



BID DOCUMENTS

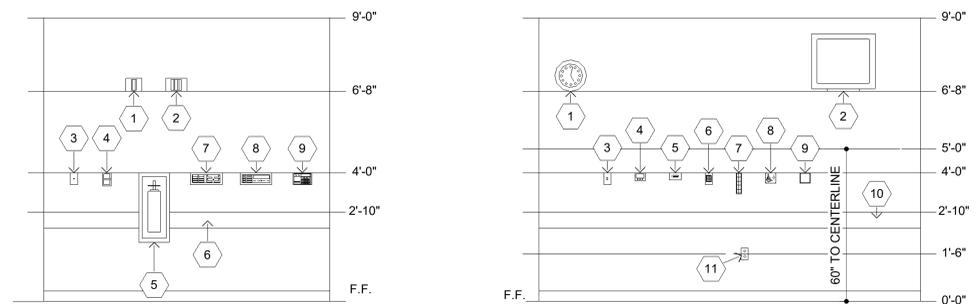
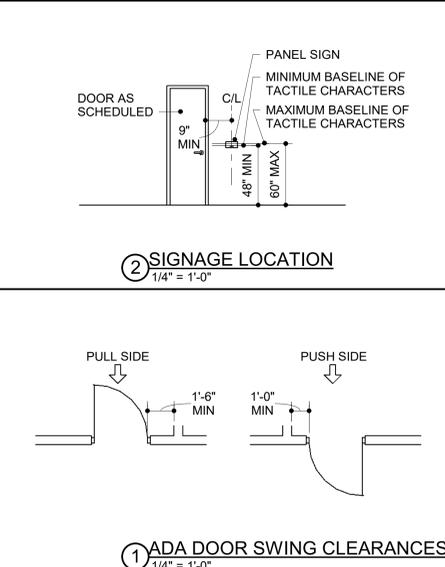
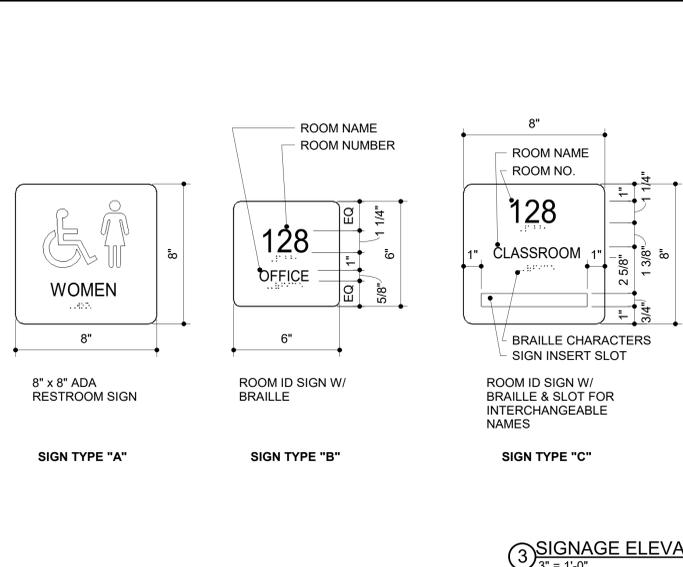
DATE: 01/08/26
PROJ NO: 25-032

REVISIONS

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GENERAL INFORMATION

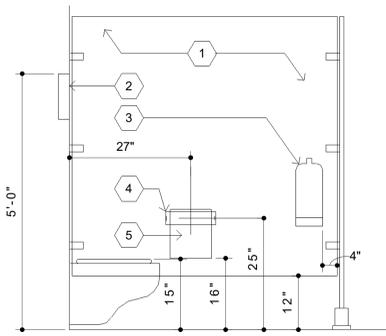
G102



1. FIRE ALARM VISUAL STROBE
2. FIRE ALARM AUDIO/VISUAL DEVICE
3. FIREMAN'S TELEPHONE JACK
4. FIRE ALARM PULL STATION
5. FIRE EXTINGUISHER CABINET
6. WALL-MOUNTED BUMPER/CRASH RAIL
7. FIRE ALARM PANEL*
8. ANNUNCIATOR PANEL*
9. SECURITY SYSTEM CONTROL*

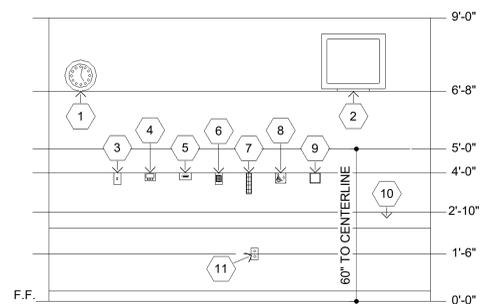
*IF OVER 3'-0" HIGH CASEWORK AND COUNTERS, ADJUST HEIGHT TO 4'-4" AFF, TO THE TOP OF TRIM.

FIRE PROTECTION MOUNTING HEIGHTS



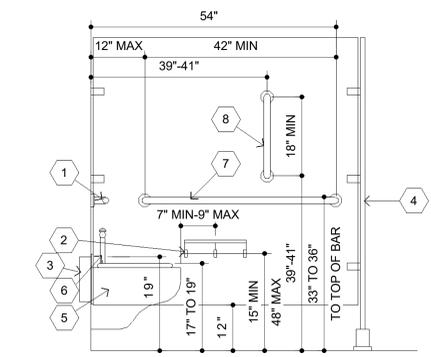
1. TOILET PARTITION OR RESTROOM WALL. SEE FLOOR PLANS FOR TYPE OR STYLE. I.E. CEILING HUNG OR FLOOR MOUNTED TOILET PARTITION OR DRYWALL PARTITION
2. SEAT COVER DISPENSER LOCATION. WILL BE SHOWN ON FLOOR PLAN IF REQUIRED
3. UTILITY SHELF. LOCATE SAME SIDE AS SANITARY RECEPTACLE WILL BE SHOWN ON FLOOR PLAN IF REQUIRED
4. TOILET PAPER DISPENSER REQUIRED AT EACH WATER CLOSET. LOCATE ON SIDE OPPOSITE SANITARY RECEPTACLE WHEN REQUIRED, OTHERWISE ON DOOR HINGE SIDE OF COMPARTMENT
5. SANITARY RECEPTACLE REQUIRED AT EACH WATER CLOSET IN WOMEN'S TOILETS. IN PAIRS OF TOILET COMPARTMENTS, LOCATE ON BOTH SIDES OF THE COMMON DIVIDER PANEL. IN ODD OR SINGLE COMPARTMENTS, LOCATE ON DOOR STRIKE SIDE OF COMPARTMENT. WILL BE SHOWN ON FLOOR PLAN IF REQUIRED

STANDARD STALL MOUNTING HEIGHTS



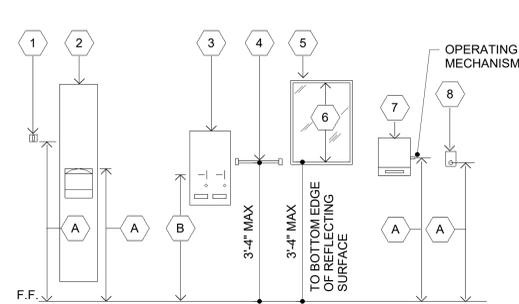
1. CLOCK
2. TELEVISION MOUNTING BRACKET
3. LIGHT SWITCH
4. THERMOSTAT
5. CARD READ (SLIDE OR INSERTION)
6. KEY PAD FOR DOOR ACCESS
7. NUMERIC KEY PAD
8. PUSH BUTTON FOR AUTOMATIC DOOR
9. PUSH PLATE FOR AUTOMATIC DOOR
10. WALL MOUNTED BUMPER/CRASH RAIL
11. ELECTRICAL RECEPTACLE

STANDARD EQUIP. MOUNTING DETAIL



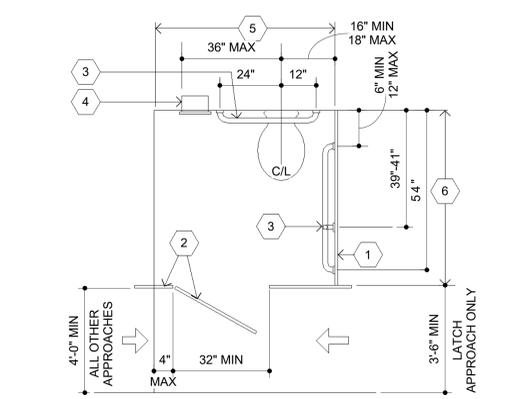
1. GRAB BAR ON BACK WALL
2. TOILET PAPER DISPENSER ON SIDE NEAREST TOILET
3. RECESSED SANITARY RECEPTACLE. LOCATE ADJACENT TO TOILET OF ALL WOMEN'S & UNDESIG. PUBLIC TOILETS, WILL BE SHOWN ON FLOOR PLAN IF REQUIRED
4. FOR TOILET STALL PARTITION TYPE OR STYLE, I.E. CEILING HUNG OR FLOOR MOUNTED, SEE PLANS
5. FOR FIXTURE TYPE SEE PLUMBING DOCUMENTS
6. FLUSH VALVE TO BE MOUNTED ON WIDE SIDE OF ACCESSIBLE TOILET STALL. SEE PLUMBING DOCUMENTS.
7. GRAB BAR. LOCATE ON SIDE NEAREST TOILET. SEE PLANS
8. VERTICAL GRAB BAR. LOCATE ON SIDE NEAREST TOILET. SEE PLANS

ACCESSIBLE STALL MOUNTING HEIGHTS



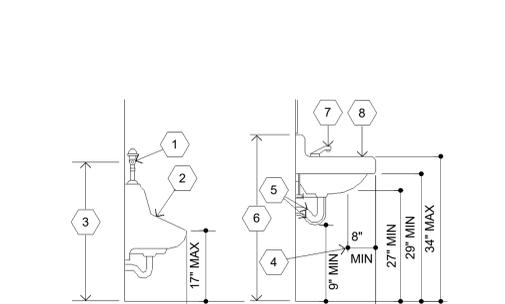
1. ROBE HOOK, SEE PLANS FOR TYPE
 2. TOWEL DISPENSER/WASTE RECEPTACLE
 3. SANITARY DISPENSER
 4. TOWEL BAR, SEE PLANS FOR LENGTH & TYPE
 5. FRAMED OR UNFRAMED MIRROR. AT UNFRAMED MIRROR, EASE ALL EDGES. FOR MIRROR SIZE SEE SPECS. BOTTOM OF REFLECTING SURFACE MOUNTED AT 40" A.F.F. MAXIMUM
 7. TOWEL DISPENSER
 8. SOAP DISPENSER
- A. DIMENSION = 48" MAX.
B. DIMENSION = 3'-4" TO COIN SLOT OR HIGHEST OPERATOR

TYP. TOILET ACC. MOUNTING HEIGHTS



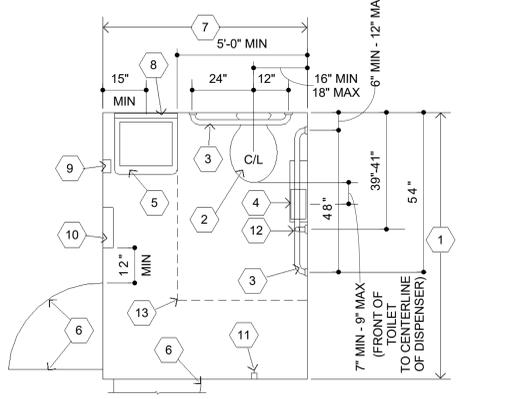
1. TOILET COMPARTMENT SIDE PANEL OR SIDE PARTITION, SEE PLANS FOR DESCRIPTION
2. FRONT ACCESS COMPARTMENT DOOR AND STILE PANEL
3. WALL MOUNTED GRAB BARS. GRAB BAR, FASTENERS, MOUNTING DEVICES TO SUPPORT AT LEAST 250LBS.
4. RECESSED NAPKIN RECEPTACLE REQUIRED IN WOMEN'S TOILET AND UNDESIGNATED TOILETS. WILL BE SHOWN ON FLOOR PLANS IF REQUIRED
5. WIDTH OF STALL. FOR DIMENSIONS SEE PLANS. 5'-0" MINIMUM CLEAR
6. DEPTH OF STALL. FOR DIMENSIONS SEE PLANS. 4'-8" MINIMUM CLEAR AT WALL MOUNTED WATER CLOSET, 4'-11" AT FLOOR MOUNTED WATER CLOSET

TYPICAL ACCESSIBLE TOILET STALL



1. FLUSH VALVE. SEE PLUMBING DOCUMENTS FOR VALVE TYPE
2. URINAL. SEE PLUMBING DOCUMENTS FOR FIXTURE TYPE
3. VALVE CONTROL LOCATED AT 3'-8" MAX A.F.F.
4. KNEE SPACE CLEARANCE
5. INSULATE HOT WATER AND DRAIN PIPES WITH CLOSELY PERFORMED INSULATION
6. BOTTOM OF VIEWING SURFACE OF MIRROR AT 40" MAX ABOVE A.F.F.
7. FAUCET CONTROL, SEE PLUMBING DOCUMENTS
8. BASIN DEPTH NOT TO EXCEED 6 1/2" DEEP. SEE PLUMBING DOCUMENTS FOR FIXTURE TYPE.

TOILET FIXTURE MOUNTING HEIGHTS



1. DEPTH OF TOILET ROOM 7'-8" MIN. SEE PLANS FOR ACTUAL DIMENSIONS
2. TOILET FIXTURE, TOP OF SEAT 17" TO 19" A.F.F. SEE PLUMBING FOR TYPE
3. WALL MOUNTED GRAB BARS. MOUNTED BETWEEN 33" AND 36" A.F.F. TO TOP OF RAIL
4. TOILET PAPER DISPENSER. MOUNTED AT 15" MIN. TO 48" MAX. A.F.F. TO CENTERLINE
5. WALL MOUNTED LAVATORY. TOP OF BASIN MOUNTED AT 34" A.F.F. SEE PLUMBING FOR TYPE
6. 3'-0" DOOR LOCATION. SEE PLANS FOR PROJECT CONDITION.
7. WIDTH OF TOILET ROOM 7'-2" MIN. SEE PLANS FOR ACTUAL DIMENSIONS.
8. FRAMED MIRROR, 18" x 36". BOTTOM OF VIEWING SURFACE MOUNTED AT 40" A.F.F.
9. SOAP DISPENSER. SURFACE MOUNTED AT 48" MAX. A.F.F. TO CONTROLS
10. PAPER TOWEL DISPENSER. SURFACE MOUNTED AT 48" MAX. A.F.F. TO CONTROLS
11. COAT HOOK. MOUNTED AT 48" MAX. A.F.F.
12. 18" VERTICAL GRAB BAR. MOUNTED 39"-41" A.F.F. TO BOTTOM OF BAR
13. 60" x 56" CLEAR FLOOR SPACE

SINGLE USER ACCESSIBLE TOILET

STANDARD MOUNTING HEIGHTS AND CLEARANCES
1/8" = 1'-0"

NOTE REFERENCE SEE "REFERENCE NOTES" ON EACH SHEET

DRAWING REVISION

ROOM NAME ROOM NAME AND NUMBER
 1101 SEQUENCE
 DIVISION
 FLOOR LEVEL

1101A OPENING NUMBER SEE SCHEDULE
 SUFFIX
 SEQUENCE
 DIVISION
 FLOOR LEVEL

A WINDOW REFERENCE SEE SCHEDULE

A TOILET ACCESSORY REFERENCE SEE SCHEDULE

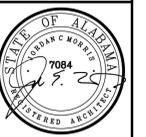
1A WALL TYPE REFERENCE SEE SCHEDULE

XXXX ELEVATION REFERENCE

X/XXXX BLDG/WALL SECTION NUMBER BUILDING/WALL SECTION OR DETAIL REFERENCE SHEET WHERE DRAWN

X/XXXX DETAIL NUMBER DETAIL REFERENCE SHEET WHERE DRAWN

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



BID DOCUMENTS

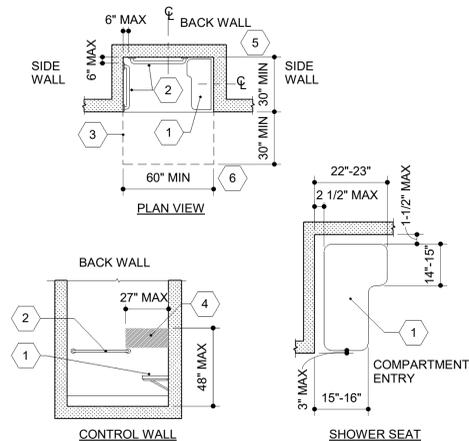
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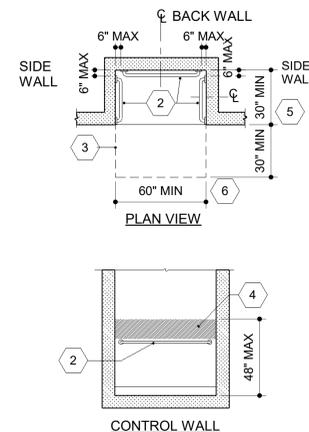
GENERAL INFORMATION

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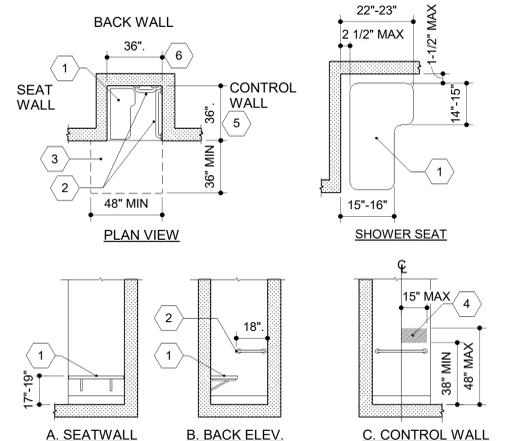
- FOLDING SHOWER SEAT - INSTALLED ON THE SIDE WALL ADJACENT TO THE CONTROLS, AND SHALL EXTEND FROM THE BACK WALL TO A POINT WITHIN 3 INCHES OF THE COMPARTMENT ENTRY.
- GRAB BARS ON BACK WALL AND SIDE WALL OPPOSITE THE SEAT - INSTALLED IN A HORIZONTAL POSITION, 33" MIN AND 36" MAX ABOVE FINISH FLOOR MEASURED TO TOP OF THE GRIPPING SURFACE
- REQ'D CLEAR AREA FOR HANDICAPPED ACCESS.
- CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE BACK WALL ADJACENT TO THE SEAT WALL. A SHOWER SPRAY UNIT WITH A HOSE 59" LONG MINIMUM THAT CAN BE USED BOTH AS A FIXED-POSITION SHOWER HEAD AND AS A HAND-HELD SHOWER
- DEPTH OF SHOWER STALL, 2'-6" MIN. SEE FLOOR PLANS FOR SPECIFIC LAYOUT.
- WIDTH OF SHOWER STALL, 5'-0" MIN. SEE FLOOR PLANS FOR SPECIFIC LAYOUT.

ACCESSIBLE ROLL-IN TYPE SHOWER WITH SEAT



- NOT USED.
- GRAB BARS ON ALL THREE WALLS - INSTALLED IN A HORIZONTAL POSITION, 33" MIN AND 36" MAX ABOVE FINISH FLOOR MEASURED TO TOP OF THE GRIPPING SURFACE
- REQ'D CLEAR AREA FOR HANDICAPPED ACCESS.
- CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE LOCATED ABOVE THE GRAB BAR. A SHOWER SPRAY UNIT WITH A HOSE 59" LONG MINIMUM THAT CAN BE USED BOTH AS A FIXED-POSITION SHOWER HEAD AND AS A HAND-HELD SHOWER
- DEPTH OF SHOWER STALL, 2'-6" MIN. SEE FLOOR PLANS FOR SPECIFIC LAYOUT.
- WIDTH OF SHOWER STALL, 5'-0" MIN. SEE FLOOR PLANS FOR SPECIFIC LAYOUT.

