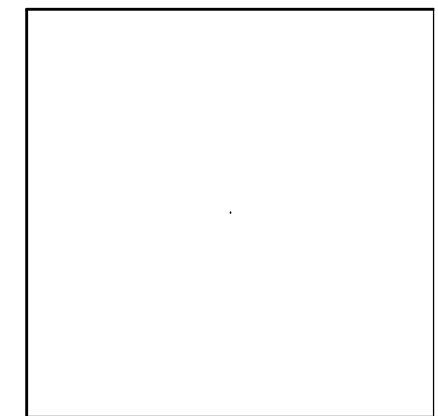
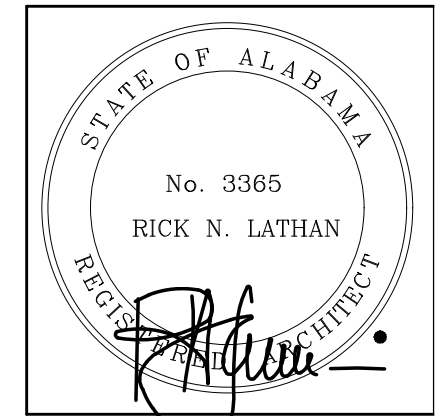


NEW BASEBALL FIELD RESTROOMS FOR ST. CLAIR COUNTY HIGH SCHOOL

16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION



NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION



SHEET TITLE:
TITLE AND INDEX

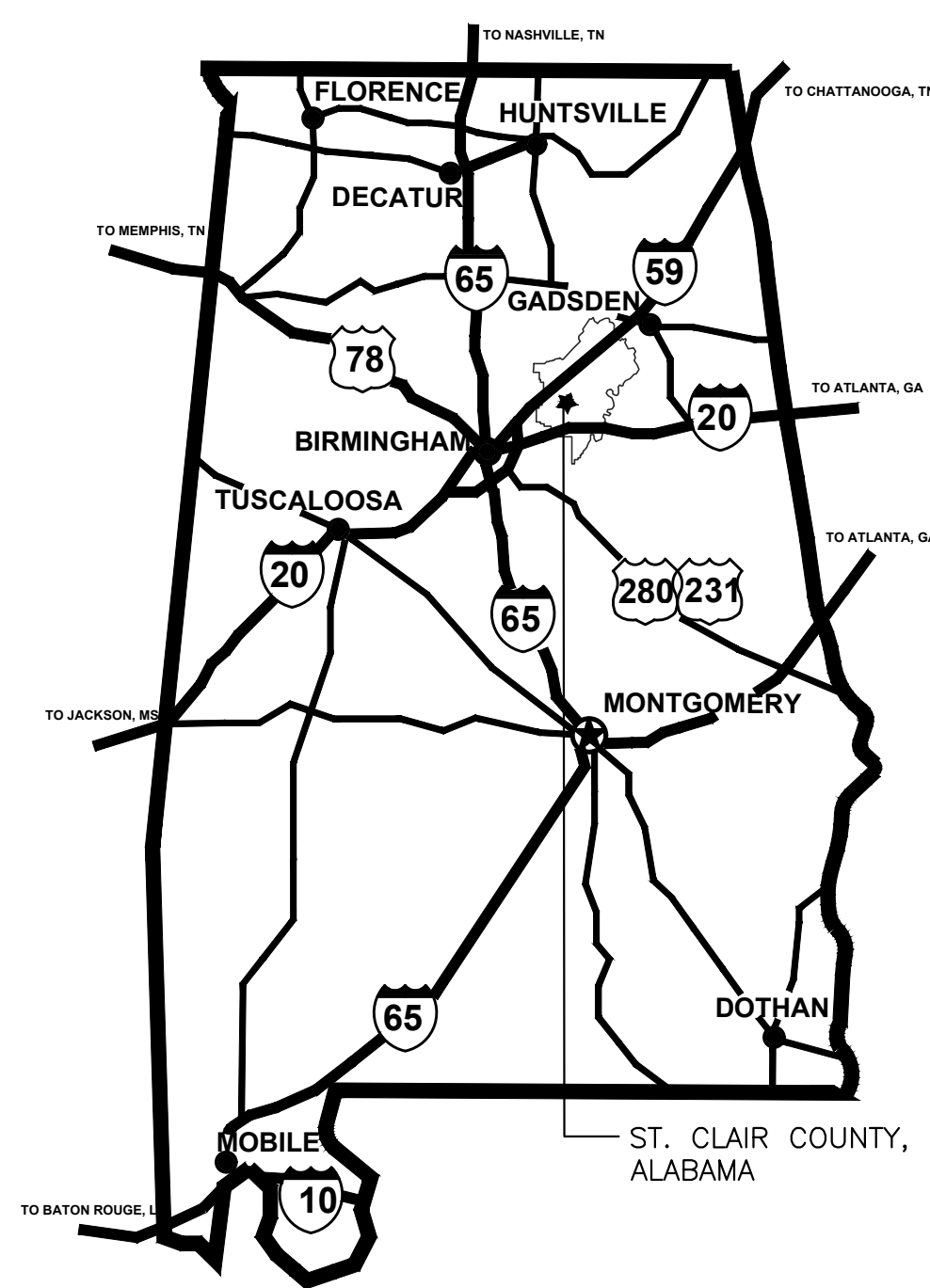
PROJ. MGR.: R. VERNON
DRAWN: K. RENTA
DATE: APRIL, 15 2025
REVISIONS

JOB NO. 25-07
SHEET NO:
T1
1 OF 2
0 1" 2"

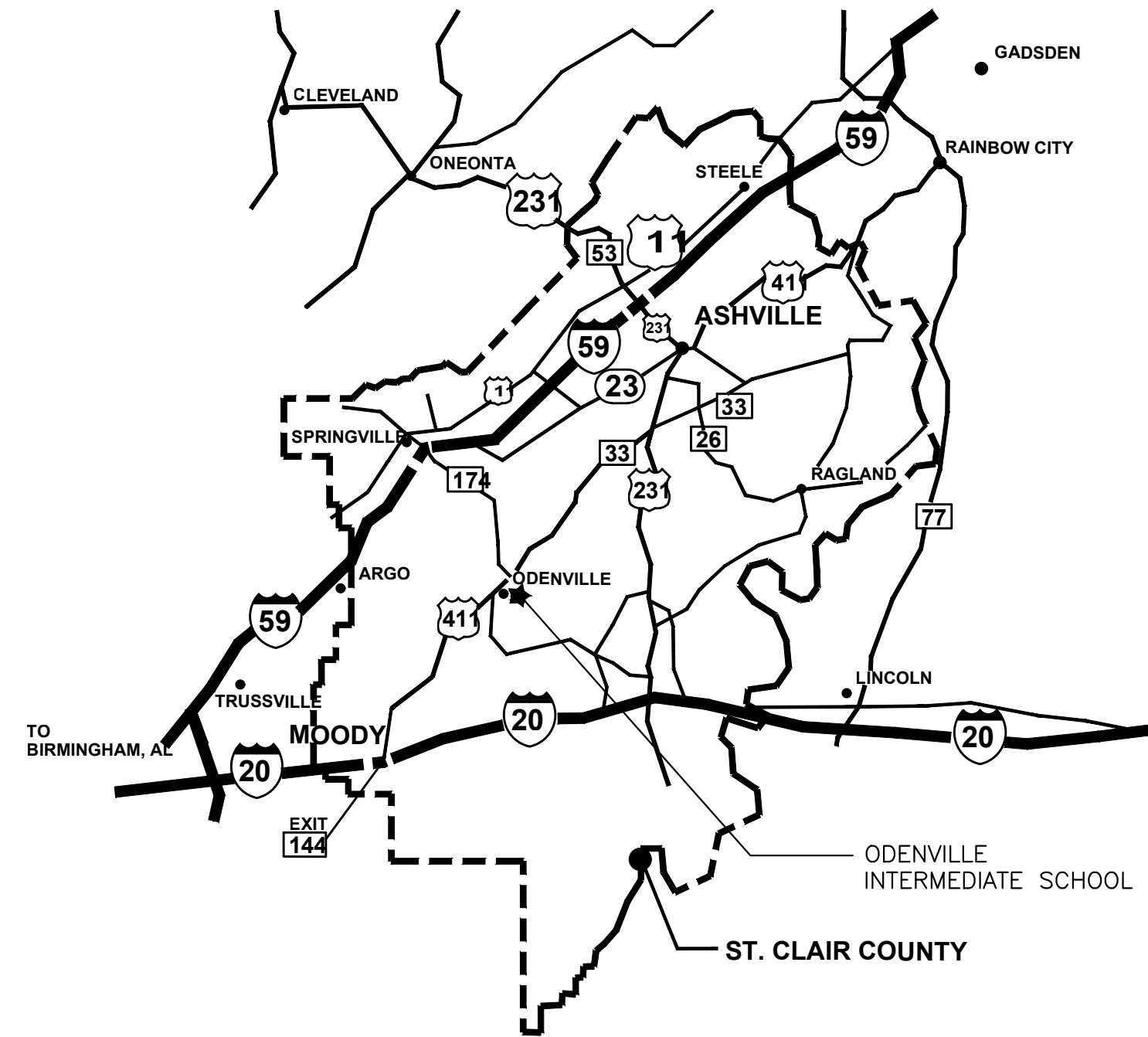
ST. CLAIR COUNTY BOARD OF EDUCATION		OWNER	ST. CLAIR COUNTY BOARD OF EDUCATION 410 ROY DRIVE ASHVILLE, ALABAMA 35953	CIVIL	CCI PLANNING & ENGINEERING 3528 VANN ROAD SUITE 105 BIRMINGHAM, ALABAMA 35235-3271	STRUCTURAL	STRUCTURAL DESIGN GROUP, INC. 300 CHASE PARK SOUTH SUITE125 HOOVER, ALABAMA 35244
MR. SCOTT SUTTLE	PRESIDENT	ARCHITECT	LATHAN ASSOCIATES ARCHITECTS, P.C. 300 CHASE PARK SOUTH SUITE 200 HOOVER, ALABAMA 35244 EMAIL: RFI@LATHANASSOCIATES.COM	MECHANICAL / PLUMBING	DEWBERRY ENGINEERS, INC. RIVERCHASE OFFICE PLAZA #2 SUITE 205 HOOVER, ALABAMA 35244	ELECTRICAL	STEWART ENGINEERING, INC. P.O. BOX 2233 ANNISTON, ALABAMA 36202
MS. ALLISON GRAY	VICE PRESIDENT						
MRS. CATHY FINE	BOARD MEMBER						
MRS. NICKIE STEVENS VANPELT	BOARD MEMBER						
MR. BOGIE LOVELL	BOARD MEMBER						
MR. BILL MORRIS	BOARD MEMBER						
MR. RANDY THOMPSON	BOARD MEMBER						
DR. JUSTIN BURNS	SUPERINTENDENT						

DRAWING INDEX (SET - 25 TOTAL SHEETS)

GENERAL	(2 SHEETS)	PLUMBING DRAWINGS	(2 SHEETS)
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CIVIL DRAWINGS	(3 SHEETS)	MECHANICAL DRAWINGS	(3 SHEETS)
C-1.0 - LAYOUT PLAN C-2.0 - GRADING, STORM DRAINAGE & UTILITIES C-3.0 - SURVEY FROM ARRINGTON (FOR INFORMATION ONLY)		M0.1 - MECHANICAL LEGEND AND SCHEDULES M0.2 - MECHANICAL DETAILS AND CONTROLS M1.0 - MECHANICAL FLOOR PLANS, OSA & ASHRAE CALCULATIONS	
ARCHITECTURAL DRAWINGS	(7 SHEETS)	ELECTRICAL DRAWINGS	(1 SHEETS)
A1 - FLOOR PLAN A2 - ROOF PLAN, DETAILS, AND LEGENDS A3 - DOOR SCHEDULE AND DETAILS A4 - BUILDING ELEVATIONS AND SECTIONS A5 - WALL SECTIONS A6 - ENLARGED TOILET PLANS, INTERIOR ELEVATIONS AND DETAILS A7 - REFLECTED CEILING PLAN, FINISH FLOOR PLANS, DETAILS, LEGENDS, AND SCHEDULES		E1.1 - SCHEDULES, SYMBOLS, AND NOTES	
STRUCTURAL DRAWINGS	(7 SHEETS)		
S1.1 - GENERAL NOTES S1.2 - TYPICAL DETAILS S1.3 - TYPICAL DETAILS S2.1 - FOUNDATION PLAN S2.2 - ROOF FRAMING PLAN S3.1 - SECTIONS AND DETAILS S3.2 - SECTIONS AND DETAILS			



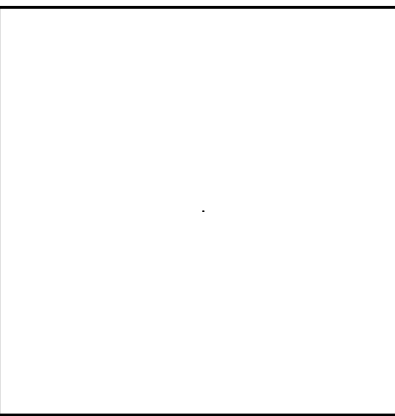
AREA MAP
STATE OF ALABAMA



VICINITY MAP
ST. CLAIR COUNTY, ALABAMA



NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION



SHEET TITLE:
LIFE SAFETY PLAN

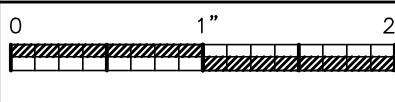
PROJ. MGR.: R. VERNON
DRAWN: HR
DATE: APRIL, 15 2025
REVISIONS

JOB NO. 25-07

SHEET NO:







LS1

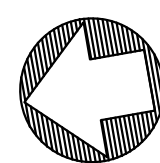
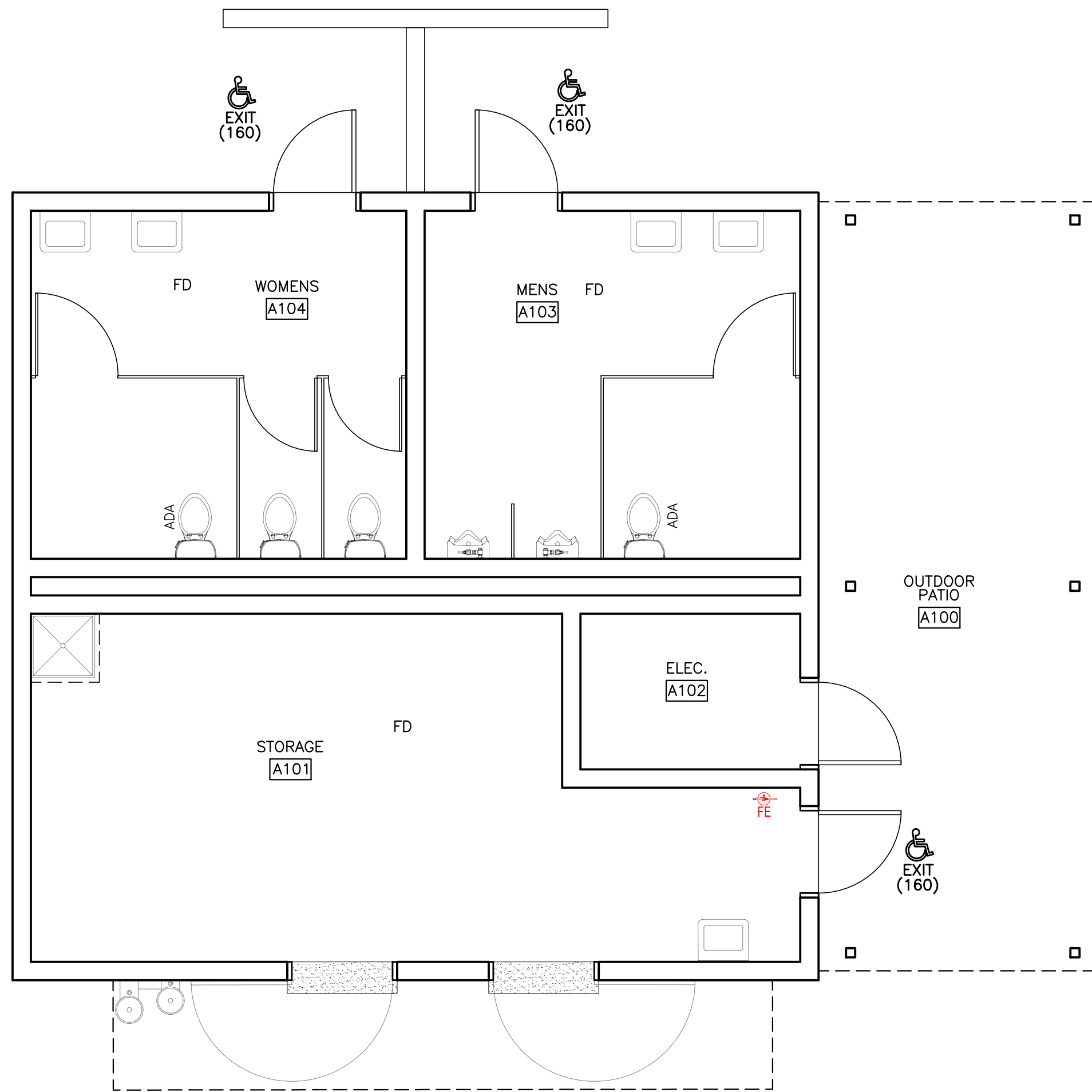
2 OF 2



2021 IBC POST RENOVATION AND ADDITION BUILDING DATA					
OCCUPANCY CLASSIFICATION:		GROUP B			
TYPE OF CONSTRUCTION:		GROUP B - TYPE VB (NS)			
BUILDING AREA:		785 S.F.			
TABLE 504.4 ALLOWABLE NUMBER OF STORIES:		ALLOWABLE STORIES: 2	ACTUAL STORIES: 1		
TABLE 506.2 ALLOWABLE AREA:		AREA FACTOR: NS	9,000 S.F.		
TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:		CONSTRUCTION TYPE: VB			
		STRUCTURAL FRAME: 0			
		BEARING WALLS:			
			EXTERIOR:	0	
			INTERIOR:	0	
		NONBEARING WALLS:			
			EXTERIOR:	SEE 705.5	
			INTERIOR:	0	
		FLOOR CONSTRUCTION:			0
		ROOF CONSTRUCTION:			0
TABLE 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS:		OCCUPANCY:		GROUP A3 AND B	
		SEPARATION DISTANCE:	< 5'	1	
			≥ 5' < 10'	1	
			≥ 10' < 30'	0	
			≥ 30'	0	
TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING PARTITIONS AND OPENING PROTECTIVES		GROUP B UNSPRINKLERED 0			

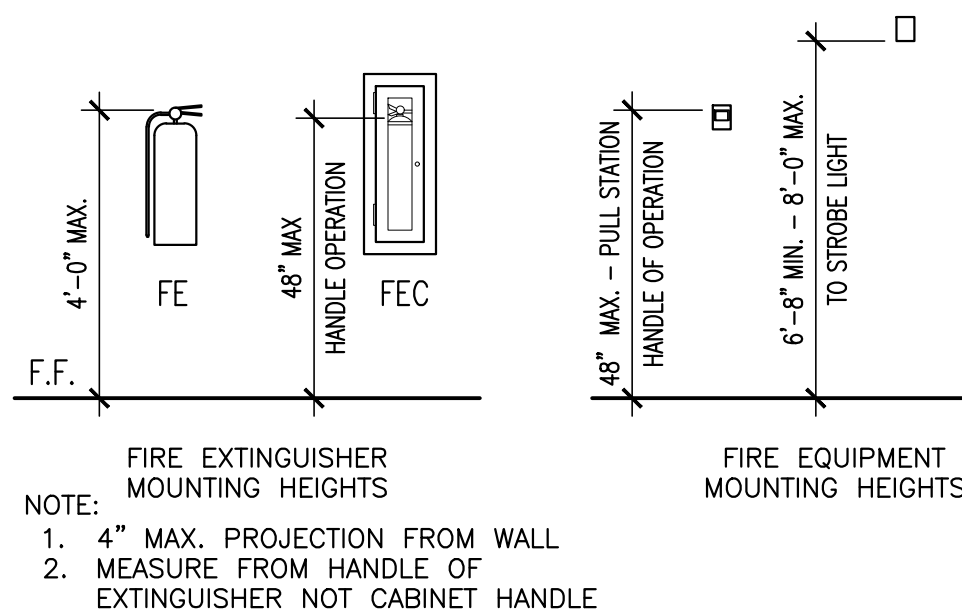
WALL TYPE LEGEND	
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	1 HR WALL
2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	2 HR WALL
4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-	4 HR WALL

LIFE SAFETY NOTES		
	FIRE EXTINGUISHER AND CABINET (PROVIDE FIRE RATED CABINETS IN RATED WALLS.)	 — ACCESSIBLE  — EXIT (320) — EXIT CAPACITY
	FIRE EXTINGUISHER	
	K-TYPE FIRE EXTINGUISHER	
	EXIT SIGN DIRECTION	
EXTEND AND KEY ALL RATED WALLS TO SHAFT WALL SYSTEM, AND/OR BOTTOM OF ROOF ASSEMBLY		
STENCIL LABEL ALL RATED WALLS & DRAFT STOPS ABOVE CEILING EACH SIDE @ 20'-0" O.C. MAX		
ALL RATED DOORS AND FRAMES TO BE LABELED WITH EMBOSSED LABELS INDICATING RATING IN MINUTES		
PROVIDE FOAM FILL INSULATION AS SPECIFIED IN ALL WALLS BETWEEN TOILETS AND CLASSROOMS.		
HE - HORIZONTAL EXIT	XHE - EXISTING HORIZONTAL EXIT	
FB - FIRE BARRIER	XFB - EXISTING FIRE BARRIER	
FP - FIRE PARTITION	XFP - EXISTING FIRE PARTITION	
FW - FIRE WALL	XFW - EXISTING FIRE WALL	



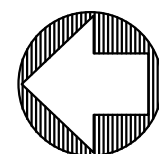
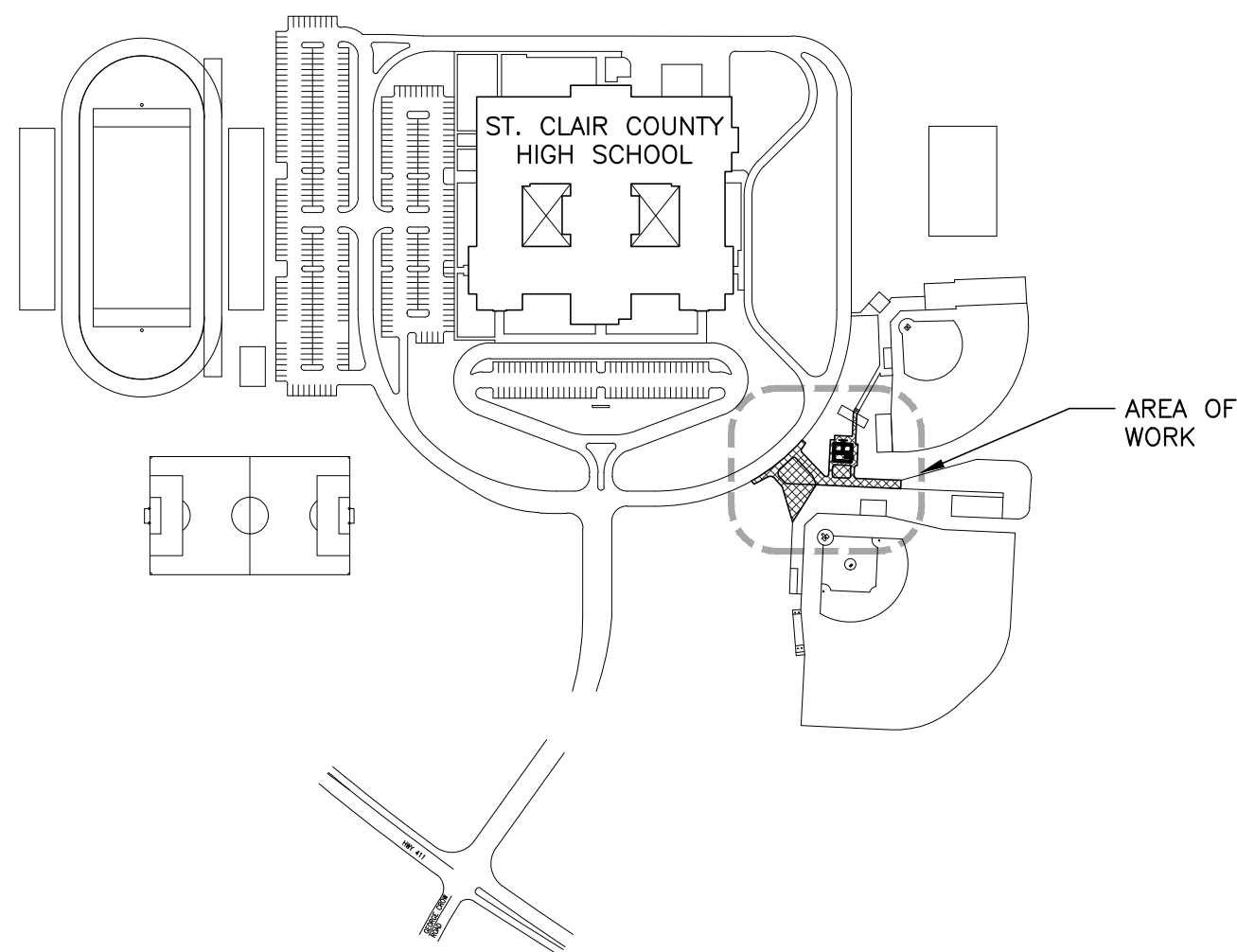
1 LIFE SAFETY PLAN

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



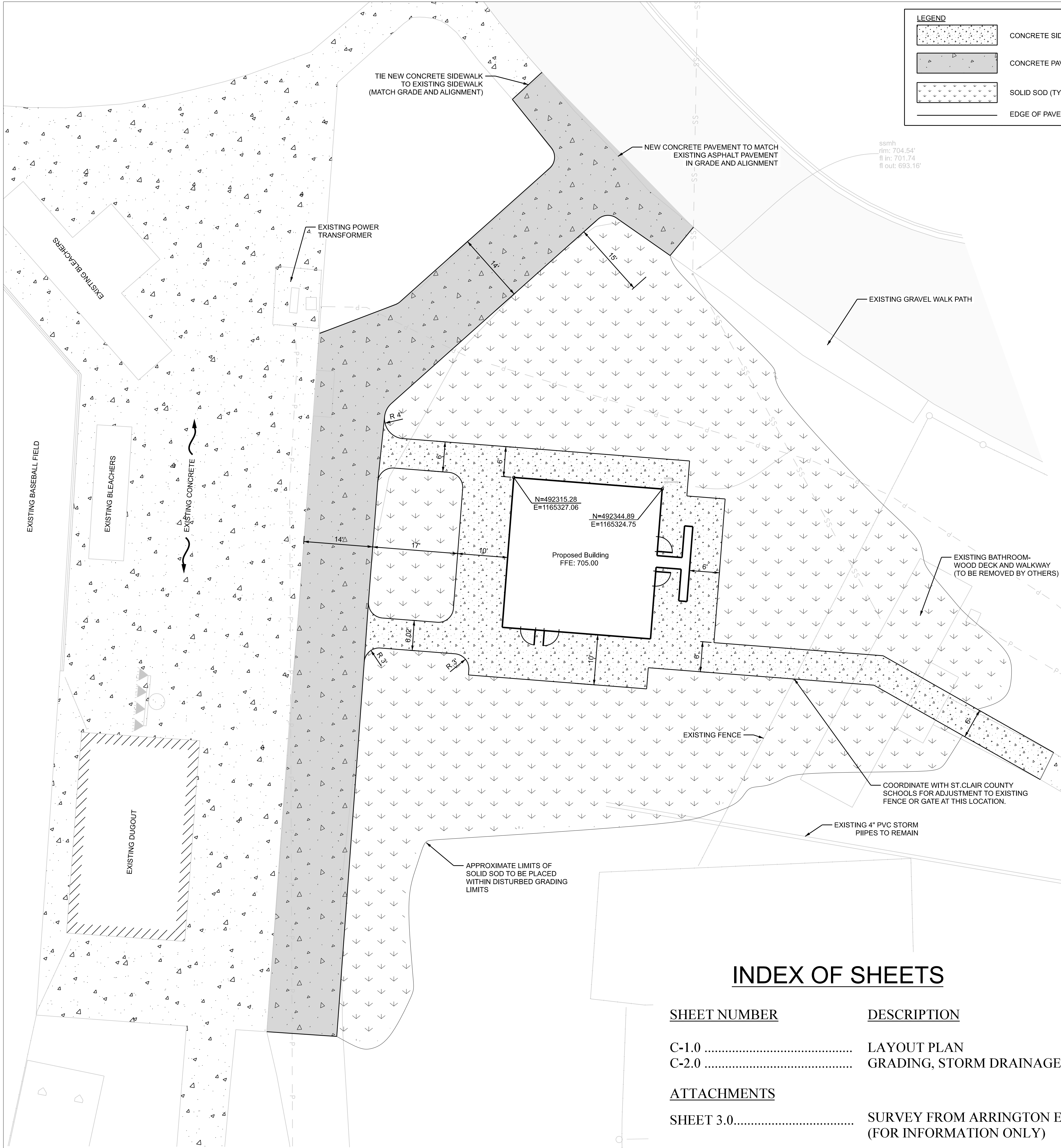
MOUNTING HEIGHTS

SCALE: $3/8" = 1'-0"$



KEY PLAN © ST. CLAIR COUNTY HIGH SCHOOL

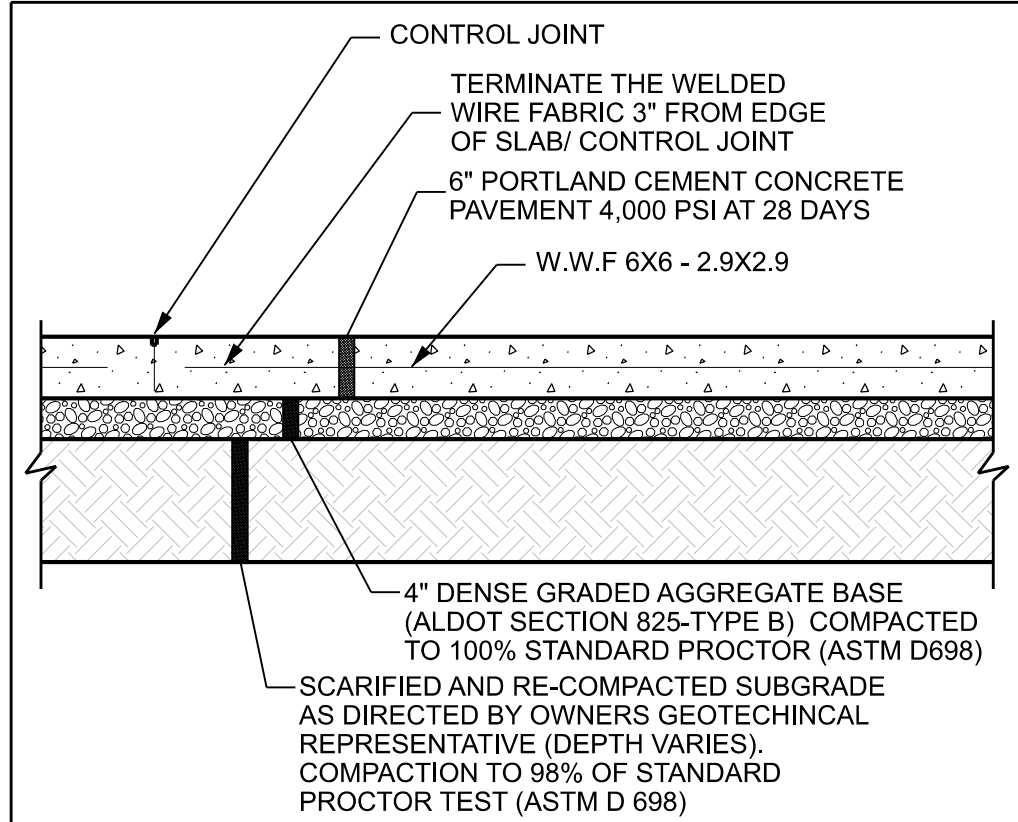
NTS



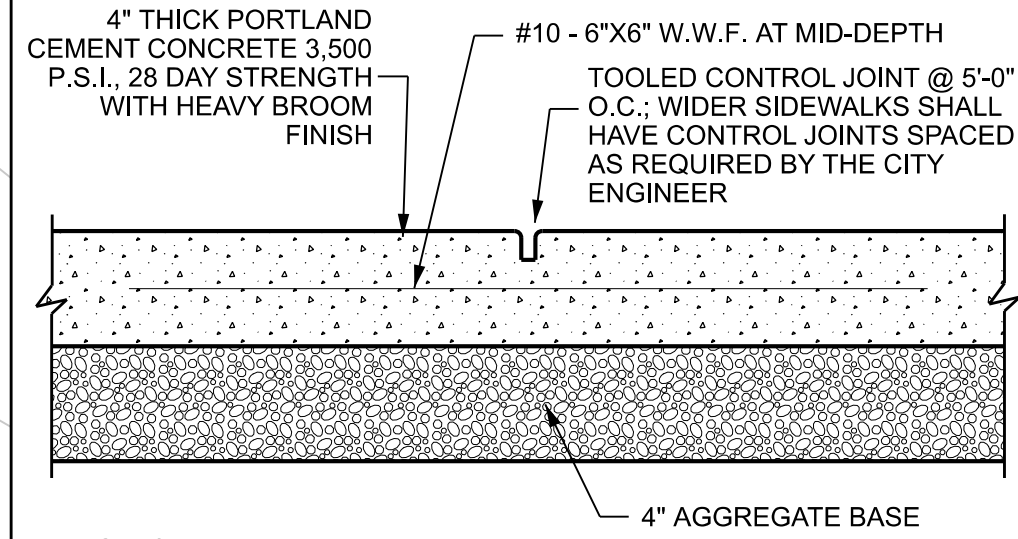
LEGEND

- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- SOLID SOD (TYP.)
- EDGE OF PAVEMENT/ SIDEWALK

0 5 10 20
SCALE IN FEET
1" = 10'



STANDARD DUTY CONCRETE PAVING SECTION
N.T.S.



- NOTES:**
- WHERE SIDEWALKS ABUTS A CURB OR STRUCTURE PROVIDE AN 1/2" EXPANSION JOINT WITH SEALER.
 - CROSS SLOPE SHALL BE 1% MINIMUM AND 2% MAXIMUM .
 - TERMINATE THE WELDED WIRE FABRIC 3" FROM EDGE OF SLAB.
 - PROVIDE 1/2" EXPANSION JOINTS @ 30'-0" O.C.
 - CONCRETE MIX: STRAIGHT CEMENT MIX, NO FLY ASH, COLORING ADDED AT 25 LBS./YD. , MAXIMUM 5 INCH SLUMP.
 - SIDEWALK INSTALLATION SHALL BE ON AN UNFROZEN PREPARED SUBGRADE

SIDEWALK DETAIL
N.T.S.

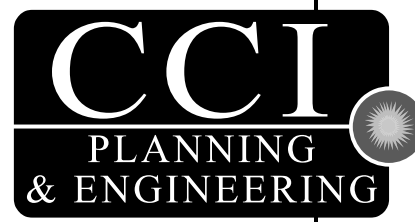
- GENERAL NOTES:**
- JOB SITE SAFETY AND COMPLIANCE WITH APPLICABLE SAFETY REGULATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY PROTECTIVE DEVICES, AND FOR THE IMPLEMENTATION OF ALL SAFETY MEASURES INCLUDING, BUT NOT LIMITED TO: THE PROTECTION OF LIFE, INJURY, PROPERTY, AND SITE IMPROVEMENTS; THE PROTECTION OF EXISTING UTILITY LINES AND STRUCTURES; AND THE PROVISION AND COORDINATION OF ALL TEMPORARY TRAFFIC CONTROL EFFORTS AND MEASURES.
 - ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.
 - ALL CONSTRUCTION SHOWN SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS FOR THIS PROJECT AND SHALL CONFORM TO ALL CODES, ORDINANCES, RESTRICTIONS, SPECIFICATIONS, AND STANDARDS OF ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THE SITE. CONTRACTOR WILL ONLY PERFORM CONSTRUCTION ACTIVITIES BASED ON PLANS AND SPECIFICATIONS WHICH HAVE BEEN PROPERLY ISSUED FOR CONSTRUCTION PURPOSES.
 - CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL PROPERTY CORNERS AND BENCHMARKS. ALL PROPERTY PINS OR BENCHMARKS ELIMINATED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN LIKE KIND BY CONTRACTOR.
 - TOPOGRAPHIC INFORMATION WAS OBTAINED FROM A SURVEY PROVIDED BY ARRINGTON ENGINEERING, PHONE: (205) 985-9315. CIVIL CONSULTANTS IS NOT RESPONSIBLE FOR THE ACCURACY OF THE SURVEY.
 - EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL APPROPRIATE UTILITY CONTACTS 48 HOURS PRIOR TO EXCAVATION IN AREAS WHERE UTILITIES MAY EXIST. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM AND SANITARY SEWER STRUCTURES, STORM AND SANITARY PIPES AND ALL OTHER EXISTING UTILITIES AND IRRIGATION LINES PRIOR TO BEGINNING CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE THE INSTALLATION, ADJUSTMENT OR RELOCATION OF ALL UTILITIES WITH THE APPROPRIATE UTILITY COMPANIES AND HIS WORK. ALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, STORM SEWER, ELECTRICAL CONDUIT, GAS & TELEPHONE, IRRIGATION SLEEVES, ETC. SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL.
 - THE LIMITS OF DISTURBANCE SHALL INCLUDE ALL AREAS DISTURBED BY GRADING OPERATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL AREAS OUTSIDE THE LIMITS OF DISTURBANCE. ANY DAMAGE CAUSED BY CONSTRUCTION SHALL BE REPAIRED TO ITS ORIGINAL CONDITION.
 - EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE. EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION UNTIL PERMANENT GROUND COVER IS ESTABLISHED. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR PREVENTING SLOBS OR DEPOSITS OF SOIL, DUST OR MATERIALS FROM BEING TRANSPORTED OFF THE CONSTRUCTION SITE BY EROSION FORCES
 - CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS FOR ACTUAL BUILDING DIMENSIONS AND DETAILS. THE CONTRACTOR SHALL VERIFY THAT THE COORDINATE POINTS PROVIDED FOR THE TWO OUTSIDE BUILDING CORNERS PRECISELY MATCH THE ARCHITECT'S PLANS. IF A DISCREPANCY EXISTS WITH RESPECT TO THE BUILDING CORNERS, THEN CONTACT THE ENGINEER AND ARCHITECT FOR A RESOLUTION BEFORE EXCAVATING FOR FOUNDATIONS.
 - IN THE EVENT THAT A CONFLICT ARISES BETWEEN THE SITE CONSTRUCTION DRAWINGS AND STRUCTURES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH CONSTRUCTION OF ANY AREA WHERE A CONFLICT HAS BEEN DISCOVERED UNTIL SUCH TIME AS THE CONFLICT HAS BEEN CLEARLY RESOLVED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE FLUSH AND SMOOTH TRANSITION BETWEEN ALL NEW CONSTRUCTION AND ALL EXISTING CONDITIONS. ALL TRANSITION GRADES, CONSTRUCTION MATERIALS, AND FINISHES SPECIFICALLY AT DRIVEWAY ENTRANCE LOCATIONS, ARE SUBJECT TO APPROVAL BY THE OWNER, ARCHITECT OR ENGINEER.
 - CONTRACTOR SHALL COORDINATE WITH CONTRACTORS OF ADJACENT WORK TO MINIMIZE THE DISRUPTION OF ITS WORK AND THE WORK OF OTHERS.
- LAYOUT NOTES:**
- FOR BUILDING DIMENSIONS REFER TO ARCHITECTURAL PLANS. ALL DIMENSIONS AND COORDINATES TO BUILDING ARE MEASURED FROM OUTSIDE FACE, UNLESS OTHERWISE NOTED.
 - ALL DIMENSIONS IN PAVED AREAS AND SIDEWALKS ARE MEASURED FROM THE EDGE OF PAVEMENT AND EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.
 - ALL RADII AND COORDINATES ARE DIMENSIONED FROM TO THE EDGE OF PAVEMENT. ALL CURB RADII ARE 3 FT. (TYP.) UNLESS NOTED OTHERWISE.
 - IF FOR ANY REASON A WRITTEN DIMENSION DOES NOT COINCIDE WITH A SCALED DIMENSION, THE WRITTEN DIMENSION SHALL GOVERN. DO NOT SCALE CRITICAL DIMENSIONS FROM THIS DRAWING. SEEK CLARIFICATION FROM ARCHITECT/ENGINEER IF NEEDED.
 - COORDINATES SHOWN IN THESE PLANS ARE GIVEN IN FEET AND ARE BASED ON THE STATE PLANE COORDINATE SYSTEM.
 - PRIOR TO CONSTRUCTION ACTIVITIES, THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION AND RELATIVITY OF THE COORDINATES ASSIGNED TO BLDG. CORNERS, PROPERTY LINES, INLETS, STORM MANHOLES, SANITARY MANHOLES, PIPES, ETC. IF THERE IS A DISCREPANCY OR INCONGRUITY BETWEEN THE COORDINATES THEN NOTIFY THE ENGINEER IMMEDIATELY FOR CLARIFICATION.

CAUTION NOTICE TO CONTRACTOR:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL AT LEAST 48 HOURS BEFORE ANY SITE DISTURBANCE OR EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
C-1.0	LAYOUT PLAN
C-2.0	GRADING, STORM DRAINAGE & UTILITY PLAN
ATTACHMENTS	
SHEET 3.0.....	SURVEY FROM ARRINGTON ENGINEERING (FOR INFORMATION ONLY)



3528 Vann Road
Suite 105
Birmingham, AL 35235
Phone: (205) 655-1991
www.ccipe.com

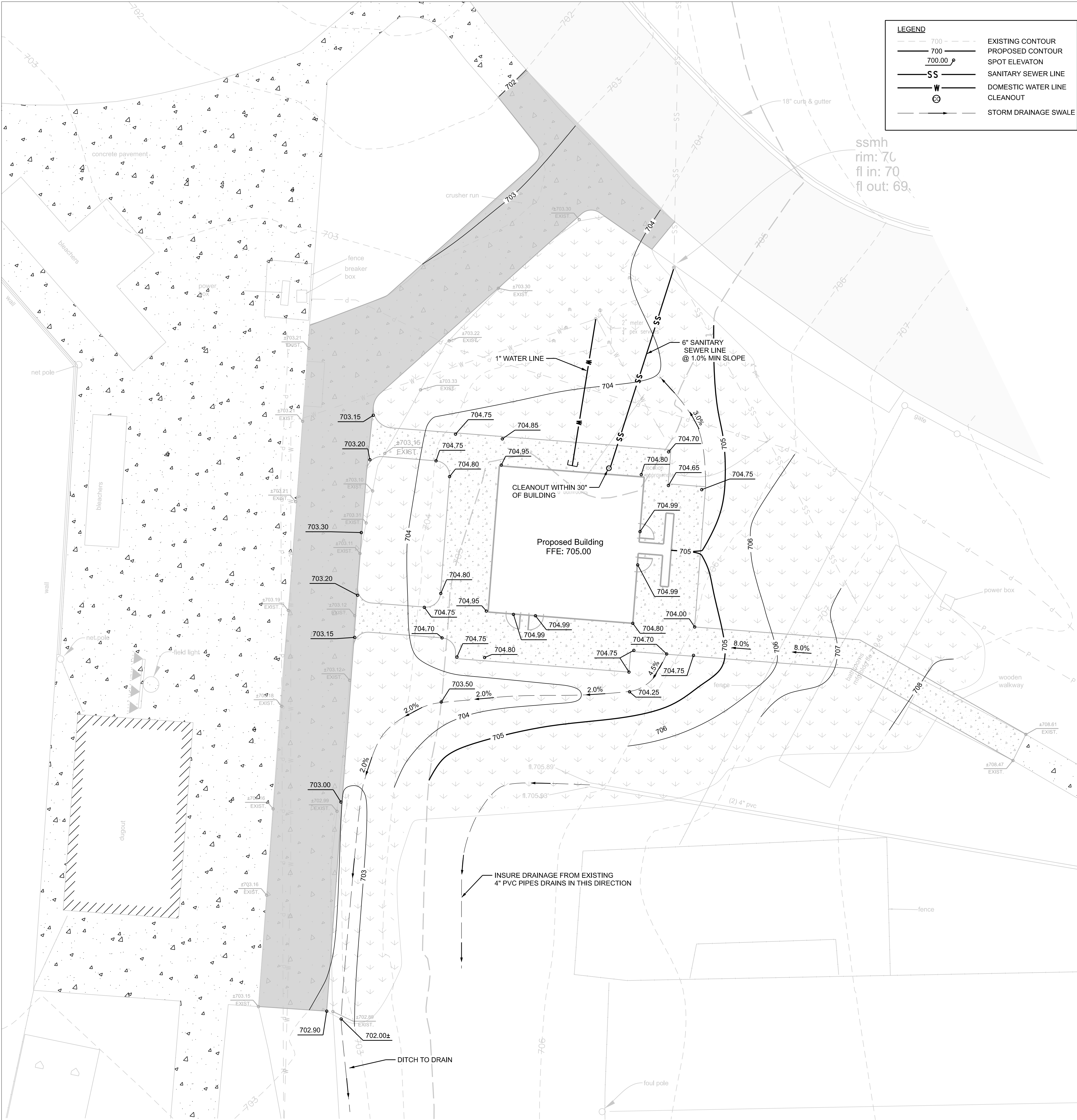
NEW BASEBALL FIELD RESTROOMS FOR
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SHEET TITLE:

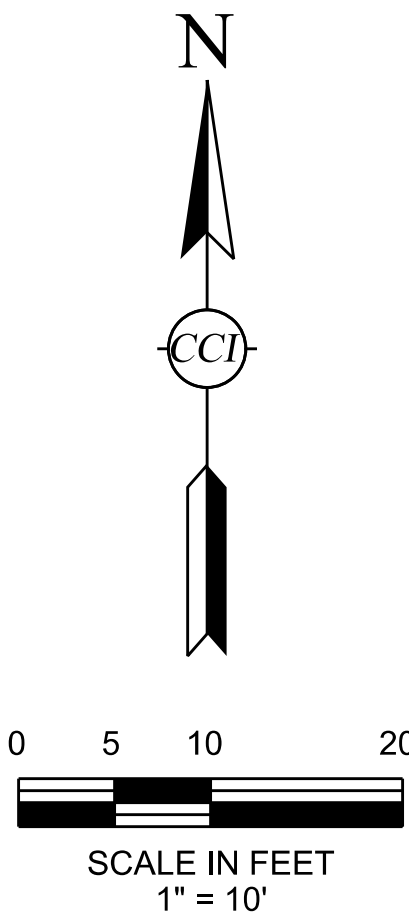
LAYOUT PLAN

PROJ. MGR.: R. VERNON
DRAWN:
DATE: 04/17/2025
REVISIONS:

JOB NO. **25-07**
SHEET NO:
C-1.0
1 OF 2



LEGEND		
	700	EXISTING CONTOUR
	700	PROPOSED CONTOUR
	700.00	SPOT ELEVATION
		SANITARY SEWER LINE
		DOMESTIC WATER LINE
		CLEANOUT
		STORM DRAINAGE SWALE



SANITARY SEWER NOTES:

1. REFERENCE GENERAL NOTES (C-1) AND ARCHITECTURAL/PLUMBING PLANS.
2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE ODENVILLE UTILITIES DEPARTMENT.
3. CONTRACTOR SHALL NOTIFY THE LOCAL SANITARY SEWER AUTHORITY A MINIMUM OF 48 HOURS PRIOR TO COMMENCING SEWER CONSTRUCTION.
4. DIMENSIONS SHOWN ARE TO THE CENTERLINE OF PIPE OR TO CENTERLINE OF MANHOLE.
5. ALL SERVICE LEADS TO THE BUILDINGS SHALL END 5 FEET OUTSIDE THE FACE OF BUILDING WALL, UNLESS NOTED, AND SHALL BE PROVIDED WITH A TEMPORARY PLUG FOR OTHERS TO REMOVE AND EXTEND AS NECESSARY.
6. SANITARY SEWER PIPE MATERIAL SHALL BE SCHEDULE 40 PVC FOR GRAVITY LINE FROM BUILDING TO MANHOLE.
7. OPENING MADE TO EXISTING SANITARY SEWER MANHOLES SHALL BE CORE DRILLED NO IMPACT TYPE CONNECTION WILL BE ALLOWED.
8. ALL MANHOLES/CLEANOUTS SHALL BE A MINIMUM OF 6" ABOVE GRADE EXCEPT IN PAVEMENT AREAS WHERE TOP SHALL BE FLUSH WITH PAVEMENT GRADE ELEVATIONS. SEE CLEANOUT DETAIL.
9. BEDDING AND BACKFILL SHALL BE PER CITY OF ODENVILLE UTILITIES DEPARTMENT STANDARDS & SPECIFICATIONS.
10. THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND THE SEWER LINE IS 10 FEET. THE MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINES SHALL BE 2 FEET WITH WATER ABOVE SANITARY.
11. SANITARY SEWER MANHOLES AND LINES SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE CITY OF ODENVILLE UTILITY DEPARTMENT.
12. CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL BUILDING ENTRANCES, TO INCLUDE SANITARY SEWER SERVICE, DOMESTIC & IRRIGATION SERVICE, ELECTRICAL TELEPHONE & GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES SUCH THAT PROPER DEPTHS ARE ACHIEVED, AS WELL AS COORDINATING WITH THE APPROPRIATE UTILITIES AS TO LOCATION AND SCHEDULING OF TI-EINS/CONNECTIONS TO THEIR FACILITIES.

