIZE OF THE OPEN WEB STEEL JOISTS ARE CORRECT.
6. INSPECT THE SETTING OF SHELF ANGLES, BEARING PLATES AND MISCELLANEOUS STRUCTURAL ITEMS TO VERIFY SIZE, QUANTITY, LOCATION AND FINISH.
7. VERIFY JOIST TYPE, SIZE, SPACING, CONNECTION, STRAIGHTNESS AND FINISH. SPOT CHECK WEB AND CHORD SHOP WELDS.
8. CHECK THAT JOIST BEARING COMPLY WITH THE CONTRACT DOCUMENTS AND SHOP DRAWINGS.
9. VERIFY THAT THE PERMANENT BRIDGING IS INSTALLED. SPOT CHECK THAT TEMPORARY CONNECTIONS AND BRACING ARE INSTALLED. NOTE: SAFETY AND ERECTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
10. VISUALLY INSPECT ALL FIELD WELDING AND BOLTING.

PART III TESTING AND SUBMITTALS

3.1 MATERIALS TESTING

A. THE TESTING AGENCY RETAINED BY THE CONTRACTOR SHALL PERFORM ALL TESTS DESCRIBED IN THE CONTRACT DOCUMENTS AND SHALL PROVIDE A REPORT OF EACH TEST OF WORK DESCRIBED IN THIS PLAN TO THE OWNER, CONTRACTOR, ARCHITECT/ENGINEER AND SPECIAL INSPECTOR.

B. THE SPECIAL INSPECTOR SHALL REVIEW ALL MATERIAL TEST REPORTS UPON RECEIPT AND SHALL INCLUDE IN HIS REPORT ANY RESULTS THAT DO NOT COMPLY WITH THE CONTRACT DOCUMENTS.

C. THE SPECIAL INSPECTOR MAY REQUEST THE OWNER'S REPRESENTATIVE OR CONTRACTOR TO AUTHORIZE ADDITIONAL TESTS WHEN APPROPRIATE.

3.2 STRUCTURAL SUBMITTALS

A. THE SPECIAL INSPECTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL SUBMITTALS. THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR WITH ONE COPY OF ALL STRUCTURAL SUBMITTALS, EXCLUDING CALCULATIONS, AND ALL ACCEPTED ALTERNATES FOR HIS RECORD AND USE. ALL SHOP DRAWINGS AND OTHER SUBMITTALS REFERENCED IN THIS PLAN SHALL CONTAIN EVIDENCE OF REVIEW AND ACCEPTANCE BY THE CONTRACTOR, ARCHITECT, AND STRUCTURAL ENGINEER. AS A MINIMUM, THE FOLLOWING SUBMITTALS SHALL BE PROVIDED.

1. REINFORCING STEEL FABRICATION AND PLACEMENT DRAWINGS AND BAR LISTS.
2. CONCRETE MIX DESIGNS FOR EACH PROPOSED STRENGTH AND TYPE OF CONCRETE.
3. MASONRY TEST REPORTS AND MORTAR AND GROUT DESIGN MIXES.
4. THE DELEGATED SHORING AND RE-SHORING ENGINEER'S INSPECTION REPORTS AND SIGNED AND SEALED DRAWINGS PRIOR TO PLACEMENT OF CONCRETE, WHEN REQUIRED.
5. FABRICATION AND ERECTION DRAWINGS FOR EMBEDDED ANCHORS, CONNECTION PLATES, HANGERS, AND ALL OTHER STRUCTURAL METALS.
6. PRE-ENGINEERED METAL BUILDING SHOP AND ERECTION DRAWINGS.
7. STRUCTURAL STEEL, MISCELLANEOUS STEEL, AND HEADED STUDS FABRICATION AND ERECTION DRAWINGS, MILL TEST REPORTS, AND WELDER CERTIFICATES.
8. WELDER CERTIFICATES.
9. OPEN WEB STEEL BAR JOIST SHOP AND ERECTION DRAWINGS.
10. METAL ROOF AND WALL DECK SHOP AND ERECTION DRAWINGS.
11. EXTERIOR OR LOAD-BEARING LIGHT GAGE FRAMING SHOP AND ERECTION DRAWINGS.
12. STONE COLUMNS GROUND IMPROVEMENT SYSTEM SHOP DRAWINGS.

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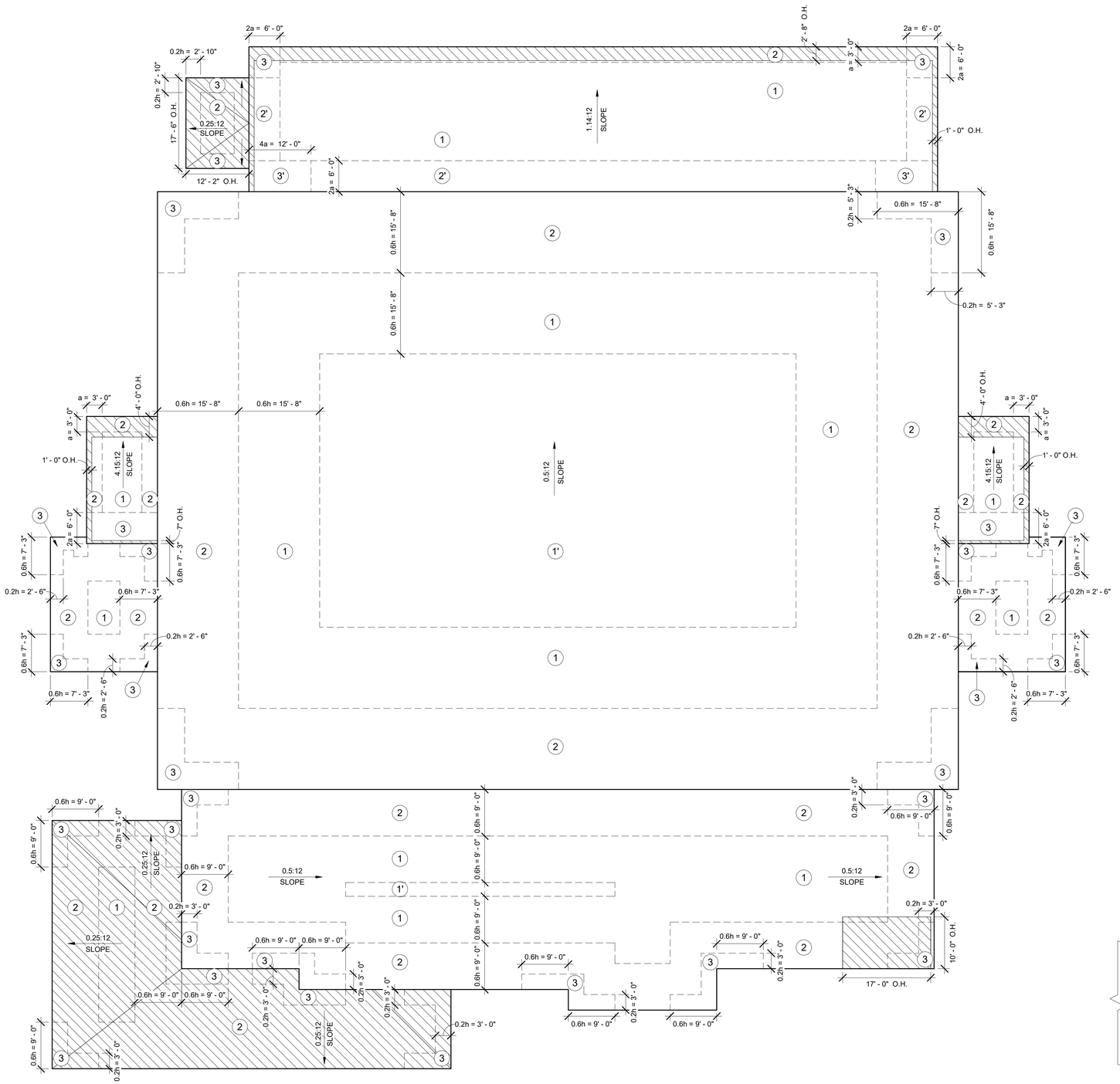
SHEET TITLE: STRUCTURAL INSPECTION PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
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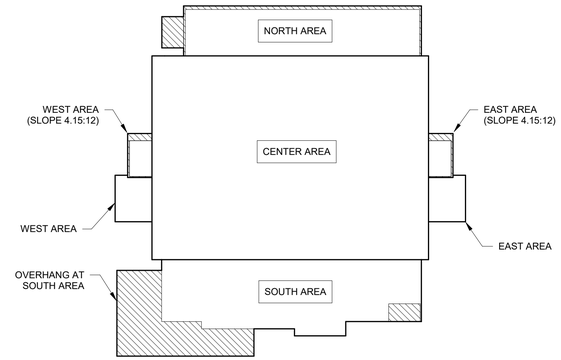


C&C ROOF WIND LOAD DIAGRAM

SCALE: 3/32" = 1'-0"

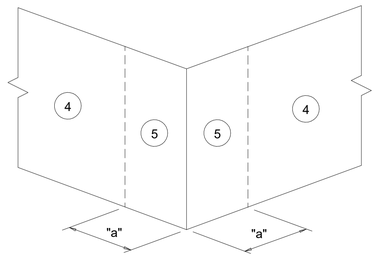
C&C LEGEND:

- WIND LOAD SEPARATION
- OVERHANG



1 S-1.0 ROOF LAYOUT

SCALE: 1" = 40'-0"



C&C WALL DIAGRAM

100% COMPLETE BID DOCUMENTS

DONOFRO ARCHITECTS

NOT FOR CONSTRUCTION

SEPTEMBER 4TH, 2025

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FLORIDA REG. NO. 69166

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DONOFRO ARCHITECTS

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SHEET TITLE: C&C WIND LOAD DIAGRAMS

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION, REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: AMM
CHECKED BY: KMH

SHEET No.

S-1.0

COMPONENTS AND CLADDING WIND PRESSURES
FOR MONOSLOPE ROOF - NORTH AREA - SLOPE 1.14:12

ROOF ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1	10	+26.8	-71.4
	20	+25.1	-71.4
	50	+22.9	-71.4
	100	+21.2	-71.4
	200	+21.2	-71.4
	500	+21.2	-71.4
2	10	+26.8	-82.6
	20	+25.1	-80.9
	50	+22.9	-78.7
	100	+21.2	-77.0
	200	+21.2	-77.0
	500	+21.2	-77.0
2'	10	+26.8	-99.3
	20	+25.1	-97.6
	50	+22.9	-95.4
	100	+21.2	-93.7
	200	+21.2	-93.7
	500	+21.2	-93.7
3	10	+26.8	-110.4
	20	+25.1	-100.4
	50	+22.9	-87.1
	100	+21.2	-77.0
	200	+21.2	-77.0
	500	+21.2	-77.0
3'	10	+26.8	-155.1
	20	+25.1	-138.3
	50	+22.9	-116.1
	100	+21.2	-99.3
	200	+21.2	-99.3
	500	+21.2	-99.3

"h" = 14'-0"
"a" = 3'-0"
"2a" = 6'-0"
"4a" = 12'-0"

ROOF OVERHANG ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
2 O.H.	10	+26.8	-127.7
	20	+25.1	-123.4
	50	+22.9	-117.6
	100	+21.2	-113.3
	200	+21.2	-110.6
	500	+21.2	-107.1
3 O.H.	10	+26.8	-170.7
	20	+25.1	-155.3
	50	+22.9	-134.9
	100	+21.2	-119.5
	200	+21.2	-114.2
	500	+21.2	-107.1

"h" = 14'-0"
"a" = 3'-0"
"2a" = 6'-0"
"4a" = 12'-0"

NOTES:
1. OVERHANG PRESSURES IN THE TABLE ABOVE ASSUME AN INTERNAL PRESSURE COEFFICIENT (GCpi) OF 0.0.
2. OVERHANG SOFFIT PRESSURE EQUALS ADJ WALL PRESSURE (WHICH INCLUDES INTERNAL PRESSURE OF 10 PSF).

WALL ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
4	10	+60.2	-65.3
	20	+57.6	-62.6
	50	+54.0	-59.1
	100	+51.4	-56.4
	200	+48.7	-53.7
	500	+45.2	-50.2
5	10	+60.2	-80.3
	20	+57.6	-75.0
	50	+54.0	-67.9
	100	+51.4	-62.6
	200	+48.7	-57.3
	500	+45.2	-50.2

"a" = 3'-0"

NOTE: GCp REDUCED BY 10% DUE TO ROOF ANGLE <=10 DEGREES.

COMPONENTS AND CLADDING WIND PRESSURES
FOR MONOSLOPE ROOF - CENTER AREA - SLOPE 0.5:12

ROOF ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1	10	+30.0	-117.3
	20	+28.1	-109.6
	50	+25.6	-99.4
	100	+23.7	-91.6
	200	+23.7	-83.9
	500	+23.7	-73.6
1'	10	+30.0	-67.4
	20	+28.1	-67.4
	50	+25.6	-67.4
	100	+23.7	-67.4
	200	+23.7	-58.0
	500	+23.7	-45.6
2	10	+30.0	-154.8
	20	+28.1	-144.8
	50	+25.6	-131.7
	100	+23.7	-121.7
	200	+23.7	-111.8
	500	+23.7	-98.6
3	10	+30.0	-210.9
	20	+28.1	-191.0
	50	+25.6	-164.7
	100	+23.7	-144.8
	200	+23.7	-124.9
	500	+23.7	-98.6

"h" = 26'-0"
"0.6h" = 15'-8"
"0.2h" = 5'-3"

ROOF OVERHANG ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1 & 1' O.H.	10	+30.0	-106.1
	20	+28.1	-104.2
	50	+25.6	-101.7
	100	+23.7	-99.9
	200	+23.7	-83.7
	500	+23.7	-62.4
2 O.H.	10	+30.0	-143.5
	20	+28.1	-130.3
	50	+25.6	-112.7
	100	+23.7	-99.5
	200	+23.7	-86.2
	500	+23.7	-68.6
3 O.H.	10	+30.0	-199.7
	20	+28.1	-176.5
	50	+25.6	-145.8
	100	+23.7	-122.6
	200	+23.7	-99.3
	500	+23.7	-68.6

"h" = 26'-0"
"0.6h" = 15'-8"
"0.2h" = 5'-3"

NOTES:
1. OVERHANG PRESSURES IN THE TABLE ABOVE ASSUME AN INTERNAL PRESSURE COEFFICIENT (GCpi) OF 0.0.
2. OVERHANG SOFFIT PRESSURE EQUALS ADJ WALL PRESSURE (WHICH INCLUDES INTERNAL PRESSURE OF 11.2 PSF).

WALL ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
4	10	+67.4	-73.0
	20	+64.4	-70.0
	50	+60.5	-66.1
	100	+57.5	-63.1
	200	+54.5	-60.1
	500	+50.6	-56.2
5	10	+67.4	-89.9
	20	+64.4	-83.9
	50	+60.5	-76.0
	100	+57.5	-70.0
	200	+54.5	-64.1
	500	+50.6	-56.2

"a" = 10'-5"

NOTE: GCp REDUCED BY 10% DUE TO ROOF ANGLE <=10 DEGREES.

COMPONENTS AND CLADDING WIND PRESSURES
FOR MONOSLOPE ROOF - SOUTH AREA - SLOPE 0.5:12

ROOF ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1	10	+26.8	-104.9
	20	+25.1	-98.0
	50	+22.9	-88.8
	100	+21.2	-81.9
	200	+21.2	-75.0
	500	+21.2	-65.8
1'	10	+26.8	-60.2
	20	+25.1	-60.2
	50	+22.9	-60.2
	100	+21.2	-60.2
	200	+21.2	-51.8
	500	+21.2	-40.7
2	10	+26.8	-138.3
	20	+25.1	-129.4
	50	+22.9	-117.7
	100	+21.2	-108.8
	200	+21.2	-99.9
	500	+21.2	-88.1
3	10	+26.8	-188.5
	20	+25.1	-170.7
	50	+22.9	-147.2
	100	+21.2	-129.4
	200	+21.2	-111.6
	500	+21.2	-88.1

"h" = 15'-0"
"0.6h" = 9'-0"
"0.2h" = 3'-0"

ROOF OVERHANG ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1 & 1' O.H.	10	+26.8	-94.8
	20	+25.1	-93.1
	50	+22.9	-90.9
	100	+21.2	-89.2
	200	+21.2	-74.8
	500	+21.2	-55.8
2 O.H.	10	+26.8	-128.3
	20	+25.1	-116.4
	50	+22.9	-100.8
	100	+21.2	-88.9
	200	+21.2	-77.0
	500	+21.2	-61.4
3 O.H.	10	+26.8	-178.5
	20	+25.1	-157.7
	50	+22.9	-130.3
	100	+21.2	-109.6
	200	+21.2	-88.8
	500	+21.2	-61.4

"h" = 15'-0"
"0.6h" = 9'-0"
"0.2h" = 3'-0"

NOTES:
1. OVERHANG PRESSURES IN THE TABLE ABOVE ASSUME AN INTERNAL PRESSURE COEFFICIENT (GCp) OF 0.0.
2. OVERHANG SOFFIT PRESSURE EQUALS ADJ WALL PRESSURE (WHICH INCLUDES INTERNAL PRESSURE OF 10 PSF).

WALL ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
4	10	+60.2	-65.3
	20	+57.6	-62.6
	50	+54.0	-59.1
	100	+51.4	-56.4
	200	+48.7	-53.7
	500	+45.2	-50.2
5	10	+60.2	-80.3
	20	+57.6	-75.0
	50	+54.0	-67.9
	100	+51.4	-62.6
	200	+48.7	-57.3
	500	+45.2	-50.2

"a" = 5'-5"

NOTE: GCp REDUCED BY 10% DUE TO ROOF ANGLE <=10 DEGREES.

COMPONENTS AND CLADDING WIND PRESSURES
FOR MONOSLOPE ROOF - EAST & WEST AREAS - SLOPE 4.15:12

ROOF ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1	10	+35.8	-91.3
	20	+33.9	-87.5
	50	+31.5	-82.6
	100	+29.6	-78.9
	200	+29.6	-78.9
	500	+29.6	-78.9
2	10	+35.8	-109.7
	20	+33.9	-102.3
	50	+31.5	-92.5
	100	+29.6	-85.1
	200	+29.6	-85.1
	500	+29.6	-85.1
3	10	+35.8	-189.9
	20	+33.9	-173.2
	50	+31.5	-151.1
	100	+29.6	-134.4
	200	+29.6	-134.4
	500	+29.6	-134.4

"h" = 24'-6"
"a" = 3'-0"

ROOF OVERHANG ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1 O.H.	10	+35.8	-148.0
	20	+33.9	-141.0
	50	+31.5	-131.7
	100	+29.6	-124.8
	200	+29.6	-121.5
	500	+29.6	-117.1
2 O.H. @ ZONE 4	10	+35.8	-166.5
	20	+33.9	-155.8
	50	+31.5	-141.6
	100	+29.6	-130.9
	200	+29.6	-127.6
	500	+29.6	-123.3
2 O.H. @ ZONE 5	10	+35.8	-185.0
	20	+33.9	-171.0
	50	+31.5	-152.5
	100	+29.6	-138.5
	200	+29.6	-132.0
	500	+29.6	-123.3
3 O.H. @ ZONE 4	10	+35.8	-246.6
	20	+33.9	-226.6
	50	+31.5	-200.2
	100	+29.6	-180.2
	200	+29.6	-177.0
	500	+29.6	-172.6
3 O.H. @ ZONE 5	10	+35.8	-265.1
	20	+33.9	-241.9
	50	+31.5	-211.1
	100	+29.6	-187.9
	200	+29.6	-181.3
	500	+29.6	-172.6

"h" = 24'-6"
"a" = 3'-0"

NOTES:
1. OVERHANG PRESSURES IN THE TABLE ABOVE ASSUME AN INTERNAL PRESSURE COEFFICIENT (GCpi) OF 0.0.
2. OVERHANG SOFFIT PRESSURE EQUALS ADJ WALL PRESSURE (WHICH INCLUDES INTERNAL PRESSURE OF 11.1 PSF).

WALL ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
4	10	+72.8	-78.9
	20	+69.5	-75.6
	50	+65.1	-71.3
	100	+61.9	-68.0
	200	+58.6	-64.8
	500	+54.3	-60.4
5	10	+72.8	-97.4
	20	+69.5	-90.9
	50	+65.1	-82.2
	100	+61.9	-75.6
	200	+58.6	-69.1
	500	+54.3	-60.4

"a" = 3'-0"

COMPONENTS AND CLADDING WIND PRESSURES
FOR MONOSLOPE ROOF - EAST AND WEST AREAS

ROOF ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1	10	+26.8	-104.9
	20	+25.1	-98.0
	50	+22.9	-88.8
	100	+21.2	-81.9
	200	+21.2	-75.0
	500	+21.2	-65.8
1'	10	+26.8	-60.2
	20	+25.1	-60.2
	50	+22.9	-60.2
	100	+21.2	-60.2
	200	+21.2	-51.8
	500	+21.2	-40.7
2	10	+26.8	-138.3
	20	+25.1	-129.4
	50	+22.9	-117.7
	100	+21.2	-108.8
	200	+21.2	-99.9
	500	+21.2	-88.1
3	10	+26.8	-188.5
	20	+25.1	-170.7
	50	+22.9	-147.2
	100	+21.2	-129.4
	200	+21.2	-111.6
	500	+21.2	-88.1

"h" = 12'-0"
"0.6h" = 7'-3"
"0.2h" = 2'-6"

ROOF OVERHANG ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
1 & 1' O.H.	10	+26.8	-94.8
	20	+25.1	-93.1
	50	+22.9	-90.9
	100	+21.2	-89.2
	200	+21.2	-74.8
	500	+21.2	-55.8
2 O.H.	10	+26.8	-128.3
	20	+25.1	-116.4
	50	+22.9	-100.8
	100	+21.2	-88.9
	200	+21.2	-77.0
	500	+21.2	-61.4
3 O.H.	10	+26.8	-178.5
	20	+25.1	-157.7
	50	+22.9	-130.3
	100	+21.2	-109.6
	200	+21.2	-88.8
	500	+21.2	-61.4

"h" = 12'-0"
"0.6h" = 7'-3"
"0.2h" = 2'-6"

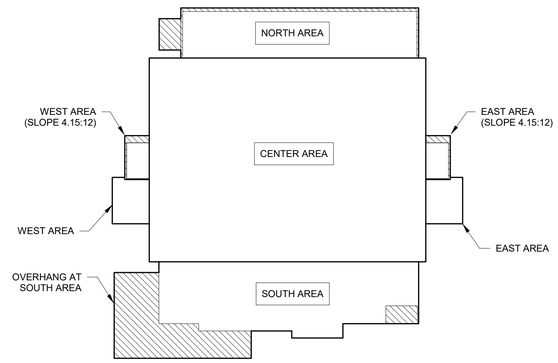
NOTES:
1. OVERHANG PRESSURES IN THE TABLE ABOVE ASSUME AN INTERNAL PRESSURE COEFFICIENT (GCpi) OF 0.0.
2. OVERHANG SOFFIT PRESSURE EQUALS ADJ WALL PRESSURE (WHICH INCLUDES INTERNAL PRESSURE OF 10 PSF).

WALL ULTIMATE WIND PRESSURES

ZONE	EFFECTIVE WIND AREA, SF	WIND PRESSURE AND SUCTION (PSF) PRESSURE	SUCTION
4	10	+60.2	-65.3
	20	+57.6	-62.6
	50	+54.0	-59.1
	100	+51.4	-56.4
	200	+48.7	-53.7
	500	+45.2	-50.2
5	10	+60.2	-80.3
	20	+57.6	-75.0
	50	+54.0	-67.9
	100	+51.4	-62.6
	200	+48.7	-57.3
	500	+45.2	-50.2

"a" = 3'-0"

NOTE: GCp REDUCED BY 10% DUE TO ROOF ANGLE <=10 DEGREES.



ROOF LAYOUT
SCALE: 1" = 40'-0"

100% COMPLETE
BID DOCUMENTS
DONOFRO ARCHITECTS
NOT FOR CONSTRUCTION
SEPTEMBER 4TH, 2025

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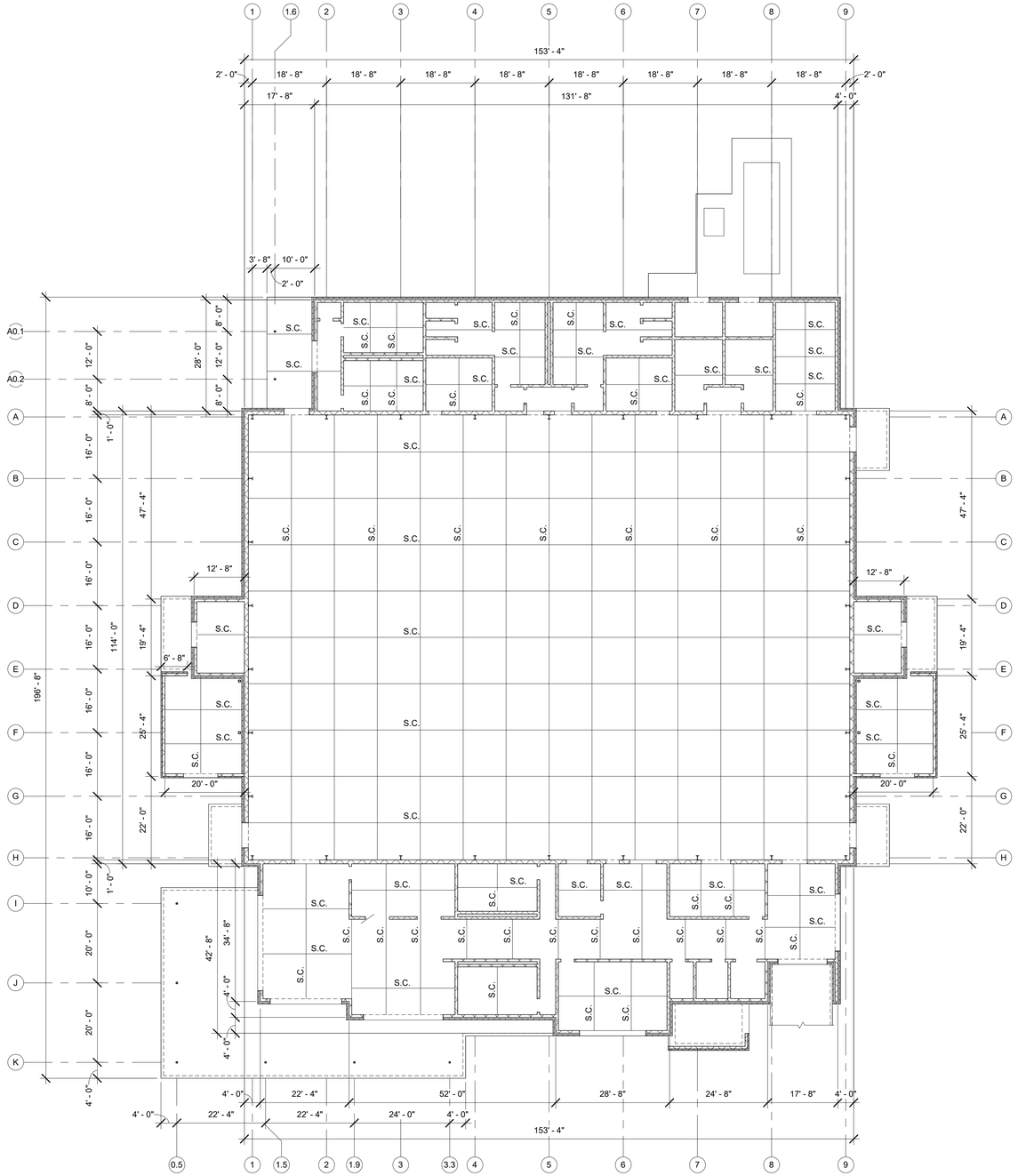
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SHEET TITLE: C&C WIND LOAD PRESSURES

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR THE CITY OF MARIANNA
AT MARIANNA EDUCATION, REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

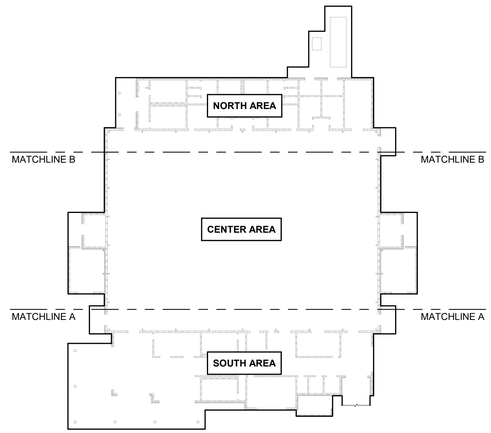
JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: AMM
CHECKED BY: KMH

SHEET No.
S-1.1



1 S-2.0 SAWCUT PLAN

SCALE: 1/16" = 1'-0"



FOUNDATION PLAN – OVERVIEW

SCALE: 1" = 40'-0"

SHEET LEGEND:

U.N.O.	= UNLESS NOTED OTHERWISE
A.F.F.	= ABOVE FINISH FLOOR
S.C.	= SAW CUT (B/S-4.0)
B.F.F.	= BELOW FINISH FLOOR
T.O.F.	= TOP OF FOOTING
F.F.	= FINISH FLOOR
PL.	= PLACES
W.C.J.	= WALL CONTROL JOINT (A/S-4.0)

100% COMPLETE
BID DOCUMENTS
DONOFRO ARCHITECTS
NOT FOR CONSTRUCTION
SEPTEMBER 4TH, 2025

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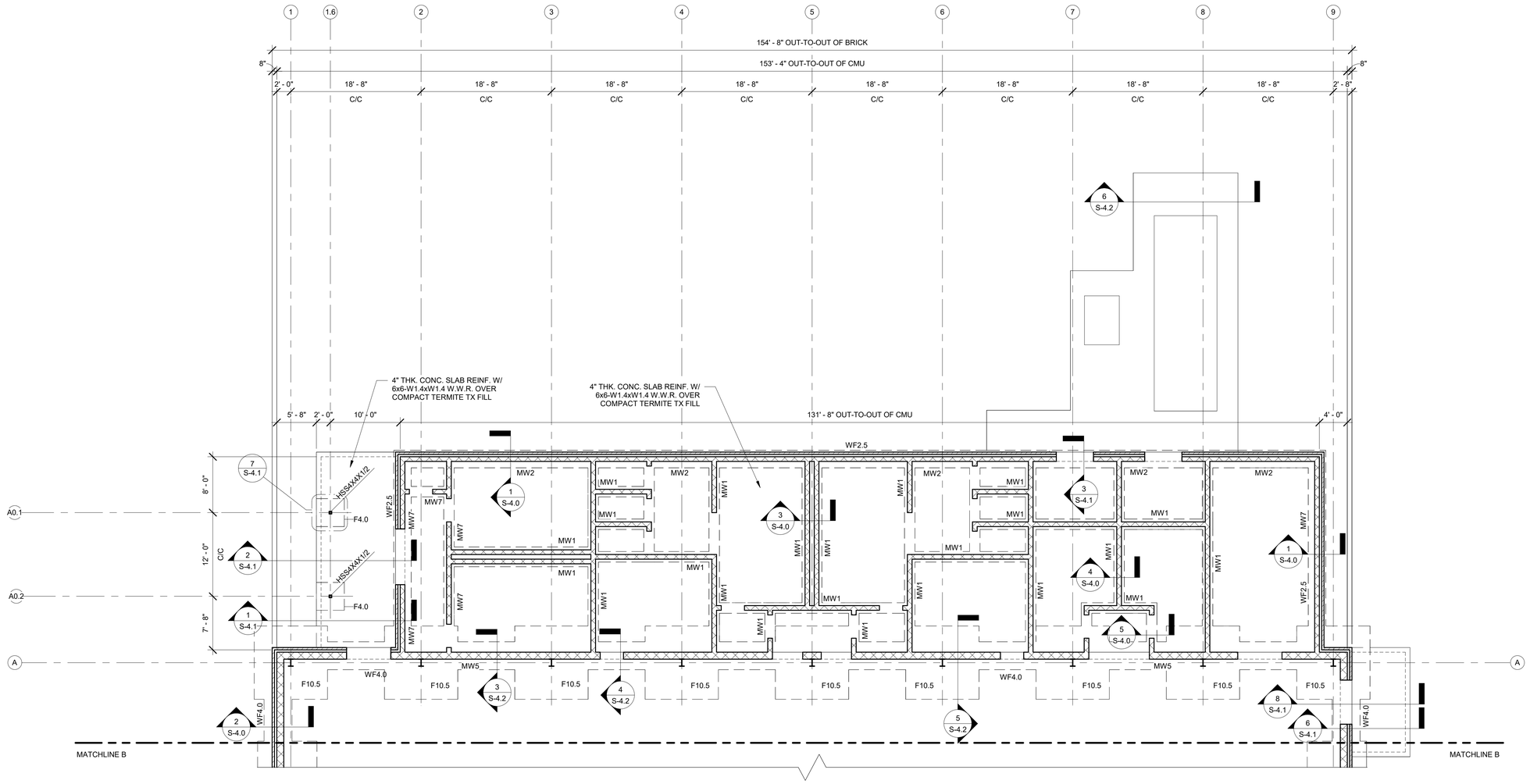
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SHEET TITLE: OVERALL FOUNDATION PLAN & SAWCUT PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: AMM
CHECKED BY: KMH

SHEET No.
S-2.0



FOUNDATION PLAN – NORTH

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

SHEET LEGEND:

U.N.O.	= UNLESS NOTED OTHERWISE
A.F.F.	= ABOVE FINISH FLOOR
S.C.	= SAW CUT (B/S-4.0)
B.F.F.	= BELOW FINISH FLOOR
T.O.F.	= TOP OF FOOTING
F.F.	= FINISH FLOOR
PL.	= PLACES
W.C.J.	= WALL CONTROL JOINT (A/S-4.0)

FOUNDATION NOTES:

1. SEE FOUNDATION NOTES ON SHEET S-0.0.
2. REFER TO ARCHITECTURAL FOR WALLS AND DIMENSIONS NOT SHOWN.
3. REFER TO ARCHITECTURAL FOR ALL WINDOW AND DOOR OPENING SIZES AND LOCATIONS.
4. REFER TO ARCHITECTURAL FOR LOCATIONS, DIMENSIONS, AND EXTENTS OF RECESSED AND SLOPED SLABS.
5. COLUMNS ARE CENTERED ON FOOTINGS UNLESS NOTED OTHERWISE.
6. ALL SLABS ARE AT +0'-0" REF. UNLESS NOTED OTHERWISE. REFER TO CIVIL DRAWING FOR FINISH FLOOR ELEVATIONS.
7. TOPS OF ALL FOOTINGS ARE LOCATED AT 2'-0" BELOW FINISH FLOOR UNLESS NOTED OTHERWISE.
8. REFER TO PLUMBING AND ARCHITECTURAL FOR ALL FLOOR SLAB PENETRATIONS (FLOOR DRAINS AND TRENCH DRAINS). COORDINATE LOCATIONS TO AVOID CONFLICT WITH FOUNDATIONS. SLOPE ALL SLABS TO FLOOR DRAINS.

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SEPTEMBER 4TH, 2025

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TALLAHASSEE, FLORIDA 32308
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KIMBERLY M. HOLLOWAY, P.E.
FLORIDA REG. NO. 69166

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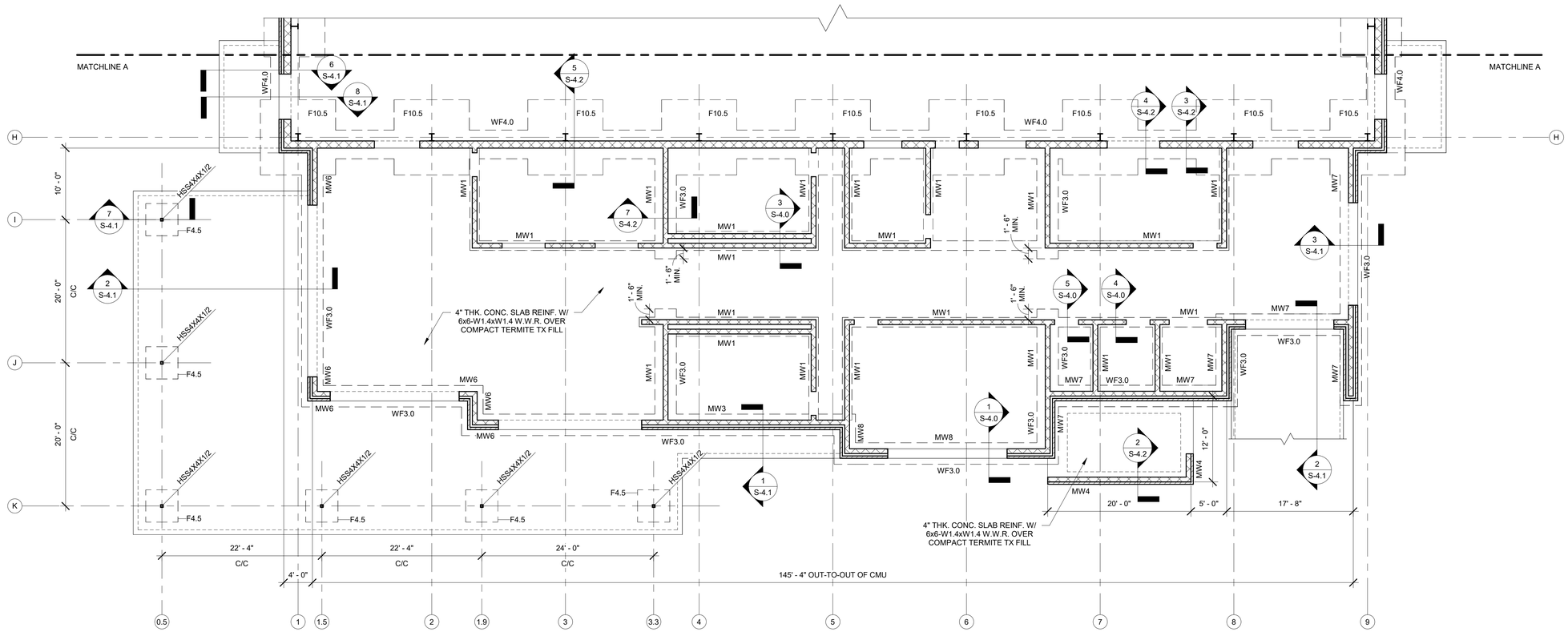
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2910 CALEDONIA ST. P.O. BOX 861
MARIANNA, FL 32446 MARIANNA, FL 32447
OFFICE: (850) 482-5261 FAX: (850) 482-8609

SHEET TITLE: PARTIAL FOUNDATION PLAN – NORTH

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: AMM
CHECKED BY: KMH

SHEET No.
S-2.1



FOUNDATION PLAN – SOUTH

SCALE: 1/8" = 1'–0"

SHEET LEGEND:

U.N.O.	= UNLESS NOTED OTHERWISE
A.F.F.	= ABOVE FINISH FLOOR
S.C.	= SAW CUT (B/S-4.0)
B.F.F.	= BELOW FINISH FLOOR
T.O.F.	= TOP OF FOOTING
F.F.	= FINISH FLOOR
PL.	= PLACES
W.C.J.	= WALL CONTROL JOINT (A/S-4.0)

FOUNDATION NOTES:

1. SEE FOUNDATION NOTES ON SHEET S-0.0.
2. REFER TO ARCHITECTURAL FOR WALLS AND DIMENSIONS NOT SHOWN.
3. REFER TO ARCHITECTURAL FOR ALL WINDOW AND DOOR OPENING SIZES AND LOCATIONS.
4. REFER TO ARCHITECTURAL FOR LOCATIONS, DIMENSIONS, AND EXTENTS OF RECESSED AND SLOPED SLABS.
5. COLUMNS ARE CENTERED ON FOOTINGS UNLESS NOTED OTHERWISE.
6. ALL SLABS ARE AT +0'-0" REF. UNLESS NOTED OTHERWISE. REFER TO CIVIL DRAWING FOR FINISH FLOOR ELEVATIONS.
7. TOPS OF ALL FOOTINGS ARE LOCATED AT 2'-0" BELOW FINISH FLOOR UNLESS NOTED OTHERWISE.
8. REFER TO PLUMBING AND ARCHITECTURAL FOR ALL FLOOR SLAB PENETRATIONS (FLOOR DRAINS AND TRENCH DRAINS). COORDINATE LOCATIONS TO AVOID CONFLICT WITH FOUNDATIONS. SLOPE ALL SLABS TO FLOOR DRAINS.

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KIMBERLY M. HOLLOWAY, P.E.
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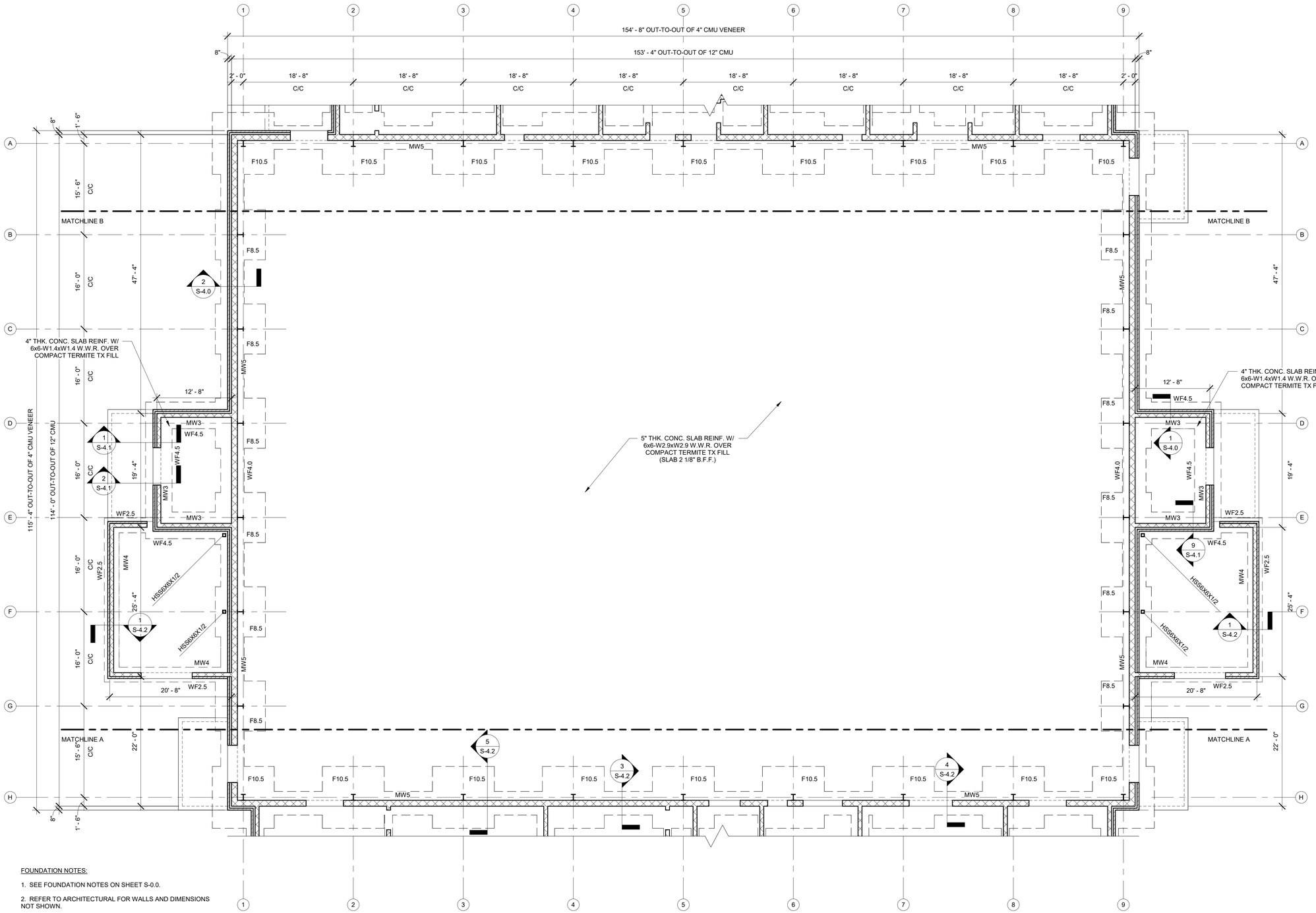
SHEET TITLE: PARTIAL FOUNDATION PLAN – SOUTH

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FOR
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MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

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SEPTEMBER 4TH, 2025

SHEET No.
S-2.2



FOUNDATION NOTES:

1. SEE FOUNDATION NOTES ON SHEET S-0.0.
2. REFER TO ARCHITECTURAL FOR WALLS AND DIMENSIONS NOT SHOWN.
3. REFER TO ARCHITECTURAL FOR ALL WINDOW AND DOOR OPENING SIZES AND LOCATIONS.
4. REFER TO ARCHITECTURAL FOR LOCATIONS, DIMENSIONS, AND EXTENTS OF RECESSED AND SLOPED SLABS.
5. COLUMNS ARE CENTERED ON FOOTINGS UNLESS NOTED OTHERWISE.
6. ALL SLABS ARE AT +0'-0" REF. UNLESS NOTED OTHERWISE. REFER TO CIVIL DRAWING FOR FINISH FLOOR ELEVATIONS.
7. TOPS OF ALL FOOTINGS ARE LOCATED AT 2'-0" BELOW FINISH FLOOR UNLESS NOTED OTHERWISE.
8. REFER TO PLUMBING AND ARCHITECTURAL FOR ALL FLOOR SLAB PENETRATIONS (FLOOR DRAINS AND TRENCH DRAINS). COORDINATE LOCATIONS TO AVOID CONFLICT WITH FOUNDATIONS. SLOPE ALL SLABS TO FLOOR DRAINS.