ACCESSIBLE ROLL-IN TYPE SHOWER WITHOUT SEAT



- FOLDING SHOWER SEAT, FULL DEPTH OF STALL
- GRAB BARS INSTALLED IN A HORIZONTAL POSITION, 33" MIN AND 36" MAX ABOVE FINISH FLOOR MEASURED TO TOP OF THE GRIPPING SURFACE
- REQ'D CLEAR AREA FOR HANDICAPPED ACCESS.
- CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE SIDE WALL OPPOSITE THE SEAT. A SHOWER SPRAY UNIT WITH A HOSE 59" LONG MINIMUM THAT CAN BE USED BOTH AS A FIXED-POSITION SHOWER HEAD AND AS A HAND-HELD SHOWER
- DEPTH OF SHOWER STALL, 3'-0" MIN. SEE FLOOR PLANS FOR SPECIFIC LAYOUT.
- WIDTH OF SHOWER STALL, 3'-0" MIN. SEE FLOOR PLANS FOR SPECIFIC LAYOUT.

ACCESSIBLE TRANSFER TYPE SHOWER

CODE COMPLIANCE TABLE

PROJECT: Thorsby High School Gymnasium

APPLICABLE CODES AND STANDARDS

CODES ADOPTED BY THE ALABAMA DEPARTMENT OF CONSTRUCTION MANAGEMENT

INTERNATIONAL BUILDING CODE	2021 EDITION	
INTERNATIONAL PLUMBING CODE	2021 EDITION	
INTERNATIONAL FUEL GAS CODE	2021 EDITION	
INTERNATIONAL MECHANICAL CODE	2021 EDITION	
NATIONAL ELECTRICAL CODE	2020 EDITION	
INTERNATIONAL FIRE CODE	2021 EDITION	
ANSI / ASHRAE / IESNA 90.1	2013 Energy Standard	
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN	Supersedes accessibility requirements in IBC	
ICC/ISSA 500 DESIGN & CONSTRUCTION OF STORM SHELTERS	2014 ICC 500	No Shelter Required

DESIGN COMPONENTS	CODE APPLICATION		CODE REFERENCES AND NOTES
	DESCRIPTION	VALUE	
USE AND OCCUPANCY CLASSIFICATION			
PRIMARY OCCUPANCY	ASSEMBLY GROUP A (A-4)		IBC 303.5
ACCESSORY OCCUPANCIES	ASSEMBLY, BUSINESS, STORAGE		IBC 303.3 & 303.4
SPECIAL REQUIREMENTS			
TYPE OF CONSTRUCTION	APPLIES TO ALL BUILDINGS		IBC 602
	II-B, SPRINKLERED		IBC 602.2
HEIGHT RESTRICTIONS	APPLIES TO ALL BUILDINGS		IBC 504
TABULAR HEIGHT ALLOWED	VALUE W/ SPRINKLER	75 FT	IBC TABLE 504.3
TOTAL STORIES ALLOWED	TABULAR VALUE	3	IBC TABLE 504.4
ACTUAL NO. OF STORIES		1	HEIGHT IS IN COMPLIANCE
ACTUAL HEIGHT		35' - 5"	HEIGHT IS IN COMPLIANCE
AREA RESTRICTIONS	APPLIES TO ALL BUILDINGS		IBC 506
FIRST FLOOR			
FIRST FLOOR	ACTUAL AREA PER FLOOR	20,035	
TABULAR AREA ALLOWED	VALUE W/ SPRINKLER (S1)	38,000	IBC TABLE 506.2
FRONTAGE INCREASE FORMULA	$\frac{1}{2}(2001/2001-0.25)^{2/3} \times 30/30$ NON-SPRINKLERED TABULAR AREA		IBC 506.2.1 & IBC 506.3.3
FRONTAGE TABULAR AREA	NONE TAKEN, TABULAR VALUE	0	IBC TABLE 506.2
TOTAL AREA ALLOWED PER FLOOR	WITH FRONTAGE INCREASE		IBC 506.2.1
TOTAL BUILDING AREA	TOTAL ACTUAL AREA	20,035	IN COMPLIANCE
FIRE RESISTANCE RATINGS FOR CONSTRUCTION TYPE			
STRUCTURAL FRAME		0 HOUR	IBC TABLE 601
BEARING WALLS			
EXTERIOR	SEPARATION DISTANCE > 30'	0 HOUR	IBC TABLE 601 & 705.5
INTERIOR		0 HOUR	IBC TABLE 601
NON-BEARING WALLS AND PARTITIONS			
EXTERIOR	SEPARATION DISTANCE > 30'	0 HOUR	IBC TABLE 705.5
INTERIOR		0 HOUR	IBC TABLE 601
FLOOR / CEILING		0 HOUR	IBC TABLE 601
FLOOR / CEILING		0 HOUR	ICC 500, 601
ROOF / CEILING		0 HOUR	IBC TABLE 601
FIRE RESISTANT PROTECTIVE CONSTRUCTION REQUIREMENTS			
MAX AREA OF EXTERIOR WALL OPNGS	FIRE SEPARATION DISTANCE IN SPRINKLERED BUILDING $\geq 20'$	NO LIMIT	IBC TABLE 705.8, SEE PLAN FOR COMPLIANCE
FIRE WALLS	TYPE II CONSTRUCTION	N/A	IBC TABLE 706.4, NOTE A
FIRE BARRIERS			IBC 707.1
SHAFT ENCLOSURES	N/A		IBC 713.1, 1023.2
STORM SHELTER FROM ADJ. BLDG.	N/A		ICC 500 601.1
FIRE AREA SEPARATION	NOT APPLICABLE		
FIRE-RESISTANT JOINT SYSTEMS	N/A		IBC 714.1 & 714.4
FIRE PARTITIONS - CORRIDOR WALLS	W/ SPRINKLER SYSTEM	0 HR	IBC TABLE 1020.1
SMOKE BARRIERS	NOT APPLICABLE		IBC 709
SMOKE PARTITIONS	NOT APPLICABLE		IBC 710
HORIZONTAL ASSEMBLIES	NOT APPLICABLE		IBC 711
OPENING PROTECTIVES			
OPENING FIRE RATING		N/A	IBC FIGURE 716.3(2)
SAFETY GLAZING REQUIREMENTS	HAZARDOUS LOCATIONS	N/A	IBC 2406.4
INTERIOR FINISHES			
EXIT ENCLOSURES AND PASSAGEWAYS	SPRINKLERED	CLASS B	IBC TABLE 803.13
CORRIDORS	SPRINKLERED	CLASS C	IBC TABLE 803.13
ROOMS AND ENCLOSED SPACES	SPRINKLERED	CLASS C	IBC TABLE 803.13
FIRE PROTECTION SYSTEMS			
AUTOMATIC FIRE SPRINKLER SYSTEM	REQUIRED FOR GROUP E OVER 12000 SF AND FOR GROUP A OVER 100 OCCUPANTS	PROVIDED	IBC 903.2.1.2, IBC 903.2.3
PORTABLE FIRE EXTINGUISHERS	MINIMUM TYPE 2A DISTRIBUTED THROUGHOUT BUILDING	PROVIDED	IFC 906.1, TABLE 906.3(1), ICC 500 602, NFPA 10
FIRE ALARM AND DETECTION SYSTEMS	REQUIRED	PROVIDED	IBC 907.2.3
MEANS OF EGRESS			
CEILING HEIGHT	MINIMUM ALLOWED	7' - 6"	IBC 1003.2
OCCUPANT LOAD	SEE PLANS FOR OL		IBC TABLE 1004.5
ASSEMBLY - GYMNASIUM (EGRESS)	NET SF / PERSON	7 SF	IBC TABLE 1004.5 (CONCENTRATED)
ASSEMBLY - GYMNASIUM (PLUMBING)	NET SF / PERSON	15 SF	IBC TABLE 1004.5 (UNCONCENTRATED)
KITCHEN	GROSS SF / PERSON	200 SF	IBC TABLE 1004.5
ACCESSORY STORAGE & MECH.	GROSS SF / PERSON	300 SF	IBC TABLE 1004.5
BUSINESS - OFFICES	GROSS SF / PERSON	100 SF	IBC TABLE 1004.5
DEAD END CORRIDORS	MAXIMUM ALLOWED, GROUP A	20 FT	IBC 1020.5 EXCEPTION 2
ACTUAL OCCUPANT LOAD FOR EGRESS			
FIRST FLOOR		1,703	PERSONS
ACTUAL OCCUPANT LOAD FOR EGRESS		1,703	
ACTUAL OCCUPANT LOAD FOR PLUMBING			
FIRST FLOOR		802	PERSONS
ACTUAL OCCUPANT LOAD FOR PLUMBING		802	
COMMON PATH OF TRAVEL	MAXIMUM ALLOWED	75 FT	IBC TABLE 1006.2.1
EXIT ACCESS TRAVEL DISTANCE	GROUP A SPRINKLERED	250 FT	IBC TABLE 1017.2
NUMBER OF EXITS - FIRST FLOOR	MINIMUM REQUIRED: 4	4+ PROV.	IBC TABLE 1006.3.3
REQUIRED EXIT WIDTH - FIRST FLOOR	1703 OCC. * 0.2" PER OCC.	341	IBC 1005.3.2, EXCEPTION 1
ACTUAL EXIT WIDTH - FIRST FLOOR	6 DOUBLE DOOR EXITS (6'72")	432	IBC TABLE 1006.3.1

PLUMBING FIXTURE COUNT	PER IBC TABLE 2902.1	REQUIRED	PROVIDED
ASSEMBLY (GYMNASIUM)	OCCUPANT LOAD = 675*	338 PER GENDER	OVERAGE INDICATED BY +
WATER CLOSETS FEMALE	1:75 for first 1,500 seats	5	(+7)
WATER CLOSETS MALE	1:200 for first 1,500 seats	2	(+9)
WATER CLOSETS FEMALE	1:125 for next 1,500 seats	N/A	
WATER CLOSETS MALE	1:250 for next 1,500 seats	N/A	
WATER CLOSETS FEMALE	1:175 for first 1,500 seats	N/A	
WATER CLOSETS MALE	1:500 for remainder	N/A	
URINALS	NO GREATER THAN 2/3 REQUIRED		5
LAVATORIES FEMALE		2	(+7)
LAVATORIES MALE	1 PER 300	2	(+7)
DRINKING FOUNTAINS	1 PER 1000	1	(+1)
SERVICE SINK	1	1	

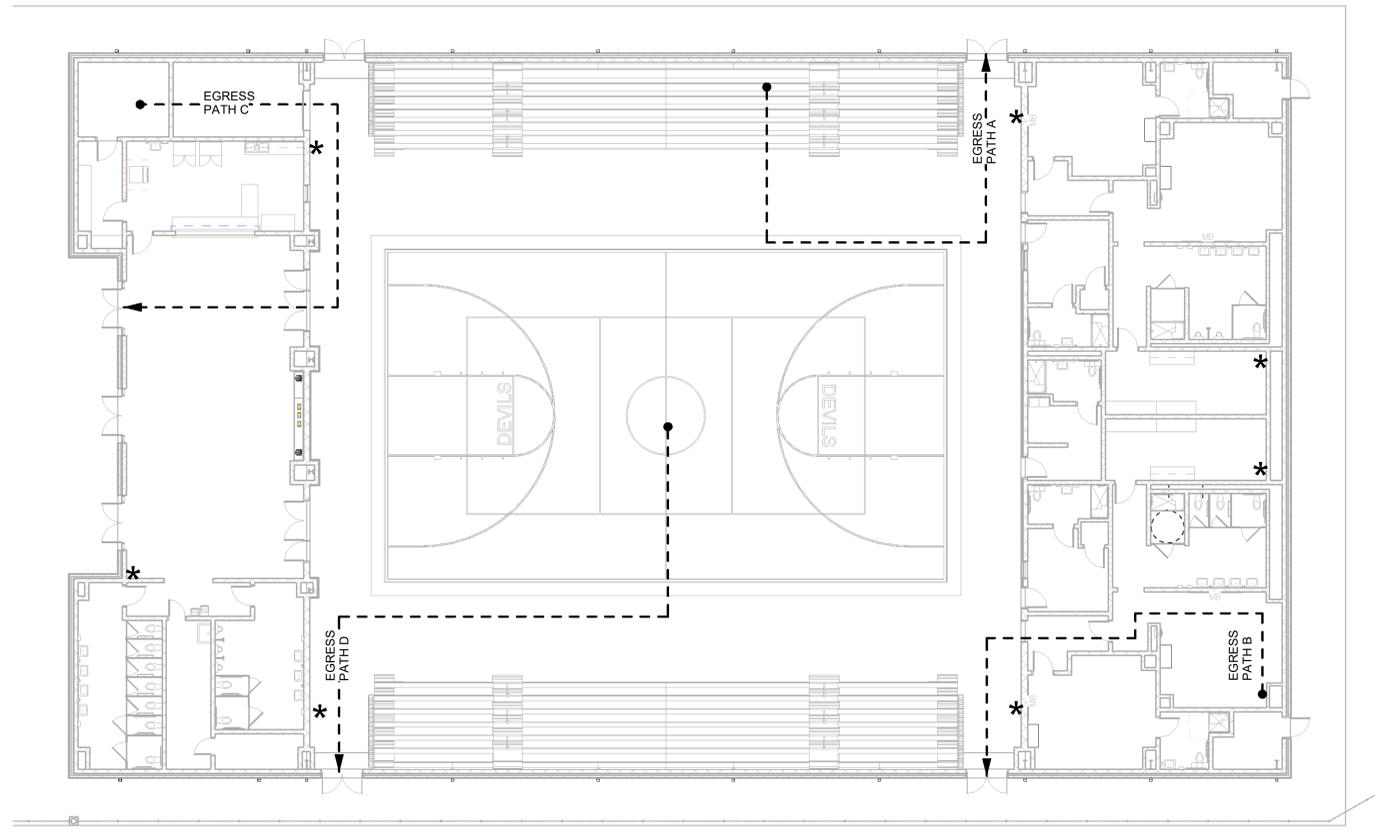
OCCUPANCY TYPE	ROOM NAME	AREA	PER OCCUPANT	OCCUPANCY LOAD
Assembly (A-4)	GYMNASIUM	11538	FIXED SEATING	611
Accessory Assembly	LOCKER ROOMS	2549	50 gross	51
Accessory Business	COACHES OFFICE	320	100 gross	4
Accessory Business	CONCESSIONS	365	100 gross	4
Accessory Mech/Elec	ELECTRICAL/MECHANICAL	381	300 gross	2
Accessory Storage	STORAGE	816	300 gross	3
	TOTAL OCCUPANCY			675

*NOTE: GYMNASIUM OCCUPANCY CALCULATED BY NUMBER OF SEATS IN BLEACHERS AND NUMBER OF PLAYERS, COACHES, AND REFEREES PRESENT DURING ATHLETIC EVENTS.

EGRESS DATA	
EXIT PATH	DISTANCE
EGRESS PATH A	85' - 6"
EGRESS PATH B	78' - 9"
EGRESS PATH C	92' - 11"
EGRESS PATH D	102' - 3"
EGRESS PATH E	21' - 8"
EGRESS PATH F	39' - 0"
EGRESS PATH G	30' - 9"
EGRESS PATH H	41' - 4"

LIFE SAFETY PLAN LEGEND:

- EGRESS PATH
- FIRE EXTINGUISHER / FIRE EXTINGUISHER CABINET
- 1 HR FIRE SEPARATION
- 2 HR FIRE SEPARATION



LIFE SAFETY PLAN - GYMNASIUM
3/32" = 1'-0"



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LIFE SAFETY PLAN - GYMNASIUM