WATER NOTES:

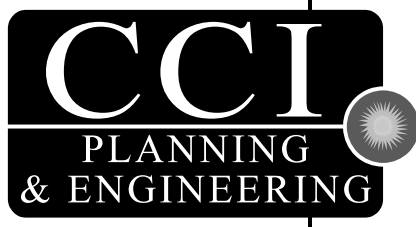
1. REFERENCE GENERAL NOTES, DRAWING C-1 AND ARCHITECTURAL/PLUMBING PLANS.
2. ALL DOMESTIC LEADS TO BUILDING SHALL END 5 FT. OUTSIDE THE FACE OF BUILDING WALL, UNLESS NOTED, AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END (FOR OTHERS TO REMOVE AND EXTEND AS NECESSARY).
3. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
4. COORDINATE CONNECTION FOR WATER SERVICE WITH OWNER AND CITY OF ODENVILLE UTILITY DEPARTMENT.
5. MINIMUM COVER FOR ALL WATER MAINS SHALL BE 3' MINIMUM OR AS REQUIRED BY LOCAL WATER WORKS AUTHORITY.
6. THE CONTRACTOR SHALL COORDINATE ALL UTILITY INSPECTIONS ALONG WITH AND SUBSEQUENTIAL TESTING AND APPROVALS WITH THE CITY OF ODENVILLE UTILITY DEPARTMENT.
7. PIPE SIZES 3" AND SMALLER SHALL BE TYPE-K COPPER. FITTINGS SHALL BE BRONZE.
8. CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL BUILDING ENTRANCES, TO INCLUDE SANITARY SEWER SERVICE, DOMESTIC & IRRIGATION SERVICE, ELECTRICAL TELEPHONE & GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES SUCH THAT PROPER DEPTHS ARE ACHIEVED, AS WELL AS COORDINATING WITH THE APPROPRIATE UTILITIES AS TO LOCATION AND SCHEDULING OF TI-EINS/CONNECTIONS TO THEIR FACILITIES.

POWER, TELEPHONE & GAS NOTES:

1. REFERENCE GEN. NOTES, DRAWING C-1
2. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR INFORMATION REGARDING POWER, TELEPHONE & GAS SERVICES (IF REQUIRED).
3. CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL BUILDING ENTRANCES, TO INCLUDE SANITARY SEWER SERVICE, DOMESTIC & IRRIGATION SERVICE, ELECTRICAL TELEPHONE & GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES SUCH THAT PROPER DEPTHS ARE ACHIEVED, AS WELL AS COORDINATING WITH THE APPROPRIATE UTILITIES AS TO LOCATION AND SCHEDULING OF TI-EINS/CONNECTIONS TO THEIR FACILITIES.

CAUTION NOTICE TO CONTRACTOR:

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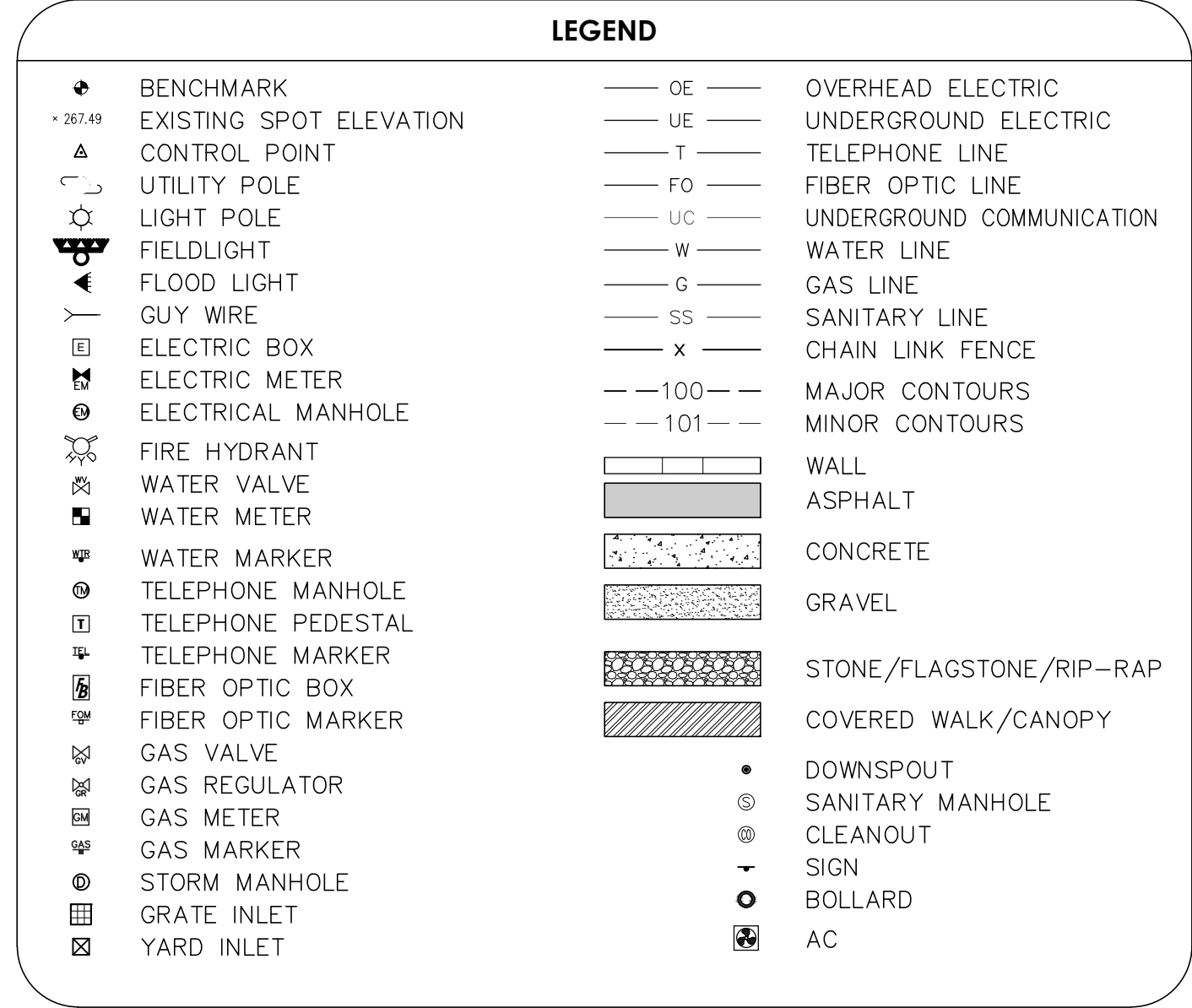
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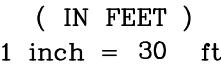
SHEET TITLE:
**GRADING,
STORM
DRAINAGE &
UTILITIES**

PROJ. MGR.: R. VERNON
DRAWN:
DATE: 04/17/2025
REVISIONS:

JOB NO. **25-07**
SHEET NO:
C-2.0
2 OF 2



GRAPHIC SCALE



SURVEY CONTROL


THE BEARINGS AND OR COORDINATES SHOWN
ON THIS SURVEY ARE BASED ON ALABAMA
STATE PLANE EAST ZONE, GRID NORTH, NAD
83 (ADJUSTED 2011). THE VERTICAL DATUM IS
NAVD 88 (GEOID 18). ELEVATION AND POSITION
WAS OBTAINED FROM R.T.K OBSERVATION
USING THE ALDOT CORS NETWORK AS
CONTROL.

PREPARED FOR:
ST. CLAIR COUNTY BOARD OF EDUCATION
410 ROY DRIVE
ASHVILLE, AL. 35953

SURVEYORS' NOTES:

1. NO TITLE SEARCH OF THE PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM AND LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR EASEMENTS AND/OR RIGHTS OF WAYS, RECORDED OR UNRECORDED. THE PARCEL SHOWN HEREON IS SUBJECT TO SETBACKS, EASEMENTS, ZONING, AND RESTRICTIONS THAT MAY BE FOUND IN THE PUBLIC RECORD OF SAID COUNTY.
2. ALL BEARINGS AND/OR ANGLES, AND DISTANCES ARE DEED AND ACTUAL UNLESS OTHERWISE NOTED: DEED=(D); MEASURED=(M); RECORD MAP/PLAT=(P); CALCULATED=(C).
3. UNDERGROUND PORTIONS OF FOUNDATIONS, FOOTINGS, OR OTHER UNDERGROUND STRUCTURES WERE NOT LOCATED UNLESS OTHERWISE NOTED.
4. UPSTREAM PROPERTY OWNERS POSSESS A NATURAL EASEMENT ACROSS THE SUBJECT PROPERTY FOR SURFACE WATER FLOWING IN ITS NATURAL COURSE.
5. THIS SURVEYOR MADE NO DETERMINATION REGARDING ANY REGULATORY WATERS OF THE UNITED STATES AS DEFINED BY SECTION 404 OF THE CLEAN WATER ACT THAT MAY EXIST ON THE SUBJECT PROPERTY.
6. ANY PUBLIC UTILITY LINES AND EQUIPMENT SHOWN ON THIS SURVEY MAY BE SUBJECT TO EASEMENTS FOR OPERATION AND MAINTENANCE OF SAME.
7. THIS SURVEY IS VALID ONLY WITH AN ORIGINAL SIGNATURE AND A LEGIBLE SEAL.

I HEREBY STATE THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

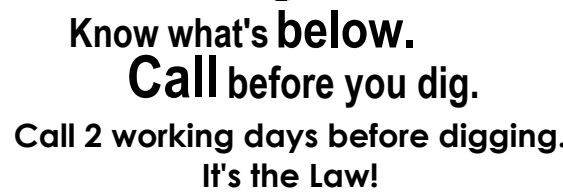
SURVEYOR:  DATE: 3-6-2025
JEFF D. ARRINGTON
ALABAMA NO. 18664



DRAWING TITLE	TOPOGRAPHIC, UTILITY & EXISTING CONDITIONS SURVEY ST. CLAIR COUNTY HIGH SCHOOL
LOCATION & DESCRIPTION	16700 US HIGHWAY 411, ODENVILLE, AL. 35120



DRAWN BY:	JDA
CHECKED BY:	JDA
DATE:	2-27-2025
SCALE:	1" = 30'
PARTY CHIEF	JJ
PROJECT NO.:	85038
SHEET	1 OF 1



LATHAN ARCHITECTS

NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
ROOF PLAN, DETAILS,
AND LEGENDS

PROJ. MGR.: R. VERNON
DRAWN: K. RENTA
DATE: APRIL, 15 2025
REVISIONS

JOB NO. 25-07
SHEET NO:
A2
2 OF 7

01"2'

01"2'

2 GUTTER EXPANSION JOINT DETAIL

SCALE: 3" = 1'-0"

ROOF LEGEND		
DETAIL NUMBER	DIRECTION OF DOWNWARD SLOPE 14:12 RISE:RUN	PREFINISHED STANDING SEAM METAL ROOF
ROOF DETAIL MARKER	ROOF SLOPE MARKER	PREFINISHED STANDING SEAM METAL ROOF
G GUTTER DS DOWNSPOUT	PP PIPE PENETRATION NIC NOT IN CONTRACT	SB SPLASH BLOCK/PAN TYP TYPICAL

PREFINISHED STANDING SEAM METAL ROOFING SCOPE OF WORK

- PROVIDE PIPE PENETRATION AND MECHANICAL PENETRATION ABOVE FIELD OF ROOF AS REQUIRED.
- PROVIDE ICE AND WATER SHIELD IN ALL VALLEYS, PERIMETERS, AND PENETRATIONS REGARDLESS OF SLOPE AS INDICATED.
- PROVIDE UNDERLAYMENT AND STANDING SEAM METAL ROOFING SYSTEM AS SPECIFIED. INSTALLED IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ALL PREFINISHED SHEET METAL FLASHING COMPONENTS INCLUDING, COPING CAPS, LEAD FLASHING, FASCIA, TRIM, REGLETS, FLASHINGS, ETC. THROUGHOUT ENTIRE PROJECT.
- PROVIDE FLASHINGS CONSTRUCTED OF BRAKE METAL.
- PROVIDE ALL GUTTER, DOWNSPOUT, SPLASH PANS, SPLASH BLOCKS, ETC. SEALED OUTLET TUBES REQUIRED AT ALL DOWNSPOUTS LOCATIONS.
- PROVIDE PREFINISHED METAL VENTED SOFFIT SYSTEM AS SPECIFIED.

3 HIP DETAIL

SCALE: 3" = 1'-0"

5 ROOF DETAIL

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

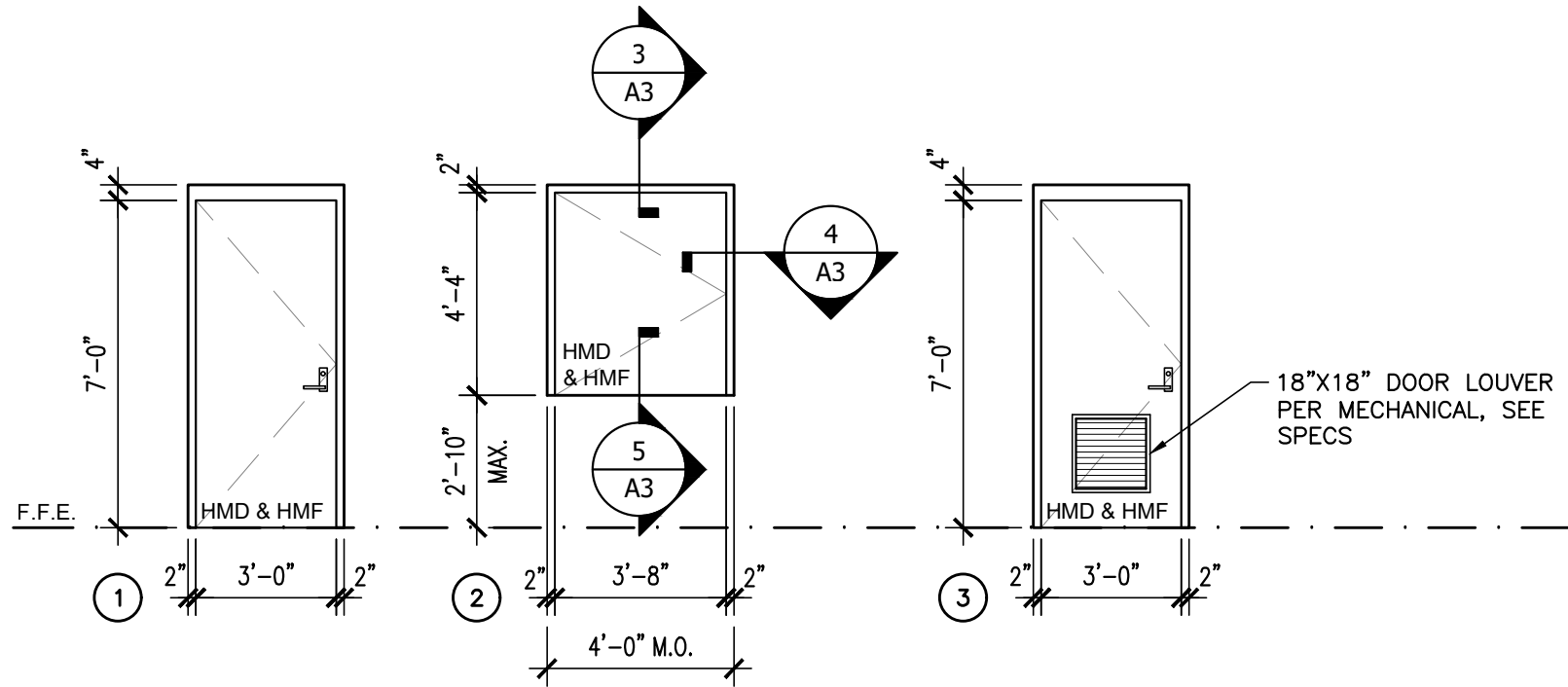
6 ROOF DETAIL

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

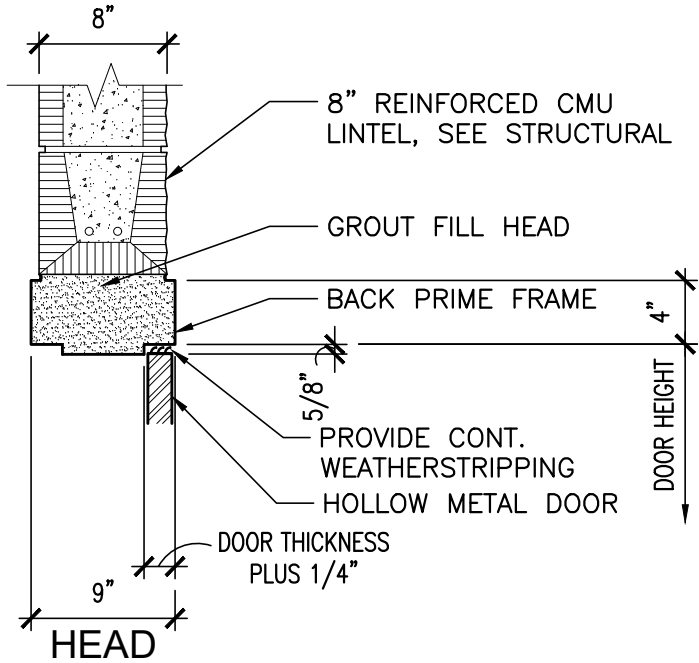
KEY PLAN

ST. CLAIR COUNTY HIGH SCHOOL

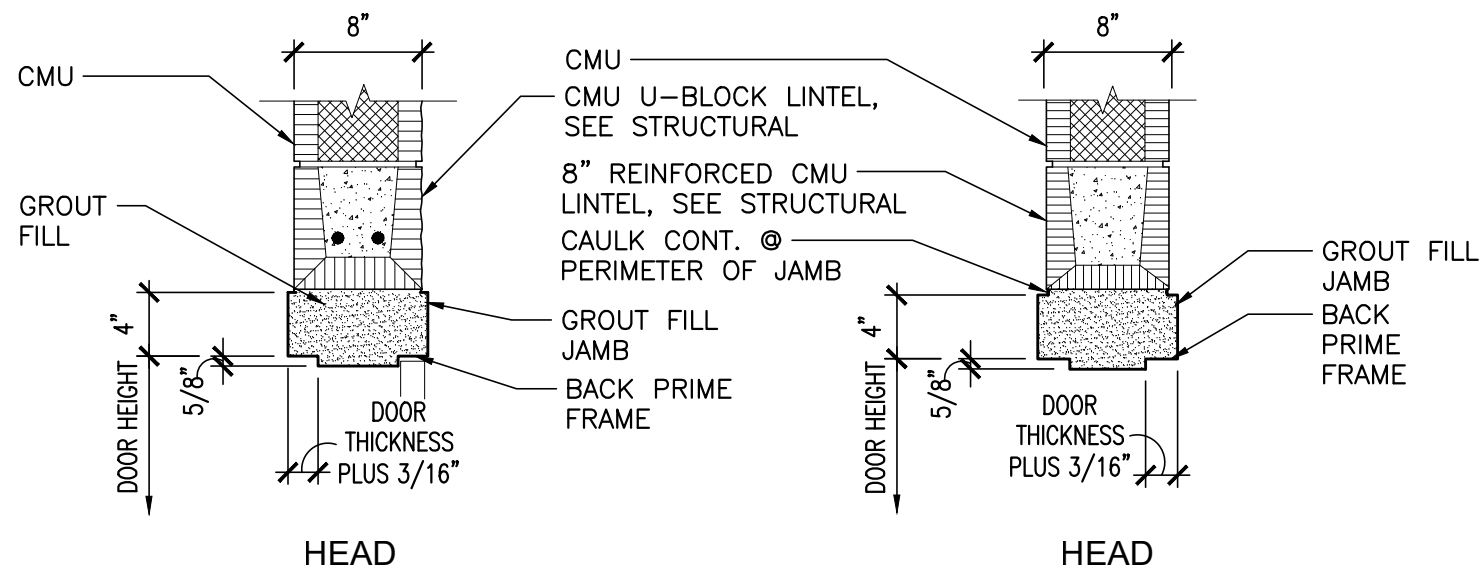
DOOR AND WINDOW LEGEND	
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
MHO	MANUAL HOLD OPEN



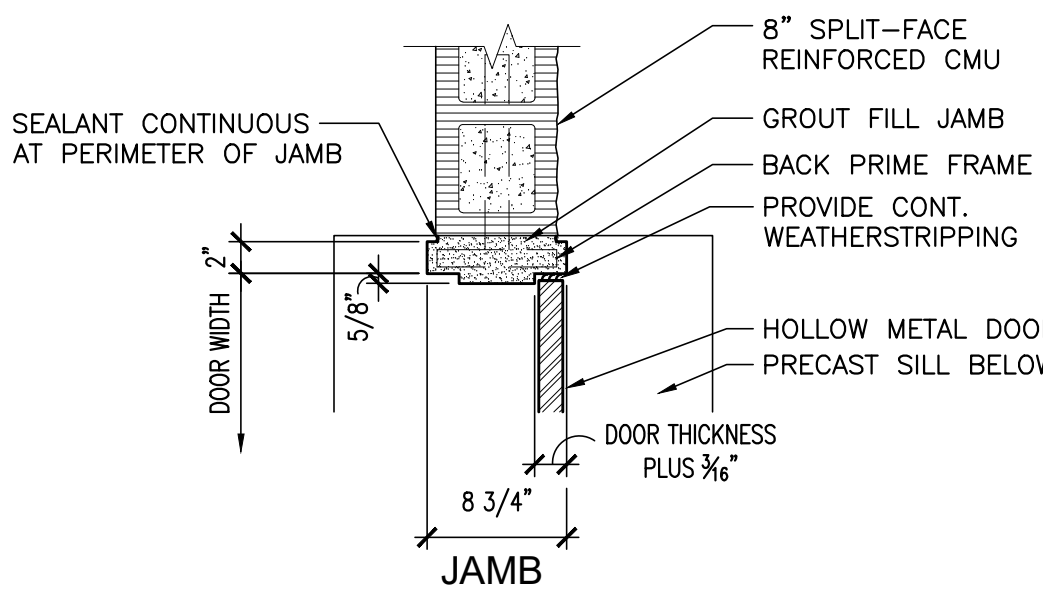
1 DOOR SCHEDULE
SCALE: 1/4" = 1'-0"



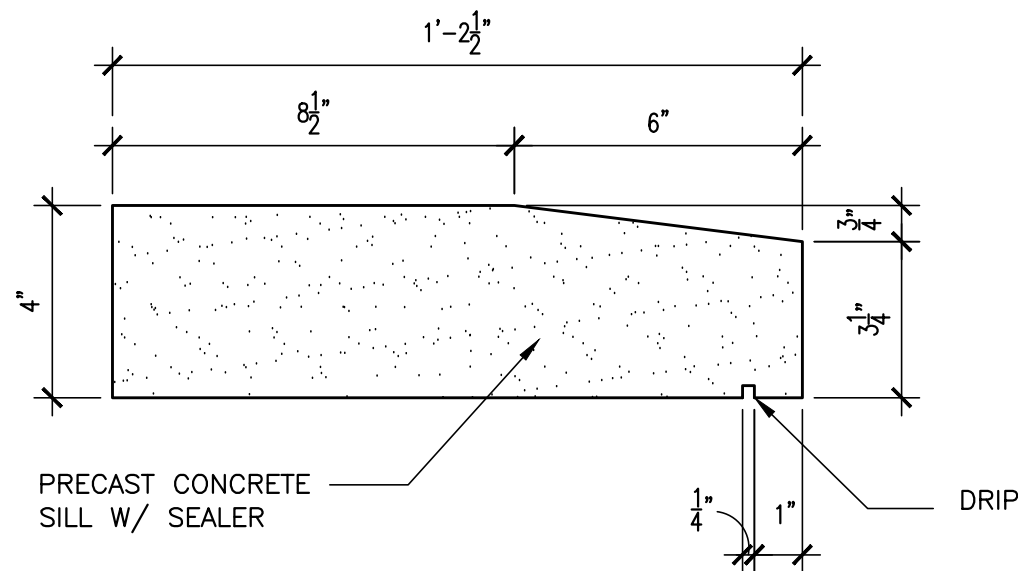
3 HEAD DETAIL
SCALE: 1" = 1'-0"



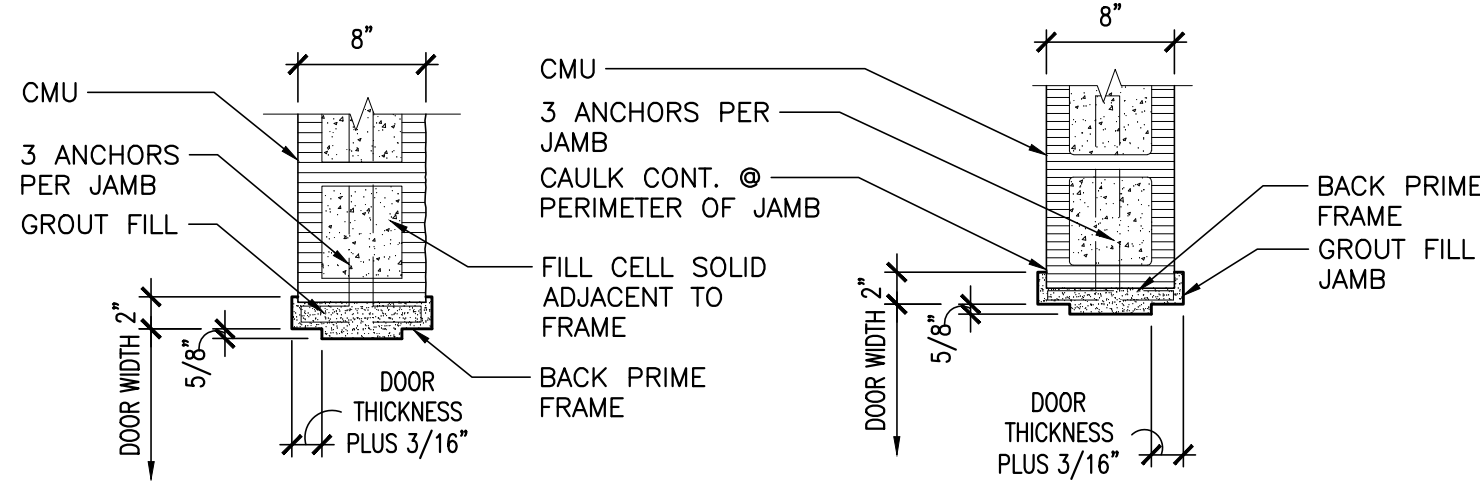
HEAD HEAD



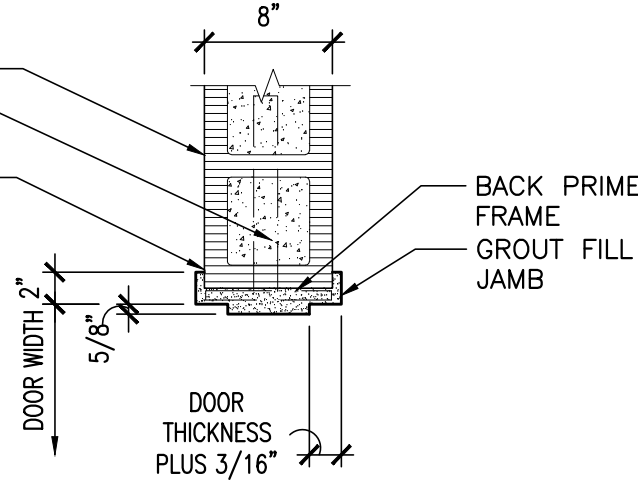
4 JAMB DETAIL
SCALE: 1" = 1'-0"



6 PREAST SILL PROFILE
SCALE: 1" = 1'-0"

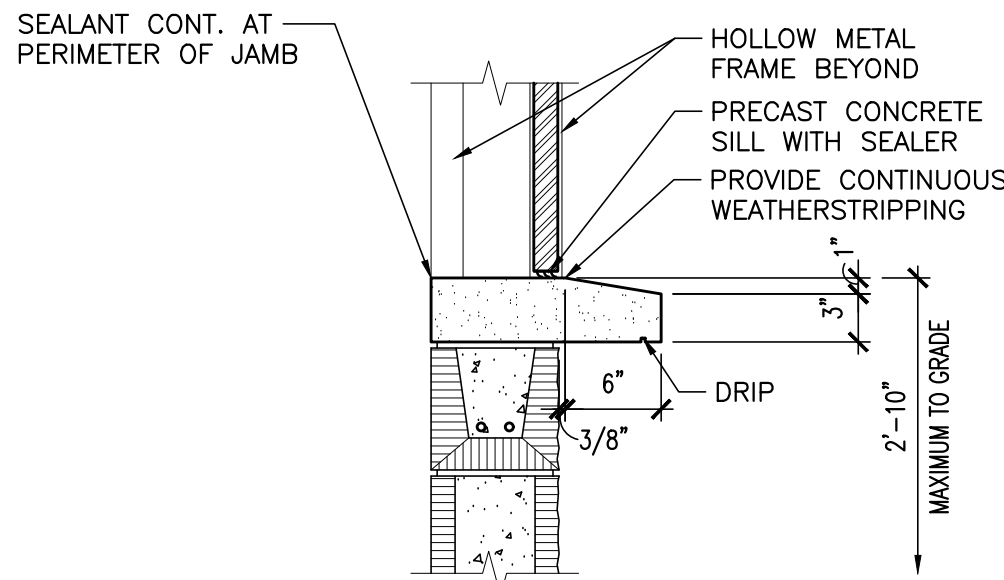


JAMB INTERIOR 8" CMU

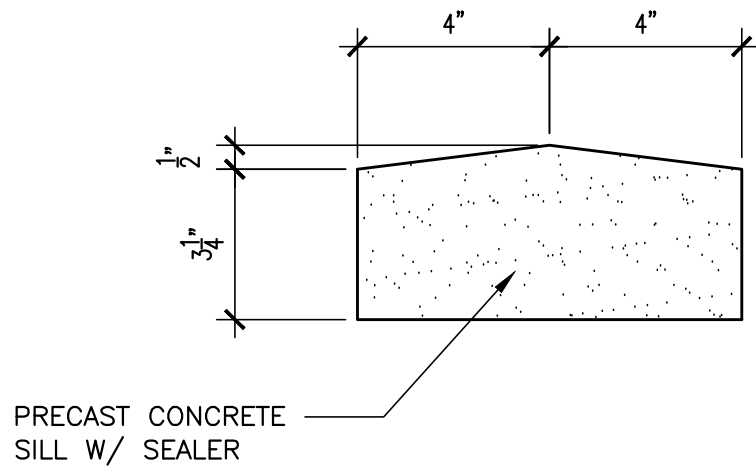


JAMB EXTERIOR 8" SPLITE-FACE CMU


2 HOLLOW METAL FRAME DETAILS
SCALE: 1" = 1'-0"



5 SILL DETAIL
SCALE: 1" = 1'-0"

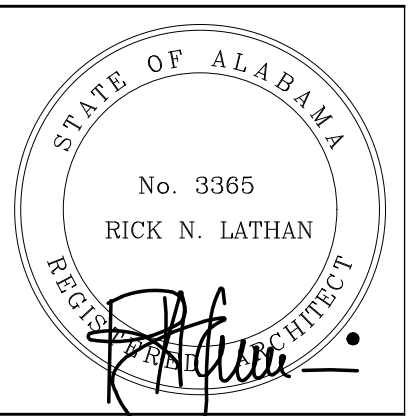


7 PREAST SILL PROFILE
SCALE: 1" = 1'-0"



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ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION

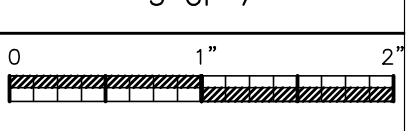


SHEET TITLE:
DOOR SCHEDULE
AND DETAILS

PROJ. MGR.: R. VERNON
DRAWN: K. RENTA
DATE: APRIL, 15 2025

REVISIONS

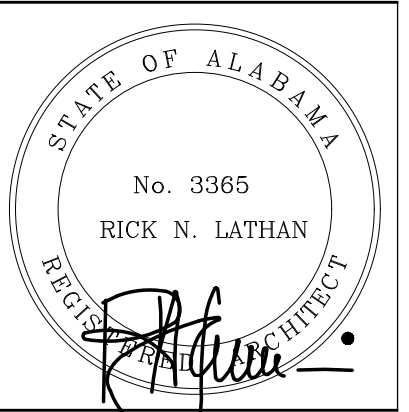
JOB NO. **25-07**
SHEET NO:
A3
3 OF 7





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NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION



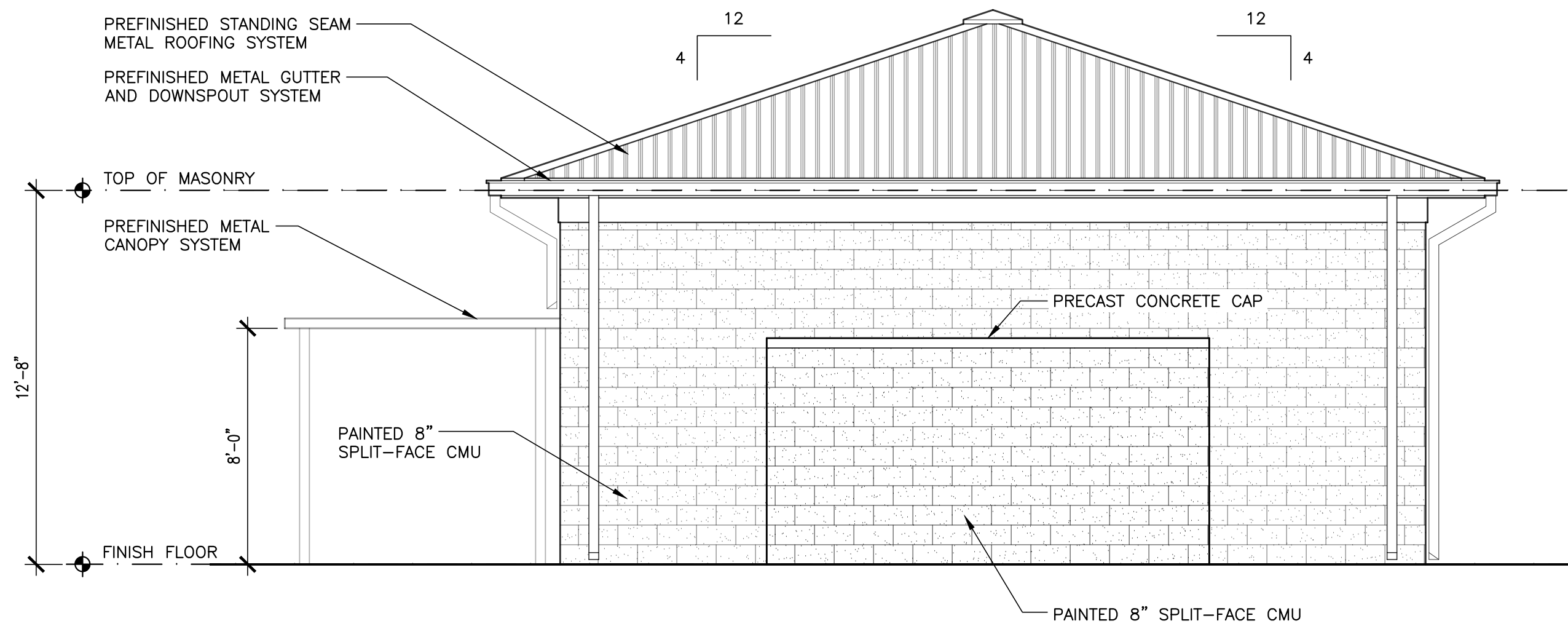
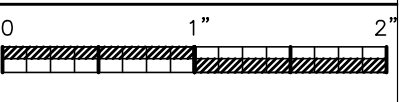
SHEET TITLE:
BUILDING ELEVATIONS
AND SECTIONS

PROJ. MGR.: R. VERNON
DRAWN: K. RENTA
DATE: APRIL, 15 2025
REVISIONS

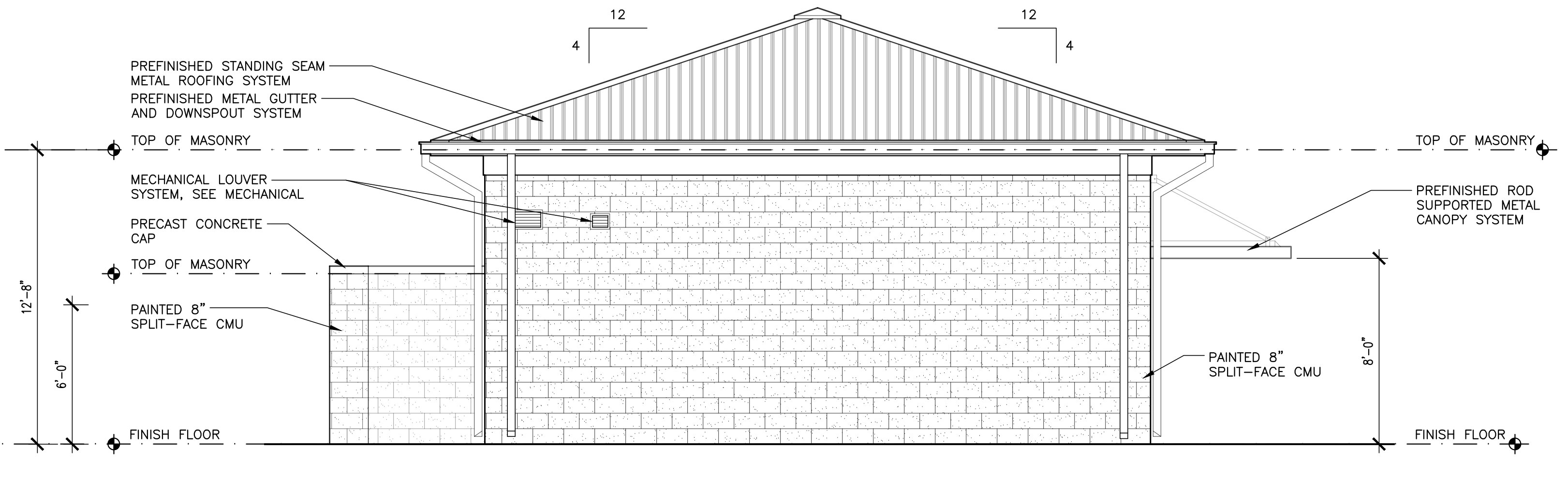
JOB NO. **25-07**
SHEET NO:

A4

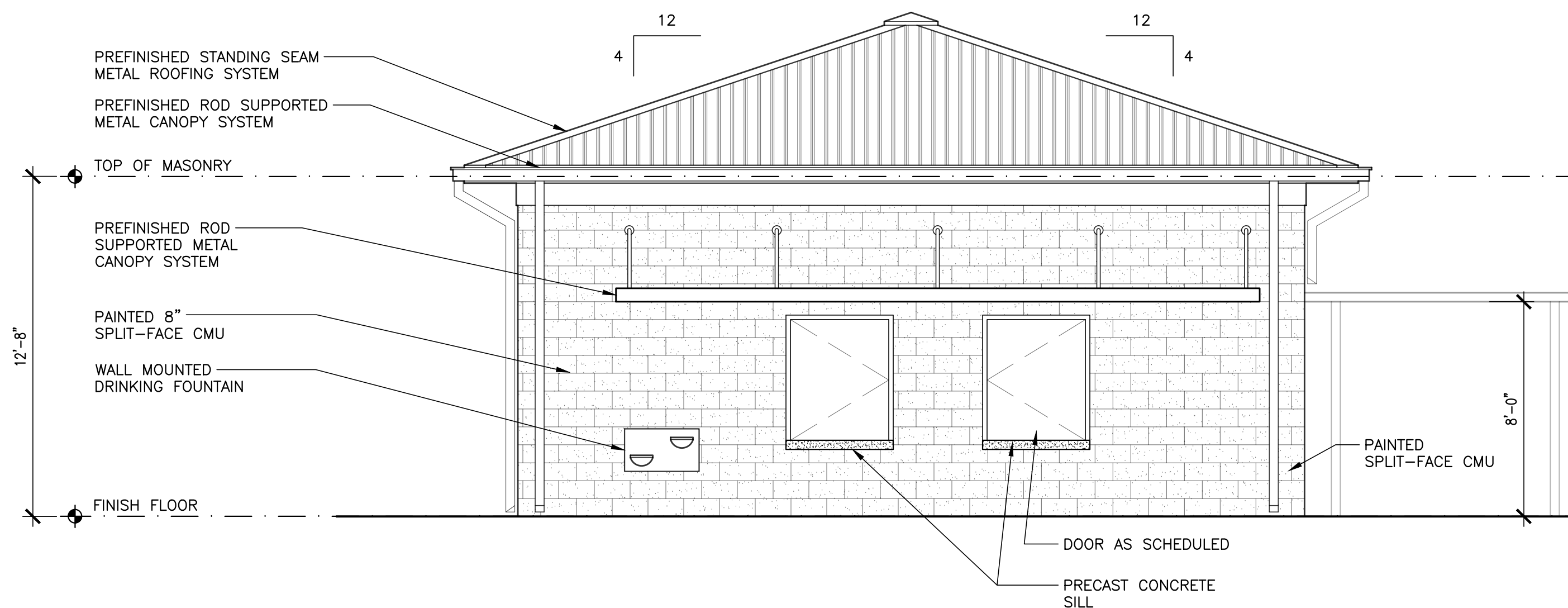
4 OF 7



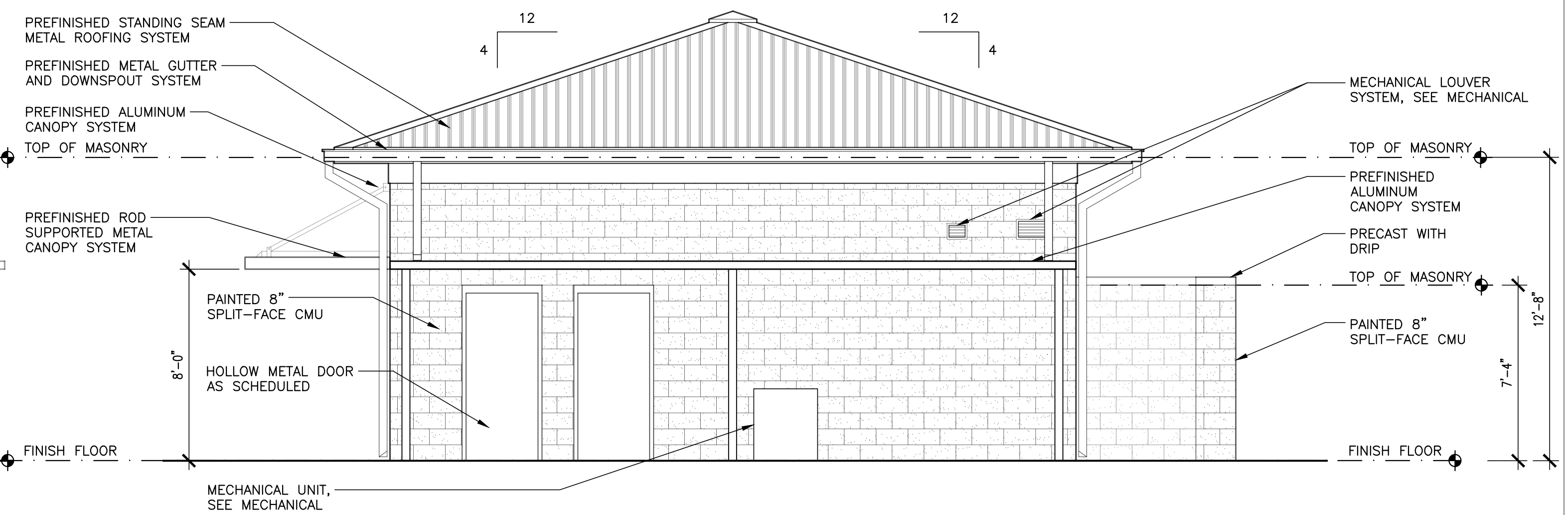
A BUILDING ELEVATION
SCALE: 1/4" = 1'-0"



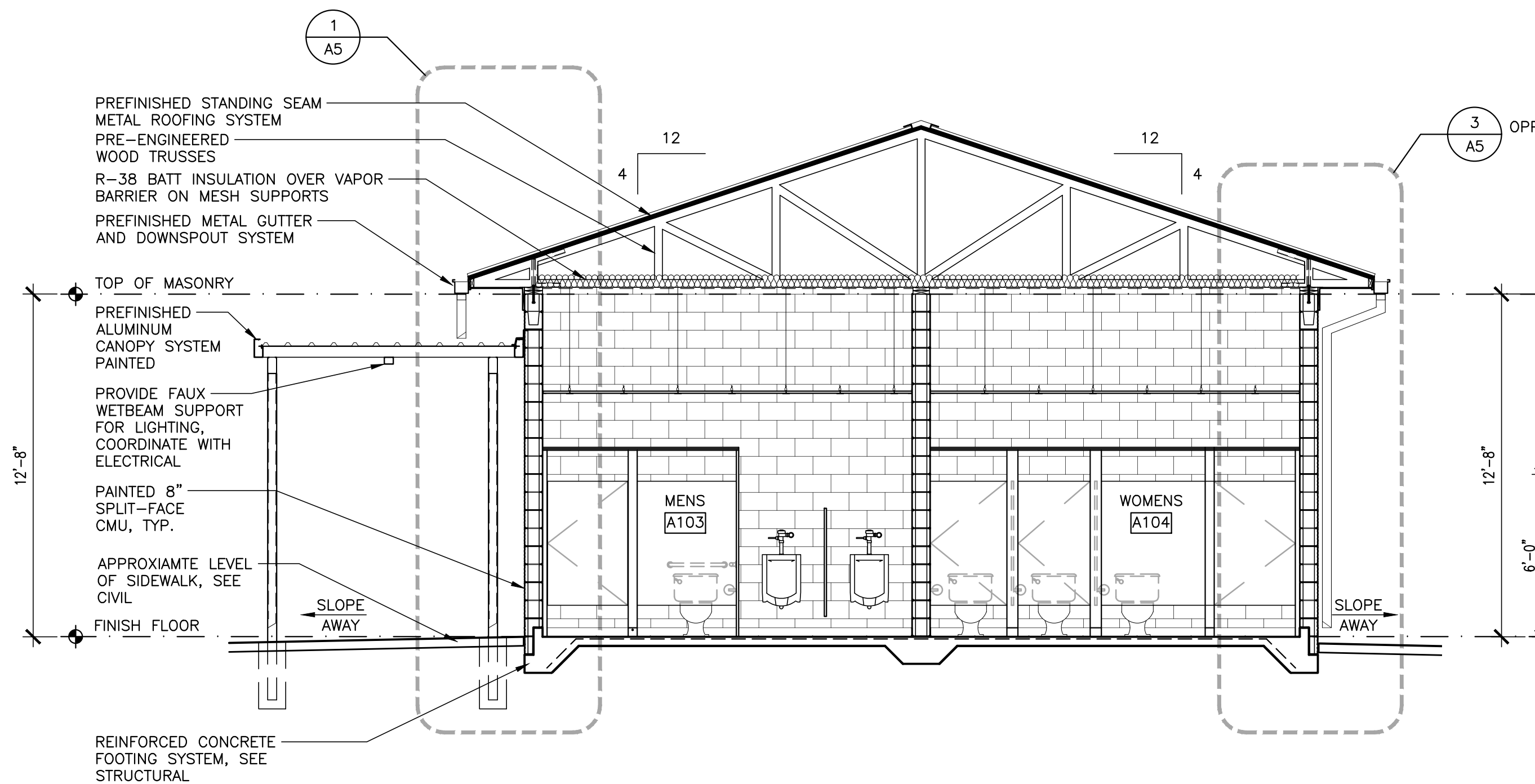
B BUILDING ELEVATION
SCALE: 1/4" = 1'-0"



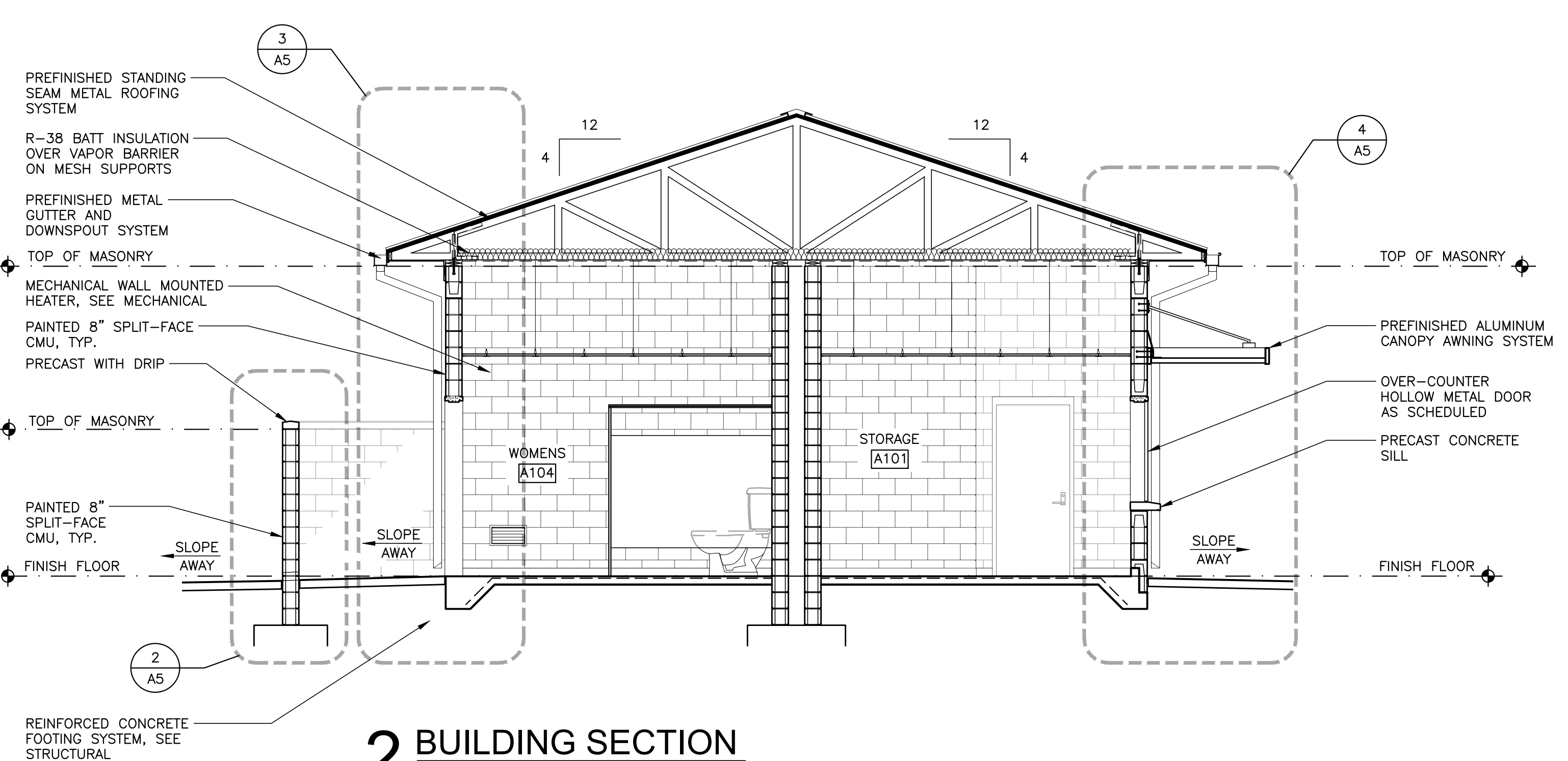
C BUILDING ELEVATION
SCALE: 1/4" = 1'-0"