FOUNDATION PLAN – CENTER

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

SHEET LEGEND:

U.N.O.	= UNLESS NOTED OTHERWISE
A.F.F.	= ABOVE FINISH FLOOR
S.C.	= SAW CUT (B/S-4.0)
B.F.F.	= BELOW FINISH FLOOR
T.O.F.	= TOP OF FOOTING
F.F.	= FINISH FLOOR
PL.	= PLACES
W.C.J.	= WALL CONTROL JOINT (A/S-4.0)

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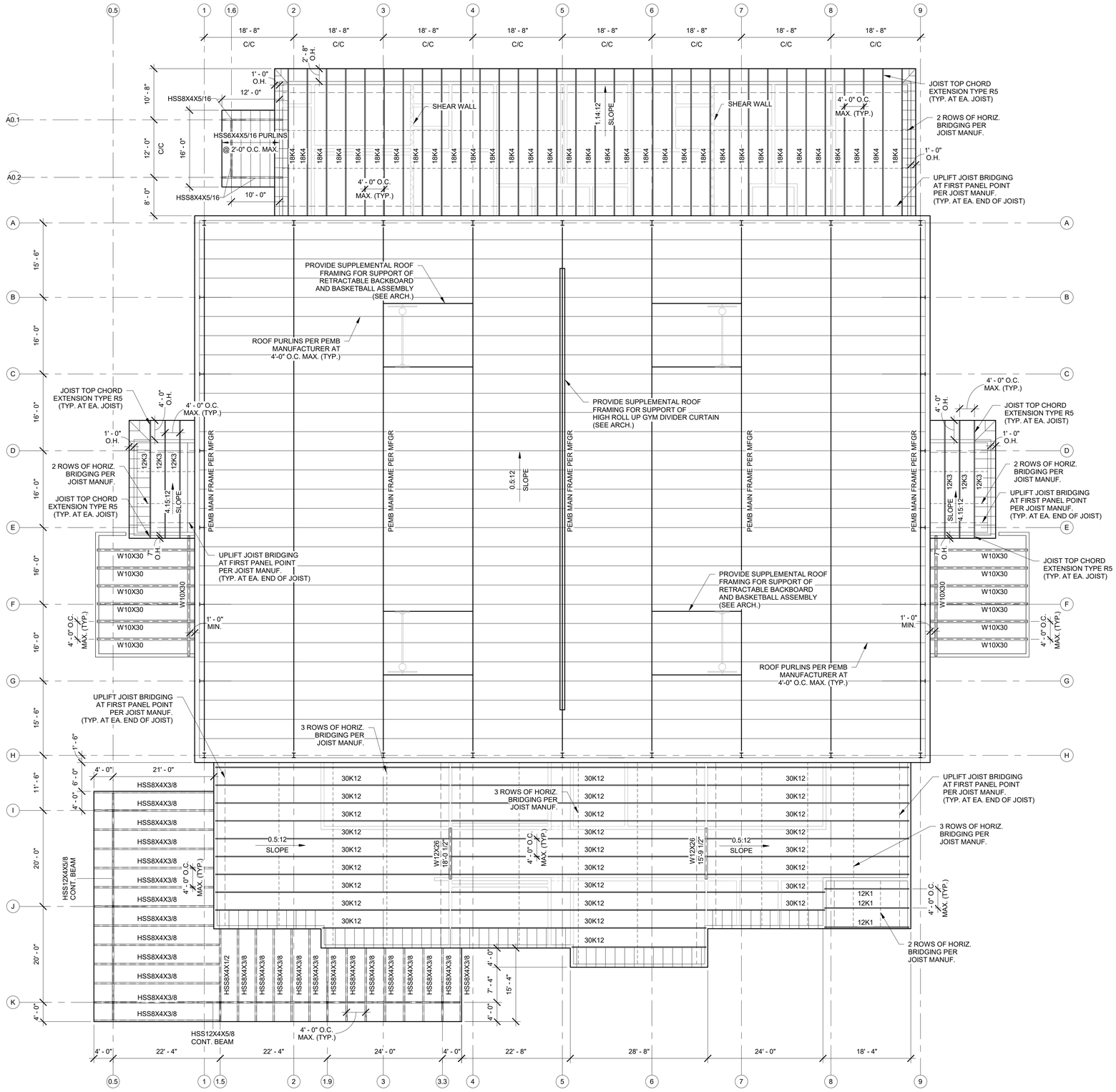
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2910 CALEDONIA ST. P.O. BOX 861
MARIANNA, FL 32446 MARIANNA, FL 32447
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SHEET TITLE: PARTIAL FOUNDATION PLAN – CENTER

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
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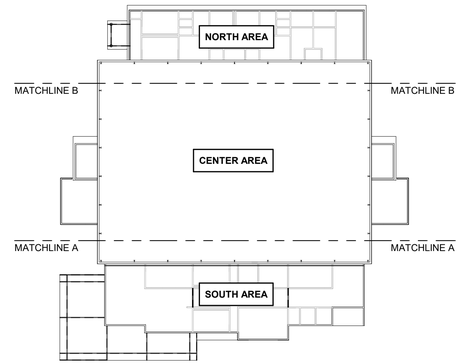
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SHEET No.
S-2.3



1 S-3.0 ROOF FRAMING PLAN

SCALE: 3/32" = 1'-0"



ROOF FRAMING PLAN – OVERVIEW

SCALE: 1" = 40'-0"

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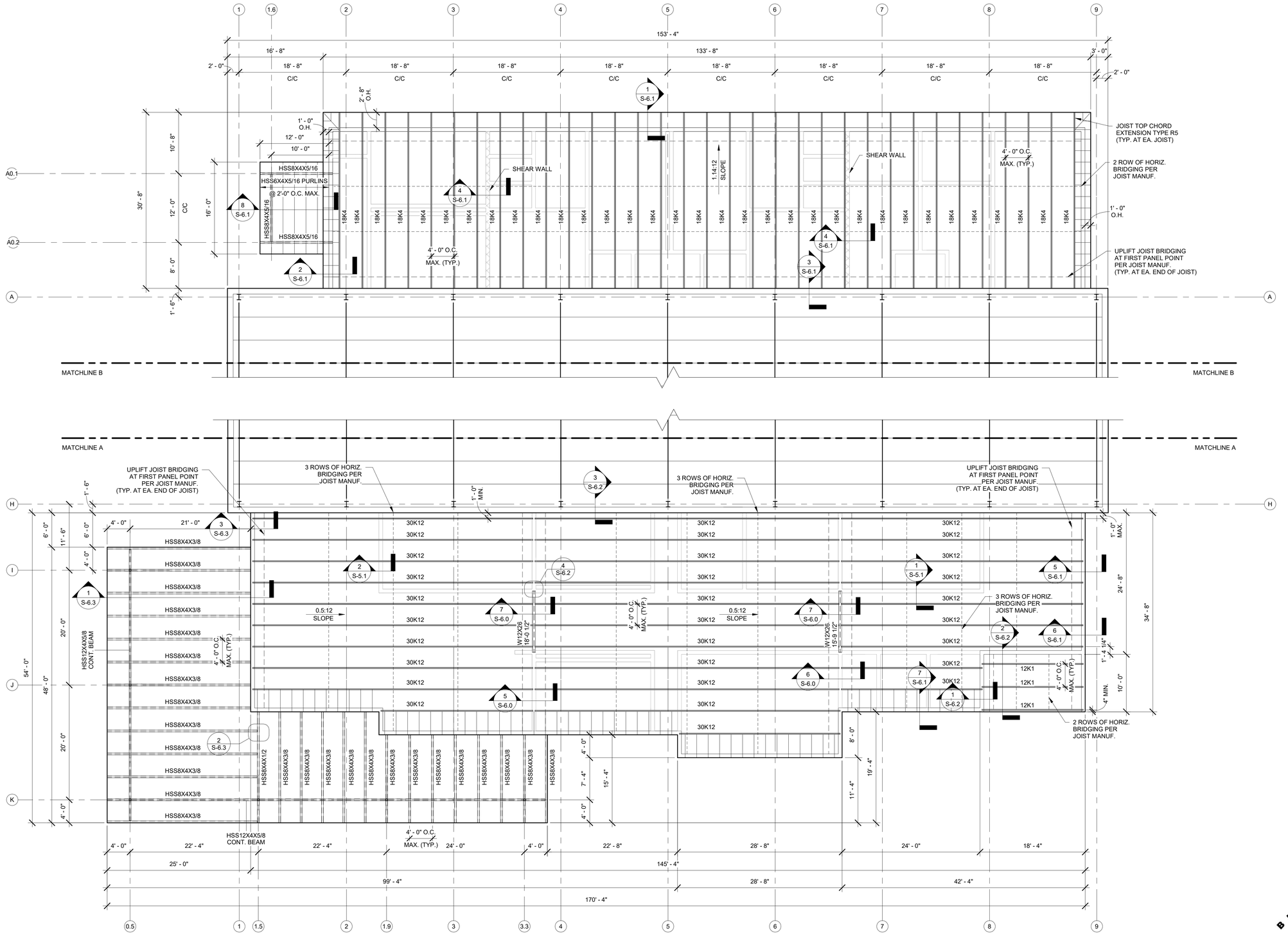
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SHEET TITLE: ROOF FRAMING PLAN

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SHEET No.
S-3.0



ROOF FRAMING PLAN – NORTH & SOUTH

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

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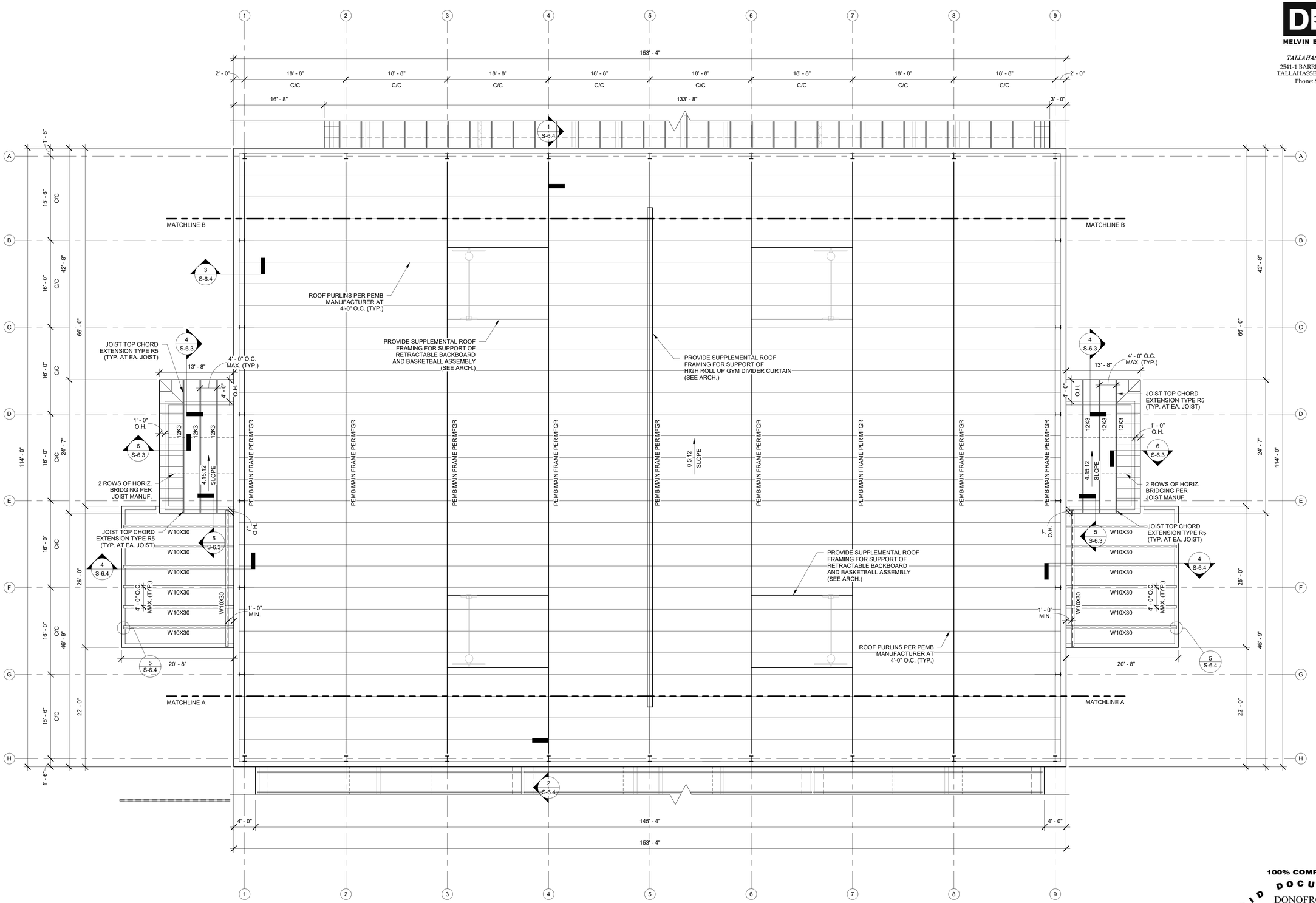
SHEET TITLE: PARTIAL ROOF FRAMING PLAN–NORTH & SOUTH

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
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SHEET No.
S-3.1



ROOF FRAMING PLAN – CENTER

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

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SHEET TITLE: PARTIAL ROOF FRAMING PLAN – CENTER

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SHEET No.
S-3.2

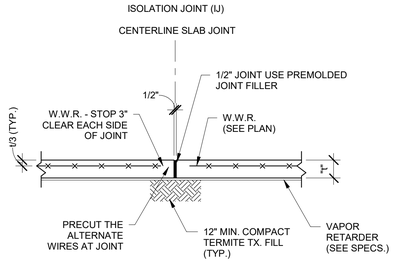
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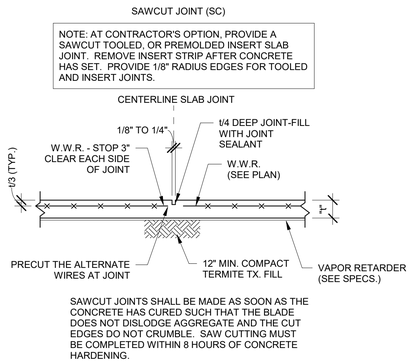
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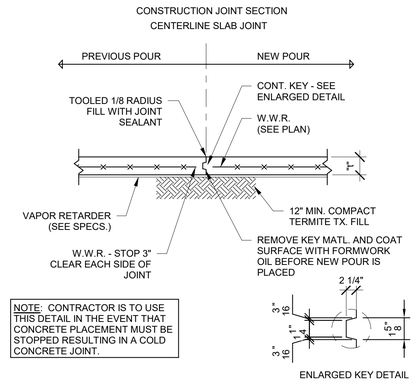
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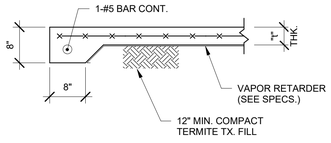
A S-4.0 CONTROL JOINT (IJ)
SCALE: 3/4" = 1'-0"



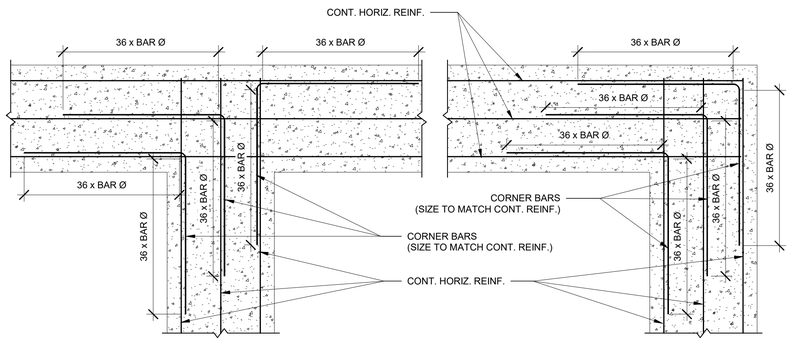
B S-4.0 CONTROL JOINT (SC)
SCALE: 3/4" = 1'-0"



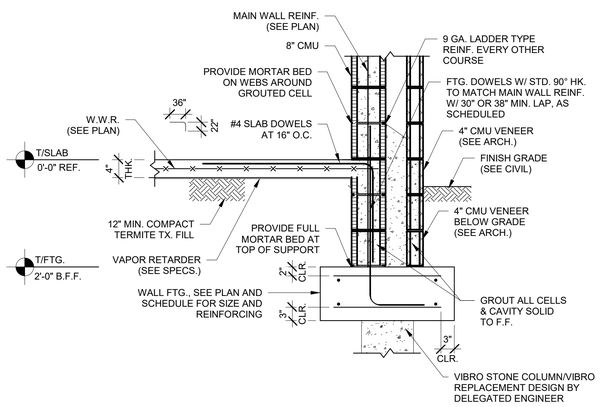
C S-4.0 CONTROL JOINT (CJ)
SCALE: 3/4" = 1'-0"



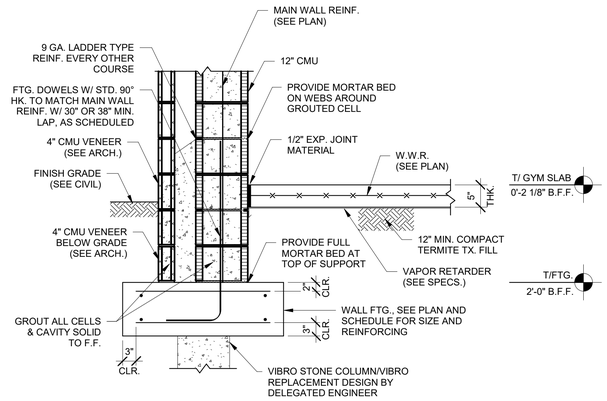
D S-4.0 SLAB EDGE DETAIL
SCALE: 3/4" = 1'-0"



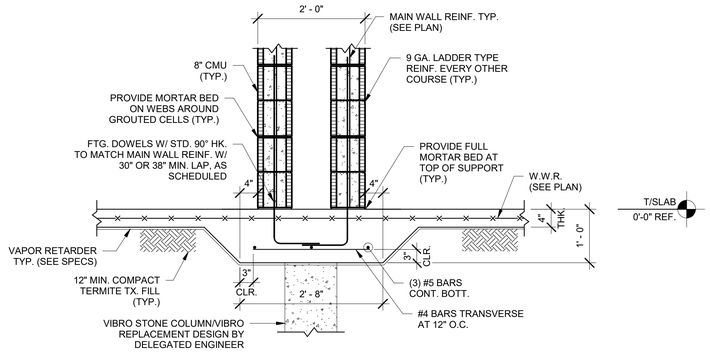
E S-4.0 FTG. REINF. AT CORNERS AND INTERSECTIONS
SCALE: 3/4" = 1'-0"



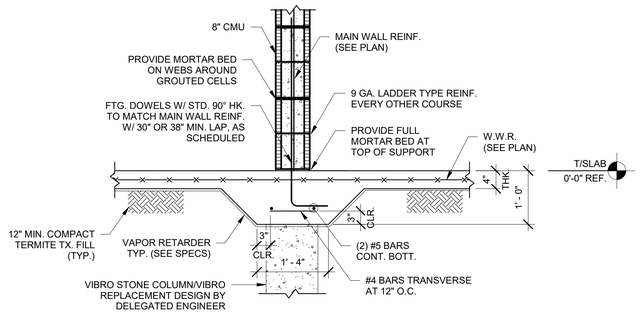
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SCALE: 3/4" = 1'-0"



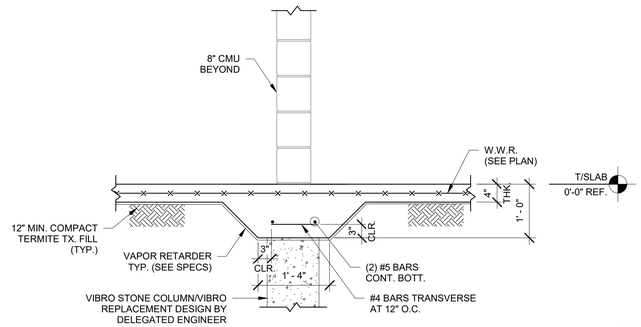
2 S-4.0 SECTION
SCALE: 3/4" = 1'-0"



3 S-4.0 SECTION
SCALE: 3/4" = 1'-0"



4 S-4.0 SECTION
SCALE: 3/4" = 1'-0"



5 S-4.0 SECTION
SCALE: 3/4" = 1'-0"

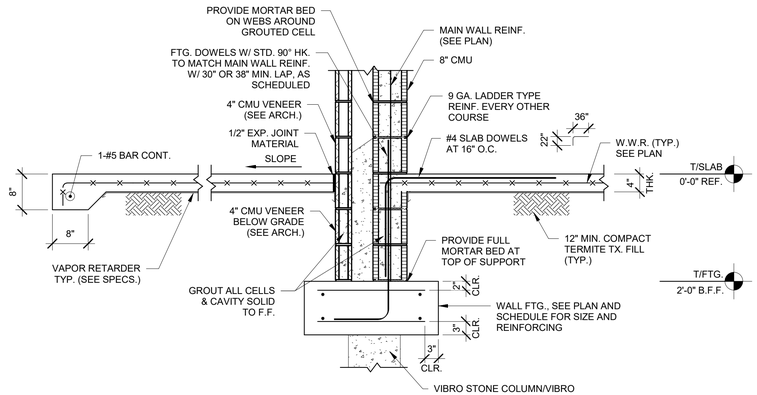
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SEPTEMBER 4TH, 2025

SHEET TITLE: FOUNDATION SECTIONS

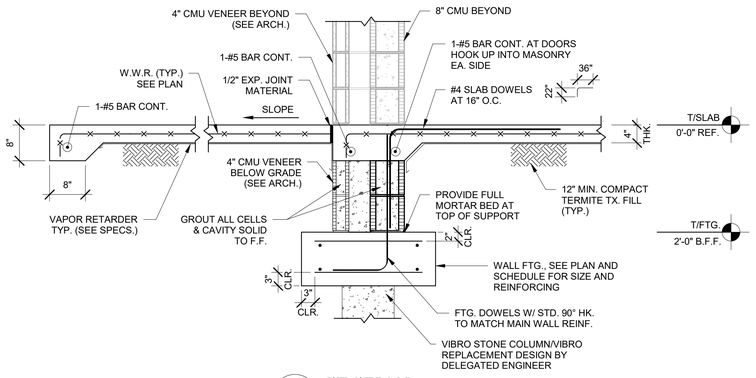
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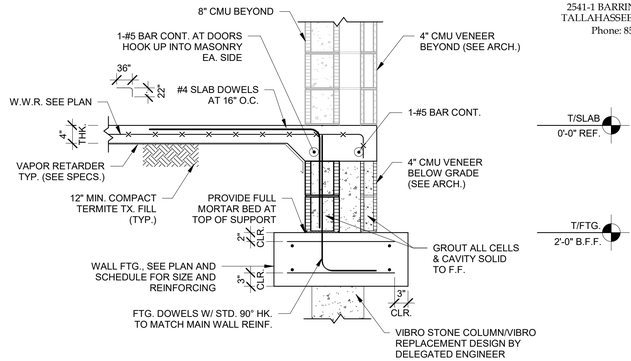
SHEET No.
S-4.0



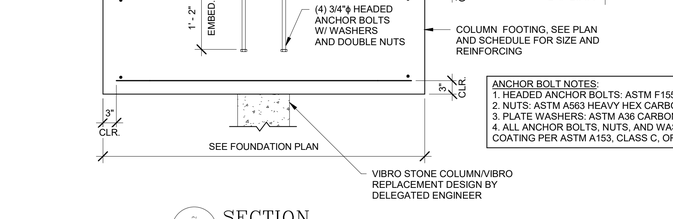
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SCALE: 3/4" = 1'-0"



2 S-4.1 SECTION
SCALE: 3/4" = 1'-0"



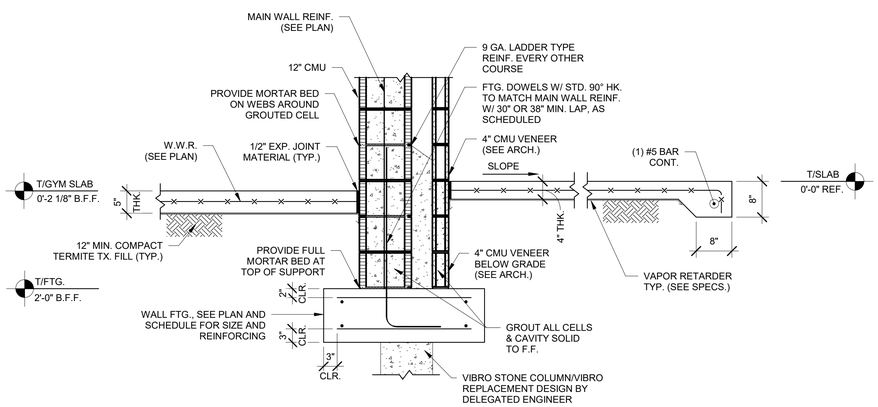
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SCALE: 3/4" = 1'-0"



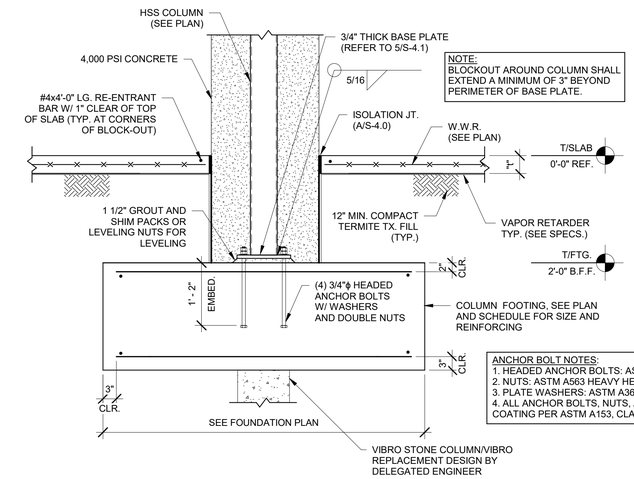
ANCHOR BOLT NOTES:
1. HEADED ANCHOR BOLTS: ASTM F1554 HEAVY HEX, GRADE 36, STRAIGHT
2. NUTS: ASTM A563 HEAVY HEX CARBON STEEL
3. PLATE WASHERS: ASTM A36 CARBON STEEL, 2x2x1/4 W/ STD. HOLE
4. ALL ANCHOR BOLTS, NUTS, AND WASHERS SHALL HAVE HOT-DIP ZINC COATING PER ASTM A153, CLASS C, OR ASTM F2329.

4 S-4.1 SECTION
SCALE: 3/4" = 1'-0"

5 S-4.1 COLUMN BASE PLATE
SCALE: 1 1/2" = 1'-0"

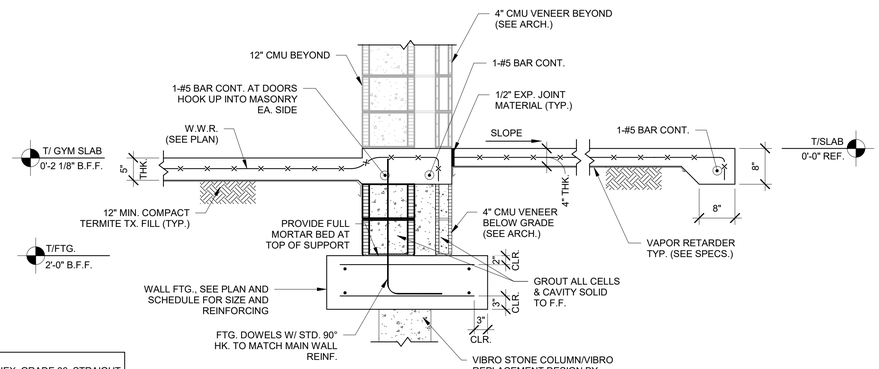


6 S-4.1 SECTION
SCALE: 3/4" = 1'-0"

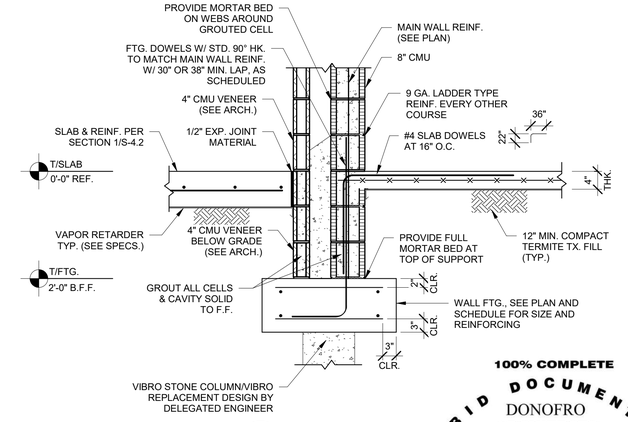


ANCHOR BOLT NOTES:
1. HEADED ANCHOR BOLTS: ASTM F1554 HEAVY HEX, GRADE 36, STRAIGHT
2. NUTS: ASTM A563 HEAVY HEX CARBON STEEL
3. PLATE WASHERS: ASTM A36 CARBON STEEL, 2x2x1/4 W/ STD. HOLE
4. ALL ANCHOR BOLTS, NUTS, AND WASHERS SHALL HAVE HOT-DIP ZINC COATING PER ASTM A153, CLASS C, OR ASTM F2329.

7 S-4.1 SECTION
SCALE: 3/4" = 1'-0"



8 S-4.1 SECTION
SCALE: 3/4" = 1'-0"



9 S-4.1 SECTION
SCALE: 3/4" = 1'-0"

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SEPTEMBER 4TH, 2025

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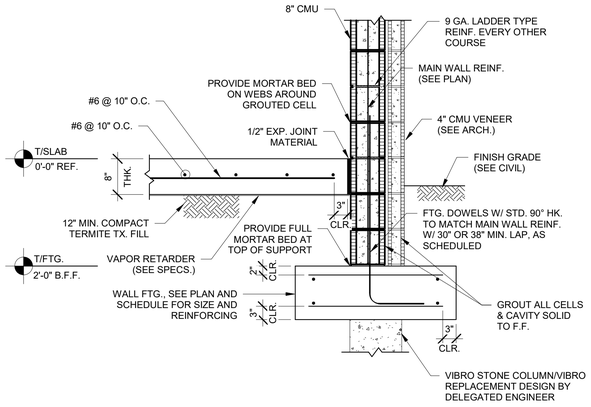
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MARIANNA, FL 32446
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P.O. BOX 861
MARIANNA, FL 32447
FAX: (850) 482-8609

SHEET TITLE: FOUNDATION SECTIONS

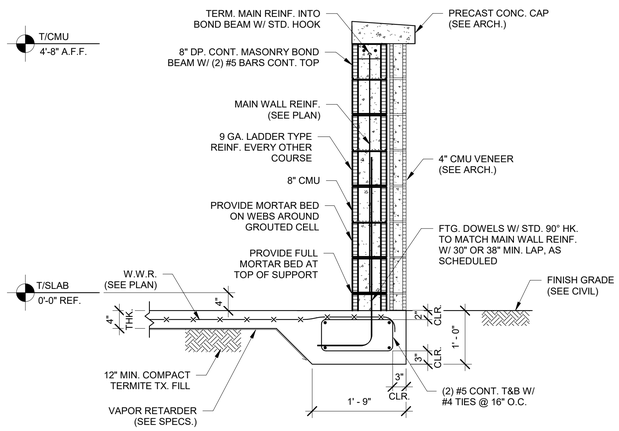
CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

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DATE: SEPT. 4, 2025
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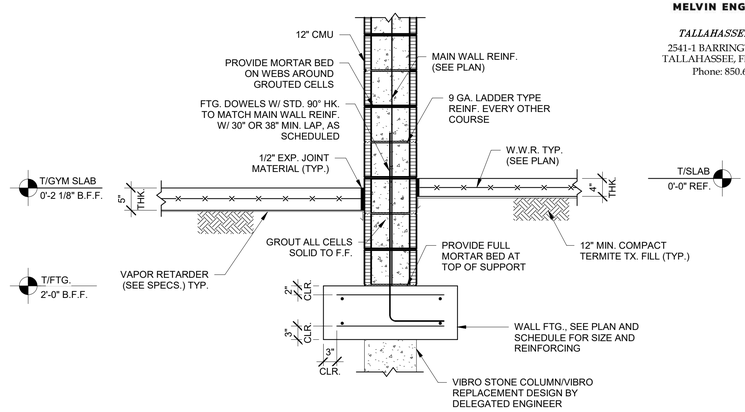
SHEET No.
S-4.1



1 S-4.2 SECTION
SCALE: 3/4" = 1'-0"



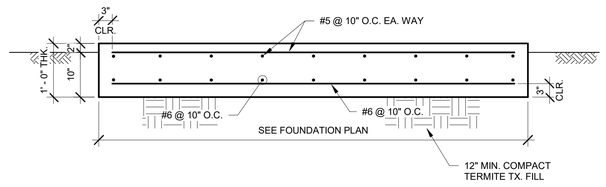
2 S-4.2 SECTION
SCALE: 3/4" = 1'-0"



3 S-4.2 SECTION
SCALE: 3/4" = 1'-0"

4 S-4.2 SECTION
SCALE: 3/4" = 1'-0"

5 S-4.2 SECTION
SCALE: 3/4" = 1'-0"



6 S-4.2 SECTION
SCALE: 3/4" = 1'-0"

7 S-4.2 SECTION
SCALE: 3/4" = 1'-0"

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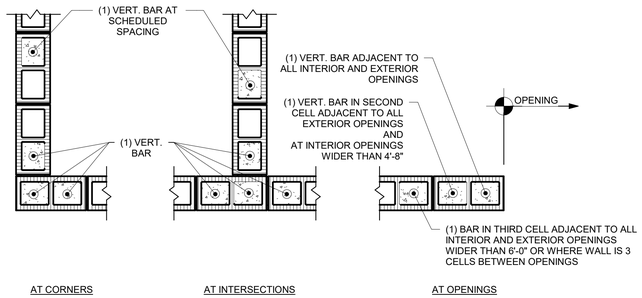
SHEET TITLE: FOUNDATION SECTIONS

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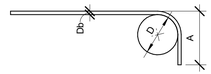
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SHEET No.
S-4.2

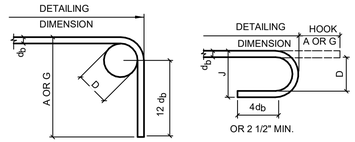


1 S-5.0 MASONRY WALL REINFORCING
SCALE: 3/4" = 1'-0"

MASONRY REINFORCING LAP & BEND SCHEDULE			
BAR SIZE	STANDARD LAP LENGTH MASONRY	STANDARD HOOKS DIAMETER D	STANDARD HOOKS LENGTH A
#2	12"	1 1/2"	2"
#3	18"	2 1/4"	6"
#4	24"	3"	8"
#5	30"	3 3/4"	10"
#6	38"	4 1/2"	12"
#7	52"	5 1/4"	14"
#8	79"	6"	16"



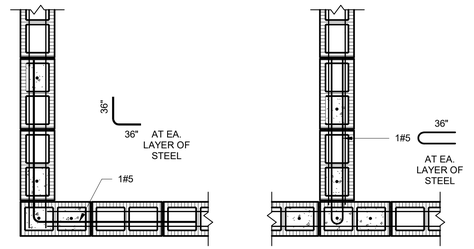
2 S-5.0 LAP AND BEND SCHEDULE
SCALE: 3/4" = 1'-0"



RECOMMENDED END HOOKS, ALL GRADES				
BAR SIZE	FINISHED BEND DIAMETER D,(IN.)	180° HOOKS A OR G,(IN.)	180° HOOKS J,(IN.)	90° HOOKS A OR G,(IN.)
#3	2 1/4	5	3	6
#4	3	6	4	8
#5	3 3/4	7	5	10
#6	4 1/2	8	6	12
#7	5 1/4	10	7	14
#8	6	11	8	16
#9	9 1/2	15	11 3/4	19
#10	10 3/4	17	13 1/4	22
#11	12	19	14 3/4	24
#14	18 1/4	27	21 3/4	31
#18	24	36	28 1/2	41

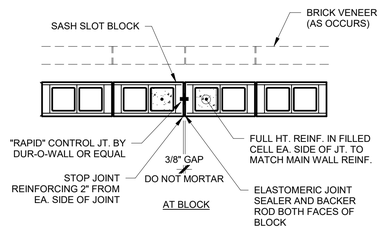
D = INSIDE DIAMETER OF BEND

3 S-5.0 END HOOKS
SCALE: 12" = 1'-0"

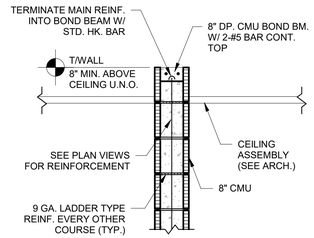


4 S-5.0 BOND BEAM REINFORCING
SCALE: 3/4" = 1'-0"

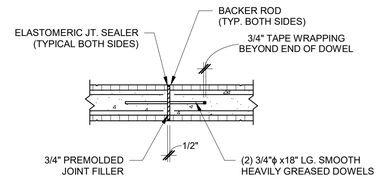
NOTES:
1. DO NOT EXTEND CONTROL JOINTS THROUGH BOND BEAMS OR TIE BEAMS.
2. REFER TO NOTE ON SHEET S-0.0 FOR SPACING GUIDELINES.



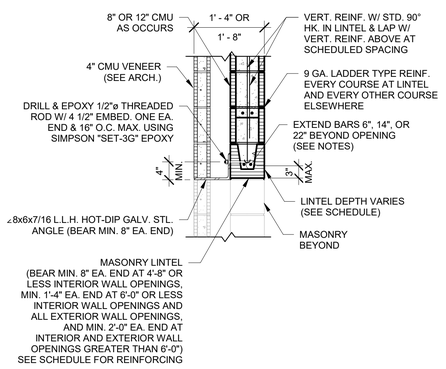
5 S-5.0 MASONRY CONTROL JOINT
SCALE: 3/4" = 1'-0"



6 S-5.0 MASONRY PARTITION
SCALE: 3/4" = 1'-0"



7 S-5.0 BOND BEAM CONTROL JOINT
SCALE: 3/4" = 1'-0"



CMU LINTEL SCHEDULE					
MAX. CLR. SPAN (LOCATION)	MIN. DEPTH	TOP REINF.	BOTT. REINF.	BEAR MIN. EA. END	LINTEL WIDTH
3'-4" & 4'-0" (INTERIOR)	8"	NONE	(2) #5	8"	8" & 12"
4'-4" & 5'-4" (INTERIOR)	8"	NONE	(2) #5	8" & 16"	12" ONLY
6'-0" [102A/B,111] (INTERIOR)	16"	NONE	(2) #5	16"	8"
6'-4", 6'-8", 7'-4" (INTERIOR)	16"	NONE	(2) #5	24"	12"
8'-8" (INTERIOR)	16"	NONE	(2) #6	24"	12"
5'-4" [130/131] (EXTERIOR)	16"	NONE	(2) #5	16"	8"
6'-0" (EXTERIOR)	16"	NONE	(2) #5	16"	8"
6'-4" (EXTERIOR)	16"	NONE	(2) #5	24"	12"
8'-8" (EXTERIOR)	24"	(2) #5	(2) #5	24"	8"

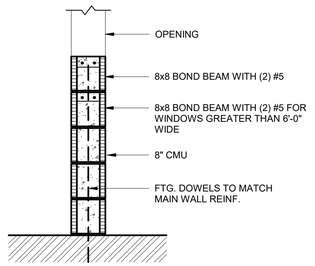
NOTES:
1. WHERE ADJACENT MASONRY OPENINGS ARE LESS THAN OR EQUAL TO 2'-8" APART, THE MASONRY LINTEL INCLUDING REINFORCING SHALL BE CONTINUOUS FULL SPAN OF ADJACENT OPENINGS PLUS END BEARING.

2. IF OPENING OCCURS WITHIN 16" OF WALL CORNER, INSTALL CORNER BARS IN ADDITION TO CONTINUOUS LINTEL REINFORCEMENT.

3. FOR 8" LINTEL BEARING, EXTEND REINFORCING 6" BEYOND FACE OF SUPPORT. FOR 16" LINTEL BEARING, EXTEND REINFORCING 14" BEYOND FACE OF SUPPORT. FOR 24" LINTEL BEARING, EXTEND REINFORCING 22" BEYOND FACE OF SUPPORT.

4. ALL TOP AND BOTTOM REINFORCEMENT SHALL END IN A STANDARD 90° HOOK AT EACH END.

8 S-5.0 CMU LINTEL DETAIL
SCALE: 3/4" = 1'-0"



9 S-5.0 SILL REINFORCEMENT
SCALE: 3/4" = 1'-0"

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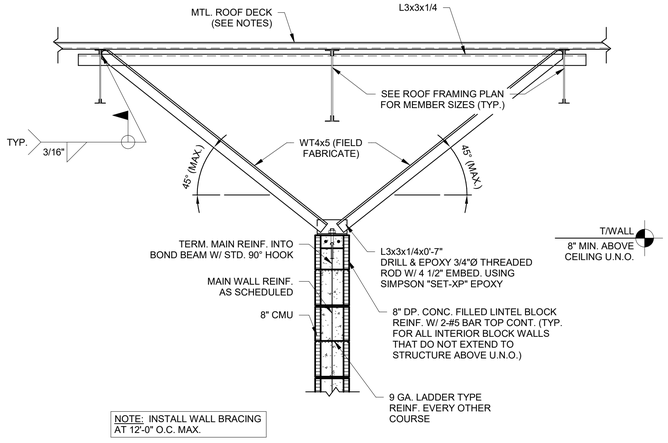
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SHEET TITLE: MASONRY DETAILS

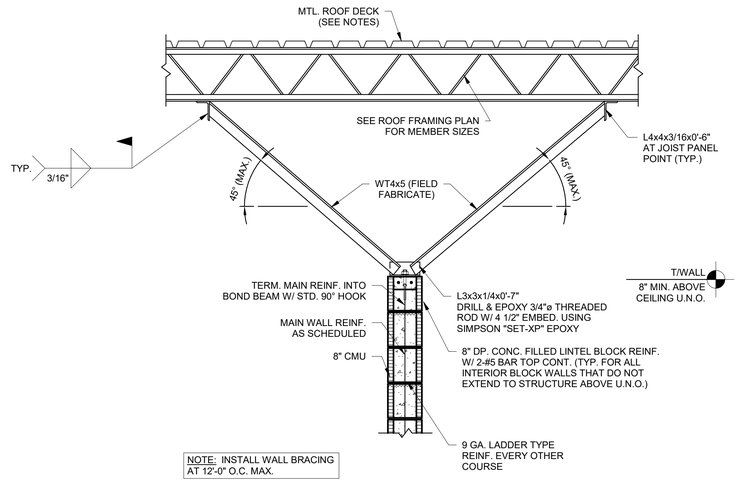
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FOR THE CITY OF MARIANNA
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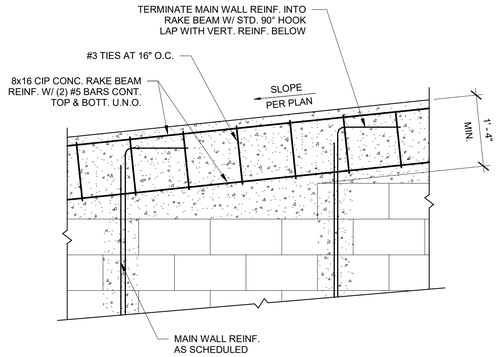
SHEET No.
S-5.0



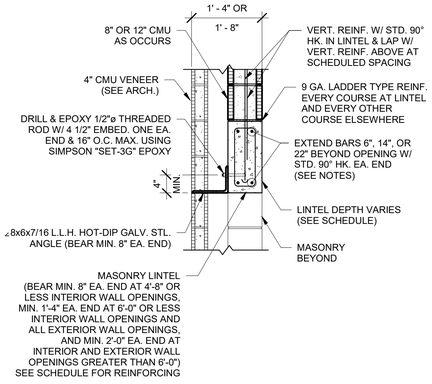
1 S-5.1 SECTION
SCALE: 3/4" = 1'-0"



2 S-5.1 SECTION
SCALE: 3/4" = 1'-0"



4 S-5.1 RAKE BEAM
SCALE: 3/4" = 1'-0"



5 S-5.1 C.I.P. CONC. LINTEL DETAIL
SCALE: 3/4" = 1'-0"

CAST-IN-PLACE CONCRETE LINTEL SCHEDULE

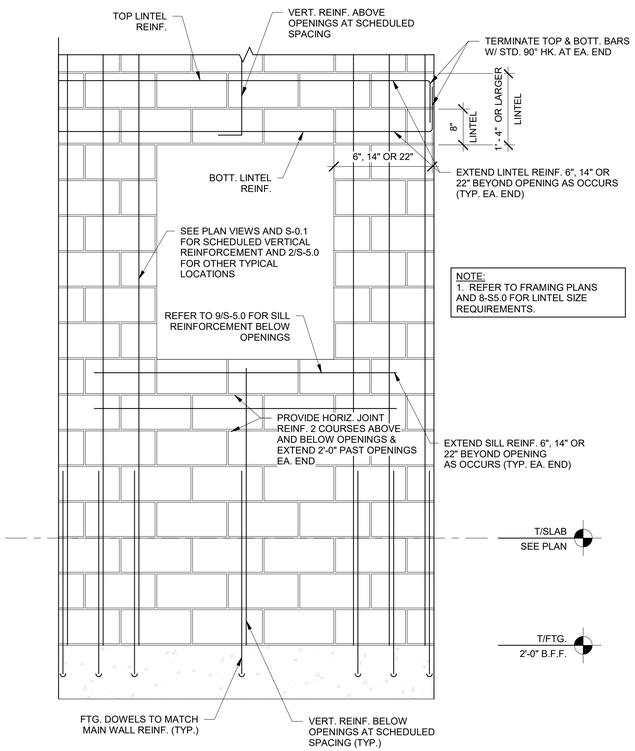
MAX. CLR. SPAN (LOCATION)	MIN. DEPTH	TOP REINF.	BOTT. REINF.	TIES	REINF. EA. FACE	BEAR MIN. EA. END	LINTEL WIDTH
16'-0" [Door 106] (INTERIOR)	24"	(2) #5	(2) #5	#3 @ 12"	(1) #5 E.F.	24"	8"
12'-4" [Door 113] (EXTERIOR)	24"	(2) #5	(2) #5	#3 @ 12"	(1) #5 E.F.	24"	8"
5'-4" [119/120] (EXTERIOR)	16"	(2) #5	(2) #5	#3 @ 12"	(1) #5 E.F.	16"	8"
8'-0" OPENING (EXTERIOR)	24"	(2) #5	(2) #5	#3 @ 12"	(1) #5 E.F.	24"	8"
14'-4" [CW D] (EXTERIOR)	32"	(2) #7	(2) #7	#3 @ 12"	(2) #7 E.F.	24"	8"
16'-8" [CW C] (EXTERIOR)	32"	(2) #7	(2) #7	#3 @ 12"	(2) #7 E.F.	24"	8"
20'-0" [CW B] (EXTERIOR)	40"	(2) #7	(2) #7	#3 @ 12"	(3) #7 E.F.	24"	8"
19'-0" [CW A] (EXTERIOR)	40"	(2) #7	(2) #7	#3 @ 12"	(3) #7 E.F.	24"	8"

NOTES:
1. WHERE ADJACENT MASONRY OPENINGS ARE LESS THAN OR EQUAL TO 2'-8" APART, THE MASONRY LINTEL INCLUDING REINFORCING SHALL BE CONTINUOUS FULL SPAN OF ADJACENT OPENINGS PLUS END BEARING.

2. IF OPENING OCCURS WITHIN 16" OF WALL CORNER, INSTALL CORNER BARS IN ADDITION TO CONTINUOUS LINTEL REINFORCEMENT.

3. FOR 8" LINTEL BEARING, EXTEND REINFORCING 6" BEYOND FACE OF SUPPORT. FOR 16" LINTEL BEARING, EXTEND REINFORCING 14" BEYOND FACE OF SUPPORT. FOR 24" LINTEL BEARING, EXTEND REINFORCING 22" BEYOND FACE OF SUPPORT.

4. ALL TOP AND BOTTOM REINFORCEMENT SHALL END IN A STANDARD 90° HOOK AT EACH END.



NOTE:
1. REFER TO FRAMING PLANS AND 8-S5.0 FOR LINTEL SIZE REQUIREMENTS.

NOTE: DOOR OPENING ELEVATION IS SIMILAR. OMIT VERTICAL REINFORCING BELOW OPENING.