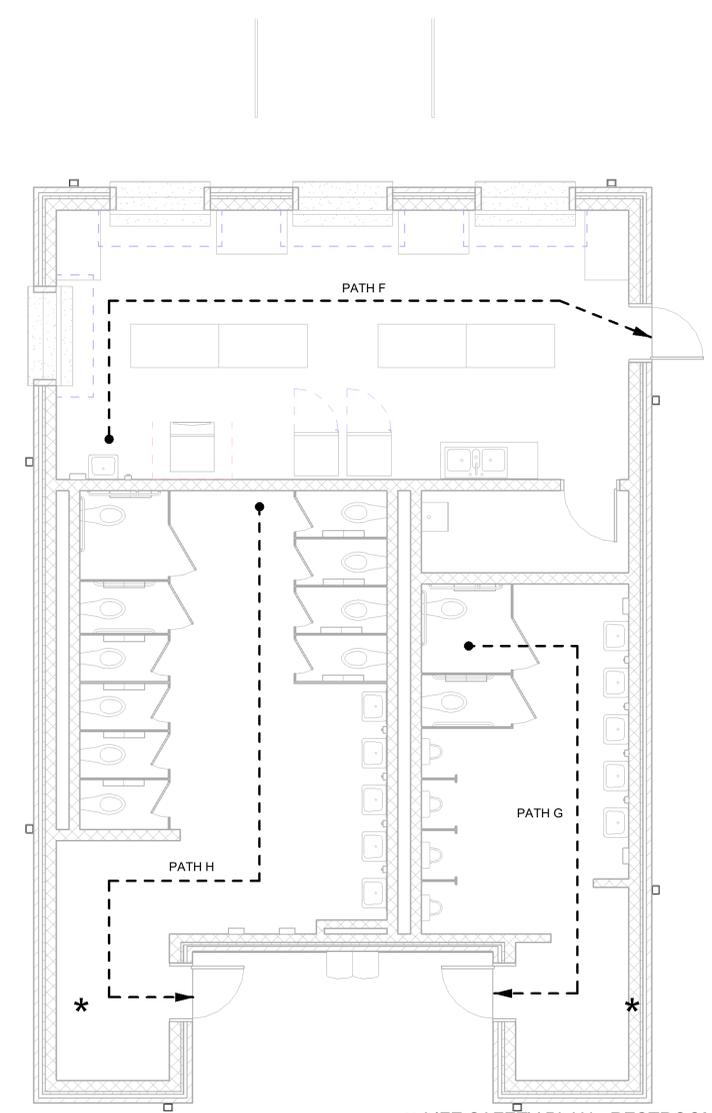
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CODE COMPLIANCE TABLE			
PROJECT: VERBENA HIGH SCHOOL BASEBALL & FOOTBALL FACILITIES			
APPLICABLE CODES AND STANDARDS			
CODES ADOPTED BY THE STATE OF ALABAMA			
IBC - INTERNATIONAL BUILDING CODE - 2021 EDITION			
IFC - INTERNATIONAL FIRE CODE - 2021 EDITION			
IFGC - INTERNATIONAL FUEL GAS CODE - 2021 EDITION			
NEC - NATIONAL ELECTRICAL CODE - 2020 EDITION			
IPC - INTERNATIONAL PLUMBING CODE - 2021 EDITION			
IMC - INTERNATIONAL MECHANICAL CODE - 2021 EDITION			
ANSIASHRAE/IESNA Standard 90.1-2013 Energy Standard for Buildings Except Low-Rise Residential			
2010 ADA Standards for Accessibility Design			
DESIGN COMPONENTS	CODE APPLICATION		
USE AND OCCUPANCY CLASSIFICATION	DESCRIPTION	VALUE	
PRIMARY OCCUPANCY	EXISTING ASSEMBLY A-6		IBC 303.1
ACCESSORY OCCUPANCY	PROP. BUILDINGS ARE ALL ACCY. / GROUP U		IBC 304.1
TYPE OF CONSTRUCTION			
BUILDING A - CONCESSIONS & RESTROOMS	V-B, UNSPRINKLERED	NEW	IBC TABLE 601
BUILDING B - NORTH TICKET BOOTH	V-B, UNSPRINKLERED	NEW	IBC TABLE 601
BUILDING C - SOUTH TICKET BOOTH	V-B, UNSPRINKLERED	NEW	IBC TABLE 601
ALLOWABLE HEIGHT			IBC 504
TABULAR HEIGHT ALLOWED		40 FT MAX.	IBC TABLE 503
BUILDING A - CONCESSIONS & RESTROOMS	GROUPS A-6 ACCY. / GROUP U;	16 FT	HEIGHT IS IN COMPLIANCE
BUILDING B - NORTH TICKET BOOTH	GROUPS A-6 ACCY. / GROUP U;	12 FT	HEIGHT IS IN COMPLIANCE
BUILDING C - SOUTH TICKET BOOTH	GROUPS A-6 ACCY. / GROUP U;	12 FT	HEIGHT IS IN COMPLIANCE
TOTAL STORIES ALLOWED		1 MAX	
ALL BUILDINGS	GROUPS A-6 ACCY. / GROUP U;	1	# STORIES IS IN COMPLIANCE
AREA MODIFICATIONS			
TABULAR AREA ALLOWED			IBC TABLE 506.2
ACCESSORY USE AREAS	GROUPS A-6 ACCY. / GROUP U;	5,600 SF	IBC TABLE 506.2
BUILDING A - CONCESSIONS & RESTROOMS	GROUPS A-6 ACCY. / GROUP U;	1,684 SF	AREA IS IN COMPLIANCE
BUILDING B - NORTH TICKET BOOTH	GROUPS A-6 ACCY. / GROUP U;	240 SF	AREA IS IN COMPLIANCE
BUILDING C - SOUTH TICKET BOOTH	GROUPS A-6 ACCY. / GROUP U;	240 SF	AREA IS IN COMPLIANCE
INCIDENTAL USE AREAS	NONE		IBC 509
FIRE RESISTANCE RATINGS	TYPE V-B		
STRUCTURAL FRAME		0 HOUR	IBC TABLE 601
BEARING WALLS		0 HOUR	IBC TABLE 601
EXTERIOR		0 HOUR	IBC TABLE 601
INTERIOR		0 HOUR	IBC TABLE 601
NON-BEARING WALLS AND PARTITIONS		0 HOUR	IBC TABLE 601
EXTERIOR	FIRE SEPARATION DISTANCE > 30 FT	0 HOUR	IBC TABLE 601 / TABLE 706.6
INTERIOR		0 HOUR	IBC TABLE 601
FLOOR / CEILING		0 HOUR	IBC TABLE 601
ROOF / CEILING		0 HOUR	IBC TABLE 601
FIRE RESISTANT PROTECTIVE CONSTRUCTION REQUIREMENTS			
MAX AREA OF EXTERIOR WALL OPINGS	FIRE SEPARATION DISTANCE > 30 FT	NO LIMIT	IBC TABLE 705.8
PARAPETS AT EXTERIOR WALLS	NO WALL OPNG. PROT. REQUIRED	NOT REQ'D	IBC 705.11
FIRE WALLS	NOT APPLICABLE		IBC TABLE 706.4
FIRE BARRIERS			IBC 707.1
SHAFT ENCLOSURES	NOT APPLICABLE		IBC 708 / IBC 713
EXIT ENCLOSURES	NOT APPLICABLE		
HORIZONTAL EXITS	NOT APPLICABLE		
FIRE PARTITIONS	NOT APPLICABLE		IBC 708
SMOKE BARRIERS	NOT APPLICABLE		IBC 709
SMOKE PARTITIONS	FOR INCIDENTAL USE OCCUPANCY		IBC 710
HORIZONTAL ASSEMBLIES	NOT APPLICABLE		IBC 711
OPENING PROTECTIVES			IBC 716
CONCEALED SPACES			
DRAFT-STOPPING FLOORS & CLGS	NOT APPLICABLE	NONE	IBC 718.3
DRAFT STOPPING ATTICS	NO HORIZ. AREA > 3,000 SF	NONE	IBC 718.4
INTERIOR FINISHES			
HDPE PARTITIONS	MUST COMPLY WITH NFPA 286	PROVIDED	IBC 803.9
ROOMS AND ENCLOSED SPACES	FINISH RATING REQUIRED	CLASS C	IBC TABLE 803.13
FIRE PROTECTION SYSTEMS			
AUTOMATIC FIRE SPRINKLER SYSTEM	NO AREA > 1000 SF; SEPARATION PROV.	NOT REQ'D	IBC 903.2.1.5
PORTABLE FIRE EXTINGUISHERS	TYPE 2-A EXTINGUISHER	<1,500 SF; <30 FT TO COMM. KIT.	IFC 906.1; COND. 1 AND COND. 2
FIRE ALARM AND DETECTION SYSTEMS	SEE ELECTRICAL		IBC 907.2.1
MEANS OF EGRESS			
CEILING HEIGHT	MINIMUM ALLOWED	7' - 6"	IBC 1003.2
OCCUPANT LOAD			IBC 1004
BUILDING A - COMMERCIAL KITCHEN	200 GROSS (680/200)	-10	ACTUAL LOAD EXCEEDS DESIGN
BUILDING B - NORTH TICKET BOOTH	GROSS (168/150)	-3	ACTUAL LOAD EXCEEDS DESIGN
BUILDING C - SOUTH TICKET BOOTH	GROSS (168/150)	-3	ACTUAL LOAD EXCEEDS DESIGN
TOTAL OCCUPANT LOAD			
MEANS OF EGRESS SIZING	LIMIT TO DOORS: <32" REQ'D	PROVIDED	IBC 1006; IBC 1010
NUMBER OF EXITS	NO SPACES REQ > 1 EXIT	PROVIDED	IBC TABLE 1006.2.1
MEANS OF EGRESS ILLUMINATION	1 FC AT WALKING SURFACE	PROVIDED	IBC 1008.2.1
ACCESSIBLE MEANS OF EGRESS	ALL EXITS ACCESSIBLE		IBC 1009
STAIRWAYS	NONE	PROVIDED	IBC 1011
RAMP	NONE	NA	IBC 1012
EXIT SIGNS	NOT REQ. @ SINGLE EXITS		IBC 1013
HANDRAILS	NONE		IBC 1014
GUARDS	NONE		IBC 1015
EXIT ACCESS	ALL EXITS DIRECT TO BLDG. EXTERIOR		IBC 1016; IBC 1022
EXIT ACCESS TRAVEL DISTANCE	< 75' @ ALL SPACES WITH ONE EXIT	PROVIDED	IBC 1017
EXIT ACCESS STAIRWAYS AND RAMPS	NOT REQ'D TO PROTECT PRESS BOX	NOT REQ'D	IBC 1019.3, EXCEPTION 8
CORRIDORS	NONE		IBC 1020
ADDITIONAL REQUIREMENTS	NOT APPLICABLE		IBC 1021, 1023-1031

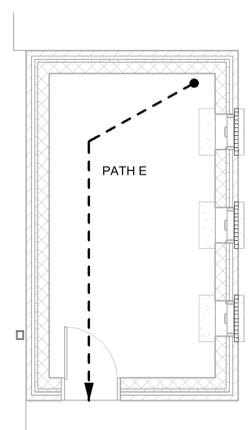
EGRESS DATA	
EXIT PATH	DISTANCE
EGRESS PATH A	85' - 6"
EGRESS PATH B	78' - 9"
EGRESS PATH C	92' - 11"
EGRESS PATH D	102' - 3"
EGRESS PATH E	21' - 8"
EGRESS PATH F	39' - 0"
EGRESS PATH G	30' - 9"
EGRESS PATH H	41' - 4"

LIFE SAFETY PLAN LEGEND:

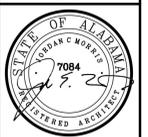
- EGRESS PATH
- FIRE EXTINGUISHER / FIRE EXTINGUISHER CABINET
- 1 HR FIRE SEPARATION
- 2 HR FIRE SEPARATION



② LIFE SAFETY PLAN - RESTROOM BUILDING
1/4" = 1'-0"



① LIFE SAFETY PLAN - NORTH TICKET BOOTH
1/4" = 1'-0"



BID DOCUMENTS

DATE: 01/08/26
PROJ NO: 25-032

#	DESC	DATE

LIFE SAFETY PLAN - FOOTBALL BUILDINGS

G202

CHILTON COUNTY

CHILTON COUNTY BOARD OF EDUCATION
CONTACT: MR. BILLY WYATT
BWYATT@CHILTONBOE.COM
(205) 296-0274 (CELL)

WATER

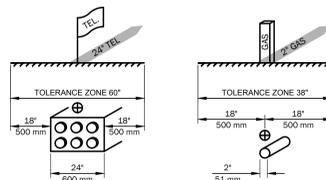
CHILTON WATER AUTHORITY
CONTACT: MR. CHRIS LENOIR
(205) 351-1492 (CELL)

ADPH

CHILTON COUNTY HEALTH DEPARTMENT
CONTACT: MR. JASON ROBERTSON
(205) 3755-1287 (OFFICE)

EXISTING UTILITY NOTES

APWA UNIFORM COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES
WHITE - Proposed excavation
PINK - Temporary survey markings
RED - Electric Power Lines, Cables, Conductors and Lighting Cables
YELLOW - Gas, Oil, Steam, Petroleum or Gaseous Materials
BLUE - Potable Water
PURPLE - Reclaimed Water, Irrigation and Spray Lines
GREEN - Sewers and Drain Lines



TO HAVE UNDERGROUND UTILITY LINES LOCATED DIAL: (800) 292-8525 (INSIDE AND OUTSIDE OF ALABAMA)



ANY EXCAVATION WITHIN THE TOLERANCE ZONE SHOULD BE PERFORMED WITH NON-POWERED HAND TOOLS OR NON-IMPACT FACTOR METHODS UNLESS THE MARKED FACILITY IS EXPOSED. THE WIDTH OF THE TOLERANCE ZONE MAY BE SPECIFIED IN LAW OR CODE. IF NOT, 500 mm (18") IS REQUIRED FROM EACH SIDE OF THE FACILITY. THE TOLERANCE ZONE INCLUDES THE WIDTH OF THE FACILITY PLUS 18" (500 mm) MEASURED HORIZONTALLY FROM EACH SIDE OF THE FACILITY.

GENERAL PROJECT NOTES

- 1. THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AS PROVIDED BY UTILITY OWNERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES "POTHOLING" THEM BEFORE COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE ALABAMA ONE-CALL & CHILTON WATER AUTHORITY, ETC. FOR UTILITY LOCATES. IN THE EVENT OF ANY DAMAGE TO IN-PLACE UTILITIES, THEY SHALL BE REPAIRED AND REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE.
- 2. ANY EXISTING PROPERTY CORNERS (I.E. -IRON PIPES, CAPPED PIPES, CAPPED MONUMENTS, ETC), DISPLACED OR DAMAGED DURING CONSTRUCTION SHALL BE RESET. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL BE A FINAL PUNCH LIST/CLOSOUT ITEM. PROJECT PROPERTY CORNERS SHALL BE STAKED AND FLAGGED BY THE OWNER'S REPRESENTATIVE.
- 3. ALL EXISTING FENCES SHALL BE REMOVED AND/OR RELOCATED DURING CONSTRUCTION AS NECESSARY. THE FENCING SHALL BE REPLACED IN EQUIVALENT OR BETTER CONDITION AFTER THE WORK REQUIRING THE FENCE REMOVAL IS COMPLETED. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN. ANY DAMAGED FENCING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. PORTIONS OF THE EXISTING FENCE SHALL BE RETAINED AND PORTIONS REMOVED. SEE CONSTRUCTION PLANS FOR FURTHER INFORMATION.
- 4. THE CONTRACTOR MUST MAINTAIN ACCESSIBLE DRIVES AND PUBLIC ROADWAYS. ANY ADDITIONAL STONE, GRADING, INSTALLATION, ETC. TO MAKE SIDEWALKS, DRIVES, AND ROADWAYS ACCESSIBLE DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- 5. THE CONTRACTOR SHALL KEEP THE PROJECT RIGHTS-OF-WAY CLEAN FROM TRASH AND DEBRIS. PLACEMENT/DISCARDING OF TRASH AND REFUSE IN UTILITY TRENCHES AND/OR OTHER EXCAVATIONS ASSOCIATED WITH THE PROJECT SHALL BE PROHIBITED. THE CONTRACTOR SHALL PROVIDE TRASH RECEPTACLES FOR WORKER USE. THE ROADWAYS AND SIDEWALKS SHALL BE SWEEP AND WASHED DOWN TO LIMIT THE TRACKING OF DIRT FROM THE PROJECT ONTO PUBLIC RIGHTS-OF-WAY DAILY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- 6. CONFLICTS MAY ARISE BETWEEN EXISTING AND PROPOSED UNDERGROUND FACILITIES. CROSSINGS OF REQUIRED AND EXISTING GRAVITY UTILITIES SHALL BE EXCAVATED AND ELEVATIONS VERIFIED AT THE BEGINNING OF THE PROJECT BEFORE ANY UTILITIES ARE INSTALLED TO MAKE SURE THERE ARE NO CONFLICTS. SOME OF THE EXISTING UTILITY STRUCTURES WERE BURIED AND INACCESSIBLE DURING THE TOPOGRAPHIC SURVEY OF THE PROJECT AREA. WHEN THESE CONFLICTS ARE IDENTIFIED, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE. ADJUSTMENTS AS SPECIFIED BY THE OWNER'S REPRESENTATIVE SHALL BE MADE IN THE PROPOSED AND/OR EXISTING FACILITIES. IF CONFLICTS OCCUR WHILE INSTALLING GRAVITY UTILITIES AND THE CONTRACTOR DID NOT IDENTIFY ELEVATIONS AT CROSSINGS IN ADVANCE, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CORRECTIVE ACTION, INCLUDING BUT NOT LIMITED TO THE COSTS OF EXCAVATING AND INSTALLING THE MAIN AND/OR STRUCTURES. WITH THE NUMEROUS EXISTING UTILITIES ON-SITE, IT IS IMPERATIVE THAT THESE BE VERIFIED BEFORE INSTALLATION OF PROPOSED WORK.
- 7. AT THE END OF THE PROJECT THE CONTRACTOR SHALL POWER WASH ALL CONCRETE SURFACES (I.E., CURB AND GUTTERS, SIDEWALK, DRIVES, STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK, ETC.), SPECIFICALLY EXISTING CONCRETE ADJUTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT RIGHT-OF-WAY TO ELIMINATE STAINING FROM EARTHEN MATERIAL, CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN.
- 8. THERE SHALL BE NO RAISED ASPHALT "LIP" AT RAMP LOCATIONS. THE EXISTING ROADWAY BUILDUP SHALL BE PLANED/MILLED SUFFICIENTLY TO ALLOW THE FINAL ASPHALT OVERLAY OR WEARING SURFACE TO FIT FLUSH AGAINST THE EDGE OF GUTTER ALONG THE ENTIRE PROJECT.
- 9. EXISTING LANDSCAPED AREAS PARALLEL TO THE PROJECT IMPACTED/DAMAGED DURING CONSTRUCTION SHALL BE RETURNED TO THEIR ORIGINAL CONDITION. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.
- 10. ALL ACCESSIBLE RAMPS AND SIDEWALKS SHALL BE ADA COMPLIANT.
- 11. ALL TEMPORARY STONES FOR ROADWAY, SIDEWALK, DRIVES, ETC. SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO TEMPORARY STONES SHALL BE WASTED ON THE SITE SPECIFICALLY IN THE FINAL SUBGRADE LAYER AND TOPSOIL. EXCESSIVE STONE WILL INHIBIT THE GROWTH OF THE LANDSCAPE. ALL STONE SHALL BE REMOVED FROM AREAS TO RECEIVE TOPSOIL, NO EXCEPTIONS.
- 12. THE CONTRACTOR SHALL INSTALL TEMPORARY ASPHALT PATCHING WITHIN 24 HOURS AFTER THE COMPLETED INSTALLATION OF UTILITY CROSSINGS ON ROADWAYS OPEN TO TRAFFIC. IF THE ROADWAY IS CLOSED TO LOCAL TRAFFIC THEN ALL ASPHALT CUT LOCATIONS SHALL BE PATCHED BEFORE THE ROADWAY IS REOPENED. THE CONTRACTOR SHALL NOT BE ALLOWED TO INSTALL ALL UTILITIES AND THEN TEMPORARY ASPHALT PATCH ALL AT ONE TIME. TEMPORARY ASPHALT PATCHING MUST OCCUR PERIODICALLY PHASED AS REFERENCED ABOVE.
- 13. WHEN TEMPORARY ASPHALT PATCHING OCCURS THE MIX SHALL BE HOT MIXED AS SPECIFIED IN THE PLANS. ASPHALT COLD MIXES SHALL NOT BE ACCEPTED. POORLY PATCHED CROSSINGS DISPLAYING NONUNIFORM, UNSMOOTH FINISHES SHALL NOT BE ACCEPTED AND SHALL BE REMOVED AT ONCE. THE REPATCH OF THE AREA SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE.
- 14. THE CONTRACTOR SHALL RETAIN AS MUCH EXISTING PAVEMENTS ASSOCIATED WITH THE PROJECT AS POSSIBLE FOR ALL WEATHER WORKING SURFACE AND FOR EROSION CONTROL DURING CONSTRUCTION. AS THE PROJECT PHASES TO FINAL COMPLETION, THE CONTRACTOR SHALL REMOVE ALL REMAINING PAVEMENTS, ETC. TO COMPLETE THE FINAL IMPROVEMENTS AS SHOWN.
- 15. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH VERBENA HIGHSCHOOL, SCHOOL, CHILTON WATER AUTHORITY, ADPH, PRIVATE UTILITY COMPANIES, AND ANY OTHER OWNER OR GOVERNING AGENCY WITH EXISTING INFRASTRUCTURE OR JURISDICTION IN THIS AREA.
- 16. THE CONTRACTOR SHALL PROVIDE AND INCLUDE IN THEIR BID ALL REQUIRED CONSTRUCTION STAKING AND RECORD DRAWINGS FOR THE PROJECT. RECORD DRAWINGS SHALL BE REFLECTED ON THE PLANS, PRINTED, AND SUBMITTED TO THE OWNER FOR THEIR PERMANENT RECORDS. ALL STAKING AND RECORD DRAWINGS SHALL BE PERFORMED BY A LICENSED, PROFESSIONAL SURVEYOR. A COPY OF THE SURVEYOR'S LICENSE SHALL BE PROVIDED TO THE OWNER WITHIN THE INFORMATION SUBMITTED TO THE OWNER. THE INFORMATION SHALL BE PERFORMED UNTIL THIS INFORMATION IS RECEIVED AND APPROVED. THE OWNER SHALL PROVIDE DIGITAL FILES AND FIELD CONTROL AS NECESSARY FOR THE LICENSED SURVEYOR'S USE WHEN PREPARING THE STAKING PLAN.