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



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

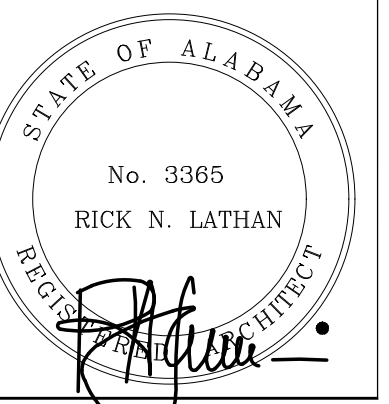


2 BUILDING SECTION
SCALE: 1/4" = 1'-0"



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16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION



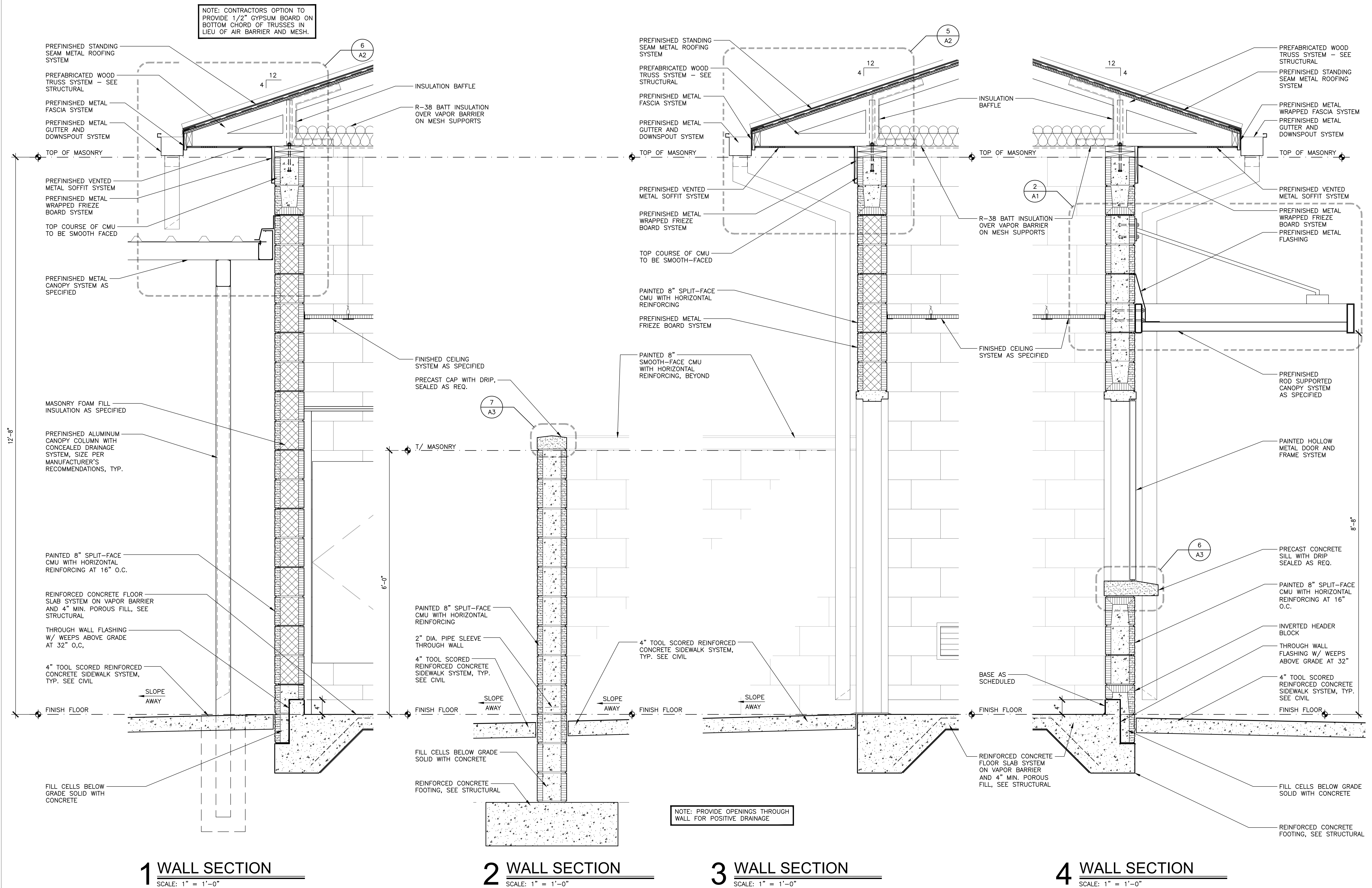
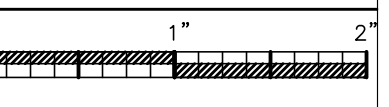
SHEET TITLE:
WALL SECTIONS

PROJ. MGR.: R. VERNON
DRAWN: K. RENTA
DATE: APRIL, 15 2025
REVISIONS

JOB NO. 25-07
SHEET NO:

A5

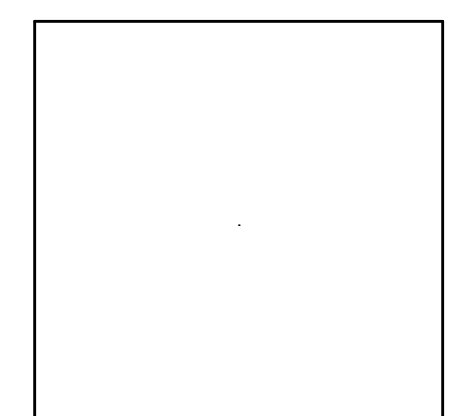
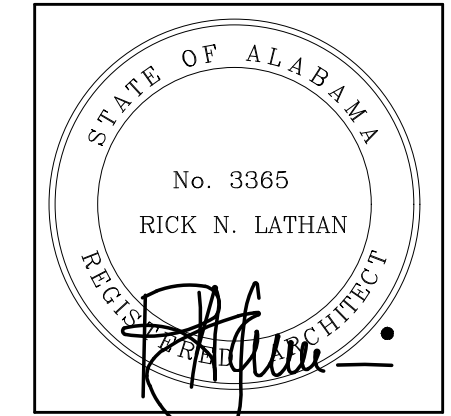
5 OF 7





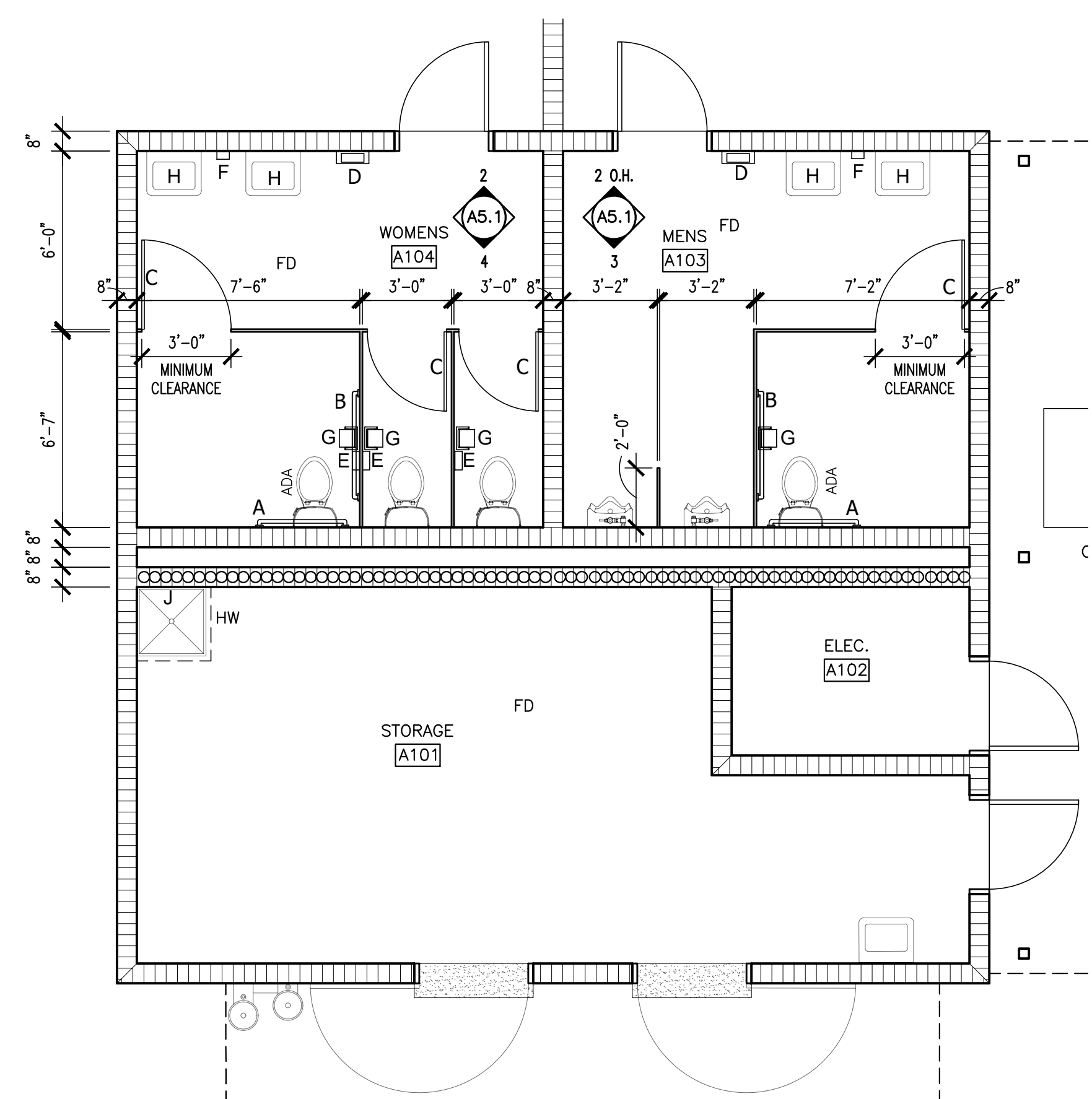
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NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
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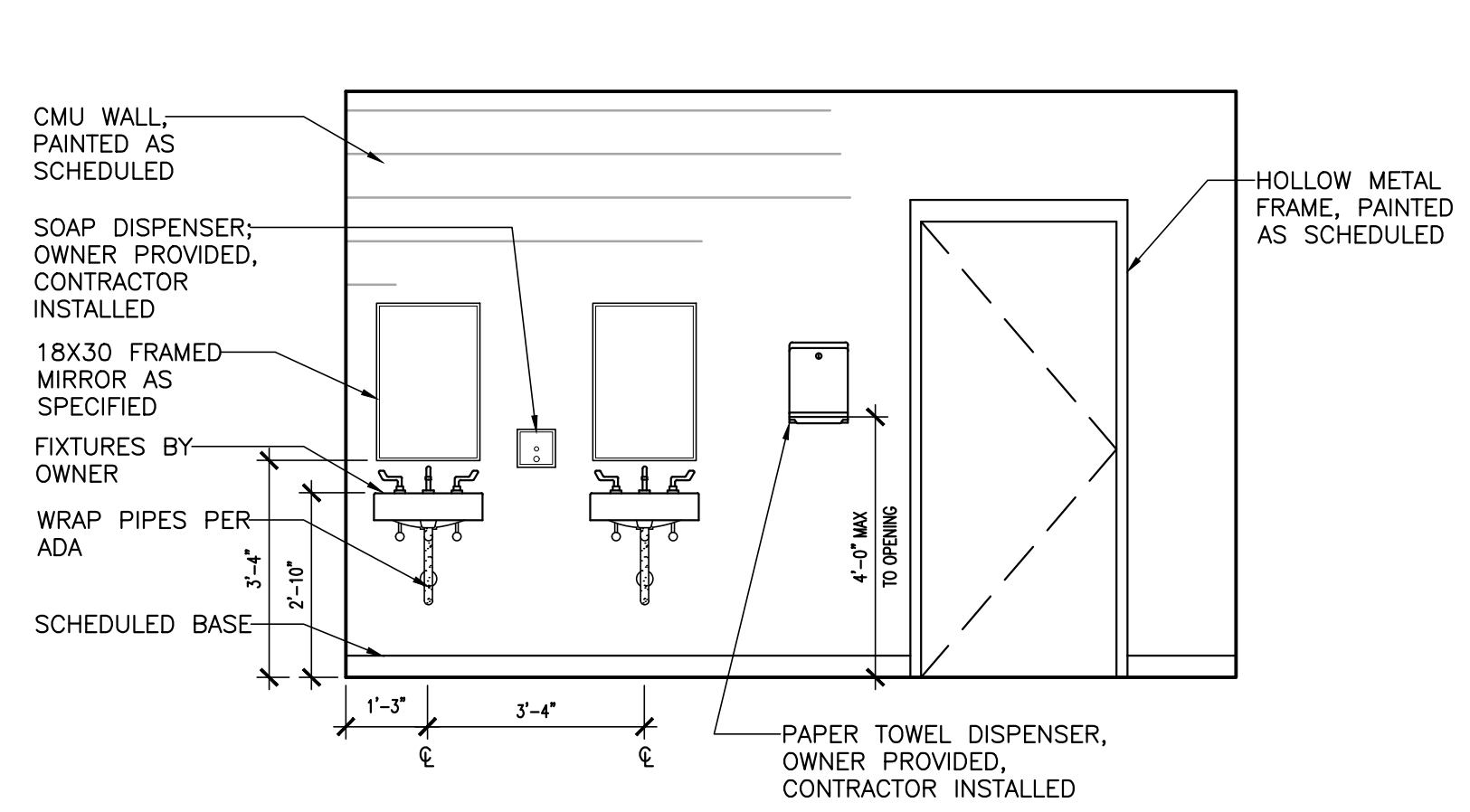
SHEET TITLE:
ENLARGED TOILET PLANS,
INTERIOR ELEVATIONS AND
DETAILS

PROJ. MGR.: R. VERNON
DRAWN: B. LUCAS
DATE: APRIL, 15 2025
REVISIONS

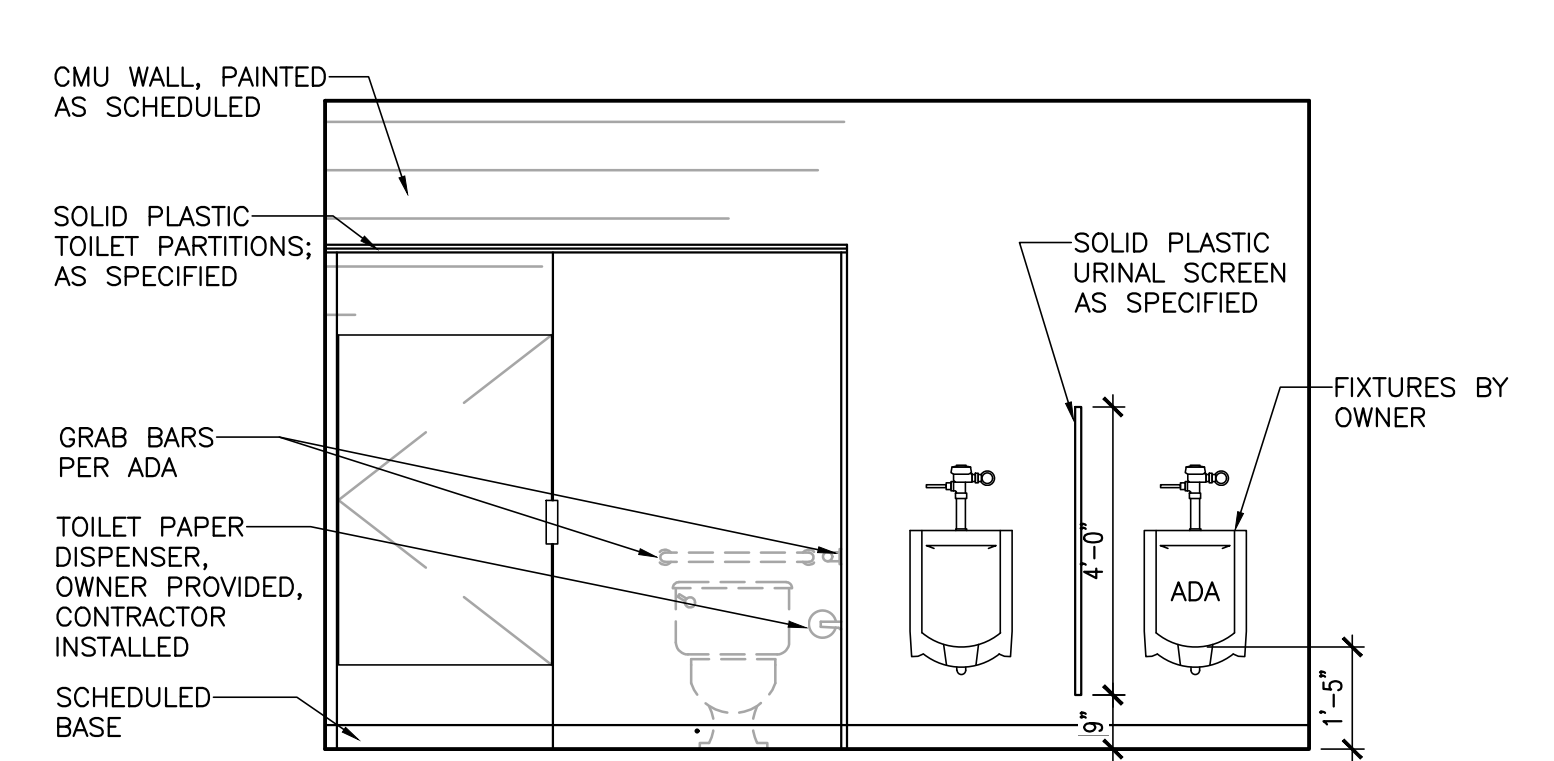


1 ENLARGED TOILET PLAN
SCALE: 1/4" = 1'-0"

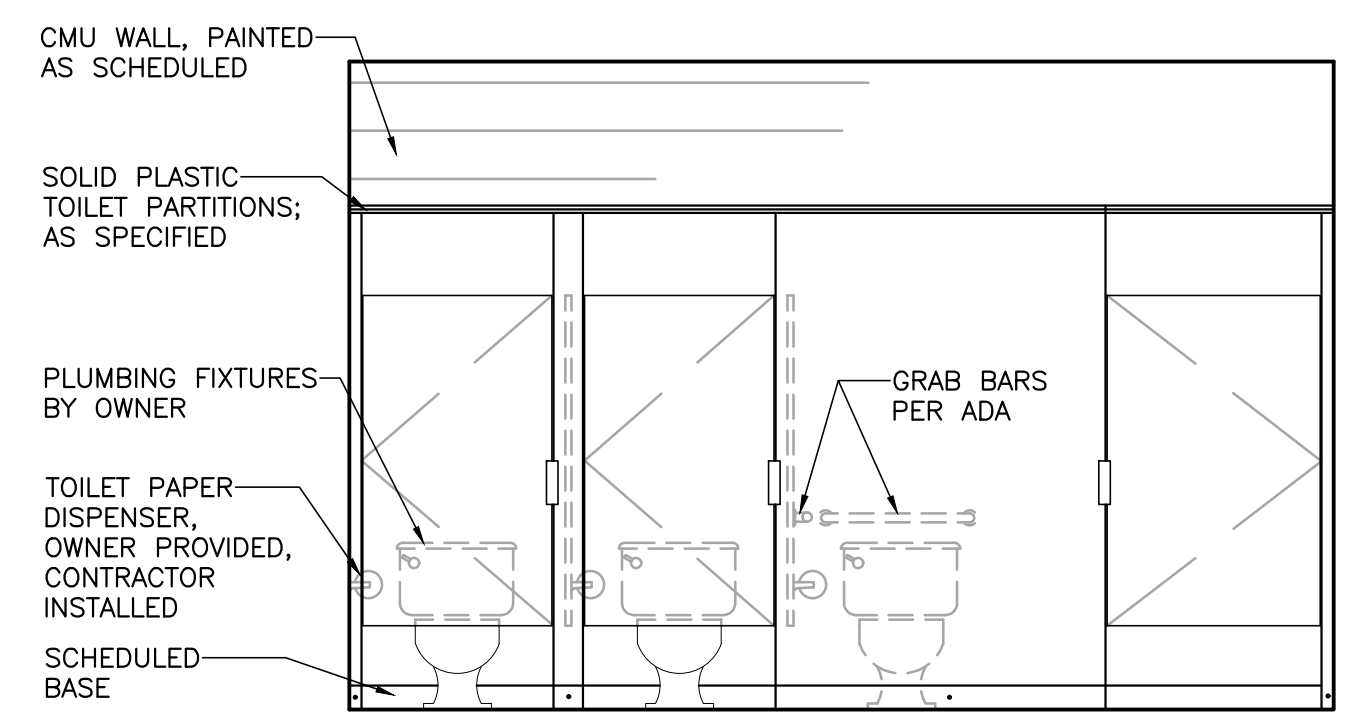
TOILET ACCESSORY LEGEND	
A	36" S.S. GRAB BAR
B	42" S.S. GRAB BAR
C	COAT HOOK (MOUNTED ON INTERIOR STALL DOOR)
D	PAPER TOWEL DISPENSER (OWNER PROVIDED, CONTRACTOR INSTALLED)
E	FEMININE NAPKIN DISPOSAL
F	SOAP DISPENSER (OWNER PROVIDED, CONTRACTOR INSTALLED)
G	TOILET TISSUE DISPENSER (OWNER PROVIDED, CONTRACTOR INSTALLED)
H	FRAMED MIRROR 18" X 30"
J	MOP HOLDER



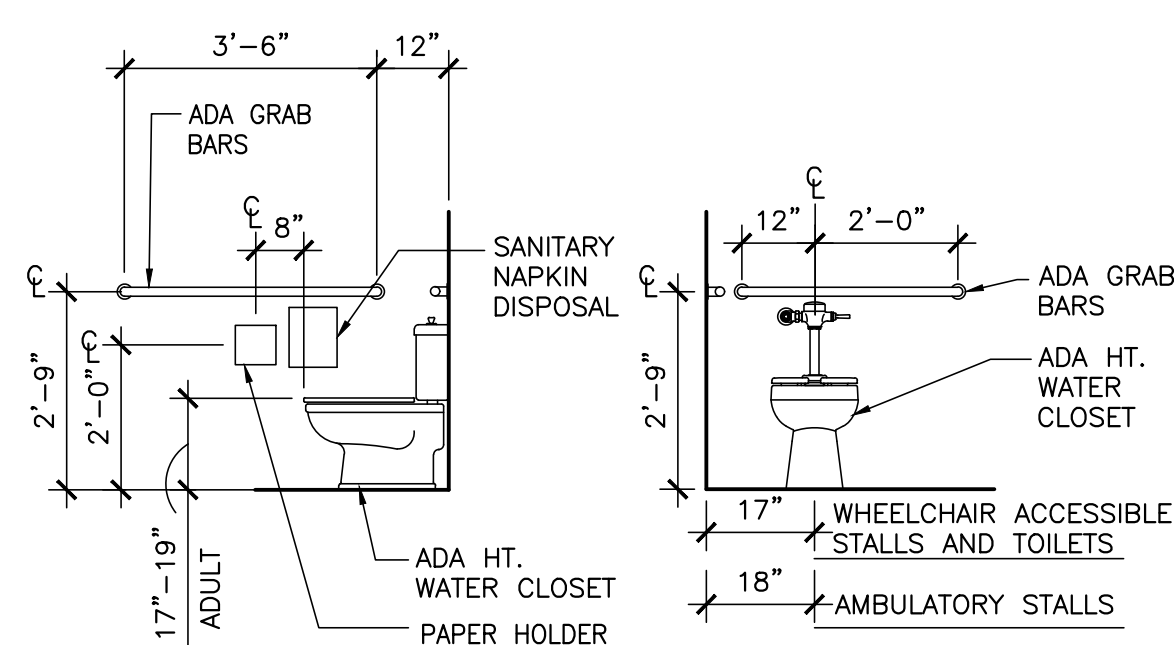
2 INTERIOR ELEVATION @ WOMENS A104 AND MENS A103 (O.H.)
SCALE: 3/8" = 1'-0"



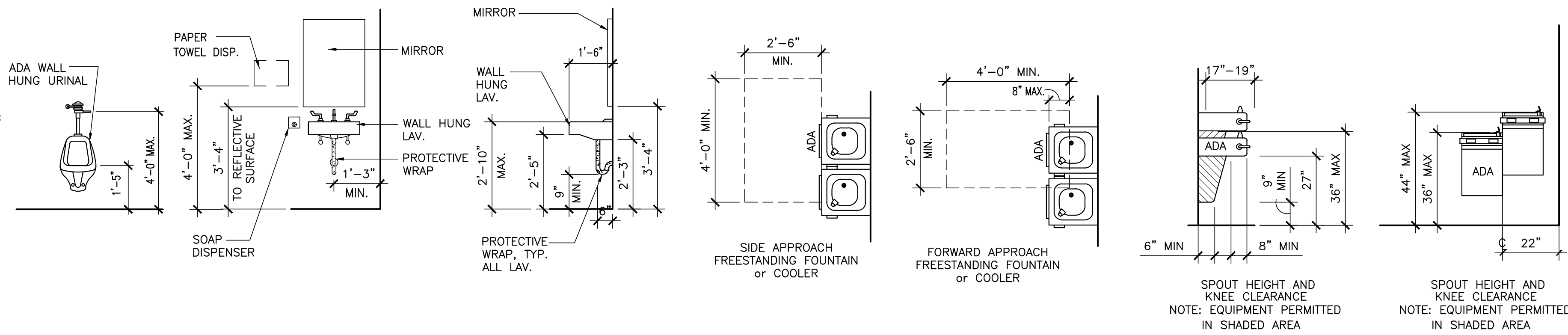
3 INTERIOR ELEVATION @ MENS A103
SCALE: 3/8" = 1'-0"



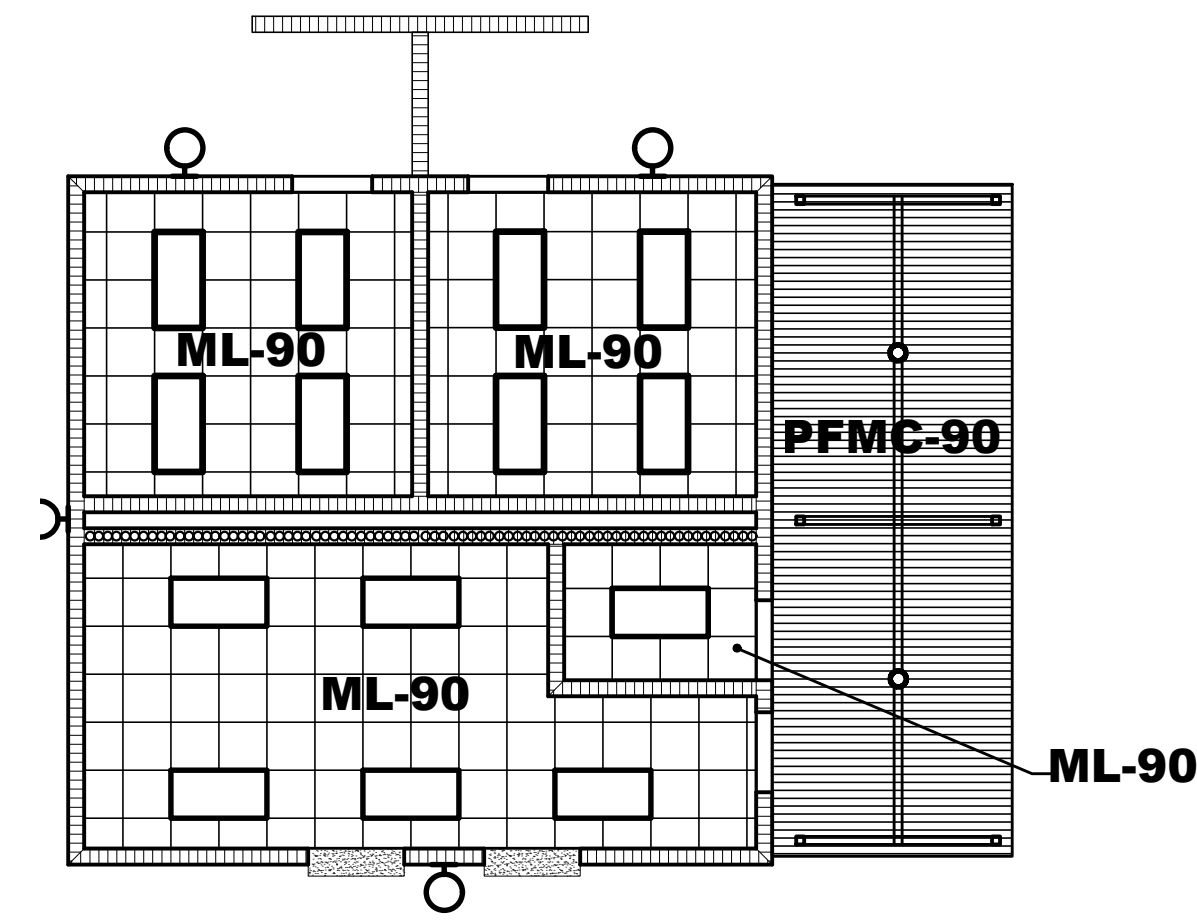
4 INTERIOR ELEVATION @ WOMENS A104
SCALE: 3/8" = 1'-0"



TYPICAL ADA DETAILS
SCALE: 3/8" = 1'-0"



CEILING LEGEND		
FIXTURE TYPES - SEE ELECTRICAL		
CEILING TYPE	CEILING HEIGHTS	
ML - 2 X 2 MOISTURE RESISTANT LAY-IN, AS SPECIFIED	E = MAINTAIN EXIST. CEILING HEIGHT	
PFMC - PREFINISHED METAL CANOPY	90 = 9'-0" AFF	
REFER TO FINISH SYMBOLS ON PLAN FOR MATERIALS AND CEILING HEIGHTS		
CEILING TYPE	GB-90	CEILING HEIGHT
CEILING NOTES		
1. ALL RATED GYPSUM BOARD CEILINGS TO BE TYPE "X" FIRE RATED GYPSUM BOARD. ALL GYPSUM BOARD WITHIN GYMNASIUM TO BE IMPACT RESISTANT		
2. COORDINATE W/ MECH. PLUMBING, & ELECTRICAL DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL, PLUMBING, & ELECTRICAL SYSTEMS.		
3. AFF - ABOVE FINISHED FLOOR		
4. ALL CEILING HEIGHTS INDICATED ARE FROM ADJACENT FINISHED FLOOR.		
5. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES.		
6. ALL CEILING GRIDS ARE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.		
7. ALL MECHANICAL, ELECTRICAL AND PLUMBING ITEMS LOCATED IN ESA (EXPOSED STRUCTURE ABOVE) SHALL BE PAINTED AS DIRECTED BY ARCHITECT		

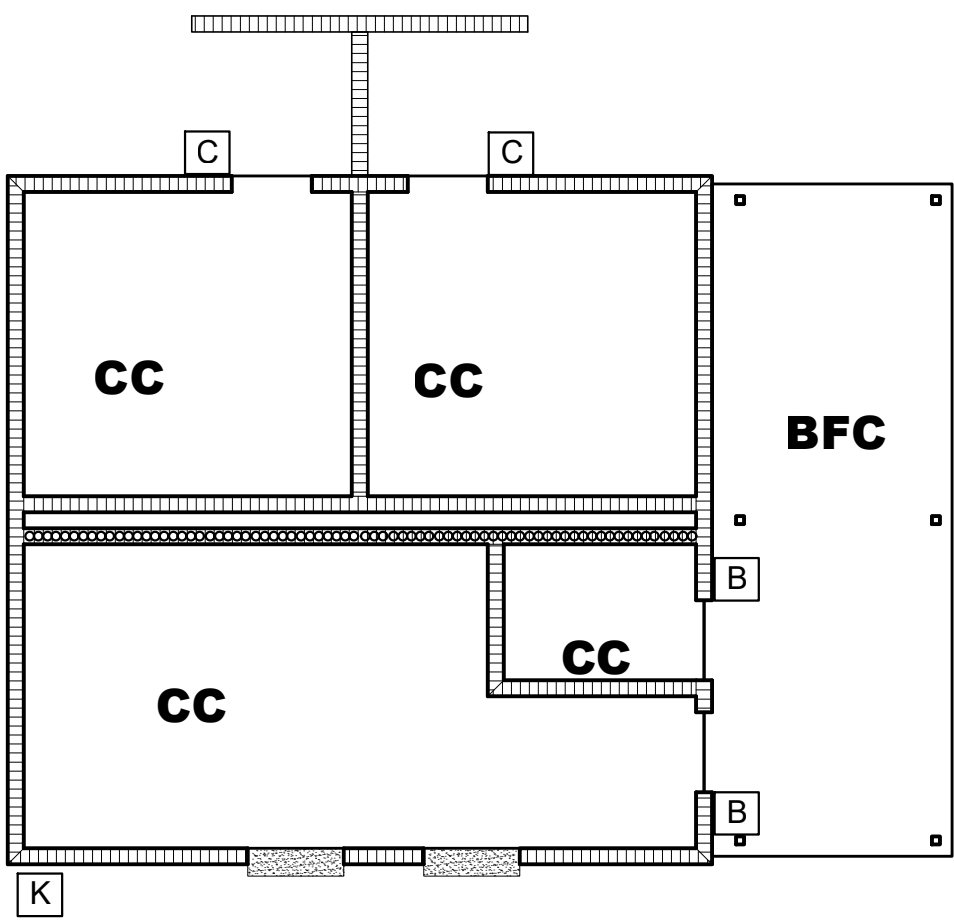


1 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

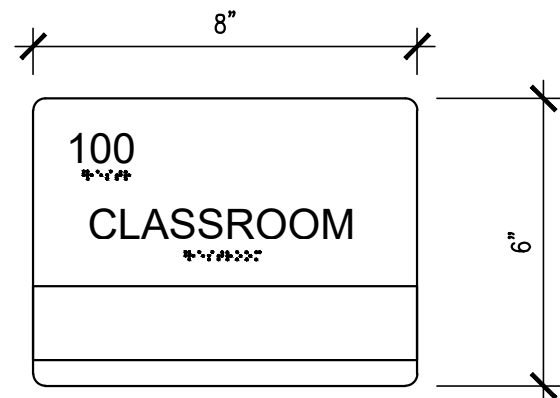
FINISH PATTERN LEGEND	
CC	CC-1 COATED CONCRETE
BFC	BFC-1 BROOM FINISH CONCRETE

COATED / SEALED CONCRETE				PLASTIC LAMINATE			
ITEM	MANUFACTURER	ITEM NUMBERNAME	LOCATION	ITEM	MANUFACTURER	ITEM NUMBERNAME	LOCATION
CC	SHERWIN WILLIAMS	COLOR: SEE SPEC	SEE FINISH PLAN FOR LOCATION	PL-1	WILSONART	PEARL SOAPSTONE 4886-38	COUNTERTOPS/ SHELVEING
BFC	SEE SPEC	SEE SPEC		PAINT			
RUBBER BASE				ITEM	MANUFACTURER	ITEM NUMBERNAME	TYPE/LOCATION
RB-1	TARKETT	4" BASE	ALL INTERIOR LOCATIONS	PNT-1	SHERWIN WILLIAMS	COLOR: SW 7029 AGREEABLE GRAY	GENERAL WALLS EPOXY AT WET AREA
				PNT-2	SHERWIN WILLIAMS	COLOR: SW 7053 ADAPTIVE SHADE	GENERAL TRIM EPOXY AT WET AREA
				PNT-3	SHERWIN WILLIAMS	COLOR: SW 7007 CEILING BRIGHT WHITE	CEILINGS EPOXY AT WET AREA
FINISH ABBREVIATION LEGEND				FINISH NOTES			
APF ACoustic PANEL FABRIC	FP FINISH PROFILE	STC STAINED CONCRETE		ALL WALLS TO BE PAINTED PNT -1 UNLESS NOTED OTHERWISE.			
AP APPLIED WOOD	GYP GYPSUM BOARD	SS SOLID SURFACE		ALL WALLS LOCATED IN WET AREAS, SHALL HAVE EPOXY BASED PAINT			
BFC BROOM FINISH	IC IMPRINTED CONCRETE	ST STAIN		AT WET AREAS WHERE RUBBER BASE IS SCHEDULED TO BE INSTALLED, PROVIDE WATERPROOFING WHERE BASE MEETS FLOOR AS REQUIRED.			
BFC CONCRETE	LVT LUXURY VINYL TILE	TP TACKABLE					
CC COATED CONCRETE	PL PLASTIC LAMINATE	TP TACKABLE					
CM CROWN MOLDING	PNT PAINT	TS TACKABLE SURFACE					
CPT CARPET	PTB PORCELAIN TILE	VCB VENTED COVE BASE					
CR CHAIR RAIL	PTB PORCELAIN TILE BASE	VCT VINYL COMP. TILE					
DP DIGITAL PANEL	QT QUARRY TILE	WB WOOD BASE					
CWT CERAMIC WALL TILE	QTB QUARRY TILE BASE	WC WALLCOVERING					
ERB EPOXY RESIN BASE	RB RUBBER BASE	WD WOOD					
ERF EPOXY RESIN FLOOR	RF RUBBER FLOOR	WF WOOD FLOORING					
ESD STATIC CONTROL TILE	SC SEALED CONCRETE	WP WOOD PANELING					
	SDF STUDIO DANCE FLOOR	WV WOOD VENEER					

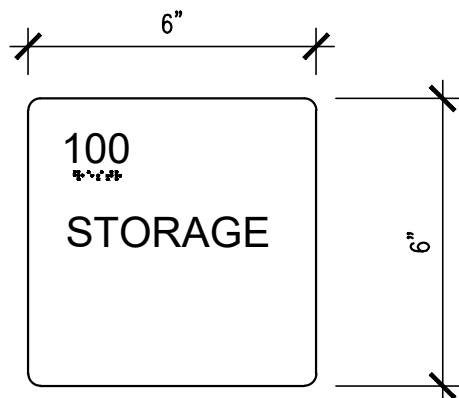
FINISH SCHEDULE													
NO.	ROOM NAME	FLOOR	BASE	MILLWORK		WALLS (PROJECT NORTH)				DOOR FRAME	CEILING/SOFFIT PAINT	NOTES	
				FACE	TOP	NORTH	SOUTH	EAST	WEST				
A100	OUTDOOR PATIO	BFC-1	NO BASE	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2			
A101	CONCESSIONS	CC-1	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT IN WET AREAS	
A102	ELECTRIC	CC-1	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT IN WET AREAS	
A103	MENS	CC-1	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT IN WET AREAS	
A104	WOMENS	CC-1	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EPOXY PAINT IN WET AREAS	



2 FLOOR FINISH & SIGNAGE PLAN
SCALE: 1/8" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - A)
SCALE: 3" = 1'-0"



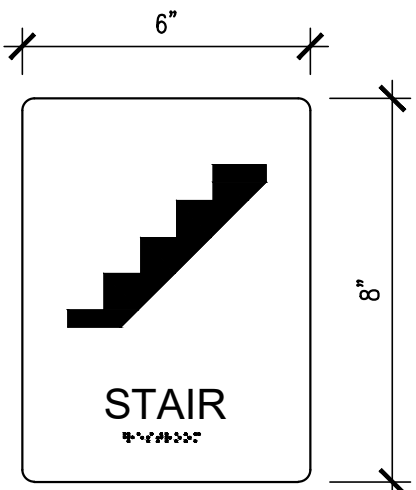
INTERIOR SIGNAGE (SIGN TYPE - B)
SCALE: 3" = 1'-0"



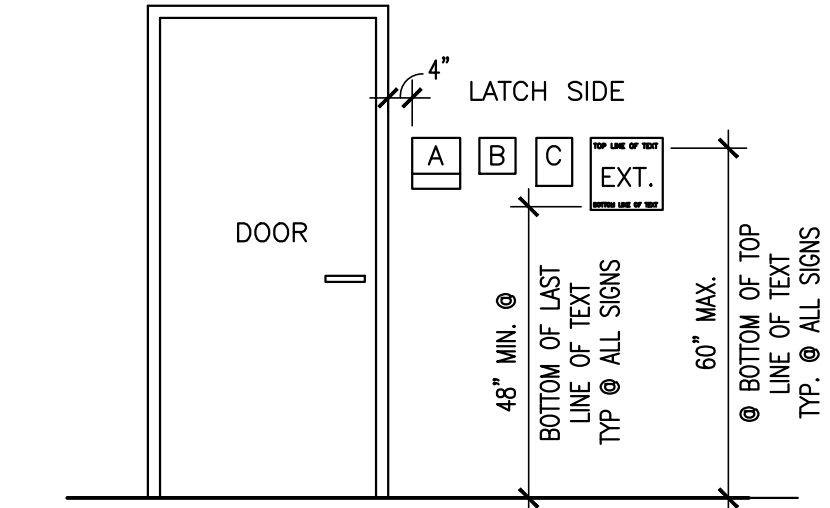
INTERIOR SIGNAGE (SIGN TYPE - C)
SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN TYPE - D)
SCALE: 3" = 1'-0"



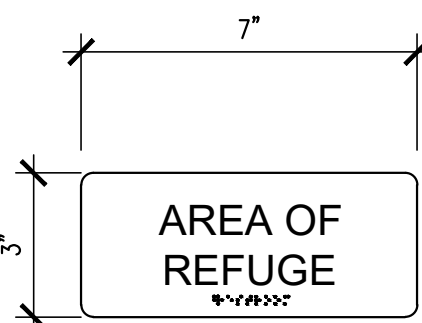
INTERIOR SIGNAGE (SIGN TYPE - E)
SCALE: 3" = 1'-0"



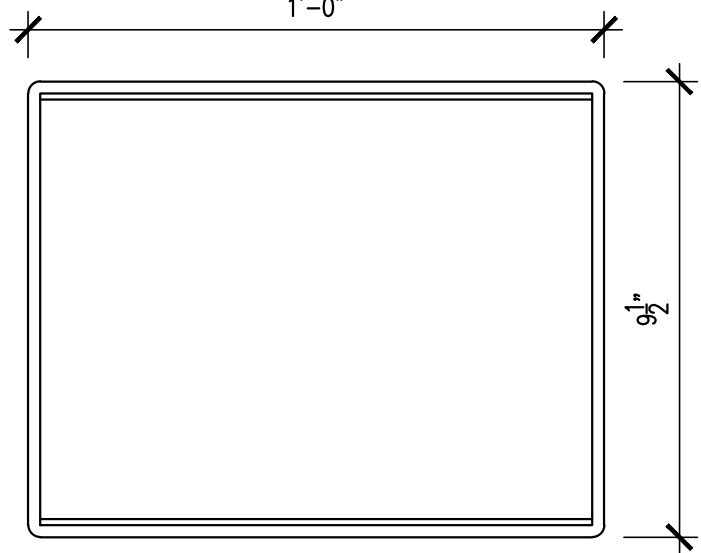
SIGNAGE LEGEND:
A - OFFICES, CLASSROOMS, INSTRUCTIONAL AREAS SIGNAGE
B - OTHER INTERIOR DOOR SIGNAGE
C - RESTROOM SIGNAGE W/ PICTOGRAM
EXT - EXTERIOR SIGNAGE

NOTE:
1. TYPICAL SIGNAGE LOCATION AND HEIGHTS SHOWN. SEE SPECIFICATIONS FOR SIGN SIZE AND REQUIREMENTS.
2. ALIGN TOP OF ALL SIGNS AS SHOWN, TYPICAL UNLESS OTHERWISE REQUIRED BY THE AMERICANS WITH DISABILITIES ACT.
3. SEE TORNADO SHELTER PLANS FOR SHELTER SIGNAGE IF APPLICABLE.