3 S-5.1 MASONRY WALL OPENING
SCALE: 3/4" = 1'-0"

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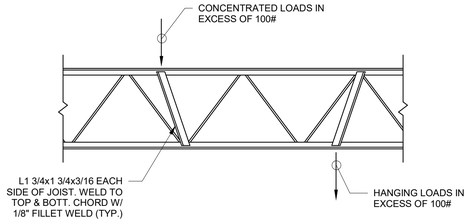
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2910 CALEDONIA ST.
MARIANNA, FL 32446
OFFICE: (850) 482-5261

SHEET TITLE: MASONRY DETAILS

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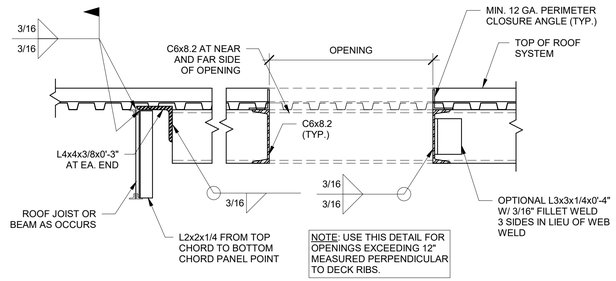
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DATE: SEPT. 4, 2025
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CHECKED BY: KMH

SHEET No.
S-5.1

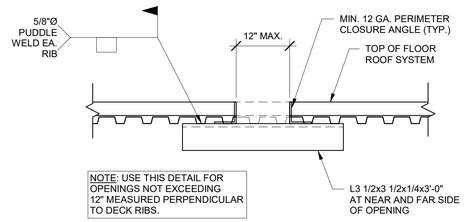


TYP. EXTRA JOIST MEMBER AT CONCENTRATED LOADS

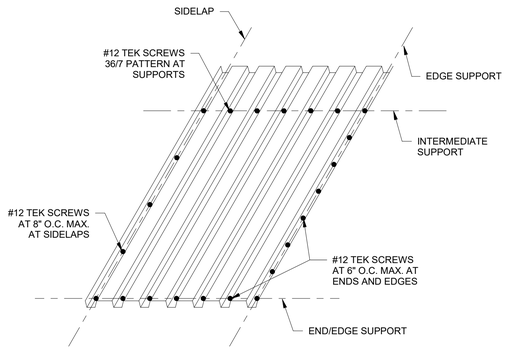
1 S-6.0 SECTION
SCALE: 3/4" = 1'-0"



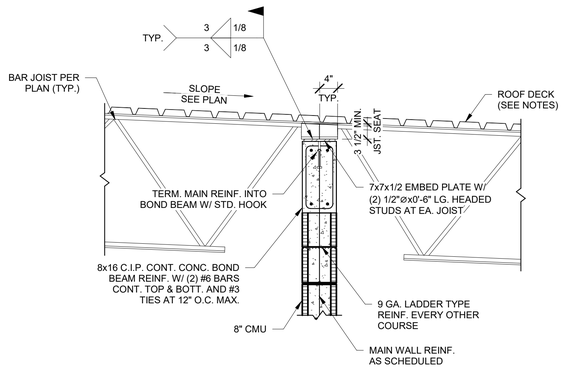
2 S-6.0 SECTION
SCALE: 3/4" = 1'-0"



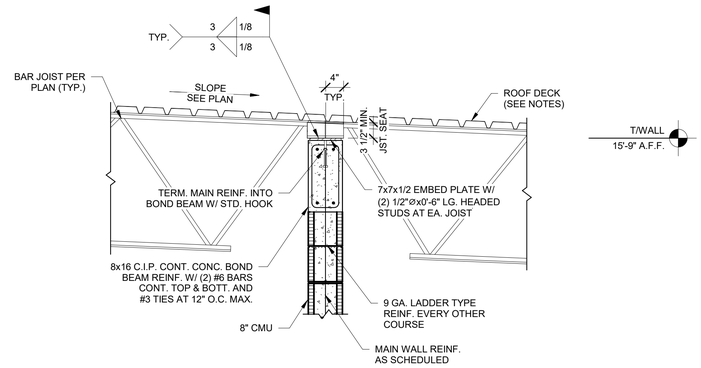
3 S-6.0 SECTION
SCALE: 3/4" = 1'-0"



4 S-6.0 METAL DECK ATTACHMENT AT STL. BAR JOISTS
SCALE: 3/4" = 1'-0"



5 S-6.0 SECTION
SCALE: 3/4" = 1'-0"

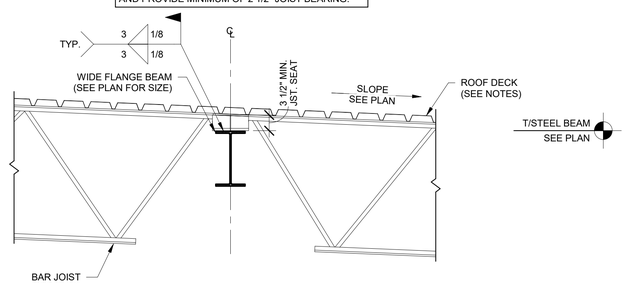


6 S-6.0 SECTION
SCALE: 3/4" = 1'-0"

NOTES:
1. AT JOIST NEAREST (OR ON) COLUMN ℄ CONNECT JOISTS W/ FIELD BOLTS PER S.J.I. REQUIREMENTS.

2. PROVIDE MINIMUM OF 3 1/2" JOIST BEARING ON COLUMN CAP PLATE.

3. OFFSET JOISTS IF BEAM FLANGE IS LESS THAN 5" AND PROVIDE MINIMUM OF 2 1/2" JOIST BEARING.



7 S-6.0 SECTION
SCALE: 3/4" = 1'-0"

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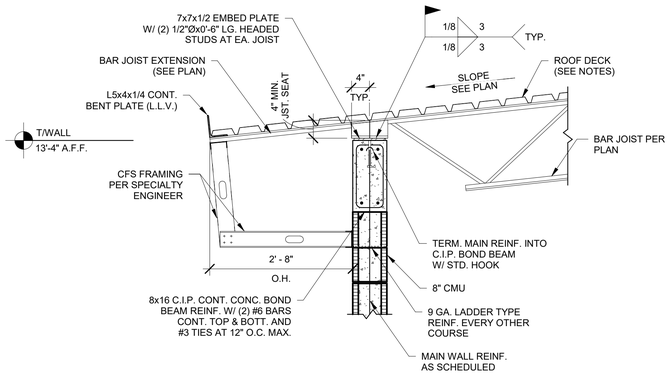
SHEET TITLE: FRAMING SECTIONS

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FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

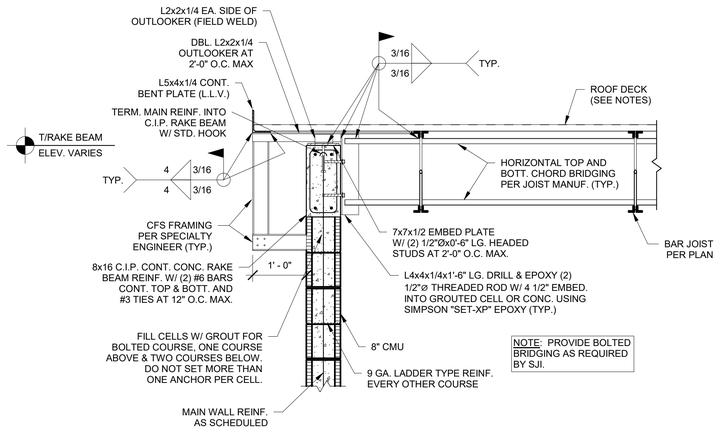
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S-6.0

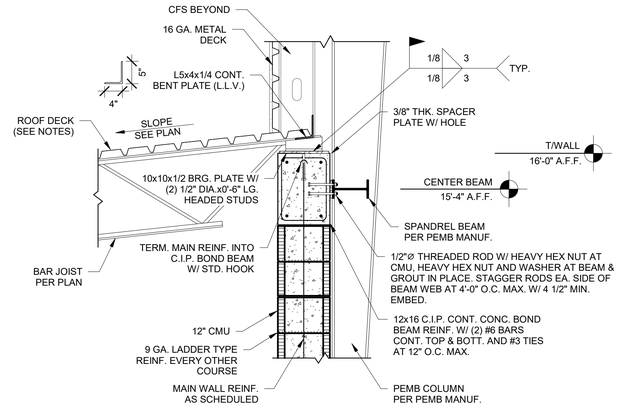
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1 S-6.1 SECTION
SCALE: 3/4" = 1'-0"



2 S-6.1 SECTION
SCALE: 3/4" = 1'-0"



3 S-6.1 SECTION
SCALE: 3/4" = 1'-0"

4 S-6.1 SECTION
SCALE: 3/4" = 1'-0"

5 S-6.1 SECTION
SCALE: 3/4" = 1'-0"

6 S-6.1 SECTION
SCALE: 3/4" = 1'-0"

7 S-6.1 SECTION
SCALE: 3/4" = 1'-0"

8 S-6.1 SECTION
SCALE: 3/4" = 1'-0"

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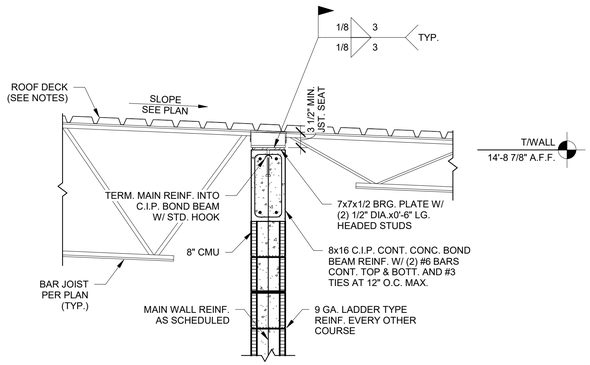
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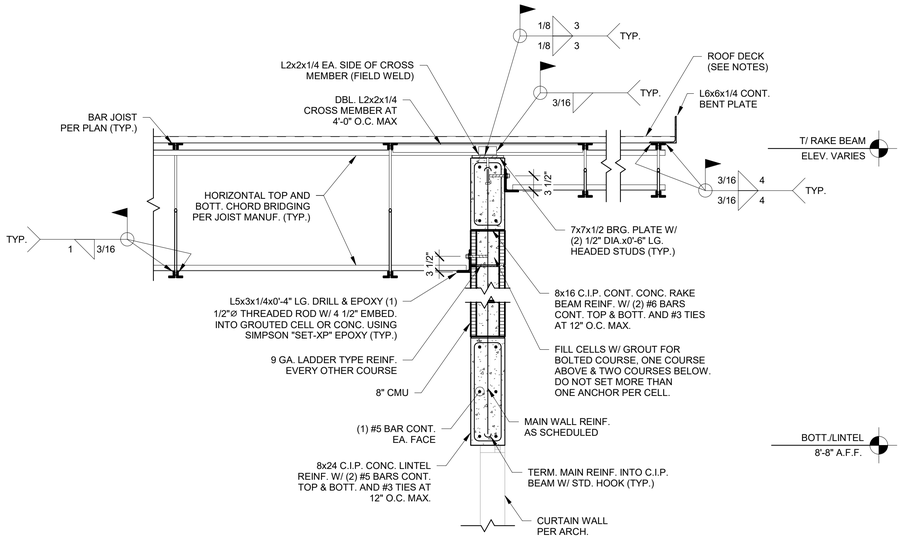
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SHEET No.
S-6.1



1 S-6.2 SECTION

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

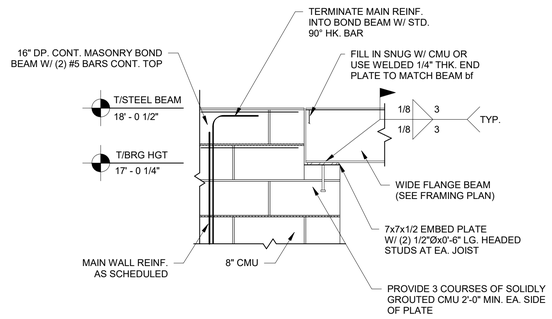


2 S-6.2 SECTION

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

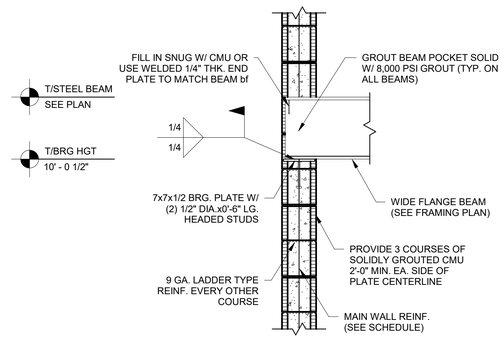
3 S-6.2 SECTION

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



4 S-6.2 SECTION

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



5 S-6.2 SECTION

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

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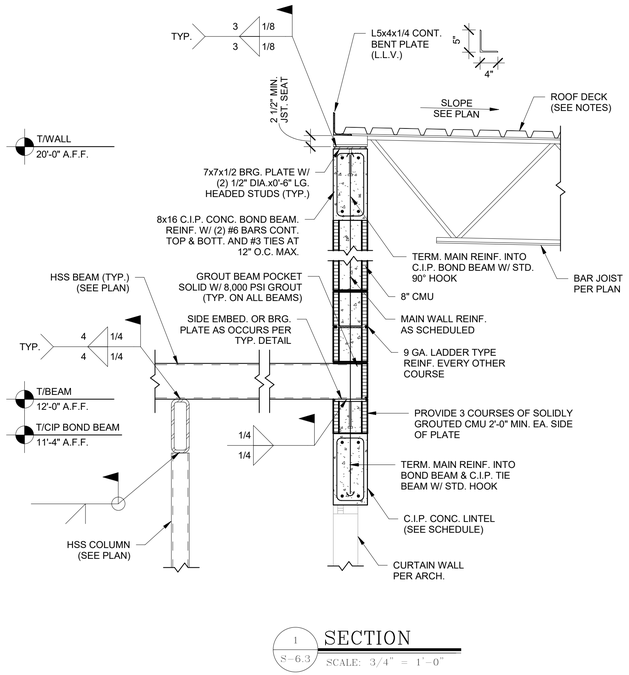
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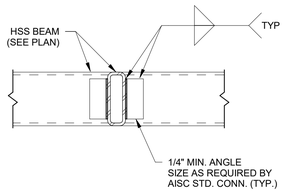
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S-6.2

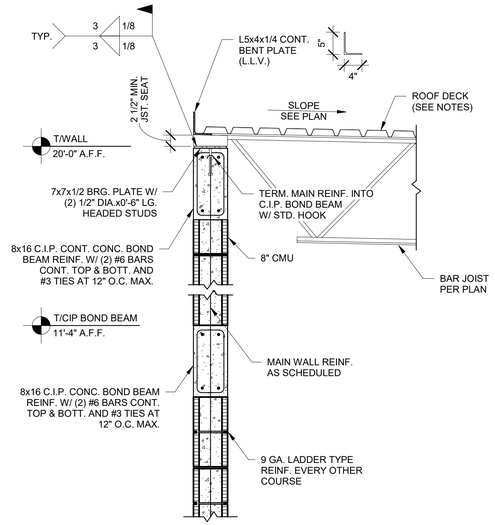
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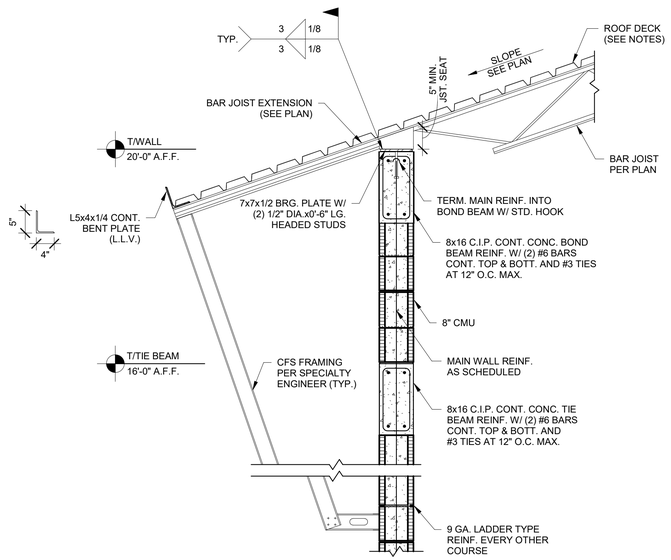
1 / S-6.3 SECTION
SCALE: 3/4" = 1'-0"



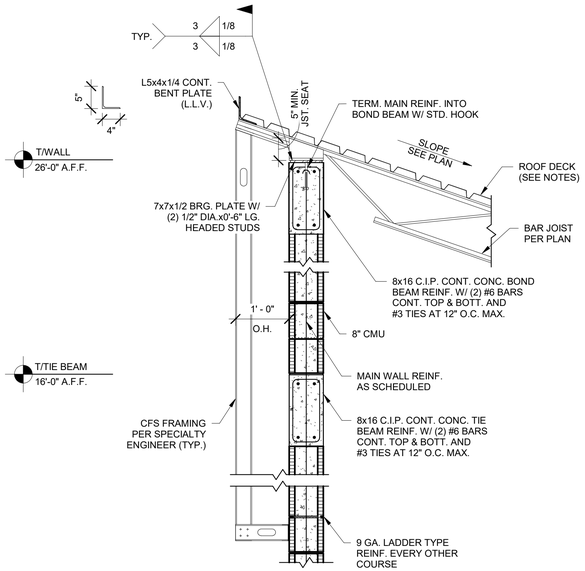
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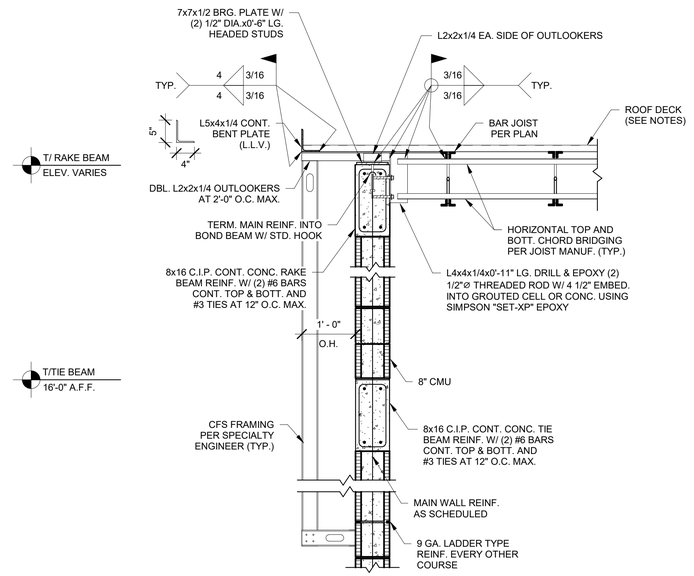
3 / S-6.3 SECTION
SCALE: 3/4" = 1'-0"



4 / S-6.3 SECTION
SCALE: 3/4" = 1'-0"



5 / S-6.3 SECTION
SCALE: 3/4" = 1'-0"



6 / S-6.3 SECTION
SCALE: 3/4" = 1'-0"

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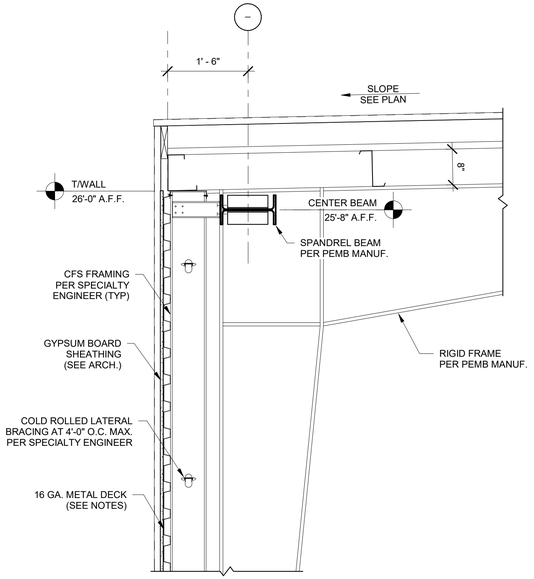
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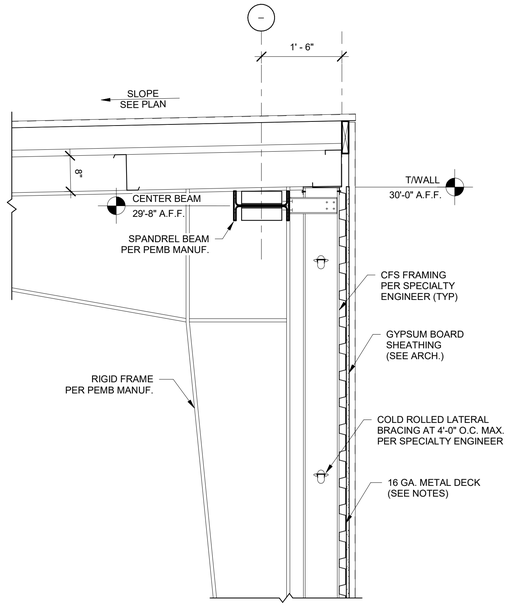
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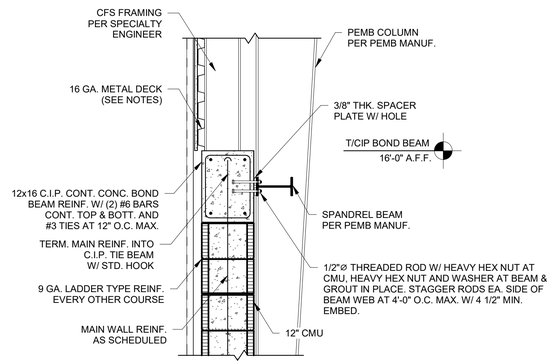
SHEET No.
S-6.3



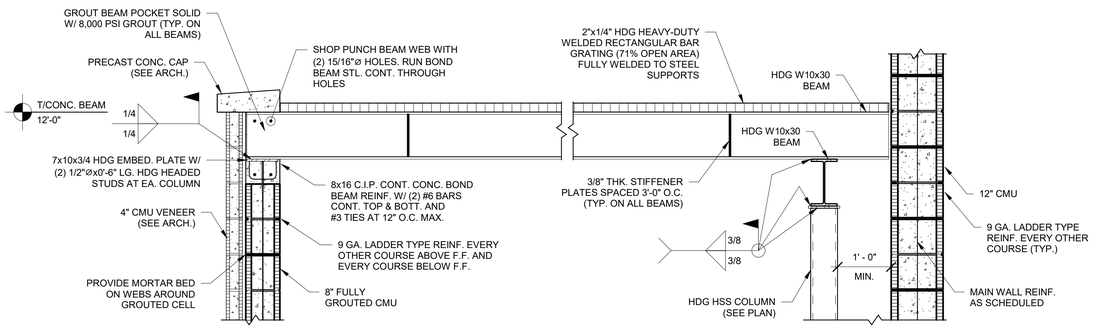
1 S-6.4 SECTION
SCALE: 3/4" = 1'-0"



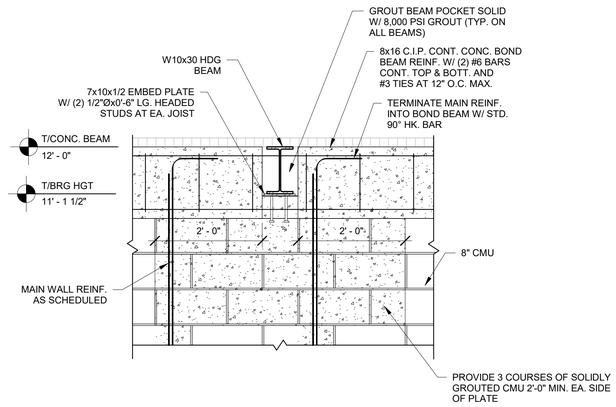
2 S-6.4 SECTION
SCALE: 3/4" = 1'-0"



3 S-6.4 SECTION
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4 S-6.4 SECTION
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5 S-6.4 SECTION
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LEGEND

———	S or W	SOIL OR WASTE PIPING
— — —	V	VENT PIPING
———	CW	COLD WATER SUPPLY PIPING
———	HW	HOT WATER SUPPLY PIPING
———	HWR	HOT WATER RETURN PIPING
——A——	A	COMPRESSED AIR
—GAS—	G	GAS
	GV	GATE VALVE
	CV	CHECK VALVE
	BV	BALL VALVE
	HB	HOSE BIBB
	WH	WALL HYDRANT
	CO	CLEANOUT TO FLOOR
	FD	FLOOR DRAIN
	COTG	CLEANOUT TO GRADE
	COAC	CLEANOUT ABOVE CEILING
		UNION
	VTR	VENT THRU ROOF
1		SHEET NOTE
		POINT OF CONNECTION TO EXISTING
	SH	SHOWER
	MR	MOP RECEPTOR
	UR	URINAL
	WC	WATER CLOSET
	UB	WALL MOUNTED UTILITY BOX
	IWH	INSTANTANEOUS ELECTRIC WATER HEATER
	EWC	ELECTRIC WATER COOLER
	L	LAVATORY
	WH	WALL HYDRANT
	HB	HOSE BIBB
	KW	KILOWATT
	AD	AIR DROP
	TP	AUTOMATIC TRAP PRIMER
	WHA	TYPE "A" WATER HAMMER ARRESTER
	WHB	TYPE "B" WATER HAMMER ARRESTER
	WHC	TYPE "C" WATER HAMMER ARRESTER
	HR	HOSE REEL
	A	AIR
	G	GAS
	AC	AIR COMPRESSOR
	TD	TRENCH DRAIN
	DT	TROUGH DRAIN
	COTS	CLEANOUT TO SIDEWALK
	OI	OIL INTERCEPTOR

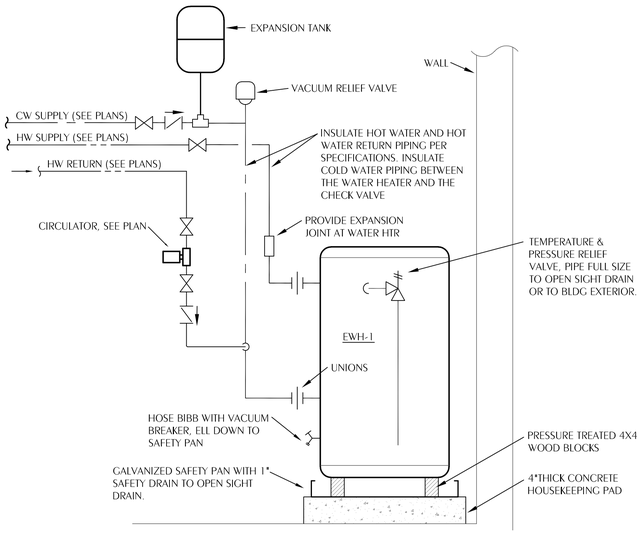
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	PIPE SIZES-INCHES		
		CW	HW	W
WC-1	WATER CLOSET	1	"	4
WC-2	WATER CLOSET	1	"	4
UR-1	URINAL	3/4	"	2
L-1	LAVATORY	3/8	3/8	1-1/4
L-2	LAVATORY	3/8	3/8	1-1/4
L-3	LAVATORY	3/8	3/8	1-1/4
SK-1	DUAL COMPARTMENT SINK	3/8	3/8	1-1/2
HS-1	HAND SINK	3/8	3/8	1-1/4
MV-1	WATER MIXING VALVE	1/2	1/2	"
SS-1	SERVICE SINK	1/2	1/2	3
SH-1	SHOWER	1/2	1/2	2
EWC-1	ELECTRIC WATER COOLER	1/2	"	1-1/2
EWH-1	ELECTRIC WATER HEATER	1/2	1/2	"
EWH-1	ELECTRIC WATER HEATER	1/2	1/2	"
CP-1	CIRCULATOR PUMP(INLINE)	"	3/4 FLANGE	"
UB-1	RECESSED UTILITY WALL BOX (ICE MAKER HOOK-UP)	3/8	"	"
FD	FLOOR DRAIN	"	"	3
TP-1	TRAP PRIMER	"	"	"
HB	HOSE BIBB	3/4	"	"
TCV	TEMPERATURE CONTROL VALVE	"	"	"

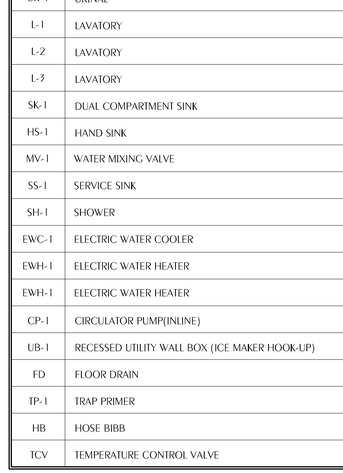
1. WATER SUPPLY TAPPING TO EACH PLUMBING FIXTURE SHALL BE FULL SIZE (MINIMUM).
2. SEE ELECTRICAL DWGS FOR FINAL POWER REQUIREMENTS.
3. PROVIDE WATER HAMMER ARRESTERS ON HOT & COLD WATER SUPPLY BRANCHES SERVING SINGULAR, MULTIPLE OR GROUPS OF PLUMBING FIXTURES. ADHERENCE TO THE PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I.-WH201 (PER SPECIFICATIONS) SHALL BE EMPLOYED IN DETERMINING PROPER SIZE, SELECTION, PLACEMENT, LOCATION AND INSTALLATION OF ARRESTERS.

PLUMBING GENERAL NOTES

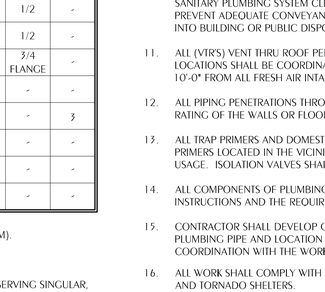
1. COORDINATE ALL PIPING WITH DUCTWORK SHOP DRAWINGS. ROUTE PIPING AS REQUIRED TO AVOID CONFLICTS.
2. PRIOR TO START OF ANY WORK, COORDINATE SANITARY SEWER AND POTABLE WATER PIPING WITH CIVIL DRAWINGS.
3. FIELD VERIFY PIPE INVERTS PRIOR TO LAYING OUT SANITARY SEWER PIPING.
4. ALL PIPING PASSING THROUGH WALLS SHALL HAVE A SLEEVE PER SPECIFICATIONS.
5. ALL PIPING PASSING THROUGH FIRE-RATED WALLS SHALL HAVE A FIRE-RATED SLEEVE PER SPECIFICATIONS.
6. ALL PIPING INDICATED IS ABOVE THE CEILING EXCEPT THE OBVIOUS SANITARY SOIL, WASTE, VENT AND POTABLE WATER PIPING BELOW FLOOR OR GRADE.
7. SEE TOILET ROOM ELEVATIONS ON ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE MOUNTING HEIGHT.
8. COORDINATE LOCATION OF ALL FLOOR DRAINS SERVING HVAC EQUIPMENT WITH HVAC EQUIPMENT SHOP DRAWINGS.
9. UNDER SLAB SOIL, WASTE AND VENT PIPING PASSING TO UNDERSIDE OR THROUGH FOUNDATION FOOTING, WALL OR GRADE BEAM SHALL BE PROVIDED WITH A RELIEVING ARCH OR PIPE SLEEVE 2 (TWO) PIPE SIZES GREATER THAN PIPE SIZE INDICATED ON PLANS. COORDINATE FINAL PIPE ROUTING AND LAYOUT WITH STRUCTURAL DRAWINGS.
10. PRIOR TO SUBSTANTIAL COMPLETION OF NEW WORK AREAS, CONTRACTOR SHALL HAVE SANITARY PLUMBING SYSTEM CLEARED OF DEBRIS OR ANY MATTER THAT WOULD INTERFERE OR PREVENT ADEQUATE CONVEYANCE OF MATERIALS FROM MOVING THROUGH AND TERMINATING INTO BUILDING OR PUBLIC DISPOSAL FACILITIES.
11. ALL (VTR'S) VENT THRU ROOF PENETRATIONS INDICATED ON PLANS ARE PRELIMINARY. FINAL LOCATIONS SHALL BE COORDINATED WITH ALL TRADES. ALL VTR'S SHALL BE A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKE OPENINGS.
12. ALL PIPING PENETRATIONS THROUGH WALLS OR FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE WALLS OR FLOORS.
13. ALL TRAP PRIMERS AND DOMESTIC WATER ISOLATION VALVES SHALL BE ACCESSIBLE. TRAP PRIMERS LOCATED IN THE VICINITY OF WATER CLOSETS SHALL BE ACTIVATED BY WATER CLOSET USAGE. ISOLATION VALVES SHALL BE OF THE QUARTER TURN BALL OR GATE TYPE.
14. ALL COMPONENTS OF PLUMBING SYSTEMS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS AND THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE (8TH EDITION).
15. CONTRACTOR SHALL DEVELOP COORDINATION SHOP DRAWINGS WHICH IDENTIFY ROUTING OF PLUMBING PIPE AND LOCATION OF EQUIPMENT. SHOP DRAWINGS SHALL INDICATE COORDINATION WITH THE WORK OF OTHER TRADES.
16. ALL WORK SHALL COMPLY WITH FEMA P-361 AND ICC 500 REQUIREMENTS FOR HURRICANE AND TORNADO SHELTERS.



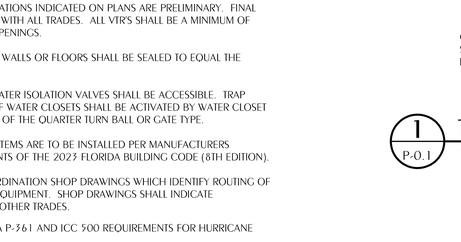
1 P-0.1 **TYPICAL WATER HEATER PIPING DIAGRAM**
SCALE: NONE



3 P-0.1 **TRAP PRIMER DETAIL**
SCALE: NONE



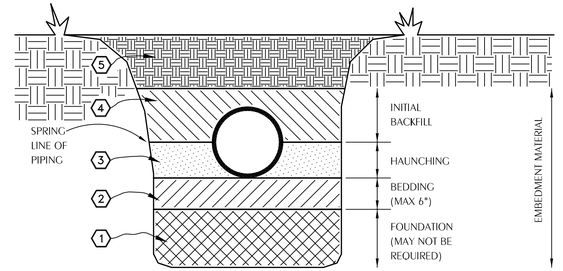
4 P-0.1 **CLEANOUT TO WALL**
SCALE: NONE



5 P-0.1 **CLEANOUT TO GRADE**
SCALE: NONE

1. A FOUNDATION MAY BE REQUIRED IN VERY POOR SOIL CONDITIONS.
2. BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. IN DRY SOIL CONDITIONS, CLASS II OR III MATERIAL SHALL BE HAND PLACED IN 4-6", LIGHTLY COMPACTED UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. IN WET CONDITIONS, CLASS I, II OR III MATERIAL SHALL BE HAND PLACED IN 4-6", UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. WHEN UTILIZING CLASS I MATERIAL, SUFFICIENT AMOUNTS OF CLASS II OR III MATERIAL SHALL BE ADDED TO FILL ALL VOIDS CREATED BY THE USE OF CLASS I MATERIAL.
3. HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. CLASS II OR III MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
4. INITIAL BACKFILL MATERIAL SHALL BE CLASS II OR III. IT SHALL BE PLACED WITHIN 24-30" ABOVE THE TOP OF THE PIPE AND TAMPED BY A PORTABLE VIBRATOR. FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED. THE MATERIAL SHALL BE CLASS II OR III MATERIAL. CLASS IV MATERIAL MAY BE INSTALLED OUTSIDE OF ROADWAY.
5. FINAL BACKFILL UNDER ROADWAYS MAY REQUIRE SPECIAL COMPACTION AND DENSITY TESTS. A MINIMUM OF 30" OF COVER OVER THE TOP OF THE PIPE SHALL BE PROVIDED BEFORE THE TRENCH IS WHEEL- LOADED.

NOTE:
ALL EMBEDMENT MATERIALS SHALL BE NO LESS THAN 95% OF MAXIMUM DENSITY. LABORATORY TESTING OF THE SOIL WILL BE REQUIRED. THIS PROCEDURE SHALL BE REQUIRED ON ALL INSTALLATIONS. ALL TRENCHING, EXCAVATION, AND BACKFILLING SHALL BE IN ACCORDANCE WITH 2023 FLORIDA PLUMBING CODE.



EMBEDMENT MATERIALS

CLASS I: ANGUALAR, 1/4"-1-1/2", GRADED STONE, INCLUDING A NUMBER OF FILL MATERIALS THAT HAVE REGIONAL SIGNIFICANCE SUCH AS CORAL, SLAG, CINDERS, CRUSHED STONE AND CRUSHED SHELLS.

CLASS II: COARSE SANDS AND GRAVELS WITH MAXIMUM PARTICLE SIZE OF 1-1/2" INCLUDING VARIOUS GRADED SANDS AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINES, GENERALLY GRANULAR AND NON-COHESIVE, EITHER WET OR DRY. SOIL TYPES GW, GP, SW, AND SP ARE INCLUDED IN THIS CLASS.

CLASS III: FINE SAND AND CLAY GRAVELS, INCLUDING FINE SANDS, SAND-CLAY MIXTURES AND GRAVEL-CLAY MIXTURES. SOIL TYPES GM, GC, SM, AND SC ARE INCLUDED IN THIS CLASS.

CLASS IV: SILT, SILTY CLAYS, AND CLAYS, INCLUDING INORGANIC CLAYS AND SILT OF MEDIUM TO HIGH PLASTICITY AND LIQUID LIMITS. SOIL TYPES MH, ML, CH, AND CL ARE INCLUDED IN THIS CLASS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.

CLASS V: THIS CLASS INCLUDES THE ORGANIC SOILS, AS WELL AS SOILS CONTAINING FROZEN EARTH, DEBRIS, ROCKS LARGER THAN 1-1/2" IN DIAMETER AND OTHER FOREIGN MATERIALS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.

2 P-0.1 **EXCAVATION AND BACKFILL DETAIL**
SCALE: NONE

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SHEET TITLE: PLUMBING LEGEND, SCHEDULE, DETAILS, AND NOTES

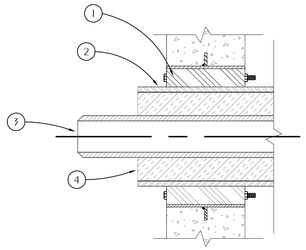
CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: JDD
CHECKED BY: KAJ

SHEET No.
P-0.1

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Project Number: 2025-032

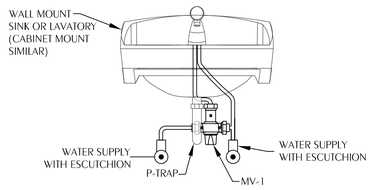
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SEPTEMBER 4TH, 2025



1 WALL SEAL APPURTENANCES PER SPECIFICATIONS
2 PIPE SLEEVE PER SPECIFICATIONS
3 PIPING
4 INSUL ATION

1 P-0.2 TYPICAL PIPE PENETRATION OF WALL

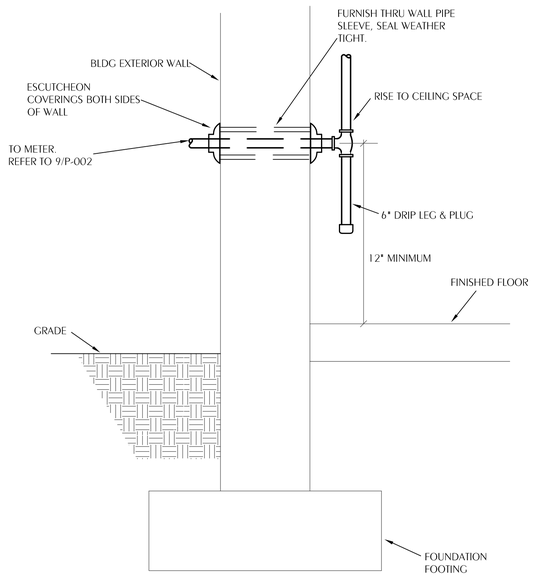
SCALE: NONE



5 P-0.2 LAV/SINK MIXING VALVE DETAIL

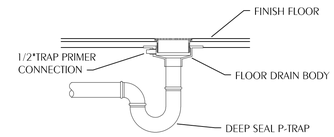
SCALE: NONE

NOTE: MIXING VALVE WILL BE TYPICAL FOR L-1, L-2, L-3, SK-1, HS-1



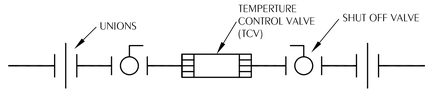
8 P-0.2 TYPICAL GAS SERVICE ENTRANCE @ BLDG. EXTERIOR

SCALE: NONE



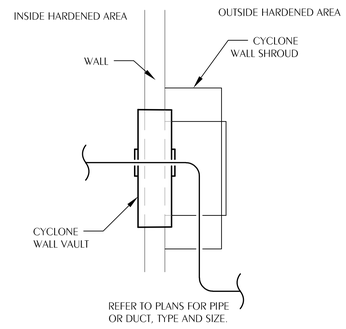
2 P-0.2 FLOOR DRAIN WITH TRAP PRIMER DETAIL

SCALE: NONE



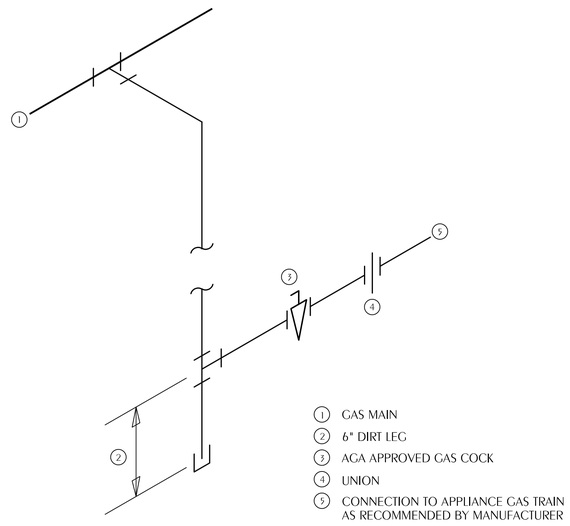
3 P-0.2 THERMOSTATIC TEMPERATURE CONTROL VALVE DETAIL

SCALE: NONE



6 P-0.2 HARDENED WALL PENETRATION DETAIL

SCALE: NONE

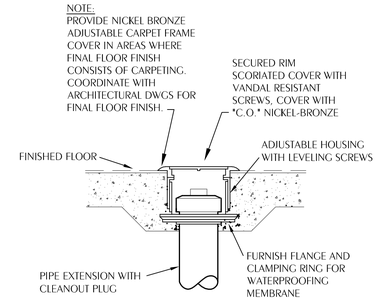


1 GAS MAIN
2 6" DIRT LEG
3 AGA APPROVED GAS COCK
4 UNION
5 CONNECTION TO APPLIANCE GAS TRAIN AS RECOMMENDED BY MANUFACTURER

9 P-0.2 TYPICAL GAS PIPING CONNECTION DETAIL

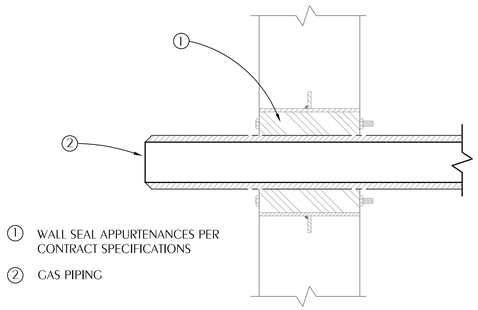
SCALE: NONE

NOTE:
PROVIDE NICKEL BRONZE ADJUSTABLE CARPET FRAME COVER IN AREAS WHERE FINAL FLOOR FINISH CONSISTS OF CARPETING. COORDINATE WITH ARCHITECTURAL DWGS FOR FINAL FLOOR FINISH.



4 P-0.2 CLEANOUT TO FLOOR

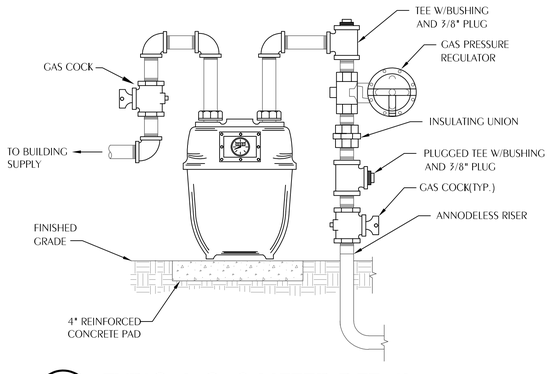
SCALE: NONE



1 WALL SEAL APPURTENANCES PER CONTRACT SPECIFICATIONS
2 GAS PIPING

7 P-0.2 TYPICAL GAS PIPE WALL PENETRATION DETAIL

SCALE: NONE



10 P-0.2 TYPICAL GAS METER DETAIL

SCALE: NONE

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SHEET TITLE: PLUMBING DETAILS

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: JDD
CHECKED BY: KAJ

SHEET No.
P-0.2

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Project Number: 2025-032

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SEPTEMBER 4TH, 2025

PLUMBING SPECIFICATIONS

WC-1 WATER CLOSET, FLOOR-MOUNT (ADULT HANDICAP, MANUAL VALVE):

VITREOUS CHINA, 1.28 GALLONS PER FLUSH, ELONGATED, HIGH EFFICIENCY SIPHON JET, WHITE, WATER SAVER BOWL WITH 1-1/2" TOP SPUD, 17" HIGH FOR HANDICAPPED, EXPOSED CHROME PLATE FLUSH VALVE, WITH SCREWDRIVER STOP, VACUUM BREAKER, QUIET FLUSH FEATURE, WITH SWEAT SOLDER KIT AND CAST WALL FLANGE. HEAVY MOLDED PLASTIC, WHITE, ELONGATED, OPEN FRONT SEAT LESS COVER, WITH STAINLESS STEEL, SELF-SUSTAINING CHECK HINGES. HOLD CENTERLINE FLUSH VALVE ASSEMBLY OFF FINISH WALL FOR GRAB BAR CLEARANCES, COORDINATE WITH ARCHITECTURAL DRAWINGS.

WATER CLOSET	ZURN Z5665BWL
VALVE	ZURN Z6000PL-HET
SEAT	ZURN Z5955SS-EL-STS
CLOSET BOLT/WAX RING KIT	ZURN Z5972-COMB

WC-2 WATER CLOSET, FLOOR-MOUNT (STANDARD, MANUAL VALVE):

VITREOUS CHINA, 1.28 GALLONS PER FLUSH, ELONGATED, HIGH EFFICIENCY SIPHON JET, WHITE, WATER SAVER BOWL WITH 1-1/2" TOP SPUD. EXPOSED CHROME PLATE FLUSH VALVE, WITH SCREWDRIVER STOP, VACUUM BREAKER, QUIET FLUSH FEATURE, WITH SWEAT SOLDER KIT AND CAST WALL FLANGE. HEAVY MOLDED PLASTIC, WHITE, ELONGATED, OPEN FRONT SEAT LESS COVER, WITH STAINLESS STEEL, SELF-SUSTAINING CHECK HINGES.