DEMOLITION NOTES

- 1. THERE ARE NUMEROUS EXISTING UNDERGROUND UTILITIES TO BE REMOVED, ABANDONED IN-PLACE AND PLUGGED, AND/OR ABANDONED IN-PLACE AND SLURRY FILLED. ANY UTILITIES THAT ARE TO BE ABANDONED IN-PLACE SHALL BE PLUGGED AND MADE WATER-TIGHT OR SLURRY FILLED TO REFUSAL BEFORE EARTHWORK OPERATIONS COMMENCE.
- 2. THE CONTRACTOR SHALL BE PREPARED TO CAMERA ANY DISCOVERED UTILITY MAIN FOUND DURING CONSTRUCTION NOT SHOWN ON THE PLANS TO VERIFY IF THE MAIN SHOULD BE TIED TO THE PROPOSED SYSTEMS OR BE REMOVED.
- 3. ALL PLUGS FOR UTILITY ABANDONMENT SHALL BE FORMED IN-PLACE WITH 3,000 PSI CONCRETE. ALL DRAINS, SEWER MAINS, ETC. SHALL BE SLURRY FILLED WITH 100 TO 200 PSI MAX. FLOWABLE FILL GROUT TO REFUSAL. THE GEOTECHNICAL REPRESENTATIVE SHALL REQUIRE THAT WHEN SLURRY FILLING THAT THE GROUT BE PUMPED UNDER PRESSURE FROM THE DOWNSTREAM SIDE UNTIL GROUT IS SEEN RISING IN THE VENT PIPE AT THE VERY UPSTREAM END OF EXISTING UTILITY BEING ABANDONED.
- 4. ALL EXISTING STORM DRAIN INLETS/SANITARY SEWER MANHOLES WHICH ARE TO BE REMOVED BELOW FINISHED GRADE SHALL, AFTER THEIR REMOVAL, BE BACKFILLED WITH NO. 57 STONE AND THE LAST 12" WITH NO. 8258 STONE MECHANICALLY COMPACTED IN 8" LIFTS.
- 5. IN LOCATIONS WHERE EXISTING SANITARY OR STORM DRAIN ARE TO BE REMOVED, THE CONTRACTOR MAY BACKFILL WITH ENGINEERED EARTHEN FILL MATERIAL, MEETING MATERIAL, COMPACTION, AND MOISTURE REQUIREMENTS SET FORTH BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT IN FULL FOR THIS INFORMATION.
- 6. EXISTING PAVEMENTS SHALL BE RETAINED IN-PLACE FOR AS LONG AS POSSIBLE DURING CONSTRUCTION ACTIVITIES. THE EXISTING PAVEMENTS ACT AS AN EROSION CONTROL MEASURE TO KEEP THE SITES SOILS STABILIZED AND MINIMIZE OFFSITE SOIL RUNOFF.
- 7. THE CONTRACTOR SHALL NOTE THAT SOME OF THE EXISTING STORM DRAIN AND SANITARY SEWER MAINS THROUGHOUT THE SITE CONTAIN PASSES THROUGH FLOWS FROM OFFSITE. THE CONTRACTOR SHALL BE FULLY AND COMPLETELY RESPONSIBLE FOR MAINTAINING THESE FLOWS WITHOUT INTERRUPTION AT ALL TIMES DURING CONSTRUCTION. BEFORE ANY EXISTING PIPES ARE REMOVED OR SLURRY-FILLED, THE CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS INCLUDING BYPASS PUMPING, ETC. TO ENSURE THAT FLOWS ARE UNINTERRUPTED.
- 8. AS PART OF THE BUILDING SLAB REMOVALS SHOWN, CONTRACTOR SHALL ALSO REMOVE ALL FOOTINGS ASSOCIATED WITH EXISTING OR PREVIOUS BUILDING SLABS.
- 9. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES (I.E. COMCAST, CHARTER, SPIRE, AT&T, ALABAMA POWER, LOCAL MUNICIPALITY, ETC.) TO CONFIRM THAT THEIR SERVICES HAVE BEEN TERMINATED AND CAPPED PRIOR TO REQUIRED REMOVAL.
- 10. THE PROJECT DEMOLITION, CLEARING AND GRUBBING GENERAL AREAS HAVE BEEN REFLECTED ON THE DEMOLITION PLAN. THE AREA IS GENERAL IN NATURE AND IS INTENDED TO GIVE THE CONTRACTOR AN APPROXIMATE AREA OF DEMOLITION. REGARDLESS OF THE AREA SHOWN, THE CONTRACTOR SHALL DEMOLISH, CLEAN AND GRUB ALL AREAS AND EXISTING INFRASTRUCTURE (ABOVE AND BELOW GROUND) NECESSARY TO COMPLETE ALL FINAL IMPROVEMENTS AS SHOWN ON THE CIVIL, ARCHITECTURAL, LANDSCAPE/IRRIGATION, ETC. CONSTRUCTION PLANS.

GRADING AND STAKING NOTES

- 1. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 6" TOPSOIL APPLIED, BE GRASSED AND MULCHED, AND/OR SODDED AS SOON AS FINAL GRADING IS COMPLETE. REFER TO EROSION CONTROL NOTES FOR TEMPORARY GRASSING AND MULCHING DURING GRADING OPERATIONS.
- 2. ALL ENGINEERED FILL MATERIALS SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE WELL IN ADVANCE OF FILL OPERATIONS. THE CONTRACTOR SHALL IDENTIFY ALL BORROW SOURCES FOR FILL MATERIALS TO BE TAKEN AND EVALUATED.
- 3. THE CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT PREPARED BY TPL, INC. FOR THIS PROJECT IN ITS ENTIRETY.
- 4. ALL EMBANKMENT FILL AND BORROW EXCAVATION MATERIALS SHALL BE COMPACTED IN LOOSE 8" LIFTS TO 98%, ASTM D 698 MINIMUM AS DIRECTED BY THE GEOTECHNICAL REPRESENTATIVE. THE GEOTECHNICAL REPORT COMPACTION REQUIREMENTS SHALL BE THE REQUIREMENT FOR THE PROJECT.
- 5. THE CONTRACTOR SHALL CLEAR AND GRUB AS NECESSARY WHERE GRADING OPERATIONS ARE TO BE PERFORMED AS SHOWN. THE MAJORITY OF THE PROJECT WILL REQUIRE CLEARING AND REMOVAL OF EXISTING SIDEWALK, DRIVES, CURB AND GUTTER, CURBING, TREE STUMP REMOVAL, TOPSOIL, GRADING, ETC. AS SHOWN THROUGHOUT THE PROJECT CONSTRUCTION PLANS AND CONTRACT DOCUMENTS.
- 6. ALL EXISTING WATER VALVES, UTILITY VALL TOPS, METER BOXES, ROADWAY SIGNS, INFORMATIONAL SIGNS, ETC. NOTED ON THE DEMOLITION PLAN SHALL BE REMOVED, STOCKPILED IN A SECURE LOCATION, AND/OR RESET AS PER THE CONTRACT DOCUMENTS.
- 7. BEFORE FINAL GRADING THE CONTRACTOR SHALL MAKE SURE UTILITIES INCLUDING STORM DRAIN, SANITARY, WATER DISTRIBUTION AND FIRE PROTECTION, ELECTRICAL, VIDEO, IRRIGATION, ETC. IMPROVEMENTS HAVE BEEN INSTALLED.
- 8. THE CONTRACTOR SHALL NOTE CHANGE IN GRADES AND REQUIRED RAMPS WHEN LAYING OUT SCORING AND HANDICAP RAMPS. ALL ADA ACCESSIBLE RAMP GRADES AND SIDEWALK CROSS SLOPE SHALL MEET ADA REQUIREMENTS.
- 9. GRADING OPERATIONS SHALL INCLUDE TOPSOIL STRIPPING AND REMOVAL THROUGHOUT THE PROJECT SITE, UNCLASSIFIED EXCAVATION, AND BORROW EXCAVATION, ROCK REMOVAL, ETC. TO BRING THE SITE TO FINISHED SUBGRADE (ONLY LEAVING PAVEMENTS AND TOPSOIL TO REACH FINAL FINISHED GRADE) AS SHOWN ON THE CONSTRUCTION PLANS. NO EXTRA PAYMENT WILL BE MADE FOR EXCESS MATERIAL BROUGHT ON-SITE. MATERIAL REQUIRED TO BE MOVED MULTIPLE TIMES BECAUSE OF CONSTRUCTION PHASING, OR EXCESS MATERIAL TO BE REMOVED FROM THE SITE UPON GRADING COMPLETION.
- 10. THERE SHALL BE NO DEBRIS (ROOTS, ROCKS, ETC.) IN THE TOLERANCE LARGER THAN 1" IN DIAMETER. THERE ALSO SHALL BE NO WASTED TEMPORARY GRAVEL, CONCRETE, OR ANY OTHER EXCESS MATERIALS FOUND IN THE TOPSOIL. ANY FOUND DEBRIS SHALL BE REMOVED IMMEDIATELY.
- 11. PAYMENT FOR DISPOSAL OF UNSUITABLE MATERIAL "IF ENCOUNTERED" SHALL BE MADE PER CONTRACT DOCUMENTS.

PAVING, SIGNING AND STRIPING NOTES

- 1. THE CONTRACTOR SHALL SAW CUT ALL EXISTING PAVEMENTS TO BE REMOVED WITH A STRAIGHT, CLEAN REMOVAL JOINT TO ENSURE PROPOSED PAVEMENTS JOIN TO EXISTING CLEANLY.
- 2. ALL COMBINATION CURB AND GUTTER SHALL BE TWO (2) FEET IN WIDTH UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION PLANS. EXISTING CURB AND GUTTER VARIES IN WIDTH AND PROPOSED CURB AND GUTTER SHALL BE TAPERED TO JOIN TO IT OVER A MINIMUM DISTANCE OF FIVE (5) FEET TO ENSURE A SMOOTH TRANSITION.
- 3. ALL TEMPORARY AND/OR PERMANENT STRIPING, MARKINGS, ETC. SHALL BE OF COLOR AND TYPE SHOWN AND SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND ALABAMA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
- 4. ALL TEMPORARY CONSTRUCTION SIGNS SHALL MEET THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY CONSTRUCTION SIGN POSTS SHALL BE #3 "U" CHANNEL POSTS, ALDOUT 1708.
- 5. ALL TRAFFIC STRIPES SHALL BE 4" WIDE UNLESS OTHERWISE NOTED.
- 6. THE OWNER REQUIRES A HIGH LEVEL OF FINISH TO THEIR SIDEWALK AND CURB AND GUTTER. THE CONTRACTOR SHALL MAKE SURE HIS MIX IS OPTIMUM AND NOT TOO DRY/WET WHICH MAY LEAD TO PITTING, CRACKING, AND TEXTURE TYPE PROBLEMS WHEN FINISHING THE CONCRETE. POORLY FINISHED CONCRETE SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.
- 7. ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- 8. THE CONCRETE SIDEWALK JOINTING PATTERN SHOWN SHALL BE REFERENCED WHEN POURING THE SIDEWALKS.
- 9. THE CONTRACTOR SHALL NOTE THE DIFFERENT PAVEMENT TYPICAL SECTIONS FOR THE PROJECT.
- 10. THE CONTRACTOR SHALL NOTE THE JOINTING PATTERNS SHOWN ON THE SITE LAYOUT FOR THE FINAL CONCRETE IMPROVEMENTS. HE SHOULD NOTE THAT THESE PATTERNS SERVE TWO PURPOSES: (1) AESTHETICS (2) PROVIDE CONTROL CRACKING. IT IS VERY IMPORTANT THAT THE CONTRACTOR STAKE OUT HIS CONTROL JOINTS SPECIFICALLY RELATED TO CONCRETE PAVEMENTS IN RADII. WHEN SAW CUTTING PAVEMENTS ALONG CENTERLINE IN A RADIUS, THE CONTRACTOR SHALL PROVIDE THE JOINTING PATTERN SHOWN AND TO THE DESIGN DEPTH REQUIRED FOR CONTROL JOINTS.
- 11. CONCRETE CONTROL JOINTS SHALL BE MEASURED FOR DEPTH. THEY MUST BE INSTALLED PROPERLY FOR CONTROL CRACKING OF THE CONCRETE PAVEMENT. IMPROPERLY INSTALLED CONCRETE SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.
- 12. ALL TEMPORARY STRIPING DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. TEMPORARY STRIPING SHALL BE REQUIRED TO CLEARLY DELINEATE WHERE TRAFFIC BOTH PEDESTRIAN AND MOTOR VEHICLE KNOW HOW TO NAVIGATE THE WORK AREA. DURING PAVEMENT CURING TEMPORARY STRIPING SHALL BE APPLIED FOR TRAFFIC CONTROL.
- 13. THE FINAL PAVEMENT FINISH IS VERY IMPORTANT FOR THE PROJECT AND THE OWNER. THE CONTRACTOR SHALL MAKE ALL PAVEMENT ARE FINISHED OUT SMOOTHLY AND CLEANLY, IRREGULARITIES, "BIRD BATHS", RANDOM CRACKING, ETC. SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.

STORM DRAIN NOTES

- 1. THE COST OF INVERTS AND STEPS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR STORM SEWER STRUCTURES INCLUDING BUT NOT LIMITED TO S-INLETS, JUNCTION BOXES, GRATE INLETS, ETC. NO ADDITIONAL PAYMENT SHALL BE MADE FOR INVERTS AND STEPS.
- 2. THE COST OF RINGS AND COVERS SHALL BE INCLUDED IN THE UNIT BID PRICE FOR STORM SEWER STRUCTURES INCLUDING BUT NOT LIMITED TO S-INLETS, JUNCTION BOXES, GRATE INLETS, ETC. NO ADDITIONAL PAYMENT SHALL BE MADE FOR RINGS AND COVERS.
- 3. STORM DRAIN STRUCTURE RINGS AND COVERS AND STEPS SHALL BE INSTALLED ON THE STRUCTURE WALL FREE OF PIPING AND/OR INLET THROAT OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 4. STORM DRAIN STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE STORM STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.
- 5. ALL REQUIRED STORM SEWER STRUCTURE RING AND COVER TOPS SHALL MATCH TOP OF CURB, ROADWAY AND/OR VEGETATED FINISHED GRADE ELEVATIONS UNLESS NOTED OTHERWISE ON THE CONSTRUCTION PLANS. ANY ADJUSTMENTS TO LEVEL RING AND COVER TOP ELEVATIONS WITH FINAL ASPHALT, SODDING, ETC. SHALL BE CONSIDERED A SUBSIDIARY OBLIGATION OF THE STORM DRAIN STRUCTURE INSTALLATION.
- 6. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STORMWATER FLOW IN EXISTING AND PROPOSED STORM SEWERS WITHIN THE PROJECT LIMITS AND IF AFFECTED BY CONSTRUCTION ACTIVITIES, OUTSIDE THE PROJECT LIMITS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY AND ALL MATERIAL AND LABOR REQUIRED FOR TEMPORARY STORM SEWERS AND/OR PUMPS THAT MAY BE REQUIRED FOR BYPASSING, THE OWNER OR ITS REPRESENTATIVE SHALL NOT ACCEPT ANY RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY, OR ACCEPT ANY RESPONSIBILITY FROM CLAIMS OR DAMAGES RESULTING FROM THE FAILURE OF THE CONTRACTOR'S TEMPORARY STORM SEWER BYPASS FACILITIES.
- 7. WHEN ROOF DRAINS ARE TIED TO STORM DRAIN STRUCTURES, DRAIN INVERTS SHALL BE INSTALLED AT THE TOP ELEVATION OF OTHER STORM DRAIN PIPING OR AS HIGH AS THEIR REQUIRED SLOPES AND COVER WILL ALLOW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORING DRAINAGE STRUCTURES TO TIE TO THE ROOF DRAINS.
- 8. ALL STORM DRAIN STRUCTURES ARE REQUIRED TO HAVE REBAR REINFORCEMENT IN THE WALLS, BOTTOM, AND TOP. ALTHOUGH THE TOPS VARY FOR AN S-INLET, GRADE INLET, AND JUNCTION BOX, THE BOX ITSELF IS THE SAME AND REBAR REINFORCEMENT SHALL BE PLACED PER THE STANDARD DETAIL AND NOTES.
- 9. EXISTING STORM STRUCTURES RETAINED AS PART OF THIS PROJECT SHALL BE THOROUGHLY CLEANED, WALLS WIPED WITH GROUT TO MAKE WATER TIGHT, INVERTS FORMED IF NECESSARY, EXISTING PIPING/DRAINS REGROUTED, ETC.
- 10. CONICAL MANHOLE SECTIONS AND MANHOLE RIMS AND COVERS SHALL BE ORIENTED AS PER THE PLANS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE TO ENSURE THE BEST ACCESS INTO THE MANHOLE. FAILURE TO ORIENT CORRECTLY SHALL RESULT IN REORIENTATION AT THE CONTRACTOR'S EXPENSE.
- 11. WHEN TYING TO EXISTING UTILITY PIPING WITH STORM DRAIN, THE CONTRACTOR SHALL USE EXTREME CARE ONLY EXCAVATING AND REMOVING THE NECESSARY AMOUNT OF PIPING TO INSTALL THE REQUIRED STRUCTURE. DAMAGE TO THE EXISTING UTILITY PIPING DUE TO OVEREXCAVATION OR POOR EXCAVATION WORK SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE/REPLACE AT HIS COST.
- 12. CONTRACTOR SHALL MAKE SURE THAT THERE IS FLEXIBILITY IN EACH STORM STRUCTURE CONICAL SECTION AND RING AND COVER TO ENSURE FINAL RING ELEVATION MATCHES FINAL PAVEMENT ELEVATION. FAILURE TO DO SO WILL REQUIRE REMOVAL OF AS MUCH STRUCTURE AS NECESSARY TO ALLOW TOP RING AND COVER TO MATCH PAVEMENT.
- 13. THE CONTRACTOR MAY USE PRECAST CONCRETE STORM STRUCTURES FOR THE STANDARD/SPECIAL STRUCTURES REQUIRED ON THE CONSTRUCTION PLANS.
- 14. THE CONTRACTOR SHALL NOTE EXISTING STORM DRAIN AND STORM DRAIN STRUCTURES TO BE RETAINED AS PART OF THIS PROJECT. THIS EXISTING INFRASTRUCTURE SHALL BE USED TO DRAIN THE PROJECT DURING PHASES OF CONSTRUCTION. PROPER EROSION CONTROL METHODS SHALL BE USED TO PROTECT THIS EXISTING INFRASTRUCTURE.
- 15. THE CONTRACTOR SHALL BACKFILL THE SPACE (WHEN BETWEEN 6 INCHES AND 2 FEET) BETWEEN STORM DRAIN AND SANITARY SEWER MAINS WHEN CROSSING WITH NO. 57 STONE MECHANICALLY CONSOLIDATED IN-PLACE TO PREVENT ANY SETTLEMENT AT THE CROSSING. THIS STONE SHALL EXTEND THE WIDTH OF THE UTILITY TRENCH TO APPROXIMATELY FOUR (4) FEET TO EITHER SIDE OF THE CROSSING.
- 16. THE CONTRACTOR SHALL GROUT AS NECESSARY ALL LIFTING HOLES IN STORM DRAIN PIPING SECTIONS BEFORE BACKFILL. THIS SHALL BE REQUIRED REGARDESIF PREFABRICATED LIFTING PLUGS ARE USED OR NOT. THE COMBINATION OF THE TWO (2) IS RECOMMENDED TO ENSURE THAT THE LIFTING HOLES DO NOT REMAIN OPEN ALLOWING EARTHEN MATERIAL TO ENTER THE DRAIN POSSIBLY CAUSING A SINK HOLE AT THE SURFACE.

SANITARY SEWER NOTES

- 1. THE LOCAL MUNICIPALITY, THE OWNER'S REPRESENTATIVE, AND LOCAL RESIDENTS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE BEFORE ANY SANITARY SEWER IMPROVEMENTS BEGIN.
- 2. THE CONTRACTOR SHALL VERIFY CONNECTIONS FOR FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER PIPING AND MANHOLE INVERTS BEFORE INSTALLING ANY REQUIRED SANITARY SEWER STRUCTURES AND PIPING. THE OWNER'S REPRESENTATIVE SHALL VERIFY THE PROPOSED DESIGN AS SOME INFORMATION WAS NOT VERIFIABLE DURING THE DESIGN SURVEY. IF THE CONTRACTOR KNOWS THIS REQUEST AND HIS INSTALLATION IS INCORRECT, THEN IT SHALL BE HIS RESPONSIBILITY TO RELAY OR RESET ALL PIPING OR STRUCTURES AT HIS COST AFTER THE OWNER'S REPRESENTATIVE FIELD VERIFIES THE INVERTS AND/OR GRADES.
- 3. THE COST OF INVERTS AND STEPS SHALL BE INCLUDED IN THE PRICE FOR SANITARY STRUCTURES. NO ADDITIONAL PAYMENTS SHALL BE MADE FOR INVERTS AND STEPS.
- 4. THE COST OF RINGS AND COVERS SHALL BE INCLUDED IN THE PRICE FOR SANITARY SEWER STRUCTURES. NO ADDITIONAL PAYMENTS SHALL BE MADE FOR RINGS AND COVERS.
- 5. SANITARY STRUCTURE RINGS AND COVERS AND STEPS SHALL BE INSTALLED ON THE STRUCTURE WALL FREE OF PIPING OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 6. SANITARY STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE SANITARY STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.
- 7. ALL REQUIRED SANITARY STRUCTURE TOPS WITHIN A PAVED AREA SHALL MATCH ASPHALT FINISHED GRADES. TOPS INSTALLED TOO HIGH SHALL BE RESET AT NO ADDITIONAL COST TO THE PROJECT.
- 8. ALL SANITARY SEWER MAINS AND SERVICE CONNECTIONS SHALL HAVE DUCTILE IRON FITTINGS ONLY AS PER THE DETAILS REGARDLESS OF THE MAIN OR LATERAL TYPE (PVC OR D.I.).
- 9. ANY EXISTING SANITARY STRUCTURES RETAINED AS PART OF THIS PROJECT SHALL BE THOROUGHLY CLEANED, WALLS WIPED WITH GROUT TO MAKE WATER TIGHT, INVERTS FORMED IF NECESSARY, EXISTING PIPING/DRAINS REGROUTED, ETC.
- 10. CONICAL MANHOLE SECTIONS AND MANHOLE RINGS AND COVERS SHALL BE ORIENTED AS PER THE PLANS AND AS DIRECTED BY THE OWNER'S REPRESENTATIVE TO ENSURE THE BEST ACCESS INTO THE MANHOLE. FAILURE TO ORIENT CORRECTLY SHALL RESULT IN REORIENTATION AT THE CONTRACTOR'S EXPENSE.
- 11. WHEN TYING TO EXISTING UTILITY PIPING WITH SANITARY SEWER STRUCTURES, THE CONTRACTOR SHALL USE EXTREME CARE ONLY EXCAVATING AND REMOVING THE NECESSARY AMOUNT OF PIPING TO INSTALL THE REQUIRED STRUCTURE. DAMAGE TO THE EXISTING UTILITY PIPING DUE TO OVEREXCAVATION OR POOR EXCAVATION WORK SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE/REPLACE AT HIS COST.
- 12. THE CONTRACTOR SHALL MAKE SURE THAT THERE IS FLEXIBILITY IN EACH SANITARY SEWER CONICAL SECTION AND RING AND COVER TO ENSURE FINAL RING ELEVATION MATCHES FINAL PAVEMENT ELEVATION. FAILURE TO DO SO WILL REQUIRE REMOVAL OF AS MUCH STRUCTURE AS NECESSARY TO ALLOW TOP RING AND COVER TO MATCH PAVEMENT.
- 13. THE CONTRACTOR SHALL KEEP ALL LIVE SANITARY MAINS AND LATERALS FLOWING CONTINUOUSLY BY WHATEVER MEANS NECESSARY INCLUDING BYPASS PUMPING, TIENS AT NIGHT, OR ON WEEKENDS, ETC.
- 14. ALL MANHOLE AND MAIN INSTALLATIONS SHALL BE TESTED. TESTING IS CONSIDERED INCIDENTAL TO THE PROJECT.
- 15. ALL SANITARY MAINS INSTALLED THAT ARE 6" IN DIAMETER AND GREATER SHALL BE CAMERA D AFTER INSTALLATION BY THE CONTRACTOR. THE OWNER'S REPRESENTATIVE MUST BE ON-SITE WHEN THIS OCCURS AND A COMPLETE REPORT AND DVD SUBMITTED TO THE OWNER.