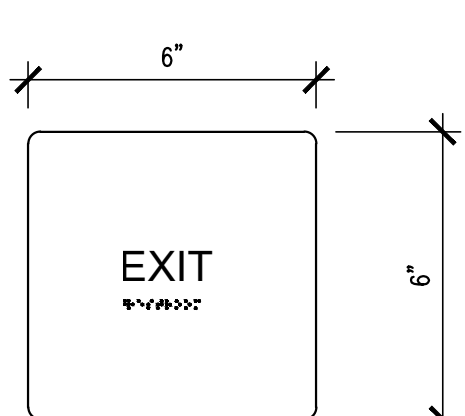
INTERIOR SIGNAGE LEGEND	
A	SIGN WITH MESSAGE STRIP (OFFICES/CLASSROOM/INSTRUCTIONAL AREA)
B	ROOM NUMBER AND NAME (STORAGE, ELECTRICAL, ETC)
C	RESTROOM SIGNAGE WITH PICTOGRAM/BRAILLE
D	ELEVATOR SIGNAGE WITH PICTOGRAM/BRAILLE
E	STAIR SIGNAGE WITH PICTOGRAM/BRAILLE
F	AREA OF REFUGE SIGN
G	FRAMED CLEAR VIEW SIGNAGE (8.5X11)
H	TACTILE EXIT SIGN TO EXTERIOR (EXIT)
J	OCCUPANT LOAD SIGN (ASSEMBLY SPACES)
K	BUILDING DEDICATION PLAQUE



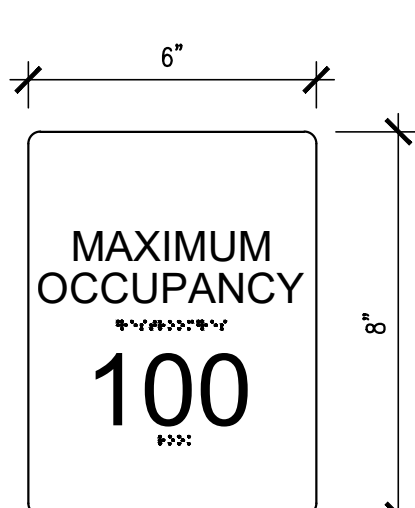
INTERIOR SIGNAGE (SIGN TYPE - F)
SCALE: 3" = 1'-0"



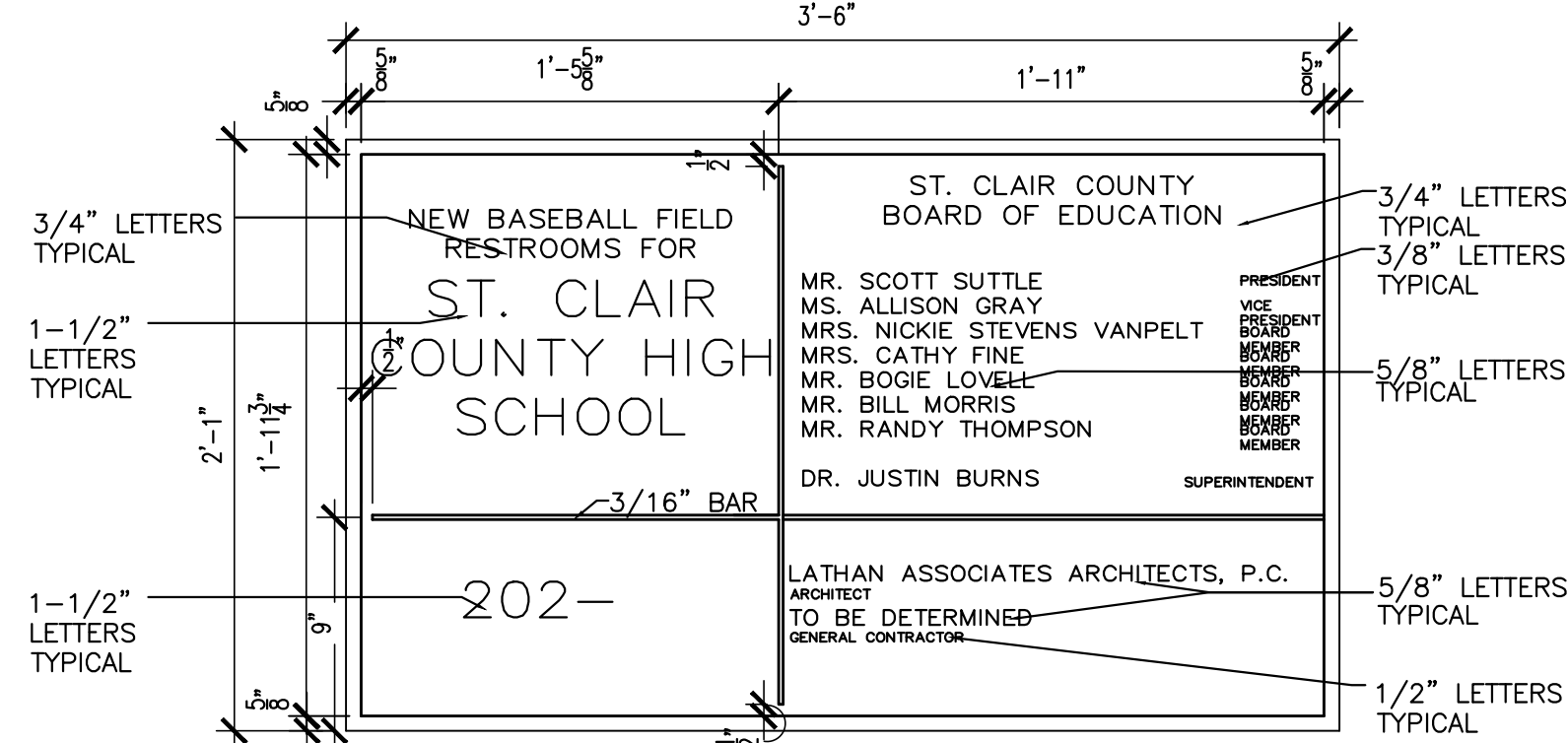
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INTERIOR SIGNAGE (SIGN TYPE - H)
SCALE: 3" = 1'-0"



INTERIOR SIGNAGE (SIGN - TYPE J)
SCALE: 3" = 1'-0"



BUILDING PLAQUE (SIGN - TYPE K)
1-1/2" = 1'-0"
FINAL VERBIAGE SHALL BE VERIFIED PRIOR TO FABRICATION

LATHAN ARCHITECTS

NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION

SHEET TITLE:
REFLECTED CEILING PLAN,
FLOOR FINISH PLAN, DETAILS,
LEGENDS, AND SCHEDULES

PROJ. MGR.: R. VERNON
DRAWN: B. LUCAS

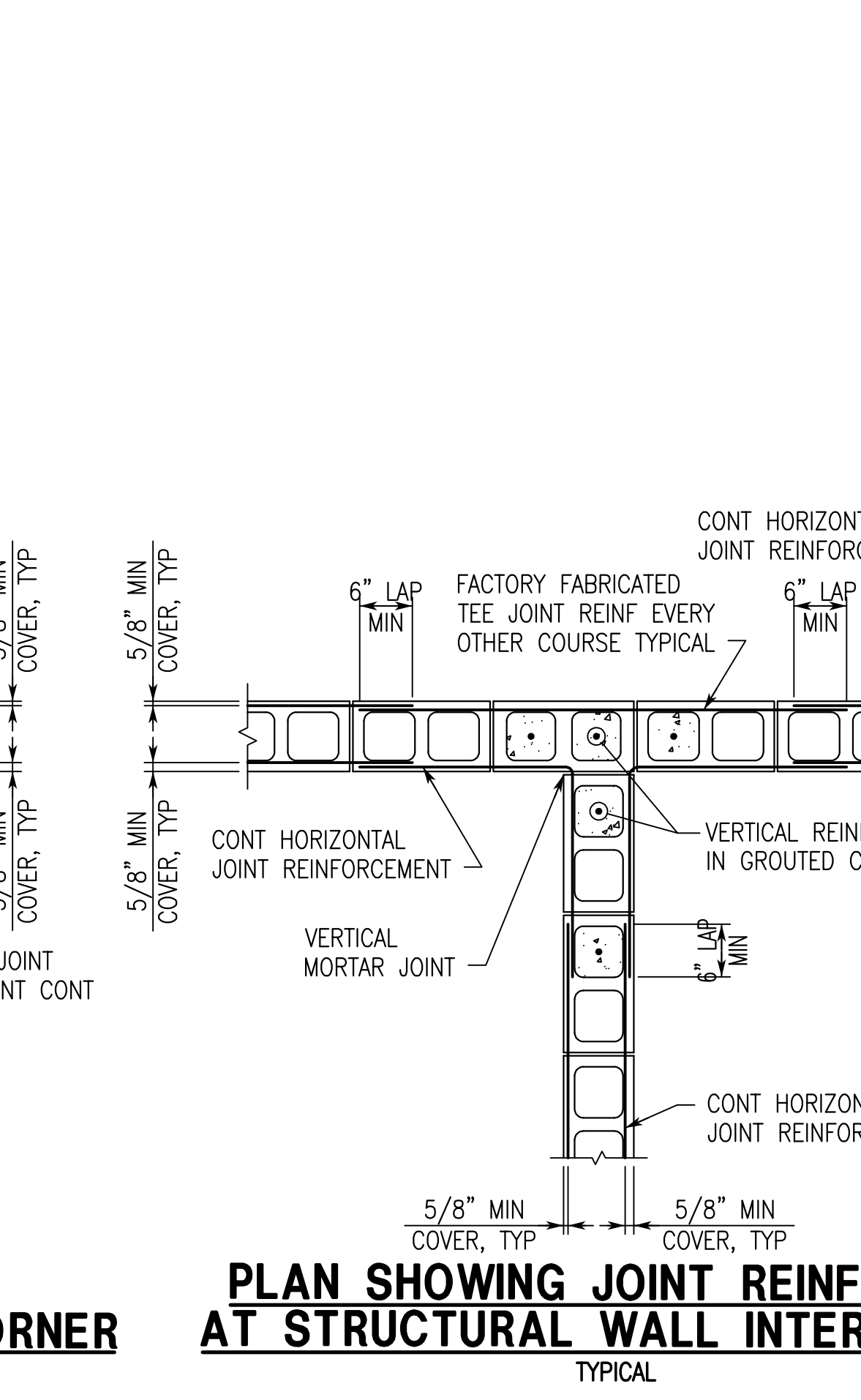
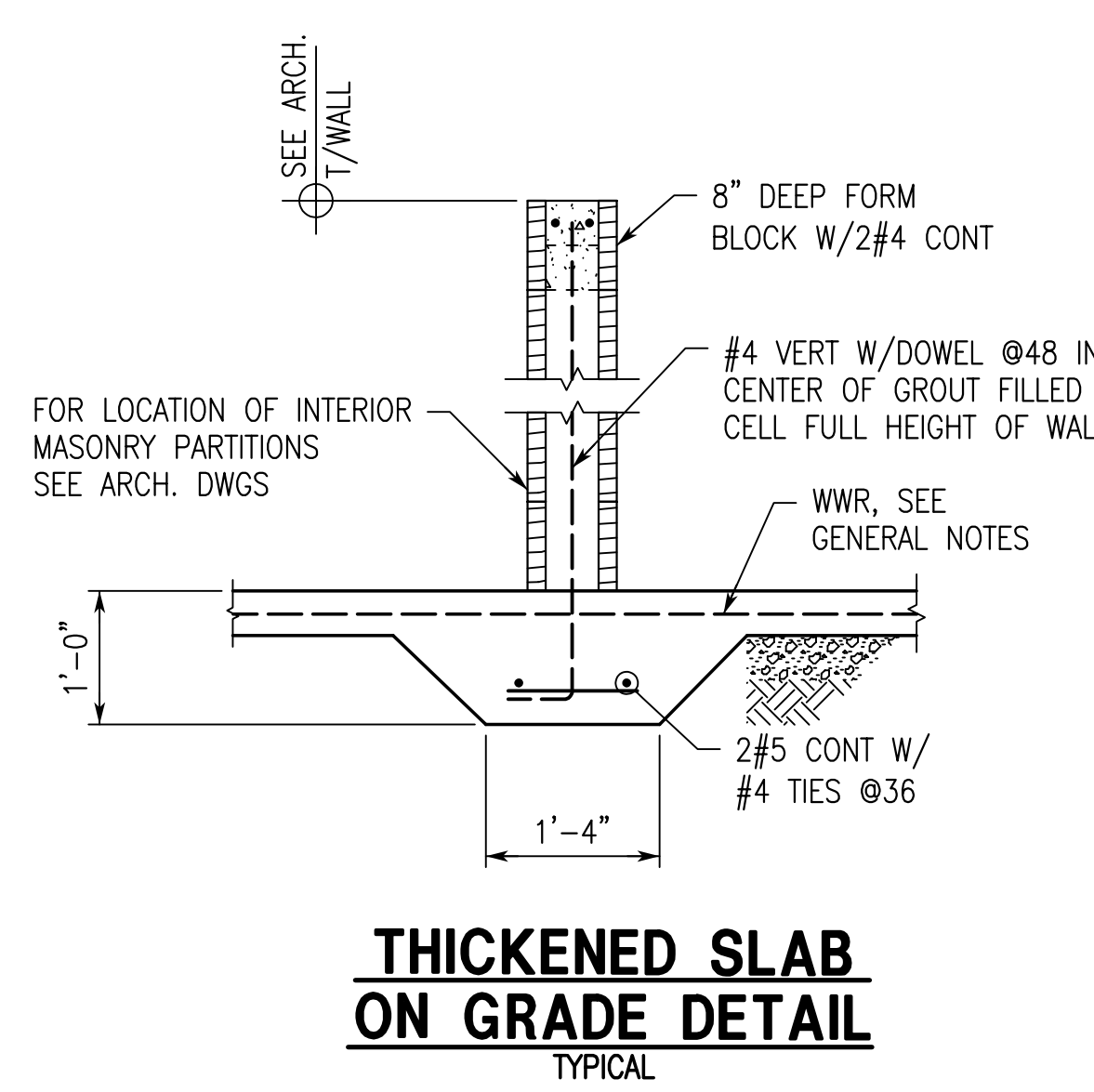
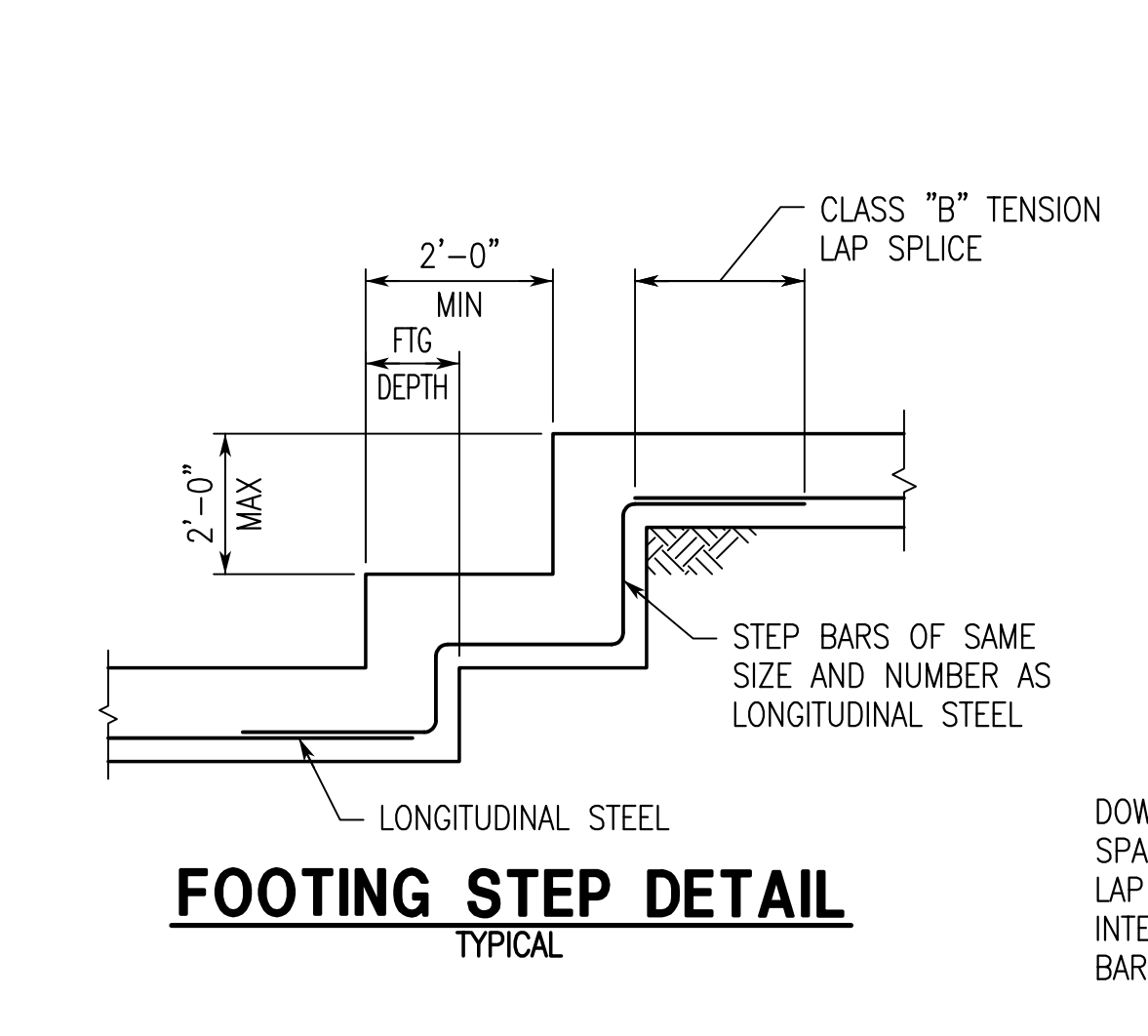
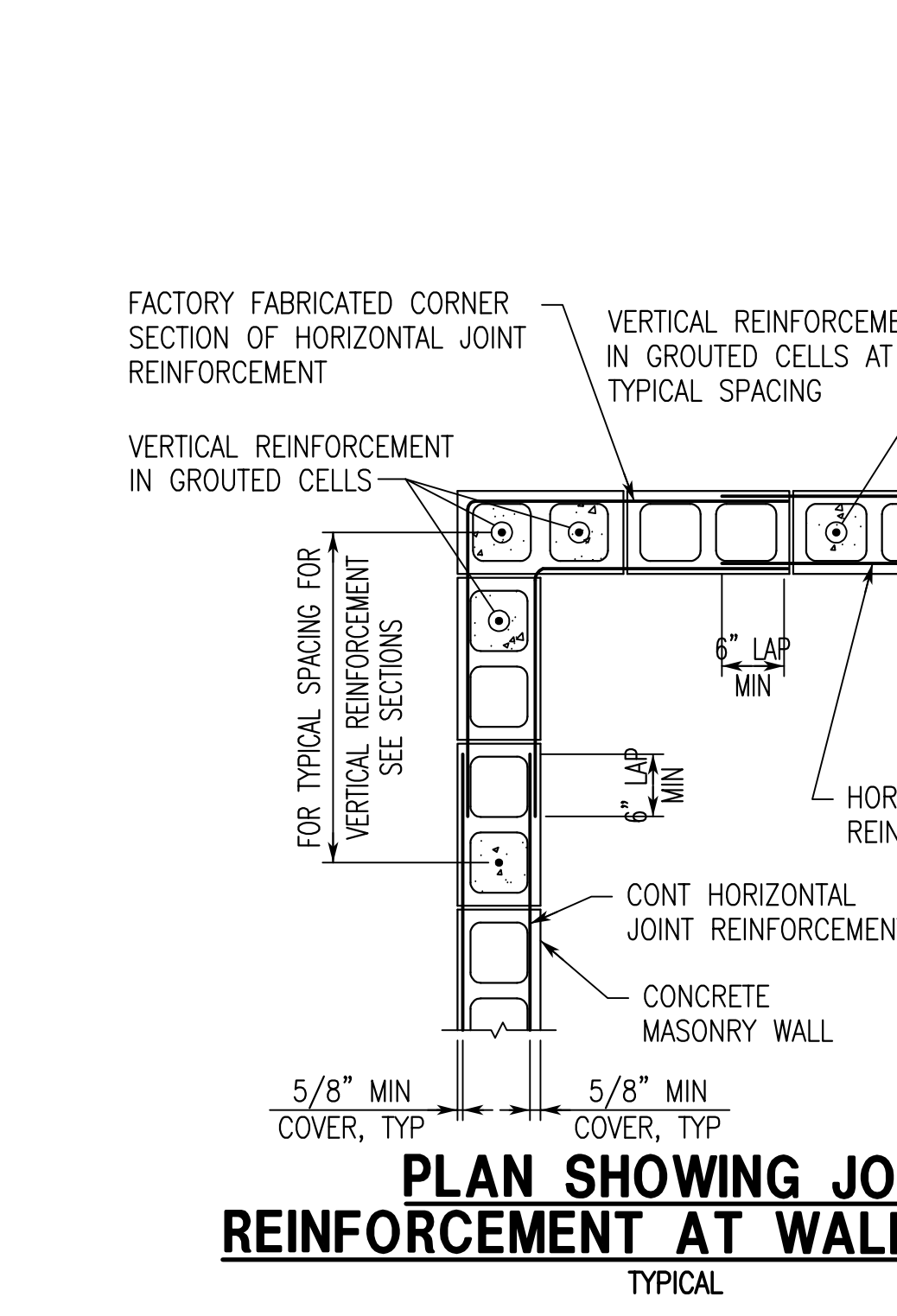
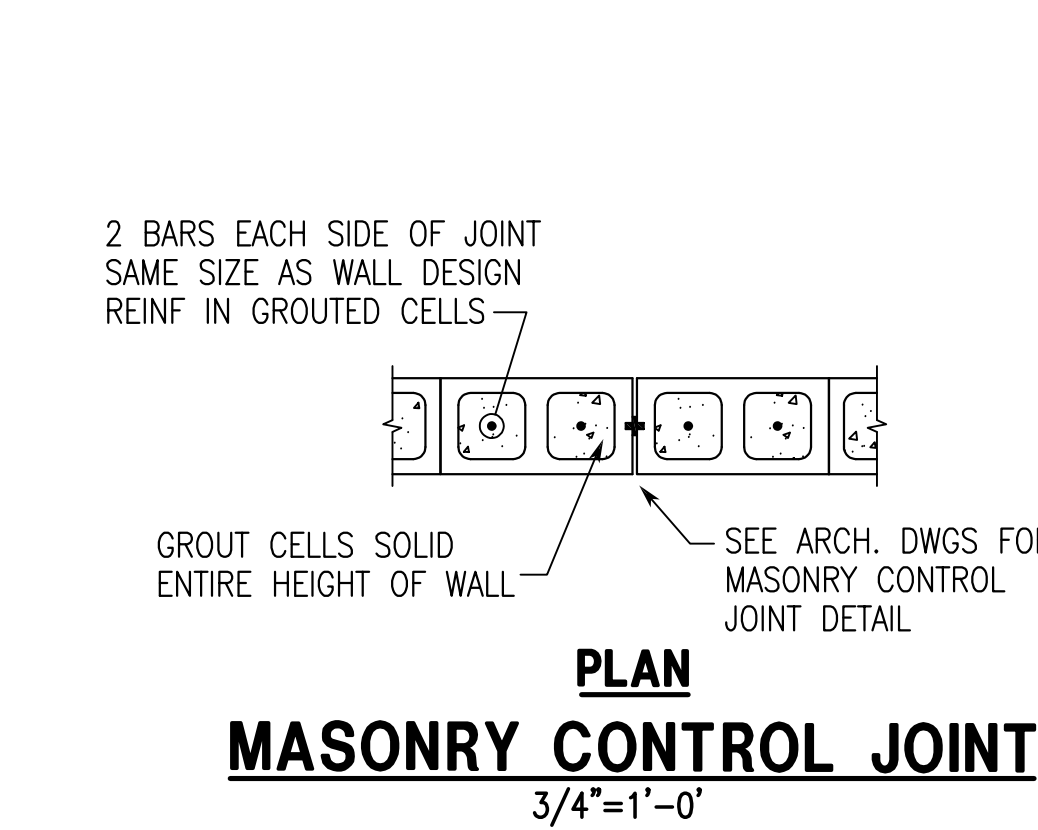
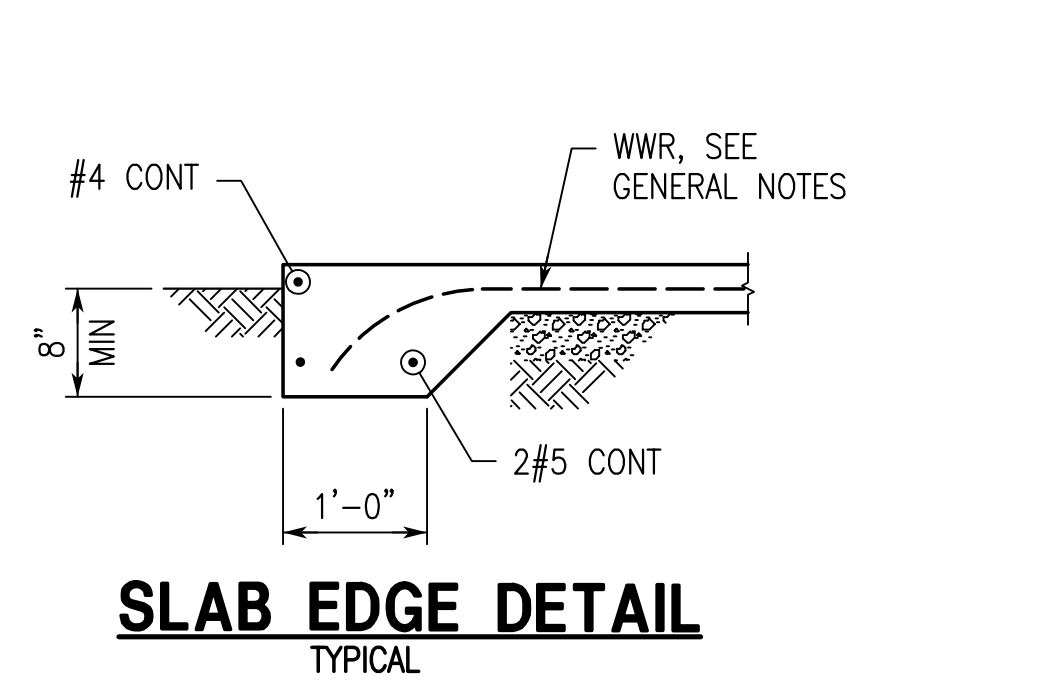
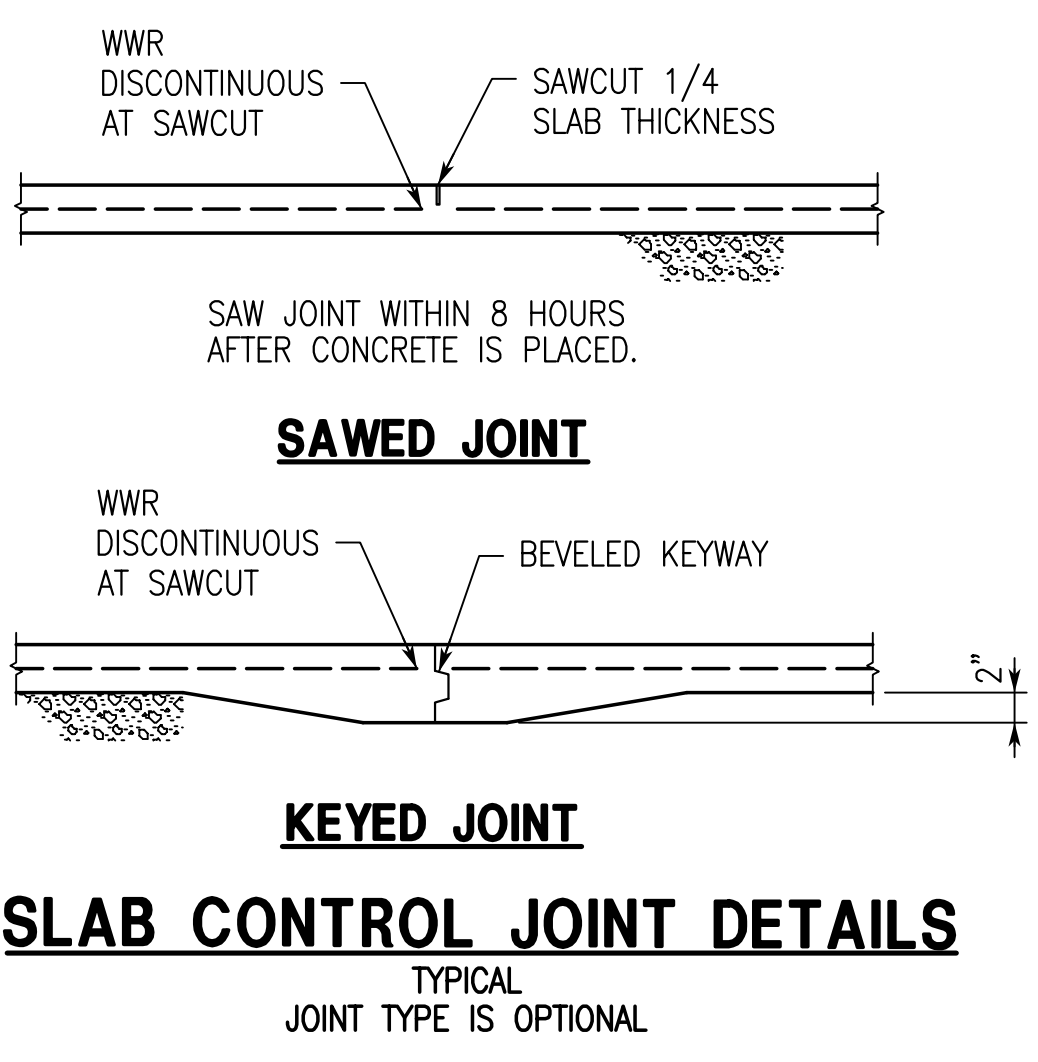
DATE: APRIL, 15 2025

REVISIONS

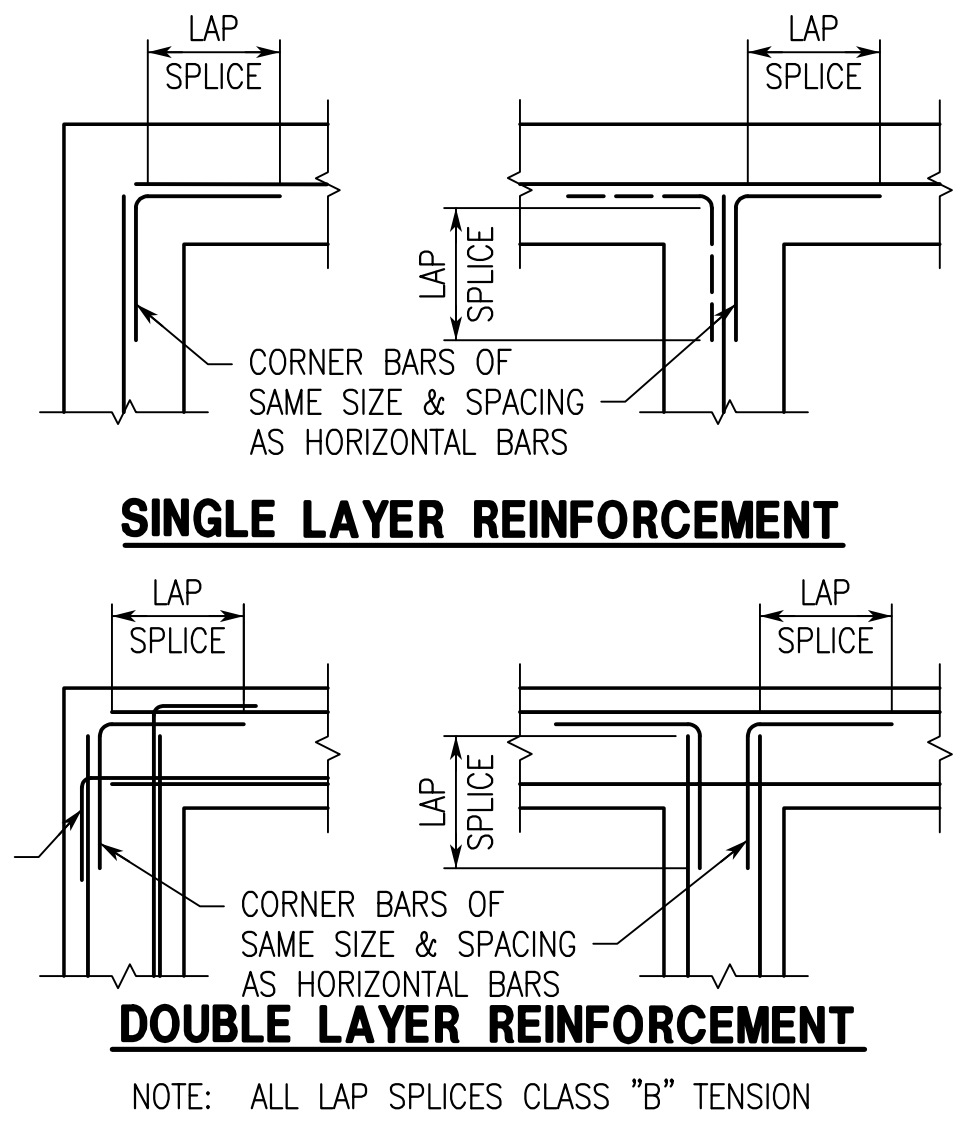
JOB NO. **25-07**

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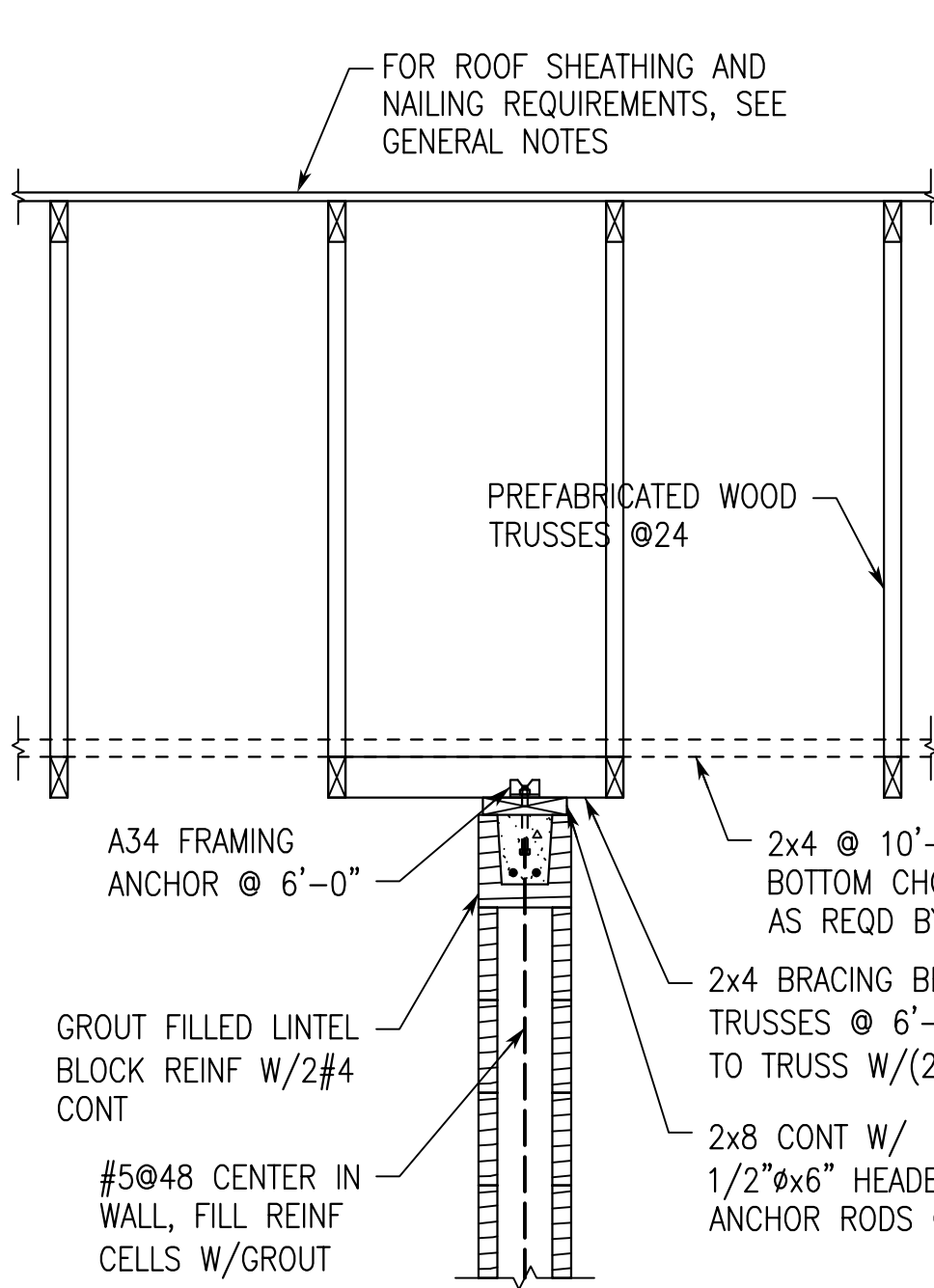
7 OF 7



DOWEL BARS OF SAME SIZE &
SPACING AS HORIZONTAL BARS.
LAP 48 BAR DIAMETERS PAST
INTERSECTION OF HORIZONTAL
BARS



**FOOTING, SLAB OR WALL
CORNER REINFORCING DETAIL**
TYPICAL



MASONRY WALL SUPPORT AT ROOF

TENSION LAP SPLICE LENGTHS				
BAR SIZE	f _c = 3000 PSI			
	TOP BARS		OTHER BARS	
	A	B	A	B
#3	22"	28"	17"	22"
#4	29"	37"	22"	29"
#5	36"	47"	28"	36"
#6	43"	56"	33"	43"
#7	63"	81"	48"	63"

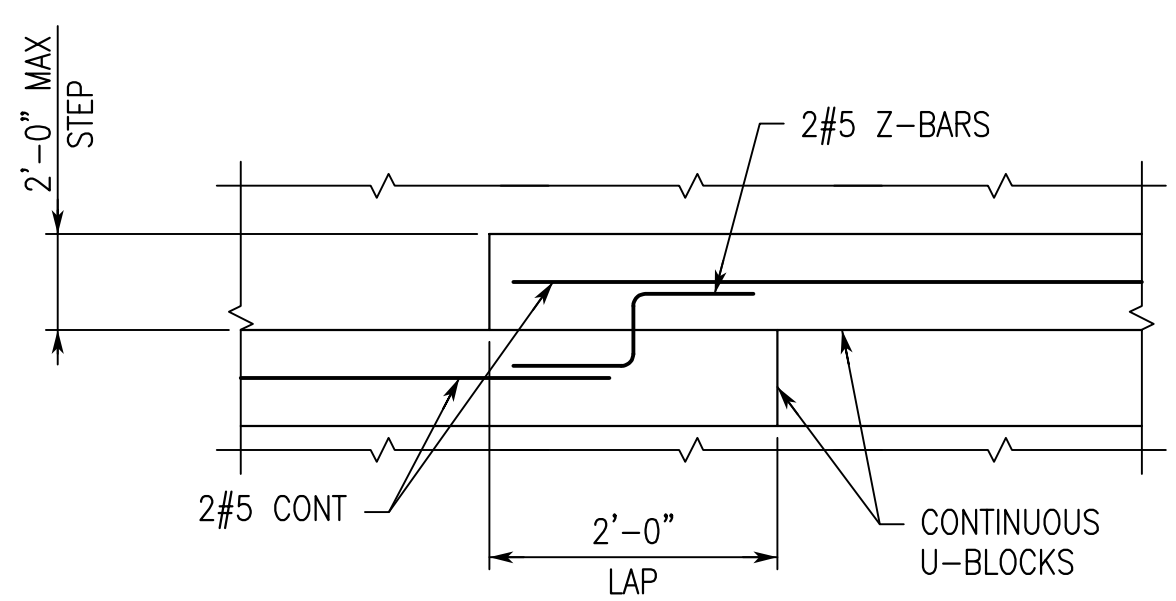
TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE
THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.

MASONRY LINTEL SCHEDULE			
MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS AND REINFORCING	DEPTH	8" WALL
2'-0"	16	1#4 BOT	
4'-0"	16	1#4 BOT	
6'-0"	16	1#5 BOT & 1#4 TOP	
8'-0"	16	1#6 BOT & 1#5 TOP	
10'-0"	16	1#7 BOT & 1#5 TOP	
12'-0"	16	1#8 BOT & 1#5 TOP	

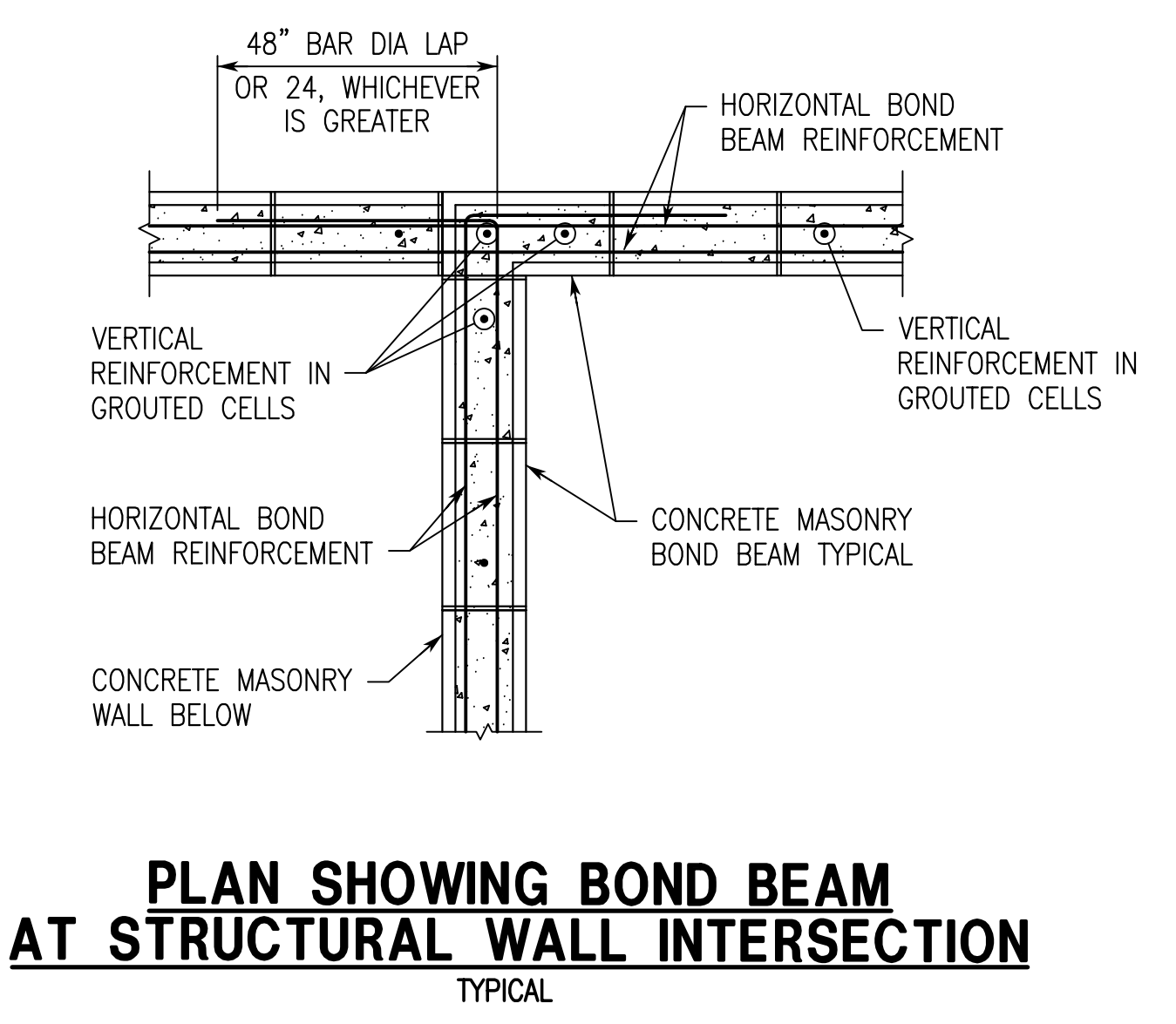
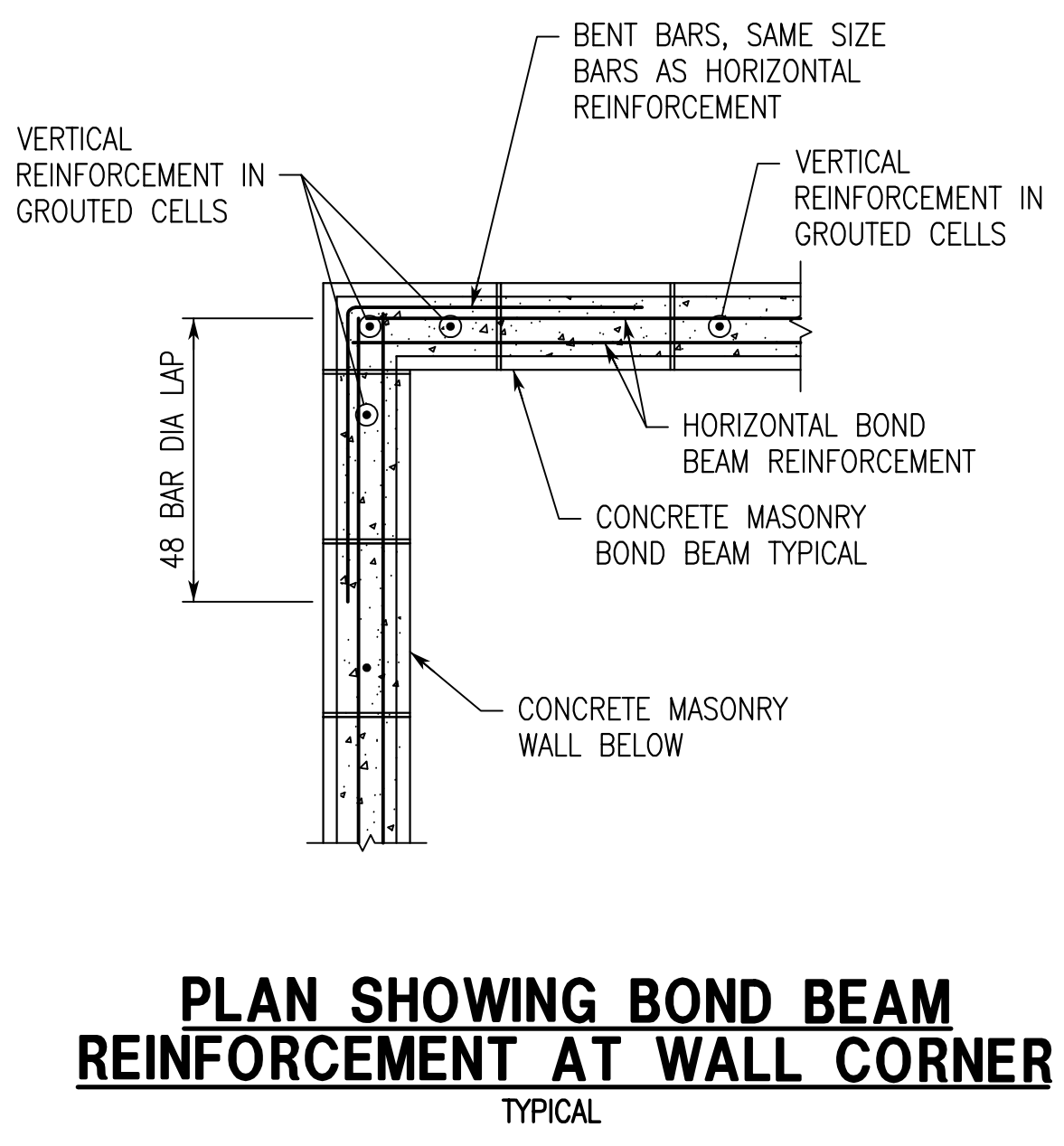
- DO NOT USE THIS SCHEDULE IF CONCENTRATED
LOAD IS APPLIED TO THE LINTEL AT A HEIGHT
LESS THAN HALF THE SPAN ABOVE THE LINTEL,
OR IF STACK BOND IS SPECIFIED.
- PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
FOR LINTELS GREATER THAN 6'-0" FILL CELLS
SOLID AT EACH SIDE OF OPENING.
- ALL EXPOSED LINTEL ANGLES TO BE HOT DIP
GALVANIZED.
- SHORE LINTEL UNTIL MORTAR AND GROUT HAVE
SET AND CURED.

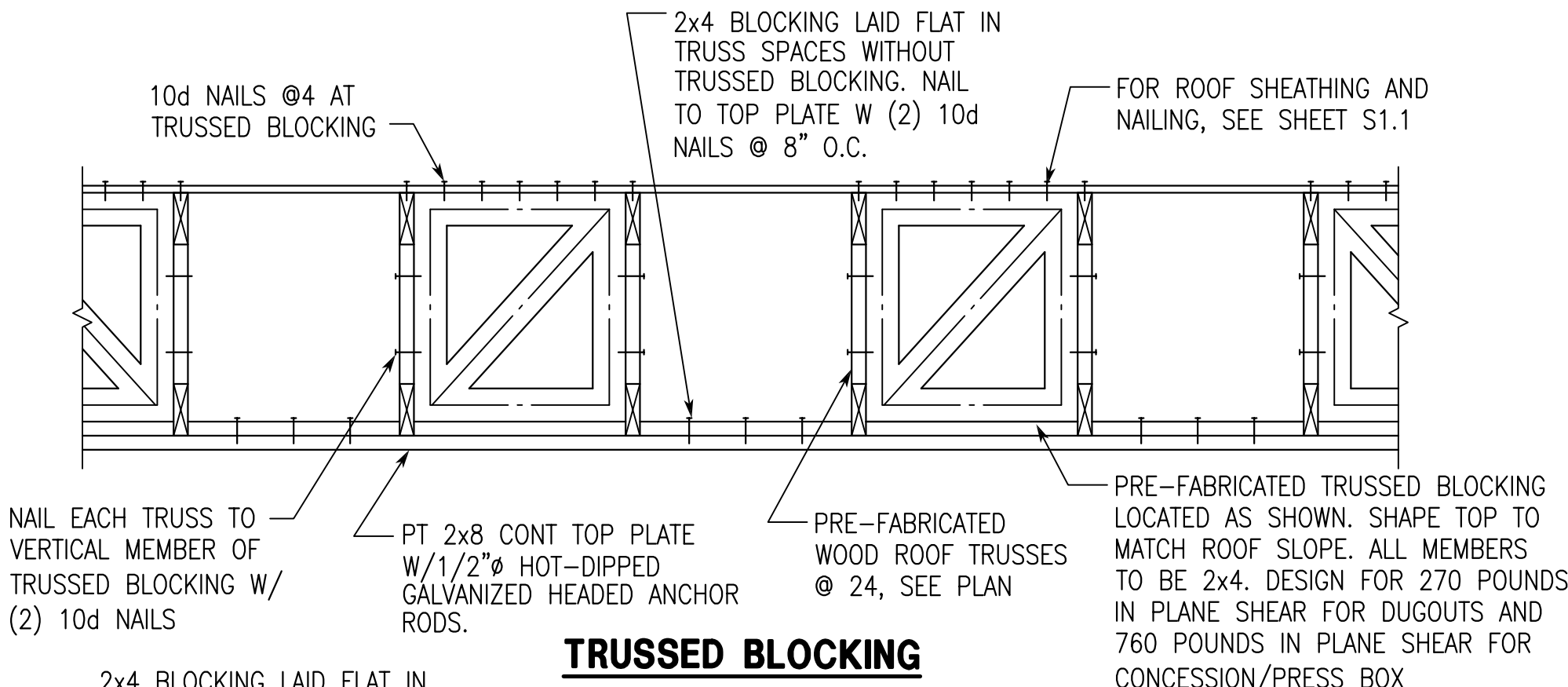
MASONRY REINFORCING LAP SPLICE LENGTHS		
BAR SIZE (#)	CENTERED (IN.)	EDGE (IN.)
3	18.0	18.0
4	24.0	29.0
5	30.0	45.0
6	43.0	54.0
7	60.0	63.0
8	72.0	72.0
9	82.0	82.0

- NOTES:
- LAP SPLICE LENGTHS APPLY TO BOTH HORIZONTAL
AND VERTICAL REINFORCING.
 - REINFORCEMENT LARGER THAN NO. 9 BAR SHALL
BE SPLICED USING MECHANICAL CONNECTIONS IN
ACCORDANCE WITH ACI 530 & ACI 530.1.