WATER CLOSET	ZURN Z5655-BWL1
VALVE	ZURN Z6000PL-HET
SEAT	ZURN Z5955SS-EL-STS
CLOSET BOLT/WAX RING KIT	ZURN Z5972-COMB

UR-1 URINAL, WALL-MOUNT (HANDICAP, MANUAL VALVE):

VITREOUS CHINA, 0.5 GALLONS PER FLUSH, SIPHON JET FLUSH, 3/4" TOP SPUD, AND 2" OUTLET URINAL. EXPOSED CHROME PLATED FLUSH VALVE WITH SCREWDRIVER STOP, VACUUM BREAKER AND QUIET FLUSH FEATURE. MOUNT TO SATISFY ADA REQUIREMENTS, COORDINATE WITH ARCHITECTURAL DRAWINGS (TOILET ROOM ELEVATIONS) FOR FINAL MOUNTING HEIGHT. FURNISH FLOOR MOUNTED SINGLE CARRIER WITH HANGER PLATE, BEARING PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE BASE TO FLOOR FOR RIGID CONNECTION WITH 1/2" X 3-3/4" THREADED ZINC PLATED STEEL HEAVY DUTY WEDGE ANCHORS, COMPLETE WITH STAINLESS STEEL CLIP, WASHER AND THREADED NUT, CONFORMING TO FEDERAL SPEC. FF-S-325.

URINAL	ZURN Z5738-U
VALVE	ZURN Z6003AV
URINAL FLANGE KIT	ZURN Z5976-URINAL
CARRIER	ZURN Z-1222
BASE ANCHORAGE	B-LINE ANCHORS AWA-50-375

L-1 LAVATORY, WALL-MOUNT (HANDICAP):

VITREOUS CHINA 20" X 18", COLOR "WHITE", CENTER HOLE SETTING, FRONT OVERFLOW, FOR CONCEALED ARM SUPPORT. FURNISH FLOOR-MOUNTED SINGLE CARRIER WITH CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE BASE TO FLOOR FOR RIGID CONNECTION WITH 1/2" X 3-3/4" THREADED ZINC PLATED STEEL HEAVY DUTY WEDGE ANCHORS, COMPLETE WITH STAINLESS STEEL CLIP, WASHER AND THREADED NUT, CONFORMING TO FEDERAL SPEC. FF-S-325. PROVIDE CHROME PLATED ANGLE STOP TO WALL WITH CHROME PLATED 5/8" FLEXIBLE SUPPLY AND LOOSE KEY OPERATOR, INTEGRAL PERFORATED CAST BRASS STRAINER WITH ELBOW AND 1-1/4" OFFSET TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. POLISHED CHROME PLATED CAST BRASS SINGLE WATER METERING FAUCET WITH COVER PLATE, 0.5 GPM AERATOR, OUTLET AND PUSH BUTTON. LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLY AND RISERS SHALL BE INSULATED WITH A WHITE FULLY MOLDED EVA FOAM TUBULAR COVER. COVERS SHALL JOIN USING SECURE FIT HOOK AND LOOP CONNECTION. LAVATORY SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 28" FROM FLOOR TO BOTTOM OF THE APRON. KNEE AND TOE CLEARANCES SHALL BE AS FOLLOWS: 27" CLEAR HEIGHT SHALL BE PROVIDED FROM FINISHED FLOOR TO A POINT ON UNDERSIDE OF BOWL 8" IN FROM FRONT APRON. TOE CLEARANCE SHALL BE A MINIMUM HEIGHT OF 9" UNDER P-TRAP AND SUPPLIES OR STOPS. SEE ARCHITECTURAL DRAWINGS FOR FINAL MOUNTING HEIGHT.

LAVATORY	ZURN Z5341
FAUCET	ZURN Z-86300-XL-3M
SUPPLY W/STOP	ZURN Z8800LRLK-PC
P-TRAP	ZURN Z8700-PC
STRAINER/TAILPIECE	ZURN Z8746
INSULATION KIT	DEARBORN ADA100
CARRIER	ZURN Z-1231
BASE ANCHORAGE	B-LINE ANCHORS AWA-50-375

L-2 LAVATORY, WALL-MOUNT (STANDARD):

VITROUS CHINA 20" X 18", COLOR "WHITE", CENTER HOLE SETTING, FRONT OVERFLOW, FOR CONCEALED ARM SUPPORT. FURNISH FLOOR-MOUNTED SINGLE CARRIER WITH CONCEALED ARMS, LEVELING AND SECURING SCREWS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE BASE TO FLOOR FOR RIGID CONNECTION WITH 1/2" X 3-3/4" THREADED ZINC PLATED STEEL HEAVY DUTY WEDGE ANCHORS, COMPLETE WITH STAINLESS STEEL CLIP, WASHER AND THREADED NUT, CONFORMING TO FEDERAL SPEC. FF-S-325. PROVIDE CHROME PLATED ANGLE STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE SUPPLY AND LOOSE KEY OPERATOR, INTEGRAL PERFORATED CAST BRASS STRAINER WITH 1-1/4" TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. POLISHED CHROME PLATED CAST BRASS SINGLE WATER METERING FAUCET WITH COVER PLATE, 0.5 GPM AERATOR, OUTLET AND PUSH BUTTON.

LAVATORY	ZURN Z5341
FAUCET	ZURN Z-86300-XL-3M
SUPPLY W/STOP	ZURN Z-8800LRLK-PC
P-TRAP	ZURN Z-8700PC
STRAINER/TAILPIECE	ZURN Z-8743-PC
CARRIER	ZURN Z-1231
BASE ANCHORAGE	B-LINE ANCHORS AWA-50-375

L-3 LAVATORY, COUNTERTOP (HANDICAP):

VITREOUS CHINA 20" X 17", OVAL, COLOR "WHITE", CENTER HOLE SETTING, FRONT OVERFLOW. PROVIDE CHROME PLATED 1/2" IPS X 3/8"OD, LOOSE KEY OPERATED, ANGLE STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE COPPER RISERS, INTEGRAL PERFORATED CAST BRASS STRAINER WITH ELBOW AND 1-1/4" OFFSET TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. POLISHED CHROME PLATED CAST BRASS SINGLE WATER METERING FAUCET WITH COVER PLATE, 0.5 GPM AERATOR, OUTLET AND PUSH BUTTON.

LAVATORY	ZURN Z5111
FAUCET	ZURN Z-86300-XL-3M
SUPPLY W/STOP	ZURN Z8802LRLK-PC
P-TRAP	ZURN Z8700-PC
STRAINER/TAILPIECE	ZURN Z8746
CARRIER	ZURN Z-1231
BASE ANCHORAGE	B-LINE ANCHORS AWA-50-375

SK-1 DOUBLE COMPARTMENT STAINLESS STEEL SINK:

33" X 22" X 8-1/8" DEEP (BOWL IS 13-1/2X16X7-3/4), TYPE 304, 18 GAUGE, 8" CENTERS, SELF RIMMING SINGLE COMPARTMENT, (18-8) NICKEL BEARING STAINLESS STEEL, BACK LEDGE SINK WITH SATIN FINISH AND SOUND DEADENING MATERIALS ON SIDE AND BOTTOM OF SINK. PROVIDE POLISHED CHROME PLATED TOP MOUNT SWING GOOSENECK SPOUT WITH STRAIGHT LEVER HANDLES, WATER SAVING AERATOR, HOSE AND SPRAY, STRAINER WITH REMOVABLE CRUMB CUP AND STOPPER, 1-1/2 TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. CHROME PLATED LOOSE KEY ANGLE STOP TO WALL WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES. COORDINATE WITH CABINET SHOP DRAWINGS, BASE CABINET MUST BE A TRUE MINIMUM 24" DEEP BACK TO FRONT IN ORDER FOR SINK TO DROP INTO COUNTERTOP OPENING. SINK DRILLINGS SHALL ACCOMMODATE FITTING INSTALLATION ONLY, NO OTHER CAPPED OPENINGS WILL BE ALLOWED. UNDER SINK MIXING VALVE WITH THREADED CONNECTION, BRONZE BODY, LIMITS HOT WATER BETWEEN 80ºF & 120ºF AND SET AT 95 DEGREE F, DOUBLE THROTTLING, INTEGRAL INLET FILTER WASHERS & CHECK VALVES, TAMPER RESISTANT LOCKING CAP. MEETS ASSE 1070 STANDARDS. PROVIDE UNDER SINK DISPOSAL WITH 1/3 HP MOTOR.

SINK	ELKAY L2-3222
FAUCET	ZURN Z-871 C1-HS
STRAINER	ELKAY LK-35
WASTE	ELKAY LK-353
SUPPLIES	ZURN Z-8802-LK
P-TRAP	ZURN Z-8702 PC
MIXING VALVE	WATTS LFUSG-B
DISPOSAL	GE GFC320V

HS-1 STAINLESS STEEL HANDWASHING SINK (HANDICAP):

16-3/4"X15-1/2" 20 GAUGE 304 STAINLESS STEEL WALL MOUNTED SINGLE BOWL HANDWASHING SINK WITH BUFFED SATIN FINISH. EACH BOWL IS 10"X14"X12". REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT. PROVIDE SPLASH MOUNT POLISHED CHROME PLATED CAST BRASS GOOSENECK FAUCET, 8" OC, WITH 4" WRISTBLADE HANDLES, 1.5 GPM AERATOR AND QUARTER TURN DISC VALVE. PROVIDE OFFSET CHROME PLATED TAILPIECE AND 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE DISCHARGE TO WALL. CHROME PLATED LOOSE KEY ANGLE STOP TO WALL, WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES. SINK DRILLINGS SHALL ACCOMMODATE FITTING INSTALLATION ONLY, NO OTHER CAPPED OPENINGS WILL BE ALLOWED.

SINK	ELKAY CHS17162
FAUCET	ELKAY LK940GN05T4H
STRAINER	ELKAY LK-35
P-TRAP	ZURN Z-8702 PC
SUPPLY	ZURN Z-8800-LR-LK

SS-1 SERVICE SINK (WALL MOUNT):

22-1/4" X 18-1/4" CAST IRON, ACID RESISTANT SERVICE SINK WITH BACK WALL HANGER. ROUGH CHROME PLATED FAUCET WITH TOP BRACE, ON 8" CENTERS, BUCKET HOOK, VACUUM BREAKER, STOPS AND HOSE END, 3" OUTLET DRAIN WITH STRAINER TO WALL ARE INSIDE WITH FOOT SUPPORT. 3" P-TRAP WITH CLEANOUT TO WALL INSIDE WITH FOOT SUPPORT.

SINK	KOHLER K-6714
FAUCET	KOHLER K-8905 RP
HANGERS	64515
P-TRAP	ZURN TS-2900

SH-1 SHOWER (HANDICAP):

SINGLE HANDLE PRESSURE-BALANCING MIXING VALVE. CERAMIC CONTROL CARTRIDGE WITH STAINLESS STEEL BALANCING PISTON. MUST HOLD SHOWER TEMPERATURE STEADY WITH PRESSURE FLUCTUATIONS UP TO 85%. PACKING WITH BRASS ADJUSTABLE LIMIT STOP SCREW TO PROHIBIT VALVE HANDLE FROM BEING TURNED TO EXCESSIVE HOT DISCHARGE TEMPERATURES. ALL TRIM TO BE COPPER NICKEL CHROME PLATED. SERVICE STOPS TO BE BRASS AND CAST INTEGRAL WITH VALVE BODY. TWO WAY CHROME DIVERTER VALVE. BRASS SHOWER HEAD WITH ARM AND FLANGE. WALL/HAND SHOWER WITH FLEXIBLE METAL HOSE, IN-LINE VACUUM BREAKER, WALL CONNECTION AND FLANGE, 30" SLIDE BAR FOR HAND SHOWER MOUNTING.

SHOWER	ZURN Z-7301-SS-MT-DV-2P-HW
DRAIN	ZURN ZN-415 2" WITH 5" B

MV-1 WATER MIXING VALVE (THERMOSTATIC MIXING):

UNDER SINK 3/8" COMPRESSION FITTING MIXING VALVE, BRASS BODY, LEAD FREE, LIMITS HOT WATER BETWEEN 80ºF & 120ºF, DUAL CHECK VALVES, 0.25GPM MIN. FLOW, 40 MESH STAINLESS STEEL STRAINER, TAMPER RESISTANT LOCKING CAP. MEETS ASSE 1070 STANDARDS.

EXPOSED MIXING VALVE	WATTS LFUSG-B

UB-1 RECESSED UTILITY BOX (REFR. SPACE):

RECESSED METAL WALL BOX CONSTRUCTED AND SUITABLE FOR FIRE RATED PARTITIONS COMPLETE WITH FACTORY INSTALLED SHANK VALVE WITH 1/4" O.D. COPPER OUTLET TESTED AT 100 PSI. PROVIDE APPROXIMATELY 5' OF 1/4" O.D. SOFT COPPER TUBING WITH COMPRESSION FITTING IN TIGHT COIL. ANCHOR BOX TO WALL STRUCTURE. VERIFY LOCATION AND MOUNTING HEIGHT WITH DRAWINGS OR MOUNT TO MANUFACTURERS RECOMMENDATIONS.

WALL BOX	GUY GRAY BIM 875

EWC-1 ELECTRIC WATER COOLER (HANDICAP/BOTTLE STATION):

WALL MOUNT, SELF-CONTAINED ELECTRIC WATER COOLER WITH SENSOR ACTIVATED BOTTLE FILLING STATION. FURNISH FLOOR MOUNTED SINGLE CARRIER WITH BEARING PLATE, HANGER PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS AND BLOCK BASES. UNIT TO BE COMPLETE WITH HERMETIC AIR COOLED REFRIGERATION SYSTEM, COOLER PRE-COOLER, THERMOSTAT, SAFETY CONTROLS, CONDENSER FAN MOTOR, VERMIN PROOF INSULATION, STAINLESS STEEL CABINET, QUIET OPERATION. TOP OF COOLER SHALL BE NO. 3 SATIN FINISH STAINLESS STEEL, TWO-STREAM ANTI-SQUIRT PROJECTOR WITH ONE-PIECE CHROME PLATED HOOD GUARD, AND FRONT AND SIDE PUSH BAR CONTROLS. COOLER CAPACITY SHALL BE 8.1 GPH, COOLING 80-DEGREE F WATER TO 50 DEGREE F. PROVIDE ONE-YEAR WARRANTY ON ENTIRE COOLER. PROVIDE CHROME PLATED STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE SUPPLY. PROVIDE 1-1/4" CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. 120V, SINGLE PHASE, 6.0 FULL LOAD AMPS, 370 RATED WATTS, 1/6 COMPRESSOR HP. MOUNT TO SATISFY ADA REQUIREMENTS, VERIFY FINAL LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS. FINISH TO BE SELECTED BY ARCHITECT. CERTIFIED TO NSF/ANSI 42, 53, 61, & 372. UL 399 REQUIREMENTS.

EDF	ELKAY LZS8WSLK
P-TRAP	ZURN Z-8700-PC
CARRIER	ZURN Z-1225

EWH-1 ELECTRIC WATER HEATER:

ASHRAE STANDARD 90, GLASS LINED TANK SUITABLE FOR 150 PSI WORKING PRESSURE, 300-PSI TEST. FINISH OF DURABLE HIGH GLOSS BAKED ENAMEL. BLANKET GLASS FIBER INSULATION OVER ENTIRE TANK. CONTROL CIRCUIT TRANSFORMER AND MANUAL RESET HIGH TEMPERATURE LIMIT CONTROL. ASME PRESSURE AND TEMPERATURE RELIEF VALVE. WATER HEATER SHALL BE ACCEPTABLE FOR COMMERCIAL APPLICATION BY MANUFACTURER. PROVIDE 3 FULL YEAR WARRANTY, SNAP ACTION AUTOMATIC IMMERSION MOUNTED THERMOSTATS, IMMERSION TYPE HEATING ELEMENTS AND MAGNESIUM ANODE ROD. PROVIDE UNIT MOUNTED DISCONNECT SWITCH. PROVIDE INLET AND OUTLET SHUT-OFF VALVES, VACUUM RELIEF VALVE ON INLET WATER SUPPLY. PROVIDE GALVANIZED STEEL DRIP PAN. PROVIDE PRE-CHARGED EXPANSION TANK, OUTER STEEL SHELL (FLEXIBLE DIAPHRAGM TYPE), ON COLD WATER INLET SIDE OF WATER HEATER FOR THERMAL EXPANSION CONTROL, TANK VOLUME IN GALLONS SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE WATER HEATER SIZE IN GALLONS. 36 GAL, 4.5 KW, 208V/3 PHASE.

WATER HEATER	A. O. SMITH DEL-30
VACUUM RELIEF	WATTS 36A
EXPANSION TANK	AMTROL "THERM-X-TROL"

EWH-2 ELECTRIC WATER HEATER:

ASHRAE STANDARD 90, GLASS LINED TANK SUITABLE FOR 150 PSI WORKING PRESSURE, 300-PSI TEST. FINISH OF DURABLE HIGH GLOSS BAKED ENAMEL. BLANKET GLASS FIBER INSULATION OVER ENTIRE TANK. CONTROL CIRCUIT TRANSFORMER AND MANUAL RESET HIGH TEMPERATURE LIMIT CONTROL. ASME PRESSURE AND TEMPERATURE RELIEF VALVE. WATER HEATER SHALL BE ACCEPTABLE FOR COMMERCIAL APPLICATION BY MANUFACTURER. PROVIDE 3 FULL YEAR WARRANTY, SNAP ACTION AUTOMATIC IMMERSION MOUNTED THERMOSTATS, IMMERSION TYPE HEATING ELEMENTS AND MAGNESIUM ANODE ROD. PROVIDE UNIT MOUNTED DISCONNECT SWITCH. PROVIDE INLET AND OUTLET SHUT-OFF VALVES, VACUUM RELIEF VALVE ON INLET WATER SUPPLY. PROVIDE GALVANIZED STEEL DRIP PAN. PROVIDE PRE-CHARGED EXPANSION TANK, OUTER STEEL SHELL (FLEXIBLE DIAPHRAGM TYPE), ON COLD WATER INLET SIDE OF WATER HEATER FOR THERMAL EXPANSION CONTROL, TANK VOLUME IN GALLONS SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE WATER HEATER SIZE IN GALLONS. 50 GAL, 12.3 KW, 208V/3 PHASE. THREE 4.1 KW ELEMENTS WIRED FOR SIMULTANEOUS OPERATION.

WATER HEATER	A. O. SMITH DRE-52
VACUUM RELIEF	WATTS 36A
EXPANSION TANK	AMTROL "THERM-X-TROL"

CP-1 CIRCULATOR PUMP (INLINE TYPE):

INFINITELY VARIABLE CIRCULATOR MADE OF COMPOSITE CASING, HOUSING, IMPELLER, CERAMIC SHAFT, AND CARBON BEARINGS. A 44 WATT ECM PERMANENT MAGNET MOTOR AND ELECTRICAL CHARACTERISTICS ARE 120V/1 PHASE, 60 HZ., WITH 1" CONNECTIONS, MAXIMUM OPERATING PRESSURE OF 150 PSI, UL STANDARD 778 AND NSF CERTIFIED. DIGITAL TIMER WITH CIRCULATOR PROGRAMMING. TEMPERATURE AQUASTAT, MAINTAINS WATER TEMPERATURE BETWEEN 95°F AND 115°F. CIRCUIT SETTER CALIBRATED BALANCE VALVE, LEAD-FREE BRASS, WITH 1/4" NPT TAPPED DRAIN PORT, MEMORY STOP FEATURE, SET AT 1 GPM. PROVIDE CIRCUIT SOLVER A SELF-ACTING THERMOSTATIC RECIRCULATION VALVE SET AT 110ºF.

CIRCULATOR	TACO 006E3
TIMER	TACO 265-3
AQUASTAT	TACO 563-2
CIRCUIT SETTER	XYLEM CB-1/2S LF
RECIRCULATION VALVE (TVC)	CIRCUIT SOLVER CS-1/2-110,

FD FLOOR DRAIN:

DURA-COATED CAST IRON BODY, BOTTOM OUTLET AND TRAP PRIMER CONNECTION. TYPE B POLISHED NICKEL BRONZE STRAINER, MEMBRANE CLAMP & ADJUSTABLE COLLAR WITH SLOTS.

FLOOR DRAIN	ZURN Z-415B-P

TP-1 TRAP PRIMER:

PROVIDE BRASS TRAP PRIMERS AND DISTRIBUTION UNITS TO SEAL FLOOR DRAINS INDICATED ON DRAWINGS. TRAP PRIMER VALVES SHALL BE AUTOMATIC, SELF CONTAINED TYPE WITH NO SPRINGS OR DIAPHRAGMS AND SHALL NOT REQUIRE ADJUSTMENT. INLET AND OUTLET SIZE IS 1/2". TRAP PRIMER VALVES SHALL BE THE TYPE THAT CAN BE INSTALLED ANYWHERE ON COLD WATER PIPING SIZE 1-1/2" OR LESS. DISTRIBUTION UNITS SHALL SUPPLY 1-4 FLOOR DRAINS. TRAP PRIMER VALVES SHALL COMPLY WITH ASSE 1018. PRECISION PLUMBING PRODUCTS (PPP).

TRAP PRIMER	PPP PR-500
DISTRIBUTION UNIT	PPP DU-U

HB RECESSED HOSE BIB:

ANTI-SIPHON VACUUM BREAKER, FLUSH MOUNTING STAINLESS STEEL WALL BOX WITH HINGED COVER, 3/4 INCH HOSE THREAD, BRONZE BODY AND INTER PARTS, WHEEL HANDLE, LOOSE KEY FAUCET OPERATED CONTROL VALVE, DUAL CHECK VALVE, SCREWDRIVER OPERATED STOP VALVE IN SUPPLY, NARROW INSTALLATION.

WALL FAUCET	ZURN Z1335

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SHEET TITLE: PLUMBING SPECIFICATIONS

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION, REC, EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: JDD
CHECKED BY: KAJ

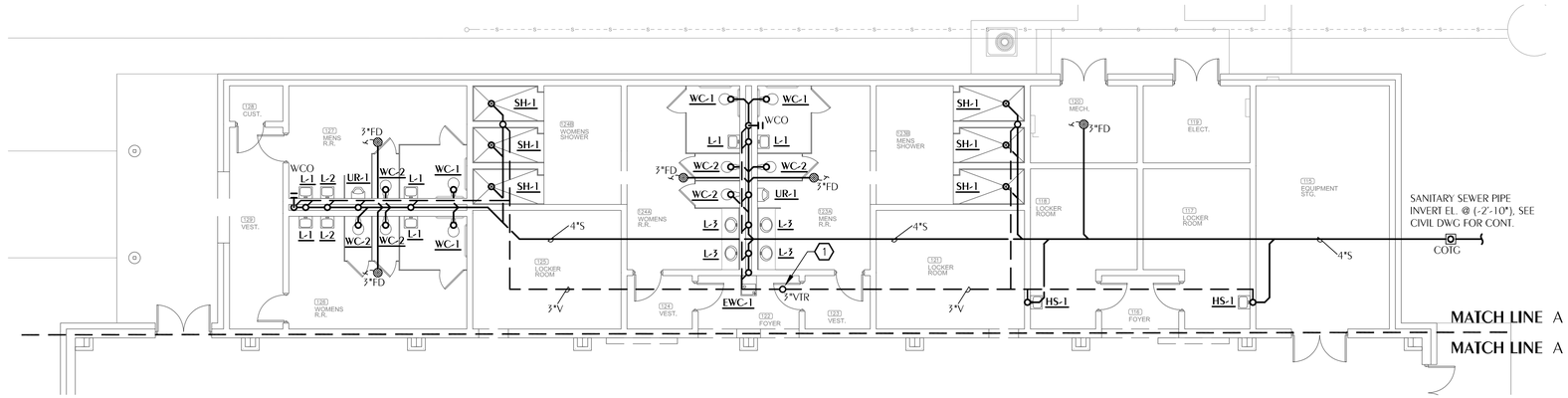
SHEET No.
P-0.3

WATFORD ENGINEERING
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Florida CA Number: 27825
Keith A. Johnson, PE
Florida License Number: 86457
850.526.3447 / 334.209.0212
Project Number: 2025-032

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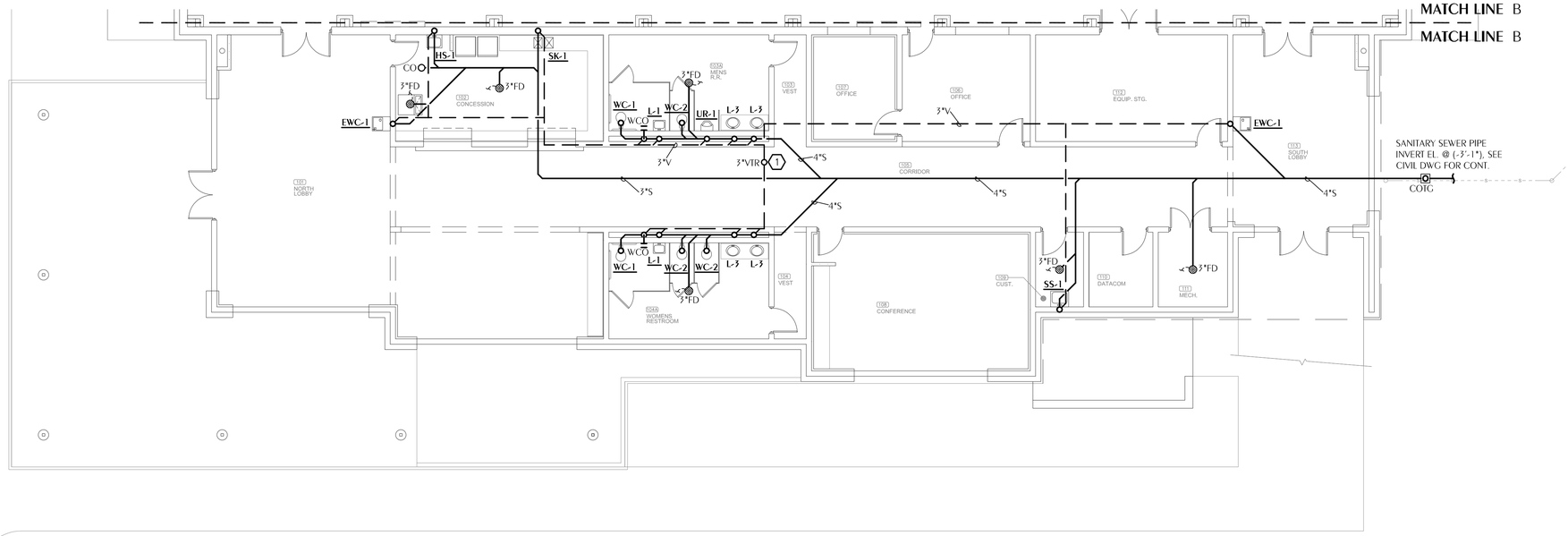
SHEET NOTES

1. VENTS THRU ROOF (VTR'S) SHALL BE PROTECTED AT ROOF PENETRATION. PROVIDE PRODUCTS BY ROOF PENETRATION HOUSING, LLC OR APPROVED EQUAL MEETING ICC-500 STANDARDS. PROVIDE CYCLONE CVTR. INSTALL PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.



PLUMBING SANITARY FLOOR PLAN - NORTH

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



PLUMBING SANITARY FLOOR PLAN - SOUTH

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

REFERENCE:
FINISHED FLOOR ELEVATION = 0'-0"

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SHEET TITLE: PLUMBING SANITARY FLOOR PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION, REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
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DRAWN BY: JDD
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SHEET No.
P-1.0

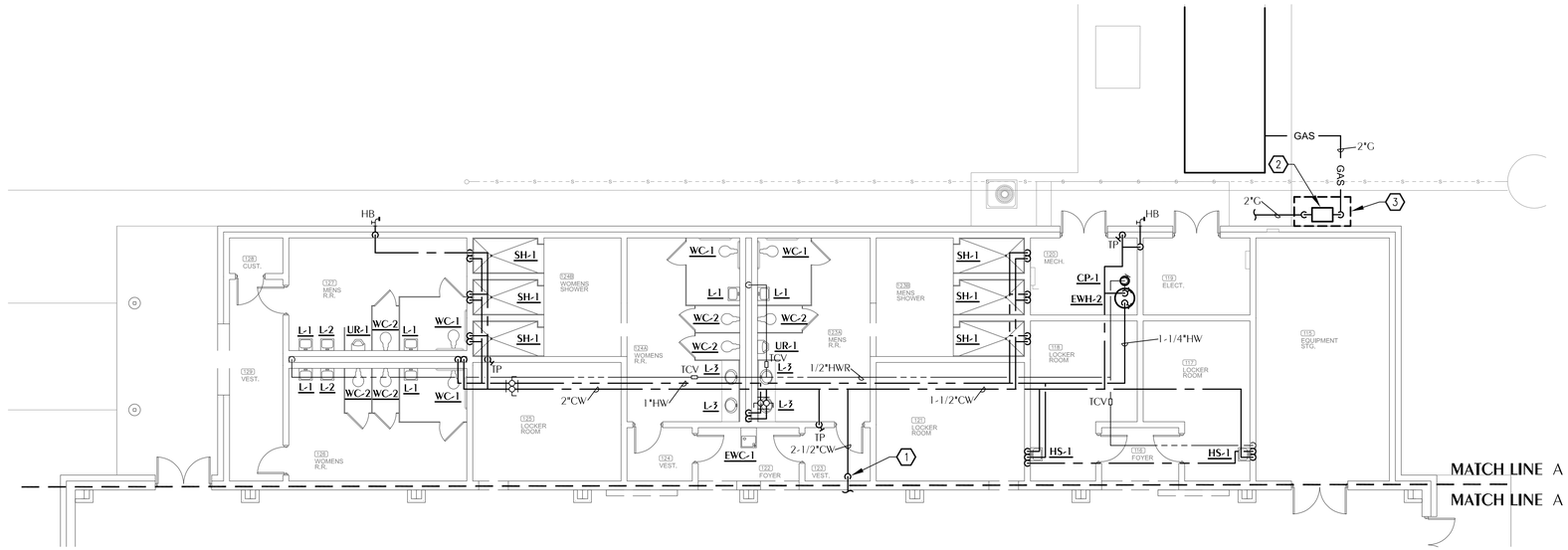
SHEET NOTES

1. RISE TO BOTTOM OF STRUCTURE AND RUN TIGHT TO STRUCTURE.
2. CONTRACTOR SHALL COORDINATE WITH LOCAL GAS AUTHORITY FOR THE INSTALLATION OF A NEW GAS METER AND SERVICE AND PAY ALL FEES AND COSTS IF ANY. OUTLET PRESSURE = 11"WC, CAPACITY = 3,420 CFH. VERIFY EXACT LOCATION, ORIENTATION, AND CONNECTION POINT PRIOR TO ROUGH-IN. COORDINATE FINAL CONNECTION SIZE WITH EQUIPMENT SUPPLIED.
3. PROVIDE HURRICANE IMPACT RATED LOUVERED PENTHOUSE ENCLOSURE.

GAS FIRED EQUIP. SCHEDULE

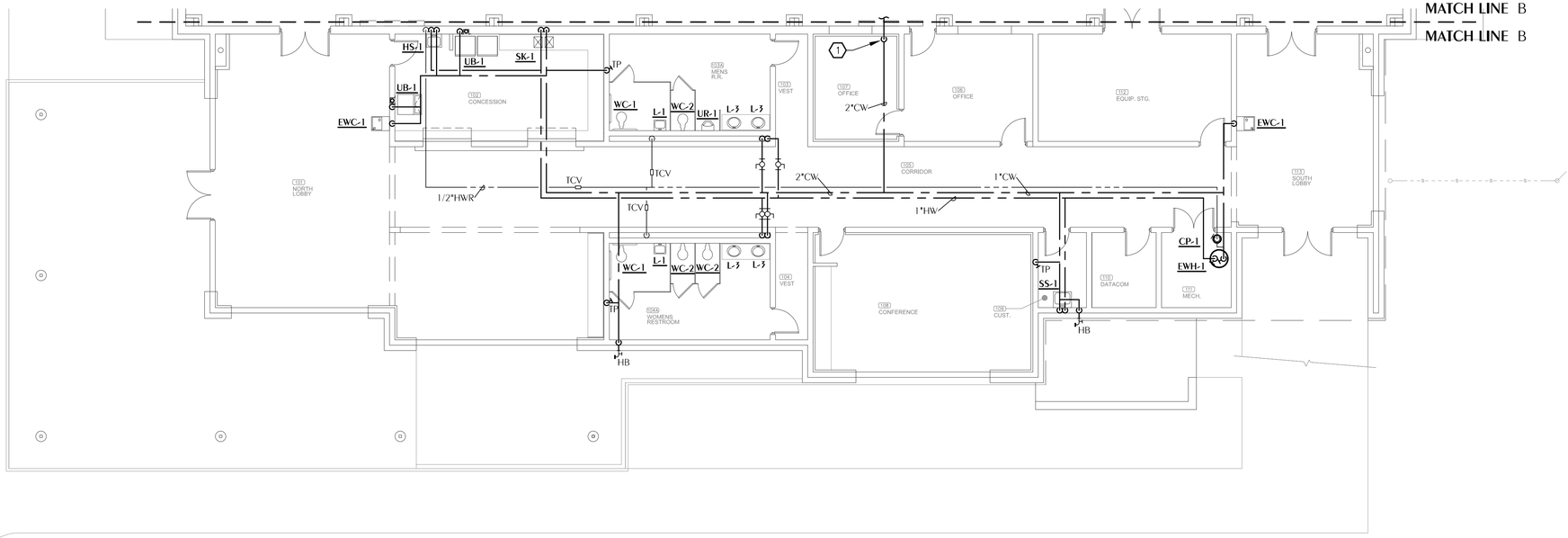
TAG	INPUT (BTUH)	CONNECTION SIZE	INLET PRESSURE RANGE
NATURAL GAS GENERATOR	3,420,000	1/2"	7" - 11" W.C.

NOTE: SIZES BASED ON A NATURAL GAS SYSTEM, INLET PRESSURE OF 11 PSI OR LESS, PRESSURE DROP OF 0.5" W.C., AND A SPECIFIC GRAVITY OF 1.50.



PLUMBING DOMESTIC WATER FLOOR PLAN - NORTH

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



PLUMBING DOMESTIC WATER FLOOR PLAN - SOUTH

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

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SHEET TITLE: PLUMBING DOMESTIC WATER FLOOR PLAN

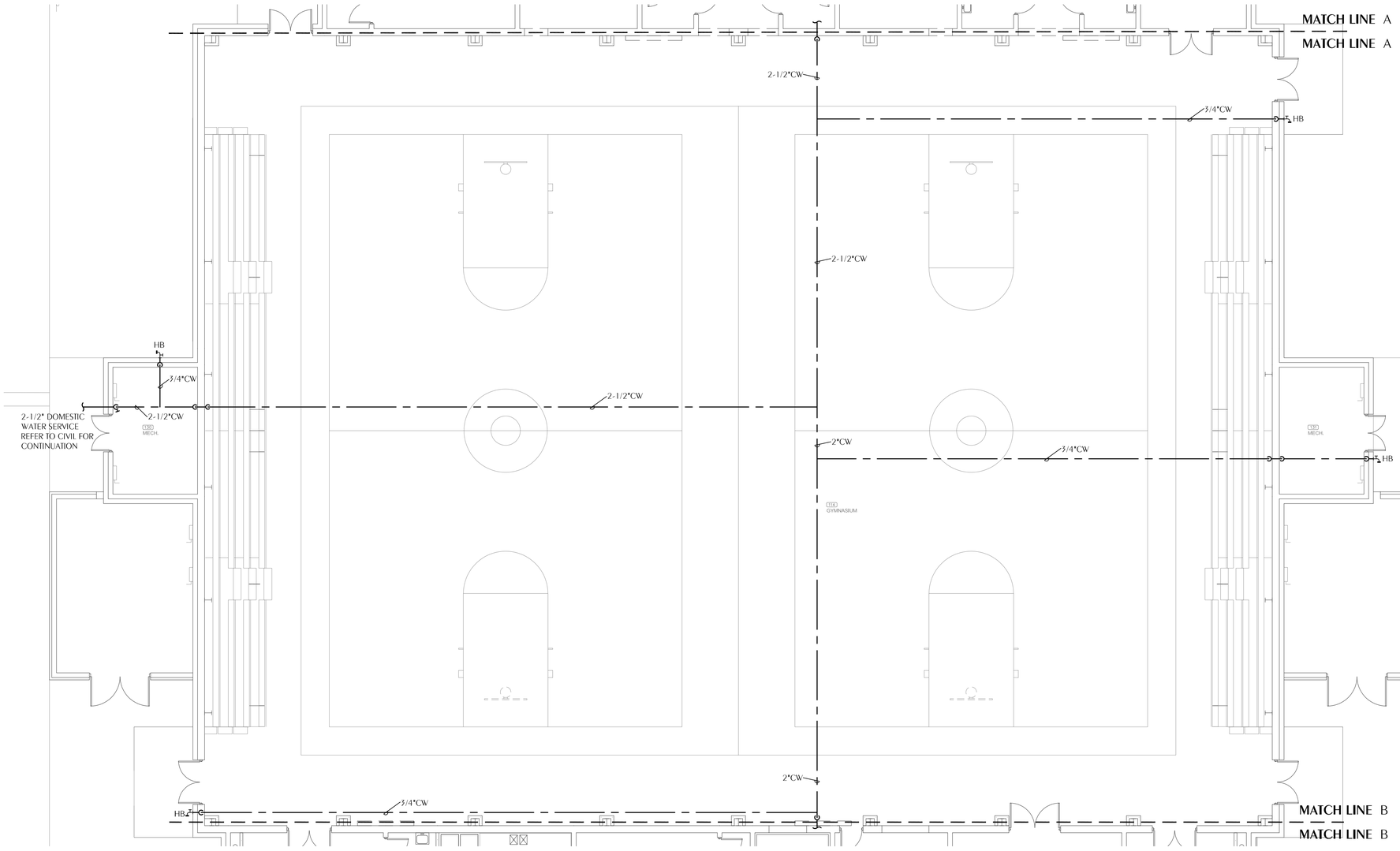
CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
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MARIANNA, FLORIDA

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SHEET No.
P-1.1

SHEET NOTES

1. RUN PIPING AS TIGHT TO ROOF OF STRUCTURE AS POSSIBLE IN ALL LOCATIONS.



N 1 P-1.2 **PLUMBING FLOOR PLAN - CENTER**

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

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SHEET TITLE: PLUMBING FLOOR PLAN

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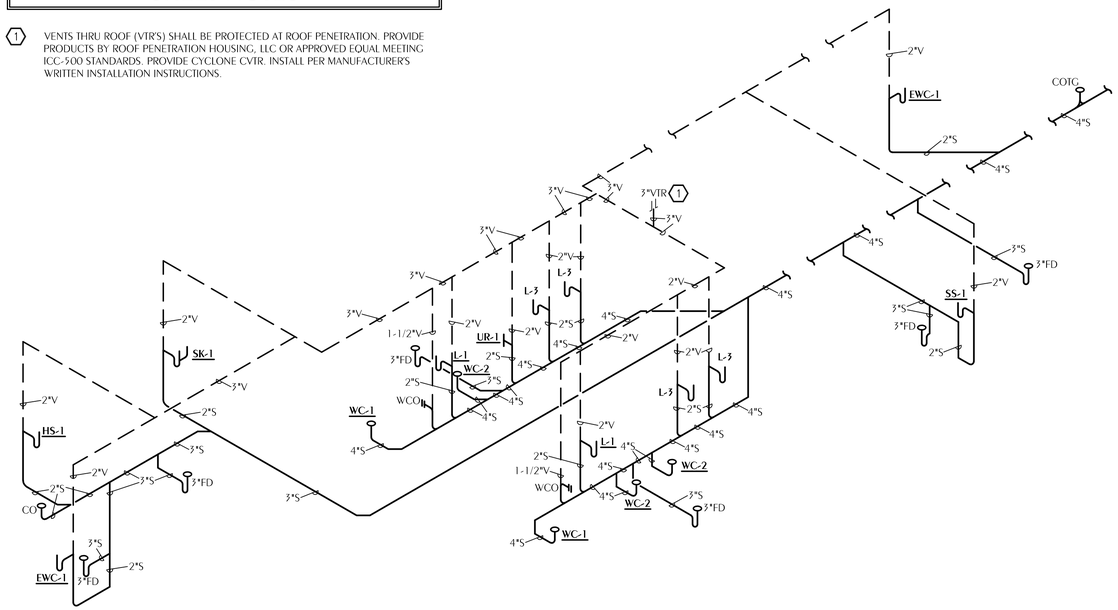
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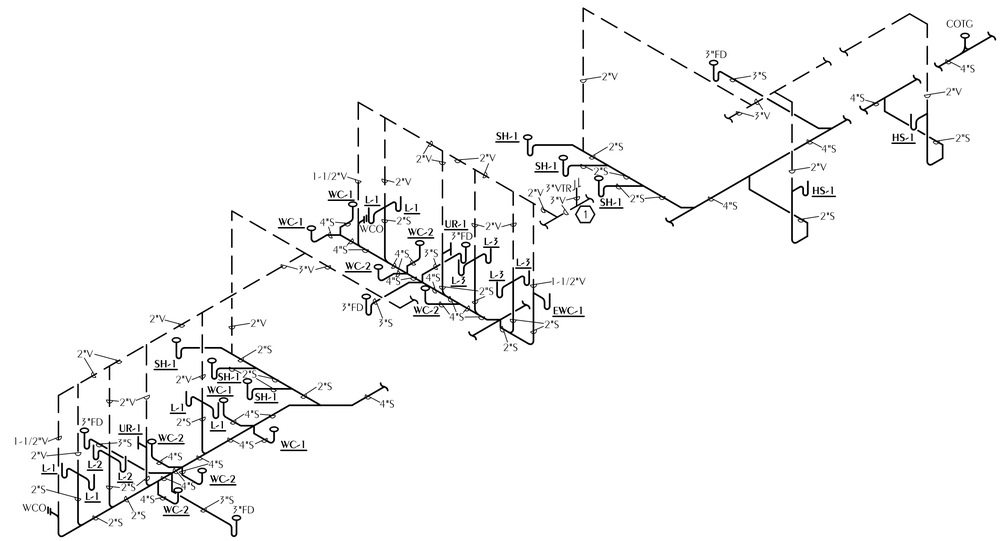
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SHEET NOTES

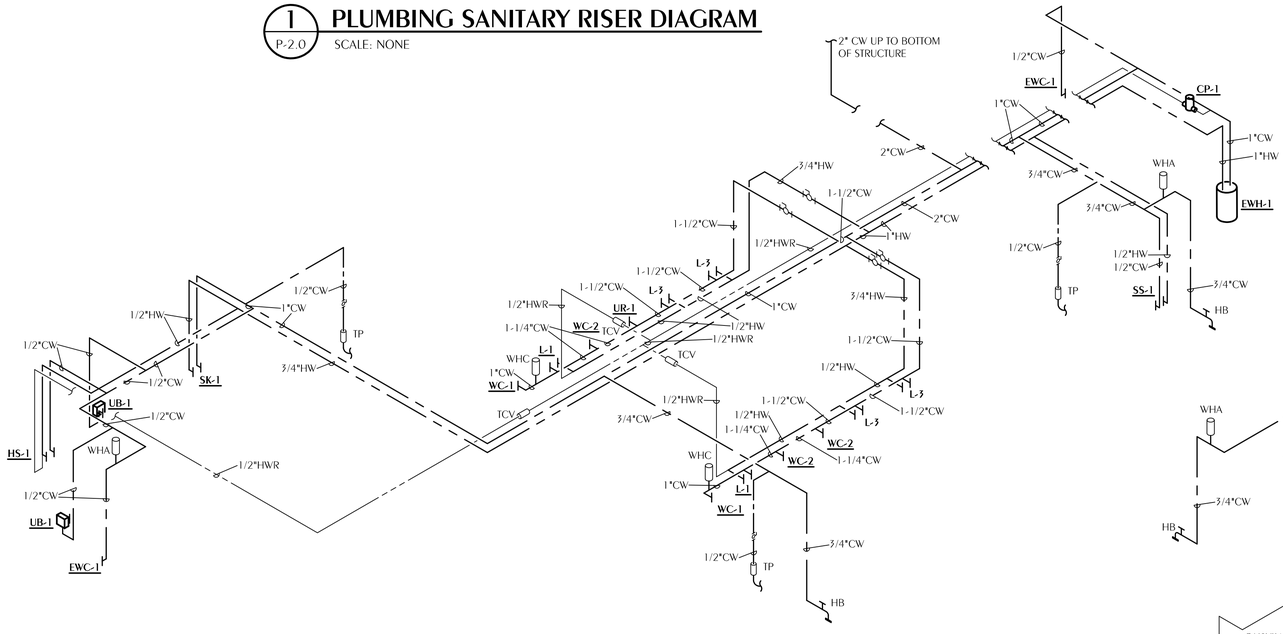
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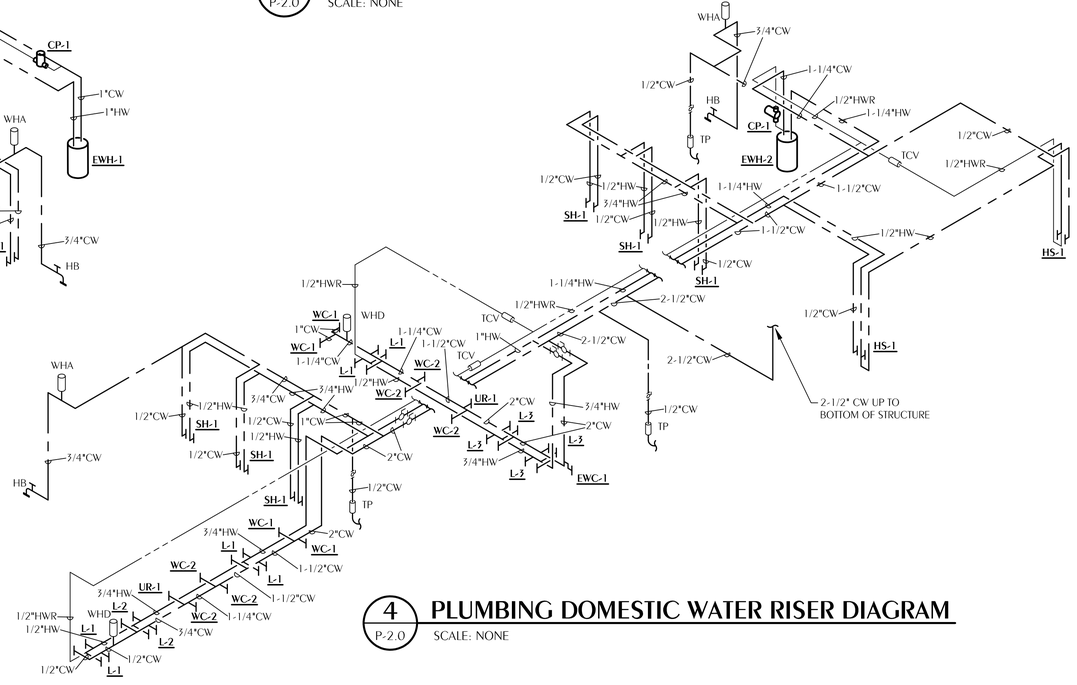
1 PLUMBING SANITARY RISER DIAGRAM
P-2.0 SCALE: NONE