WATER DISTRIBUTION NOTES

- 1. THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM IS OWNED AND OPERATED BY THE LOCAL MUNICIPALITY. TAPS AND CONNECTIONS TO EXISTING MAINS AND SERVICES SHALL BE APPROVED BY AND COORDINATED WITH THE LOCAL MUNICIPALITIES WATER DISTRIBUTION DIVISION. ANY FINES AND/OR PENALTIES INCURRED BY THE CONTRACTOR FOR IMPROPER OPERATION OF THE WATER DISTRIBUTION AND FIRE PROTECTION SYSTEM SHALL BE THE EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. (APPLIES TO CONTRACTOR AND ALL SUBCONTRACTORS).
- 2. THE CONTRACTOR SHALL VERIFY THE EXISTING WATER MAIN LOCATIONS PRIOR TO INSTALLING THE REQUIRED WATER MAINS. THESE LOCATIONS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE FOR VERIFICATION.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAPPING EXISTING WATER MAINS.
- 4. ALL MAINS AND SERVICE LINES SHALL HAVE 36" MINIMUM COVER. ALL MAINS AND SERVICE LINES WITHIN ALABAMA DEPARTMENT OF TRANSPORTATION (ADOT) SHALL HAVE 48" MINIMUM COVER.
- 5. DOMESTIC SERVICES, BACKFLOW PREVENTERS, METERS, ETC. SHALL BE INSTALLED ACCORDING TO LOCAL REQUIREMENTS AND THE STANDARD DETAILS.
- 6. ALL COPPER SERVICE LINES SHALL BE TYPE "K". PVC SERVICE LINES SHALL BE CLASS 200, AND DUCTILE IRON WATERMAIN SHALL BE CLASS 350 UNLESS NOTED OTHERWISE ON THE PLANS.
- 7. ANY INSTALLATION REQUIRING THE USE OF PVC PIPE SHALL INCLUDE BEDDING AND ENCASEING THE PIPING WITH STONE GRADATION AS PER THE STANDARD DETAILS AND WATER DISTRIBUTION REQUIREMENTS.
- 8. THE CONTRACTOR SHALL KEEP THE EXISTING WATER DISTRIBUTION SYSTEM IN OPERATION AS LONG AS POSSIBLE WHILE INSTALLING THE RELOCATIONS. THE RELOCATED SYSTEM SHALL BE PRESSURE TESTED AND DISINFECTED IN ITS ENTIRETY BEFORE IT IS CUT INTO THE EXISTING SYSTEM.
- 9. NO GLUE JOINT FITTINGS SHALL BE ALLOWED ON THE WATER DISTRIBUTION SYSTEM.
- 10. ALL DUCTILE IRON WATER DISTRIBUTION MAINS SHALL HAVE DUCTILE IRON FITTINGS ONLY.
- 11. ALL PVC WATER DISTRIBUTION LINES SHALL HAVE GASKETED PVC BRASS FITTINGS.
- 12. GATE VALVES INSTALLED ON THE WATER DISTRIBUTION SYSTEM SHALL BE RESILIENT WEDGE VALVES TO ENSURE EASE OF OPERATION AND RELIABILITY.

EROSION CONTROL NOTES:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COVERAGE UNDER GENERAL NPDES PERMIT NO. ALR10000, INCLUDING THE ASSOCIATED FEES. FOR THIS PROJECT IN THE COMPANY'S NAME AND PROVIDING THE QUALIFIED CREDENTIALLED PROFESSIONAL QCP AND/OR QUALIFIED CREDENTIALLED INSPECTOR (QCI) TO PERFORM INSPECTIONS AS REQUIRED BY THE PERMITS. THE COSTS OF INSPECTIONS AND ASSOCIATED DOCUMENTATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE NECESSARY BEST MANAGEMENT PRACTICES (BMPs) AND PERFORM THE WORK AS REQUIRED BY THE QCP/QCI TO ENSURE PERMIT REQUIREMENTS ARE MET. THE CONTRACTOR SHALL PROVIDE THE OWNER'S REPRESENTATIVE WITH STORM WATER MONITORING REPORTS WITHIN 48 HOURS OF EACH RAIN EVENT WHICH REQUIRES MONITORING. THE OWNER RETAINS THE RIGHT TO SUPPLEMENT THE CONTRACTOR'S FORCES AT THE CONTRACTOR'S EXPENSE IN THE EVENT THE CONTRACTOR DOES NOT SATISFY THE NPDES INSPECTION COMMENTS. UPON COMPLETION OF THE PROJECT AND STABILIZATION OF THE SITE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TERMINATE THE NPDES PERMIT. ALL DAILY INSPECTIONS AND REPORTS OF THE SITE SHALL BE COMPLETED BY A QCP OR QCI. THE QCP/QCI SHALL INSPECT ALL BMPs DAILY AND KEEP DAILY INSPECTION REPORTS IN A LOG BOOK THAT SHALL BE SUBMITTED FOR REVIEW BY THE OWNER'S REPRESENTATIVE PRIOR TO APPROVAL OF THE MONTHLY PAY REQUEST.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR USING BEST MANAGEMENT PRACTICES (BMPs) FOR EROSION AND SEDIMENT CONTROL THROUGHOUT CONSTRUCTION. AN EROSION CONTROL PLAN IS PROVIDED AS A MINIMUM GUIDE FOR PROVIDING STRUCTURAL BMPs. PAVING, TEMPORARY GRASSING, AND OTHER EROSION CONTROL MEASURES AS SPECIFIED IN THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT, SHALL BE UTILIZED TO MINIMIZE EROSION. NO EXTRA COMPENSATION SHALL BE GIVEN TO THE CONTRACTOR FOR MAINTAINING EROSION CONTROL ITEMS OR ADDITIONAL EROSION CONTROL ITEMS REQUIRED TO COMPLY WITH THE NPDES PERMIT.
- 3. THE DESIGN OF THE CBMP, IF REQUIRED, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR'S QCP. IN THE EVENT THAT SEDIMENT BASINS ARE REQUIRED BY THE DESIGN, NO ADDITIONAL COMPENSATION SHALL BE GIVEN TO THE CONTRACTOR FOR STOCKPILING MATERIAL TO IMPROVE FLOW OF STORM DRAINS AFTER THE SITE IMPROVEMENTS ARE COMPLETE AND THE PROJECT IS STABILIZED. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR TEMPORARY RIPRAP OR SPREADING IT UPON COMPLETION OF THE SITE IMPROVEMENTS. ALL TEMPORARY RIPRAP THAT IS SPREAD FOR USE AS PERMANENT RIPRAP SHALL BE PLACED ON THE STONE BEDDING AND FILTER FABRIC AS SHOWN IN THE DETAILS. COSTS FOR STONE AND FILTER FABRIC PLACED UNDERNEATH ALL TEMPORARY RIPRAP THAT IS SPREAD IN PERMANENT LOCATIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EROSION CONTROL MANAGEMENT AND MAINTENANCE, OR IF THERE ARE NO UNIT PRICES, THE COST SHALL BE INCIDENTAL TO THE PROJECT.
- 4. ANY FINES INCURRED DUE TO FAILURE TO MAINTAIN EROSION CONTROL MEASURES SHALL BE PAID FOR BY THE CONTRACTOR. ANY ADDITIONAL WORK AND MATERIALS REQUIRED TO COMPLY WITH ANY VIOLATIONS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 5. ALL TEMPORARY RIPRAP, IF ANY, USED FOR EROSION CONTROL PURPOSES SHALL BE INCLUDED IN THE PRICE OF EROSION CONTROL. TEMPORARY RIPRAP BERMES SHALL BE SPREAD OUT IN AREAS WHERE PERMANENT RIPRAP IS REQUIRED AND SHALL BE SPREAD IN A MANNER TO NOT IMPROVE FLOW OF STORM DRAINS AFTER THE SITE IMPROVEMENTS ARE COMPLETE AND THE PROJECT IS STABILIZED. THERE SHALL BE NO ADDITIONAL COMPENSATION FOR TEMPORARY RIPRAP OR SPREADING IT UPON COMPLETION OF THE SITE IMPROVEMENTS. ALL TEMPORARY RIPRAP THAT IS SPREAD FOR USE AS PERMANENT RIPRAP SHALL BE PLACED ON THE STONE BEDDING AND FILTER FABRIC AS SHOWN IN THE DETAILS. COSTS FOR STONE AND FILTER FABRIC PLACED UNDERNEATH ALL TEMPORARY RIPRAP THAT IS SPREAD IN PERMANENT LOCATIONS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EROSION CONTROL MANAGEMENT AND MAINTENANCE, OR IF THERE ARE NO UNIT PRICES, THE COST SHALL BE INCIDENTAL TO THE PROJECT.
- 6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND KEEP CLEAN ALL EROSION & SEDIMENT CONTROL STRUCTURES UNTIL THE NPDES PERMIT IS ACCEPTED AS COMPLETE BY THE QCP & ADEM, AND IS TERMINATED BY THE CONTRACTOR.
- 7. SILT FENCES SHALL HAVE SEDIMENT DEPOSITS REMOVED IF THEY REACH A DEPTH OF FIFTEEN INCHES (15") OR 1/2 THE HEIGHT OF THE FENCE. SEDIMENT REMOVED FROM SILT FENCES SHALL BE PLACED ONSITE AND STABILIZED.
- 8. THE PROJECT AREA SHALL REMAIN CLEAN AT ALL TIMES. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO KEEP THE PROJECT AREA CLEAN, INCLUDING MOTORIZED STREET SWEEPERS, WATER AND VACUUM TRUCKS, HAND SWEEPING AND SHOVELING, ETC. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADDRESS THIS ISSUE EACH DAY INCLUDING WEEKENDS AND SPECIFICALLY PRE AND POST RAIN EVENTS.
- 9. THE CONTRACTOR SHALL IDENTIFY WORK AREA ENTRANCE/EXIT LOCATIONS FOR EQUIPMENT AND INSTALL TEMPORARY GRASS/VEG DRIVES TO REDUCE TRACKING ONTO PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS CLEAN OF ANY SEDIMENT FROM THE CONSTRUCTION SITE ON A DAILY BASIS, NO EXCEPTIONS.
- 10. ALL DISTURBED AREAS, INCLUDING THE EARTHEN STOCKPILES, SHALL BE MULCHED UPON COMPLETION OF GRADING OPERATIONS. ADEM REGULATIONS REQUIRE THAT ALL DISTURBED AREAS UNDERGOING ACTIVE DISTURBANCE OR ACTIVE CONSTRUCTION FOR LONGER THAN THIRTEEN (13) DAYS TO BE PROVIDED WITH TEMPORARY GROUND COVER.
- 11. THE CONTRACTOR SHALL INSTALL WATTLAS, SANDBAGS, AND/OR SILT FENCE TRENCHED THROUGH PAVEMENT AFTER SAW-CUTTING THE ASPHALT TO AVOID RUNOFF INTO OTHER ROADWAYS, DRIVES, AND AREAS PARALLEL AND ADJACENT TO THE PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADDRESS THIS ISSUE EACH DAY INCLUDING WEEKENDS AND SPECIFICALLY PRE AND POST RAIN EVENTS.
- 12. THERE MAY BE LOCATIONS WHERE SILT FENCE MAY BE NEEDED ACROSS EXISTING PAVEMENT THAT IS TO BE RETAINED FOR TEMPORARY ALL WEATHER WORKING SURFACE AND/OR LAYDOWN YARD. IN THESE LOCATIONS THE EXISTING PAVEMENT SHALL BE SAW-CUT ENOUGH TO TRENCH THE SILT FENCE PROPERLY IN THE GROUND. SAND BAGS AND/OR PROPERLY SECURED SEDIMENT CONTROL LOSS COULD SERVE THIS PURPOSE AS WELL.
- 13. WATTLAS FOR SEDIMENT CONTROL SHALL HAVE A MINIMUM DIAMETER OF 12".
- 14. THE CONTRACTOR SHALL INSTALL STONE AND/OR STABILIZE ENTRANCE/EXIT, SIDEWALKS, ROADWAY/DRIVES, ETC. AS NECESSARY. ALL STONES FOR CONSTRUCTION ENTRANCE/EXIT, SIDEWALKS, ROADWAY/DRIVES, ETC. ARE CONSIDERED INCIDENTAL REGARDLESS THE NUMBER OF TIMES FRESH STONE IS REQUIRED FOR EROSION CONTROL MEASURES. AT THE END OF THE PROJECT, ALL STONE SHALL BE REMOVED AND NOT WASTED ON THE PROJECT SITE.
- 15. WHEN INSTALLING SILT FENCE OR OTHER BMPs, THE CONTRACTOR SHALL USE THE LOCATIONS PROVIDED ON THE DRAWINGS OR THE CBMP. WASTEFUL AND/OR POORLY PLANNED INSTALLATIONS SHALL NOT RECEIVE ADDITIONAL PAY FOR REINSTALLATION AFTER MOVING TO ANOTHER PHASE OF THE WORK.
- 16. CHILTON COUNTY SCHOOLS CLOSELY MONITORS DEVELOPMENTS FOR EROSION & SEDIMENT CONTROL VIOLATIONS. VIOLATIONS CAN LEAD TO CHILTON COUNTY SCHOOLS ISSUING A STOP WORK ORDER. THE PROJECT SHALL FALL UNDER THE SAME GUIDELINES. ANY FINES AND LEGAL FEES ASSOCIATED WITH THE CONTRACTOR'S FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL MEASURES SHALL BE PAID FOR BY THE CONTRACTOR INCLUDING ANY ADDITIONAL REQUIREMENTS PLACED ON THE PROJECT BY THE FINING AGENCY. THERE SHALL BE NO CLAIMS CONSIDERED OF LOST CONTRACT TIME, MONEY, ETC. DURING THE STOP WORK PERIOD. THIS IS A SITUATION TOTALLY IN THE CONTROL OF THE CONTRACTOR AND HE WILL MEET HIS RESPONSIBILITIES TO MAINTAIN A STABILIZED CONSTRUCTION SITE.
- 17. ALL INLETS/STRUCTURES SHALL BE COVERED BY DOME INLET PROTECTORS DURING CONSTRUCTION TO AVOID SEDIMENT RUNOFF. THESE UNITS SHALL BE KEPT CLEAN DURING CONSTRUCTION. IF THE INLET/STRUCTURE IS TOO LARGE, THEN SEDIMENT LOGS OR SILT FENCE SHALL BE USED TO PROTECT THE INLET.
- 18. ALL MEANS NECESSARY SHALL BE USED TO ESTABLISH TEMPORARY EROSION CONTROL INCLUDING EROSION CONTROL NETTING, SODDING, REPEATED SEDIMENT AND MULCHING, ETC.
- 19. A BEST MANAGEMENT PLAN SHALL OR A MINIMUM RETURN ALL EXPOSED OR DISTURBED AREAS TO ORIGINAL OR BETTER CONDITION WITH AT LEAST A GOOD STAND OF GRASS AND/OR SOD. EROSION CONTROL MEASURES INCLUDING CONSTRUCTION EXIT PADS, SHOWN HEREIN TO PREVENT EROSION AND SEDIMENT RUNOFF ARE A MINIMUM AND SHALL NOT BE INTERPRETED AS BEING ALL THAT IS REQUIRED FOR THE PROJECT. CONTRACTOR SHALL BE MINDFUL DURING ALL PHASES OF CONSTRUCTION AND INSTALL AND UTILIZE ANY AND ALL ADDITIONAL ITEMS NECESSARY TO CONTROL ALL EROSION AND SEDIMENTATION ON THE PROJECT AT ALL TIMES AS REQUIRED BY ADEM AND THE ALABAMA HANDBOOK FOR EROSION CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, MOST RECENT EDITION.
- 20. THE CONTRACTOR'S REPRESENTATIVE RESERVES THE RIGHT TO DIRECT ADDITIONAL ITEMS OR REVISE IN-FIELD PLACEMENT OF EROSION CONTROL ITEMS AS DEEMED NECESSARY DURING ALL PHASES OF THE PROJECT.
- 21. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING OUT ALL SANITARY OR STORM SEWER MAINS AND MANHOLES ON A CONTINUAL BASIS IF CONSTRUCTION DEBRIS ENTERS SUCH MAINS. IN NO EVENT SHALL CONTRACTOR DISPOSE OF ANY DEBRIS OR MATERIALS IN SEWERS. CONTRACTOR SHALL IMMEDIATELY REMOVE ANY SUCH DEBRIS OR MATERIAL TO A SECURE LOCATION AND NOTIFY CONTRACTOR OF OWNER'S REPRESENTATIVE.
- 22. CONTRACTOR SHALL BE OBSERVANT OF FORECASTED RAIN EVENTS AND PROMPTLY REPAIR, MAINTAIN, INSTALL NECESSARY EROSION CONTROL ITEMS PRIOR TO SUCH RAIN EVENTS. CONTRACTOR SHALL PROMPTLY MEDiate, CLEAN UP, REMOVE ANY EROSION OR SEDIMENTATION FROM ALL EROSION CONTROL ITEMS, STRUCTURES, TRAPS, BASINS, ETC. AND REPAIR, MAINTAIN, RE-INSTALL, SUPPLEMENT SUCH IMMEDIATELY FOLLOWING EACH RAIN EVENT OR AS DIRECTED BY OWNERS REPRESENTATIVE.
- 23. ALL CONCRETE WASHOUT WATER SHALL BE COLLECTED IN A LEAK PROOF CONTAINER SO THAT IT DOES NOT REACH THE SOIL SURFACE AND THEN MIGRATE TO SURFACE WATERS OR INTO GROUNDWATER. ALL OF THE COLLECTED CONCRETE WASHOUT WATER AND SOLIDS SHALL BE RECYCLED.