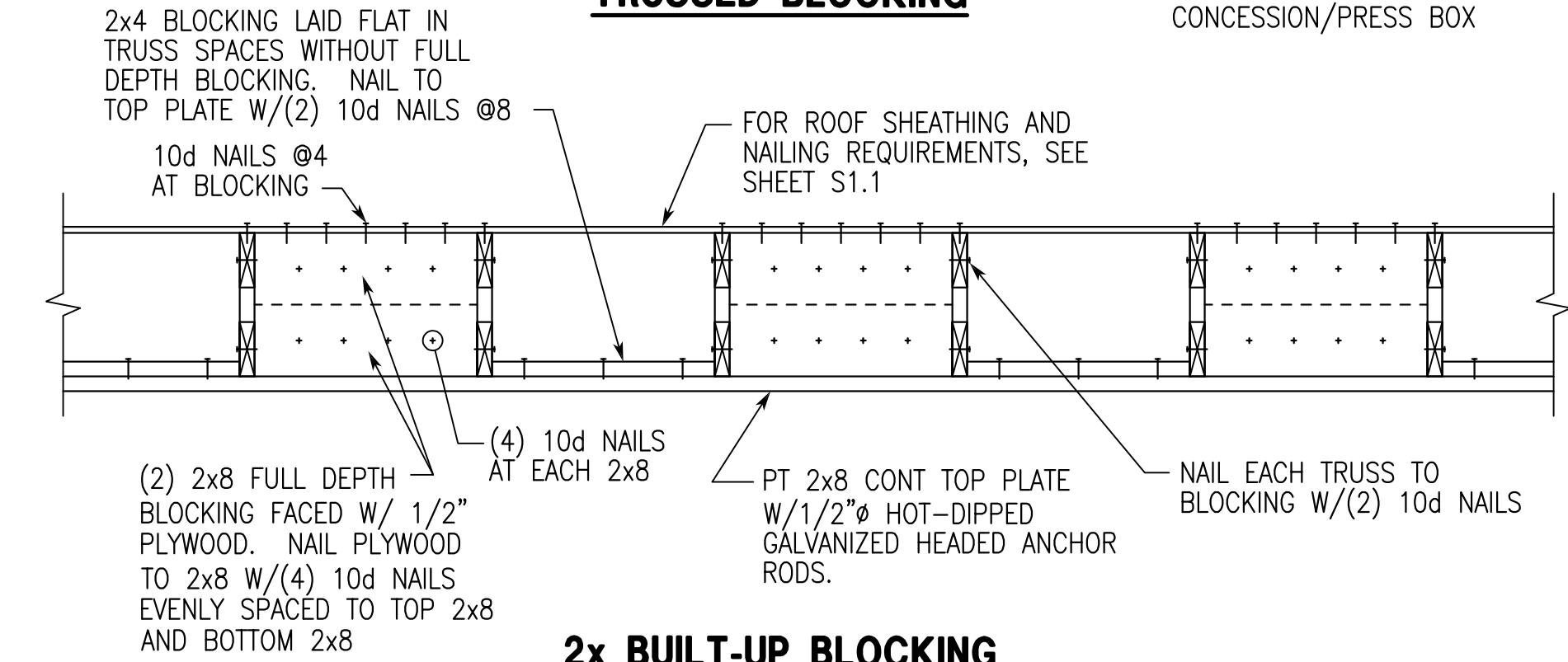


MASONRY BOND BEAM STEP DETAIL
TYPICAL





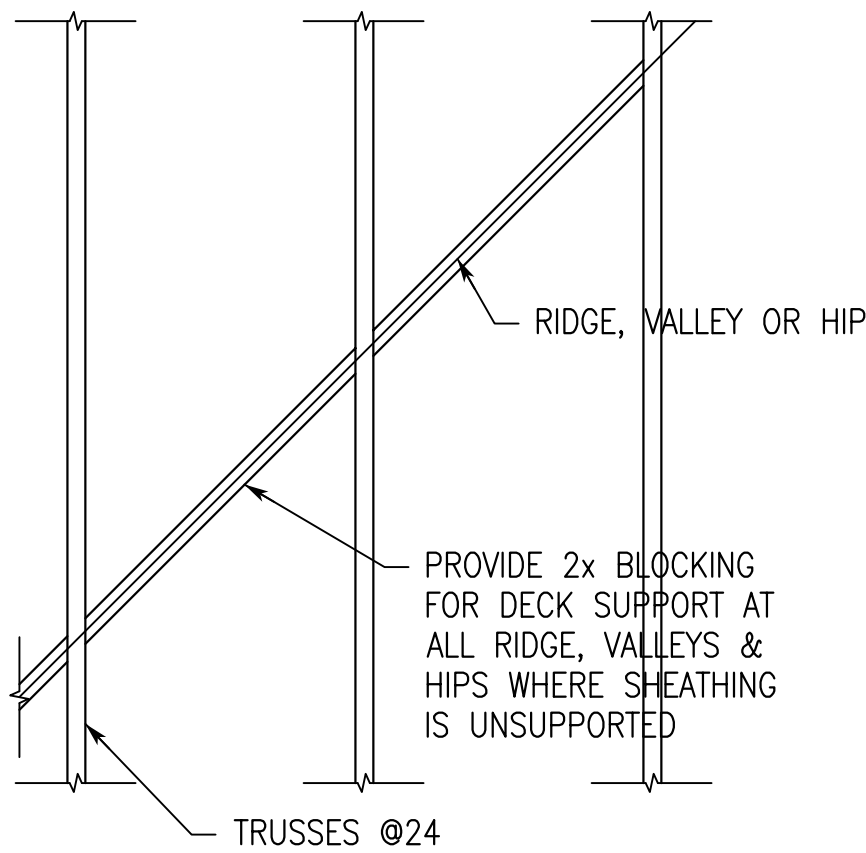
TRUSSED BLOCKING



2x BUILT-UP BLOCKING

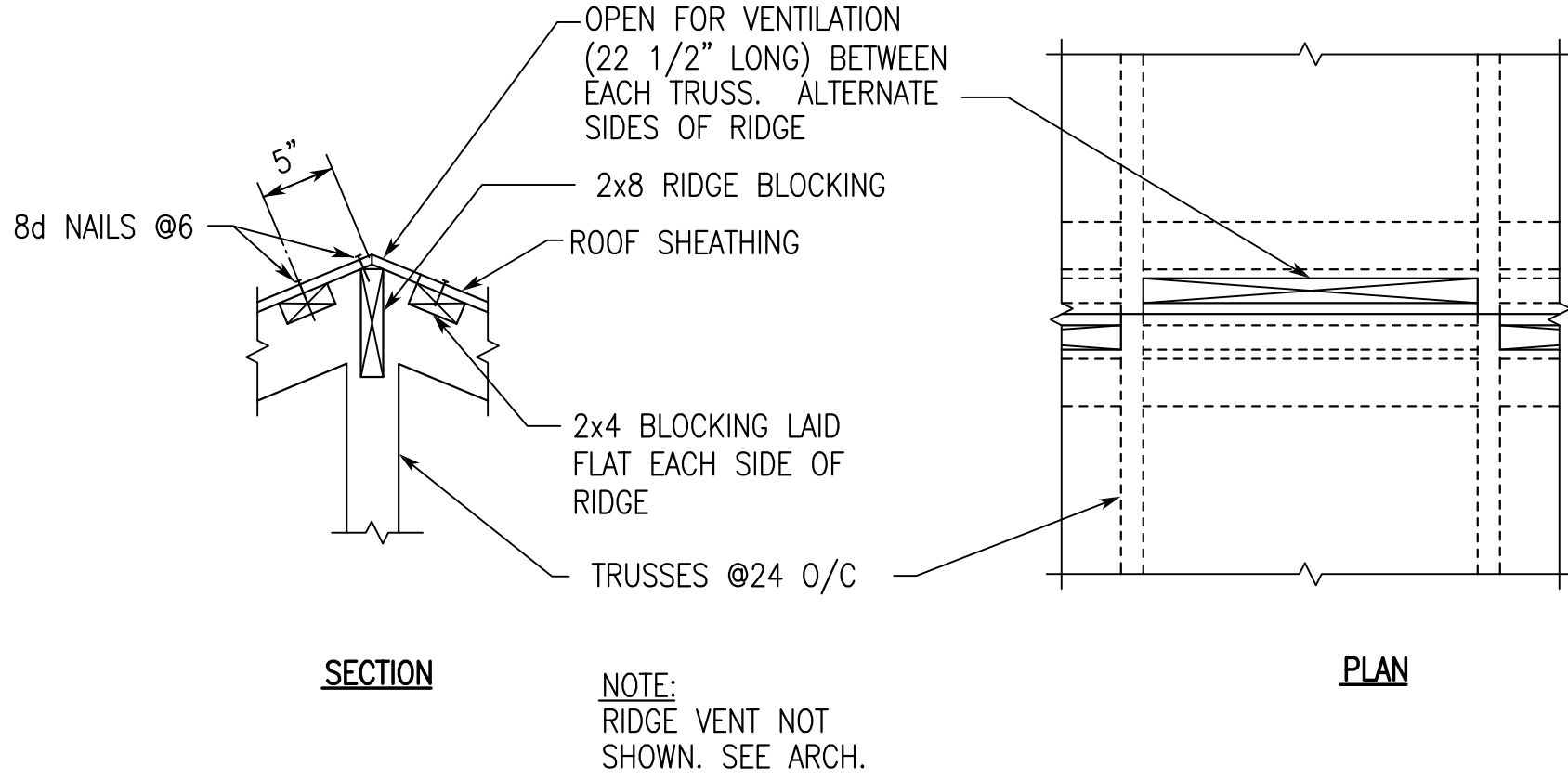
TRUSS BLOCKING AT EXTERIOR WALL

NOTE:
CONTRACTORS OPTION TO USE EITHER TRUSSED BLOCKING OR 2x BUILTUP BLOCKING AT AREAS WHERE TRUSS HEEL HEIGHT EXCEEDS THAT WHICH TYPICAL 2x SOLID DEPTH BLOCKING IS PRACTICAL.



ROOF SHEATHING SUPPORT DETAIL

TYPICAL

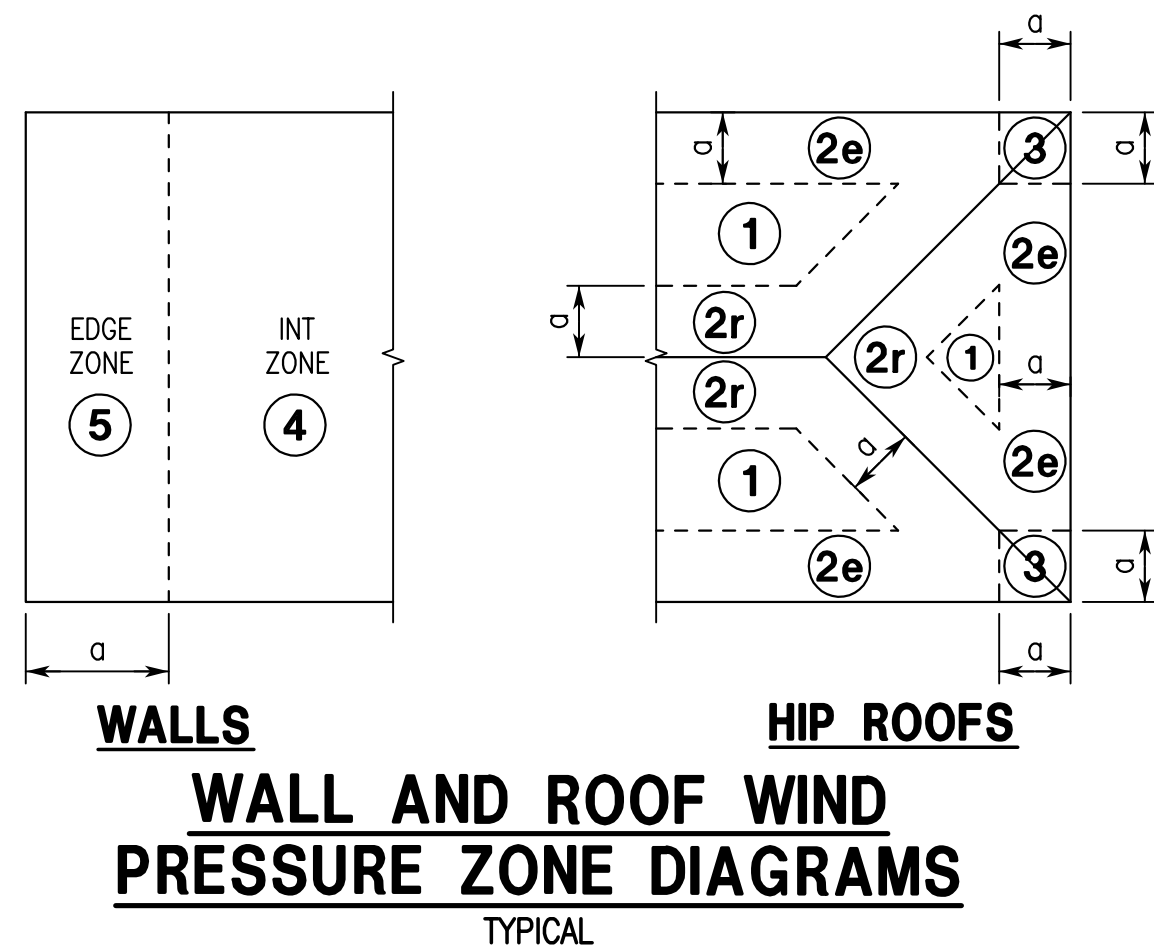


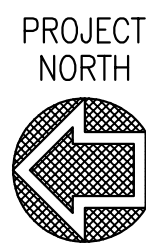
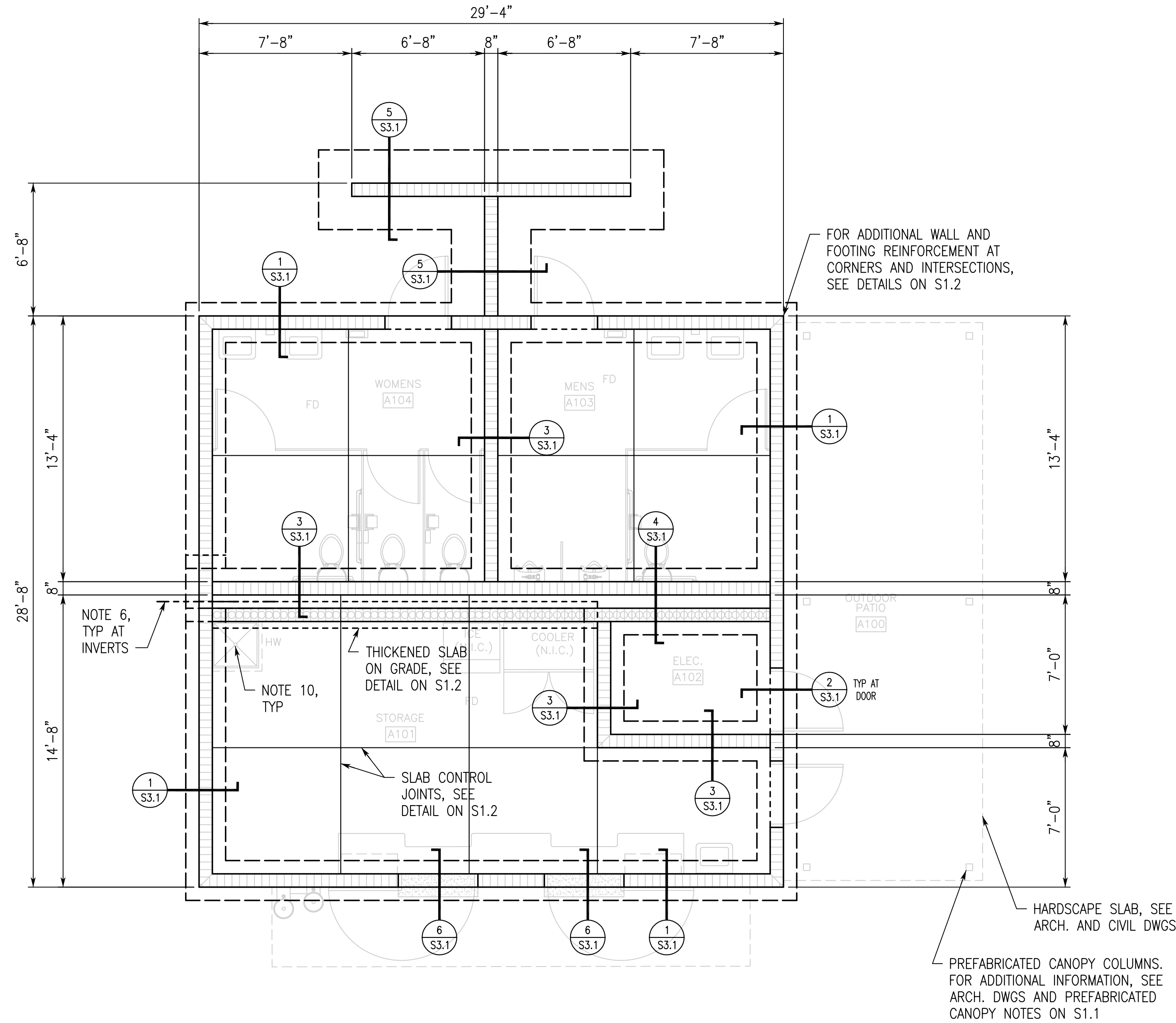
BLOCKING AT RIDGE VENT

TYPICAL

COMPONENTS AND CLADDING WIND LOADS FOR ROOF (PSF)									
114 MPH VELOCITY (3-SEC. GUST)	EFFECTIVE WIND AREA (FT²)	ROOF				OVERHANG			
		Positive Max. Net Pressure 'p' (PSF)	Zone 1 & 2e (Int.)	Zone 2n, 2r, & 3e (Edge)	Zone 3r (Corner)	Zone 1 & 2e (Int.) - Max. Net Pressure 'p' (PSF)	Zone 2n & 2r (Edge) - Max. Net Pressure 'p' (PSF)	Zone 3e (Corner) - Max. Net Pressure 'p' (PSF)	Zone 3r (Corner) - Max. Net Pressure 'p' (PSF)
		10	19.3	-58.8	-85.7	-101.9	-67.4	-94.3	-110.5
		20	17.4	-58.8	-74.1	-87.3	-67.4	-85.6	-95.4
		50	16.0	-35.7	-58.8	-68.0	-52.0	-74.1	-75.5
		100	16.0	-18.3	-47.1	-53.4	-40.4	-65.4	-60.4
		200	16.0	-18.3	-35.5	-53.4	-40.4	-56.7	-45.3
		500	16.0	-18.3	-31.8	-53.4	-40.4	-53.9	-40.4

- NOTES:
- WIDTH OF EDGE STRIP 'a' = 3'-0".
 - VALUES SHOWN ABOVE HAVE BEEN ADJUSTED FOR BUILDING HEIGHT AND EXPOSURE ACCORDING TO ASCE 7-16 STANDARD TABLE 30.3-1. VALUES SHOWN ARE ULTIMATE.
 - PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
 - EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH.
 - CONSIDER 5 PSF MINIMUM DEAD LOAD FOR UPLIFT CALCULATIONS FOR ROOF TRUSSES AND 2 PSF MINIMUM DEAD LOAD FOR UPLIFT CALCULATIONS FOR ROOF DECK.
 - WIND PRESSURES IN THESE TABLES SHALL BE MULTIPLIED BY 0.6 TO OBTAIN NOMINAL WIND PRESSURES.

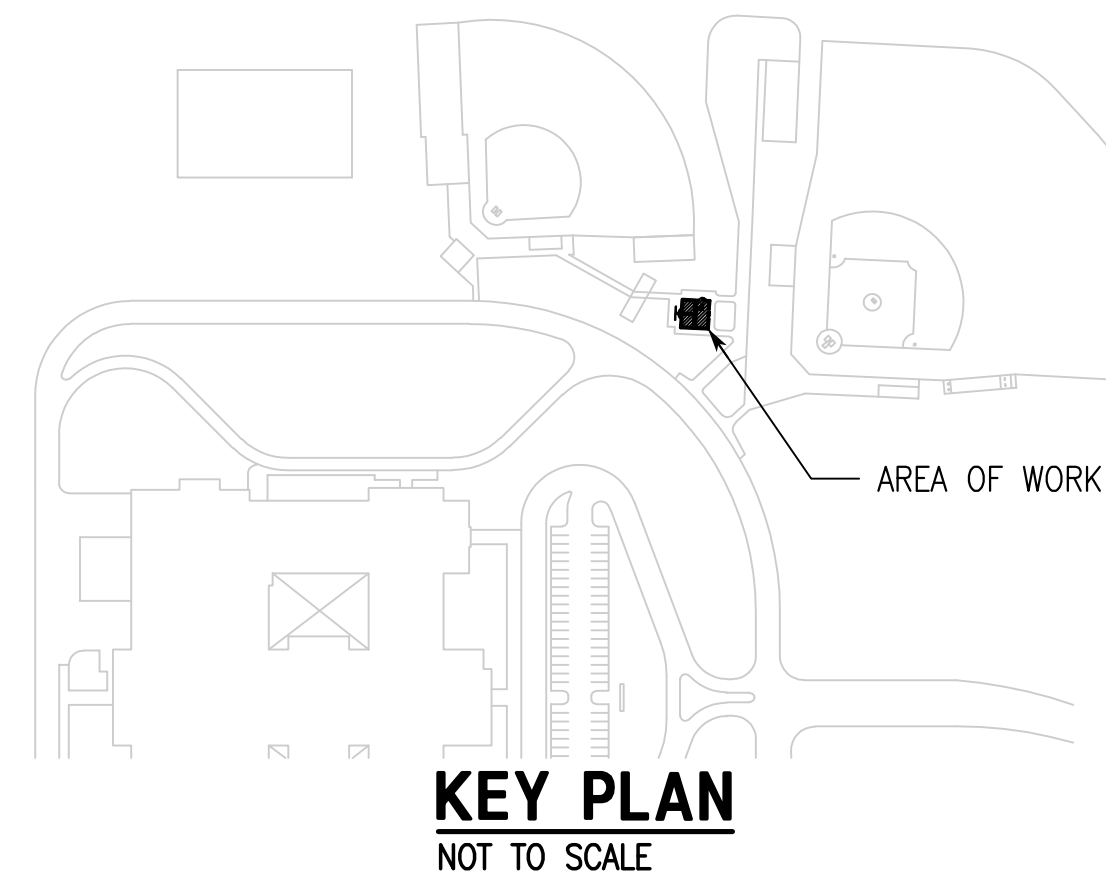




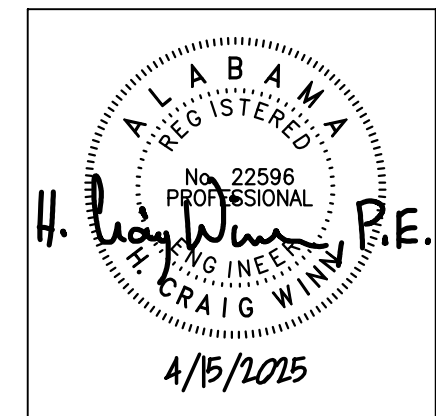
FOUNDATION PLAN

1/4"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND RAMP LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
5. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
6. FOOTING STEP LOCATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH THE LATEST CIVIL, PLUMBING AND UTILITY DRAWINGS.
7. FOOTING WIDTHS INDICATED ON PLAN MAY OR MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.
8. FOR PAVEMENT AND HARDSCAPE INFORMATION, SEE ARCHITECTURAL DRAWINGS AND CIVIL DRAWINGS.
9. FOR CMU WALL PLAN DIMENSIONS AS WELL AS OTHER PLAN DIMENSIONS, SEE ARCHITECTURAL DRAWINGS.
10. SLOPE SLAB TO FLOOR DRAIN, SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



NEW BASEBALL FIELD RESTROOMS FOR
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SHEET TITLE:
FOUNDATION PLAN

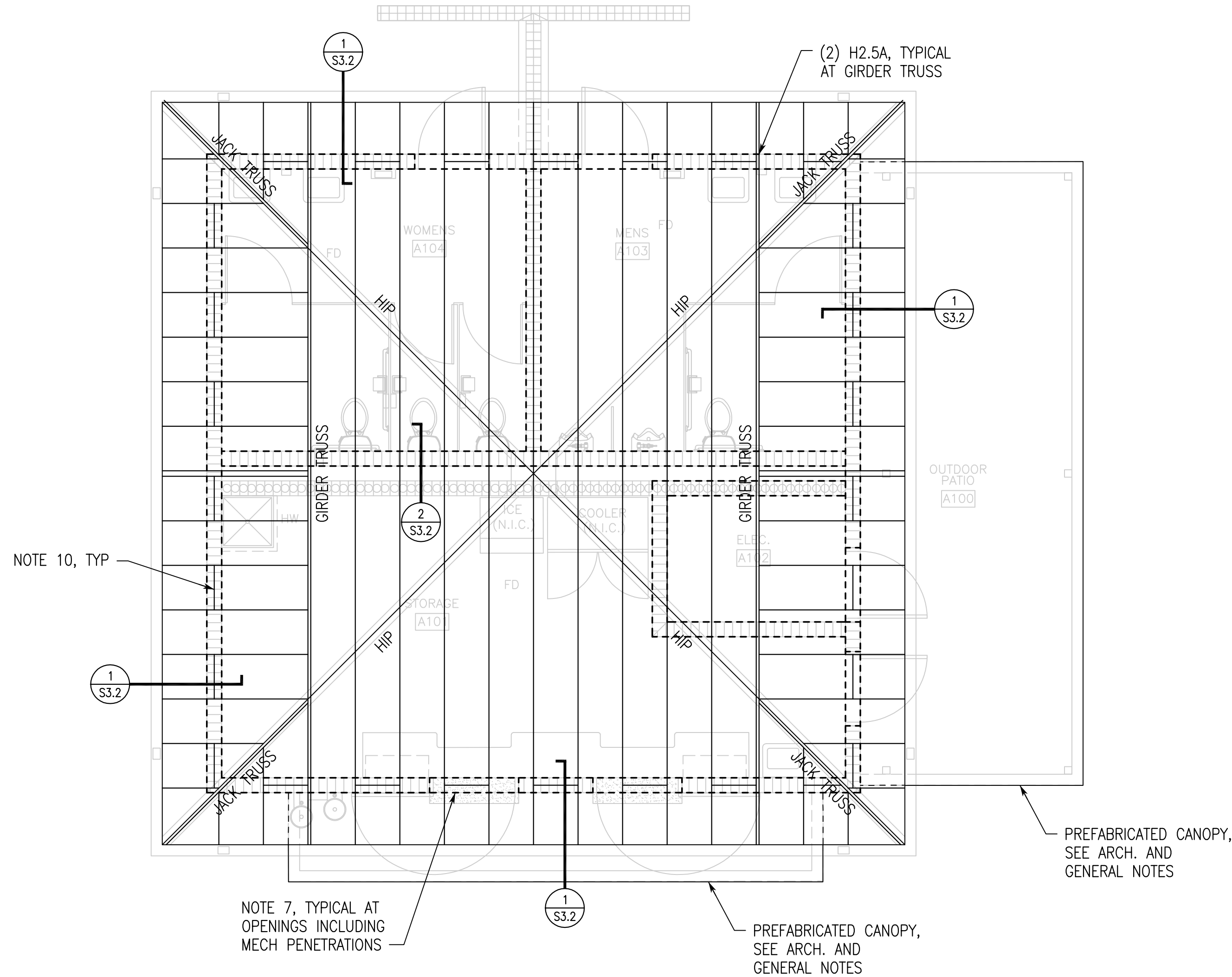
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DATE: APRIL 15, 2025
REVISIONS

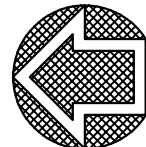
JOB NO. 25-07

SHEET NO:

S2.1
4 OF 7
0 1" 2"



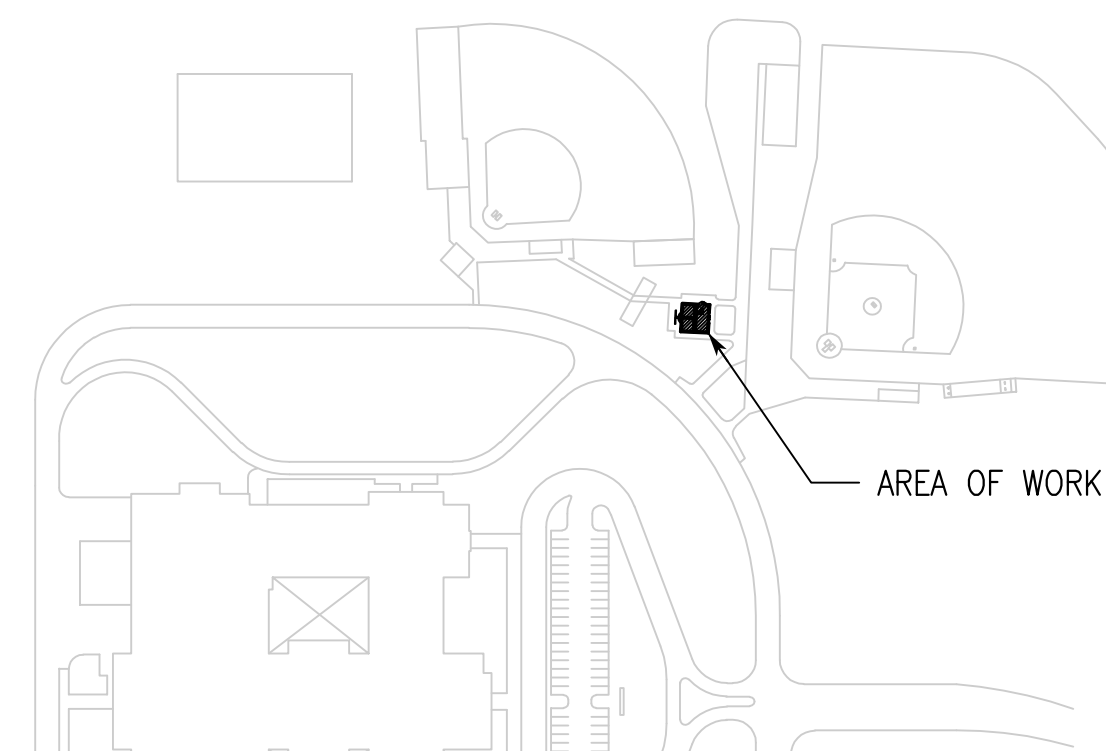
PROJECT
NORTH



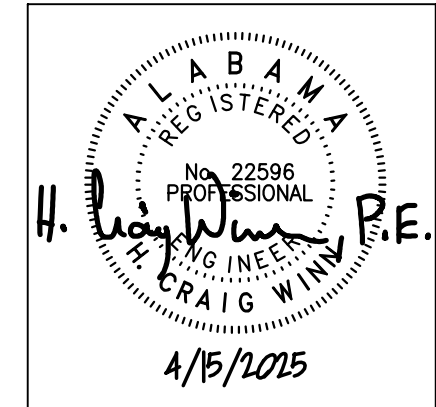
ROOF FRAMING PLAN

1/4"=1'-0"

1. TRUSS BEARING ELEVATION 12'-8" ABOVE FINISHED FLOOR, UNLESS NOTED.
2. ROOF SYSTEM: 3/4" PLYWOOD ON PREFABRICATED ROOF TRUSSES AT 2'-0" MAXIMUM ON CENTER. SEE GENERAL NOTES.
3. TOP OF CMU IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
4. TRUSSES BEAR ON ALL WALLS AS SHOWN.
5. FOR WALL LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
6. GENERAL CONTRACTOR SHALL COORDINATE THE LOAD MAGNITUDE AND LOCATION OF ANY EQUIPMENT SUPPORTED FROM THE TRUSSES. THESE LOADS AND LOCATIONS ARE TO BE SHOWN ON THE TRUSS SHOP DRAWINGS. ANY ATTACHMENT OF EQUIPMENT TO THE TRUSSES SHALL BE BY THE EQUIPMENT SUPPLIERS.
7. PROVIDE MASONRY LINTELS AT ALL OPENINGS, SEE SCHEDULES ON S1.3.
8. GENERAL CONTRACTOR SHALL COORDINATE TRUSS LAYOUT WITH MECHANICAL EQUIPMENT AND DUCT LOCATIONS.
9. PROVIDE (2) 2x FRAMING AT ATTIC ACCESS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
10. BLOCKING TRUSS SHALL BE LOCATED AS SHOWN ON PLAN. TRUSS SHALL BE DESIGNED BY THE TRUSS MANUFACTURER TO TRANSFER 900 LBS (SERVICE) OF FORCE DOWN TO TOP OF WALL. SEE DETAIL ON S1.3. ANCHOR TOP CHORD OF BLOCKING TRUSS TO ROOF AS DIRECTED BY TRUSS MANUFACTURER TO TRANSFER 150 LBS/FT (SERVICE) SHEAR FORCE.
11. SOFFIT FRAMING SHALL BE DESIGNED BY CONTRACTOR TO HANG FROM ROOF STRUCTURE.
12. HANGER LOCATIONS FOR PIPING LARGER THAN 3" IN DIAMETER MUST BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE TRUSS MANUFACTURER. FOR PIPING WEIGHS, SEE DETAIL ON S1.3.
13. BLOCKING TRUSSES, BRIDGING, PERMANENT BRACING, ECT. SHALL BE DESIGNED AND INDICATED ON THE TRUSS LAYOUT SHOP DRAWINGS. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTES.
14. CONTRACTOR NOTE: ALL MECHANICAL OPENING SIZES AND LOCATIONS IN LOAD BEARING MASONRY WALL SHOULD BE COORDINATED BY THE CONTRACTOR AND INDICATED ON THE MASONRY WALL REINFORCING SHOP DRAWINGS.



KEY PLAN
NOT TO SCALE



SHEET TITLE:
**ROOF FRAMING
PLAN**

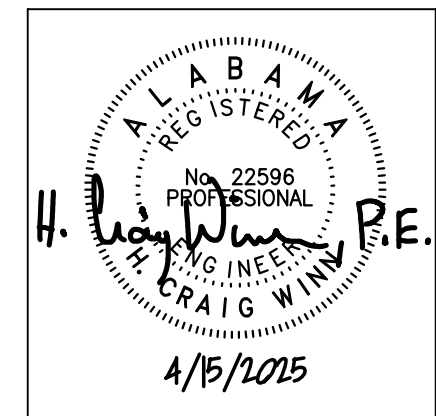
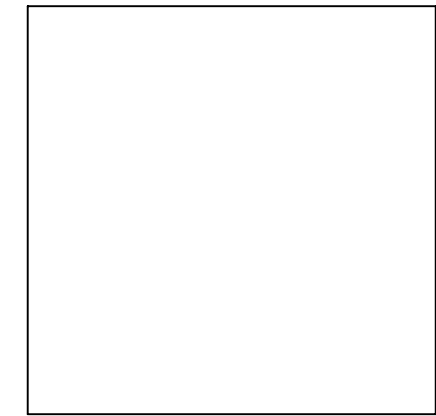
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JOB NO. **25-07**
SHEET NO:
S2.2
5 OF 7
0 1" 2"



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ARCHITECTS
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SHEET TITLE:
**SECTIONS
AND DETAILS**

PROJ. MGR.: HCW
DRAWN: ABS

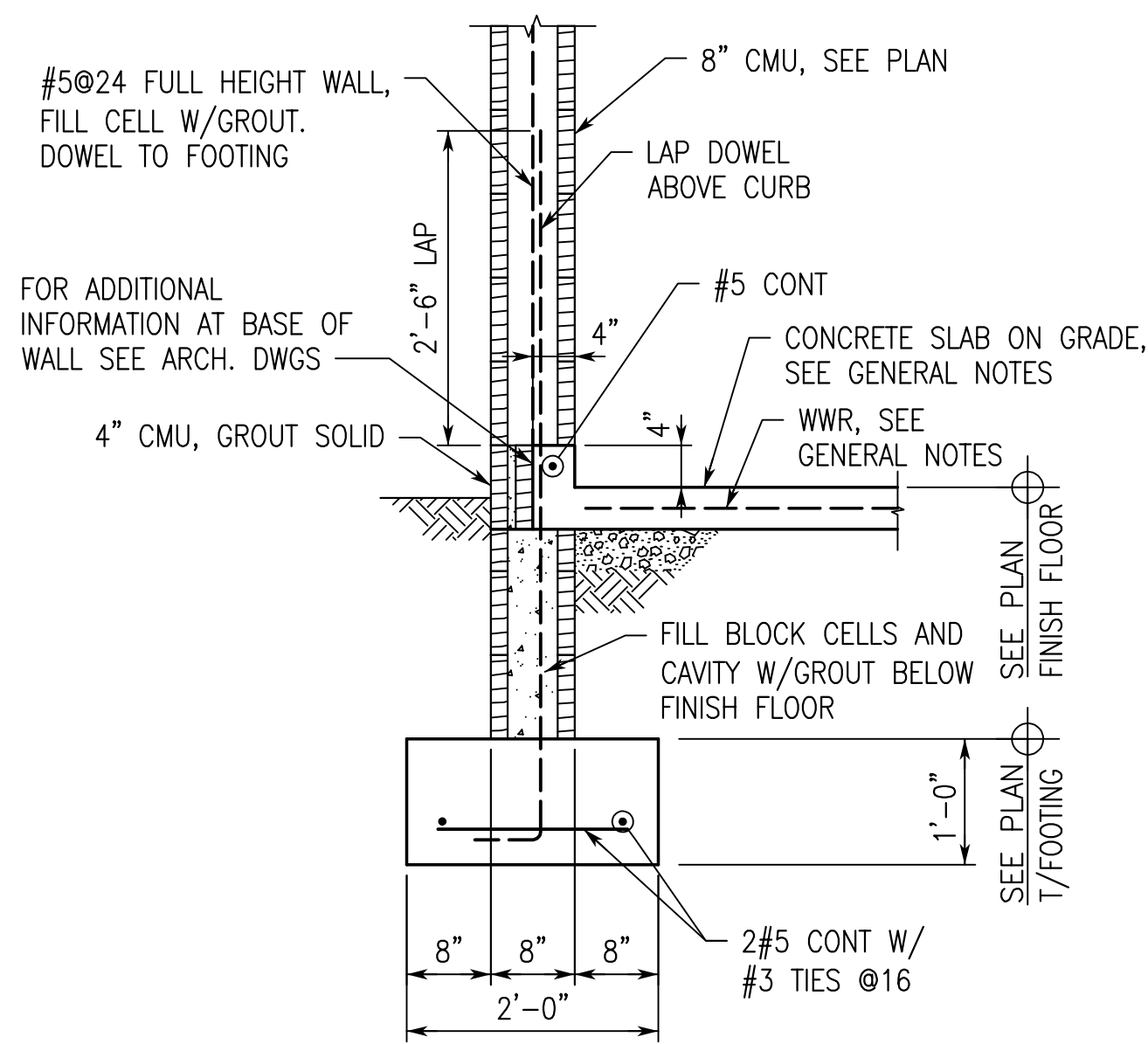
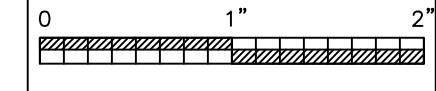
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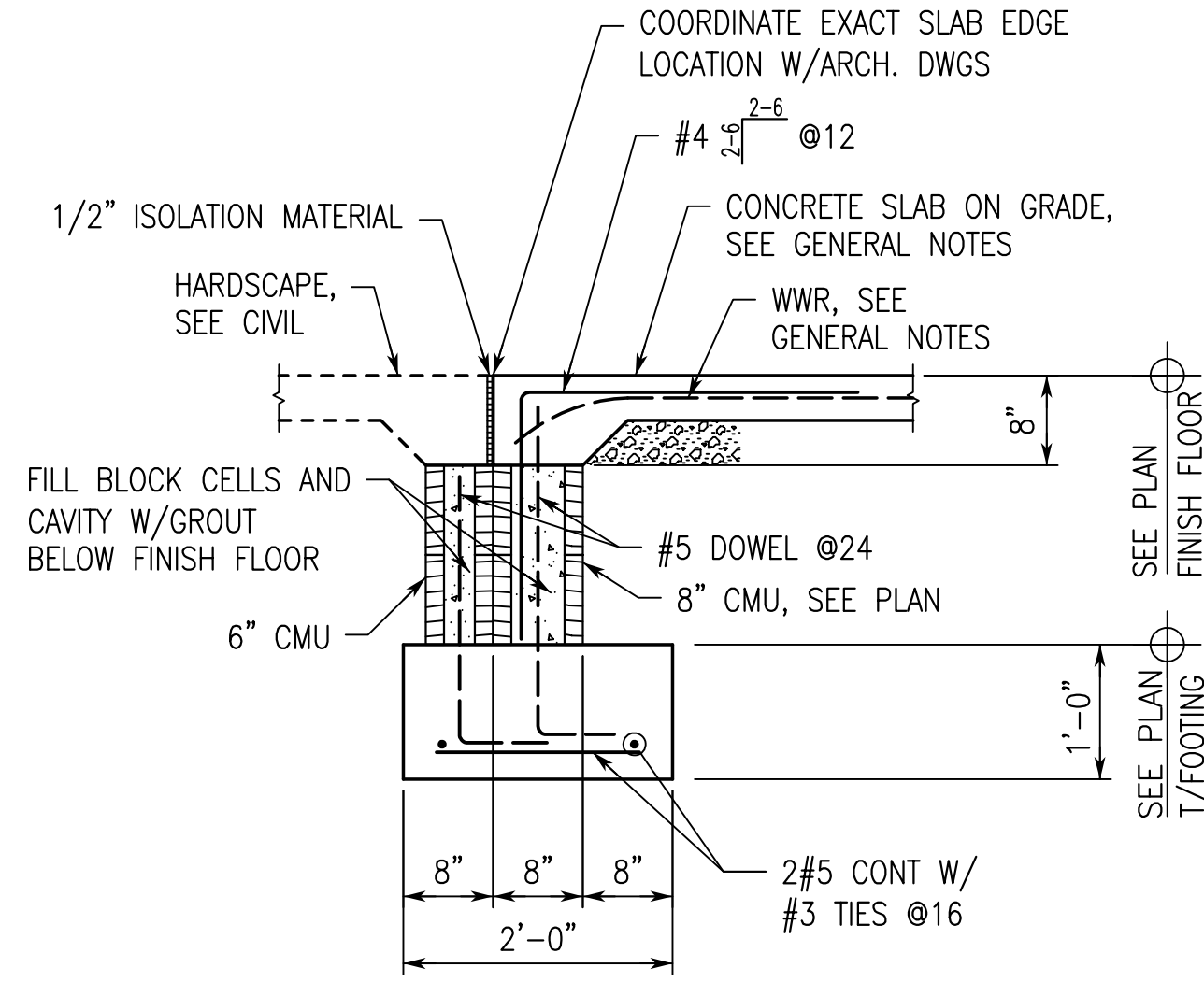
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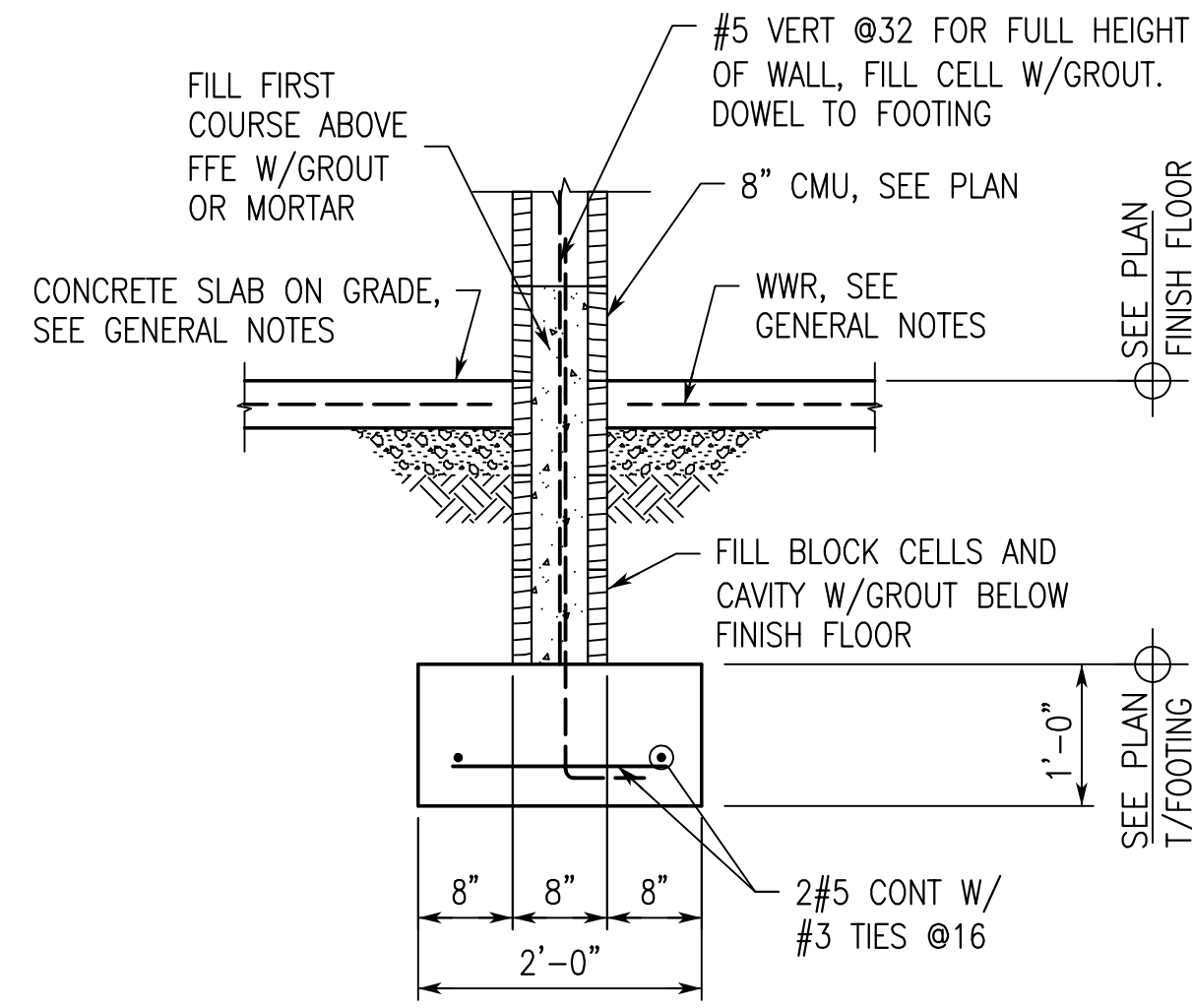
S3.1
6 OF 7



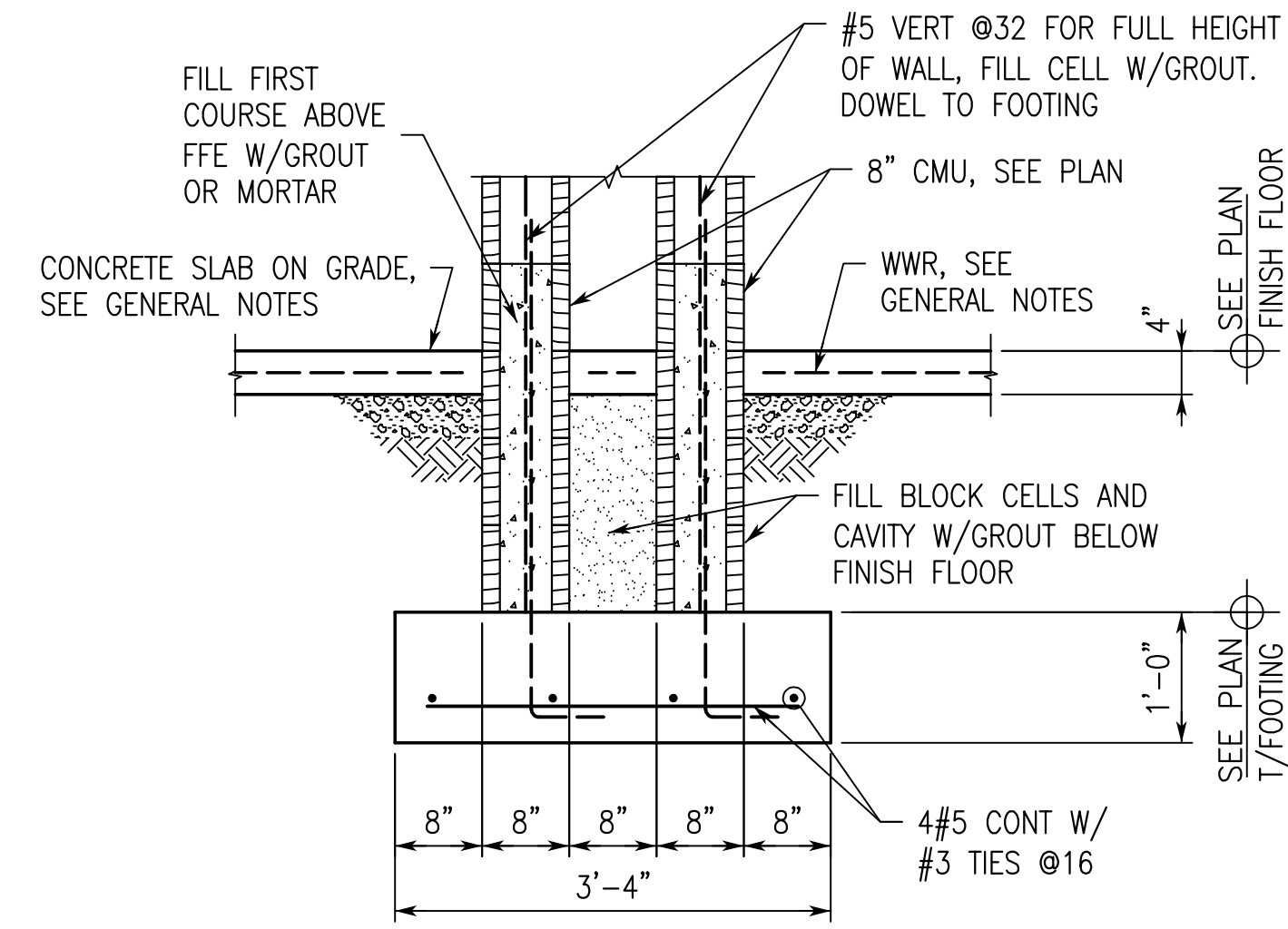
SECTION 1
3/4"=1'-0"