2 PLUMBING SANITARY RISER DIAGRAM
P-2.0 SCALE: NONE



3 PLUMBING DOMESTIC WATER RISER DIAGRAM
P-2.0 SCALE: NONE



4 PLUMBING DOMESTIC WATER RISER DIAGRAM
P-2.0 SCALE: NONE

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SHEET TITLE: PLUMBING RISER DIAGRAMS

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FOR
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MARIANNA EDUCATION, REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

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SHEET No.
P-2.0

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LEGEND

AHU-1	EQUIPMENT TAG
1 / M3	DETAIL TAG (*1* INDICATES IDENTIFICATION NUMBER; *M3* INDICATES THE SHEET NUMBER DRAWN ON)
1	SHEET NOTE
	SUPPLY DUCT SECTION POSITIVE PRESSURE
	RETURN OR EXHAUST DUCT NEGATIVE PRESSURE
AxB	RECTANGULAR DUCT SIZE (*A* INDICATES SIDE SHOWN; *B* INDICATES SIDE NOT SHOWN)
	INDICATES RISE IN ELEVATION OF DUCT.
	EXTERNALLY INSULATED DUCTWORK
	DOUBLE WALL SPIRAL DUCTWORK
	INTERNALLY INSULATED DUCTWORK
	FABRIC DISPERSION DUCTWORK
	EXTERNALLY INSULATED ROUND FLEXIBLE DUCTWORK
	DUCT ELBOW WITH TURNING VANES
	RADIUSED DUCT ELBOW
	FLEXIBLE DUCT CONNECTION
M	MANUAL VOLUME BALANCING DAMPER
M / FD	MOTORIZED DAMPER
FD	FIRE DAMPER WITH ACCESS DOORS
SD	SMOKE DAMPER WITH ACCESS DOORS
BD	BACKDRAFT DAMPER
	TEE WITH TURNING VANES
	TRANSITION
	FLEX DUCT TAKE OFF WITH MVD SIZE EQUALS DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE
	LOW PROFILE RECTANGULAR TO ROUND SIDE TAKEOFF FITTING WITH MVD; CROWN MODEL 3300-DS OR EQUAL
	BRANCH DUCT TAKEOFF WITH MVD
CO	CLEANOUT
C	CONDENSATE DRAIN LINE
	REF = REFRIGERANT PIPE PAIR

	EXISTING DUCTWORK TO BE DEMOLISHED
18x16	EXISTING DUCTWORK TO REMAIN
SR-1 / 100	AIR DEVICE TAG. TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM
(2)SR-1 / 100	AIR DEVICE TAG. TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM (2) INDICATES TYPICAL OF TWO DEVICES
TYP	TYPICAL
TEMP	TEMPERATURE
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
MA	MIXED AIR
OA	OUTDOOR AIR
TA	TRANSFER AIR
EF	EXHAUST FAN
CD	CEILING DIFFUSER
RG	RETURN GRILLE
EG	EXHAUST GRILLE
ER	EXHAUST REGISTER
CEF	CEILING MOUNTED EXHAUST FAN
AHU	INDOOR AIR HANDLING UNIT
HP	OUTDOOR HEAT PUMP UNIT
MAU	MIXED AIR UNIT
CU	OUTDOOR CONDENSING UNIT-COOLING ONLY
T1	THERMOSTAT AND HUMIDISTAT, *1* INDICATES UNIT CONTROLLED
C	CO2 MONITORING STATION
S	DUCT MOUNTED SMOKE DETECTOR
FD	FLOOR DRAIN
UC	UNDERCUT DOOR ¾*
DG	DOOR GRILLE, REFER TO DOOR SCHEDULE
FD DG	22x22 FIRE RATED DOOR GRILLE WITH AUXILIARY FRAME
AFF	ABOVE FINISHED FLOOR
FD	FIRE DAMPER AT CEILING DIFFUSER OR GRILLE.
XFR	TRANSFER AIR
RLF	PRESSURE RELIEF
	TYPICAL 4 WAY THROW CEILING DIFFUSER
	CEILING DIFFUSER WITH THROW INDICATED
VRF	VARIABLE REFRIGERANT FLOW
E OR (E)	EXISTING
CC	DUCTLESS FCU-CEILING MOUNTED CASSETTE
CAH	DUCTED FCU-CONCEALED AIR HANDLING UNIT
WM	DUCTLESS FCU-WALL MOUNTED UNIT
DP	DEW POINT
	POINT OF CONNECTION TO EXISTING

GENERAL NOTES

1. ALL DUCT DIMENSIONS ARE NET INSIDE.
2. VERIFY COLLAR SIZES ON ALL AIR TERMINALS, EQUIPMENT OUTLETS AND INLETS, TRANSITION DUCTWORK AS NECESSARY. EXTERNALLY INSULATE TRANSITIONS AT EQUIPMENT CONNECTIONS.
3. FIELD VERIFY CLEAR SPACE AVAILABLE, ROUTING PATH, AND CONFLICTS WITH STRUCTURE AND THE WORK OF OTHER TRADES PRIOR TO FABRICATING DUCTWORK. PROVIDE OFFSETS IN DUCTWORK AS REQUIRED, WHETHER SPECIFICALLY INDICATED ON DRAWINGS OR NOT. SUBMIT SHOP DRAWINGS ON DUCTWORK LAYOUT PRIOR TO COMMENCING WORK. MAINTAIN CLEARANCE AROUND ALL LIGHT FIXTURES AS REQUIRED TO REMOVE AND SERVICE FIXTURES. COORDINATE WITH ROOF TRUSSES/STRUCTURE. PRESSURE TEST ALL DUCTWORK FOR LEAKS.
4. CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PIPING, AND DUCTWORK SUCH THAT MANUFACTURERS' RECOMMENDED CLEARANCES ARE MET FOR ALL ACCESS PANELS, MOTORS, FANS, BELTS, FILTERS AND AIR INTAKES. CONDENSATE LINES SHALL BE CLEAR OF FILTER RACK ACCESS.
5. PROVIDE DUCT FLEX CONNECTIONS & VIBRATION ISOLATION FOR ALL UNITS NOT INTERNALLY ISOLATED.
6. ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR INTAKE DUCTWORK SHALL BE GALVANIZED SHEET METAL UNLESS OTHERWISE NOTED.
7. ALL AHU FILTERS SHALL BE OF A READILY AVAILABLE SIZE, OF DISPOSABLE TYPE, AND BE ACCESSIBLE WITHOUT THE USE OF SCREWS OR OTHER MECHANICAL DEVICES REQUIRING TOOLS.
8. PROVIDE ACCESS PANELS IN CEILINGS AS REQUIRED FOR MAINTENANCE AND ADJUSTMENT OF EQUIPMENT LOCATED ABOVE CEILING.
9. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATION OF ALL EQUIPMENT AND UTILITIES.
10. ALL WORK SHALL COMPLY WITH THE EIGHTH EDITION (2023) FLORIDA BUILDING CODE AND 2020 EDITION OF ICC 500.
11. COORDINATE LOCATION OF ALL CEILING MOUNTED EQUIPMENT WITH ARCHITECT'S REFLECTED CEILING PLAN.
12. SLOPE ALL CONDENSATE DRAIN PIPING AT 1/8* PER FOOT.
13. THIS PROJECT SHALL INCLUDE COMMISSIONING OF THE HVAC, CONTROLS, AND RELATED ELECTRICAL SYSTEMS. THE SERVICES OF THE COMMISSIONING AUTHORITY ARE PROVIDED UNDER SEPARATE CONTRACT. UNDER THIS CONTRACT, THE PRIME CONTRACTOR, SUBCONTRACTORS, AND EQUIPMENT MANUFACTURERS SHALL PROVIDE LABOR AND MATERIAL AS REQUIRED TO ASSIST AND PARTICIPATE IN THE COMMISSIONING PROCESS FOR THE SCOPE OF THE WORK AS DESCRIBED IN SECTION 230800 OF THE PROJECT SPECIFICATIONS.
14. SEAL AND PROTECT ALL WORK IN PROGRESS DURING CONSTRUCTION SUCH AS DUCT AND PIPING TO PREVENT ACCUMULATION OF CONSTRUCTION DEBRIS.

DUCTWORK NOTES

1. ALL ROUND FLEXIBLE DUCT SHALL BE FLEXMASTER TYPE 8M ACOUSTICAL FLEX OR ENGINEER APPROVED EQUAL. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT RUNOUT SHALL BE 5'-0*. WHERE LENGTH REQUIRED EXCEEDS 5'-0*, INSTALL EXTERNALLY INSULATED ROUND SNAPLOCK DUCT FOR BALANCE OF DISTANCE TO SPIN-IN TAP AT MAIN DUCT TRUNK.
2. SEAL ALL DUCT PENETRATIONS OF WALLS AIRTIGHT, REGARDLESS OF WHETHER WALLS ARE FIRE RATED OR NOT.
3. ALL SUPPLY AIR DUCTWORK FROM AHU'S (EXCEPT TAKEOFFS TO SUPPLY AIR DIFFUSERS) SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2* W.G., SEAL CLASS A; EXTERNALLY INSULATED UNLESS OTHERWISE INDICATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
4. ALL RETURN AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2* W.G., SEAL CLASS A, EXTERNALLY INSULATED UNLESS OTHERWISE INDICATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
5. ALL OUTSIDE AIR INTAKE DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2* W.G., SEAL CLASS A, EXTERNALLY INSULATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
6. STANDARD EXHAUST AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 1/2* W.G., SEAL CLASS A.
7. WHEN ROUTING DUCTWORK OVER LIGHTS, PROVIDE A MINIMUM 6* CLEARANCE BETWEEN DUCT AND LIGHTS.
8. EXTERNALLY INSULATE DUCTWORK WITH 2* THICK FLEXIBLE FIBERGLASS INSULATION.

AIR DEVICE SCHEDULE

MARK	MAX AIRFLOW CFM	AIR DEVICE SIZE	DUCT CONNECTION SIZE	TITUS MODEL
CD-1 / CFM	80	9x9	6Ø	TDC
CD-2 / CFM	245	12x12	8Ø	TDC
CD-3 / CFM	350	12x12	10Ø	TDC
SWG-1 / CFM	650	24x8	24x8	S-DL
RG,EG,SG,TG,RR,ER				
xx-1 / CFM	450	12x12	12x12	350FL
xx-2 / CFM	1705	22x22	22x22	350FL
xx-3 / CFM	3600	48x36	48x36	33RL

NOTES:
1. MAX NC=20
2. PROVIDE 2x2 LAY IN PANEL FOR AIR DEVICES IN LAY IN CEILINGS.
3. PROVIDE BEVELED MOUNTING FRAME FOR CEILING DIFFUSERS IN HARD CEILINGS.
4. PROVIDE FLAT MOUNTING FRAME FOR GRILLES LOCATED IN HARD CEILINGS.

SEQUENCE OF OPERATION

GENERAL: PROVIDE A PROGRAMMABLE THERMOSTAT WITH BACNET CAPABILITY, HUMIDITY CONTROL, OCCUPIED/UNOCCUPIED SETPOINTS, AND SCHEDULE FUNCTIONS. ACTIVATION OF SMOKE DETECTOR SHALL SHUT OFF UNIT.

AHUS AND MAUS:

OCCUPIED MODE: THE MOTORIZED OUTSIDE AIR DAMPER SHALL OPEN TO THE BALANCED POSITION (MIN) AND THE INDOOR FAN SHALL RUN CONTINUOUSLY. THE CONDENSING UNIT SHALL CYCLE TO MAINTAIN SPACE TEMPERATURE. THE SETPOINT FOR COOLING SHALL BE 75° F ADJUSTABLE. THE ELECTRIC HEAT SHALL MODULATE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE DURING HEATING. THE ELECTRIC HEAT SHALL BE LOCKED OUT DURING COOLING. THE SETPOINT FOR HEATING SHALL BE 70° F ADJUSTABLE.

UNOCCUPIED MODE: THE MOTORIZED OA DAMPER SHALL CLOSE. THE INDOOR FAN AND CONDENSING UNIT OR ELECTRIC HEAT SHALL CYCLE TO MAINTAIN SETPOINT TEMPERATURE. THE SETPOINT FOR COOLING SHALL BE 80° F ADJUSTABLE. THE SETPOINT FOR HEATING SHALL BE 60°F ADJUSTABLE.

OVERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE.

HUMIDITY CONTROL: UPON A RISE IN SPACE RELATIVE HUMIDITY ABOVE SETPOINT AND NO CALL FOR COOLING, THE UNIT CONTROLLER SHALL PLACE THE CONDENSING UNIT IN COOLING MODE AND UTILIZE THE HOT GAS REHEAT TO DEHUMIDIFY AND REHEAT SUPPLY AIR TO NEUTRAL CONDITIONS UNTIL THE CALL FOR DEHUMIDIFICATION HAS BEEN SATISFIED.

GRAY SKY DAYS: MOTORIZED DAMPERS FOR LVR-4 AND LVR-5 SHALL BE NORMALLY CLOSED AND SHALL BE INTERLOCKED WITH A COVERED SWITCH LOCATED IN ROOM 106 OFFICE. SIGN SHALL BE PLACED ADJACENT TO SWITCH STATING: "SHELTER MANAGER SHALL ACTIVATE TO PROVIDE NATURAL VENTILATION DURING USE AS A SHELTER." UPON ACTIVATION OF SWITCH, MOTORIZED DAMPERS SHALL OPEN. THESE MOTORIZED DAMPERS SHALL BE CONNECTED TO EMERGENCY POWER.

VENTILATION SCHEDULE

SPACE TYPE	VENTILATION CFM/S.F.	VENTILATION CFM/PERSON
CORRIDOR	0.06	0
STORAGE	0.06	0
OFFICE	0.06	5
MULTIPURPOSE ASSEMBLY	0.06	7.5
SPORTS LOCKER ROOM	0.50	0
RESTROOM-INTERMITTENT	0	70/FIXTURE
RESTROOM-CONTINUOUS	0	50/FIXTURE
SHOWER-CONTINUOUS	0	20/FIXTURE
JANITORS CLOSETS	1	0
GYM	20	0.18

NOTE:
VENTILATION RATES IN COMPLIANCE WITH ASHRAE STANDARD 62.1-2019.

LOUVER SCHEDULE

MARK	AIRFLOW CFM (MAX)	LOUVER SIZE (WxH) INCHES	FREE AREA FT² (MIN)	RUSKIN MODEL	NOTES
LVR-1 / CFM	630	24x18	1.22	EME3625MD + XP500	1,2,3,4,5
LVR-2 / CFM	215	18x12	0.46	EME3625MD + XP500	1,2,3,4,5
LVR-3 / CFM	1500	36x18	1.92	EME3625MD + XP500	1,2,3,4,5
LVR-4 / CFM	2875	60x30	5.75	EME3625MD + XP500	1,2,3,4,5
LVR-5 / CFM	4500	64x32	6.79	EME3625MD + XP500	1,2,3,4,5
LVR-6 / CFM	13000	96x72	24.94	XP500	1,3
LVR-7 / CFM	1500	48x16	2.23	EME3625MD + XP500	1,2,3,4,5
LVR-8 / CFM	150	16x16	0.63	EME3625MD + XP500	1,2,3,4,5

NOTES:
1. FINISH TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.
2. PROVIDE LOUVER WITH FLORIDA PRODUCT APPROVAL, LISTED FOR COMPLIANCE WITH AMCA 540 AND AMCA 550.
3. PROVIDE LOUVER IN ACCORDANCE WITH ICC 500.
4. PROVIDE EME3625MD LOUVER IN FRONT OF XP500 LOUVER IN COMMON 10 GAUGE SLEEVE.
5. REFER TO STRUCTURAL DRAWINGS FOR INSTALLATION DETAILS.

AIR PURIFICATION EQUIPMENT SCHEDULE

ZONE	SUPPLY CFM	OA CFM	PRESS. IN. W.C.	BASIS OF DESIGN	MODEL	QUANTITY	ELECTRICAL VOLTS/PHASE	ELECTRICAL WATTS	NOTES
AHU-1	1190	120	<0.01	GPS	DM-2	1	24V AC	11	1,2,3,4,5
AHU-2	1885	170	<0.01	GPS	DM-2	1	24V AC	11	1,2,3,4,5
AHU-3	1840	200	<0.01	GPS	DM-2	1	24V AC	11	1,2,3,4,5

1. PROVIDE BASIS OF DESIGN OR EQUAL BY GLOBAL PLASMA OR ACTIVE AIR SOLUTIONS.
2. BI-POLAR IONIZATION SYSTEMS REQUIRING PERISHABLE CLASS TUBES ARE NOT ACCEPTABLE.
3. MANUFACTURER MUST PASS UL-867-2007 OZONE CHAMBER TESTING BY EITHER UL OR ETL.
4. ELECTRICAL INPUT SHALL BE FROM FAN CONTROL TERMINALS.
5. UNIT SHALL BE MOUNTED IN SUPPLY AIR DUCT.

FAN SCHEDULE

UNIT	TYPE	CFM	MAX. FAN RPM	ESP (IN. H20)	MAX. MOTOR POWER	SONES/dB (MAX.)	BASIS OF DESIGN	MODEL	CONTROL	ELECTRICAL VOLTS/PHASE	NOTES
EF-1	INLINE	1180	1140	0.26	0.18 BHP	7.4	GREENHECK	SQ-130	INTERLOCK WITH OA DAMPER	208/3	1,2,3,4,5,7
EF-2	INLINE	350	1750	0.3	0.04 BHP	7.2	GREENHECK	SQ-7-M1	INTERLOCK WITH OA DAMPER	208/3	1,2,3,4,5,7

1. PROVIDE DISCONNECT
2. PROVIDE SOLID STATE SPEED CONTROLLER.
3. PROVIDE BACK DRAFT DAMPER
4. PROVIDE THERMAL OVERLOAD
5. PROVIDE DIRECT DRIVE FAN
6. PROVIDE WHITE FINISH ALUMINUM GRILLE
7. PROVIDE VIBRATION ISOLATION HANGERS.

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SEPTEMBER 4TH, 2025

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SHEET TITLE: HVAC LEGEND, SCHEDULES, AND NOTES

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: YOJ
CHECKED BY: KAJ

SHEET No.
M-0.1

SPLIT SYSTEM HEAT PUMP SCHEDULE

UNIT AHU/HP	BASIS OF DESIGN	MODEL (AHU/HP)	SA (CFM)	OA (CFM)	ESP (IN.H20)	FAN (HP)	COOLING					HEATING				SUPPL.	AHU ELECTRICAL				HP ELECTRICAL			NOTES
							MAT° (DB/WB)	OAT° (DB/WB)	TOTAL (BTUH)	SENSIBLE (BTUH)	SEER2	MAT ° (DB)	OAT ° (DB)	TOTAL (BTUH)	HSPF2	HEAT (KW)	VOLTS/PHASE	MCA	MOP	VOLTS/PHASE	MCA	MOP	
1	TRANE	5TEM6D04AV31/5TWA4036A3	1210	115	0.80	1/8 HP	74.5/62.6	95.0/78.0	32900	26600	15.2	60.0	25.0	16900	8.1	3.6	208/1	30.0	30.0	208/3	16.6	25.0	1,2,3,4,5,6,7,8,9,10
2	TRANE	5TEM6D06AV41/5TWA4060A3	1885	170	0.44	1/3 HP	74.1/61.9	95.0/78.0	47400	40600	14.3	60.0	25.0	27600	8.0	5.6	208/1	33.0	35.0	208/3	22.8	35.0	1,2,3,4,5,6,7,8,9,10
3	TRANE	5TEM4D06AC41/5TWA4060A3	1840	200	0.90	1/3 HP	74.7/62.6	95.0/78.0	49000	40300	14.3	60.0	25.0	25300	8.0	6.2	208/1	32.0	35.0	208/3	22.8	35.0	1,2,3,4,5,6,7,8,9,10

1. PROVIDE 2 " 30% FILTERS AND FILTER HOUSING SHOWN IN DETAILS.
2. EFFICIENCIES IN ACCORDANCE WITH ARI STANDARD 210/240.
3. ESP DOES NOT INCLUDE FILTER, CASING, ETC.
4. PROVIDE CONTROL KIT TO INCLUDE BLOWER CONTACTOR OR STARTER, TRANSFORMER, ELECTRIC HEATER INTLERLOCKS, ELECTRICAL SERVICE SHALL BE A SINGLE POINT OF CONNECTION.
5. PROVIDE THERMAL EXPANSION VALVES.
6. DIRECT DRIVE AHU FAN.
7. COOLING CAPACITY IS NET AND DOES NOT INCLUDE FAN HEAT.
8. PROVIDE UNIT MOUNTED CIRCUIT BREAKER FOR INDOOR AIR HANDLERS.
9. PROVIDE BASIS OF DESIGN OR EQUAL BY LENNOX OR CARRIER.
10. PROVIDE UNITS WITH EPA APPROVED REFRIGERANT AND FACTORY INSTALLED REFRIGERANT MONITORING SYSTEM

MIXED AIR UNIT SCHEDULE

UNIT MAU	BASIS OF DESIGN	MAU MODEL	CONFIGURATION	TOTAL AIRFLOW (CFM)	OA (CFM)	ESP (IN. WC.)	FAN POWER (HP)	DEHUMIDIFICATION					HEATING		MAU ELECTRICAL			NOTES
								EAT° (DB/WB)	LAT° (DP)	TOTAL (BTUH)	SENSIBLE (BTUH)	ISMRE	EAT (DB)	kW	VOLTS/PHASE	MCA	MOP	
1	TRANE	OADG015C1	PACKAGED	5030	1430	0.5	3	76.8/65.0	52.4	179900	130300	2.83	25	48	208/3	181.1	200	1,2,3,4,5,6,7
2	TRANE	OADG015C1	PACKAGED	5030	1430	0.5	3	76.8/65.0	52.4	179900	130400	2.84	25	48	208/3	181.1	200	1,2,3,4,5,6,7

1. DIRECT DRIVE FAN WITH ECM MOTOR
2. REFER TO CONDENSING UNIT SCHEDULE FOR EFFICIENCIES
3. ESP DOES NOT INCLUDE FILTER, CASING, ETC.
4. PROVIDE 100% OUTSIDE AIR DEHUMIDIFICATION UNIT WITH HOT GAS REHEAT.
5. PROVIDE MOTORIZED OA DAMPER
6. PROVIDE COATED INDOOR COILS, NON FUSED DISCONNECT, PHASE FAILURE MONITOR, DIRTY FILTER SWITCH, OUTSIDE AIR TEMPERATURE SENSOR, DISCHARGE AIR TEMPERATURE SENSOR AND LEAVING COIL TEMPERATURE SENSOR.
7. OUTSIDE AIR INTAKE SHALL BE A MINIMUM 24" ABOVE ADJOINING GRADE

MINI SPLIT SYSTEM AIR HANDLING UNIT SCHEDULE

UNIT	BASIS OF DESIGN	MODEL	TYPE	NOMINAL COOL CAPACITY (BTUH)	RATED COOLING EAT °F DB/WB	DESIGN COOLING CAPACITY (BTUH)		NOMINAL HEAT CAPACITY (BTUH)	DESIGN HEATING TOTAL CAPACITY (BTUH)	DESIGN HEATING EAT °F DB	AIRFLOW (CFM)	VOLTS/PHASE	FAN (WATTS)	FAN FLA (AMPS)	NOTES
						COOLING TOTAL	COOLING SENSIBLE								
WM-1.1	MITSUBISHI	PKA-A18LA1	WALL MOUNT	18000	80/67	18000	18000	19000	22000	70	320	FED FROM MHP	30	0.19	1,2,3

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB)
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 47°(DB)
3. PROVIDE HARD WIRED REMOTE THERMOSTAT

MINI SPLIT SYSTEM HEAT PUMP SCHEDULE

UNIT	BASIS OF DESIGN	MODEL	NOMINAL COOL CAPACITY (BTUH)	DESIGN COOLING OUTDOOR TEMP DB	SEER2	NOMINAL HEAT CAPACITY (BTUH)	DESIGN HEATING OUTDOOR TEMP DB	HSPF2	VOLTS/PHASE	MCA (AMPS)	MOP (AMPS)	NOTES
MHP-1	MITSUBISHI	PUZ-A18NKA7	18000	95.0	20.2	19000	25.0	9.2	208/1	11.0	28.0	1,2,3

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80/67°F (DB/WB), OUTDOOR OF 95°F (DB)
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F (DB), OUTDOOR OF 43°(WB)
3. EFFICIENCY VALUES FOR EER, IEER, AND COP ARE BASED ON AHRI 1230 TEST METHOD FOR MIXTURE OF DUCTED AND NON-DUCTED INDOOR UNITS.

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SHEET TITLE: HVAC SCHEDULES

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION, REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

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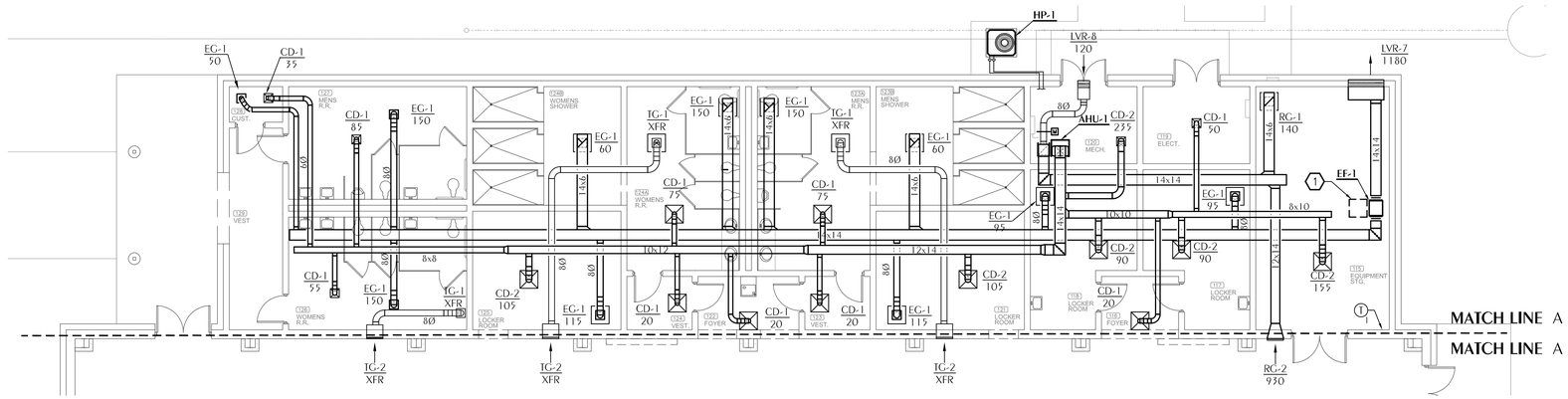
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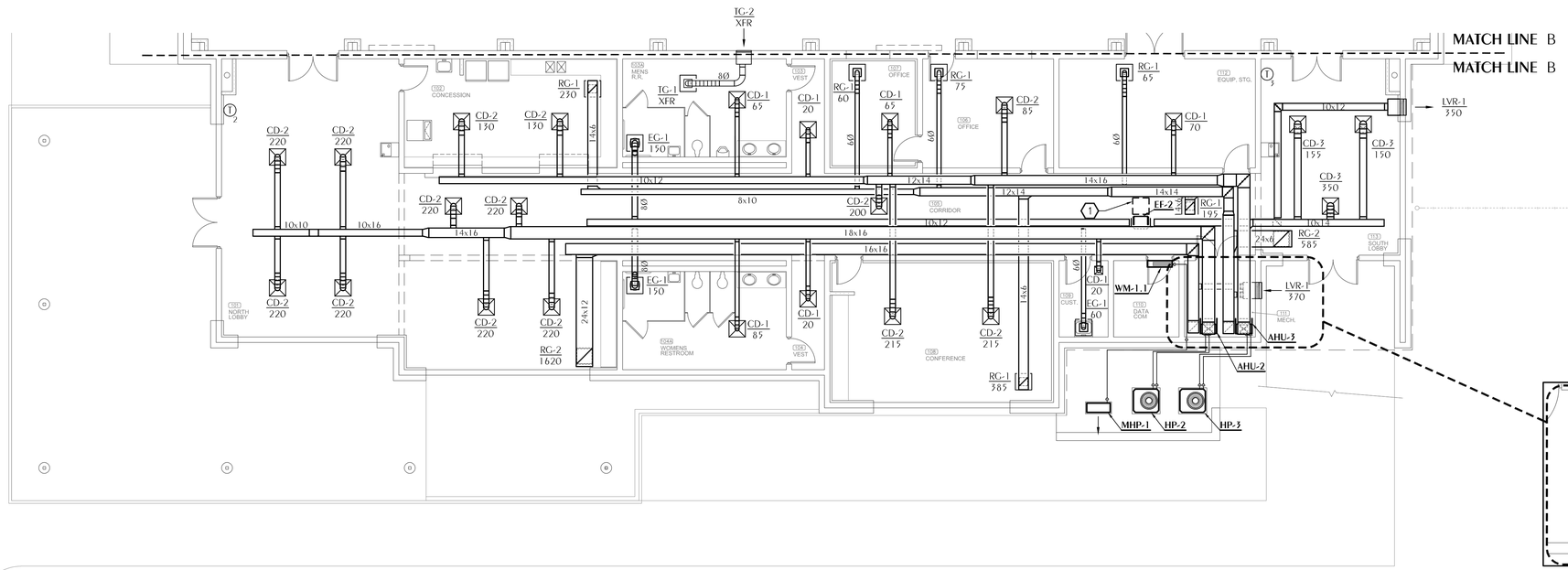
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1. PROVIDE 24X24 ACCESS DOOR. COORDINATE WITH LIGHTING AND EQUIPMENT ACCESS REQUIREMENTS. MILCOR M OR APPROVED EQUAL.



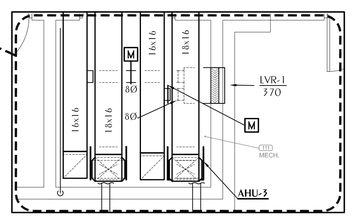
1 / M-1.0 — HVAC FLOOR PLAN - NORTH

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



2 / M-1.0 — HVAC FLOOR PLAN - SOUTH

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



3 / M-1.0 — HVAC FLOOR PLAN - 111 MECH.

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

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SHEET TITLE: HVAC FLOOR PLAN

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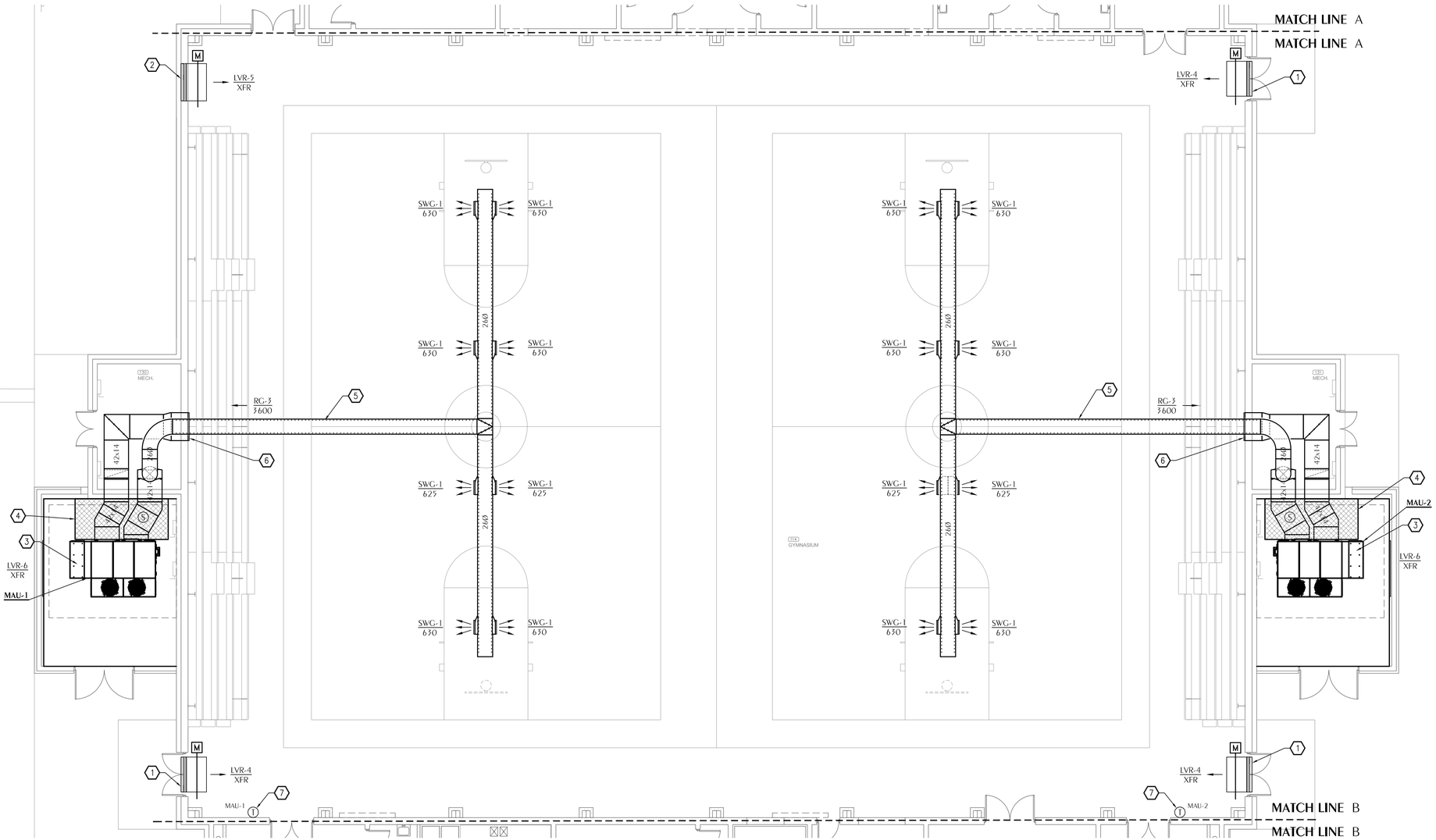
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SHEET NOTES

1. BOTTOM OF LOUVER AT HEIGHT OF 20'-6" AFF.
2. BOTTOM OF LOUVER AT HEIGHT OF 1'-8" AFF.
3. ROUTE CONDENSATE TO WALL OF MECHANICAL YARD AND DISCHARGE INTO DRAINAGE SLEEVE.
4. PROVIDE EXPANDED METAL STEP/GUARD WITH ANGLE IRON FRAME FOR SERVICE ACCESS ACROSS DUCT. SIZE SHALL BE 4' WIDE AND COVER DUCTWORK TO BUILDING WALL.
5. ALL DUCTWORK IN THE GYM SHALL BE PAINT GRIP GALVANIZED STEEL, DOUBLE WALL SPIRAL. DUCT SHALL BE PAINTED. COLOR SHALL BE SELECTED BY ARCHITECT.
6. PROVIDE TRIM RING AS DUCT PENETRATES WALL INTO GYM.
7. PROVIDE CAGE AROUND THERMOSTAT. PAINT BACK TO MATCH WALL.



N 1 M-1.1 **HVAC FLOOR PLAN - CENTER**

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

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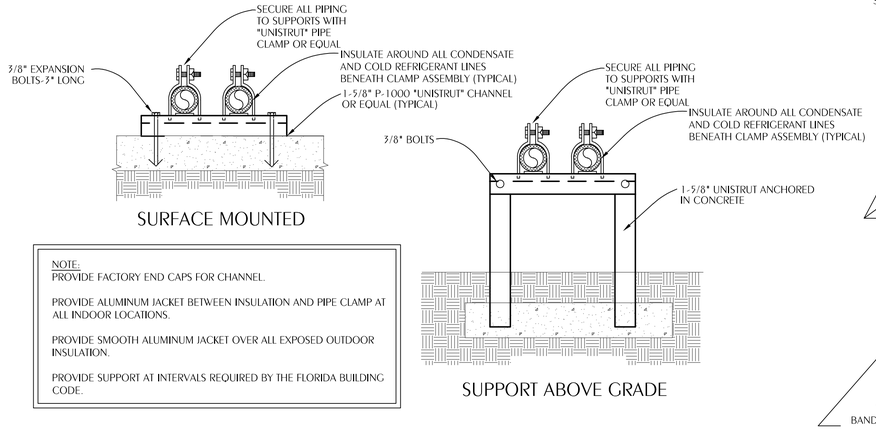
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FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: YOJ
CHECKED BY: KAJ

SHEET No.
M-1.1

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Florida CA Number: 27925
Keith A. Johnson, PE
Florida License Number: 86457
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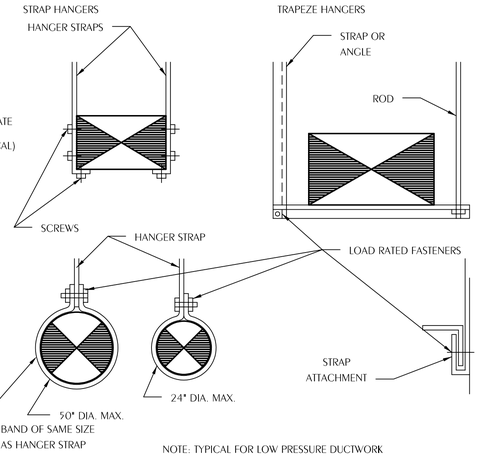
NOTE:
PROVIDE FACTORY END CAPS FOR CHANNEL.

PROVIDE ALUMINUM JACKET BETWEEN INSULATION AND PIPE CLAMP AT ALL INDOOR LOCATIONS.

PROVIDE SMOOTH ALUMINUM JACKET OVER ALL EXPOSED OUTDOOR INSULATION.

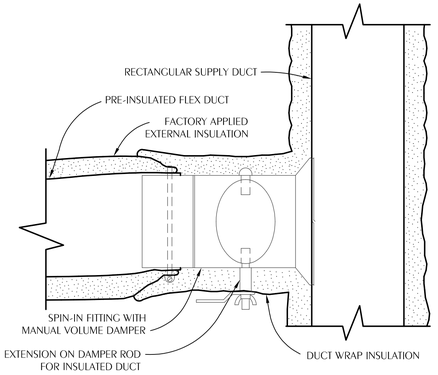
PROVIDE SUPPORT AT INTERVALS REQUIRED BY THE FLORIDA BUILDING CODE.

1 TYPICAL EXTERIOR PIPING SUPPORT DETAIL
M-2.0 SCALE: NONE



NOTE: TYPICAL FOR LOW PRESSURE DUCTWORK

2 DUCT HANGER DETAILS
M-2.0 SCALE: NONE

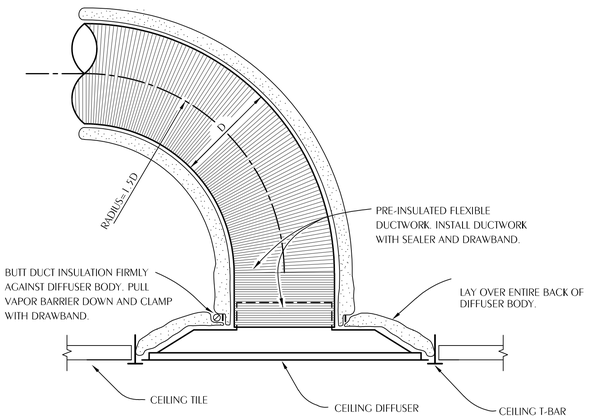


NOTES:
CONNECT FLEXIBLE DUCT TO FITTING WITH DRAWBAND AND SEALER.

ROUND HARD DUCT RUNOUTS SHOULD START WITH SPIN-IN FITTINGS SIMILAR TO THIS DETAIL.

PROVIDE CABLE ACTIVATED DAMPER WITH ADJUSTMENT IN FACE OF CEILING DIFFUSER.

3 TYPICAL FLEX DUCT TAKEOFF DETAIL
M-2.0 SCALE: NONE

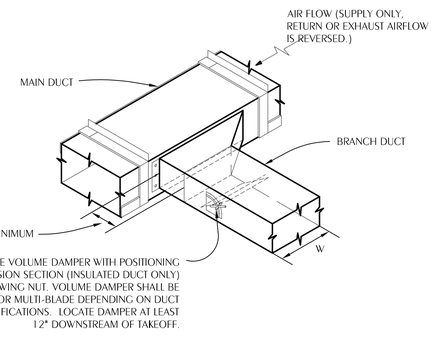


NOTES:
FLEX DUCT SHALL BE NO LONGER THAN 5'-0".

PROVIDE 24x24 LAY IN PANEL FOR DIFFUSERS IN LAY IN CEILINGS.

PROVIDE BEVELED MOUNTING FRAME FOR DIFFUSERS IN HARD CEILINGS.

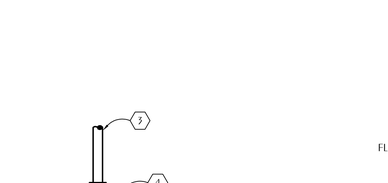
4 TYPICAL FLEX DUCT TAKEOFF DETAIL
M-2.0 SCALE: NONE



NOTES:
PROVIDE CABLE ACTIVATED DAMPER WITH ADJUSTMENT IN FACE OF AIR DEVICE FOR INACCESSIBLE TAKEOFFS LOCATED ABOVE HARD CEILINGS.

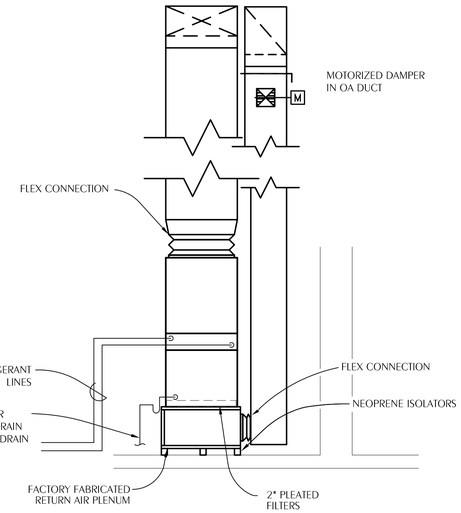
FLEXIBLE INSULATION SHALL BE 2" THICK, ASTM C553, TYPE 1, CLASS B-3 WITH 1 PCF DENSITY AND UL RATED ALUMINUM FOIL VAPOR BARRIER (FSK)

5 TYPICAL BRANCH DUCT TAKEOFF
M-2.0 SCALE: NONE



1. INSULATION
2. PIPE COVERING PROTECTION SADDLE
3. HANGER ROD FASTEN TO STRUCTURE PER SPECIFICATION
4. CLEVIS TYPE HANGER

6 OVERHEAD PIPE SUPPORT
M-2.0 SCALE: NONE

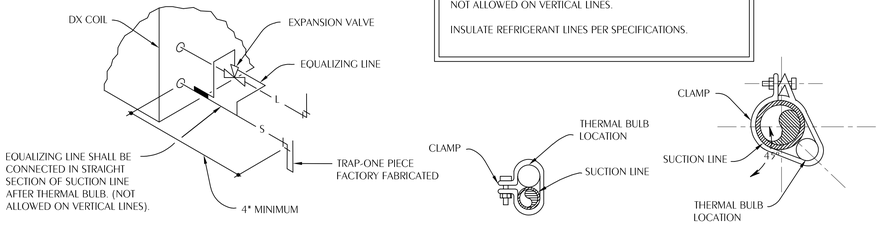


NOTES:
SECURE REFRIGERANT LINES AND CONDENSATE PIPING WITH UNISTRUT.

PROVIDE FACTORY FABRICATED RETURN AIR PLENUM OR ENGINEER APPROVED EQUAL.

SIZE COPPER CONDENSATE LINE AT FULL SIZE OF UNIT CONNECTION, BUT IN NO CASE SMALLER THAN 3/4".

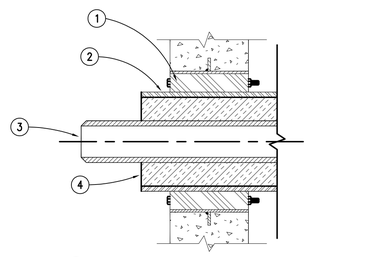
7 VERTICAL UPFLOW AHU DETAIL
M-2.0 SCALE: NONE



NOTES:
THERMOSTATIC BULB TO BE AS CLOSE TO COIL AS POSSIBLE NOT ALLOWED ON VERTICAL LINES.

INSULATE REFRIGERANT LINES PER SPECIFICATIONS.

8 REFRIGERANT COIL CONNECTION DETAIL
M-2.0 SCALE: NONE



1. WALL OR FLOOR SEAL APPURTENANCES PER SPECIFICATIONS
2. PIPE SLEEVE PER SPECIFICATIONS
3. PIPING
4. INSULATION

9 TYPICAL WALL PIPE PENETRATION
M-2.0 SCALE: NONE

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SHEET TITLE: HVAC DETAILS

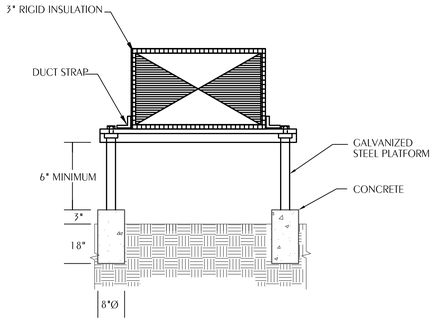
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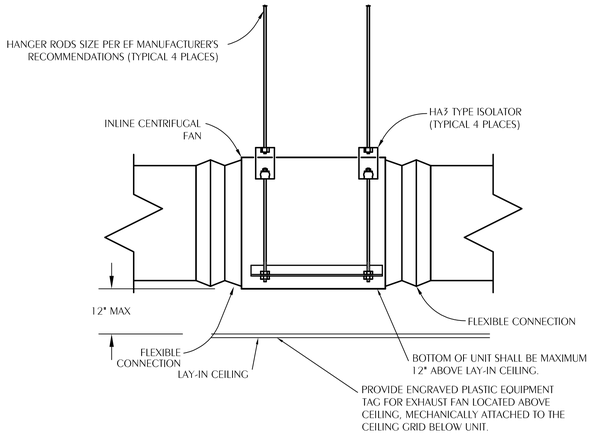


NOTE:
PROVIDE SUPPORT AT INTERVALS REQUIRED BY THE FLORIDA BUILDING CODE.

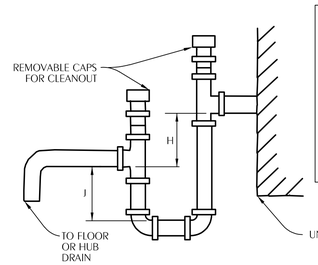
PROVIDE HOT-DIPPED GALVANIZED STEEL FASTENERS, ANCHORS, RODS, STRAPS, TRIM, AND ANGLES FOR SUPPORT OF DUCTWORK.

PROVIDE 3" THICK RIGID INSULATION FOR DUCT. INSULATION SHALL BE ASTM C612, CLASS 1, 3PCF WITH UL RATED FSK. PITCH SURFACE OF INSULATION TO DRAIN BY INSTALLING 6" WIDE INSULATION BOARD DOWN CENTER OF DUCT PRIOR TO APPLYING INSULATION. PROVIDE 0.016" SMOOTH ALUMINUM JACKET WITH SEAMS POSITIONED TO SHED WATER. SEAL WATERTIGHT.