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Drawn By: S S N Checked By: A H S
Date: 01/08/25 Job No.: 25-01196.00
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1705 LAY DAM ROAD, CLANTON, AL 35045



BID SUBMITTAL

DATE: 01/08/25
PROJ NO: 25-032

REVISIONS

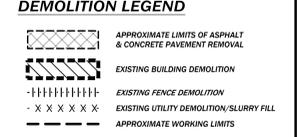
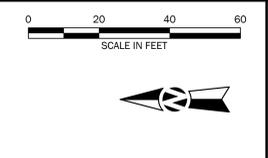
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PROJECT NOTES

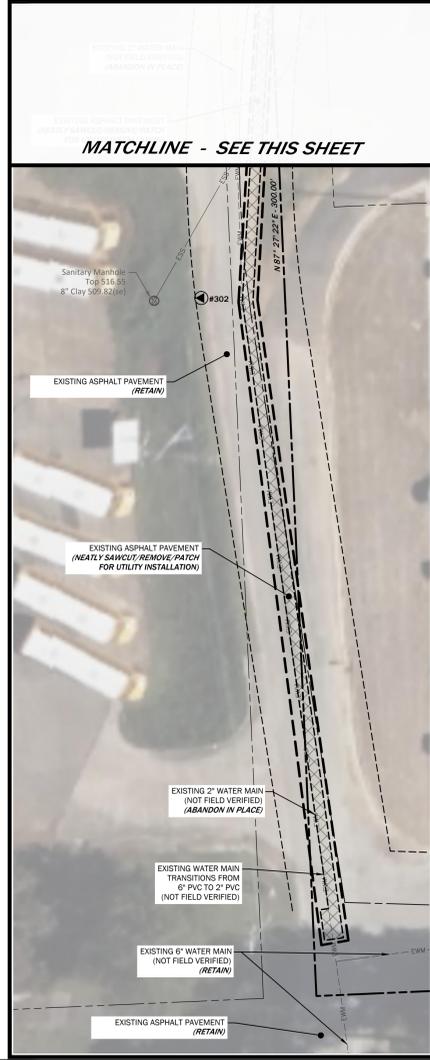
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Point ID	Northing	Easting	Elevation	Description
200	1001168.20	2273420.42	530.09	Capped Rebar Set
201	1001476.83	2273451.97	517.33	PK Nail Set
202	1000906.21	2273168.30	531.81	Capped Rebar Set
203	1000973.04	2273195.10	530.31	Capped Rebar Set
300	1001378.13	2273932.72	516.31	Capped Rebar Set
301	1001197.50	2273979.64	516.06	Capped Rebar Set
302	1001553.24	2273233.30	522.14	Capped Rebar Set
303	1000877.20	2273056.37	532.41	Capped Rebar Set
304	1000446.92	2273088.66	529.74	Capped Rebar Set
305	1000632.64	2273319.06	529.56	Capped Rebar Set



- DEMOLITION NOTES:**
- THE CONTRACTOR SHALL NOTE THAT THIS SHEET IS INTENDED TO PROVIDE AN OVERALL VIEW OF PROJECT DEMOLITION. IT DOES NOT NOTE OR CONSTITUTE ALL ITEMS TO BE DEMOLISHED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PLANS AND PROJECT SITE, AND HIGHLIGHT ANY ITEMS HE IS UNSURE OF DURING THE BID PROCESS AND REQUEST CLARIFICATION. NO CLAIMS SHALL BE CONSIDERED AFTER THE PROJECT BIDS RELATED TO THE DEMOLITION AREA.
 - DURING CONSTRUCTION, ANY EXISTING LANDSCAPING, FENCING, ETC. TO BE RETAINED SHALL BE PROTECTED AND IF DAMAGED OR REMOVED SHALL BE REPLACED WITH LIKE MATERIALS AS APPROVED BY THE OWNER'S REPRESENTATIVE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
 - ALL DEMOLITION, CLEARING, AND GRUBBING SHALL BE REMOVED FROM THE PROJECT SITE. NO BURNING OF PERISHABLE MATERIAL WILL BE PERMITTED.



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EXISTING CONDITIONS & DEMOLITION PLAN

C201

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DEMOLITION LEGEND

- APPROXIMATE LIMITS OF ASPHALT & CONCRETE PAVEMENT REMOVAL
- EXISTING BUILDING DEMOLITION
- EXISTING FENCE DEMOLITION
- EXISTING UTILITY DEMOLITION/SLURRY FILL
- APPROXIMATE WORKING LIMITS

- DEMOLITION NOTES:**
- THE CONTRACTOR SHALL NOTE THAT THIS SHEET IS INTENDED TO PROVIDE AN OVERALL VIEW OF PROJECT DEMOLITION. IT DOES NOT NOTE OR CONSTITUTE ALL ITEMS TO BE DEMOLISHED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PLANS AND PROJECT SITE, AND HIGHLIGHT ANY ITEMS HE IS UNSURE OF DURING THE BID PROCESS AND REQUEST CLARIFICATION. NO CLAIMS SHALL BE CONSIDERED AFTER THE PROJECT BIDS RELATED TO THE DEMOLITION AREA.
 - DURING CONSTRUCTION, ANY EXISTING LANDSCAPING, FENCING, ETC. TO BE RETAINED SHALL BE PROTECTED AND IF DAMAGED OR REMOVED SHALL BE REPLACED WITH LIKE MATERIALS AS APPROVED BY THE OWNER'S REPRESENTATIVE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
 - ALL DEMOLITION, CLEARING, AND GRUBBING SHALL BE REMOVED FROM THE PROJECT SITE. NO BURNING OF PERISHABLE MATERIAL WILL BE PERMITTED.

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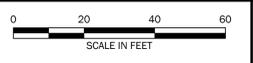
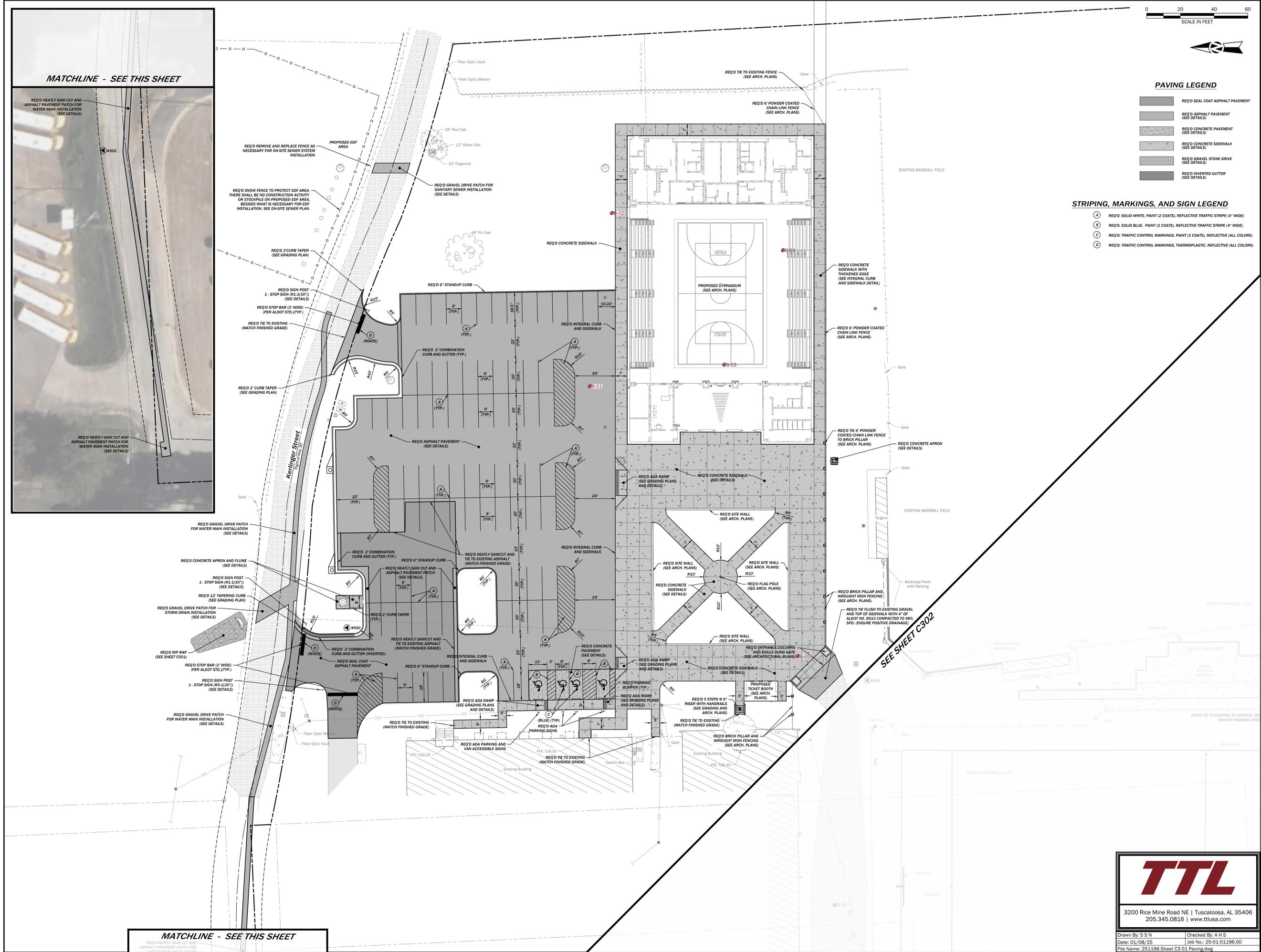
EXISTING CONDITIONS & DEMOLITION PLAN

C202

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PAVING LEGEND

- REQ'D SEAL COAT ASPHALT PAVEMENT (SEE DETAILS)
- REQ'D ASPHALT PAVEMENT (SEE DETAILS)
- REQ'D CONCRETE PAVEMENT (SEE DETAILS)
- REQ'D CONCRETE SIDEWALK (SEE DETAILS)
- REQ'D GRAVEL STONE DRIVE (SEE DETAILS)
- REQ'D INVERTED GUTTER (SEE DETAILS)

STRIPING, MARKINGS, AND SIGN LEGEND

- REQ'D SOLID WHITE, PAINT (2 COATS), REFLECTIVE TRAFFIC STRIPE (4" WIDE)
- REQ'D SOLID BLUE, PAINT (2 COATS), REFLECTIVE TRAFFIC STRIPE (4" WIDE)
- REQ'D TRAFFIC CONTROL MARKINGS, PAINT (2 COATS), REFLECTIVE (ALL COLORS)
- REQ'D TRAFFIC CONTROL MARKINGS, THERMOPLASTIC, REFLECTIVE (ALL COLORS)

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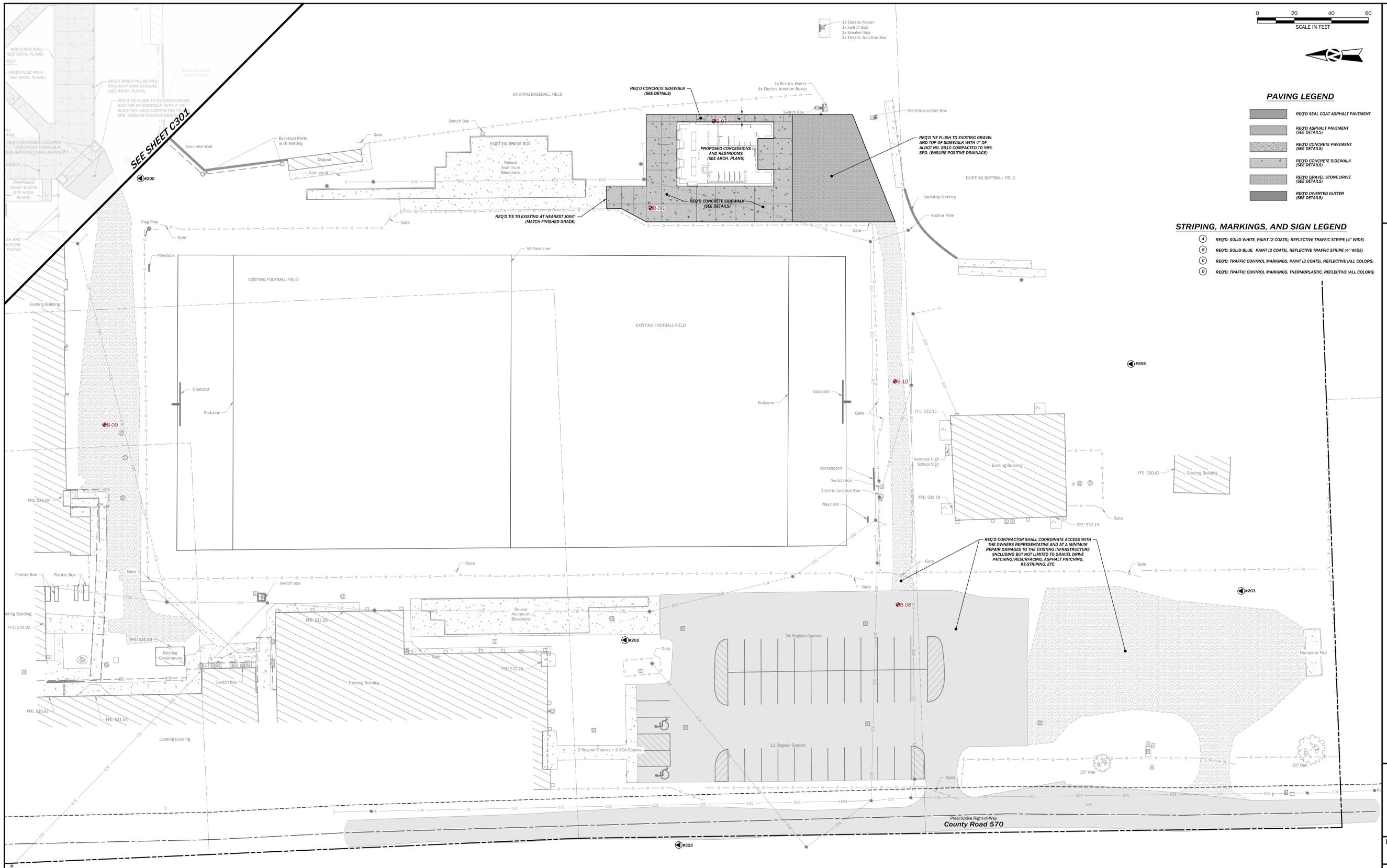
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SITE PAVING PLAN
C301



PAVING LEGEND

- REQ'D SEAL COAT ASPHALT PAVEMENT (SEE DETAILS)
- REQ'D ASPHALT PAVEMENT (SEE DETAILS)
- REQ'D CONCRETE PAVEMENT (SEE DETAILS)
- REQ'D CONCRETE SIDEWALK (SEE DETAILS)
- REQ'D GRAVEL STONE DRIVE (SEE DETAILS)
- REQ'D INVERTED GUTTER (SEE DETAILS)

STRIPING, MARKINGS, AND SIGN LEGEND

- REQ'D: SOLID WHITE, PAINT (2 COATS), REFLECTIVE TRAFFIC STRIPE (4" WIDE)
- REQ'D: SOLID BLUE, PAINT (2 COATS), REFLECTIVE TRAFFIC STRIPE (4" WIDE)
- REQ'D: TRAFFIC CONTROL MARKINGS, PAINT (2 COATS), REFLECTIVE (ALL COLORS)
- REQ'D: TRAFFIC CONTROL MARKINGS, THERMOPLASTIC, REFLECTIVE (ALL COLORS)

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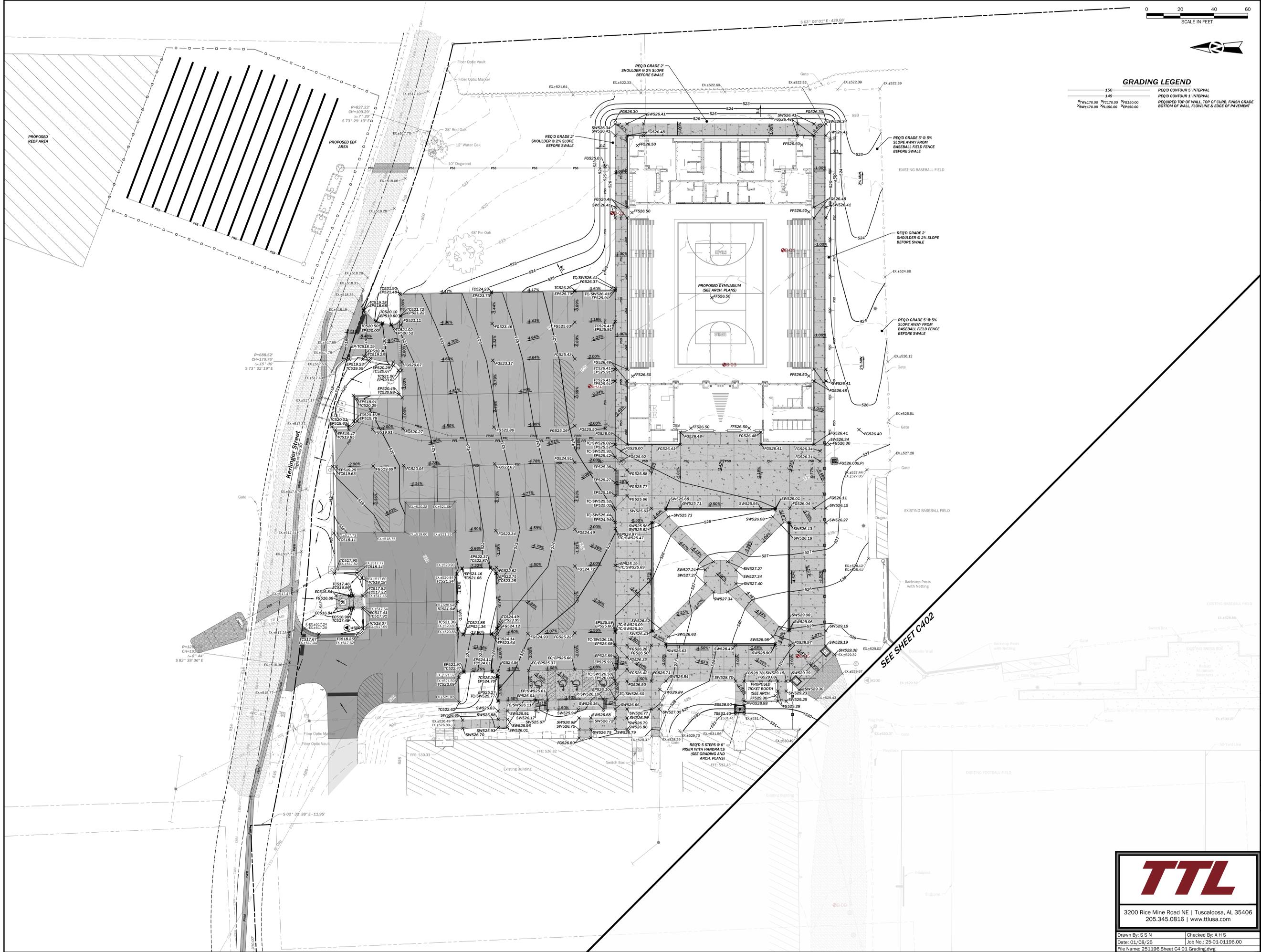
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SITE PAVING PLAN

C302



GRADING LEGEND

150	REQ'D CONTOUR 9' INTERVAL		
149	REQ'D CONTOUR 2' INTERVAL		
×TW1170.00	×TC1270.00	×FG1500.00	REQ'D TOP OF WALL, TOP OF CURB, FINISH GRADE
×BW1170.00	×L1500.00	×EP1500.00	REQ'D BOTTOM OF WALL, FLOWLINE & EDGE OF PAVEMENT