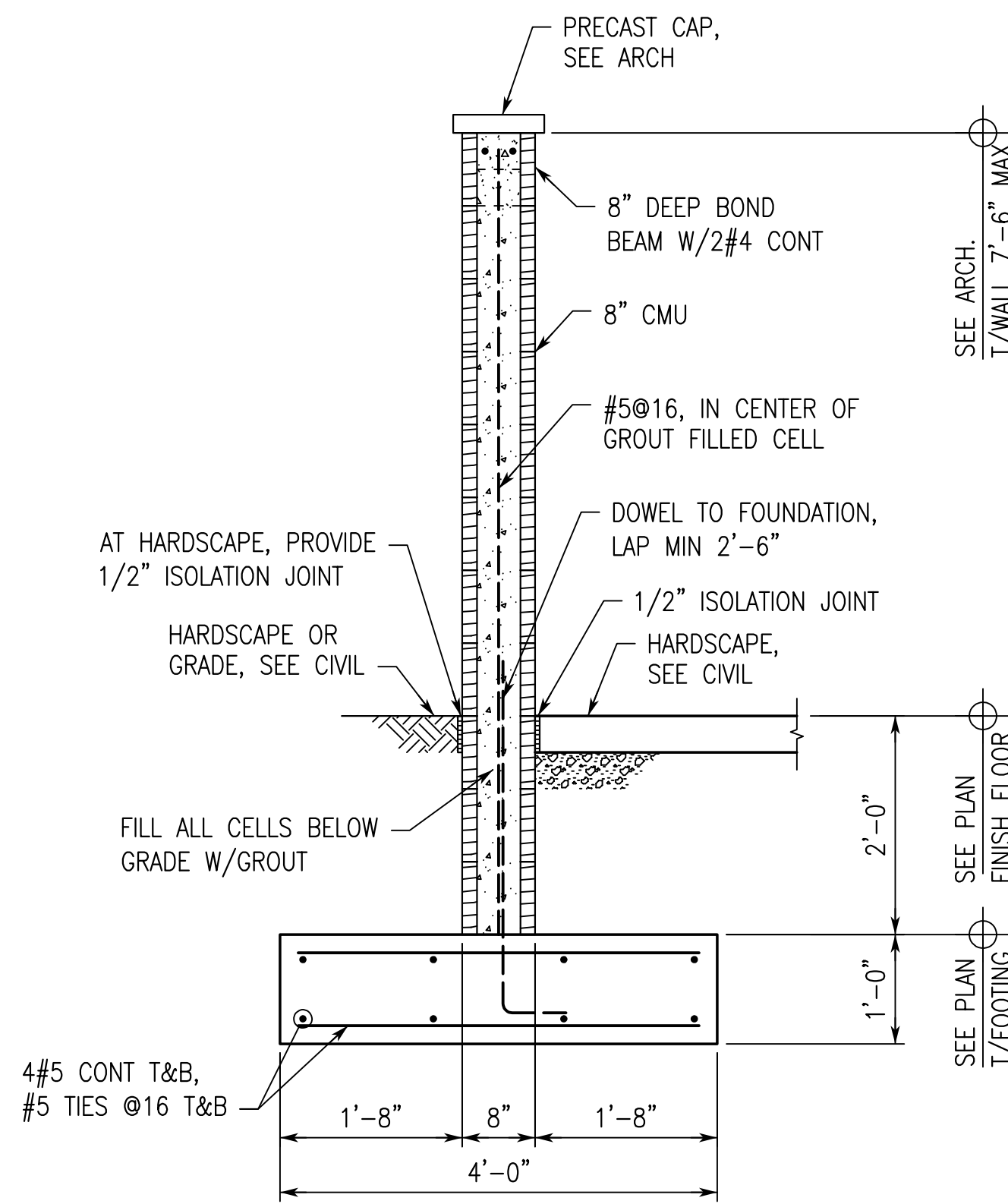
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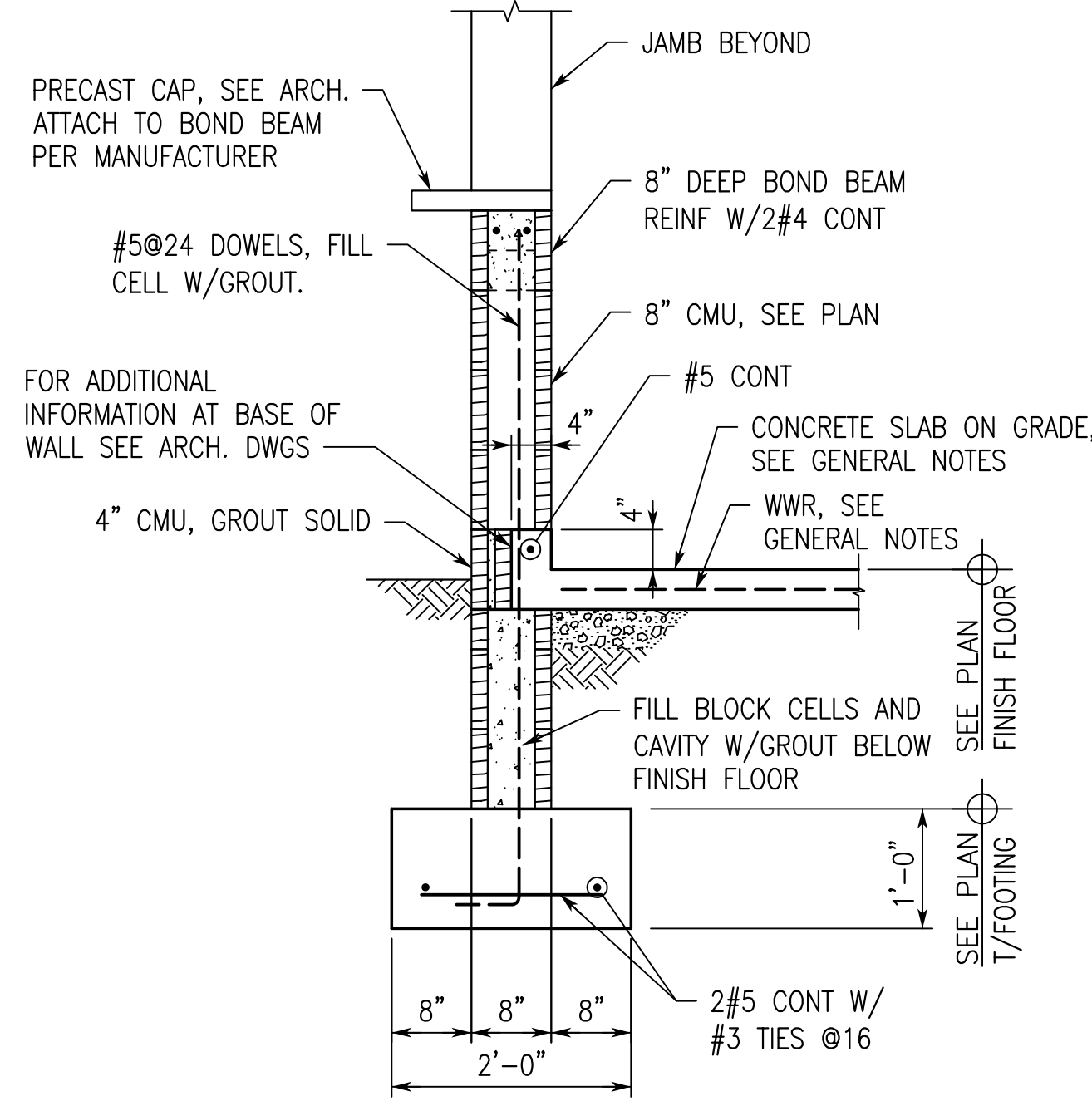
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3/4"=1'-0"



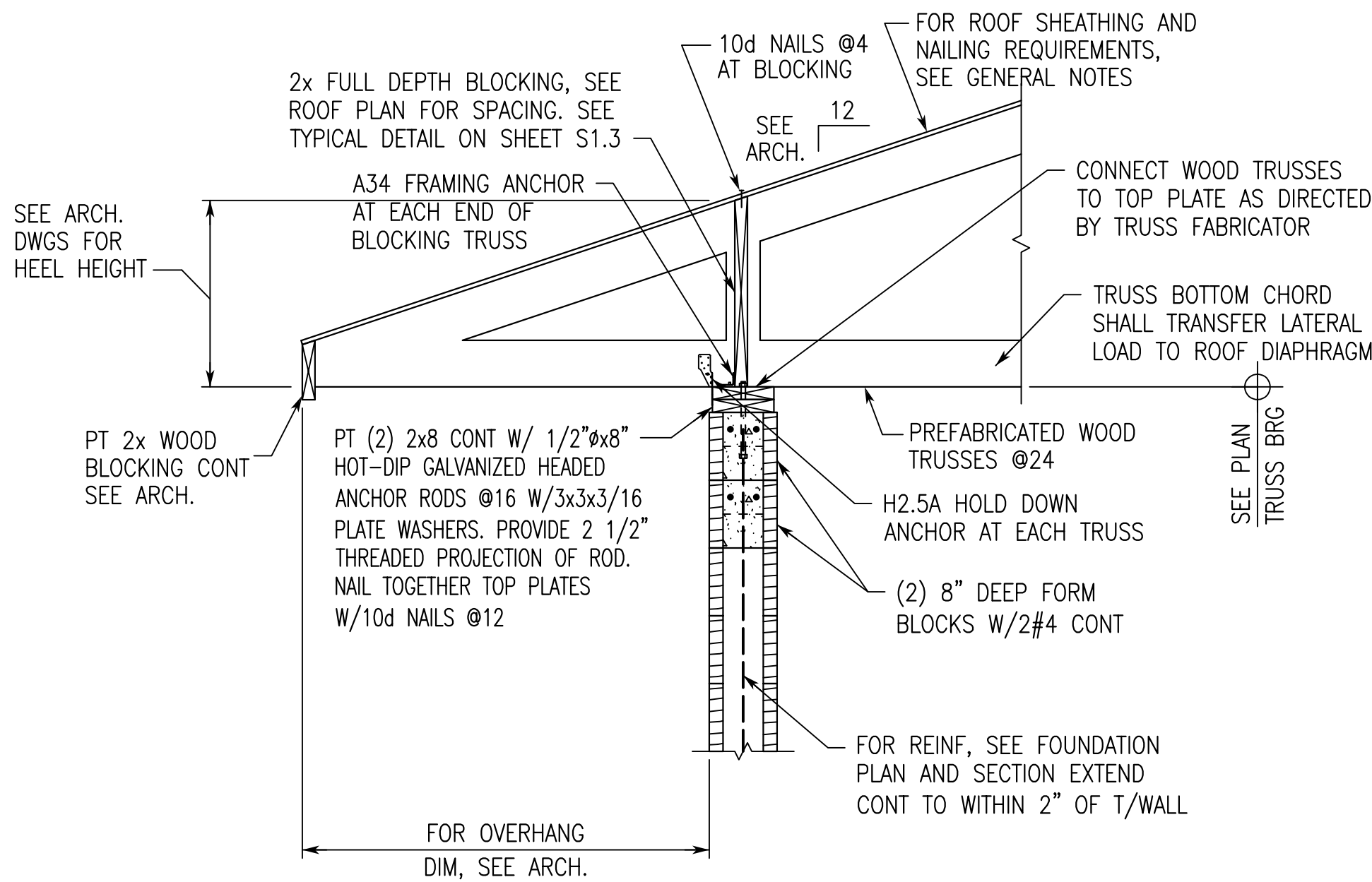
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3/4"=1'-0"



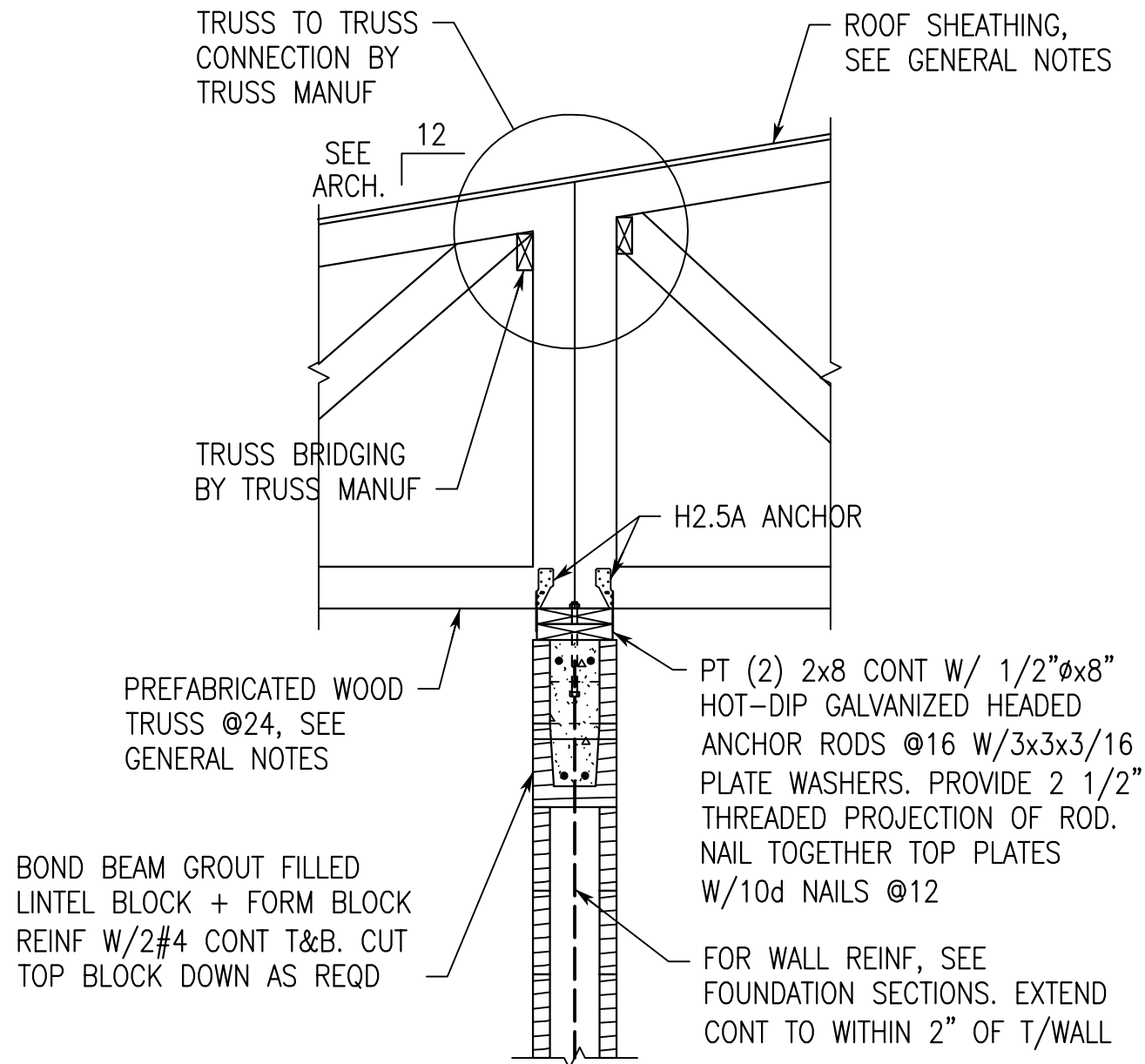
SECTION 5
3/4"=1'-0"



SECTION 6
3/4"=1'-0"



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



SECTION 2
3/4"=1'-0"

NEW BASEBALL FIELD RESTROOMS FOR
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SHEET TITLE:
SECTIONS AND
DETAILS

PROJ. MGR.: HCW
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JOB NO. 25-07
SHEET NO:
S3.2
7 OF 7
0 1" 2"

- GENERAL NOTES
1.

LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH LOCAL UTILITY PRIOR TO BIDDING.
2.

CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE, AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY NEW PIPE.
3.

ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18" X 18" X 6" THICK CONCRETE PAD. (J.R. SMITH 4258 OR EQUAL.)
4.

WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC UNION SHALL BE USED.
5.

ALL HORIZONTAL WATER AND VENT PIPING SHALL BE RUN ABOVE CEILING ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
6.

ALL HORIZONTAL SANITARY PIPING IS RUN BELOW FLOOR ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
7.

ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
8.

ALL WALL HYDRANTS AND HOSE BIBBS SHALL BE MOUNTED 24" ABOVE FINISH GRADE OF FINISH FLOOR UNLESS OTHERWISE NOTED.
9.

ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.
10.

NO VENT THRU ROOF IS TO BE LOCATED WITHIN 10 FEET OF ANY BUILDING AIR INTAKES, PER CODE. COORDINATE WITH MECHANIAL AND GENERAL CONTRACTORS.
11.

DOMESTIC WATER PIPING AND LOCATED ABOVE THE CEILING, SHALL BE INSTALLED BELOW CEILING INSULATION.
12.

CONTRACTOR SHALL COORDINATE MECHANICAL FLOOR DRAIN LOCATIONS WITH MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.
13.

CONTRACTOR SHALL PROVIDE SHOCK ARRESTORS ON ALL BRANCH LINES.
14.

CONTRACTOR SHALL COORDINATE ALL SINKS WITH CASEWORK PRIOR TO ORDERING SINKS.
15.

DOMESTIC WATER PIPING SHALL NOT BE INSTALLED IN EXTERIOR WALLS.
16.

PROVIDE DISINFECTION OF WATER PIPING SYSTEM WITH CHLORINE SOLUTION AS PER CODE.
17.

INSTALLATION OF BACKFLOW PREVENTER SHALL COMPLY WITH CURRENT INTERNATIONAL BUILDING CODE AND CURRENT INTERNATIONAL PLUMBING CODE.
18.

ALL OVERHEAD WATER PIPING TO BE RUN BELOW INSULATION AT BOTTOM OF TRUSSES FOR FREEZE PROTECTION.
19.

ALL WALL HYDRANTS TO BE FREEZE PROOF AND TO HAVE VACUUM BREAKERS.
20.

INSULATION ON ALL PIPING SHALL MEET SMOKE/ FLAME RATING OF 25 & 50.
21.

NO JOINTS IN WATER PIPING BELOW SLAB.
22.

THE LOCATION OF LAVATORIES AND WATER CLOSETS RELATIVE TO THE FINISHED WALL IS CRITICAL. REFER TO ARCHITECTURAL AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALL WATER CLOSETS TO BE 18" FROM FINISH WALL TO CENTER OF WATER CLOSET.
23.

WATER HAMMER ARRESTORS ARE REQUIRED TO PROTECT WATER PIPING SYSTEMS WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
24.

THESE DRAWINGS NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE PROJECT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
25.

COORDINATE PLUMBING PIPING WITH STRUCTURAL, PLUMBING, HVAC, AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ANY ADDITIONAL COST TO THE PROJECT.
26.

COORDINATE ALL PLUMBING IN SLAB WITH BUILDING FOOTINGS.
27.

NO PIPING TO BE RUN ABOVE ELECTRICAL PANELS. MAINTAIN ALL REQUIRED CLEARANCES.
28.

CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE SUBMITTING A PRICE, ORDERING MATERIALS OR PERFORMING ANY WORK. NOTIFY THE ARCHITECT OF ANY DEVIATION FROM PLUMBING PLAN.
29.

SUPPORT PIPE AS REQUIRED BY THE CURRENT INTERNATIONAL PLUMBING CODE.
30.

ALL FOOTINGS AT PLUMBING CHASE WALLS SHALL BE MIN 24" BELOW FINISHED GRADE TO COORDINATE WITH WASTE PIPING IN SLAB.
31.

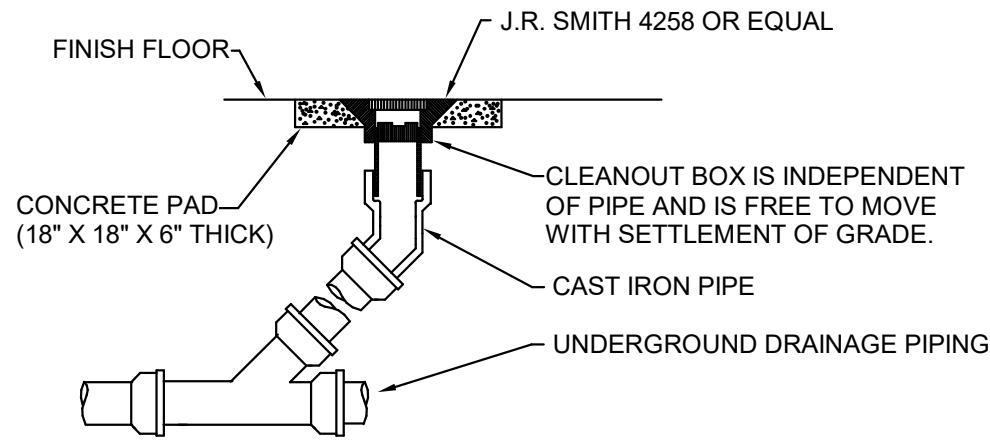
FIRESTOP ALL RATED WALL AND FLOOR PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL AND FLOOR LOCATIONS.
32.

OFFSET ALL VTR'S TO BACKSIDE OF ROOF RIDGE.
33.

DO NOT BEGIN WORK UNTIL ELEVATION OF FINAL CONNECTION POINT IS VERIFIED AND GRADING OF ENTIRE SYSTEM CAN BE DETERMINED (EVEN IF FINAL CONNECTION IS SPECIFIED UNDER ANOTHER SECTION).

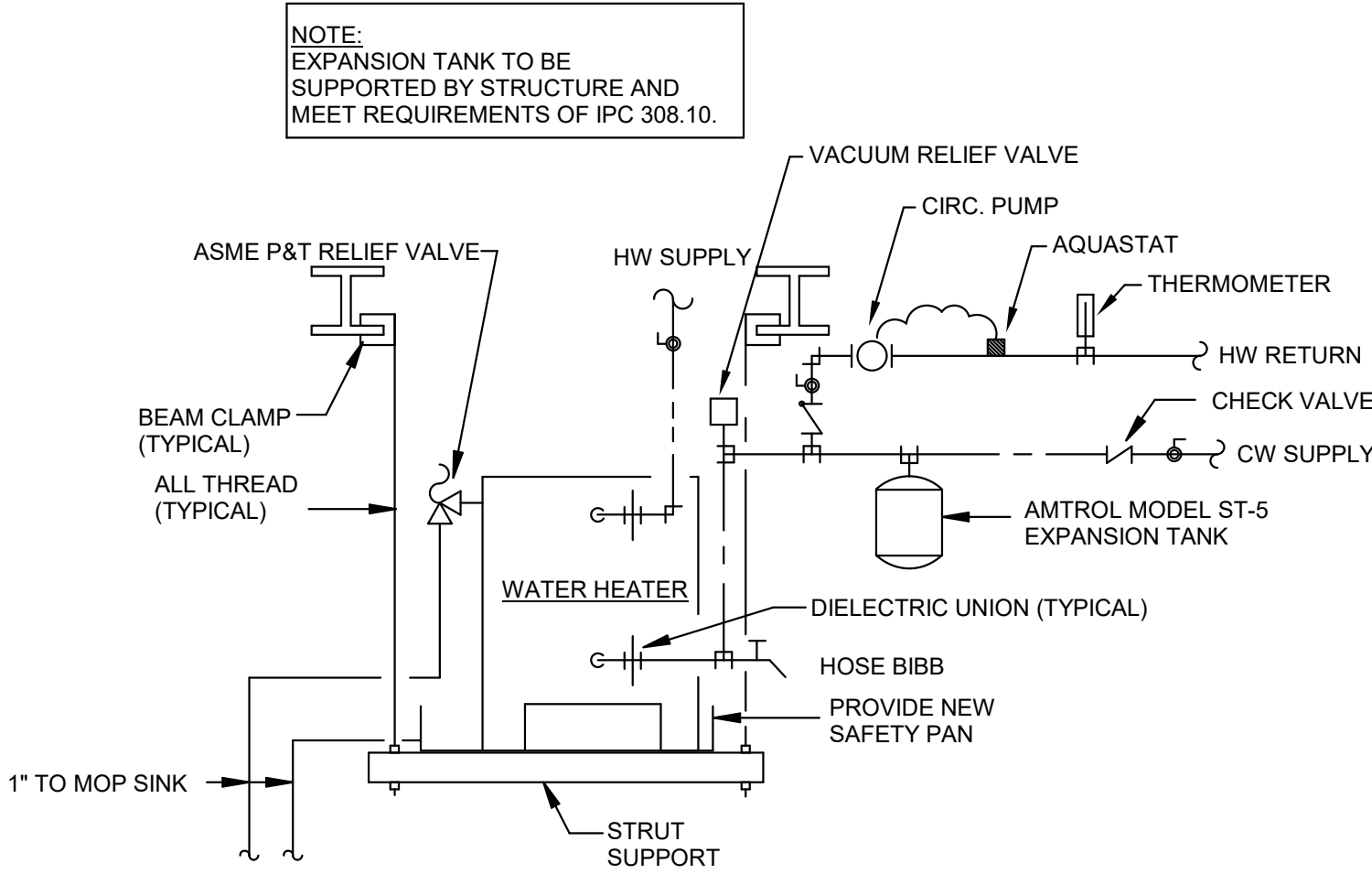
PLUMBING LEGEND

	DOMESTIC COLD WATER		BALANCE VALVE
	DOMESTIC HOT WATER SUPPLY		BALL VALVE
	DOMESTIC HOT WATER RETURN		CHECK VALVE
	SANITARY		UNION
	VENT		CLEANOUT
	PIPE TURNING DOWN		BELOW FINISHED FLOOR
	PIPE TURNING UP		GALLONS PER MINUTE
	TEE DOWN		VENT THROUGH ROOF
	TEE UP		EXISTING



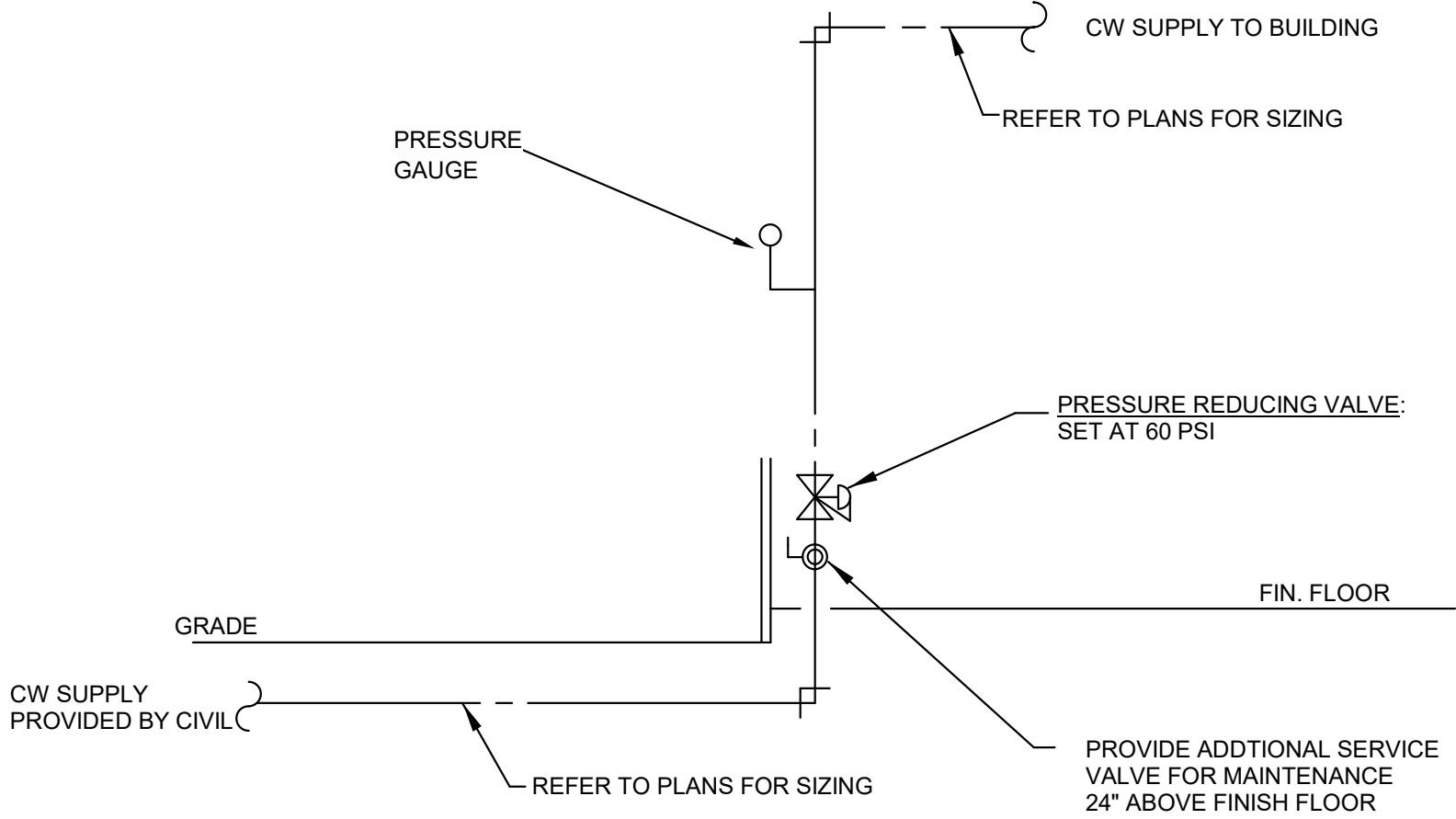
DETAIL OF CLEANOUT TO GRADE

NO SCALE



DETAIL OF PIPING AT WATER HEATER
ABOVE CEILING

NO SCALE



DETAIL OF WATER ENTRY

NO SCALE

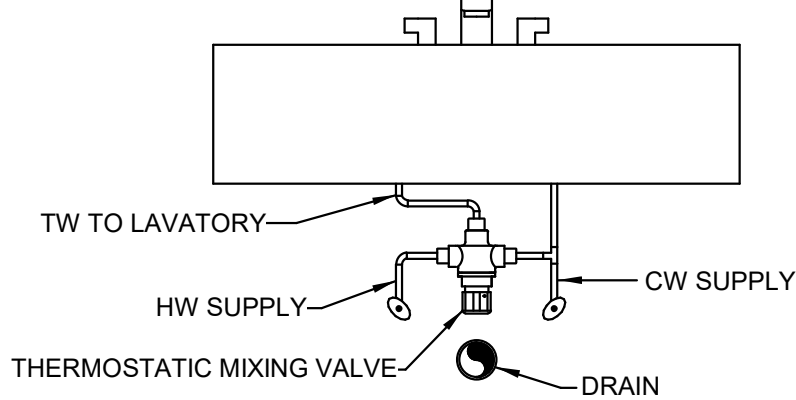
PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	WASTE	CW	HW	REMARKS
FD	FLOOR DRAIN	3"	-	-	J.R. SMITH #2010 WITH 6" ROUND NICKEL BRONZE GRATE. PROVIDE WITH J.R. SMITH TRAP INSERT.
FS	FLOOR SINK	3"	-	-	J.R. SMITH #3100, 8" SQUARE, PORCELAIN ENAMELED CAST IRON INTERIOR WITH 3/4 CAST IRON PORCELAIN ENAMELED GRATE AND DOME BOTTOM STRAINERS. PROVIDE WITH J.R. SMITH TRAP INSERT.
HB-1	HOSE BIBB	-	3/4"	-	ZURN Z1321 NARROW WALL HYDRANT WITH INTEGRAL BACKFLOW PREVENTER. PROVIDE OWNER WITH ONE(1) LOOSE KEY PER HOSE BIBB. INSTALL BELOW LAVATORY WHERE SHOWN ON DRAWINGS.
HB-2	HOSE BIBB	-	3/4"	-	EVERFLOW 46124-NL BRASS BODY WITH T-HANDLE AND PLAIN END. HOSE BIBB SHALL NOT HAVE HOSE THREADS. INSTALL PER MANUFACTURERS RECOMMENDATION. INSTALL BELOW WATER COOLER FOR DRAINING TO PREVENT FREEZING.
P-1	WATER CLOSET - ADA COMPLIANT	4"	1/2"	-	FLOOR MOUNTED - KOHLER K-3519-T TANK TYPE PRESSURE ASSISTED. PROVIDE CHURCH "DURA-GUARD" MODEL # 2155 SSC SEAT AND MCGUIRE #LFBV17 STOP AND SUPPLY.
P-2	WATER CLOSET	4"	1/2"	-	FLOOR MOUNTED - KOHLER K-3531-T TANK TYPE PRESSURE ASSISTED. PROVIDE CHURCH "DURA-GUARD" MODEL # 2155 SSC SEAT AND MCGUIRE #LFBV17 STOP AND SUPPLY.
P-3	URINAL - ADA COMPLIANT	2"	1"	-	WALL MOUNTED-KOHLER K-5016-ET COMPLETE, K-9183 STAINLESS STEEL STRAINER, J.R. SMITH #623 FIXTURE SUPPORT, AND SLOAN #186 FLUSH VALVE WITH YJ BRACKET. SET LIP 17" AFF.
P-4	URINAL	2"	1"	-	WALL MOUNTED-KOHLER K-5016-ET COMPLETE, K-9183 STAINLESS STEEL STRAINER, J.R. SMITH #623 FIXTURE SUPPORT, AND SLOAN #186 FLUSH VALVE WITH YJ BRACKET.
P-5	LAVATORY - ADA COMPLIANT	1 1/4"	1/2"	1/2"	WALL HUNG - KOHLER K-2032 (20" X 18") COMPLETE. SYMMONS S-20-0 FAUCET, K7715 OUTLET WITH TAILPIECE, J.R. SMITH #700-M31-Z FIXTURE SUPPORT, MCGUIRE #185 SUPPLIES WITH STOPS AND MCGUIRE #8872 P-TRAP. INSULATE P-TRAP, STOPS AND SUPPLIES WITH "PRO-WRAP" BY MCGUIRE. MOUNT WITH RIM MAXIMUM 34" AFF. PROVIDE LAWLER 570 THERMOSTATIC MIXING VALVE MOUNTED BELOW LAVATORY. RUN 100° F WATER TO FAUCET. MUST MEET A.D.A. GUIDELINES.
P-6	LAVATORY	1 1/4"	1/2"	1/2"	WALL HUNG - KOHLER K-2032 (20" X 18") COMPLETE. SYMMONS S-20-0 FAUCET, K7715 OUTLET WITH TAILPIECE, J.R. SMITH #700-M31-Z FIXTURE SUPPORT, MCGUIRE #185 SUPPLIES WITH STOPS AND MCGUIRE #8872 P-TRAP. INSULATE P-TRAP, STOPS AND SUPPLIES WITH "PRO-WRAP" BY MCGUIRE. PROVIDE LAWLER 570 THERMOSTATIC MIXING VALVE MOUNTED BELOW LAVATORY. RUN 100° F WATER TO FAUCET.
P-7	MOP SINK	3"	1/2"	1/2"	STERN WILLIAMS #SBC-1700 (24" X 24") COMPLETE. T-35 HOSE WITH WALL HOOK, STAINLESS STEEL BACKSPASH AND CHICAGO FAUCET #697 FAUCET.
P-8	WATER COOLER - ADA COMPLIANT	1 1/2"	1/2"	-	ELKAY #VRC15CFR88C 81-L LEVEL WATER COOLER WITH BOTTLE FILLER STATION. STAINLESS STEEL CABINET AND WATERWAYS THAT ARE MANUFACTURED OF 100% LEAD FREE MATERIAL. JR SMITH #834 FIXTURE SUPPORT. BALL VALVE STOP WITH SUPPLY. SAFETY-GUARD BUBBLER. MCGUIRE FULLY INSULATE P-TRAP. MOUNT WITH LOWER SPOUT OUTLET AT 36" AFF. MUST MEET A.D.A PROVIDE WITH COLOR CHART FOR ARCHITECT COLOR SELECTION. PROVIDE CANE APRON AS REQUIRED.
P-9	ICE MACHINE	FS	1/2"	-	FURNISHED AND INSTALLED UNDER ANOTHER SECTION. ROUGH AND CONNECT COMPLETE. PROVIDE BALL VALVE STOP ON SUPPLY AND PIPE WASTE(S) TO FLOOR SINK. PROVIDE WATTS LF9D ON COLD WATER SUPPLY IF REQUIRED BY LOCAL CODES. PIPE RELIEF FULL SIZE TO FS.
P-10	HAND SINK - ADA COMPLIANT	1 1/4"	1/2"	1/2"	FUTURE SINK TO BE FURNISHED BY OWNER, PROVIDE J.R. SMITH #700-M31-Z FIXTURE SUPPORT. CONTRACTOR TO TURN PIPNG OUT OF WALL AND CAP.
WH	WALL HYDRANT	-	3/4"	-	J.R. SMITH #5509-QT, WITH INTEGRAL BACKFLOW PREVENTER, LATCHING COVER. FREEZE-PROOF AND OF PROPER LENGTH FOR WALL IN WHICH INSTALLED. ALL BRONZE BOX. VALVE SEAT MUST BE ON BUILDING SIDE OF EXTERIOR WALL INSULATION. INSTALL WITH CENTER LINE 24" ABOVE FINISH GRADE. PROVIDE OWNER WITH ONE (1) LOOSE KEY FOR EACH WALL HYDRANT.

NOTE: TEMPERING VALVES ON LAVATORIES OF ALL PUBLIC LAVATORIES CONFORM TO ASSE 1070/CSA B125.3.2021 IPC 419.5 TEMPERED WATER FOR PUBLIC HAND-WASHING FACILITIES. TEMPERED WATER SHALL BE DELIVERED THROUGH AN APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070/CSA B125.3.

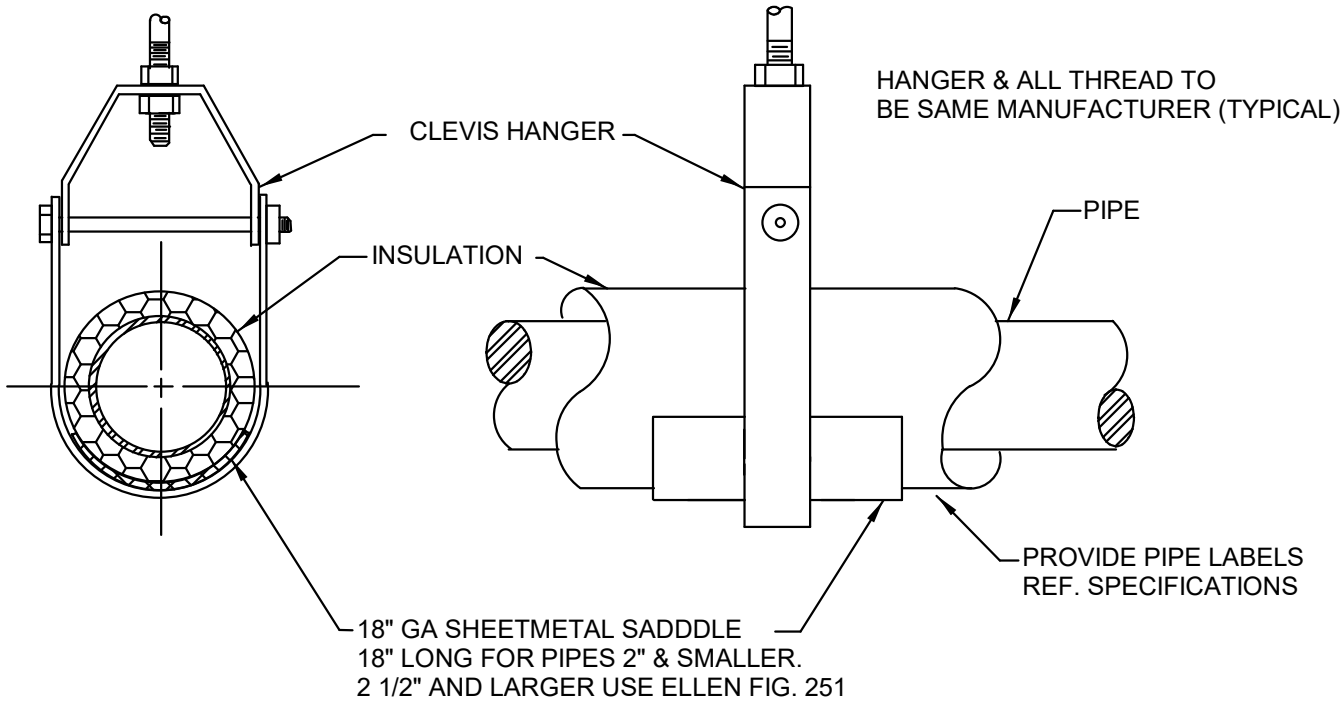
WATER HEATER SCHEDULE

MARK	FIXTURE	ELEC INFO.	REMARKS
CP-1	CIRCULATION PUMP	115/1/60	ARMSTRONG COMPASS. PROVIDE WITH AQUASTAT EQUAL TO HONEYWELL L6006A AND TIMER.
ET-1	EXPANSION TANK	-	AMTROL THERM - X-TROL #ST-5 EXPANSION TANK. PRE-CHARGED, WELDED STEEL CONSTRUCTION. ISOLATION BETWEEN WATER AND AIR SHALL BE BY A BUTYL DIAPHRAM.
WH-1	ELECTRIC WATER HEATER	240V; 1PH; 4.5 KW	LOCHINVAR LDJ-20 AK, 20 GALLON STORAGE. 19 GALLON RECOVERY AT 100°F RISE. NEW P&T RELIEF VALVE. SET OUTLET TEMPERATURE AT 125°F. INSTALL AS DETAILED ON DRAWINGS. VERIFY VOLTAGE WITH ELECTRICAL SECTION.



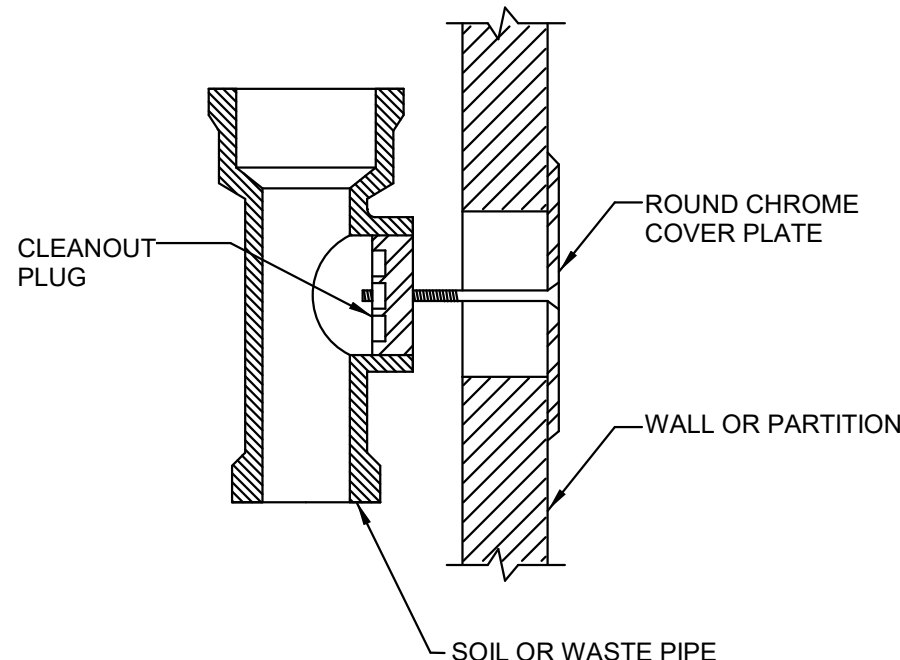
DETAIL OF TMV BELOW LAVATORY

NO SCALE



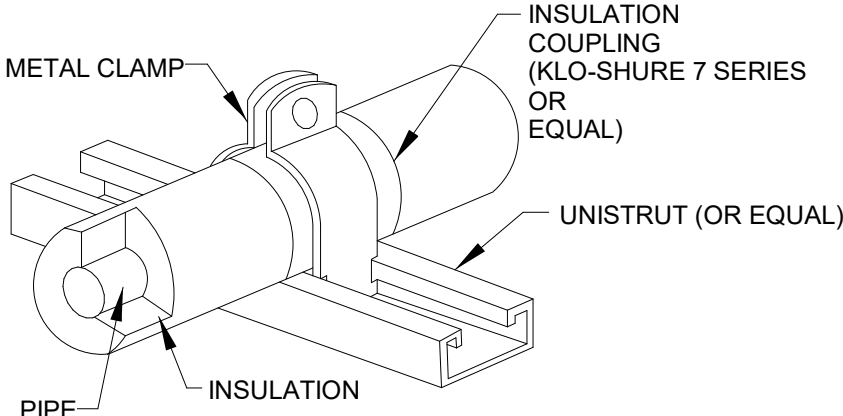
SUSPENDED PIPE SUPPORT

NO SCALE



WALL CLEANOUT

NO SCALE



- NOTES:
1.

APPLICATION: FOR STRUT MOUNTED, 4 INCH AND SMALLER. COVER PIPE WITH FOAMED PLASTIC (ARMAFLEX) OR FIBERGLASS INSULATION.
2.

ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3.

FOR COLD PIPE APPLICATION, APPLY ADHESIVE TO END OF FOAMED PLASTIC INSULATION PRIOR TO INSERTING INTO COUPLING.

STRUT-MOUNTED PIPING SUPPORT
INSULATION COUPLING DETAIL

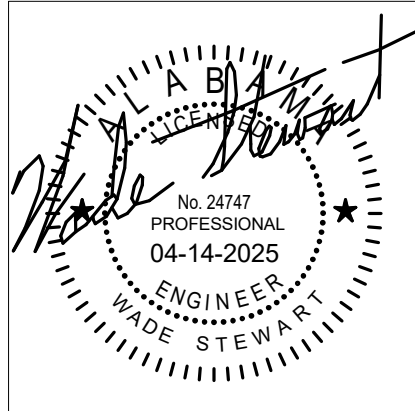
NO SCALE

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Project Number :
50187326

LATHAN
ARCHITECTS

NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION



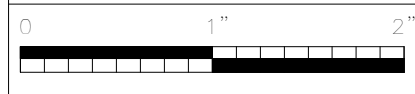
SHEET TITLE:
PLUMBING SCHEDULES AND
NOTES

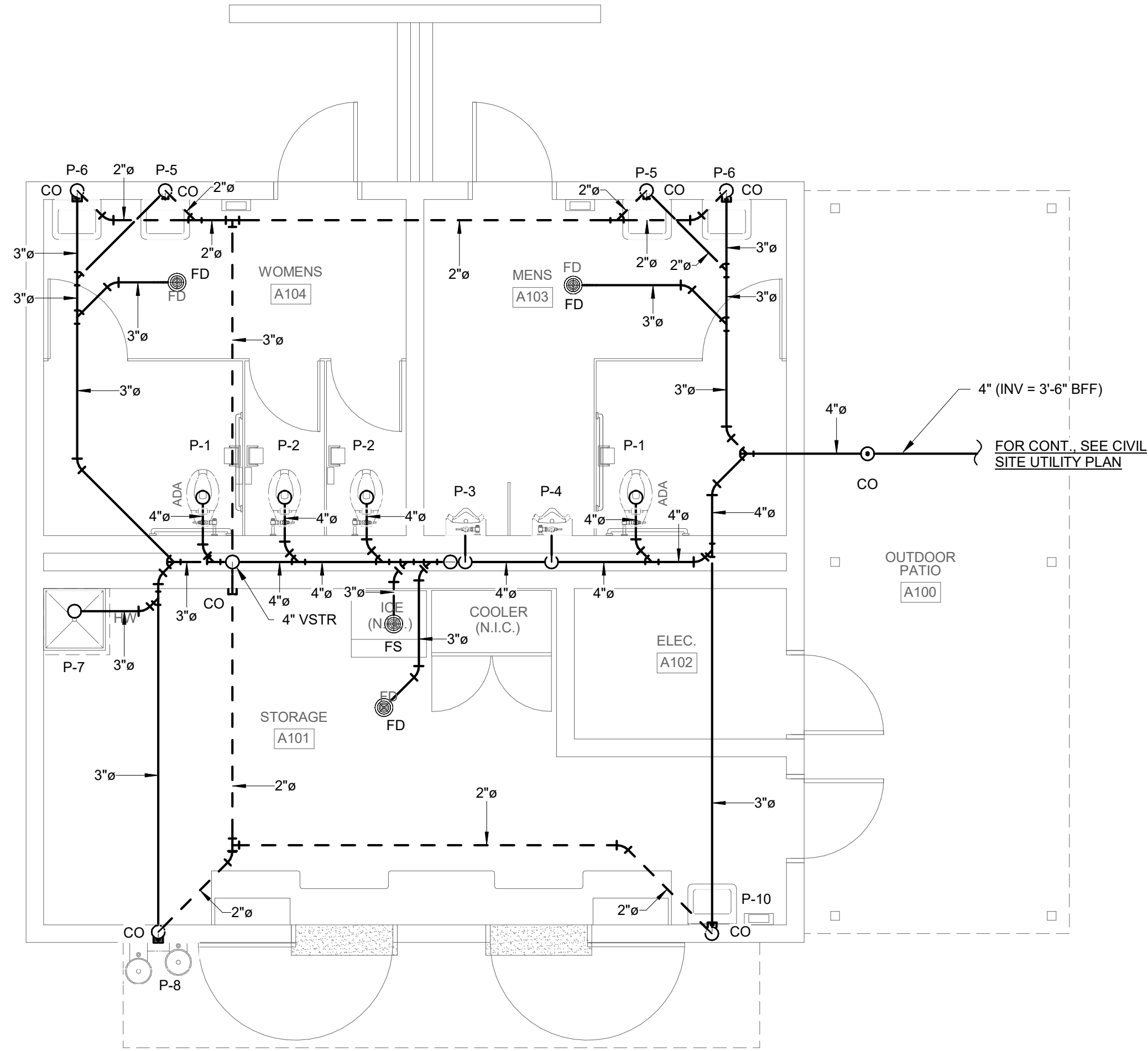
PROJ. MGR.: JWS
DRAWN: HLF
DATE: 04/14/2025
REVISIONS

JOB NO. 25-07
SHEET NO:

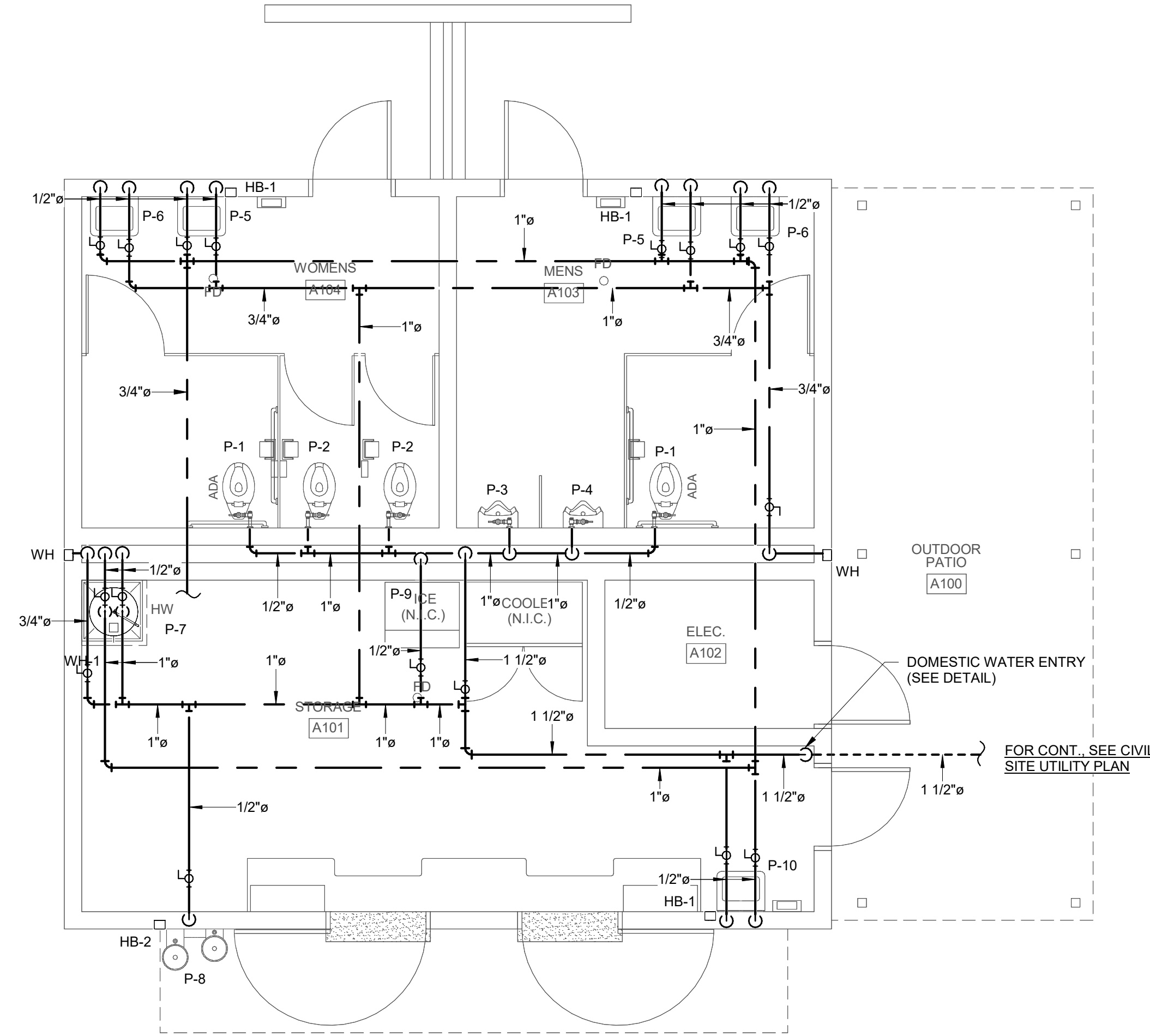
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1 OF 2