1 EXTERIOR DUCT SUPPORT DETAIL
M-2.1 SCALE: NONE



2 INLINE FAN DETAIL
M-2.1 SCALE: NONE



NOTES:
PIPE TYPE 'L' HARD DRAWN COPPER CONDENSATE LINE AT FULL SIZE OF UNIT CONNECTION, BUT IN NO CASE SMALLER THAN 3/4".

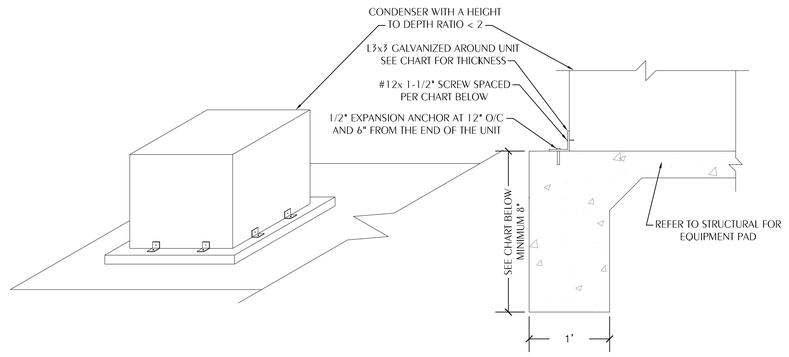
LOCATE TRAPS SO AS TO BE ACCESSIBLE FOR CLEANING.

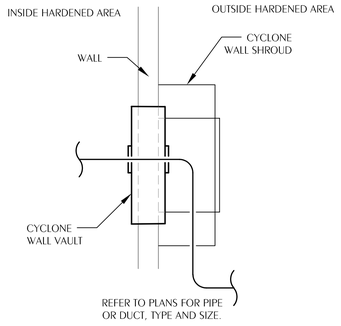
H = AIR UNIT TOTAL STATIC PRESSURE + 1"

J = H/2

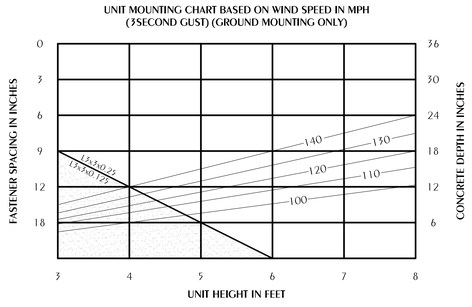
ROUTE CONDENSATE TO NEAREST FLOOR DRAIN. CONDENSATE PIPE SHALL BE PROVIDED BY THE HVAC CONTRACTOR.

3 NEGATIVE PRESSURE CONDENSATE DRAIN TRAP
M-2.1 SCALE: NONE





4 HARDENED WALL PENETRATION DETAIL
M-2.1 SCALE: NONE



DESIGN CRITERIA:

CODE:	ASCE 7-05
VELOCITY:	SEE BELOW
Kz:	0.70
Kzt:	1.00
Kd:	0.85
IMPORTANCE:	1.15
EXPOSURE:	B
Cf:	1.3
Gf:	0.85
qz:	
100 mph	17.52 psf
110 mph	21.20 psf
120 mph	25.22 psf
130 mph	29.60 psf
140 mph	34.33 psf
Pdrsign:	
100 mph	19.36 psf
110 mph	23.42 psf
120 mph	27.87 psf
130 mph	32.71 psf
140 mph	37.94 psf

5 OUTDOOR MECHANICAL UNIT MOUNTING DETAIL
M-2.1 SCALE: NONE

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SHEET TITLE: HVAC DETAILS

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SEQUENCE OF OPERATION
HEAT PUMP-UNTREATED OA

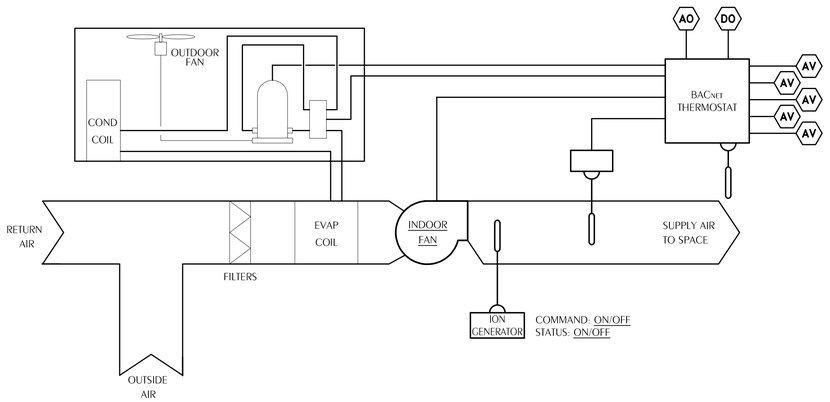
GENERAL: THE UNIT SHALL BE STARTED AUTOMATICALLY BY THE BACnet THERMOSTAT. ALL CONTROLS ACTIVATED SUBJECT TO THE FIRE ALARM RELAY, SAFETIES AND OVERLOADS.

OCCUPIED MODE: THE INDOOR FAN SHALL RUN CONTINUALLY AND THE HEAT PUMP SHALL STAGE COMPRESSORS WITH A CALL FOR HEATING AND COOLING. THE SET POINT FOR COOLING SHALL BE 75°F ADJUSTABLE. THE SET POINT FOR HEATING SHALL BE 70°F ADJUSTABLE.

UNOCCUPIED MODE: THE INDOOR FAN AND HP SHALL CYCLE TO MAINTAIN SET POINT TEMPERATURE. THE SET POINT FOR COOLING SHALL BE 80°F ADJUSTABLE. THE SET POINT FOR HEATING SHALL BE 65°F ADJUSTABLE.

OVERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE FOR 1 HR.

HUMIDITY CONTROL: UPON A CALL FOR DEHUMIDIFICATION (SETPOINT EQUALS 60%, ADJUSTABLE), THE UNIT SHALL BE PLACED IN COOLING MODE ON LOW FAN SPEED UNTIL THE CALL FOR DEHUMIDIFICATION HAS BEEN SATISIFIED OR THE SPACE TEMPERATURE FALLS 2°F BELOW COOLING SETPOINT.



1 M-3.0 **HEAT PUMP-UNTREATED OA CONTROL DIAGRAM**
SCALE: NONE

HEAT PUMP-UNTREATED OA POINTS LIST

	HARDWARE POINTS				LOCAL CONTROLLER POINTS				
POINT NAME	AI	AO	DI	DO	AV	DV	SCHED	TREND	ALARM
OCCUPIED/UNOCCUPIED SCHED							X		
ZONE TEMP SETPOINT					X				
ZONE TEMP					X				
ZONE RELATIVE HUMIDITY					X				
SUPPLY AIR TEMP					X				

SEQUENCE OF OPERATION
MIXED AIR UNITS

GENERAL: THE DDC CONTRACTOR SHALL INSTALL FIELD MOUNTED SENSORS PROVIDED BY THE UNIT MANUFACTURER. THE DDC SYSTEM SHALL CONNECT TO THE UNITS BACNET INTERFACE TO READ THE POINTS INDICATED. THE DDC SYSTEM SHALL PROVIDE OCCUPIED/UNOCCUPIED SIGNAL TO THE FACTORY MOUNTED UNIT CONTROLLER, MONITOR ALARM STATUS, AND MONITOR VALUES INDICATED. THE DDC SHALL MONITOR BUILDING RELATIVE HUMIDITY (BACnet POINTS FROM ROOM THERMOSTATS) AND OUTSIDE AIR SUPPLY AIR DEWPOINT TEMPERATURE. WHEN THE OA DEWPOINT SUPPLY AIR TEMPERATURE RISES ABOVE 60°F FOR MORE THAN 10 MINUTES (ADJUSTABLE), THE DDC SHALL POST AN ALARM AND SHUT DOWN THE OUTSIDE AIR UNIT.

THE FOLLOWING SEQUENCE OF OPERATIONS SHALL BE PROVIDED BY THE UNIT MANUFACTURER:

GENERAL: STARTING AND STOPPING OF EQUIPMENT SHALL BE BY A UNIT MOUNTED DIGITAL CONTROLLER. WITH THE DIGITAL CONTROLLER IN THE AUTO MODE, THE UNIT SHALL BE STARTED AUTOMATICALLY BY THE ELECTRONIC CONTROL SYSTEM AND ALL CONTROLS ACTIVATED SUBJECT TO THE FIRE ALARM RELAY, SAFETIES AND OVERLOADS.

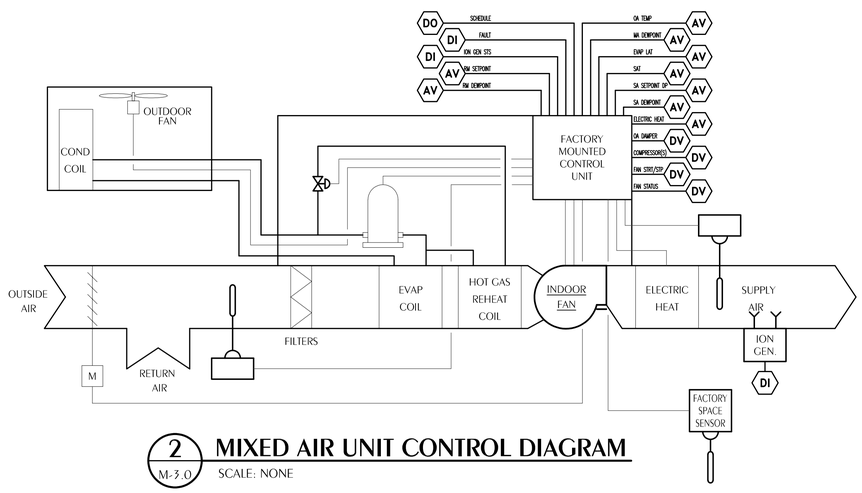
OCCUPIED MODE: THE MOTORIZED OA DAMPER SHALL OPEN TO THE BALANCED POSITION AND THE INDOOR FAN SHALL RUN CONTINUOUSLY.

DEHUMIDIFICATION AND COOLING: THE UNIT SHALL DEHUMIDIFY SUPPLY AIR TO A SET POINT OF 50°F DEWPOINT ANYTIME THE MIXED AIR DEWPOINT IS ABOVE 55°F. THE UNIT SHALL REHEAT SUPPLY AIR TO MAINTAIN THE SPACE AT SETPOINT, 75°F, ADJUSTABLE FROM THE GRAPHIC. UPON A CALL FOR COOLING AND NO CALL FOR DEHUMIDIFICATION, THE UNIT SHALL COOL SUPPLY AIR AS REQUIRED TO MAINTAIN SPACE TEMPERATURE AT SETPOINT.

OCCUPIED MODE HEATING: THE ELECTRIC HEAT SHALL OPERATE AS REQUIRED TO MAINTAIN THE SPACE AT SETPOINT, 70°F, ADJUSTABLE FROM THE GRAPHIC. THE ELECTRIC HEAT SHALL BE LOCKED OUT DURING COOLING.

UNOCCUPIED MODE: THE MOTORIZED OA DAMPER SHALL CLOSE AND THE UNIT SHALL NOT OPERATE.

OVERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE AND THE OUTSIDE AIR DAMPER FOR THE UNIT IN OVERRIDE SHALL OPEN TO THE BALANCED POSITION.



2 M-3.0 **MIXED AIR UNIT CONTROL DIAGRAM**
SCALE: NONE

MIXED AIR UNIT POINTS LIST

	HARDWARE POINTS				SOFTWARE POINTS/FUNCTIONS					
POINT NAME	AI	AO	DI	DO	AV	DV	SCHED	TREND	ALARM	GRAPHIC
SCHEDULE				X						X
FAULT			X						X	X
ION GEN STATUS			X						X	X
ROOM SETPOINT					X					X
ROOM DEWPOINT					X					X
OUTDOOR AIR TEMP					X					X
MIXED AIR DEW POINT					X					X
EVAPORATOR LEAVING TEMP					X					X
SUPPLY AIR TEMP					X					X
SUPPLY AIR SETPOINT-DEWPOINT					X					X
SUPPLY AIR DEWPOINT					X					X
ELECTRIC HEAT					X					X
OA DAMPER						X				X
COMPRESSOR(S)						X				X
FAN START/STOP						X				X
FAN STATUS						X			X	X

DDC SYSTEM GENERAL NOTES

1. THE DDC CONTRACTOR SHALL PROVIDE A COMPLETE NEW DDC SYSTEM TO PERFORM THE INDICATED SEQUENCES, ALL OTHER FUNCTIONS REQUIRED BY THE CONTRACT DOCUMENTS, AND ALL OTHER FUNCTIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM.
2. THE CONTROLS CONTRACTOR SHALL PROVIDE A DDC SYSTEM FOR THE NEW EQUIPMENT THAT MEETS ALL REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS. THIS SHALL INCLUDE ALL GRAPHICS, AREA CONTROL MEMBERS, TIME SCHEDULING, ETC. ALL WORK SHALL BE THE RESPONSIBILITY OF THIS CONTROLS CONTRACTOR.
3. ALL SEQUENCES ARE SUBJECT TO SAFETIES. DDC CONTRACTOR SHALL PROVIDE ALL NECESSARY AND CUSTOMARY SAFETIES.
4. ALL WIRING SHALL BE IN CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS, REQUIREMENTS FOR 120 VAC CIRCUITS.
5. ALL CONTROL TUBING SHALL BE RUN IN CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS, REQUIREMENTS FOR 120 VAC CIRCUITS.
6. CONDUIT SHALL BE RUN PERPENDICULAR AND PARALLEL TO BUILDING LINES IN A FIRST CLASS WORKMANSHIP LIKE MANNER.
7. NO EXPOSED CONDUIT SHALL BE USED IN FINISHED SPACES.
8. PROVIDE WIRE GUARD FOR THERMOSTATS AND TEMPERATURE SENSORS LOCATED IN MULTIPURPOSE ROOMS AND CORRIDORS.
9. THE DDC SYSTEM SHALL COMMUNICATE WITHIN THE BUILDING ON ITS OWN WIRING SYSTEM AND SHALL NOT UTILIZE THE OWNER'S LOCAL AREA NETWORK WITHIN THE BUILDING.

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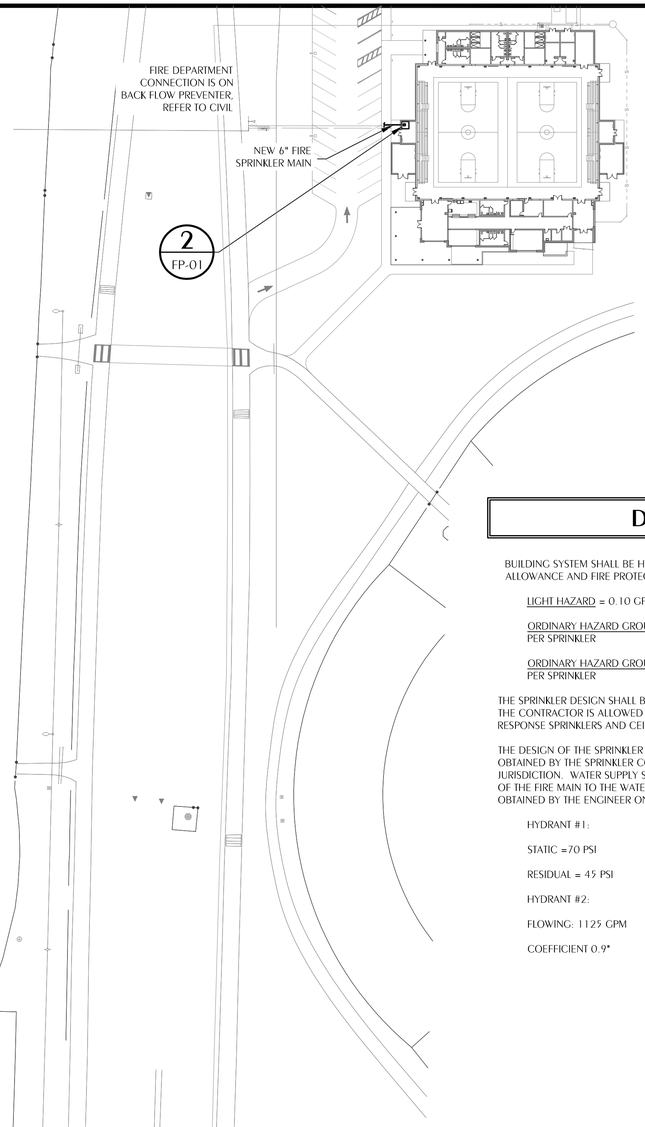
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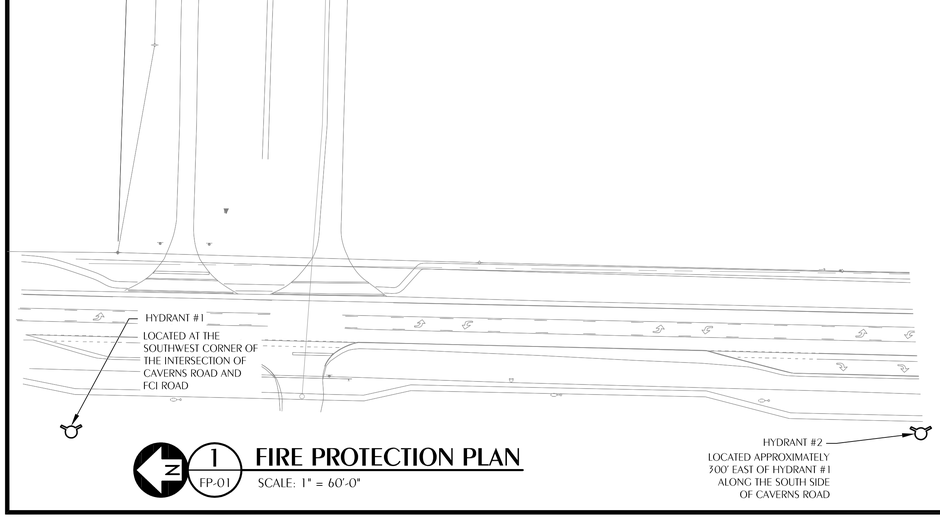
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1 FP-01 **FIRE PROTECTION PLAN**
SCALE: 1" = 60'-0"

WATER BASED SPRINKLER SYSTEM REQUIREMENTS

1. THE POINT OF SERVICE AND BACKFLOW PREVENTER ARE SHOWN FOR REFERENCE ONLY. REFER TO THE CIVIL SITE UTILITY PLAN FOR FURTHER INFORMATION.
2. THE BUILDING SHALL BE FULLY SPRINKLED IN ACCORDANCE WITH THE MOST RECENT EDITION OF NFPA 13 AND LOCAL CODES.
3. REFER TO PLAN SHEETS AND HAZARD CLASSIFICATION LEGEND FOR HAZARD CLASSIFICATION OF EACH ROOM OR AREA.
4. THE NEW SYSTEMS SHALL SHALL BE HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA 13.

   LIGHT HAZARD: 0.10 GPM/SF, MAX 225 SF PER HEAD, 15 FT MAX NOMINAL SPACING; ORDINARY TEMPERATURE RATING HEADS.
   ORDINARY HAZARD GROUP 1: 0.15 GPM/SF, MAX 130 SF PER HEAD, 15 FT MAX NOMINAL SPACING; INTERMEDIATE TEMPERATURE RATING HEADS.
   ORDINARY HAZARD GROUP 2: 0.20 GPM/SF, MAX 130 SF PER HEAD, 15 FT MAX NOMINAL SPACING; INTERMEDIATE TEMPERATURE RATING HEADS.

   FOR ADDITIONAL REQUIREMENTS, REFER TO DESIGN CRITERIA NOTES ON THIS SHEET.

5. THE POINT OF SERVICE CONNECTION IS A NON-CIRCULATING MAIN.
6. REFER TO DESIGN CRITERIA NOTES ON THIS SHEET FOR FLOW TEST DATA.
7. REFER TO WET PIPE RISER DETAIL FOR VALVE AND SUPERVISION REQUIREMENTS.
8. MICROBIAL INDUCED CORROSION IS NOT ANTICIPATED IN THIS PROJECT.
9. REFER TO CIVIL SITE UTILITY DRAWINGS FOR BACKFLOW PREVENTER. MAXIMUM DESIGN PRESSURE DROP SHALL NOT EXCEED 5 PSI.
10. REFER TO DIVISION 21 SPECIFICATIONS FOR QUALITY AND PERFORMANCE SPECIFICATIONS OF ALL FIRE PROTECTION COMPONENTS.
11. NO FIRE PUMP IS REQUIRED.
12. NO ON SITE FIREWATER STORAGE TANK IS REQUIRED.
13. REFER TO CIVIL DRAWINGS FOR FORWARD FULL TEST PROVISIONS.

DESIGN CRITERIA

BUILDING SYSTEM SHALL BE HYDRAULICALLY DESIGNED WITH NO INSIDE HOSE STREAM ALLOWANCE AND FIRE PROTECTION SPRINKLER DENSITY VALUES AS FOLLOWS:

LIGHT HAZARD = 0.10 GPM/SF WITH A MAXIMUM OF 225 SF COVERAGE PER SPRINKLER

ORDINARY HAZARD GROUP 1 = 0.15 GPM/SF WITH A MAXIMUM OF 130 SF COVERAGE PER SPRINKLER

ORDINARY HAZARD GROUP 2 = 0.20 GPM/SF WITH A MAXIMUM OF 130 SF COVERAGE PER SPRINKLER

THE SPRINKLER DESIGN SHALL BE BASED ON THE MOST HYDRAULICALLY DEMANDING 1500 SF. THE CONTRACTOR IS ALLOWED TO REDUCE THE DESIGN AREA BASED ON THE USE OF QUICK RESPONSE SPRINKLERS AND CEILING HEIGHT IN ACCORDANCE WITH NFPA 13.

THE DESIGN OF THE SPRINKLER SYSTEM SHALL BE BASED UPON WATER SUPPLY INFORMATION OBTAINED BY THE SPRINKLER CONTRACTOR AND WITNESSED BY THE AUTHORITY HAVING JURISDICTION. WATER SUPPLY SHALL BE PRESUMED AVAILABLE AT THE POINT OF CONNECTION OF THE FIRE MAIN TO THE WATER SUPPLY SYSTEM. THE FOLLOWING FLOW TEST DATA WAS OBTAINED BY THE ENGINEER ON FEBRUARY 26, 2025, PROVIDED BY MARIANNA FIRE RESCUE.

HYDRANT #1:

STATIC =70 PSI

RESIDUAL = 45 PSI

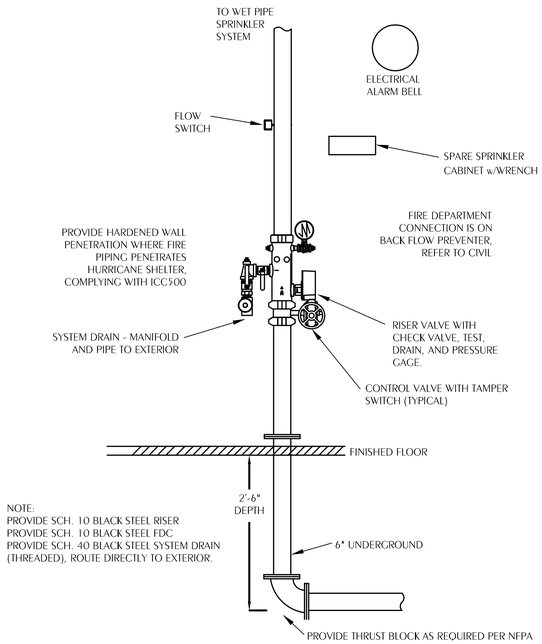
HYDRANT #2:

FLOWING: 1125 GPM

COEFFICIENT 0.9"

LEGEND

FIRE	FW	FIRE WATER SUPPLY (SITE)
	PW	POTABLE WATER SUPPLY
WM	WM	WATER MAIN
	FW(E)	EXISTING FIRE WATER SUPPLY
		FIRE SPRINKLER MAIN
		FIRE RISER
	FDC	FIRE DEPARTMENT CONNECTION
		FIRE DEPARTMENT CONNECTION
		ROOF HYDRANT



NOTE:
PROVIDE SCH. 10 BLACK STEEL RISER
PROVIDE SCH. 10 BLACK STEEL FDC
PROVIDE SCH. 40 BLACK STEEL SYSTEM DRAIN (THREADED), ROUTE DIRECTLY TO EXTERIOR.

2 FP-01 **WET PIPE RISER DETAIL**
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. IT IS NOTED THAT SOME AREAS WILL BE REQUIRED TO BE PROTECTED AS ORDINARY HAZARD (MECHANICAL ROOMS, ETC.) THESE AREAS HAVE BEEN IDENTIFIED BY A DIFFERENT HATCHING PATTERN THEN THE LIGHT HAZARD AREAS ON THE PLANS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN CURRENT WATER FLOW DATA AND DESIGN SPRINKLER SYSTEMS ACCORDINGLY. SHALL OBTAIN CURRENT WATER FLOW DATA AND DESIGN MODIFICATIONS ACCORDINGLY.
3. MAINTAIN THE INTEGRITY OF ALL FIRE RATED ASSEMBLIES AND ACOUSTICAL ASSEMBLIES.
4. CONTRACTOR SHALL COORDINATE SYSTEM DESIGN WITH ALL OTHER TRADES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INSPECTOR'S TEST LOCATIONS IN ACCORDANCE WITH NFPA 13 AND THE AUTHORITY HAVING JURISDICTION.
6. ALL PIPING SHALL OBSERVE PROPER PITCH. PROVIDE DRAINS FOR LOW POINTS.
7. THE SPRINKLER SYSTEM SHALL BE ARRANGED FOR FLUSHING. READILY REMOVABLE FITTINGS SHALL BE PROVIDED AT THE END OF ALL CROSSMAINS.
8. PIPE HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA 13 FOR SUPPORTING SPRINKLER PIPING. NO OTHER PIPING OR DEVICES SHALL BE ATTACHED TO THE SPRINKLER HANGER SYSTEM UNLESS THE HANGER HAS BEEN DESIGNED TO CARRY THE ADDITIONAL LOAD.
9. THIS CONTRACT DOES NOT INCLUDE ANY MATERIAL OR DEVICE TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO ENABLE IT TO CARRY THE LOAD OF THE FIRE PROTECTION SYSTEM.
10. ALL UNDERGROUND PIPING SHALL BE DUCTILE IRON WITH FITTINGS AND JOINTS PER NFPA 13. TEFLON TAPE SHALL BE ADDED TO ALL MALE THREADS OF PIPE AS A JOINING COMPOUND.
11. ALL ABOVE GROUND WET SPRINKLER PIPE THAT IS THREADED SHALL BE SCHEDULE 40 BLACK WITH BLACK CAST/MALEABLE IRON FITTINGS WITH JOINTS PER NFPA 13. TEFLON TAPE SHALL BE ADDED TO ALL MALE THREADS OF PIPE AS A JOINING COMPOUND. CPVC PIPING IS NOT ACCEPTABLE.
12. ALL ABOVE GROUND WET SYSTEM SPRINKLER PIPE THAT IS WELDED OR ROLL-GROOVED SHALL BE SCHEDULE 10 BLACK WITH BLACK CAST/MALEBLE IRON FITTINGS WITH JOINTS PER NFPA 13. CPVC PIPING IS NOT ACCEPTABLE.
13. TRENCHING SHALL BE PERFORMED BY HAND WHERE THERE IS THE POSSIBILITY OF ENCOUNTERING OBSTACLES OR EXISTING UTILITY LINES. WHERE CLEAR AND UNOBSTRUCTED AREAS ARE TO BE EXCAVATED, APPROPRIATE MACHINE EXCAVATION METHODS MAY BE EMPLOYED. PROVIDE PROPER BACKFILL AS REQUIRED PER SPECIFICATIONS.
14. INSTALL SPRINKLER HEADS CENTER OF TILE IN ACOUSTICAL CEILINGS. HEAD LOCATIONS SHALL BE GUIDED BY ARCHITECTURAL ELEMENTS FOR OTHER CEILING TYPES.
15. DO NOT LOCATE INSPECTORS TEST LOCATIONS OR DRAINS IN FINISHED OR OTHER FINISHED SPACES. INDICATE ALL LOCATIONS ON SHOP DRAWINGS.
16. REFER TO MECHANICAL DRAWINGS FOR FIRE WALL PIPE PENETRATION DETAILS.
17. SITE PIPING BEYOND 5'-0" OUTSIDE OF BUILDING SHOWN FOR REFERENCE ONLY. REFER TO CIVIL PLANS FOR BACK FLOW PREVENTER WITH FIRE DEPARTMENT CONNECTION.
18. SITE PIPING SHOWN FOR REFERENCE ONLY. REFER TO CIVIL SITE UTILITY PLANS FOR SITE PIPING, BACK FLOW PREVENTER, FIRE DEPARTMENT CONNECTION, AND HYDRANT LOCATIONS .
19. FLEXIBLE CONNECTIONS TO SPRINKLER HEADS ARE NOT ALLOWED.
20. EXPOSED FIRE PIPING SHALL BE PAINTED RED.
21. AFTER FLUSHING SYSTEM, TEST FIRE SPRINKLER PIPING HYDROSTATICALLY, FOR PERIOD OF 24 HOURS, AT NOT LESS THAN 200 PSI OR AT 50 PSI IN EXCESS OF MAXIMUM STATIC PRESSURE WHEN MAXIMUM STATIC PRESSURE IS IN EXCESS OF 150 PSI. CHECK SYSTEM FOR LEAKAGE OF JOINTS. MEASURE HYDROSTATIC PRESSURE AT LOW POINT OF EACH SYSTEM OR ZONE BEING TESTED.
22. SUBMIT MANUFACTURER'S TECHNICAL PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR: RETAIN OR DELETE AS REQUIRED. PIPE AND FITTINGS, BASIC PIPE SUPPORTS AND HANGERS, BASIC VALVES, SPECIAL VALVES, PRESSURE GAUGES, AUTOMATIC SPRINKLERS, & CABINETS. PREPARE WORKING (SHOP) DRAWINGS OF FIRE PROTECTION SYSTEMS INDICATING PIPE SIZES, PIPE LOCATIONS, PIPE ELEVATIONS, FITTINGS, SHUTOFFS, HANGERS, EQUIPMENT, AND COORDINATION WITH OTHER BUILDING SYSTEMS. SUBMITTAL SHALL SHOW ALL REQUIREMENTS PER NFPA-13.

SYSTEM ENGINEERING SUMMARY

AREA SERVICED (WET PIPE)	26122 SF
AREA SERVICED (DRY PIPE)	0 SF
HYDRAULICALLY MOST REMOTE AREA	1500 SF
HAZARD CLASSIFICATION OF REMOTE AREA	ORD. 1
SYSTEM DESIGN FLOW RATE (INDOOR)	292.5 GPM
OUTSIDE HOSE STREAM DEMAND	250 GPM
TOTAL WATER DEMAND	542.5 GPM
WATER PRESSURE DATA	
END HEAD PRESSURE	7.0 PSI
ELEVATION LOSS	14.289 PSI
OUTSIDE FRICTION LOSS	1 PSI
BACK FLOW PREVENTOR	5 PSI
SAFETY FACTOR	10 PSI
AVAILABLE INSIDE FRICTION LOSS	20 PSI

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SHEET TITLE: FIRE PROTECTION DETAILS AND NOTES

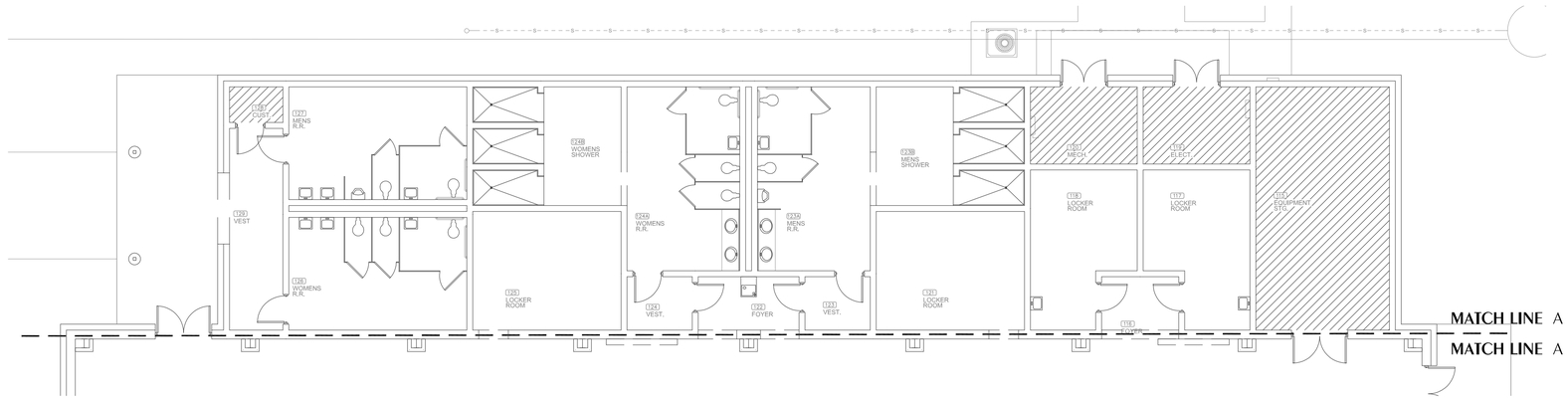
CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT. 4, 2025
DRAWN BY: TLC
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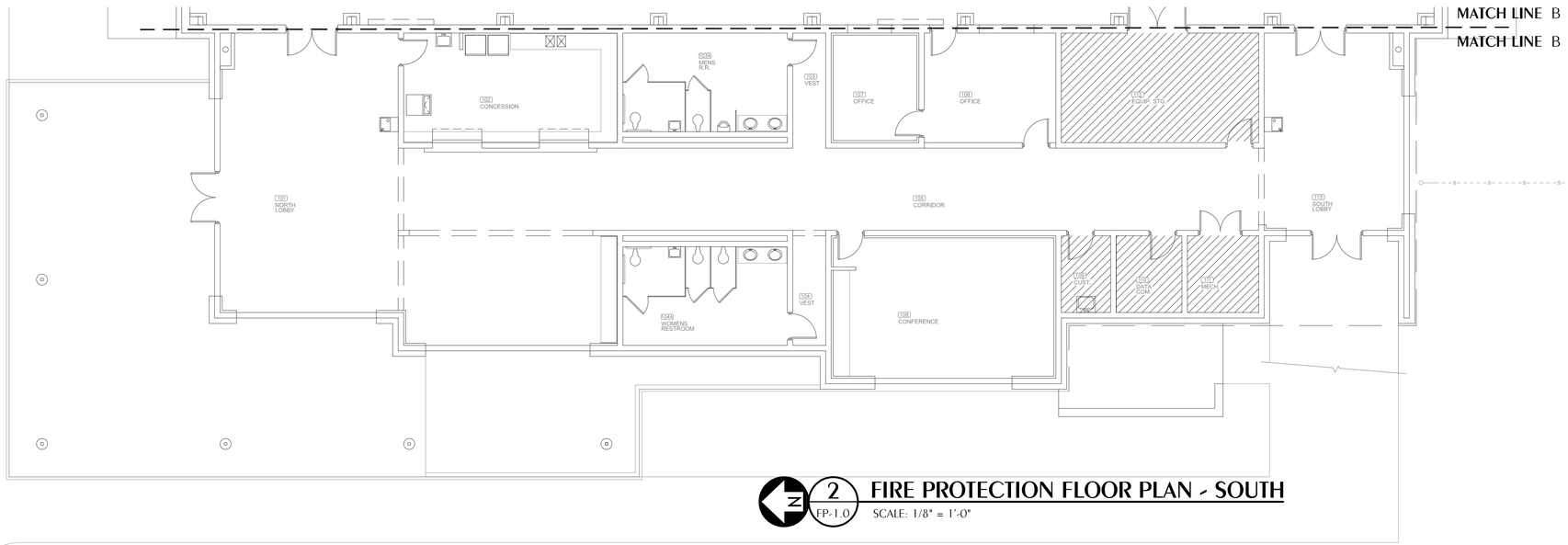
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N 1 FP-1.0 **FIRE PROTECTION FLOOR PLAN - NORTH**

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



N 2 FP-1.0 **FIRE PROTECTION FLOOR PLAN - SOUTH**

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

HAZARD CLASSIFICATION

	LIGHT HAZARD
	ORDINARY HAZARD GROUP 1
	ORDINARY HAZARD GROUP 2

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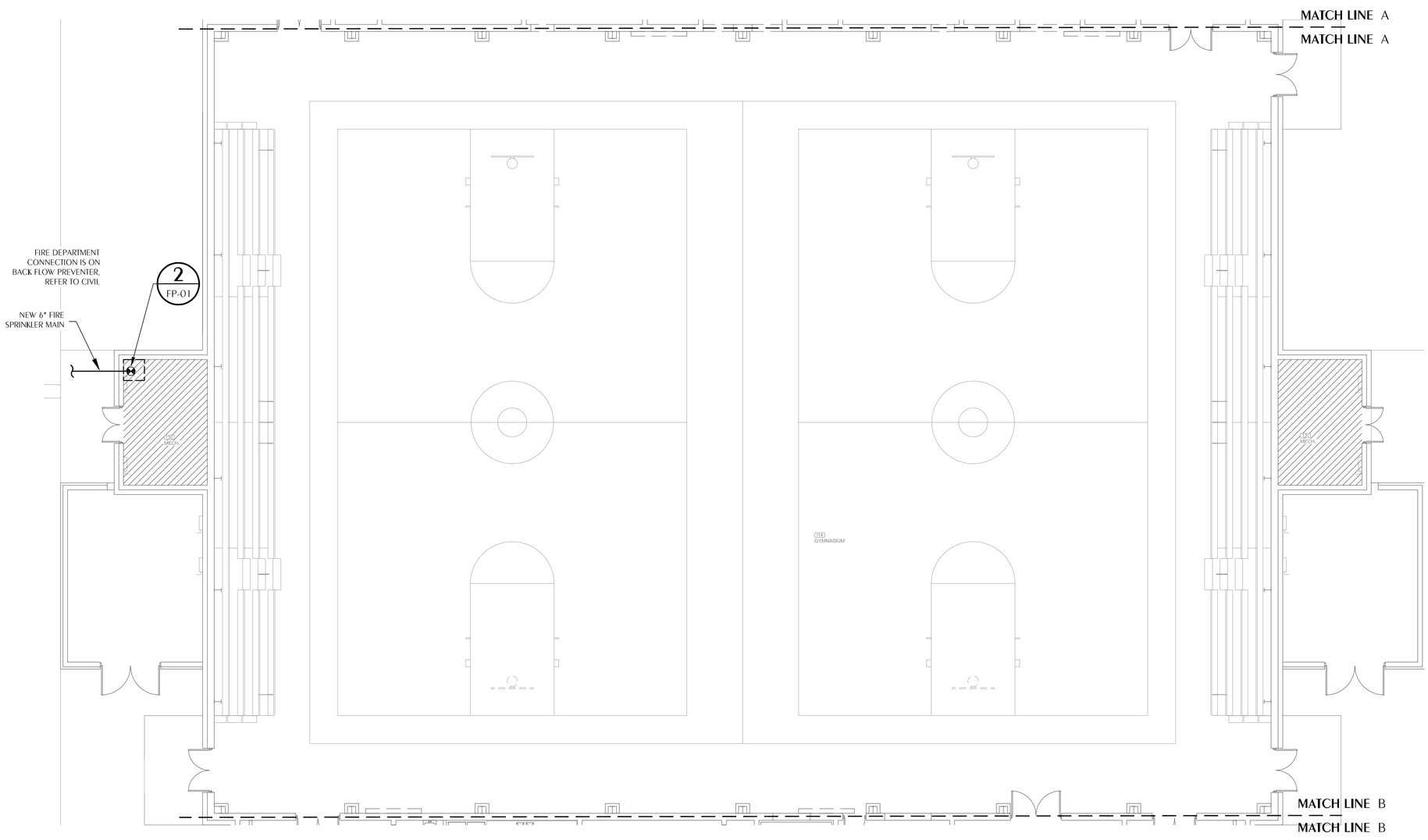
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HAZARD CLASSIFICATION

	LIGHT HAZARD
	ORDINARY HAZARD GROUP 1
	ORDINARY HAZARD GROUP 2

1 FIRE PROTECTION FLOOR PLAN - CENTER

FP-1.1

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

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ELECTRICAL LEGEND

A–1 ADJACENT TO ARROW INDICATES HOMERUN OF CIRCUIT NO. 1 TO PANEL A; "B" INDICATES FIXTURE TYPE; MARKS ACROSS RACEWAY RUN INDICATES THE NUMBER OF NO. 12 CONDUCTORS; UNLESS NOTED OTHERWISE NO MARKS INDICATES TWO NO. 12 CONDUCTORS AND ONE NO. 12 GREEN GROUND CONDUCTOR IN 1/2" CONDUIT (2#12 & 1#12 GND–1/2"C)

CEILING FIXTURE

CEILING FIXTURE WITH SELF CONTAINED EMERGENCY DRIVER

WALL BRACKET FIXTURE

POLE MOUNTED FIXTURE

2' X 2' FIXTURE; CEILING MOUNTED;

2' X 2' FIXTURE WITH SELF CONTAINED EMERGENCY DRIVER; CEILING MOUNTED;

2' X 4' FIXTURE; CEILING MOUNTED

'2 X 4' FIXTURE WITH SELF CONTAINED EMERGENCY DRIVER; CEILING MOUNTED

TWIN HEAD EMERGENCY BATTERY UNIT

EXIT SIGN; BACK MOUNTED; ARROWS AS NOTED; SHADED SECTION INDICATES LIGHTED FACE OF EXIT SIGN

JUNCTION BOX; MOUNTED ABOVE CEILING

JUNCTION BOX; MOUNTED FLUSH IN WALL WITH BLANK COVER

DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE; NEMA 5–20R; HUBBELL SERIES HBL5352

QUAD RECEPTACLE; 125V; 20A; 3 POLE GND; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE; NEMA 5–20R; HUBBELL SERIES HBL5352

TAMPER RESISTANT DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE; NEMA 5–20R; HUBBELL SERIES HBL SERIES BR20xxTR

DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; GFI; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE; NEMA GF–5–20R; HUBBELL SERIES GF5362

WP LETTERS "WP" ADJACENT TO SYMBOL INDICATES GFI WEATHER RESISTANT RECEPTACLE WITH WEATHERPROOF COVER; PASS AND SEYMOUR WIUFC10S COVER/BOX.

DUPLEX RECEPTACLE FOR TELEVISION WITH TVSS PROTECTION, LED AND ALARM; 125V; 20A; 2 POLE; 3 WIRE; GND; SEE TELECOM PLANS FOR MOUNTING DETAILS. NEMA 5–20R; HUBBELL SERIES HBL5362SA

DUPLEX RECEPTACLE; 125V; 20A; 3 POLE GND; MT 26" AFF TO C/L FOR DRINKING FOUNTAIN; UNLESS NOTED OTHERWISE; NEMA 5–20R; HUBBELL SERIES HBL5362 VERIFY HEIGHT FOR DRINKING FOUNTAIN WITH MECHANICAL CONTRACTOR.

COMBINATION POWER/TELECOM FLOOR BOX; TWO DUPLEX RECEPTACLES; 125V; 20A; 3 POLE GND; NEMA 5–20R; HUBBELL SERIES HBL5352; REFER TO TELECOM AND A/V PLANS FOR FLOOR BOX PART NUMBERS, INSTALLATION DETAILS AND LOCATION.

LETTERS +XX" ADJACENT TO SYMBOL INDICATES RECEPTACLE MOUNTING HEIGHT.
+AC" = ABOVE COUNTER.
+TV" = VERIFY HEIGHT OF TV WITH OWNER.

S WALL SWITCH; 120V; 20A; 1 POLE; A.C. ONLY; MT 48" AFF TO C/L; HUBBELL SERIES HBL1221

S3 WALL SWITCH; 120V; 20A; VACANCY SENSOR DUAL TECHNOLOGY MULTI–WAY TYPE; MT 48" AFF TO C/L; REFER TO DETAILS

S.x LOW VOLTAGE WALL SWITCH; CONNECT TO LOCAL POWER PACK/ROOM CONTROL; MT 48" AFF TO C/L; SEE LIGHTING CONTROL DETAILS; LETTER "X" INDICATES BUTTON COUNT; REFER TO LOW VOLTAGE SWITCH SCHEDULE FOR SPECIFIC INFORMATION.

MOTOR CONTROL SWITCH, LOCKABLE; 600V; 20A; 1 POLE; A.C. ONLY; NEAR OR ON EQUIPMENT BEING SERVED; HUBBELL SERIES HBL1221L.

LIGHTING CONTROLS SYSTEM NETWORK BRIDGE; INSTALL CONCEALED ABOVE CEILING SPACE; REFER TO LIGHTING CONTROLS DETAILS

ROOM CONTROLLER; INSTALL CONCEALED ABOVE CEILING SPACE; REFER TO LIGHTING CONTROLS DETAILS

LOW VOLTAGE OCCUPANCY SENSOR; 360° DUAL–TECHNOLOGY TYPE; CEILING MOUNTED; UNLESS OTHERWISE NOTED; REFER TO LIGHTING CONTROLS DETAILS

LOW VOLTAGE VACANCY SENSOR; 360° DUAL–TECHNOLOGY TYPE; CEILING MOUNTED; UNLESS OTHERWISE NOTED; REFER TO LIGHTING CONTROLS DETAILS

LOW VOLTAGE HIGH BAY OCCUPANCY SENSOR; 360° DUAL–TECHNOLOGY TYPE; CEILING MOUNTED; UNLESS OTHERWISE NOTED; REFER TO LIGHTING CONTROLS DETAILS

RED MUSHROOM PUSH–BUTTON WITH KEY RELEASE; MT. 60" AFF TO C/L. LABEL 'EMERGENCY STOP', EQUAL TO SQUARE D MODEL XB6AS9345B

PANEL; 120/240V; MT 72" AFF TO TOP

FUSED DISCONNECT SWITCH; AMP SIZE AS NOTED; FUSE SIZE PER EQUIPMENT NAMEPLATE DATA

RACEWAY INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING

FLEXIBLE CONDUIT CONNECTION

DATA SYSTEM WALL OUTLET WITH ONE(1) RJ–45 JACK AND COVERPLATE; MT 18" AFF TO C/L UNLESS NOTED OTHERWISE – INSTALL 3/4"C WITH PULL–RIBBON UP INTO CEILING SPACE.

WIRELESS ACCESS POINT BY OWNER: CONTRACTOR PROVIDE CAT6 CABLE IN 3/4" CONDUIT BACK TO COMM RACK.

PC WIRELESS ACCESS POINT w/ POLYCARBONATE COVER BY OWNER: CONTRACTOR PROVIDE CAT6 CABLE IN 3/4" CONDUIT BACK TO COMM RACK.

F FIRE ALARM SYSTEM MANUAL PULL STATION; MT 48" AFF TO C/L

PC FIRE ALARM SYSTEM SINGLE ACTION MANUAL PULL STATION w/ POLYCARBONATE COVER; MT 48" AFF TO C/L

WG FIRE ALARM SYSTEM SIGNAL SPEAKER/STROBE; MT 80" AFF TO BOTTOM, '110' INDICATES CANDELA RATING, NO NUMBER INDICATES '75' CANDELA MINIMUM; AUDIO SIGNAL AND STROBE CANDELA SHALL BE SELECTABLE ON BACK OF DEVICE. 'WG' INDICATES WIRE GUARD.