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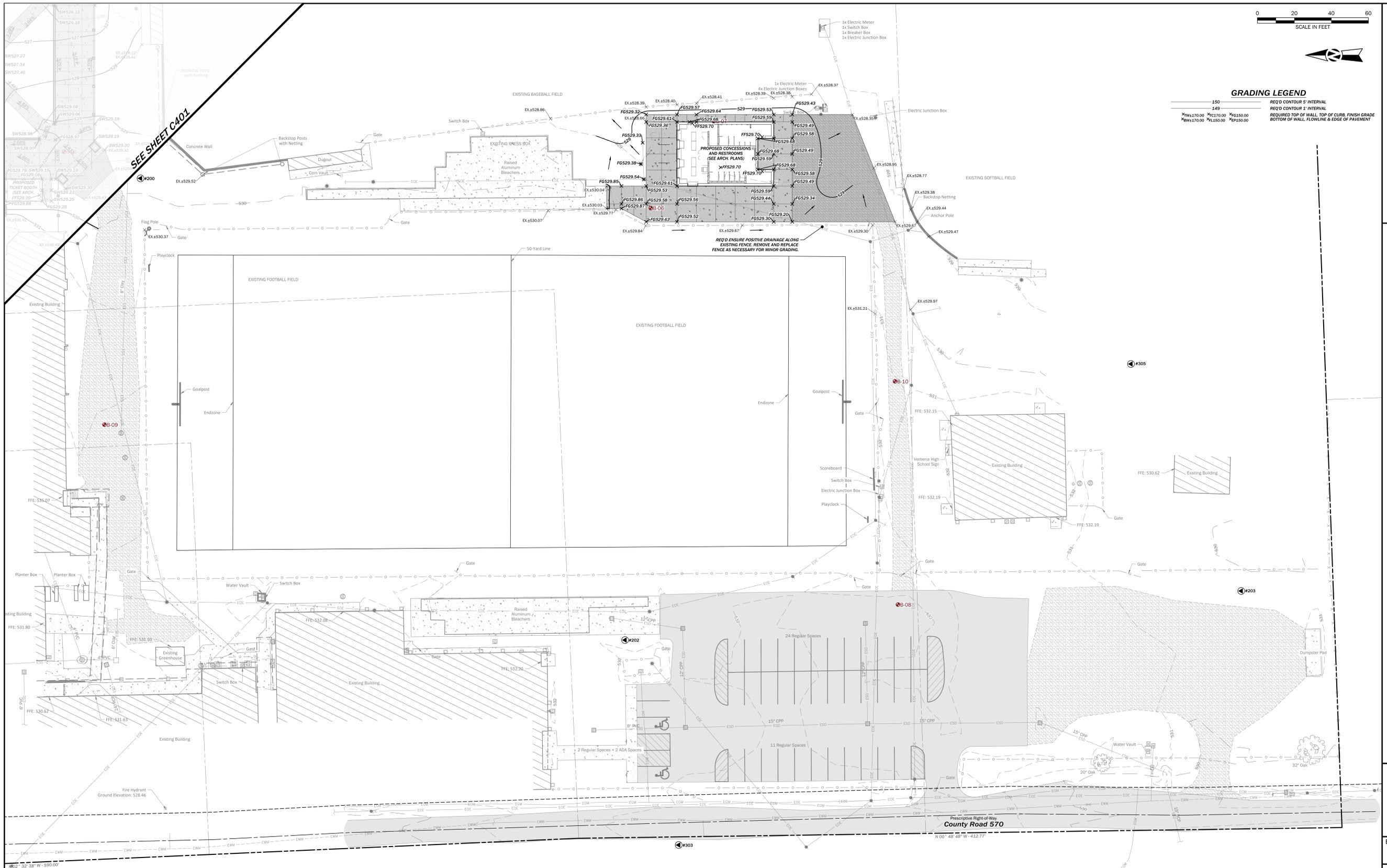
SITE GRADING PLAN

C401

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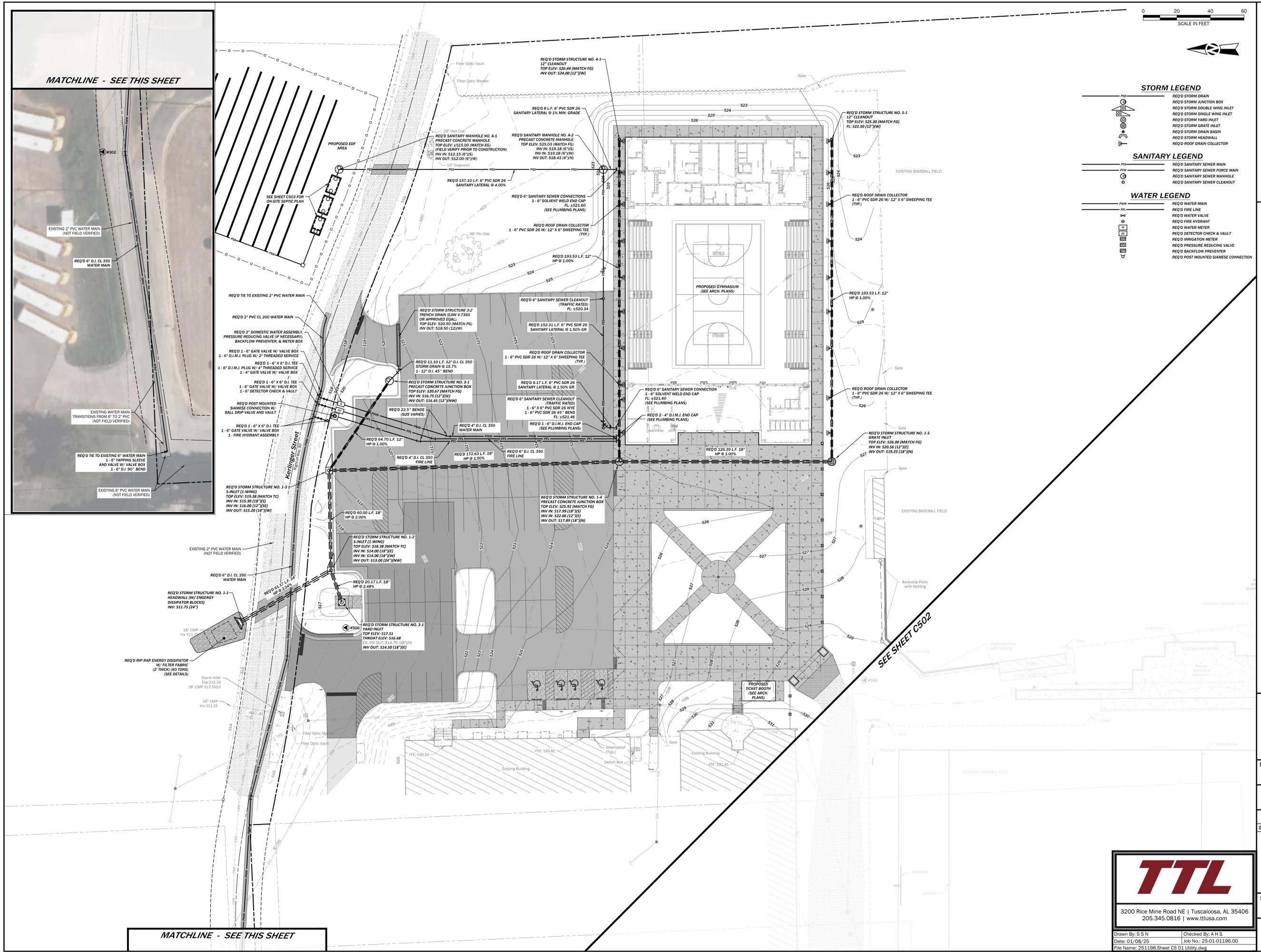
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SITE GRADING PLAN

C402



STORM LEGEND

- REQ'D STORM DRAIN
- REQ'D STORM JUNCTION BOX
- REQ'D STORM DOUBLE WING INLET
- REQ'D STORM SINGLE WING INLET
- REQ'D STORM YARD INLET
- REQ'D STORM GRATE INLET
- REQ'D STORM DRAIN BASIN
- REQ'D STORM HEADWALL

SANITARY LEGEND

- REQ'D SANITARY SEWER MAIN
- REQ'D SANITARY SEWER FORCE MAIN
- REQ'D SANITARY SEWER MANHOLE
- REQ'D SANITARY SEWER CLEANOUT

WATER LEGEND

- REQ'D WATER MAIN
- REQ'D FIRE LINE
- REQ'D WATER VALVE
- REQ'D FIRE HYDRANT
- REQ'D WATER METER
- REQ'D DETECTOR CHECK & VAULT
- REQ'D IRRIGATION METER
- REQ'D PRESSURE REDUCING VALVE
- REQ'D BACKFLOW PREVENTER
- REQ'D POST MOUNTED SIAMENSE CONNECTION

MATCHLINE - SEE THIS SHEET

MATCHLINE - SEE THIS SHEET

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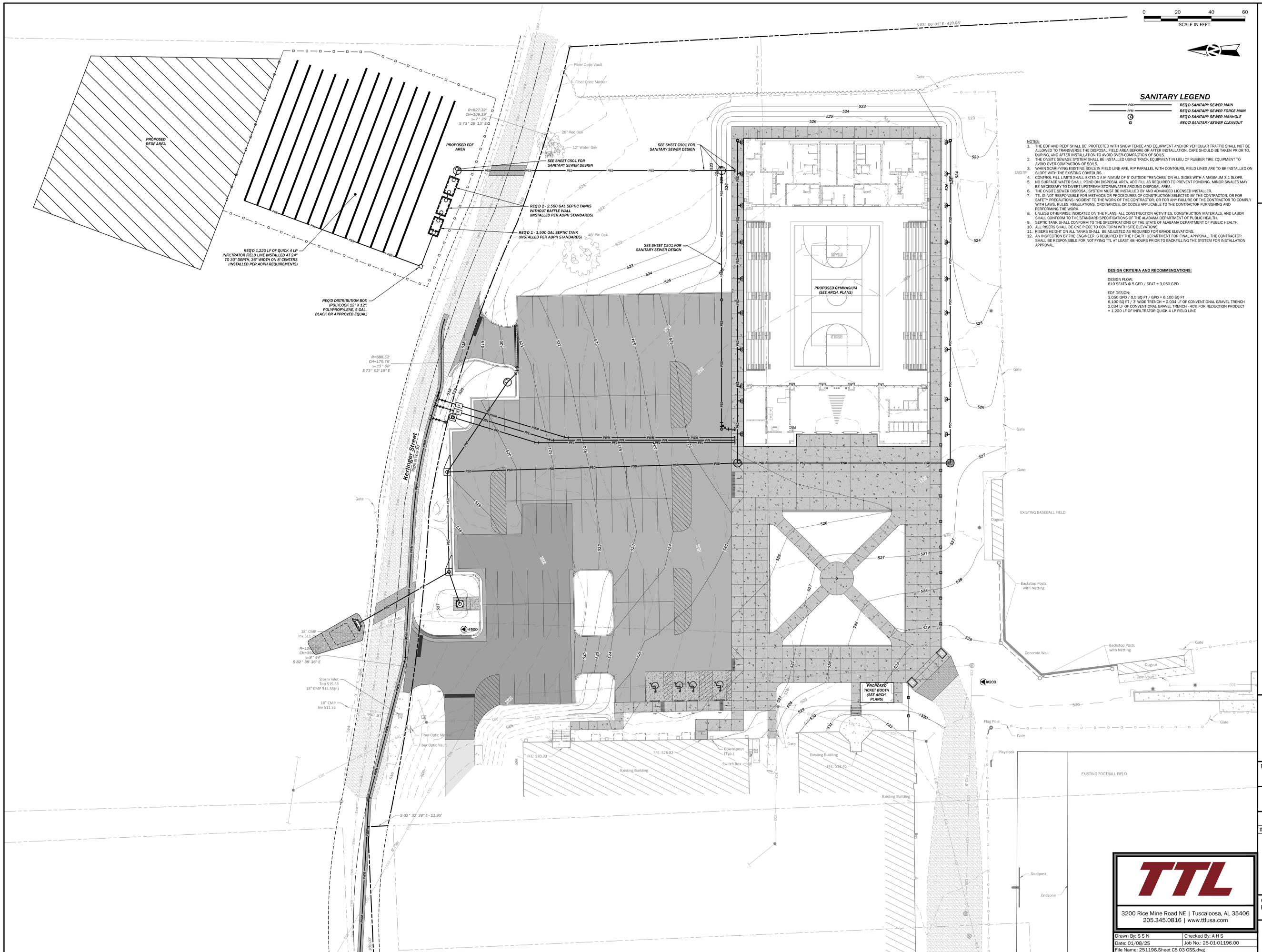


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SITE UTILITY PLAN		
C501		

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SANITARY LEGEND

	REQ'D SANITARY SEWER MAIN
	REQ'D SANITARY SEWER FORCE MAIN
	REQ'D SANITARY SEWER MANHOLE
	REQ'D SANITARY SEWER CLEANOUT

- NOTES:**
1. THE EDF AND REEF SHALL BE PROTECTED WITH SNOW FENCE AND EQUIPMENT AND/OR VEHICULAR TRAFFIC SHALL NOT BE ALLOWED TO TRANSVERSE THE DISPOSAL FIELD AREA BEFORE OR AFTER INSTALLATION. CARE SHOULD BE TAKEN PRIOR TO, DURING, AND AFTER INSTALLATION TO AVOID OVER-COMPACTION OF SOILS.
 2. THE ON-SITE SEWAGE SYSTEM SHALL BE INSTALLED USING TRACK EQUIPMENT IN LIEU OF RUBBER TIRE EQUIPMENT TO AVOID OVER-COMPACTION OF SOILS.
 3. WHEN SCARPING EXISTING SOILS IN FIELD LINE AREA, RIP PARALLEL WITH CONTOURS. FIELD LINES ARE TO BE INSTALLED ON SLOPE WITH THE EXISTING CONTOURS.
 4. CONTROL FILL LIMITS SHALL EXTEND A MINIMUM OF 5' OUTSIDE TRENCHES ON ALL SIDES WITH A MAXIMUM 3:1 SLOPE. NO SURFACE WATER SHALL RUND ON DISPOSAL AREA. ADD FILL AS REQUIRED TO PREVENT PONDING. MINOR SWALES MAY BE NECESSARY TO DIVERT UPSTREAM STORMWATER AROUND DISPOSAL AREA.
 5. THE ON-SITE SEWER DISPOSAL SYSTEM MUST BE INSTALLED BY AN ADVANCED LICENSED INSTALLER.
 6. TTL IS NOT RESPONSIBLE FOR METHODS OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR, OR FOR SAFETY PRECAUTIONS INCIDENT TO THE WORK OF THE CONTRACTOR, OR FOR ANY FAILURE OF THE CONTRACTOR TO COMPLY WITH LAWS, RULES, REGULATIONS, ORDINANCES, OR CODES APPLICABLE TO THE CONTRACTOR FURNISHING AND PERFORMING THE WORK.
 7. UNLESS OTHERWISE INDICATED ON THE PLANS, ALL CONSTRUCTION ACTIVITIES, CONSTRUCTION MATERIALS, AND LABOR SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE ALABAMA DEPARTMENT OF PUBLIC HEALTH.
 8. SEPTIC TANK SHALL CONFORM TO THE SPECIFICATIONS OF THE STATE OF ALABAMA DEPARTMENT OF PUBLIC HEALTH.
 9. ALL RISERS SHALL BE ONE RISE TO CONFORM WITH SITE ELEVATIONS.
 10. RISERS HEIGHT ON ALL TANKS SHALL BE ADJUSTED AS REQUIRED FOR GRADE ELEVATIONS.
 11. AN INSPECTION BY THE ENGINEER IS REQUIRED BY THE HEALTH DEPARTMENT FOR FINAL APPROVAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING TTL AT LEAST 48 HOURS PRIOR TO BACKFILLING THE SYSTEM FOR INSTALLATION APPROVAL.

DESIGN CRITERIA AND RECOMMENDATIONS:

DESIGN FLOW:
610 SEATS @ 5 GPD / SEAT = 3,050 GPD

EDF DESIGN:
3,050 GPD / 0.550 FT / GPD = 6,100 SQ FT
6,100 SQ FT / 3' WIDE TRENCH = 2,034 LF OF CONVENTIONAL GRAVEL TRENCH
2,034 LF OF CONVENTIONAL GRAVEL TRENCH - 40% BY REDUCTION PRODUCT = 1,220 LF OF INFILTRATOR QUICK 4 LP FIELD LINE

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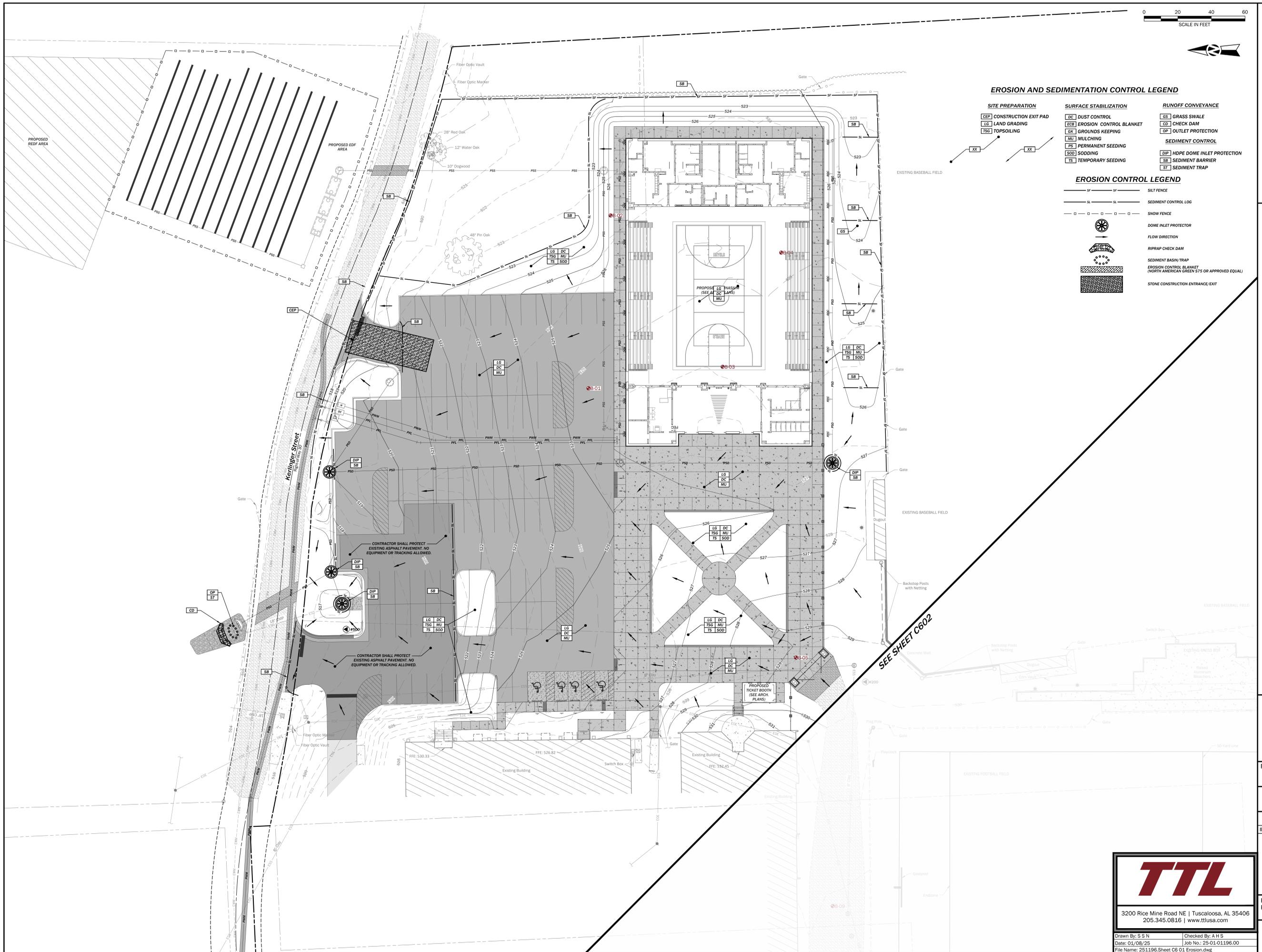
ON-SITE SEWER PLAN

C503

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EROSION AND SEDIMENTATION CONTROL LEGEND

- | | | |
|---------------------------|------------------------------|--------------------------------|
| SITE PREPARATION | SURFACE STABILIZATION | RUNOFF CONVEYANCE |
| CEP CONSTRUCTION EXIT PAD | DC DUST CONTROL | GS GRASS SWALE |
| LG LAND GRADING | ECB EROSION CONTROL BLANKET | CD CHECK DAM |
| TSG TOPSOILING | GK GROUNDS KEEPING | OP OUTLET PROTECTION |
| | MU MULCHING | SEDIMENT CONTROL |
| | PS PERMANENT SEEDING | DIP HDPE DOME INLET PROTECTION |
| | SOD SODDING | SB SEDIMENT BARRIER |
| | TS TEMPORARY SEEDING | ST SEDIMENT TRAP |

EROSION CONTROL LEGEND

- | | |
|--------|--|
| — SF — | SILT FENCE |
| — SL — | SEDIMENT CONTROL LOG |
| — S — | SNOW FENCE |
| | DOME INLET PROTECTOR |
| | FLOW DIRECTION |
| | RIPRAP CHECK DAM |
| | SEDIMENT BASIN/TRAP |
| | EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S75 OR APPROVED EQUAL) |
| | STONE CONSTRUCTION ENTRANCE/EXIT |