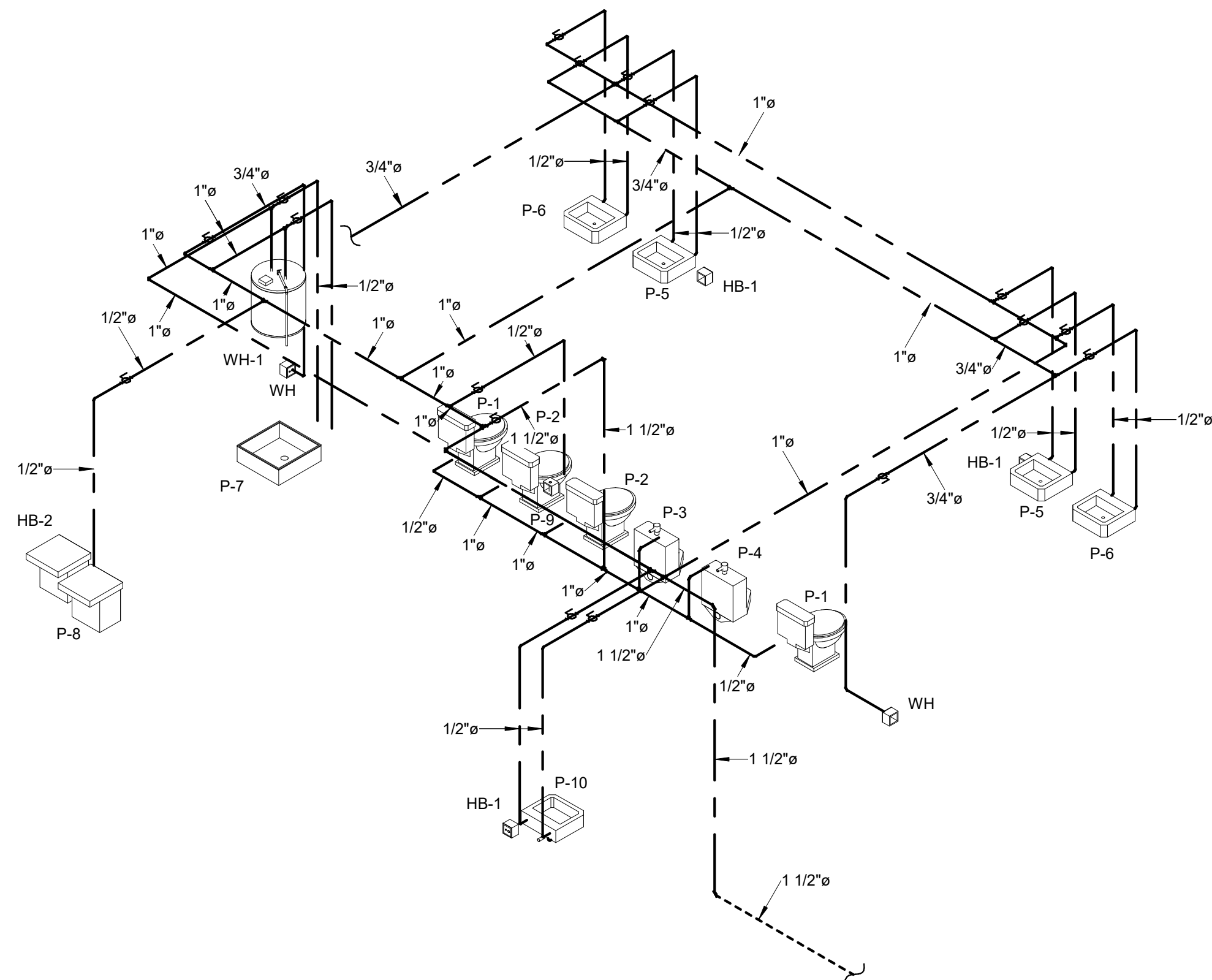
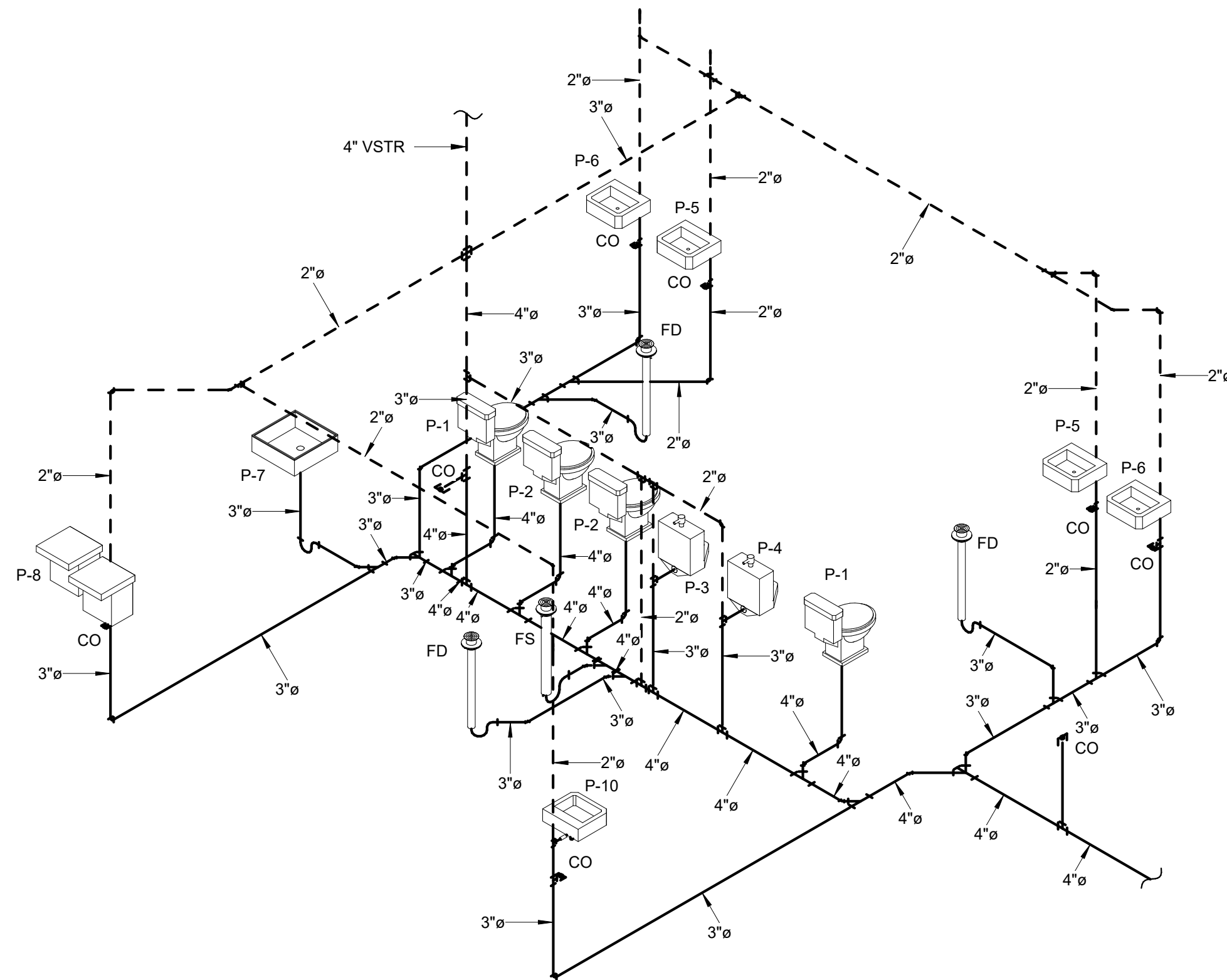




1 NON-PRESSURE PIPING - FLOOR PLAN
1/4" = 1'-0"



2 PRESSURE PIPING - FLOOR PLAN
1/4" = 1'-0"



SHEET TITLE:
PLUMBING FLOOR PLANS

PROJ. MGR.: JWS
DRAWN: HLF
DATE: 04/14/2025
REVISIONS

JOB NO. 25-07
SHEET NO:

P1.0

2 OF 2



HVAC GENERAL NOTES

1. MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SUBJECT TO REQUIREMENTS OF ARCHITECTURAL DRAWINGS AND CONDITIONS EXISTING IN THE FIELD. MECHANICAL DRAWINGS INDICATE GENERALLY THE LOCATION OF COMPONENTS AND ARE NOT INTENDED TO SHOW ALL FITTINGS OR ALL DETAILS OF THE WORK TO BE PERFORMED.
2. FOLLOW THE DRAWINGS CLOSELY. COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS. DO NOT SCALE MECHANICAL DRAWINGS FOR LOCATIONS OF SYSTEM COMPONENTS.
3. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
4. MAKE NO CHANGES WITHOUT THE ARCHITECT'S WRITTEN PERMISSION. IN CASE OF DOUBT, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING WITH WORK. FAILURE TO FOLLOW THIS INSTRUCTION SHALL MAKE THE CONTRACTOR LIABLE FOR DAMAGE TO OTHER WORK AND RESPONSIBLE FOR REMOVING AND REPAIRING DEFECTIVE OR MISLOCATED WORK IN PROPER MANNER.
5. DO NOT SCALE DRAWINGS TO LOCATE DIFFUSERS AND EQUIPMENT. COORDINATE WITH NEW AND EXISTING LIGHTING, ELECTRICAL CONDUIT, AND ALL EXISTING FIELD CONDITIONS.
6. PRIOR TO PREPARING SUBMITTALS, VERIFY ALL EQUIPMENT VOLTAGES WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT PRIOR TO ORDERING EQUIPMENT. ANY FAILURE TO DO SO WILL MAKE THE MECHANICAL CONTRACTOR RESPONSIBLE FOR ANY EQUIPMENT ORDERED WITH THE INCORRECT VOLTAGE.
7. PROTECT MECHANICAL EQUIPMENT FROM DAMAGE DURING CONSTRUCTION. WHEN INSTALLATION IS COMPLETE, CLEAN EQUIPMENT AS REQUIRED AND PROVIDE ALL NEW FILTERS.
8. INSTALL ALL EQUIPMENT TO PROVIDE NORMAL SERVICE ACCESS TO ALL COMPONENTS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS CONFLICT WITH CONTRACT DOCUMENTS, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING.
9. FURNISH ACCESS DOORS FOR VALVES, FIRE DAMPERS, DAMPERS, CONTROLS, AIR VENTS, TRAP CLEAN OUTS, AND OTHER ITEMS LOCATED ABOVE NON-LIFTOUT CEILINGS OR BEHIND PARTITIONS OR WALLS. PROVIDE FIRE DAMPERS IN DUCTWORK, GRILLES, AND REGISTERS WITH FIRE RATING EQUAL TO RATING OF WALL OR CEILING. ALL FIRE DAMPERS MAY OR MAY NOT BE SHOWN ON MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL FIRE RATED WALL AND CEILING LOCATIONS AND RATINGS WITH ARCHITECTURAL DRAWINGS.
10. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS (SEE SPECIFICATIONS).
11. MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT QUANTITY AND LOCATIONS OF 120 V CONTROLS POWER TO NECESSARY CONTROL PANELS.
12. MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT QUANTITY AND LOCATIONS OF 120 V CONTROL POWER FOR VAV TERMINAL UNIT CONTROLS, AUTOMATIC CONTROL VALVES, AND AUTOMATIC DAMPER ACTUATORS.
13. PROVIDE ALL NECESSARY RELAYS, SWITCHES, SENSORS, LOW VOLTAGE CONTROL WIRING, ACTUATORS, ETC. FOR A COMPLETE AND FUNCTIONAL BAS CONTROLS SYSTEM.
14. COORDINATE EXACT LOCATION OF ALL WALL MOUNTED DEVICES (THERMOSTATS, HUMIDITY SENSORS, ETC.) WITH ARCHITECT PRIOR OT ROUGH IN. ALL WALL MOUNTED DEVICES SHALL BE INSTALLED 48" A.F.F TO THE CENTERLINE OF THE DEVICE.
15. COORDINATE EXACT LOCATION ON WALL OF ALL WALL MOUNTED SUPPLY AND RETURN GRILLES/REGISTERS WITH ARCHITECT. WALL MOUNTED SUPPLY AND RETURN GRILLES/REGISTERS SHALL BE PAINTED BY OTHERS

HVAC ABBREVIATIONS

A
AFF
AHU
AMB.
ARCH.
BHP
BOD
BTUH
CFM
DB
DN.
°F
Δ P
Δ T
DIA.
EA
ENT.
EAT
EMG
EWT
E.S.P.
EX.
EXT.
FPM
FT.
F.V.
GAL.
GPM
H
HP
IN.
I.D.
KW
L
LBS.
LRA
LVG.
LAT
LWT
MAX.
MAT
MBH
MCA
MIN.
MOC
NO
NC
NPLV
OSA
O.D.
PSI
PSIA
PSIG
RA
RAT
RH
RLA
RPM
SA
SAT
T.S.P.
TD
TOD
U.N.O.
V
V/φ/Hz
W.G.
W
WB

AMPS
ABOVE FINISH FLOOR
AIR HANDLING UNIT
AMBIENT
ARCHITECTURAL
BRAKE HORSEPOWER
BOTTOM OF DUCT
BRITISH THERMAL UNIT PER HOUR
CUBIC FEET PER MINUTE
DRY BULB
DOWN
DEGREES FAHRENHEIT
CHANGE IN PRESSURE
CHANGE IN TEMPERATURE
DIAMETER
EXHAUST AIR
ENTERING
ENTERING AIR TEMPERATURE
EXPANDED METAL GRILLE
ENTERING WATER TEMPERATURE
EXTERNAL STATIC PRESSURE
EXISTING
EXTERNAL
FEET PER MINUTE
FEET
FACE VELOCITY
GALLONS
GALLONS PER MINUTE
HEIGHT
HORSEPOWER
INCHES
INSIDE DIAMETER
1000 WATTS
LENGTH
POUNDS
LOCKED ROTOR AMPS
LEAVING
LEAVING AIR TEMPERATURE
LEAVING WATER TEMPERATURE
MAXIMUM
MIXED AIR TEMPERATURE
1000 BTUH
MINIMUM CIRCUIT AMPACITY
MINIMUM
MAXIMUM OVER CURRENT PROTECTION
NORMALLY OPEN
NORMALLY CLOSED
NON-STANDARD PART LOAD VALUE
OUTSIDE AIR
OUTSIDE DIAMETER
POUNDS PER SQUARE INCH
PSI
PSI ATMOSPHERIC
PSI GAGE
RETURN AIR
RETURN AIR TEMPERATURE
RELATIVE HUMIDITY
RATED LOAD AMPS
REVOLUTIONS PER MINUTE
SUPPLY AIR
SUPPLY AIR TEMPERATURE
TOTAL STATIC PRESSURE
TRANSFER DUCT
TOP OF DUCT
UNLESS NOTED OTHERWISE
VOLUME
VOLTS/PHASE/HERTZ
WATER GAGE
WIDTH
WET BULB

- (T) TEMPERATURE SENSOR
- (H) HUMIDITY SENSOR
- (C) CO2 MONITOR
- CP 120V HVAC CONTROLS POWER
- TS AVERAGING TEMPERATURE SENSOR
- H DUCT MOUNTED HUMIDITY SENSOR
- AO ANALOG OUTPUT
- AI ANALOG INPUT
- DO DIGITAL OUTPUT
- DI DIGITAL INPUT
- SD DUCT MOUNTED SMOKE DETECTOR. SMOKE DETECTOR FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR, INSTALLED IN DUCT BY MECHANICAL CONTRACTOR.
- HOA HAND-OFF-AUTO MAGNETIC STARTER
- SP DUCT STATIC PRESSURE SENSOR
- DP DIFFERENTIAL PRESSURE SENSOR
- INTERLOCK WITH FIRE ALARM SYSTEM
- M FAN/PUMP MOTOR
- VFD VARIABLE FREQUENCY DRIVE
- CT CURRENT TRANSDUCER
- FS FLOW SWITCH
- DIRECTION OF FLOW
- TS PIPE MOUNTED TEMPERATURE SENSOR
- 2-WAY AUTOMATIC VALVE
- 3-WAY AUTOMATIC VALVE
- H-O-A HAND-OFF-AUTO SWITCH
- AFM AIR FLOW MONITOR. (PROVIDE ACCESS DOOR AT EACH AIR FLOW MONITOR.)

HVAC CONTROLS LEGEND

- CHS CHILLED WATER SUPPLY PIPING.
- CHR CHILLED WATER RETURN PIPING.
- HWS HOT WATER SUPPLY PIPING.
- HWR HOT WATER RETURN PIPING.
- D DRAIN PIPING.
- AAV - AUTO. AIR VENT (MARKED OR SHOWN)
- GATE VALVE.
- GLOBE VALVE.
- BALL VALVE.
- TWO-WAY AUTO CONTROL VALVE.
- THREE-WAY AUTO CONTROL VALVE.
- BUTTERFLY VALVE.
- BUTTERFLY VALVE.
- PRESSURE REDUCING VALVE.
- PIPE TURNING UP.
- PIPE TURNING DOWN.
- BRANCH OFF TOP OF MAIN.
- BRANCH OFF BOTTOM OF MAIN.
- BRANCH OFF SIDE OF MAIN.
- CALIBRATED BALANCING VALVE
- ECCENTRIC REDUCER
- STRAINER (Y)
- FLEXIBLE CONNECTION IN PIPING.
- UNION
- PETES PLUG
- SLOPE DOWN IN DIRECTION OF ARROW.
- CHECK VALVE
- ASME PRESSURE RELIEF VALVE.

PIPING LEGEND

DUCTWORK LEGEND

- (CFM) S SUPPLY DIFFUSER
- (CFM) R RETURN GRILLE
- (CFM) E EXHAUST GRILLE
- (CFM) T TRANSFER AIR GRILLE
- (CFM) SR SIDEWALL REGISTER
- ROUND DUCT SYMBOL
- RECTANGULAR DUCT (WIDTH X HEIGHT)
- EXISTING DUCTWORK, PIPING, OR EQUIPMENT TO REMAIN.
- EXISTING DUCTWORK, PIPING, OR EQUIPMENT TO BE REMOVED.
- RECTANGULAR SUPPLY DUCT FLOOR OR ROOF PENETRATION
- RECTANGULAR RETURN AIR OR EXHAUST DUCT FLOOR OR ROOF PENETRATION
- RECTANGULAR SUPPLY DUCT TURNING UP
- RECTANGULAR SUPPLY AIR DUCT TURNING DOWN
- RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING UP
- RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING DOWN
- FLAT OVAL TURNING UP.
- FLAT OVAL TURNING DOWN.
- ROUND DUCT TURNING UP
- ROUND DUCT TURNING DOWN
- MAXIMUM 5' FLEXIBLE DUCT ALL BRANCH DUCTS
- RECTANGULAR 90° ELBOW WITH TURNING VANES FOR SUPPLY. FLAT OVAL SQUARE ELBOWS ONLY WHERE REQUIRED AND SHOWN.
- ROUND AND FLAT OVAL ELBOWS. DIE CAST THROUGH 5" ROUND, 5 PIECE 6" ROUND AND ABOVE
- RISE OR DROP IN DUCT
- RECTANGULAR BRANCH OFF OF RECTANGULAR DUCT WITH MANUAL DAMPER
- CONICAL SPIN-IN WITH MANUAL DAMPER
- MD MANUAL DAMPER
- FD FIRE DAMPER (PROVIDE ACCESS DOOR)
- AD AUTOMATIC DAMPER
- SFD COMBINATION SMOKE/FIRE DAMPER (PROVIDE ACCESS DOOR)
- FLEXIBLE CONNECTION
- (T) TEMPERATURE SENSOR
- (H) HUMIDITY SENSOR
- (C) CO2 MONITOR
- CONNECT TO EXISTING, FIELD VERIFY EXACT SIZE AND LOCATION.

OUTDOOR HEAT PUMP (MINI-SPLIT SYSTEM) SCHEDULE

TYPE:											
1. OUTDOOR HEAT PUMP											
NOTES:											
1. REFRIGERANT PIPING SHALL BE SIZED AND ROUTED PER MANUFACTURER'S RECOMMENDATIONS.											
2. POWER TO INDOOR UNITS IS PROVIDED THRU OUTDOOR UNITS											
3. REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS.											
4. UNIT SHALL BE CAPABLE OF MINIMUM LINE LENGTH OF 65FT.											
MARK	TYPE	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	ELECTRICAL					EFFICIENCY		BASIS OF DESIGN
				V	PH	HZ	MCA (A)	MOCP (A)	SEER	HSPF	
OHP-1	1	24	26	240	1	60	19	25	21.5	10.8	TRANE

WALL HEATER SCHEDULE

HEATER TYPE:					ACCESSORIES:	
1. ELECTRIC WALL HEATER.					1. SURFACE MOUNTING. 2. UNIT MOUNTED THERMOSTAT. 3. CONCEALED ON/OFF SWITCH. 4. HIGH LIMIT CONTROLS. 5. BUILT-IN CIRCUIT BREAKER.	
MARK	SIZE (kW)	ELECTRICAL			ACCESSORIES	BASIS OF DESIGN
		V	PH	HZ		
EW-H-A	3	240	1	60	1, 2, 3, 4, 5	MARKEL

INDOOR HEAT PUMP (MINI-SPLIT SYSTEM) SCHEDULE

TYPE:

1. INDOOR, WALL MOUNT

NOTES:

1. AIRFLOW RATED AT HIGH FAN SPEED.

2. POWER FOR INDOOR UNIT IS FED FROM OUTDOOR UNIT.

3. COOLING CAPACITY RATED AT 95°F.

4. HEATING CAPACITY RATED AT 47°F.

ACCESSORIES:

1. 3-POLE DISCONNECT SWITCH.

2. HARD WIRED UNIT CONTROLLER.

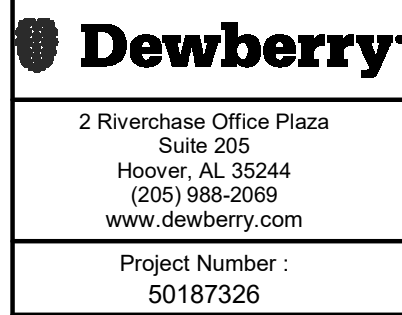
3. FULL PORT BALL VALVES & SCHRADER VALVES WITH FLARED CONNECTIONS.

4. FIELD-INSTALLED CONDENSATE PUMP (120/1/60) - 1 GPH @ 33 FT. HD.

MARK	TYPE	AIRFLOW (CFM)	NOMINAL TONS	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	DIMENSIONS (IN.) (WxLxH)	ELECTRICAL				WEIGHT (LBS.)	ACCESSORIES	BASIS OF DESIGN
							V	PH	HZ	MCA (A)			
IHP-1	1	775	2	24	26	46" x 12" x 15"	240 V	1	60	1.0	46	1, 2, 3, 4.	TRANE

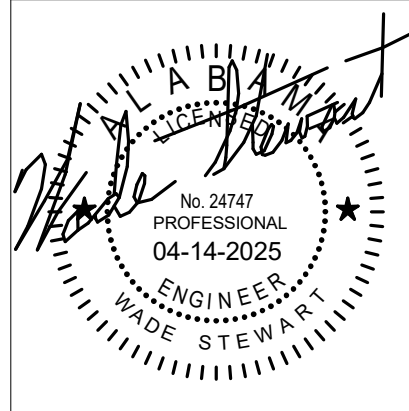
FAN SCHEDULE

FAN TYPE:														FAN ACCESSORIES:																											
1. CEILING MOUNTED EXHAUST FAN.														1. BACKDRAFT DAMPER.														5. SPRING VIBRATION ISOLATORS													
2. FLY FAN														2. DISCONNECT SWITCH.														6. FUSED DISCONNECT, MAGNETIC DOOR / WINDOW SWITCH													
														3. ALUMINUM CEILING GRILLE.																											
														4. 5A-120V FAN SPEED CONTROLLER.																											
MARK	FAN TYPE	AIRFLOW (CFM)	E.S.P. (IN.-W.G.)	WHEEL SIZE (INCHES)	SOUND CRITERIA (SONES/dBA)	RPM	MOTOR (HP / W)	ELECTRICAL			INTERLOCK WITH	WEIGHT (LBS)	ACCESSORIES	BASIS OF DESIGN																											
								V	PH	HZ																															
EF-1	1	210	0.5"	7.6	5 SONES	1356	96 W	110 V	1	60	LIGHTS	25	1, 2, 3, 4, 5	GREENHECK SP																											
EF-2	1	210	0.5"	7.6	5 SONES	1356	96 W	110 V	1	60	LIGHTS	25	1, 2, 3, 4, 5	GREENHECK SP																											
EF-3	1	70	0.5"	7.6	2 SONES	909	35 W	110 V	1	60	LIGHTS	25	1, 2, 3, 4, 5	GREENHECK SP																											
EF-4	1	140	0.5"	7.6	3 SONES	909	68 W	110 V	1	60	THERMOSTAT	25	1, 2, 3, 4, 5	GREENHECK SP																											



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NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION



SHEET TITLE:
MECHANICAL LEGEND AND
SCHEDULES

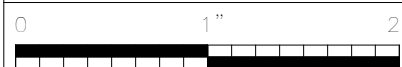
PROJ. MGR.: WS
DRAWN: WMD
DATE: 04/14/2025
REVISIONS

JOB NO. 25-07

SHEET NO:

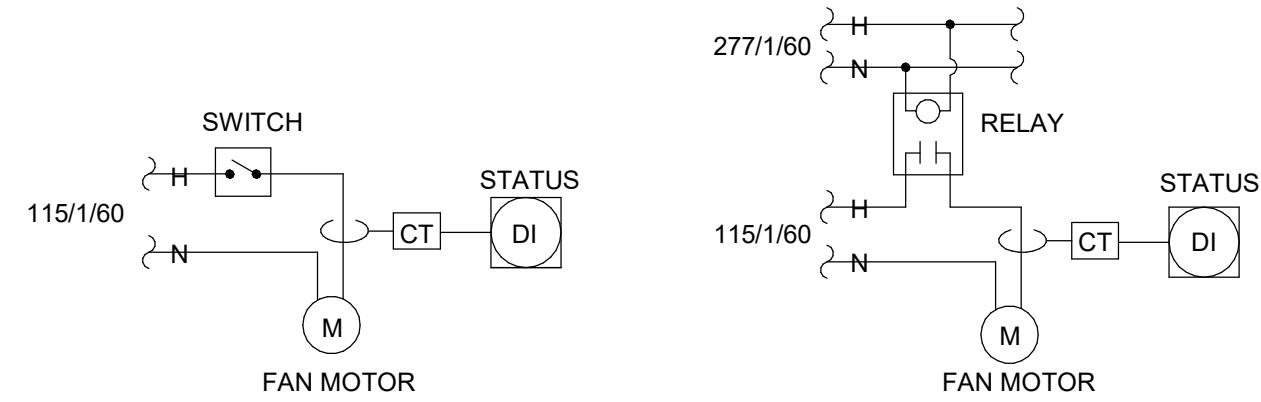
M0.1

1 OF 3



HVAC CONTROLS - GENERAL NOTES

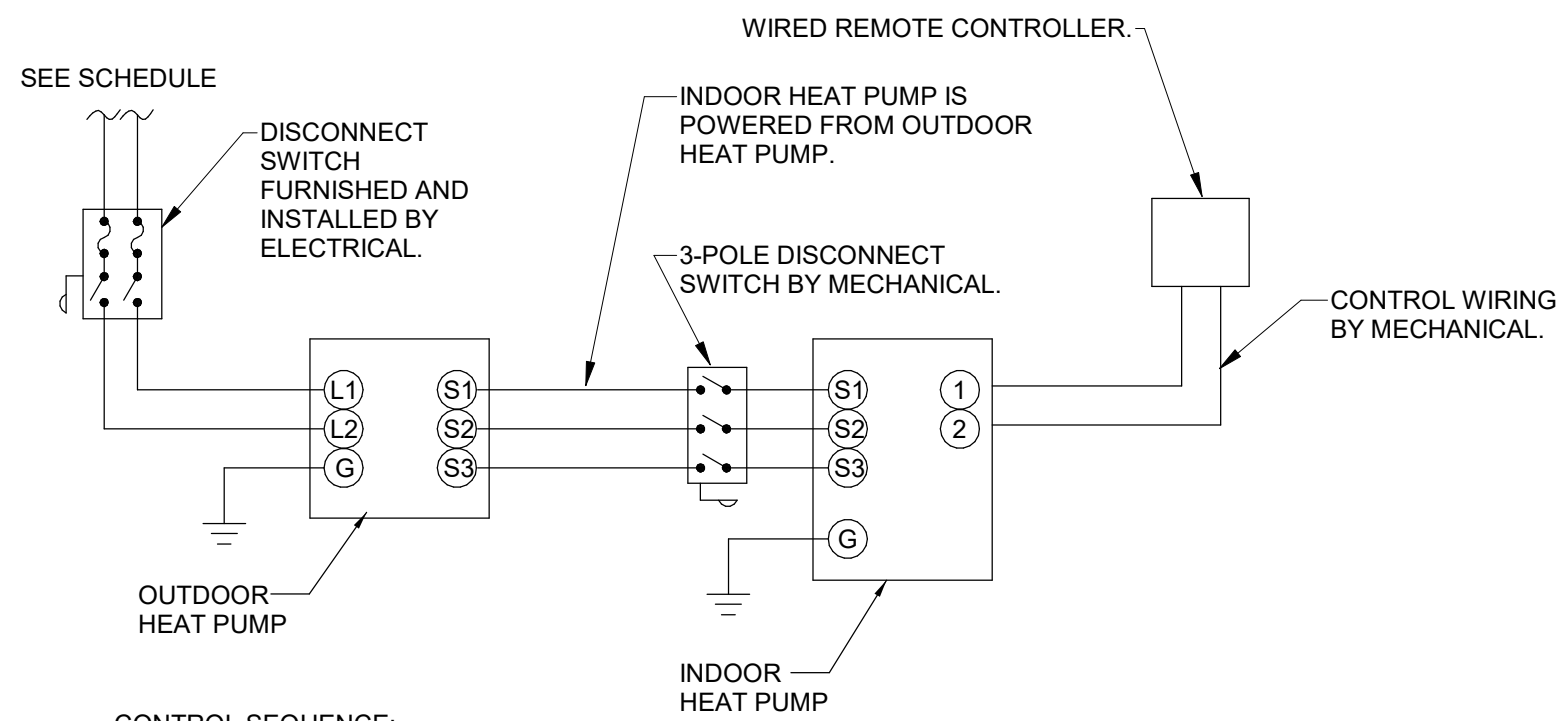
- MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT QUANTITY AND LOCATIONS OF 120V CONTROL POWER NECESSARY TO CONTROL PANELS AND EQUIPMENT THROUGHOUT PROJECT.
- MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT QUANTITY AND LOCATIONS OF 120V CONTROL POWER NECESSARY TO POWER AUTOMATIC CONTROL VALVES, AUTOMATIC DAMPER ACTUATORS, AND SMOKE DAMPER ACTUATORS.
- ALL SMOKE DETECTORS ARE PROVIDED AND WIRED BY ELECTRICAL, INSTALLED BY MECHANICAL.
- PROVIDE ALL NECESSARY RELAYS, SWITCHES, SENSORS, LOW VOLTAGE CONTROL WIRING, ACTUATORS, ETC. FOR A COMPLETE AND FUNCTIONAL CONTROL SYSTEM.
- FOR ALL ROOFTOP AC UNITS AND ALL ENERGY RECOVERY UNITS, PROVIDE A FULLY FUNCTIONAL BUILDING AUTOMATION SYSTEM. PROVIDE A CONTROL PANEL. THE CONTROL PANEL SHALL HAVE A GRAPHICAL USER INTERFACE FOR EASY ADJUSTMENT OF THE CORRESPONDING AC UNIT, INCLUDING SETPOINT ADJUSTMENTS AND OCCUPIED AND UNOCCUPIED HOURS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- PROVIDE LOCKING COVERS ON ALL THERMOSTATS AND CONTROL DEVICES AS INDICATED ON THE FLOOR PLANS.



EXHAUST FAN CONTROLLED BY SWITCH. EXHAUST FAN CONTROLLED BY LIGHTING CIRCUIT.
THE BAS SHALL MONITOR FAN STATUS VIA A CURRENT TRANSDUCER.

EXHAUST FAN CONTROLS

NO SCALE

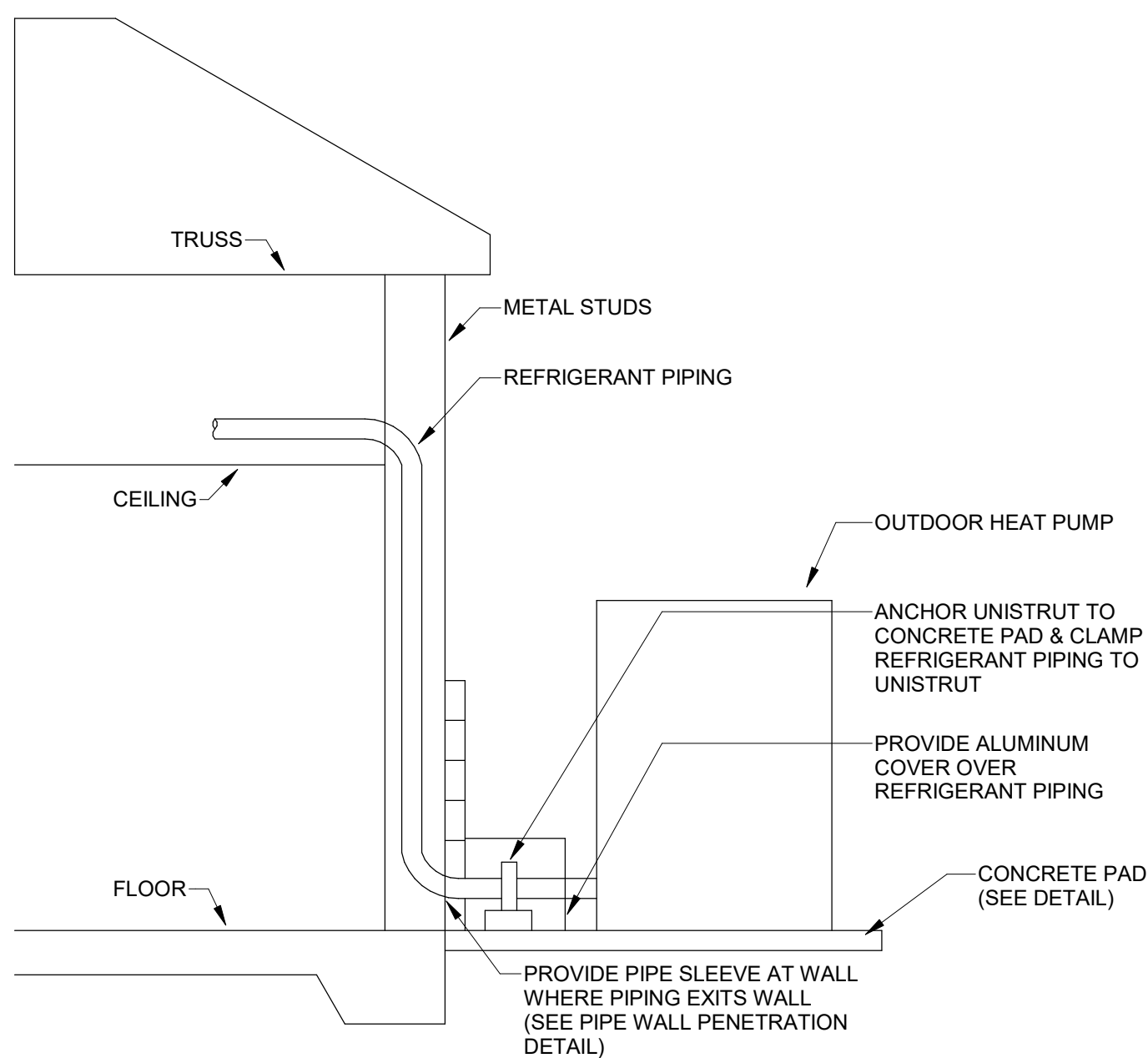


CONTROL SEQUENCE:

THE AC UNIT SHALL BE CONTROLLED BY A WIRED WALL MOUNTED REMOTE CONTROLLER. THE CONTROLLER SHALL CYCLE ON COMPRESSOR(S) TO MAINTAIN COOLING SETPOINT (74°F - ADJUSTABLE) AND HEATING SETPOINT (70°F - ADJUSTABLE). ALL MINI-SPLIT AC UNITS THAT SERVE ELECTRICAL AND IT ROOMS SHALL NOT SET THEIR TEMPERATURE BACK AT NIGHT. FOR ALL MINI-SPLIT AC UNITS THAT SERVE OFFICES, CLASSROOMS, ETC. SHALL SET THEIR TEMPERATURE BACK TO 4°F ABOVE SETPOINT IN SUMMER AND 4°F BELOW SETPOINT IN THE WINTER. COORDINATE WITH OWNER TO ESTABLISH OCCUPIED / UNOCCUPIED SCHEDULES.

DUCTLESS SPLIT SYSTEM CONTROLS

NO SCALE



CONDENSING UNIT INSTALLATION DETAIL

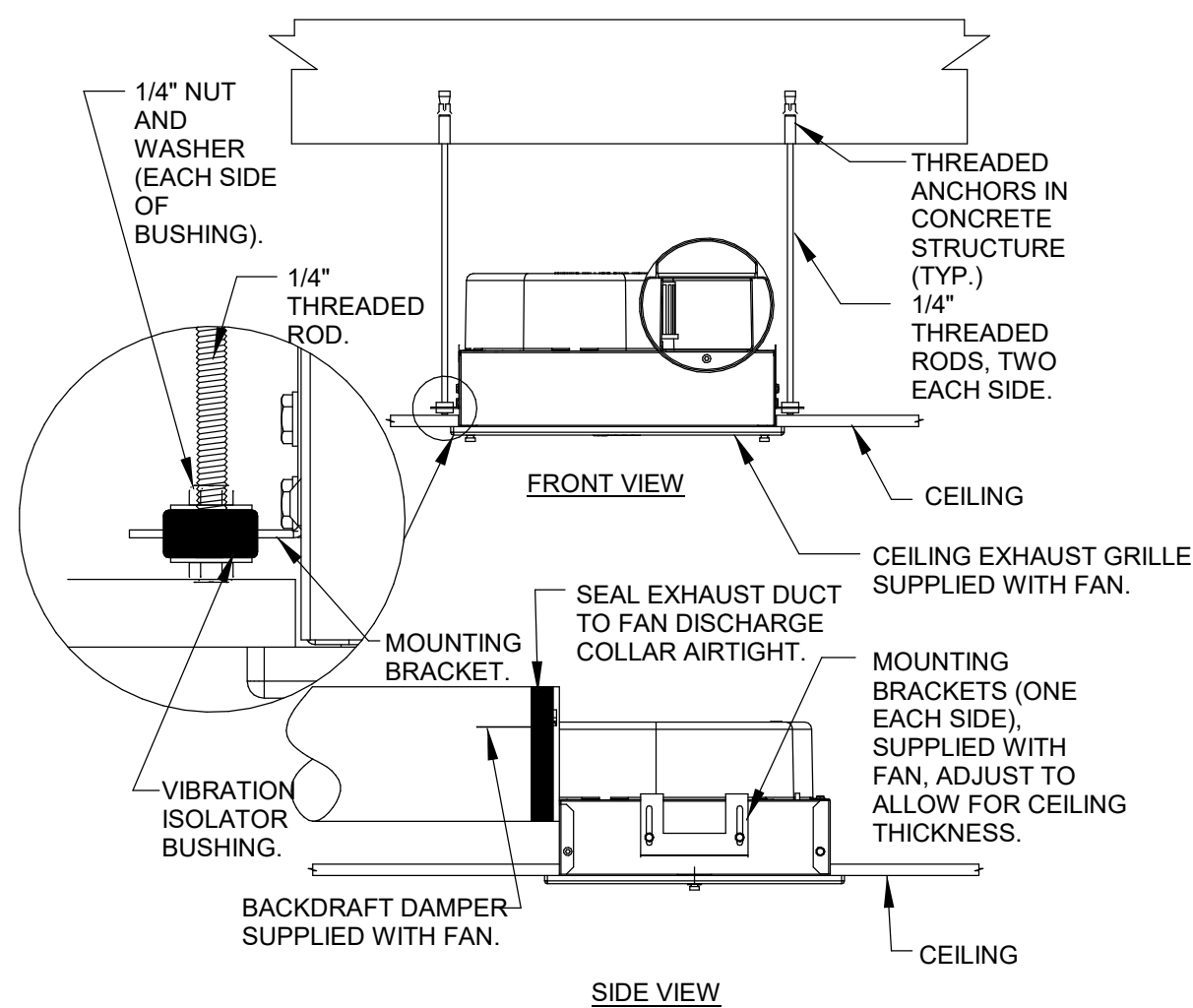
NO SCALE

REFRIGERANT LEAK DETECTION CONTROLS:

- THE LEAK DETECTION SYSTEM SHALL CONSIST OF ONE OR MORE REFRIGERANT LEAK DETECTION SENSORS INSTALLED IN THE HVAC EQUIPMENT BY THE HVAC EQUIPMENT MANUFACTURER.
- WHEN THE SYSTEM DETECTS A LEAK, THE FOLLOWING MITIGATION ACTIONS WILL BE INITIATED UNTIL REFRIGERANT HAS NOT BEEN DETECTED FOR 5 MINUTES:
 - SUPPLY FANS SHALL BE ENERGIZED TO RUN AT 100% FAN SPEED.
 - COMPRESSOR OPERATION SHALL BE DISABLED.
 - ALL ZONING DAMPERS, SUCH AS VAV TERMINAL UNITS SHALL BE OPENED TO 100%.
 - ALL ELECTRIC HEAT OR GAS HEAT SHALL BE DISABLED.
- THE BUILDING FIRE AND SMOKE SYSTEMS SHALL OVERRIDE THIS FUNCTION.
- IF THE REFRIGERANT SENSOR HAS A FAULT, IS AT THE END OF ITS USEFUL LIFE, OR IS DISCONNECTED, THE AC UNIT WILL INITIATE THE ABOVE MITIGATION ACTIONS. MITIGATION ACTIONS SHALL BE VERIFIED BY DISCONNECTING THE SENSOR.
- THE REFRIGERANT SENSORS DO NOT NEED ROUTINE MAINTENANCE. USE ONLY MANUFACTURER-APPROVED SENSORS WHEN REPLACEMENT IS REQUIRED.

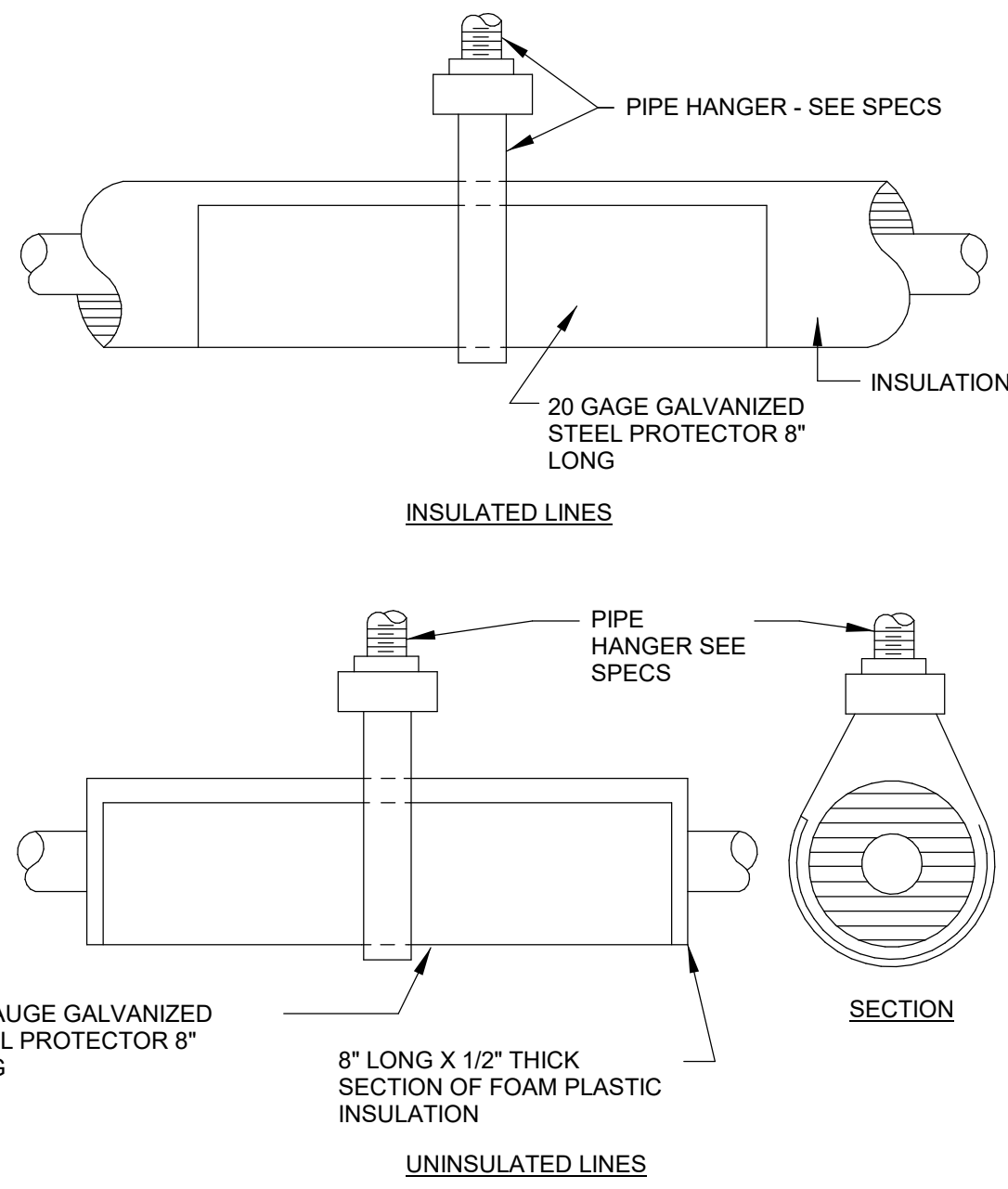
HVAC EQUIPMENT REFRIGERANT GENERAL NOTES:

- THIS PROJECT IS DESIGNED WITH HVAC EQUIPMENT WHICH USE A2L REFRIGERANT.
- THE MECHANICAL DESIGN WILL COMPLY WITH THE 2024 INTERNATIONAL MECHANICAL CODE, ASHRAE 15-2022, AND ASHRAE 34-2022.
- THE INSTALLATION SHALL ALSO COMPLY WITH THESE STANDARDS.
- HVAC EQUIPMENT SHALL BE MANUFACTURED TO COMPLY WITH THESE STANDARDS, AS WELL AS UL 484, UL/CSA 60335-2-40, AND UL/CSA 60355-2-89.