WP FIRE ALARM SYSTEM EXTERIOR WEATHERPROOF SIGNAL SPEAKER/STROBE; MT 90" AFF TO BOTTOM, '75' CANDELA RATING MINIMUM UNLESS OTHERWISE NOTED; AUDIO SIGNAL AND STROBE CANDELA SHALL BE SELECTABLE ON BACK OF DEVICE.

110 FIRE ALARM SYSTEM STROBE; MT 80" AFF TO BOTTOM, '110' INDICATES CANDELA RATING, NO NUMBER INDICATES 75 CANDELA MINIMUM

FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR; 135 DEGREE/RATE OF RISE TYPE; CEILING MOUNTED

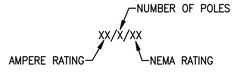
FIRE SPRINKLER SYSTEM FLOW/TAMPER SWITCH

FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR; CEILING MOUNTED

FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR

PHOTOCELL; REFER TO LIGHTING CONTROL DIAGRAM FOR TYPE

DT DIGITAL TIMESWITCH WITH RESERVE POWER; REFER TO LIGHTING CONTROL DIAGRAM FOR TYPE



DISCONNECT SWITCH
DESCRIPTION NOMENCLATURE



EXIT SIGN NOMENCLATURE
NOT TO SCALE

ELECTRICAL GENERAL NOTES

A. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.

B. RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS.

C. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING–IN WALL FOR SWITCHES.

D. LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.

E. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.

F. ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.

G. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.

H. PROVIDE GREEN GROUND CONDUCTOR IN ALL CIRCUITS – SIZE PER N.E.C.

I. ALL EXPOSED CONDUITS, BOXES, STRAPS AND HANGERS IN THE CONTRACT AREA WHETHER NEW OR EXISTING THAT ARE PART OF THE ELECTRICAL SYSTEM SHALL BE PAINTED TO MATCH ADJACENT FINISH.

J. PROVIDE CONCRETE MARKER AT END OF ALL CONDUITS STUBBED OUT OF BUILDING FOR FUTURE USE. MARKER SHALL BE 6" DIA X 18" HIGH WITH 2" ABOVE FINISHED GRADE. INSCRIBE IN TOP OF MARKER "E" FOR ELECTRICAL,"T" FOR TELEPHONE,"V" FOR TV CABLE,"F" FOR FIRE ALARM, AND "IC" FOR INTERCOM.

K. GENERAL CONTRACTOR SHALL FIELD–VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.

L. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.

M. FIRE ALARM LOW VOLTAGE SOURCE AND BATTERY STANDBY SHALL ENERGIZE ALL ITEMS IN FIRE ALARM SYSTEM THAT REQUIRE POWER.

N. VERIFY EXACT LOCATION OF ALL FLOOR OUTLETS WITH THE ARCHITECT PRIOR TO ROUGHING–IN.

O. FINAL CONNECTION TO ALL DRY TYPE TRANSFORMERS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION

P. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FAULT CURRENT CALCULATIONS FOR THE SERVICE EQUIPMENT AND SHALL MARK THE EQUIPMENT WITH THE AVAILABLE FAULT CURRENT AND DATE OF THE CALCULATION PER NEC 110.24. REFER TO TYPICAL SERVICE EQUIPMENT FAULT CURRENT LABEL DETAIL.

Q. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ARC FAULT LABELS PER NFPA 70E ARTICLE 110.16 FOR NEW EQUIPMENT. THE OWNER SHALL PROVIDE AVAILABLE CALCULATION DATA FOR THE EXISTING EQUIPMENT IN THE ELECTRICAL SYSTEM. REFER TO TYPICAL ARC FLASH HAZARD LABEL DETAIL.

R. PROVIDE NEUTRAL AT ALL LINE VOLTAGE SWITCH LOCATIONS PER N.E.C. 404.2(C).

S. COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE AND THE NATIONAL ELECTRIC CODE. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.

T. OBTAIN ARCHITECTS APPROVAL OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, ETC. PRIOR TO PURCHASING.

U. THE ELECTRICAL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. ALL NOT SO INSTALLED SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.

V. ALL WORK SHALL BE INSTALLED IN CONCEALED TYPE CONSTRUCTION. UNDERGROUND CONDUITS UP TO FIRST BOX IN CONCEALED CONSTRUCTION MAY BE SCH.40 PVC. EXTERIOR EXPOSED WORK SHALL BE I.M.C. BRANCH CIRCUIT CONDUIT RUN IN OPEN SPACES ABOVE CEILING OR IN WALLS MAY BE THINWALL (E.M.T.) CONDUIT 1/2" MIN. SIZE.

W. ALL CONDUCTORS LESS THAN 100A. SHALL BE COPPER #12 & #10 SOLID, #8 AND LARGER STRANDED, #6 AND SMALLER TO BE TYPE THW, 600 VOLT INSULATION AND TYPE THW OR THHN FOR #4 AND LARGER. ALUM. CONDUCTORS MAY BE USED FOR 100A. AND LARGER ONLY WHERE USED WITH COMPRESSION TERMINATIONS.

X. PROVIDE GROUNDING PER NATIONAL ELECTRIC CODE.

Y. THE CONTRACTOR SHALL LEAVE THE ENTIRE ELECTRICAL SYSTEM INSTALLED IN PROPER WORKING ORDER, AND SHALL REPLACE WITHOUT ADDITIONAL COST, ALL WORK OR MATERIAL WHICH MAY DEVELOP DEFECTS, (ORDINARY WEAR AND TEAR OR DAMAGE RESULTING FROM IMPROPER HANDLING EXCEPTED) WITHIN A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.

ABBREVIATIONS

A – AMPERES
AC – ALTERNATING CURRENT
AFF – ABOVE FINISHED FLOOR
A.I.C. – AMPERE INTERRUPTING CAPACITY
ALUM – ALUMINUM
AMP – AMPERES
ANSI – AMERICAN NATIONAL STANDARDS INSTITUTE
C. – CONDUIT
C/L – CENTERLINE
CFM – CUBIC FEET PER MINUTE
CKT – CIRCUIT
CKT BRK – CIRCUIT BREAKER
COMM – COMMUNICATIONS
CT – CURRENT TRANSFORMER
CU – COPPER
DBL – DOUBLE
DIA – DIAMETER
DISC – DISCONNECT
EC – ELECTRICAL CONTRACTOR
EF – EXHAUST FAN
EMT – ELECTRICAL METALLIC TUBING
EWH – ELECTRIC WATER HEATER
FACP – FIRE ALARM CONTROL PANEL
FLA – FULL LOAD AMPERES
FRZ – FREEZER
GND – GROUND CONDUCTOR
GFI – GROUND FAULT PROTECTION
IEEE – INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
IMC – INTERMEDIATE METAL CONDUIT
INV – EMERGENCY LIGHTING INVERTER
KW – KILOWATTS
LSI – LONG SHORT INSTANTANEOUS (TRIP)
LTG – LIGHTING
LTS – LIGHTS
MAX – MAXIMUM
MCA – MINIMUM CIRCUIT AMPERES
MECH – MECHANICAL
MIN – MINIMUM
MLO – MAIN LUGS ONLY
MOCP – MAXIMUM OVER CURRENT PROTECTION
MT – MOUNT
NEC – NATIONAL ELECTRICAL CODE
NEMA – NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA – NATIONAL FIRE PROTECTION ASSOCIATION
NO – NUMBER
NTS – NOT TO SCALE
P – POLES
PH – PHASE
ø – PHASE
PVC – POLYVINYL CHLORIDE
QTY – QUANTITY
REC – RECEPTACLE
RECEPT – RECEPTACLE
REF – REFRIGERATOR
RGS – RIGID GALVANIZED STEEL
RMS – ROOT MEAN SQUARE
SCH – SCHEDULE
TS – TIME SWITCH
UNO – UNLESS NOTED OTHERWISE
V – VOLTS
VA – VOLT AMPERES
W – WIRE
WH – WATER HEATER
WP – WEATHERPROOF

SERVICE DISCONNECT

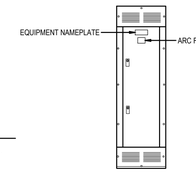
NOTES
1. PROVIDE LABEL IF NOT PROVIDED BY MANUFACTURER.
2. 3/8" WHITE LETTERS ON BLACK PANEL

SERVICE EQUIPMENT MARKING

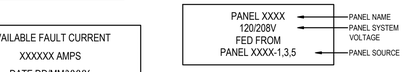
AVAILABLE FAULT CURRENT
XXXXXX AMPS
DATE:DD/MM/YYYY

NOTES
1. REQUIRED IN ADDITION TO ARC FLASH LABEL
2. 1/4" WHITE LETTERS ON BLACK PANEL.

AVAILABLE FAULT CURRENT

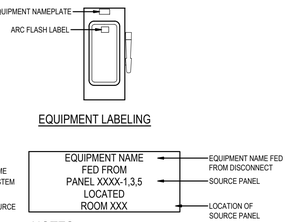


PANELBOARD LABELING



NOTES
1. PROVIDE LABEL FOR ALL PANELS FED FROM A FEEDER
2. NORMAL POWER - 1/4" BLACK LETTERS ON WHITE PANEL
3. EMERGENCY POWER - 1/4" WHITE LETTERS ON RED PANEL

PANELBOARD NAMEPLATES

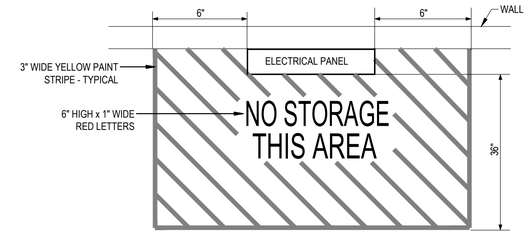


EQUIPMENT LABELING

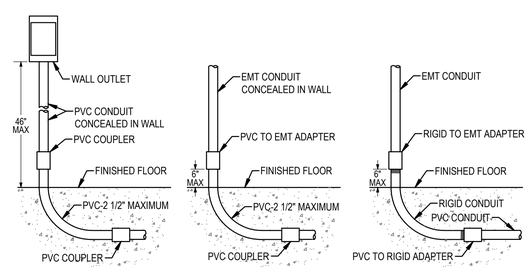
NOTES
1. NAMEPLATE MUST INDICATE DISCONNECT PURPOSE.
2. NAMEPLATE MUST INDICATE SOURCE AND SOURCE LOCATION.
3. NORMAL POWER - 1/4" BLACK LETTERS ON WHITE PANEL
4. EMERGENCY POWER - 1/4" WHITE LETTERS ON RED PANEL

DISCONNECT NAMEPLATE

EQUIPMENT LABELING DETAILS
NTS



TYPICAL FLOOR MARKING AT ELECTRICAL PANELS
NOT TO SCALE



WITH OUTLET BOX | WITHOUT OUTLET BOX | EXPOSED OR FEEDER CONDUIT

PVC STUB-UP DETAILS
NOT TO SCALE

Sheet List Table

Sheet Number	Sheet Title
E-1.0	ELECTRICAL LEGEND AND NOTES
E-2.0	ELECTRICAL SITE PLAN
E-3.1	SOUTH FLOOR PLAN - POWER
E-3.2	NORTH FLOOR PLAN - POWER
E-4.1	SOUTH FLOOR PLAN - LIGHTING
E-4.2	NORTH FLOOR PLAN - LIGHTING
E-5.1	POWER RISER & PANEL SCHEDULES
E-5.2	ELECTRICAL & GROUNDING DETAILS
E-6.1	LIGHTING CONTROLS & SCHEDULES
E-6.2	LIGHTING CONTROLS
E-6.3	FIRE ALARM RISER

100% COMPLETE

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SEPTEMBER 4, 2025

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25023
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SHEET TITLE: ELECTRICAL LEGEND AND NOTES

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M–2024–18
DATE: SEPT 4, 2025
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CHECKED BY: DW

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E-1.0

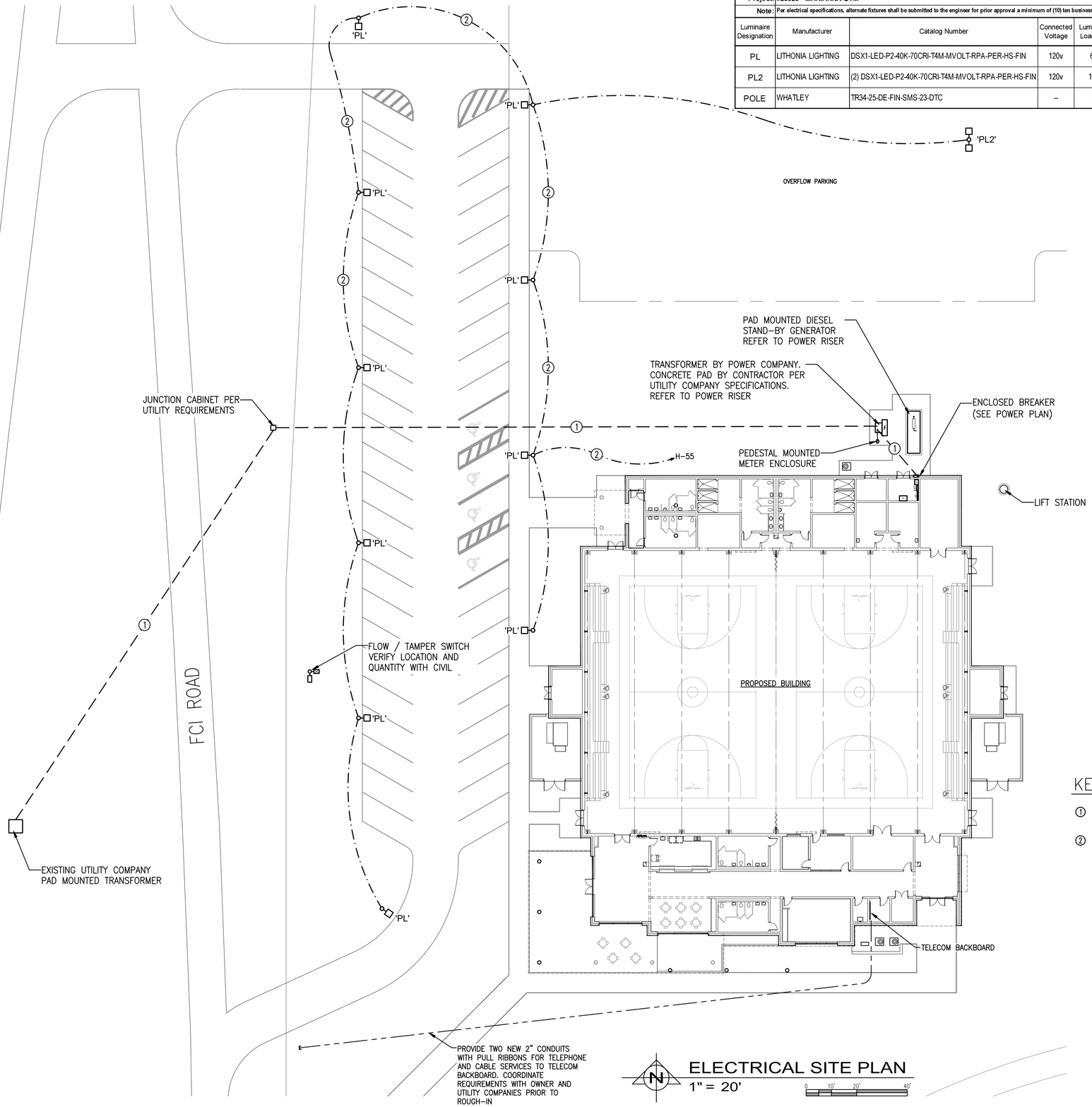
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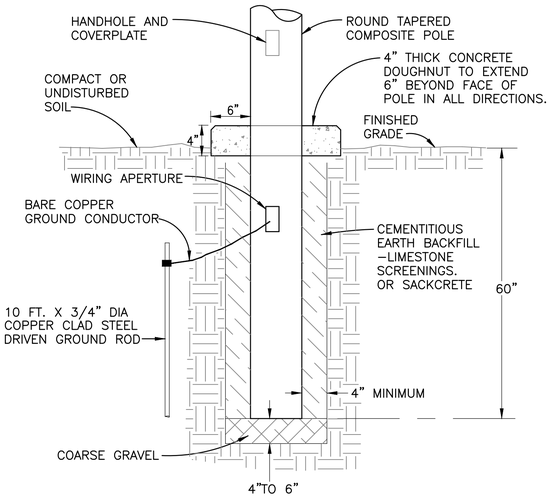
SITE LIGHTING FIXTURE SCHEDULE

Project: #25023 - MARIANNA GYM

Note: Per electrical specifications, alternate fixtures shall be submitted to the engineer for prior approval a minimum of (10) ten business days prior to bid date. Any alternate fixtures not submitted for prior approval will not be reviewed.

Luminaire Designation	Manufacturer	Catalog Number	Connected Voltage	Luminaire Load (va)	Mounting	Lamping Source	Color Rendering Index (CRI)	Kelvin Temperature	Comments
PL	LITHONIA LIGHTING	DSX1-LED-P2-40K-70CRI-T4M-MVOLT-RPA-PER-HS-FIN	120v	68	POLE LIGHT	LED	70	4000k	w/ PHOTOCELL - DLL127F 1.5 JU
PL2	LITHONIA LIGHTING	(2) DSX1-LED-P2-40K-70CRI-T4M-MVOLT-RPA-PER-HS-FIN	120v	136	DBL POLE LIGHT	LED	70	4000k	w/ PHOTOCELL - DLL127F 1.5 JU
POLE	WHATLEY	TR34-25-DE-FIN-SMS-23-DTC	--	--	DIRECT EMBEDDED (REFER TO DETAIL)	--	--	--	TAPERED COMPOSITE POLE SHAFT, 25' MOUNTING HEGHT, WIND SPEED 150 MPH (MIN)





POLE INSTALLATION DETAIL

NOT TO SCALE

KEYNOTES

① UNDERGROUND ELECTRICAL SERVICE. REFER TO POWER RISER.

② 2 #10 & 1 #10 GND IN 3/4" CONDUIT.

ELECTRICAL SITE PLAN

1" = 20'

0 10' 20' 40'

100% COMPLETE

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SEPTEMBER 4, 2025

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SHEET TITLE: ELECTRICAL SITE PLAN

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
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E-2.0

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KEYNOTES

1. ROUTE CONDUIT IN OR UNDER CONCRETE SLAB OR BELOW GRADE.
2. INSTALL JUNCTION BOX AND CONTROL WIRING FOR GOAL HOIST SYSTEM. CONCEAL CONDUIT ALONG ROOF FRAMING SYSTEM. INSTALL GOAL HOIST CONTROLS (2-GANG BOX) AT LOCATION SELECTED BY OWNER/ARCHITECT. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN. INSTALL PER MANUFACTURERS REQUIREMENTS.
3. INSTALL JUNCTION BOX FOR SCOREBOARD POWER AND CONTROLS. ROUTE CONTROL WIRING TO SCOREKEEPERS LOCATIONS AS SELECTED BY OWNER/ARCHITECT. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN. INSTALL PER MANUFACTURERS REQUIREMENTS.
4. KEYED SWITCH FOR GOAL HOIST SYSTEM. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN.
5. PROVIDE CONDUIT W/ PULL-RIBBON FOR SCOREBOARD CONTROL WIRING AS PER MANUFACTURERS REQUIREMENTS.
6. INSTALL JUNCTION BOX AND DISCONNECT AS NEEDED FOR MOTORIZED CURTAIN. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN.
7. POWER FOR LIGHT FIXTURE SEE LIGHTING PLAN.
8. CONNECT TO OUTDOOR UNIT MHP-1
9. IN AHU1, AHU2 & AHU3 CONNECT 120V POWER TO DUCT MOUNTED BIPOLAR IONIZATION UNIT (14 WATTS) CONNECT TO NEAREST RECEPTACLE CIRCUIT.
10. GENERATOR ANNUNCIATOR PANEL PROVIDE 1" CONDUIT WITH MANUFACTURERS RECOMMENDED CABLING BACK TO GENERATOR.

MATCH LINE A

MATCH LINE A

114 GYMNASIUM

SCORE KEEPER

SCORE KEEPER

H-76 H-21 H-27 MAU-1 MP-1-3-5 200/3/3R

H-78 H-28 H-22 MAU-2 MP-2-4-6 200/3/3R

H-29 H-30 H-19 H-20

H-23 H-47 H-24

H-1 H-2 H-5 H-6 H-46 H-7 H-8 H-9 H-10 H-4 H-11 H-12 H-14 H-16 H-44

101 WEST LOBBY

102 CONCESSION

103A MENS RESTROOM

103 VEST

107 OFFICE

106 OFFICE

123 EQUIP. STORAGE

113 EAST LOBBY

105 CORRIDOR

H-3 MP-26-28-30 FF-2 H-73 H-18 WM-1.1 CP1

H-13 H-15 H-17

104 VEST

108 CONFERENCE

104A WOMENS RESTROOM

109 CUST. 110 DATACOM EWH1 H-74 H-61 H-63-65 H-75 AHU2 AHU3 MP-20-22-24 H-68-70-72

111 MECH.

MP-14-16-18 MP-13-15-17

MHP-1 HP-2 HP-3

H-58-60

SOUTH FLOOR PLAN - POWER

1/8" = 1'-0"

0 4' 8' 16'

GENERAL NOTE
REFER TO MECHANICAL SCHEDULE FOR DISCONNECT, CONDUIT, AND WIRE SIZE.

KEY PLAN

100% COMPLETE

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SEPTEMBER 4, 2025

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Caleb W. Leonard; FL. PE No.91782

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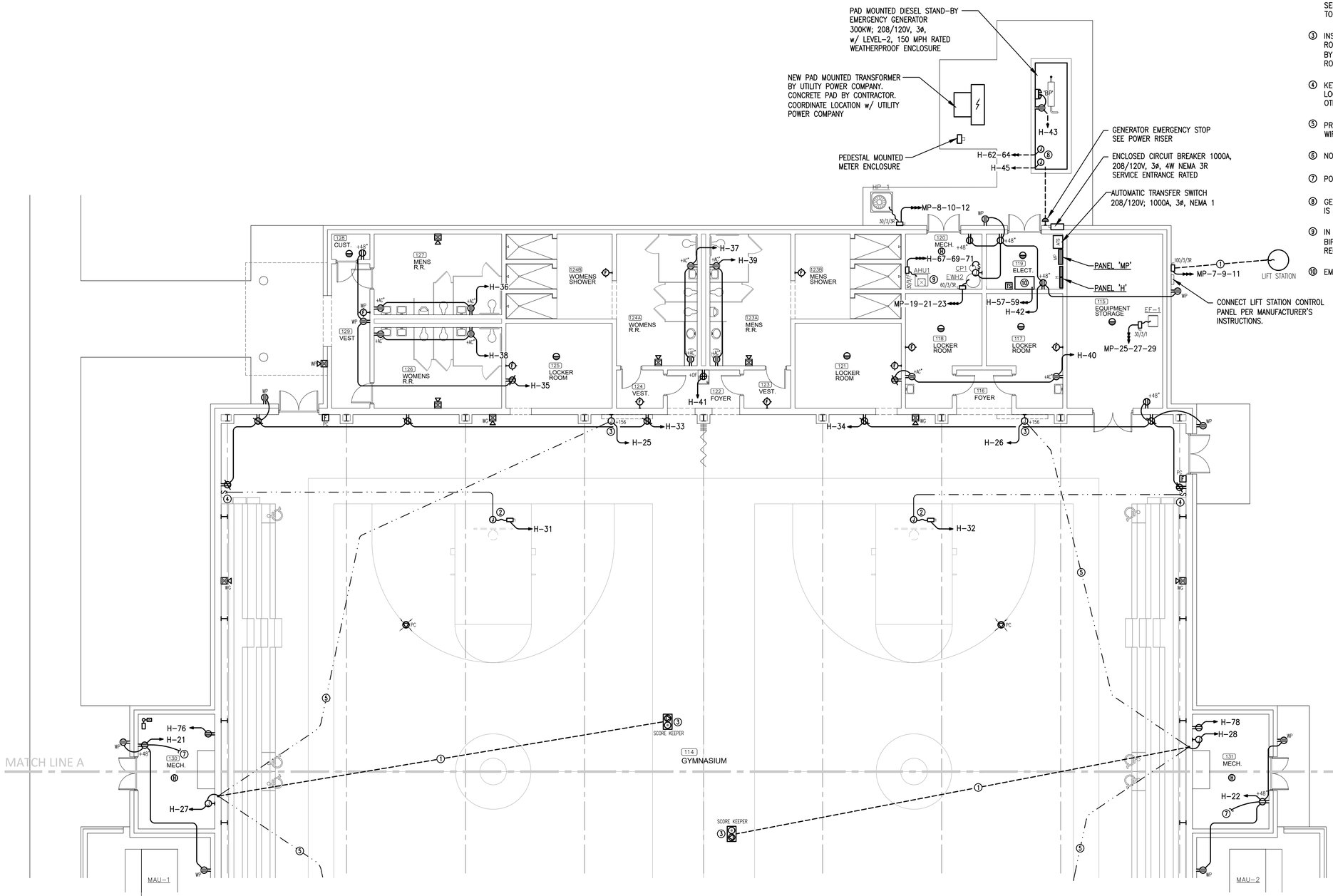
SHEET TITLE: SOUTH FLOOR PLAN - POWER

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

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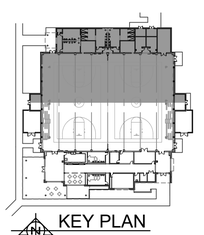


KEYNOTES

1. ROUTE CONDUIT IN OR UNDER CONCRETE SLAB OR BELOW GRADE.
2. INSTALL JUNCTION BOX AND CONTROL WIRING FOR GOAL HOIST SYSTEM. CONCEAL CONDUIT ALONG ROOF FRAMING SYSTEM. INSTALL GOAL HOIST CONTROLS (2-GANG BOX) AT LOCATION SELECTED BY OWNER/ARCHITECT. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN. INSTALL PER MANUFACTURERS REQUIREMENTS.
3. INSTALL JUNCTION BOX FOR SCOREBOARD POWER AND CONTROLS. ROUTE CONTROL WIRING TO SCOREKEEPERS LOCATIONS AS SELECTED BY OWNER/ARCHITECT. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN. INSTALL PER MANUFACTURERS REQUIREMENTS.
4. KEYED SWITCH FOR GOAL HOIST SYSTEM. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN. PROVIDE POLYCARBONATE COVER OR OTHER APPROPRIATE PHYSICAL PROTECTION.
5. PROVIDE CONDUIT W/ PULL-RIBBON FOR SCOREBOARD CONTROL WIRING AS PER MANUFACTURERS REQUIREMENTS.
6. NOT USED THIS SHEET
7. POWER FOR LIGHT FIXTURE SEE LIGHTING PLAN.
8. GENERATOR BLOCK HEATER SHALL DE-ACTIVATE WHEN PRIME MOTOR IS OPERATING.
9. IN AHU1, AHU2 & AHU3 CONNECT 120V POWER TO DUCT MOUNTED BIPOLAR IONIZATION UNIT (14 WATTS) CONNECT TO NEAREST RECEPTACLE CIRCUIT.
10. EMERGENCY LIGHTING INVERTER, REFER TO SCHEDULE.

GENERAL NOTE
REFER TO MECHANICAL SCHEDULE FOR DISCONNECT, CONDUIT, AND WIRE SIZE.

NORTH FLOOR PLAN - POWER
1/8" = 1'-0"



100% COMPLETE

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SEPTEMBER 4, 2025

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SHEET TITLE: NORTH FLOOR PLAN - POWER

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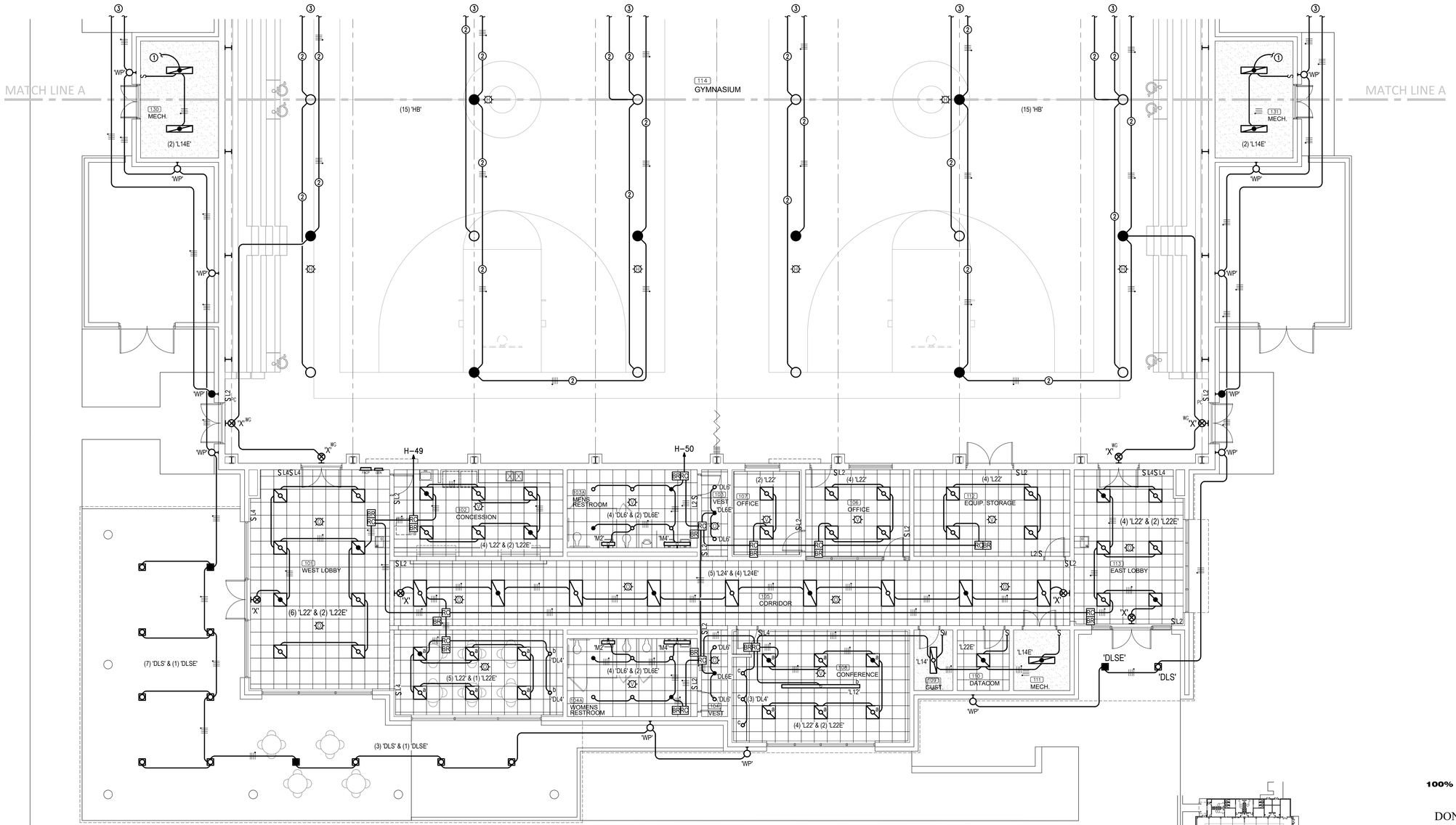
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KEYNOTES

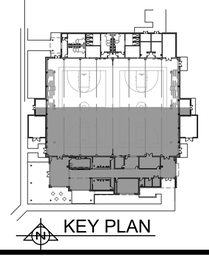
1. CONNECT TO RECEPTACLE FOR POWER SEE POWER PLAN.
2. USE 2 #10 & 1 #10 GND IN 3/4" CONDUIT FOR HIGH BAY LIGHTS.
3. REFER TO NORTH LIGHTING PLAN FOR CONTINUATION.



SOUTH FLOOR PLAN - LIGHTING

1/8" = 1'-0"

0 4' 8' 16'



KEY PLAN

100% COMPLETE

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SEPTEMBER 4, 2025

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SHEET TITLE: SOUTH FLOOR PLAN - LIGHTING

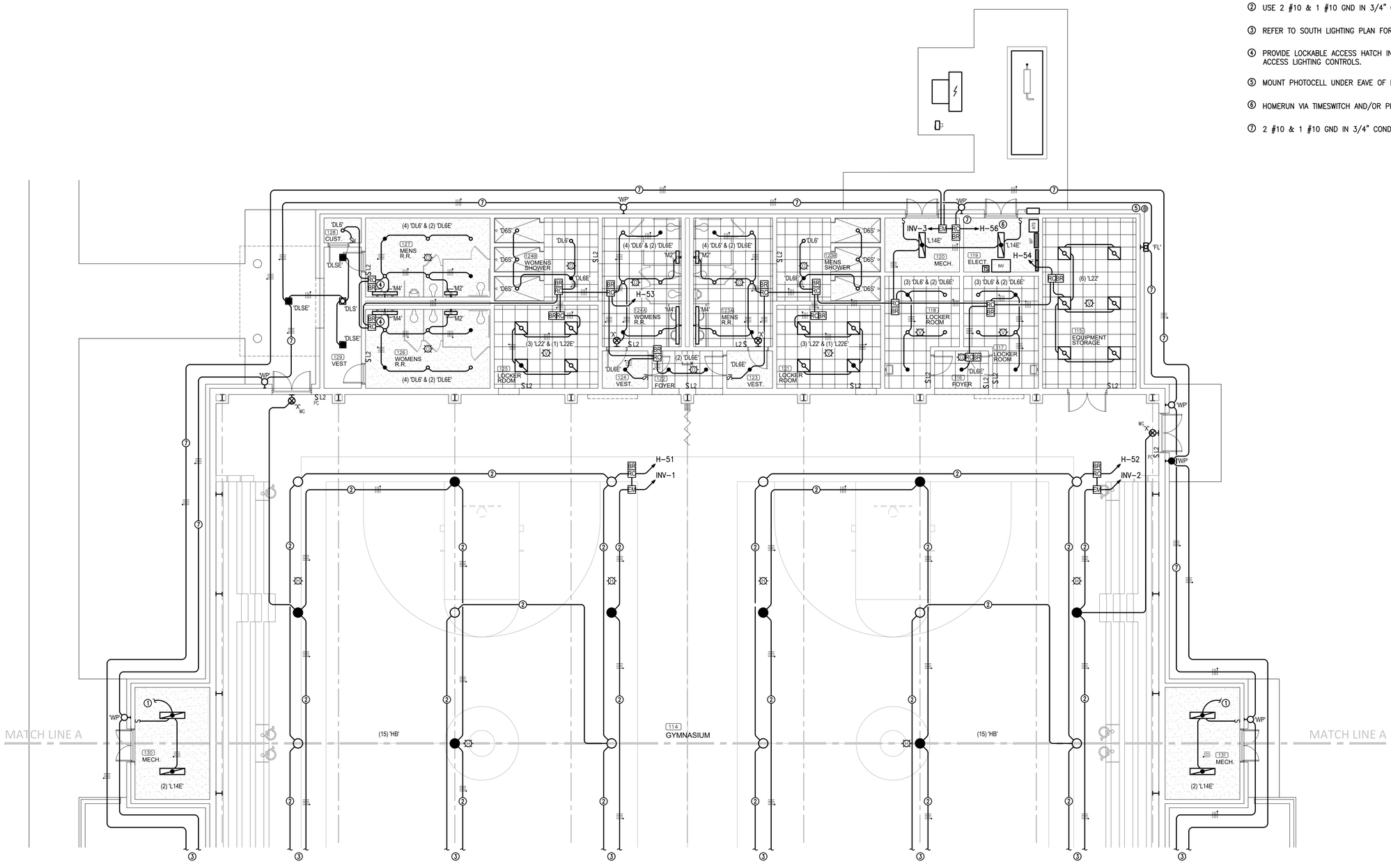
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E-4.1

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KEYNOTES

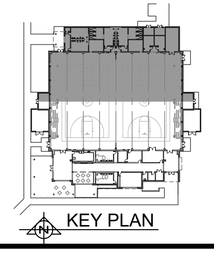
1. CONNECT TO RECEPTACLE FOR POWER SEE POWER PLAN.
2. USE 2 #10 & 1 #10 GND IN 3/4" CONDUIT FOR HIGH BAY LIGHTS.
3. REFER TO SOUTH LIGHTING PLAN FOR CONTINUATION.
4. PROVIDE LOCKABLE ACCESS HATCH IN THE DRYWALL CEILING TO ACCESS LIGHTING CONTROLS.
5. MOUNT PHOTOCELL UNDER EAVE OF ROOF FACING NORTH.
6. HOMERUN VIA TIMESWITCH AND/OR PHOTOCELL.
7. 2 #10 & 1 #10 GND IN 3/4" CONDUIT FOR VOLTAGE DROP.



NORTH FLOOR PLAN - LIGHTING

1/8" = 1'-0"

0 4' 8' 16'



100% COMPLETE

DONOFRO ARCHITECTS

NOT FOR CONSTRUCTION
SEPTEMBER 4, 2025

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25023 Job No.

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SHEET TITLE: NORTH FLOOR PLAN - LIGHTING

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

JOB NUMBER: M-2024-18
DATE: SEPT 4, 2025
DRAWN BY: BS
CHECKED BY: DW

SHEET No.
E-4.2

BSOLOMAN - 12:31 PM - J:\Current Jobs\Jobs-2525923 - City of Marianna Gym\Drawings\WorkingSet\Sheets\E4-2 NORTH FLOOR PLAN - LIGHTING.dwg

POWER PANEL

PANEL MP

SYSTEM 208/120V 3Φ 4W
RATING 1000A M.L.O. 42,000 AIC MINIMUM
ENCLOSURE NEMA 1 SURFACE MOUNT
OPTIONS BOLTON BREAKERS

CKT #	SERVING	CKT BKR TRIP	CKT BKR POLE	CONNECTED LOAD (VA)		CKT BKR POLE	CKT BKR TRIP	SERVING	CKT #
1	MIXED AIR UNIT - MAU1	200	3	52239	52239	3	200	MIXED AIR UNIT - MAU2	2
3	----	--	-	---	---	-	--	----	4
5	----	--	-	---	---	-	--	----	6
7	LIFT STATION - LS1 *	100	3	22192	5980	3	25	HEAT PUMP - HP1	8
9	----	--	-	---	---	-	--	----	10
11	----	--	-	---	---	-	--	----	12
13	HEAT PUMP - HP2	35	3	8214	8214	3	35	HEAT PUMP - HP3	14
15	----	--	-	---	---	-	--	----	16
17	----	--	-	---	---	-	--	----	18
19	WATER HEATER - EWH2	45	3	12300	4500	3	20	WATER HEATER - EWH1	20
21	----	--	-	---	---	-	--	----	22
23	----	--	-	---	---	-	--	----	24
25	EXHAUST FAN - EF1	15	3	865	865	3	15	EXHAUST FAN - EF2	26
27	----	--	-	---	---	-	--	----	28
29	----	--	-	---	---	-	--	----	30
31	SPACE ONLY (400A 3P FRAME)	--	3	---	---	3	--	SPACE ONLY (225A 3P FRAME)	32
33	----	--	-	---	---	-	--	----	34
35	----	--	-	---	---	-	--	----	36
37	SURGE PROTECTIVE DEVICE	60	3	0	90700	3	300	PANEL 'H'	38
39	----	--	-	---	---	-	--		40
41	----	--	-	---	---	-	--		42

TOTAL CONNECTED LOAD = 258308 VA / 360 = 717.5 A

NOTES:
* VERIFY EXACT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN.

POWER PANEL

PANEL H

SYSTEM 208/120V 3Φ 4W
RATING 300A M.L.O. 22,000 AIC MINIMUM
ENCLOSURE NEMA 1 SURFACE MOUNT
OPTIONS BOLTON BREAKERS; TWO SECTION

CKT #	SERVING	CKT BKR TRIP	CKT BKR POLE	CONNECTED LOAD (VA)		CKT BKR POLE	CKT BKR TRIP	SERVING	CKT #
1	REC - WEST LOBBY	20	1	1080	540	1*	20	FIRE ALARM CIRCUIT (FACP)	2
3	REC - WEST LOBBY SNACK BAR	20	1	900	1200	1	20	REC - CONCESSION	4
5	REC - CONCESSION - REF	20	1	1200	1200	1	20	REC - CONCESSION - FREEZ	6
7	REC - CONCESSION	20	1	1200	1200	1	20	REC - CONCESSION - MICROWAVE	8
9	REC - CONCESSION	20	1	1200	800	1	20	REC - WEST LOBBY - EWC	10
11	REC - MENS RESTROOM	20	1	1200	900	1	20	REC - OFFICE	12
13	REC - WOMENS RESTROOM	20	1	1200	900	1	20	REC - OFFICE	14
15	REC - CONFERENCE	20	1	1080	1260	1	20	REC - EAST LOBBY	16
17	REC - CONFERENCE	20	1	1080	600	1	20	REC - DATACOM	18
19	REC - GYM - SW	20	1	900	900	1	20	REC - GYM - SE	20
21	REC - WEST MECH RM	20	1	586	586	1	20	REC - EAST MECH RM	22
23	REC - SCOREBOARD SW **	20	1	800	800	1	20	REC - SCOREBOARD SE **	24
25	REC - SCOREBOARD NE **	20	1	800	800	1	20	REC - SCOREBOARD SE **	26
27	REC - WEST SCORE KEEPER **	20	1	720	720	1	20	REC - EAST SCORE KEEPER **	28
29	REC - GOAL WINCH SW **	20	1	1200	1200	1	20	REC - GOAL WINCH SE **	30
31	REC - GOAL WINCH NW **	20	1	1200	1200	1	20	REC - GOAL WINCH NE **	32
33	REC - GYM - NW	20	1	900	900	1	20	REC - GYM - NE	34
35	REC - LOCKER ROOM - CUST	20	1	540	1200	1	20	REC - MEN RR	36
37	REC - WOMEN LOCKER RM	20	1	1200	1200	1	20	REC - WOMEN RR	38
39	REC - MEN LOCKER RM	20	1	1200	720	1	20	REC - EQUIP STORAGE	40
41	REC - FOYER - EWC	20	1	800	900	1	20	REC - ELECT RM	42
43	REC - GENERATOR LIGHT & RECEPTACLE	20	1	320	800	1	20	REC - EAST LOBBY - EWC	44
45	REC - GENERATOR BATTERY CHARGER	20	1	320	1320	1	20	REC - CONCESSION - ICE MAKER **	46
47	REC - CURTAIN MOTOR **	20	1	1200	---	1	20	SPARE	48
49	LTS - WEST & EAST LOBBY - CONCESSION - CORRIDOR	20	1	1137	1172	1	20	LTS - RESTROOMS - OFFICES - CONFERENCE	50
51	LTS - WEST GYM COURT	25	1	1822	1822	1	25	LTS - EAST GYM COURT	52
53	LTS - WEST LOCKER ROOMS	20	1	798	852	1	20	LTS - EAST LOCKER ROOMS	54
55	LTS - EXTERIOR PARKING AREA	20	1	816	648	1	20	LTS - EXTERIOR BUILDING	56
57	EMERGENCY LIGHTING INVERTER	20	2	1752	2288	2	30	MINI SPLIT HEAT PUMP -MHP1 / WM1	58
59	----	--	-	---	---	-	--	----	60
61	AIR HANDLER UNIT - AHU2	35	3	9938	1500	2	30	GENERATOR BLOCK HEATER **	62
63	----	--	-	---	---	-	--	----	64
65	----	--	-	---	---	1	20	SPARE	66
67	AIR HANDLER UNIT - AHU1	30	3	9145	9938	3	35	AIR HANDLER UNIT - AHU3	68
69	----	--	-	---	---	-	--	----	70
71	----	--	-	---	---	-	--	----	72
73	REC - DATACOM	20	1	600	600	1	20	REC - DATACOM	74
75	REC - DATACOM	20	1	600	300	1	20	REC - MECH DDC	76
77	SPARE	20	1	---	300	1	20	REC - MECH DDC	78
79	SPARE	20	1	---	---	1	20	SPARE	80
81	SPARE	20	1	---	---	1	20	SPARE	82
83	SPARE	20	1	---	---	1	20	SPARE	84
85	SPACE ONLY	--	-	---	---	-	--	SPACE ONLY	86
87	SPACE ONLY	--	-	---	---	-	--	SPACE ONLY	88
89	SPACE ONLY	--	-	---	---	-	--	SPACE ONLY	90
91	SPACE ONLY	--	-	---	---	-	--	SPACE ONLY	92
93	SPACE ONLY	--	-	---	---	-	--	SPACE ONLY	94
95	SPACE ONLY	--	-	---	0	3	30	SURGE PROTECTIVE DEVICE	96
97	SPACE ONLY	--	-	---	---	-	--	----	98
99	SPACE ONLY	--	-	---	---	-	--	----	100

TOTAL CONNECTED LOAD = 90700 VA / 360 = 251.9 A

NOTES:
* Provide "RED" breaker labeled "FIRE ALARM CIRCUIT", capable of being locked in the 'ON' position. Per NFPA-70 - Article 760.121(B)
** Coordinate equipment requirements and locations prior to ordering and/or rough-in.

MECHANICAL EQUIPMENT COORDINATION SCHEDULE

(VERIFY ALL EQUIPMENT CIRCUIT REQUIREMENTS WITH MANUFACTURERS SHOP DRAWINGS PRIOR TO ROUGH-IN)

EQUIPMENT DESIGNATION	DESCRIPTION	CFM	VOLT	Φ	ELECTRICAL LOAD MOTOR(S) FLA QTY	LARGEST	SUM OF REMAINING	ELECTRIC HEAT KW	OTHER VA	TOTAL CONNECTED VA	PROTECTION MCA	MOCP	SPECIFIED TRIP	POLE	CONDUCTOR / CONDUIT SIZE SETS	CONDUCTORS QTY.	SIZE	GND	CONDUIT	DISC.	REMARKS
AHU-1	AIR HANDLER	1210	208	3	1	5.4		7.2		9145	30	30	30	3	1	4	#10	#10	3/4"	30/3/1	
AHU-2	AIR HANDLER	1885	208	3	1	7.6		7.2		9938	33	35	35	3	1	4	#8	#10	3/4"	60/3/1	
AHU-3	AIR HANDLER	1840	208	3	1	7.6		7.2		9938	32	35	35	3	1	4	#8	#10	3/4"	60/3/1	
HP-1	HEAT PUMP		208	3	1	16.6				5980	17	25	25	3	1	4	#10	#10	3/4"	30/3/3R	
HP-2	HEAT PUMP		208	3	1	22.8				8214	23	35	35	3	1	4	#8	#10	3/4"	60/3/3R	
HP-3	HEAT PUMP		208	3	1	22.8				8214	23	35	35	3	1	4	#8	#10	3/4"	60/3/3R	
MAU-1	MIXED AIR UNIT	5030	208	3	1	145				52239	182	200	200	3	1	4	#3/0	#6	2"	200/3/3R	
MAU-2	MIXED AIR UNIT	5030	208	3	1	145				52239	182	200	200	3	1	4	#3/0	#6	2"	200/3/3R	
MHP-1 / WM-1.1	MINI SPLIT HEAT PUMP	1590	208	1	1	11				2288	11	28	25	2	1	3	#10	#10	3/4"	30/2/3R	
EF-1	EXHAUST FAN	1180	208	3	1	2.4				865	3	15	15	3	1	4	#12	#12	3/4"	30/3/1	
EF-2	EXHAUST FAN	350	208	3	1	2.4				865	3	15	15	3	1	4	#12	#12	3/4"	30/3/1	
										0											
CP-1	CIRCULATING PUMP		120	1	1				44	44			20	1	1	3	#12	#12	3/4"	1P Toggle	
EWH-1	WATER HEATER		208	3				4.5		4500	15.6	20	20	3	1	4	#12	#12	3/4"	30/3/1	
EWH-2	WATER HEATER		208	3				12.3		12300	42.7	45	45	3	1	4	#8	#10	3/4"	60/3/1	
LS-1	LIFT STATION **		208	3	2	30.8	30.8			22192	77	90	100	3	1	4	#3	#8	1-1/4"	100/3/3R	
	GENERATOR BLOCK HEATER **		208	1	1				1500	1500			30	2	1	3	#10	#10	3/4"		
	GOAL HOIST WINCH MOTOR **		120	1	1				1200	1200			20	1	1	2	#12	#12	3/4"		
	CURTAIN WINCH MOTOR **		120	1	1				1200	1200			20	1	1	2	#12	#12	3/4"		

** VERIFY EXACT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN.

KEYNOTES

① INSTALL SURGE SUPPRESSOR WITH 4 #6, 1 #10 GND IN 1" CONDUIT; LEAD LENGTH CANNOT EXCEED UL 1449 2ND EDITION TEST OF 14" – REFER TO SPECIFICATIONS.

② 4 SETS OF 4–250KCMIL CU IN 3" CONDUIT.

③ SEE GROUNDING DETAIL.

④ 4 SETS OF 4–250KCMIL CU & 1 #2/0 CU GND IN 3" CONDUIT.

⑤ 2 SETS OF 4 #1/0 CU & 1 #4 CU GND IN 2" CONDUIT.

⑥ PROVIDE AND INSTALL 1" CONDUIT w/ PULL RIBBON FOR GENERATOR CONTROL WIRING BETWEEN GENERATOR AND AUTOMATIC TRANSFER SWITCH PER MANUFACTURERS REQUIREMENTS.

⑦ INSTALL SURGE SUPPRESSOR WITH 4 #10, 1 #10 GND IN 1" CONDUIT; LEAD LENGTH CANNOT EXCEED UL 1449 2ND EDITION TEST OF 14" – REFER TO SPECIFICATIONS.

Emergency Lighting Inverter

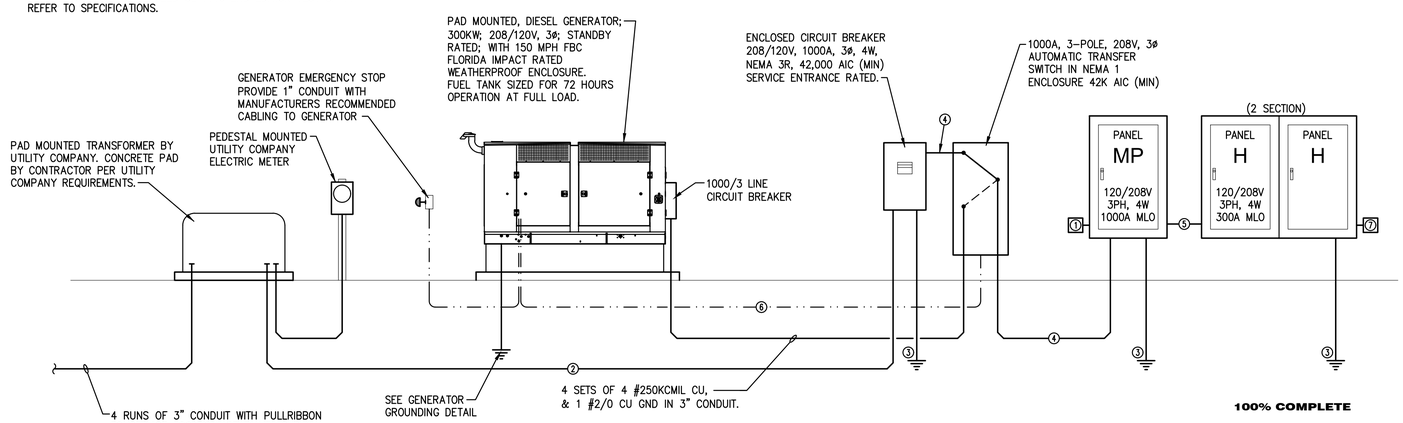
INVERTER

INPUT VOLTAGE 208V OUPUT VOLTAGE 120V
PART NUMBER CHLORIDE#: CHT-JJ-XX-S-0-05A-FSU*
SUPPLY CIRCUIT H-57-59

CKT #	SERVING	CKT BKR TRIP	CKT BKR POLE	CONNECTED LOAD (VA)
1	WEST GYM LIGHTING	20	1	852
2	EAST GYM LIGHTING	20	1	852
3	EXTERIOR EMERGENCY LIGHTING	20	1	48
4	SPARE	20	1	0
5	SPARE	20	1	0

TOTAL CONNECTED LOAD = 1752 VA / 208 VOLT = 8.4 A

NOTES:
* Provide Complete Factory Startup Service.



*** SPECIAL NOTE ***
PROVIDE 'LSI' TRIP UNITS FOR BREAKERS GREATER THAN OR EQUAL TO 200A.

SINGLE LINE POWER RISER DIAGRAM

NOT TO SCALE

100% COMPLETE

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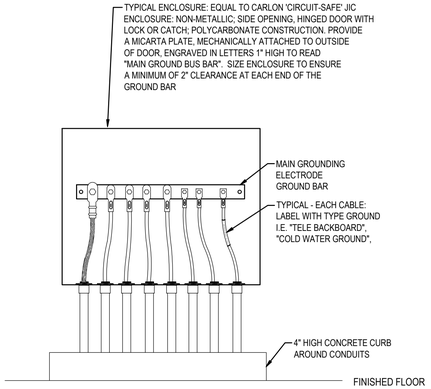
SHEET TITLE: POWER RISER & PANEL SCHEDULES

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
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AT
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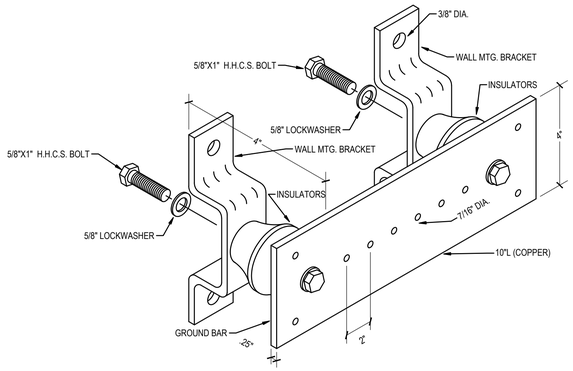
SHEET No.
E-5.1

BSOLOMAN - 12:32 PM - J:\Current Jobs\Jobs-2525023 - City of Marianna Gym\Drawings\Working\Set\Sheets\E5.1 POWER RISER & PANEL SCHEDULES.dwg



GROUNDING SYSTEM TYPICAL ENCLOSURE

NTS

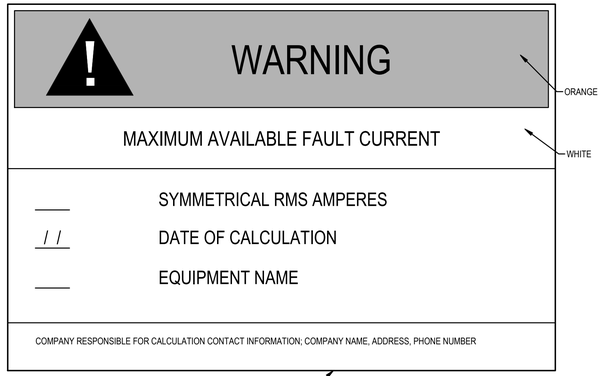


GROUND BAR NOTES

1. INSTALL ONE BAR AT EACH COMMUNICATIONS ROOM.
2. ROUTE 1#4 BARE CU IN 1"CONDUIT FROM GROUND BAR TO BUILDING ELECTRICAL SERVICE ENTRANCE GROUND.
3. CONNECT BARS WITH 1#6 BARE CU IN 1" CONDUIT.

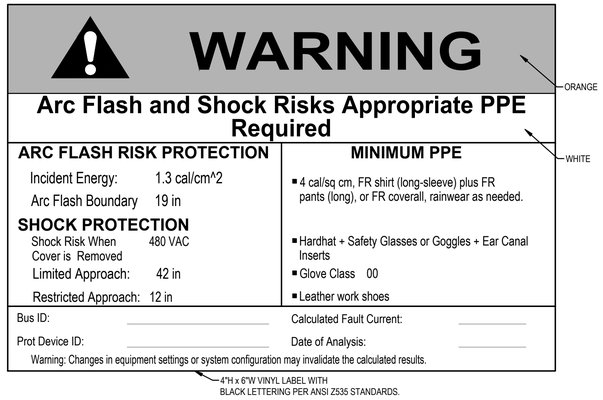
INSULATED GROUNDING BAR DETAIL

NTS



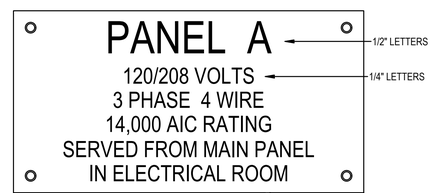
TYPICAL SERVICE EQUIPMENT FAULT CURRENT LABEL DETAIL

NOT TO SCALE



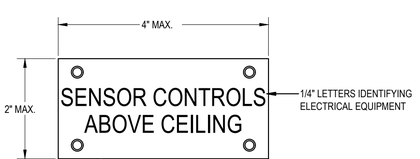
TYPICAL ARC FLASH HAZARD LABEL DETAIL

NOT TO SCALE



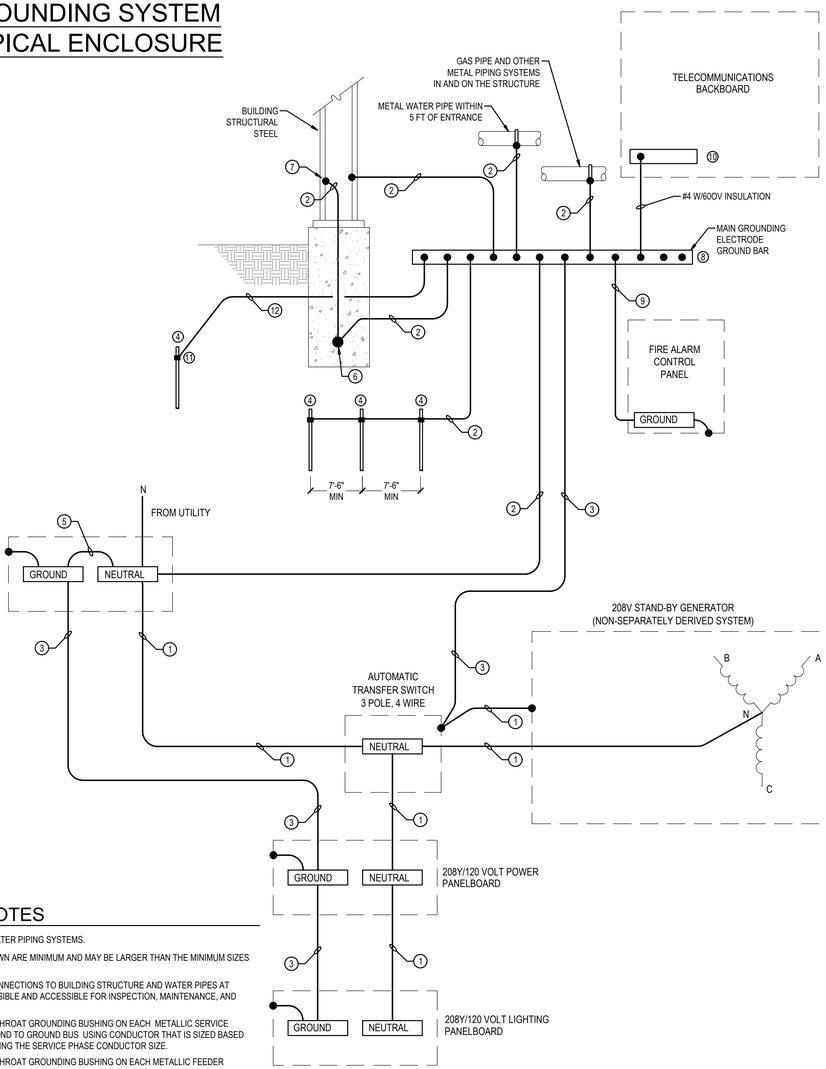
TYPICAL ELECTRICAL EQUIPMENT NAMEPLATE

NOT TO SCALE



TYPICAL ELECTRICAL EQUIPMENT ABOVE CEILING NAMEPLATE

NOT TO SCALE

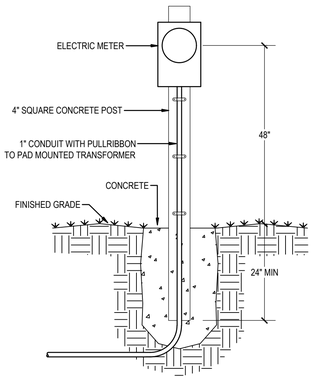


GENERAL NOTES

1. BOND HOT AND COLD WATER PIPING SYSTEMS.
2. CONDUCTOR SIZES SHOWN ARE MINIMUM AND MAY BE LARGER THAN THE MINIMUM SIZES REQUIRED BY NEC.
3. INSTALL GROUNDING CONNECTIONS TO BUILDING STRUCTURE AND WATER PIPES AT LOCATIONS THAT ARE VISIBLE AND ACCESSIBLE FOR INSPECTION, MAINTENANCE, AND TESTING.
4. INSTALL AN INSULATED THROAT GROUNDING BUSHING ON EACH METALLIC SERVICE ENTRANCE CONDUIT. BOND TO GROUND BUS USING CONDUCTOR THAT IS SIZED BASED ON NEC TABLE 250-66 USING THE SERVICE PHASE CONDUCTOR SIZE.
5. INSTALL AN INSULATED THROAT GROUNDING BUSHING ON EACH METALLIC FEEDER CONDUIT. BOND TO GROUND BUS USING CONDUCTOR THAT IS SIZED BASED ON NEC TABLE 250-122 USING THE FEEDER CIRCUIT OVERCURRENT DEVICE SIZE OR THE SEPARATELY DERIVED SYSTEM OVERCURRENT DEVICE SIZE.

208Y/120V GROUNDING SYSTEM DIAGRAM

NTS



PEDESTAL MOUNTED ELECTRIC METER DETAIL

NTS

KEYNOTES

1. INSTALL GROUNDED (NEUTRAL) CONDUCTOR SAME SIZE AS THE LARGEST PHASE CONDUCTOR IF THE LINE-TO-NEUTRAL LOAD EXCEEDS 5% OF THE CONNECTED LOAD. IF NEUTRAL LOAD IS SMALLER, INSTALL THE NEC MINIMUM GROUNDED CONDUCTOR.
2. INSTALL GROUNDING ELECTRODE CONDUCTOR, SIZED BASED ON NEC TABLE 250-66 USING THE SERVICE PHASE CONDUCTOR SIZE, BUT NOT SMALLER THAN NO 4.
3. INSTALL EQUIPMENT GROUNDING CONDUCTOR SIZED BASED ON NEC TABLE 250-122 USING THE FEEDER OVERCURRENT DEVICE SIZE.
4. 10 FOOT MINIMUM X 3/4" DIAMETER COPPER CLAD STEEL SECTIONAL DRIVEN GROUND ROD.
5. INSTALL BONDING JUMPER WIRE THAT IS SIZED BASED ON NEC TABLE 250-66 OR 250.28(D)(1) USING THE SERVICE OR SEPARATELY-DERIVED SYSTEM PHASE CONDUCTOR SIZE.
6. INSTALL A CONCRETE-ENCASED MAIN GROUNDING ELECTRODE IN THE BUILDING FOUNDATION PER NEC ARTICLE 250.52 (A) (3).
7. BOND EACH PERIMETER STRUCTURAL STEEL COLUMN TO THE CONCRETE-ENCASED MAIN GROUNDING ELECTRODE. USE COMPRESSION CONNECTORS THAT MEET IEEE 837 REQUIREMENTS OR USE EXOTHERMIC WELDS.
8. INSTALL A "MAIN GROUND ELECTRODE GROUND BAR" FOR SINGLE POINT GROUNDING. LOCATE AT AN ACCESSIBLE POINT NEAR THE SERVICE ENTRANCE EQUIPMENT. MAKE CONNECTIONS TO THE GROUND ELECTRODE CONDUCTOR USING IRREVERSIBLE CONNECTORS OR EXOTHERMIC WELDS. MAKE OTHER CONNECTIONS TO THE GROUND BAR USING TWO-HOLE COMPRESSION SPADE LUGS THAT MEET IEEE 837 REQUIREMENTS. LABEL EACH CONNECTION TO THE GROUND BAR
9. FIRE ALARM CONTROL PANEL GROUND - #6 COPPER CONDUCTOR.
10. INSTALL A COPPER GROUNDING BAR IN EACH TELECOMMUNICATIONS ROOM. CONNECT TO THE "MAIN GROUNDING ELECTRODE GROUND BAR" USING 600V INSULATED #4 COPPER CABLE AND COMPRESSION SPADE LUGS.
11. LIGHTNING PROTECTION GROUNDING SYSTEM CONNECTION - #4/0 COPPER.
12. BOND THE LIGHTNING PROTECTION SYSTEM GROUNDING SYSTEM TO THE MAIN GROUND ELECTRODE GROUND BAR. USE #4/0 COPPER CABLE WITH 600 VOLT INSULATION. AT THE UNDERGROUND CONNECTION USE A COMPRESSION CONNECTOR THAT MEETS IEEE 837 REQUIREMENTS OR USE AN EXOTHERMIC WELD.

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SHEET TITLE: ELECTRICAL & GROUNDING DETAILS

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JOB NUMBER: M-2024-18
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SHEET No.
E-5.2

100% COMPLETE

DONOFRO ARCHITECTS

NOT FOR CONSTRUCTION
SEPTEMBER 4, 2025

HG ENGINEERS
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25023 Job No.

BSOLOMAN - 12:31 PM - J:\Current Jobs\Jobs-25\25023 - City of Marianna Gym\Drawings\Working\Set\Sheets\E5.2 GROUNDING DETAILS.dwg

LIGHTING FIXTURE SCHEDULE

Project: #25023 - Marianna Gym

Note: Per electrical specifications, required alternate fixtures shall be submitted to the engineer for prior approval a minimum of (10) ten business days prior to bid date. Any required alternate fixtures not submitted for prior approval will not be reviewed.

Luminaire Designation	Manufacturer	Catalog Number	Connected Voltage	Luminaire Load (va)	Lamping Source	Color Rendering Index (CRI)	Kelvin Temperature	Mounting	Comments	Prior Approved Equal Required
BP	H.E. WILLIAMS	EMER/LED- WHT-SDT-D	120v	2	LED	N/A	N/A	INSIDE GENERATOR ENCLOSURE	LED EMERGENCY LIGHT w/ BATTERY	YES
DL4	H.E. WILLIAMS	4PR-TL-L15/840-DIM-UNV-LW-OF-WH-PD-N-F1	120v	17	LED	80	4000K	CEILING RECESSED	4" RECESSED DOWNLIGHT	YES
DL6	H.E. WILLIAMS	6DR-TL-L20/840-UNV-LW-OF-CS-PD-N-F1	120v	20	LED	80	4000K	CEILING RECESSED	6" RECESSED DOWNLIGHT	YES
DL6E	H.E. WILLIAMS	6DR-TL-L20/840-EM/10W-UNV-LW-OF-CS-PD-N-F1	120v	20	LED	80	4000K	CEILING RECESSED	6" RECESSED DOWNLIGHT w/ EMERGENCY BATTERY	YES
D6S	H.E. WILLIAMS	6DR-TL-L20/840-UNV-LW-OF-CS-PD-WETT/CC-N-F1	120v	20	LED	80	4000K	CEILING RECESSED	6" RECESSED DOWNLIGHT, WET LOCATION	YES
DLS	KIRLIN LIGHTING	LRC-10KLD-2000L-120-SKL-WFL-40K-WA	120v	22	LED	80	4000K	CEILING RECESSED	10" SQ RECESSED DOWNLIGHT, WET LOCATION	YES
FL	COOPER LIGHTING	UHBS-1218-MV-L84050-U-WG	120v	121	LED	82	4000K	CEILING STRUCTURE	HIGH BAY w/ WIRE GUARD (18350 LUMENS)	YES
HB	TOPAZ	F-WPC-30W-CTS-FIN-96	120v	30	LED	80	4000K	WALL MOUNT	EXTERIOR SECURITY	YES
L12	H.E. WILLIAMS	MX2D-12'00-L8/840-F-AC/N24-DIM-120	120v	81	LED	80	4000K	CEILING SUSPENDED	12' SUSPENDED LINEAR	YES
L14	H.E. WILLIAMS	39-4-L30/840-A-DRV-UNV	120v	23	LED	80	4000K	CEILING SURFACE	1' x 4' CEILING SURFACE	YES
L14E	H.E. WILLIAMS	39-4-L30/840-A-EM/10WLP-DRV-UNV	120v	23	LED	80	4000K	CEILING SURFACE	1' x 4' CEILING SURFACE w/ EMERGENCY BATTERY	YES
L22	H.E. WILLIAMS	AT2-22-L30/840-D-DIM-120	120v	30	LED	80	4000K	CEILING RECESSED LAY IN GRID	2' x 2' LAY-IN TROFFER	YES
L22E	H.E. WILLIAMS	AT2-22-L30/840-D-EM/10W-DIM-120	120v	30	LED	80	4000K	CEILING RECESSED LAY IN GRID	2' x 2' LAY-IN TROFFER w/ EMERGENCY BATTERY	YES
L24	H.E. WILLIAMS	AT2-24-L40/840-D-DIM-120	120v	35	LED	80	4000K	CEILING RECESSED LAY IN GRID	2' x 4' LAY-IN TROFFER	YES
L24E	H.E. WILLIAMS	AT2-24-L40/840-D-EM-DIM-120	120v	35	LED	80	4000K	CEILING RECESSED LAY IN GRID	2' x 4' LAY-IN TROFFER w/ EMERGENCY BATTERY	YES
M2	H.E. WILLIAMS	WMA-2-L20/840-AF-DRV-120	120v	16	LED	80	4000K	WALL MOUNT ABOVE MIRROR	2' LINEAR WALL MOUNTED ABOVE MIRROR	YES
M4	H.E. WILLIAMS	WMA-4-L40/840-AF-DRV-120	120v	30	LED	80	4000K	WALL MOUNT ABOVE MIRROR	4' LINEAR WALL MOUNTED ABOVE MIRROR	YES
WP	H.E. WILLIAMS	VWMH-L17/840-TL-WHT-SDGL-120	120v	16	LED	80	4000K	WALL MOUNT	EXTERIOR WALL PACK	YES
X	H.E. WILLIAMS	EXIT/THIN-R-WHT-EM-D	120v	2	LED	N/A	N/A	WALL MOUNT ABOVE DOOR	EXIT SIGN	YES

REFER TO ELECTRICAL SITE PLAN FOR SITE LIGHTING FIXTURES

LIGHTING CONTROL GENERAL NOTES

A. THE DIAGRAMS ARE NOT INTENDED TO SHOW EXACT QUANTITIES OF DEVICES. REFER TO PLAN FOR ESTIMATED DEVICE QUANTITIES AND LOCATIONS.

B. THE LOCAL DEVICE INTERCONNECTIONS FOR ALL LIGHTING CONTROL DEVICES SHALL BE OF THE TOPOLOGY FREE TYPE.

C. COLORS FOR ALL DEVICES AND DEVICE COVERS SHALL BE SELECTED BY THE ARCHITECT.

D. ALL DATA LINE SWITCHES SHALL INCLUDE CUSTOM ENGRAVED LABEL INDICATING FUNCTION OF SWITCH. COORDINATE EXACT LABEL DESCRIPTIONS WITH OWNER PRIOR TO INSTALLATION.

E. PROVIDE ADDITIONAL POWER AND CONTROL MODULES AS RECOMMENDED BY THE SYSTEM SUPPLIER.

F. THE DIAGRAMS REPRESENT A TYPICAL SYSTEM AND ARE NOT INTENDED FOR INSTALLATION, SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS.

G. ELECTRICAL CONTRACTOR SHALL COORDINATE FIELD PROGRAMMING OF LIGHTING CONTROL SYSTEM WITH SYSTEM PROGRAMMER, SPECIFYING ENGINEER, AND OWNER TO ENSURE PROPER OPERATION AND TIME SCHEDULES.

H. ALL EMERGENCY AND EXIT LIGHTING CIRCUITS SHALL BE CONNECTED TO CONTINUOUS POWER SOURCE AHEAD OF RELAY PANEL OR INDIVIDUAL RELAY COMPONENTS.

I. INSTALL ALL CEILING SENSORS MINIMUM OF 6FT CLEAR OF DUCT REGISTERS.

J. THE LIGHTING CONTROL AND EMERGENCY LIGHTING SYSTEMS SHALL BE CAPABLE OF BEING ACCESSED VIA THE LOCAL AREA NETWORK AND REMOTELY VIA AUTHORIZED PERSONNEL ONLY.

K. PROGRAMMER / COMMISSIONING AGENT SHALL BE CERTIFIED BY THE EQUIPMENT MANUFACTURER ON THE SYSTEM INSTALLED.

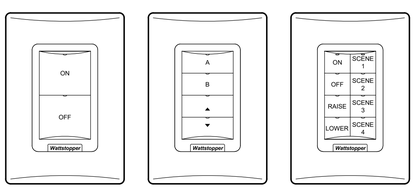
L. THE MANUFACTURER CERTIFIED TECHNICIAN WILL MEET ONSITE WITH THE ELECTRICAL CONTRACTORS TO COORDINATE INSTALLATION DETAILS, REVIEW BEST PRACTICES, AND DISCUSS PROJECT SPECIFIC CHALLENGES; PRIOR TO THE INSTALLATION BEING STARTED, ENABLING THE CONTRACTORS TO WORK WITH THE TECHNICIAN TO PREPARE AND MAKE CHANGES UP FRONT.

M. THE MANUFACTURER'S LIGHTING SYSTEMS TEAM SHALL WORK ONSITE AFTER FIXTURE AND CONTROLS INSTALLATION IS COMPLETED. THE MANUFACTURER'S AGENT IS TO VERIFY THE PROJECT IS REVIEWED AND CHECKED FOR PROPER WIRING, INSTALLATION AND FUNCTIONALITY OF THE SYSTEM AS A WHOLE. ANY PROBLEMS SHALL BE ADDRESSED AND RESOLVED WITH THE ONSITE CONTRACTORS.

N. MANUFACTURER'S TECHNICIANS SHALL MAP OUT THE FIXTURE LOCATIONS AND ADDRESSES WITHIN THE LIGHTING CONTROL SOFTWARE. ASTRONOMIC TIMECLOCK EVENTS, SCENES, AND SCHEDULES ARE PROGRAMMED ACCORDING TO A PRE-DEFINED SCRIPT. THESE EVENTS, SCENES, AND SCHEDULES ARE TESTED AND FINALIZED FOR FINAL APPROVAL BY THE PROJECT'S OWNERSHIP.

O. MANUFACTURER'S TECHNICIANS SHALL PROVIDE TRAINING FOR SYSTEM USERS AND THE SYSTEM MAINTENANCE TEAM. THE DETAILS OF THE TECHNOLOGY SHALL BE COVERED FROM A MAINTENANCE AND TROUBLESHOOTING POINT OF VIEW. THIS COVERS THE LIGHTING CONTROL SYSTEM AND ITS CORE FUNCTIONALITY, WITH A FOCUS ON HOW TO EDIT EXISTING SCENES AND ASTRONOMIC LIGHTING EVENTS.

P. THE MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE IN-DEPTH TRAINING TO THE END USER ON MANAGING THE SPECIFIC CONTROL SYSTEM, GIVING THEM THE TOOLS AND KNOWLEDGE TO OPERATE THEIR SYSTEM.



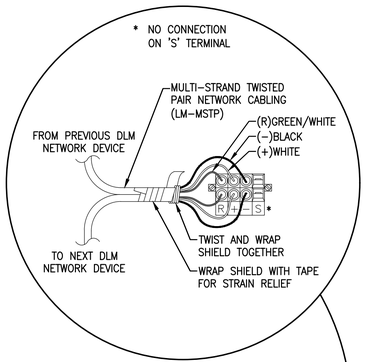
TYPICAL SWITCH BUTTON LABELING
DEFAULT OPTIONS
NOT TO SCALE

DETAIL NOTES

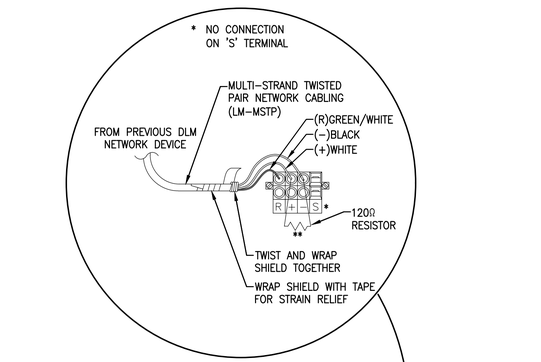
1. SWITCH BUTTON LABELING INDICATES A DEFAULT SCHEME. OWNER TO PROVIDE ACTUAL LABELING DURING THE CONSTRUCTION PHASE OF THIS PROJECT. IF THE OWNER DOES NOT MAKE ANY DECISION, THEN THE DEFAULT LABELING MAY BE UTILIZED. VERIFY WITH OWNER PRIOR TO PROCEEDING WITH ORDERING OF ANY AND ALL BUTTON ENGRAVING. REFER TO SPECIFIC DETAILS FOR ROOM SPACE LABELING REQUIREMENTS.

Lighting Space and Zones / Sequence of Operations / Low Voltage Switch Matrix

Space Type	Room Number	ZONE OF CONTROL Description	Designator	Manual On	Manual Off	Dimming	Multi-Level Control	Timeclock On	Timeclock Off	Occupancy Sensor On	Vacancy Sensor Off	Daylight Harvesting	Photo Sensor On	SLa1 (1-Button)	SLb (2-Button)	SLc (3-Button)	SLd (4-Button)	SLe (5-Button)	SL2 (2-Button)	SL4 (4-Button)	SL5 (5-Button)	SL8 (8-Button)	Sm (Integral Sensor, Line	Lighting Control Detail #
				CONTROL SCENARIOS										CONNECT TO NETWORKED ROOM CONTROLLER OR LIGHTING CONTROL PANEL					CONNECT TO NON-NETWORKED LOCAL ROOM CONTROL					
RECEPTION	101	PENDANT	a	X	X	X				X										X				2
		DOWNLIGHTS	b	X	X	X				X														
WEST LOBBY	101			X	X					X									X					1
CONCESSION	102			X	X						X								X					1
SNACK BAR	n/a	2 x 2 TROFFERS	a	X	X	X				X										X				2
		DOWNLIGHTS	b	X	X	X				X														
VESTIBULE	103 & 104			X	X					X									X					1
MENS	103A			X	X						X								X					1
WOMENS	104A			X	X						X								X					1
CORRIDOR	105			X	X					X									X					1
OFFICE	106 & 107			X	X						X								X					1
CONFERENCE	108	2 x 2 TROFFERS	a	X	X	X					X											X		3
		SUSPENDED LINEAR	b	X	X	X					X													
		DOWNLIGHTS	c	X	X	X					X													
CUSTODIAL	109 & 128			X	X																		X	--
EQUIP STORAGE	112 & 115			X	X						X								X					1
EAST LOBBY	113			X	X					X									X					1
GYMNASIUM	114			X	X	X				X										X				4
FOYER	116 & 122			X	X					X									X					1
LOCKER ROOM	117 & 118			X	X						X								X					1
LOCKER ROOM	121 & 125			X	X						X								X					1
VESTIBULE	123 & 124			X	X																		X	--
MEN RR & SHOWERS	123A & 123B			X	X					X									X					1
WOMEN RR & SHOWERS	124A & 124B			X	X					X									X					1
RESTROOMS	126 & 127			X	X					X									X					1
Building Exterior																								
EXTERIOR BUILDING	N/A							X	X				X											
SITE PARKING	N/A							X	X				X											



INTERCONNECTION DIAGRAM



END OF LINE DIAGRAM

TYPICAL BRIDGE DEVICE CONNECTION
DETAILS
NOT TO SCALE

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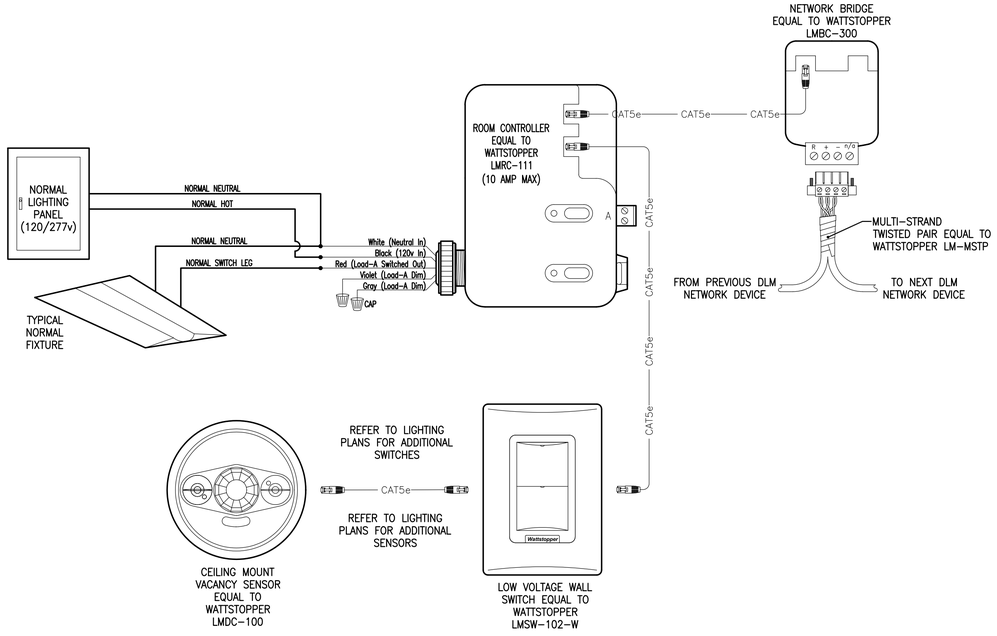
SHEET TITLE: LIGHTING CONTROLS & SCHEDULES

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
MARIANNA, FLORIDA

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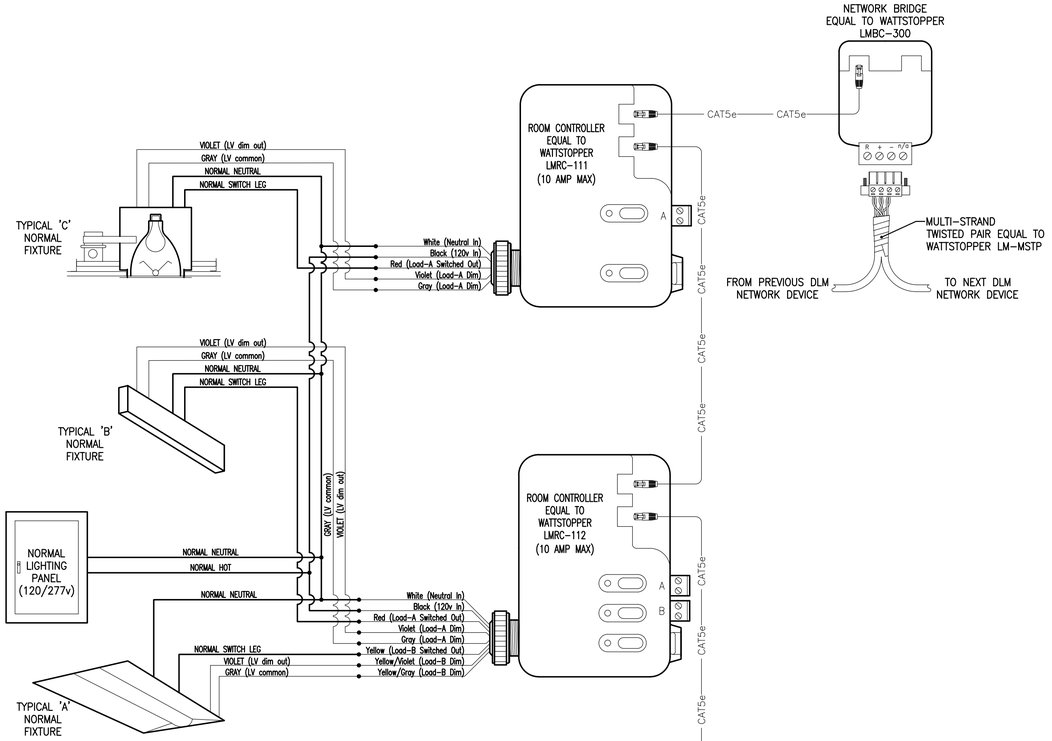
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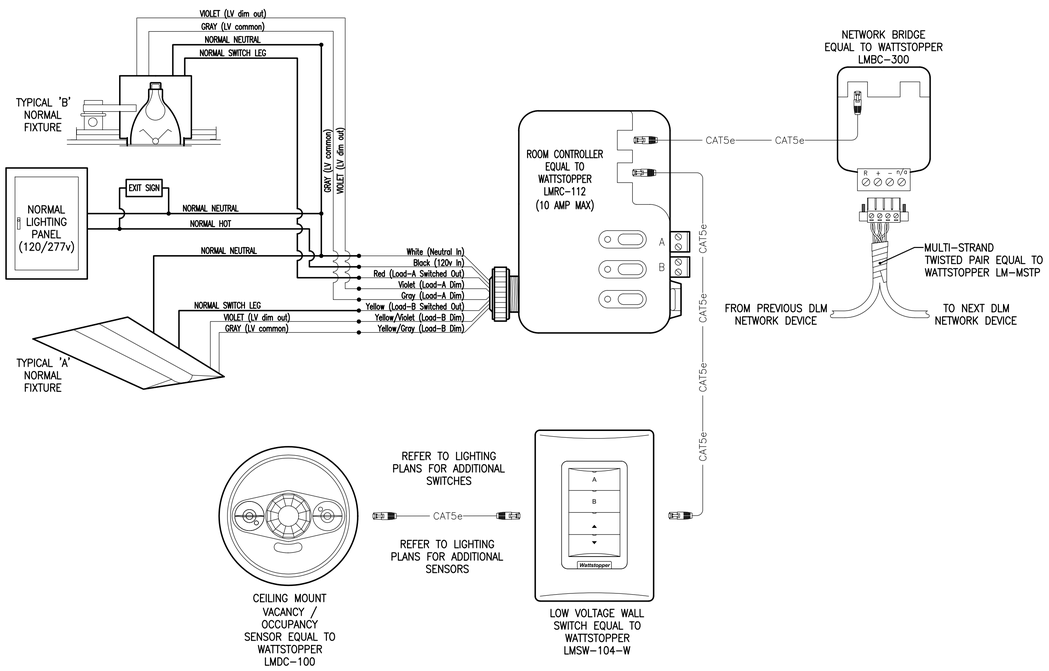
CONTROL DETAIL #1
1 ZONE w/ NO DIMMING

NOT TO SCALE



CONTROL DETAIL #3
CONFERENCE ROOM - 3 ZONES w/ DIMMING

NOT TO SCALE



CONTROL DETAIL #2
GENERAL - 2 ZONES w/ DIMMING

NOT TO SCALE

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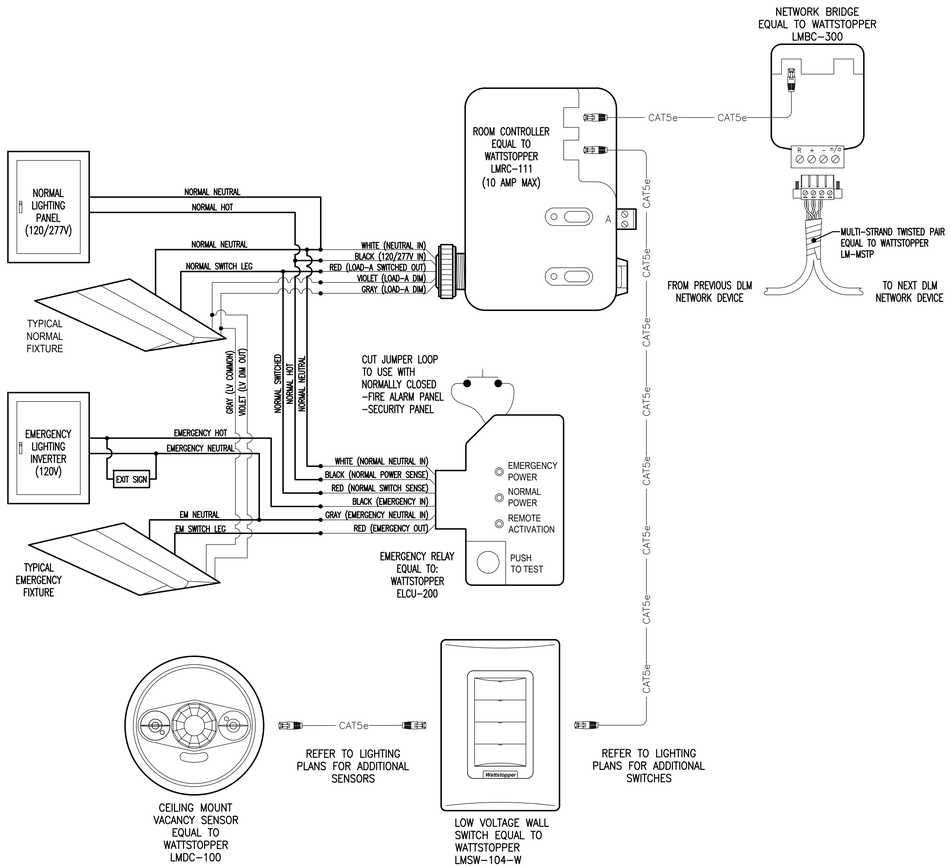
SHEET TITLE: LIGHTING CONTROLS

CITY OF MARIANNA EMERGENCY SHELTER & MULTI-PURPOSE FACILITY
FOR
THE CITY OF MARIANNA
AT
MARIANNA EDUCATION. REC. EXPO. (M.E.R.E.)
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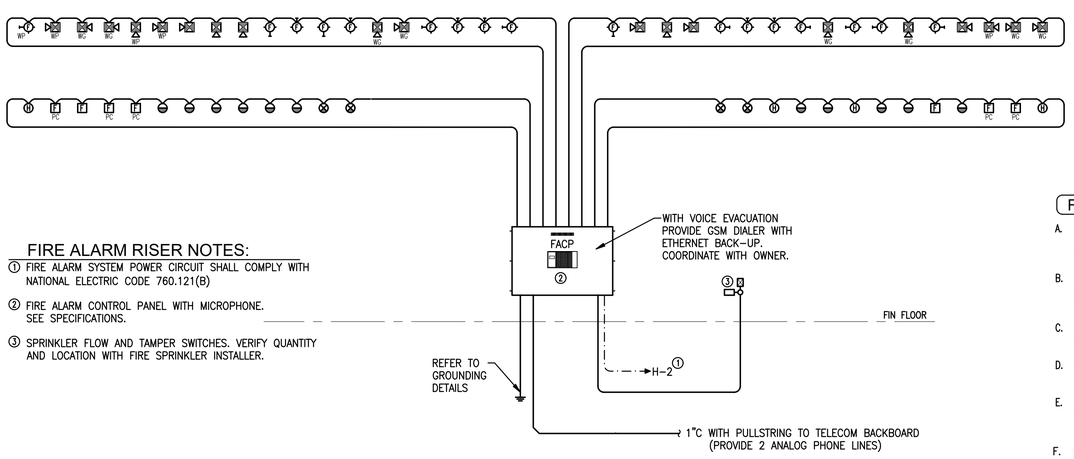
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CONTROL DETAIL #4
GYNASIUM - 1 ZONE w/ DIMMING EMERGENCY LIGHTING

NOT TO SCALE



FIRE ALARM RISER NOTES:

1. FIRE ALARM SYSTEM POWER CIRCUIT SHALL COMPLY WITH NATIONAL ELECTRIC CODE 760.121(B)
2. FIRE ALARM CONTROL PANEL WITH MICROPHONE. SEE SPECIFICATIONS.
3. SPRINKLER FLOW AND TAMPER SWITCHES. VERIFY QUANTITY AND LOCATION WITH FIRE SPRINKLER INSTALLER.

FIRE ALARM SYSTEM RISER DIAGRAM

NOT TO SCALE

LEGEND

FIRE ALARM WIRING

POWER WIRING

FIRE ALARM RISER GENERAL NOTES

A. THIS DIAGRAM IS NOT INTENDED TO SHOW EXACT QUANTITIES OF DEVICES. REFER TO PLAN FOR DEVICE QUANTITIES AND LOCATIONS.

B. THE RISER REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION, SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND WIRING DIAGRAMS.

C. SEE FIRE PROTECTION INSTALLER FOR LOCATIONS AND QUANTITIES OF FLOW AND TAMPER SWITCHES.

D. PROVIDE ADDITIONAL MONITOR AND CONTROL MODULES AS RECOMMENDED BY THE SYSTEM SUPPLIER.

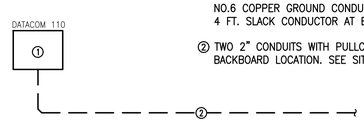
E. FIRE ALARM SYSTEM SHALL HAVE U/L APPROVED DIGITAL ALARM DIALER/COMMUNICATOR TO SEND ALARM SIGNAL TO MONITORING SERVICE.

F. FIRE ALARM SYSTEM LOW VOLTAGE SOURCE AND BATTERY STAND-BY SHALL ENERGIZE ALL ITEMS IN THE FIRE ALARM SYSTEM THAT REQUIRE POWER.

G. REFER TO MECHANICAL DRAWINGS FOR SMOKE AND/OR SMOKE/FIRE DAMPER LOCATIONS. CONNECT TO FIRE ALARM SYSTEM AND TO 120V POWER.

KEYNOTES

1. TELECOMMUNICATIONS BACKBOARD, 4 FT. WIDE x 4 FT. HIGH x 3/4" EXTERIOR PLYWOOD. PAINT TWO COATS FIRE RETARDANT PAINT. INSTALL ONE NO.6 COPPER GROUND CONDUCTOR IN 3/4"C TO BUILDING GROUND, LEAVE 4 FT. SLACK CONDUCTOR AT BACKBOARD.
2. TWO 2" CONDUITS WITH PULLCORD FROM TELECOM ENTRANCE TO TELECOM BACKBOARD LOCATION. SEE SITE PLAN.



TELECOM RISER DIAGRAM

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