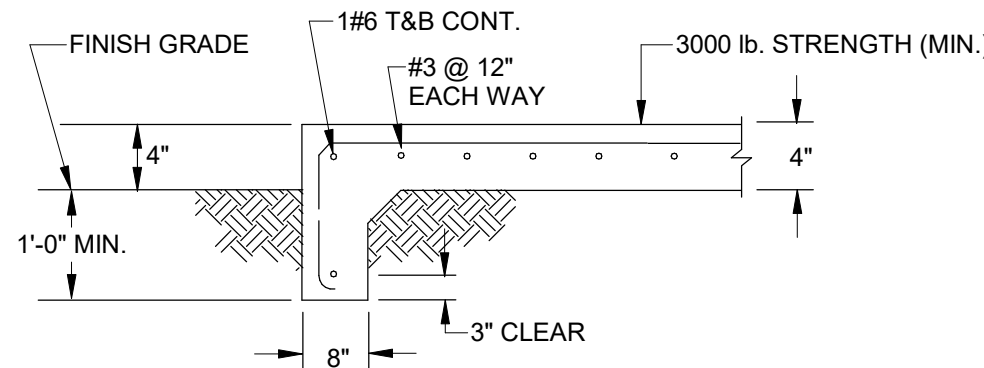
CEILING EXHAUST FAN DETAIL

NO SCALE



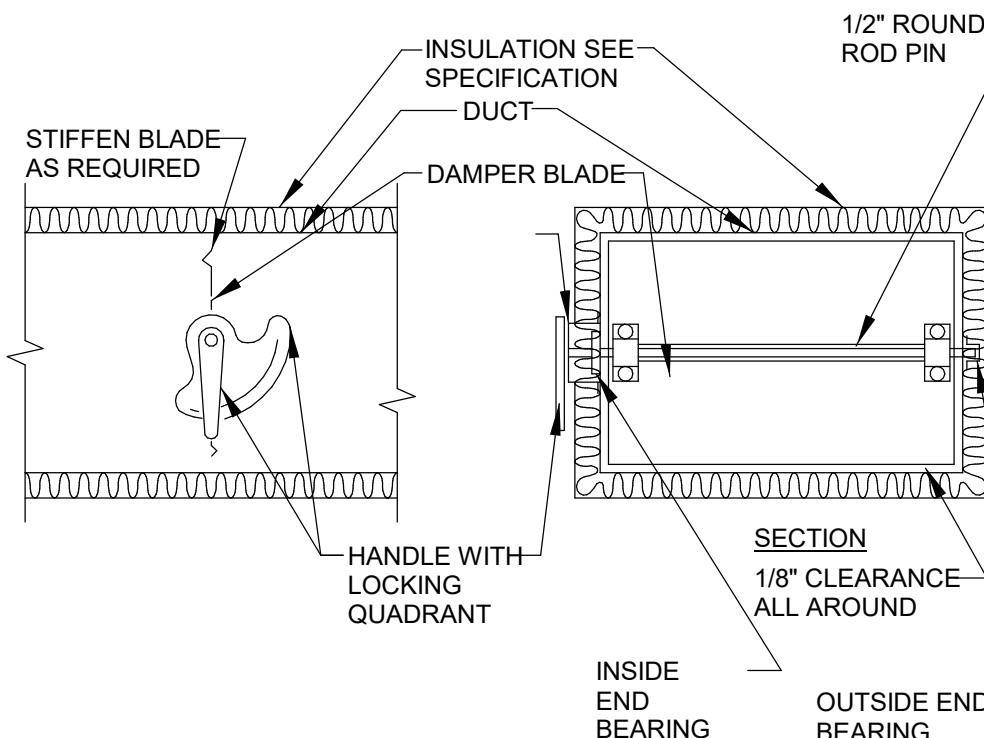
REFRIGERANT PIPING HANGER DETAIL

NO SCALE



CONCRETE PAD DETAIL

NO SCALE

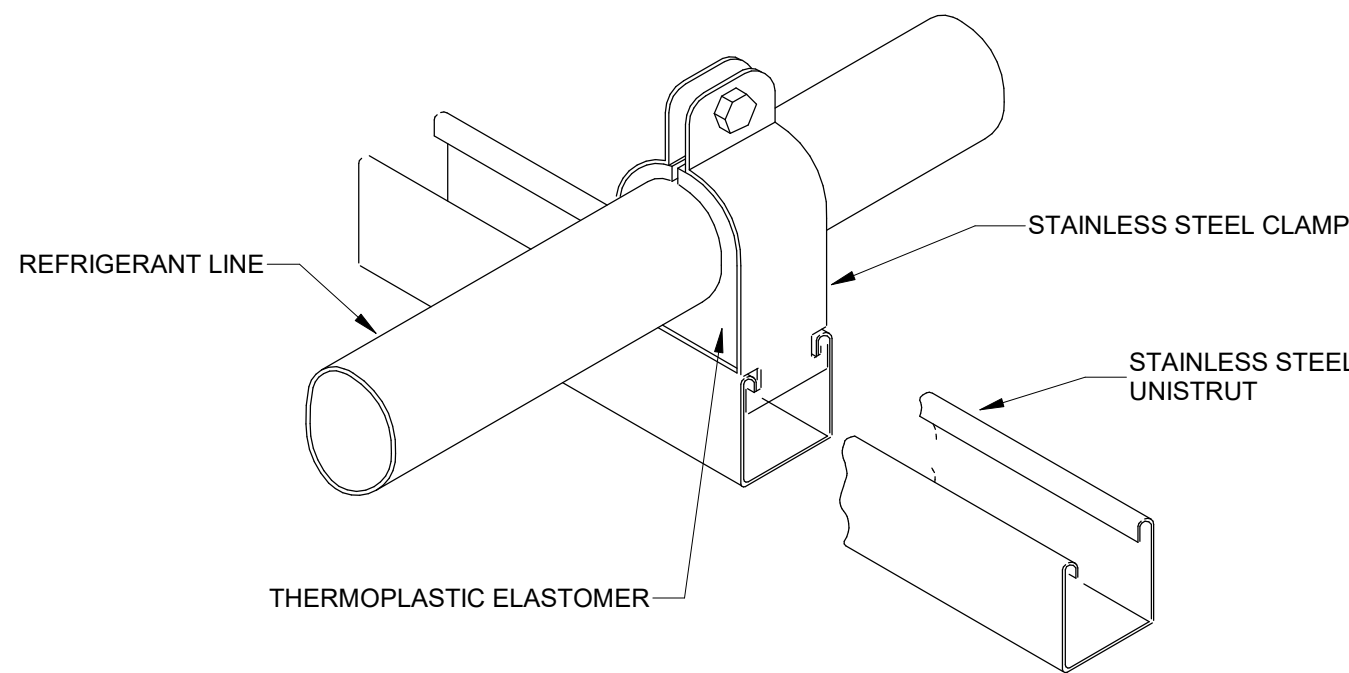


NOTE:

- DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
- DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.
- MANUAL DAMPERS SHALL BE EQUAL TO RUSKIN MD35 (FOR RECTANGULAR DUCTS) AND SHALL BE EQUAL TO RUSKIN MDRS25 (FOR ROUND DUCTS).

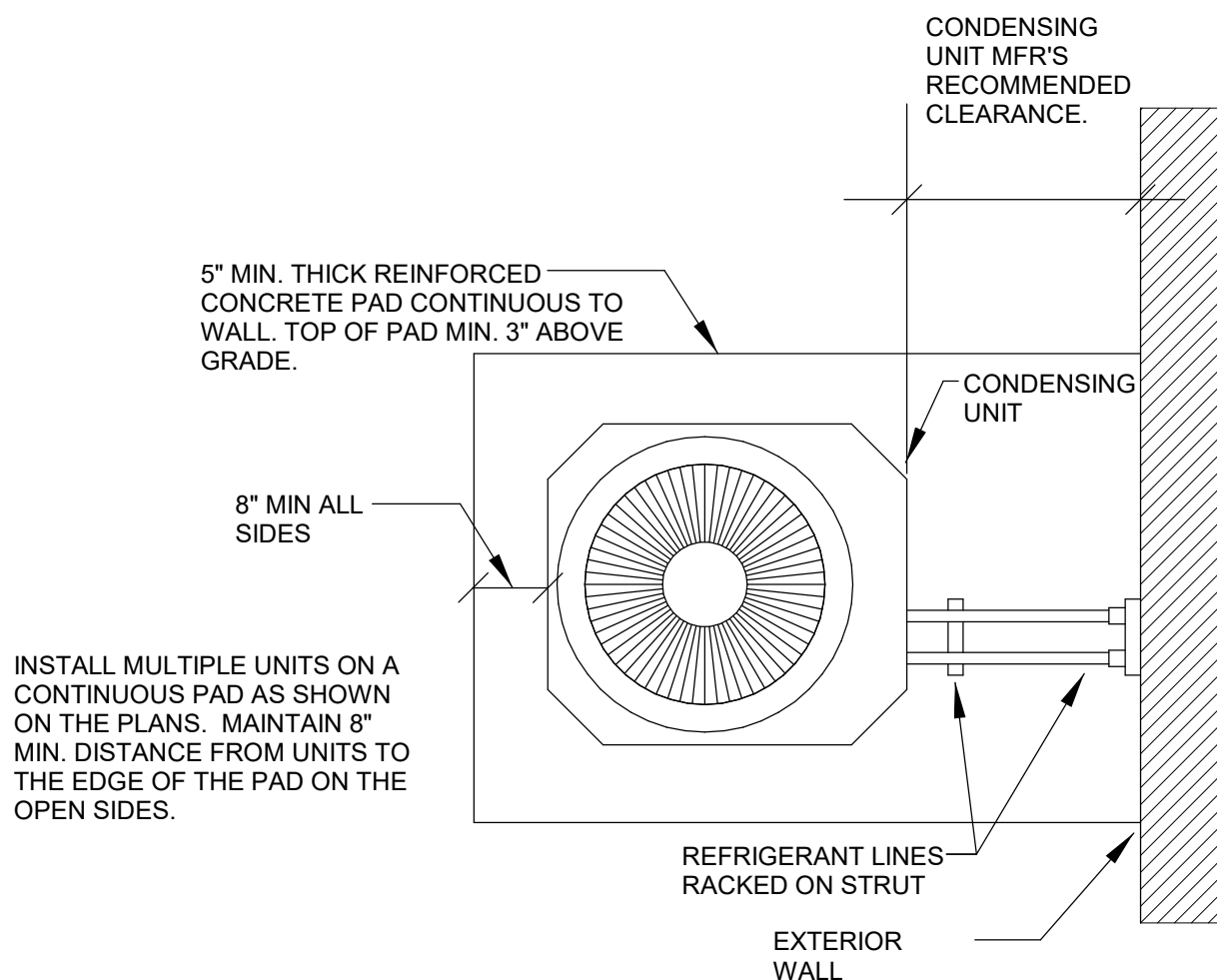
MANUAL DAMPER DETAIL

NO SCALE



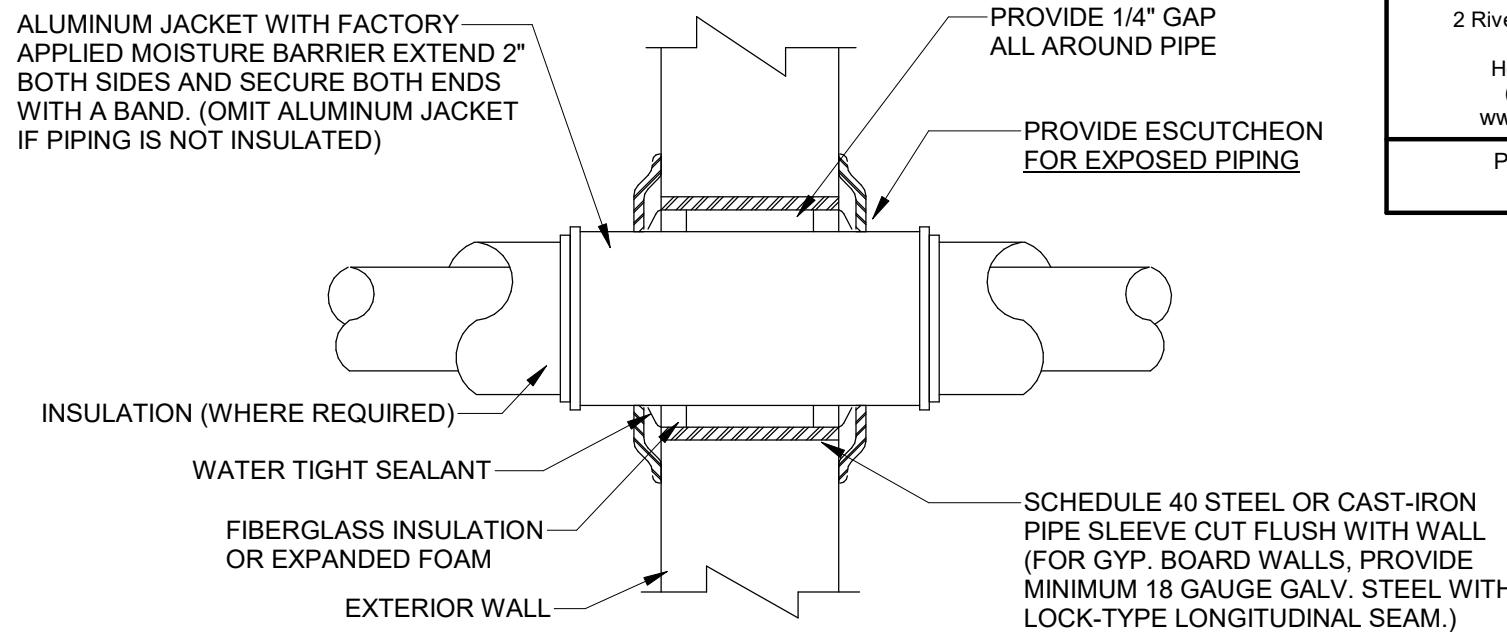
REFRIGERANT LINE SUPPORT DETAIL

NO SCALE



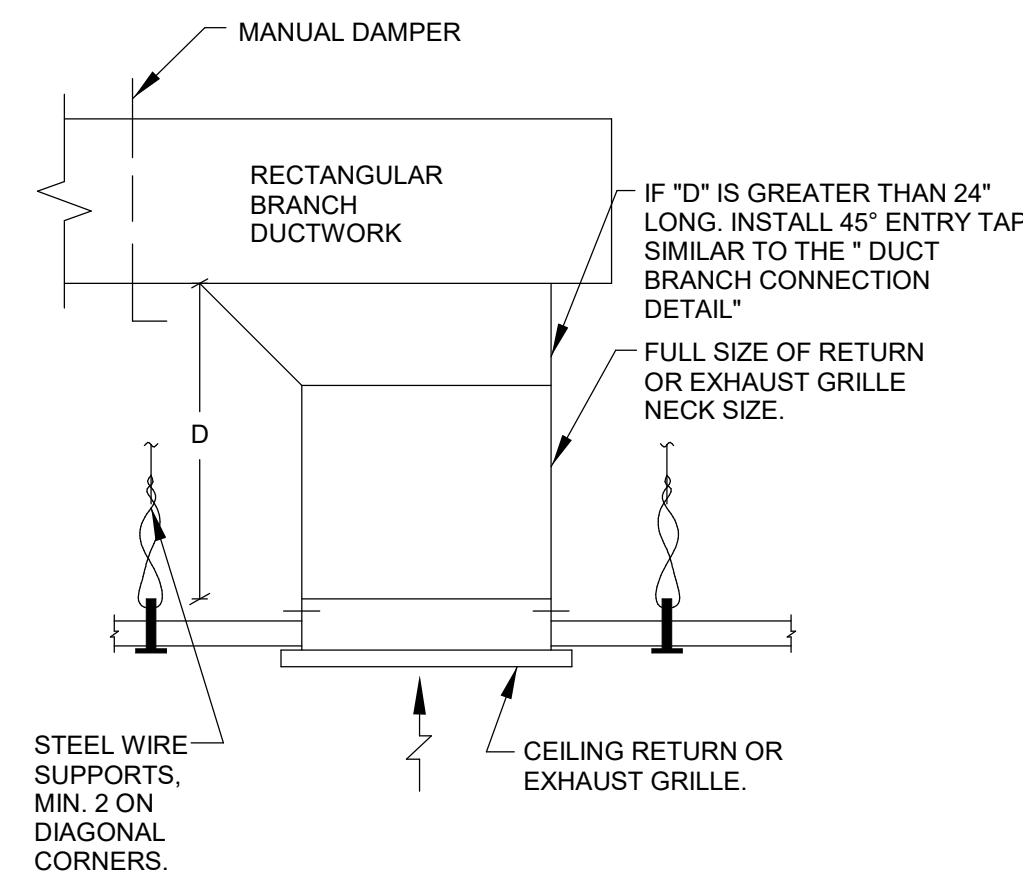
CONDENSING UNIT INSTALLATION

NO SCALE



PIPE PENETRATION DETAIL

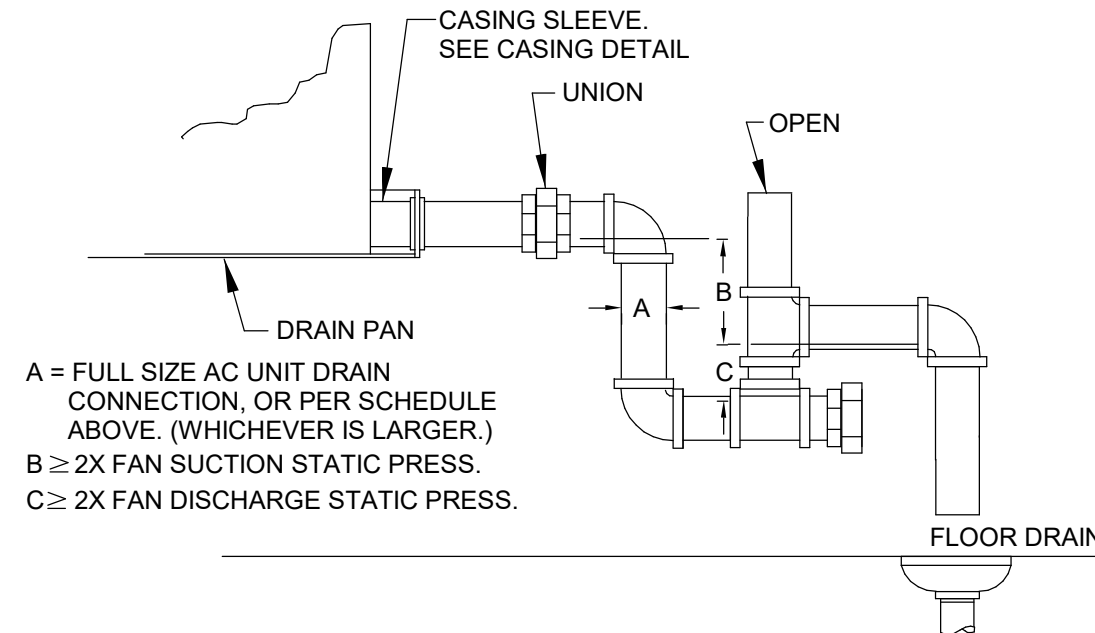
NO SCALE



CEILING RETURN/EXHAUST BRANCH CONNECTION DETAIL

NO SCALE

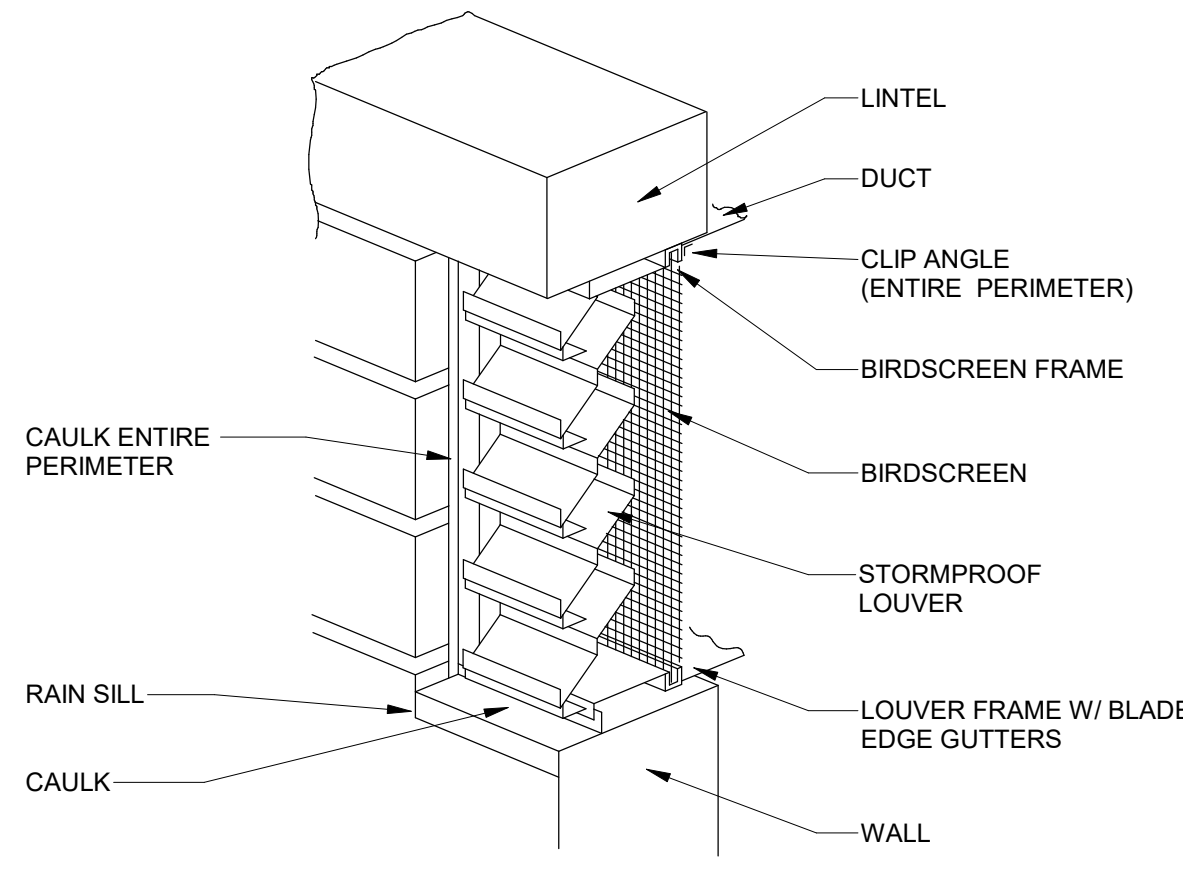
MINIMUM CONDENSATE PIPE SIZE	
AC TONS	MIN. DRAIN SIZE
0 TO 20	1"
21 TO 40	1-1/4"
41 TO 60	1-1/2"
61 TO 100	2"
101 TO 250	3"
251 & LARGER	4"



A = FULL SIZE AC UNIT DRAIN CONNECTION, OR PER SCHEDULE ABOVE. (WHICHEVER IS LARGER.)
B ≥ 2X FAN SUCTION STATIC PRESS.
C ≥ 2X FAN DISCHARGE STATIC PRESS.

AC UNIT DRAIN TRAP DETAIL

NO SCALE



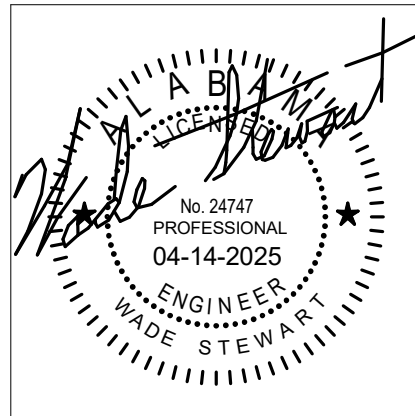
HVAC WALL LOUVER

NO SCALE



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(205) 988-2069
www.dewberry.com
Project Number :
50187326

NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 411, ODENVILLE, ALABAMA 35120
ST. CLAIR COUNTY BOARD OF EDUCATION



SHEET TITLE:
MECHANICAL DETAILS AND CONTROLS

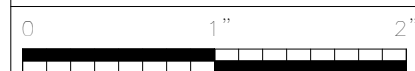
PROJ. MGR.: WS
DRAWN: WMD
DATE: 04/14/2025
REVISIONS

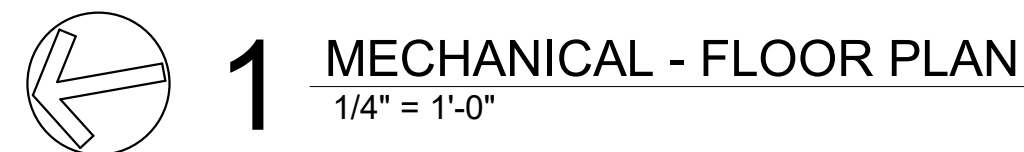
JOB NO. 25-07

SHEET NO:

M0.2

2 OF 3





 **2** MECHANICAL PIPING - FLOOR PLAN
1/4" = 1'-0"

A circular professional engineer seal for the State of Alabama. The outer ring contains the text "STATE OF ALABAMA" at the top and "ENGINEER" at the bottom. Inside the ring, the text "No. 24747" and "04-14-2025" are printed. The name "Wade Stewart" is written in cursive across the seal. A star is located on the right side of the inner circle.

PROJ. MGR.:	WS
DRAWN:	WMD
DATE:	04/14/2025
REVISIONS	

PROJ. MGR.:	WS
DRAWN:	WMD
DATE:	04/14/2025
REVISIONS	

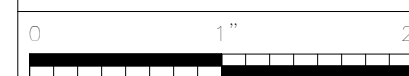
REVISIONS

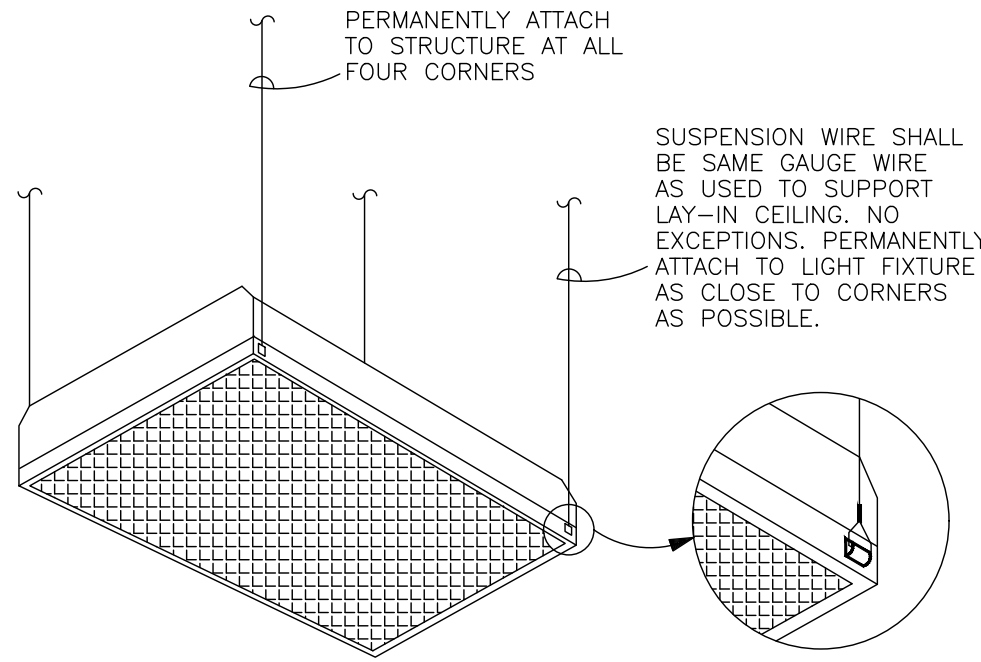
JOB NO. 25-07

SHEET NO

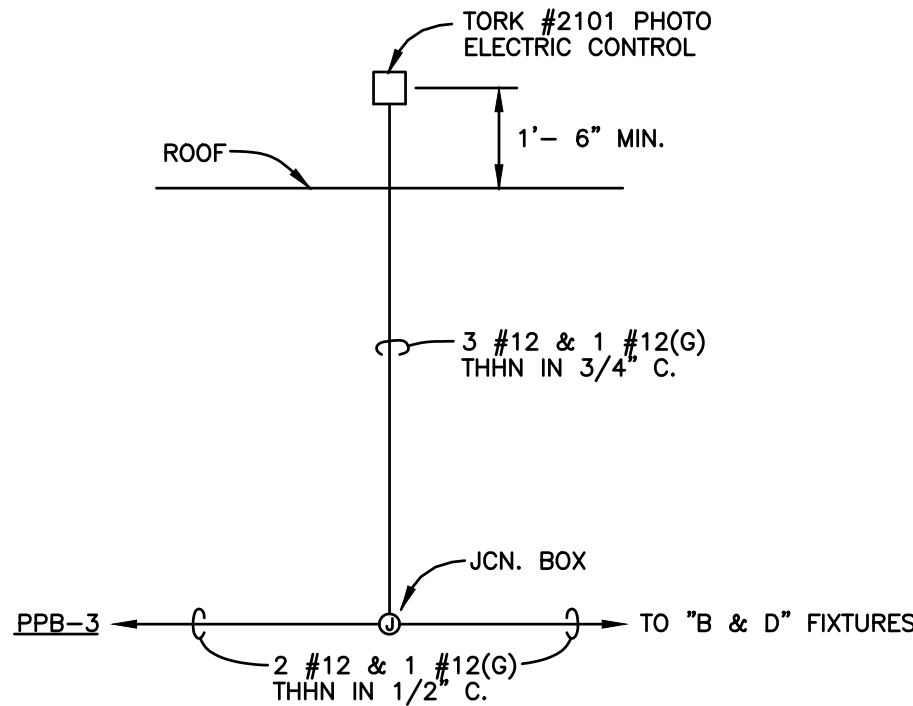
M1.0

3 OF 3





DETAIL - LIGHT FIXTURE SUPPORT
N.T.S.



DETAIL - P.E. CELL
N.T.S.

COLOR CODE FOR JUNCTION BOXES

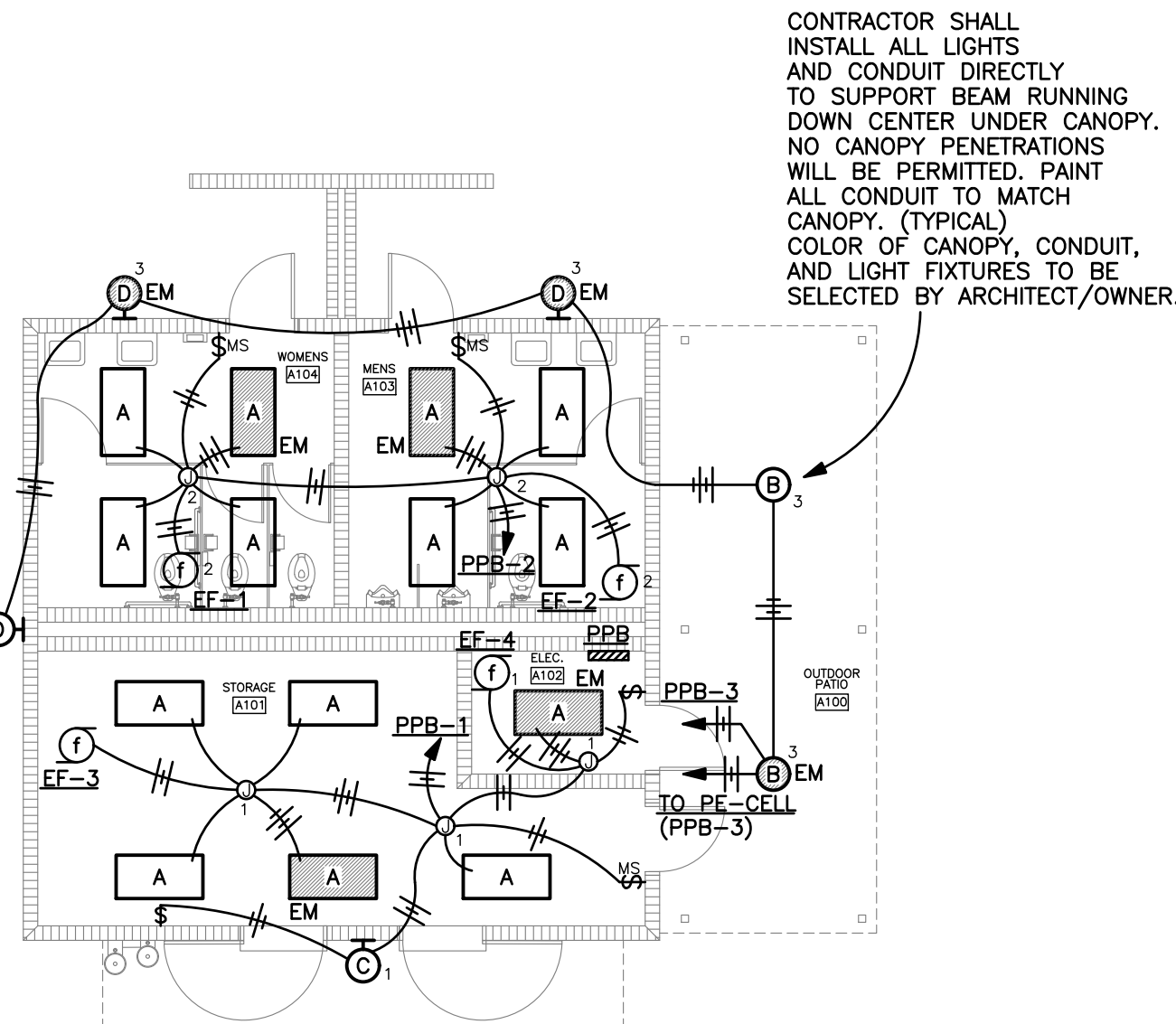
NOTE:
PAINT ALL JUNCTION BOXES AND COVERS WITH COLORS AS SHOWN BELOW. PAINTING COVERS ONLY IS NOT ACCEPTABLE.

FUNCTION:

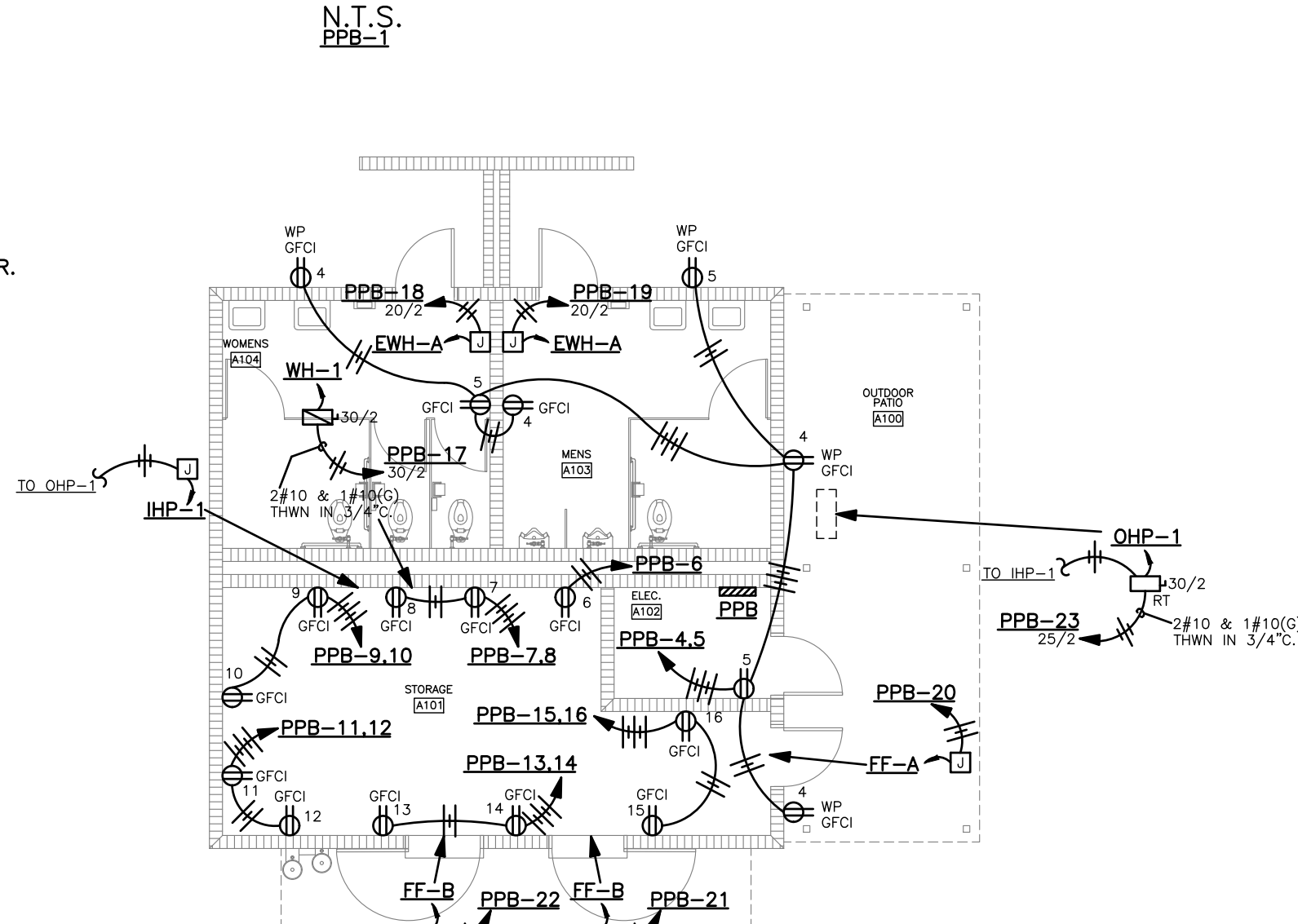
LIGHTING
POWER

COLOR:

BLUE
GREEN



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



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

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NO.	LAMPS			MOUNTING HEIGHT	TYPE MOUNTING	RECESS DEPTH	REMARKS
			NO.	WATTS	TYPE				
A	METALUX	24FP6440C-UNV	FURNISHED WITH FIXTURE			CEILING	RECESSED	3-1/4"	
A (EM)	METALUX	24FP6440C-UNV EBPLED14W	FURNISHED WITH FIXTURE			CEILING	RECESSED	3-1/4"	SEE NOTE 1
B	MCGRAW-EDISON	TT-D2-740-U-MQ-BZ-F-TR	FURNISHED WITH FIXTURE			CEILING	SURFACE		
B (EM)	MCGRAW-EDISON	TT-D2-740-U-MQ-BZ-F-TR-BP	FURNISHED WITH FIXTURE			CEILING	SURFACE		SEE NOTE 1
C	LUMIERE	303-W1-LED81-3000-120-T2-XX	FURNISHED WITH FIXTURE			VERIFY WITH ARCHITECT	BRACKET		
D	MCGRAW-EDISON	ISW-E02-LED-E1-BL4-BZ-TR-OSB	FURNISHED WITH FIXTURE			+9'	BRACKET		
D (EM)	MCGRAW-EDISON	ISW-E02-LED-E1-BL4-BZ-TR-BBB	FURNISHED WITH FIXTURE			+9'	BRACKET		SEE NOTE 1

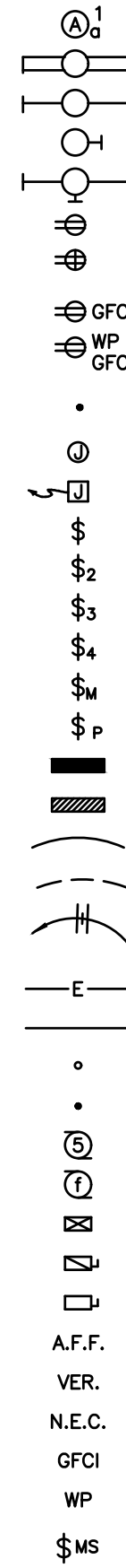
- NOTES:
- FEED ALL "EM" FIXTURES WITH SWITCHED AND UNSWITCHED HOT LEGS. UNSWITCHED HOT LEG IS USED FOR VOLTAGE SENSING.
 - VERIFY ALL FIXTURE COLORS WITH ARCHITECT PRIOR TO SUBMITTALS.
 - EQUAL FIXTURES BY LITHONIA, DAYBRITE, PARKER, AND COLUMBIA WILL BE CONSIDERED APPROVED EQUALS.

PANELBOARD SCHEDULE

MARK	TYPE	MAINS			BRANCHES					LUG LOCATION	TYPE MOUNTING	AREA PANEL LOCATED	AVAILABLE FAULT CURRENT	REMARKS
		TYPE	AMPS	SERVICE	1 POLE	2 POLE	3 POLE	SPARES	SPACES					
PPB	NOOD	M/B	150	120/240V 1Ø, 3W	19-20	2-20 1-25 1-30		6-20/1	9-1PS	BOTTOM	SURFACE	ELEC A102	10,000	SEE NOTES 1, 2, 3, & 4

- NOTES:
- ALL PANELBOARDS SHALL BE CAPABLE OF WITHSTANDING AND INTERRUPTING THE AVAILABLE FAULT CURRENTS AS LISTED ABOVE.
 - ALL PANELBOARDS SHALL HAVE MICARTA LABELS SHOWING PANELBOARD DESIGNATION, AND OPERATING VOLTAGE.
 - SHALL BE RATED FOR SERVICE ENTRANCE EQUIPMENT.
 - NO SERIES RATING WILL BE ALLOWED ON ANY PANELBOARDS.

- PANELBOARD NOTES:
- MANUFACTURER OF SWITCHBOARDS AND/OR PANELBOARDS SHALL PERFORM FAULT CURRENT CALCULATIONS, COORDINATION STUDY, AND ARC FLASH HAZARD ANALYSIS, AND LABEL ALL PANELBOARDS, IN ACCORDANCE WITH NFPA 70E-2009 (ARTICLE 130) AND NFPA 70-2008 (ARTICLE 110.16).
 - CONTRACTOR SHALL FIELD MARK ELECTRICAL SERVICE EQUIPMENT WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT PER NEC 110.24.
 - CONTRACTOR SHALL FIELD MARK ELECTRICAL PANELS WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES WHERE PANELS ARE FED FROM PER NEC 408.4(B).



ELECTRICAL SYMBOLS

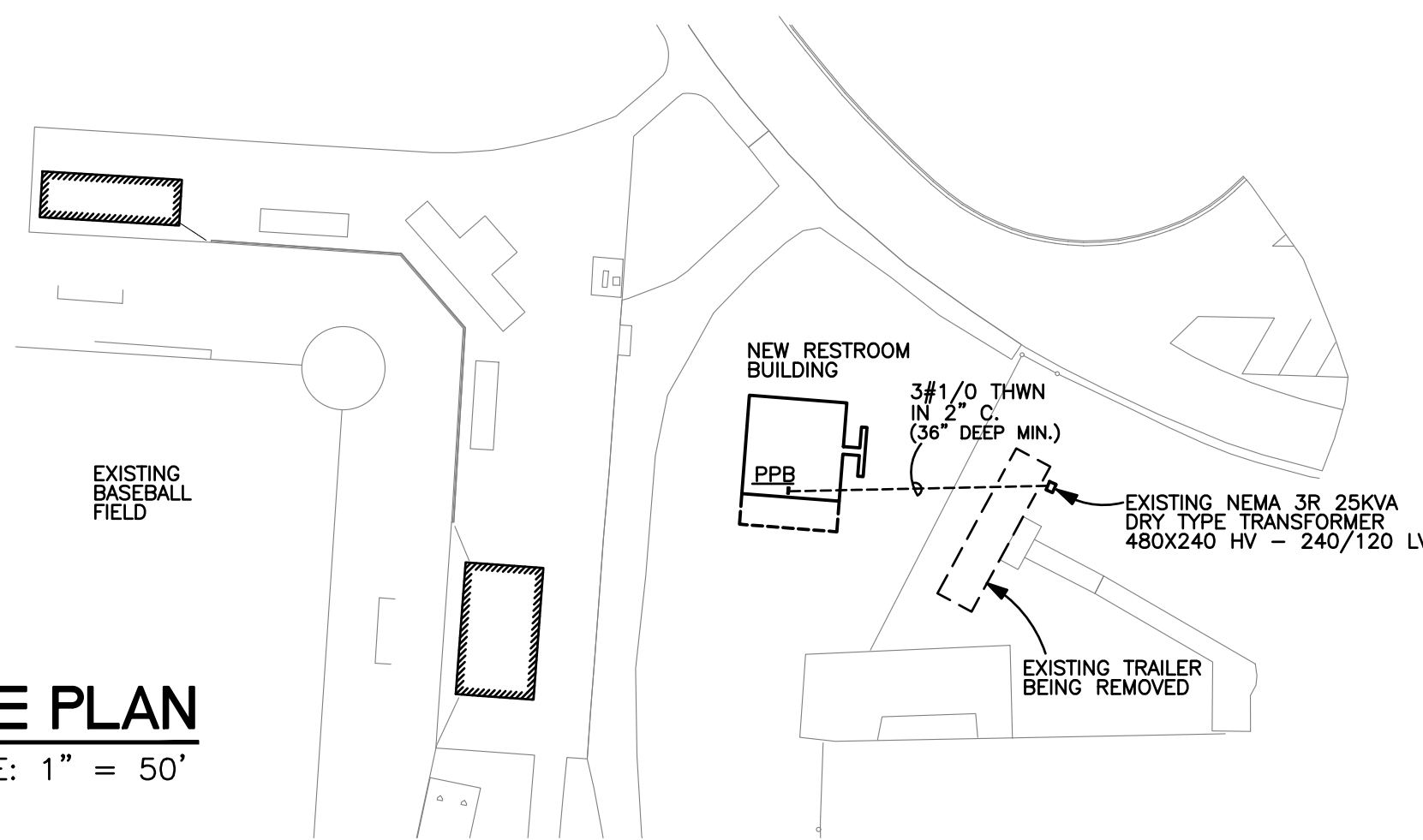
- CEILING OUTLET - FIXTURE "A", CIRCUIT 1, SWITCH a.
- CEILING OUTLET - FLUORESCENT FIXTURE.
- CEILING OUTLET - FLUORESCENT INDUSTRIAL OR STRIP TYPE.
- WALL OUTLET - INCANDESCENT BRACKET TYPE.
- WALL OUTLET - FLUORESCENT BRACKET TYPE.
- WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT5362A-GRY WITH PT6STR PLUG TAIL CONNECTOR.
- WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT5362A-GRY WITH PT6STR PLUG TAIL CONNECTOR - MOUNT AT 6" ABOVE COUNTER.
- WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, PASS & SEYMOUR PT2095-GRY WITH PT6STR PLUG TAIL CONNECTOR.
- WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, WEATHERPROOF, PASS & SEYMOUR PT2095-GRY WITH PT6STR PLUG TAIL CONNECTOR. INSTALL #WUC10-CAGV WEATHERPROOF COVER. DEVICE SHALL BE LABELED AS "EXTRA DUTY".
- FLOOR OUTLET - CONDUIT STUB UP.
- CEILING OUTLET - JUNCTION BOX.
- WALL OUTLET - JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.
- SWITCH OUTLET - AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #1221 - GREY.("N" DENOTES NARROW)
- SWITCH OUTLET - AC TYPE, TWO POLE, 20A, 120/277V, HUBBELL #1222 - GREY.
- SWITCH OUTLET - AC TYPE, THREE WAY, 20A, 120/277V, HUBBELL #1223 - GREY.
- SWITCH OUTLET - AC TYPE, FOUR WAY, 20A, 120/277V, HUBBELL #1224 - GREY.
- SWITCH MANUAL MOTOR STARTER, SINGLE POLE WITH OVERLOAD PROTECTION.
- SWITCH OUTLET - AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #1221LC.
- LIGHTING PANEL - SEE SPECIFICATIONS AND SCHEDULE.
- POWER PANELS - SEE SPECIFICATIONS AND SCHEDULE.
- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING.
- BRANCH CIRCUIT CONCEALED IN FLOOR OR GROUND.
- HOMERUN TO PANELBOARD - ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2 # 12 & 1 # 12(G) - 1/2" CONDUIT.
- 3 # 12 & 1 # 12(G) - 3/4" CONDUIT.
- 4 # 12 & 1 # 12(G) - 3/4" CONDUIT.
- EMPTY CONDUIT - 3/4".
- BRANCH CIRCUIT EXPOSED.
- CONDUIT RUN DOWN WALLS, CONCEALED
- CONDUIT RUN UP WALLS, CONCEALED
- MOTOR SHOWN 5hp (TYPICAL) OR 40 AMPS (TYPICAL).
- EXHAUST FAN MOTOR - FRACTIONAL HORSEPOWER.
- MAGNETIC MOTOR STARTER.
- NON-FUSED DISCONNECT SWITCH. (RT - RAINIGHT).
- FUSED DISCONNECT SWITCH.
- ABOVE FINISHED FLOOR.
- VERIFY LOCATION.
- NATIONAL ELECTRICAL CODE.
- GROUND FAULT CIRCUIT INTERRUPTER
- WEATHER PROOF
- WALL SWITCH WITH BUILT IN MOTION SENSOR - COOPER #OSW-P-0451-W WITH WALL PLATE

GENERAL NOTES

- SERVICE TO PROJECT IS 120/240 VOLTS, 1 PHASE, 3 WIRE.
- VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN SWITCHES.
- VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGHING IN.
- CONTRACTOR TO VERIFY LOCATION OF ALL OUTLETS PRIOR TO INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF COUNTERTOPS AND BACKSPASHES ON ARCHITECTURAL DETAILS AND/OR CASEWORK SHOP DRAWINGS AND ADJUST SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS AS REQUIRED TO AVOID CONFLICTS.
- CONTRACTOR WILL CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN.
- FURNISH AND INSTALL PLASTER FRAMES FOR ALL RECESSED FIXTURES AS REQUIRED.
- SUPPORT OF ALL LIGHTING FIXTURES TO BE THE RESPONSIBILITY OF THIS CONTRACTOR. FIXTURES TO BE SUPPORTED INDEPENDENT OF CEILING FROM STRUCTURAL MEMBERS OF THE BUILDING.
- ELECTRICAL CONTRACTOR MUST CHECK THE CORRESPONDING MECHANICAL SHEETS AND BE RESPONSIBLE FOR INCLUDING PROPER SERVICE AND CONNECTIONS TO ALL MECHANICAL ITEMS SHOWN THEREON REGARDLESS OF ITS BEING OR NOT BEING SHOWN ON ELECTRICAL SHEETS.
- ALL CONDUIT CONCEALED UNLESS SPECIFICALLY SHOWN EXPOSED.
- COORDINATE SERVICES WITH POWER AND COMMUNICATIONS COMPANIES. REMOVE OR RELOCATE ALL POWER AND COMMUNICATIONS CIRCUITS ABOVE OR BELOW GRADE THAT WOULD OBSTRUCT THE CONSTRUCTION OF THE PROJECT OR CONFLICT IN ANY MANNER WITH COMPLETION OF THE PROJECT OR ANY CODE PERTAINING THERETO. IF UTILITY COMPANY REQUIREMENTS ARE AT VARIANCE WITH THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACT PRICE SHALL INCLUDE THE ADDITIONAL COST.
- IT IS INTENDED THAT SPECIFICATIONS AND PLANS SHALL INCLUDE EVERYTHING REQUIRED AND NECESSARY FOR PROPER AND COMPLETE INSTALLATION OF THE COMPLETE SYSTEMS SHOWN EVEN THOUGH EVERY ITEM MAY NOT BE PARTICULARLY MENTIONED IN DETAIL. THE CONTRACTOR SHALL DELIVER TO OTHER TRADES ANY EQUIPMENT THAT MUST BE INSTALLED DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENTS AND COORDINATION OF THE PHYSICAL SIZE OF ALL EQUIPMENT WITH THE ARCHITECTURAL REQUIREMENTS OF THE SPACES INTO WHICH THE EQUIPMENT WILL BE INSTALLED.
- THIS CONTRACTOR SHALL INSTALL EQUIPMENT GROUNDS THROUGHOUT THIS PROJECT, USING GREEN INSULATED GROUND WIRE. USE OF CONDUIT AS THE ONLY GROUND CONDUCTOR WILL NOT BE ALLOWED. (SIZE GROUND WIRES PER N.E.C.)

SITE PLAN

SCALE: 1" = 50'



**STEWART ENGINEERING
ELECTRICAL CONSULTANTS**

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Email: services@stewartengineering.org

Engineer:
J. Lance Junkin, P.E.
Alabama Reg. 14817

Project Number:
2561

**LATHAN
ARCHITECTS**

NEW BASEBALL FIELD RESTROOMS FOR
ST. CLAIR COUNTY HIGH SCHOOL
16700 US HWY 41, ODENVILLE, ALABAMA 35020
ST. CLAIR COUNTY BOARD OF EDUCATION

SHEET TITLE:
SCHEDULES, SYMBOLS,
AND NOTES

PROJ. MGR.: LANCE JUNKIN
DRAWN: SEC

DATE: APRIL 15, 2025
REVISIONS:

JOB NO. **25-07**

SHEET NO:
E1.1
1 OF 1