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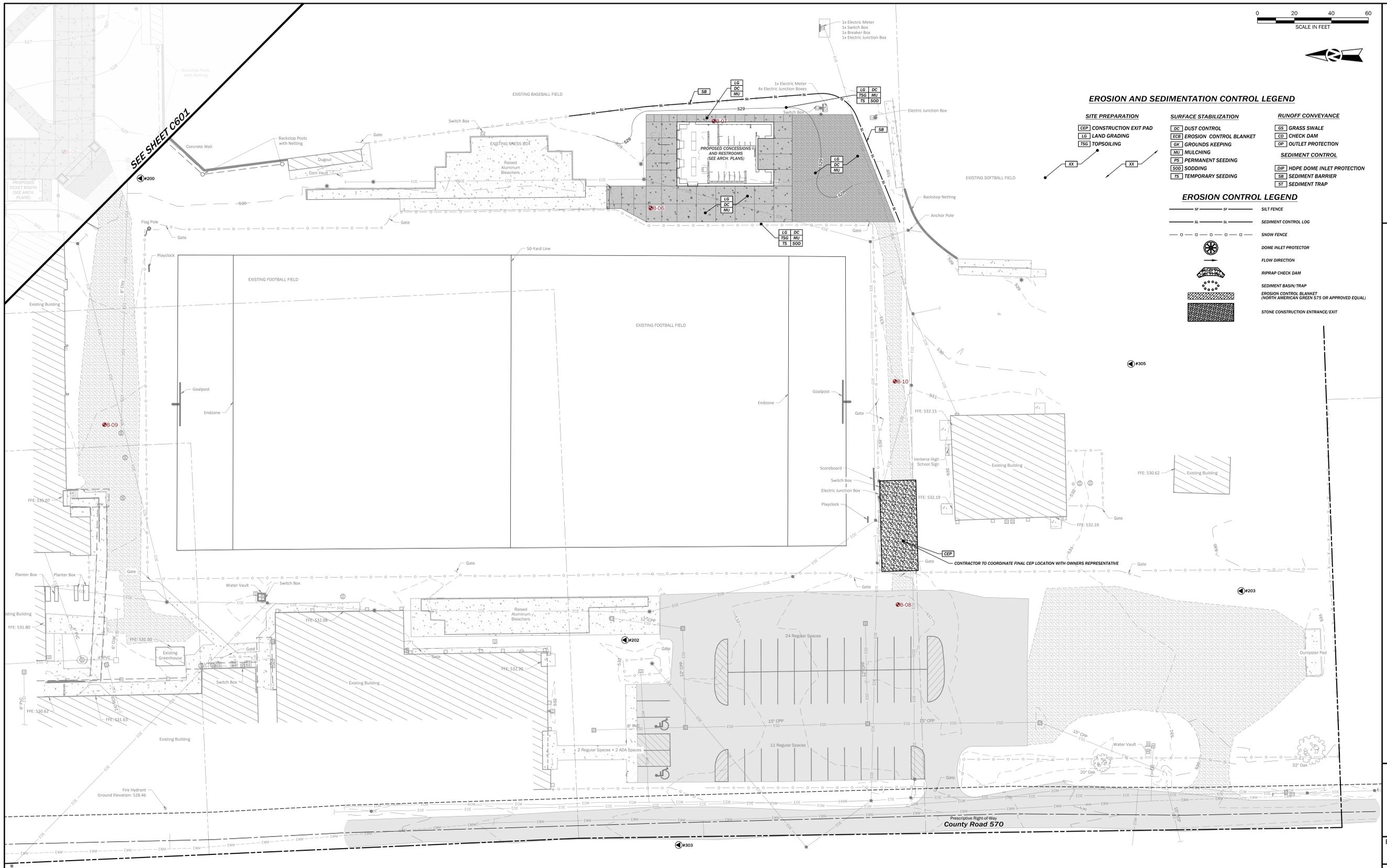
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EROSION CONTROL PLAN
C601

SEE SHEET C602



EROSION AND SEDIMENTATION CONTROL LEGEND

- | | | |
|---------------------------|------------------------------|--------------------------------|
| SITE PREPARATION | SURFACE STABILIZATION | RUNOFF CONVEYANCE |
| CEP CONSTRUCTION EXIT PAD | DC DUST CONTROL | GS GRASS SWALE |
| LG LAND GRADING | ECB EROSION CONTROL BLANKET | CD CHECK DAM |
| TSG TOPSOILING | GK GROUNDS KEEPING | OP OUTLET PROTECTION |
| | MU MULCHING | SEDIMENT CONTROL |
| | PS PERMANENT SEEDING | DIR HDPE DOME INLET PROTECTION |
| | SOD SODDING | SB SEDIMENT BARRIER |
| | TS TEMPORARY SEEDING | ST SEDIMENT TRAP |

EROSION CONTROL LEGEND

- | | |
|--------|--|
| — SF — | SILT FENCE |
| — SL — | SEDIMENT CONTROL LOG |
| — S — | SNOW FENCE |
| | DOME INLET PROTECTOR |
| | FLOW DIRECTION |
| | RIPRAP CHECK DAM |
| | SEDIMENT BASIN/TRAP |
| | EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S75 OR APPROVED EQUAL) |
| | STONE CONSTRUCTION ENTRANCE/EXIT |

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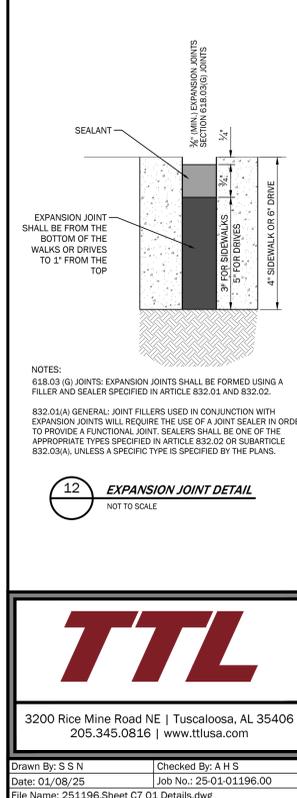
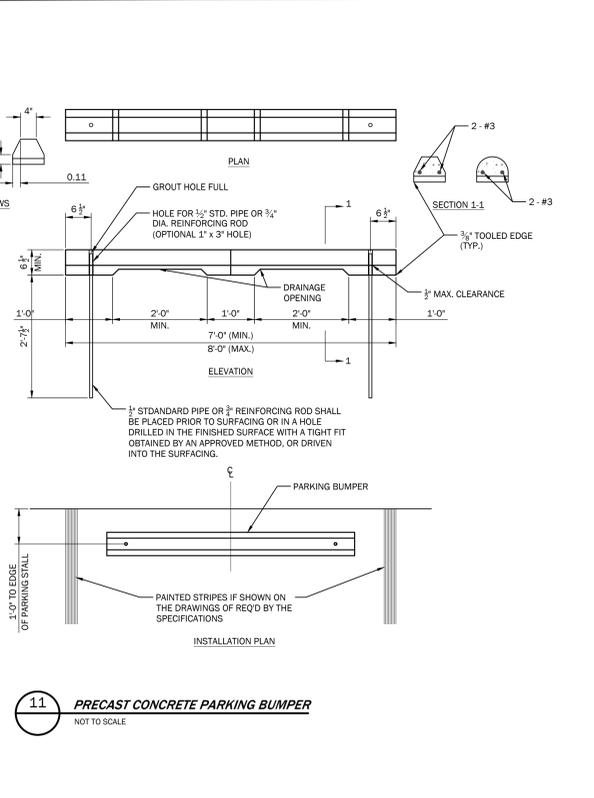
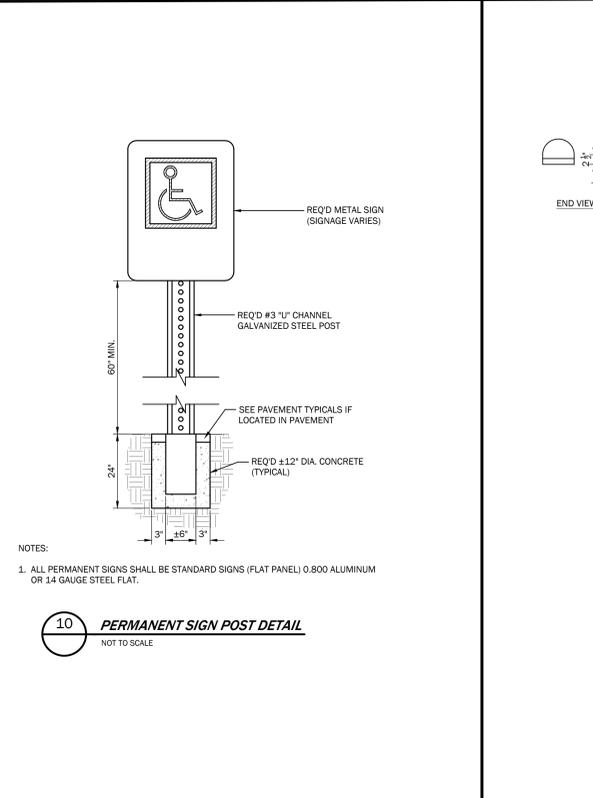
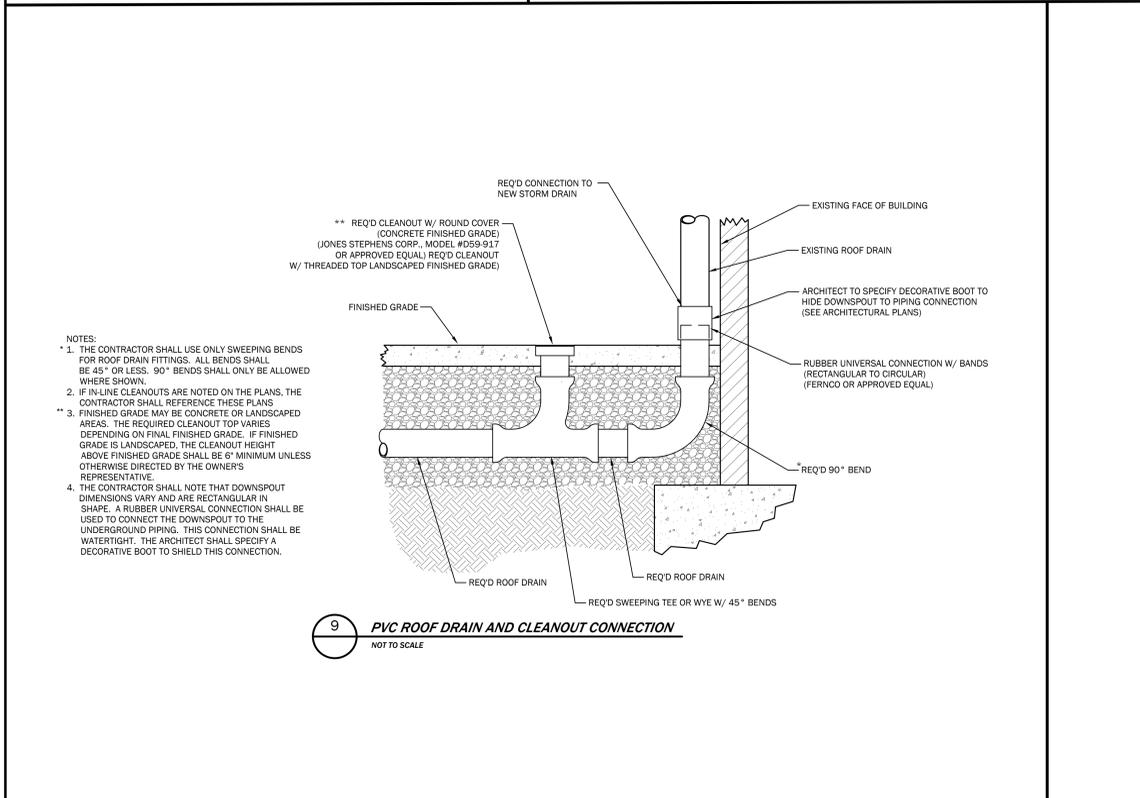
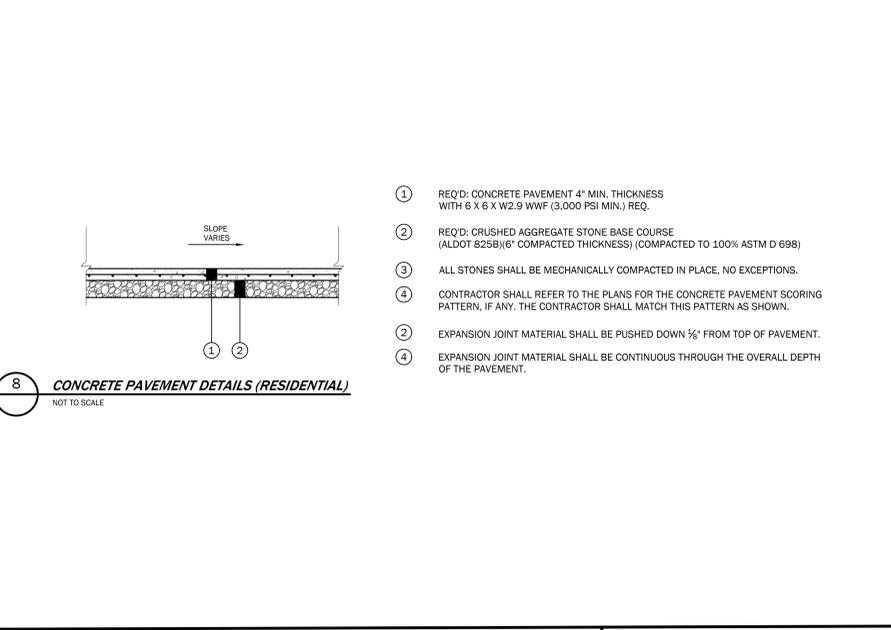
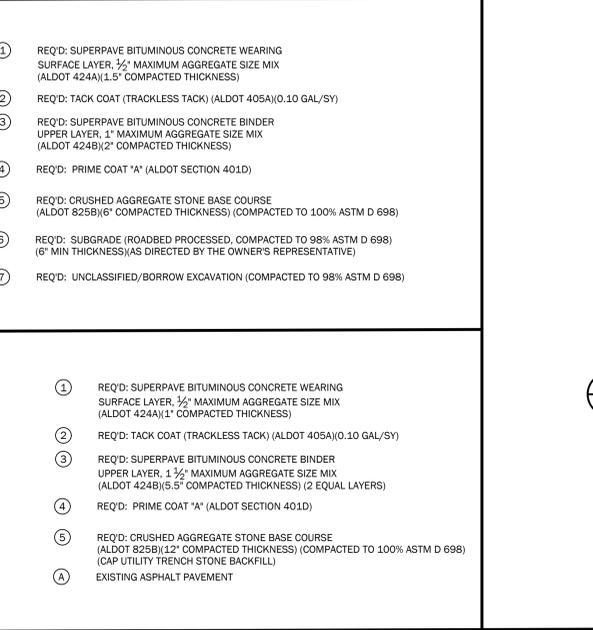
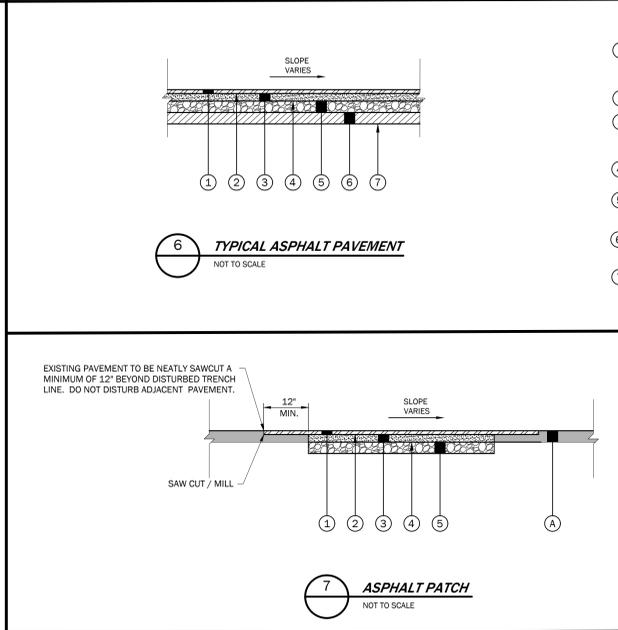
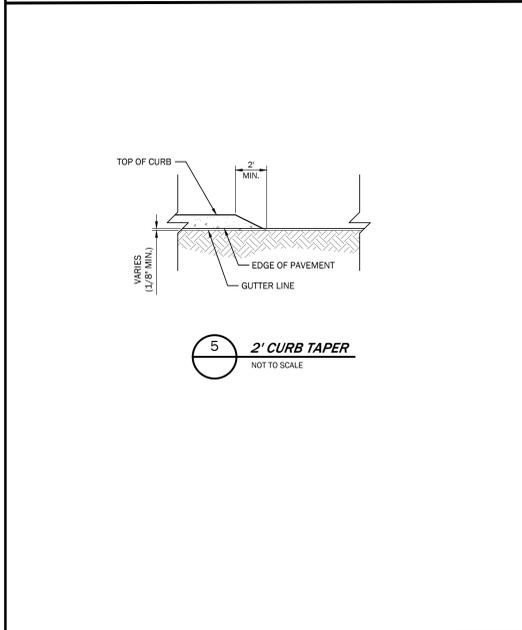
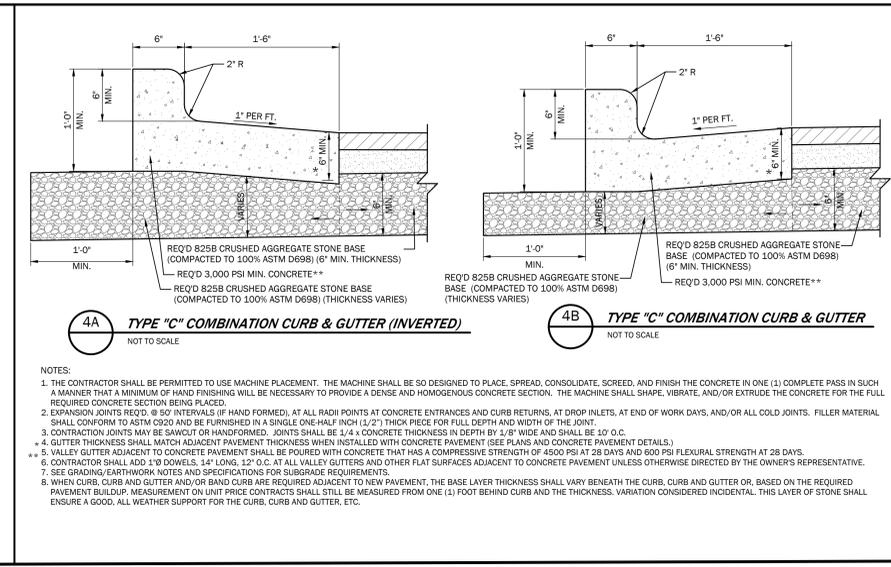
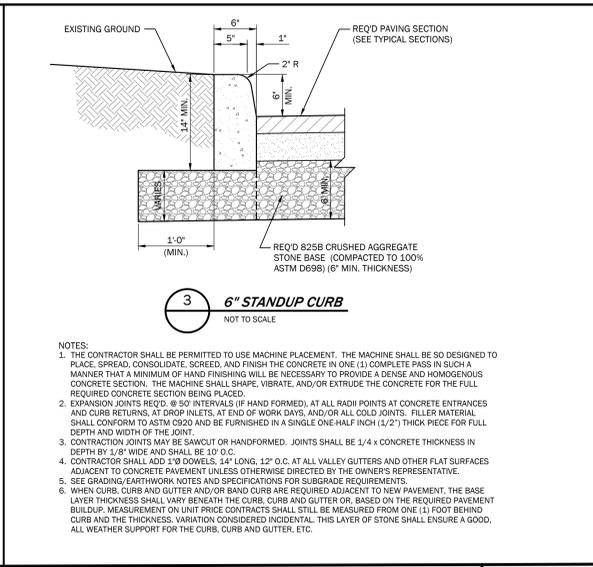
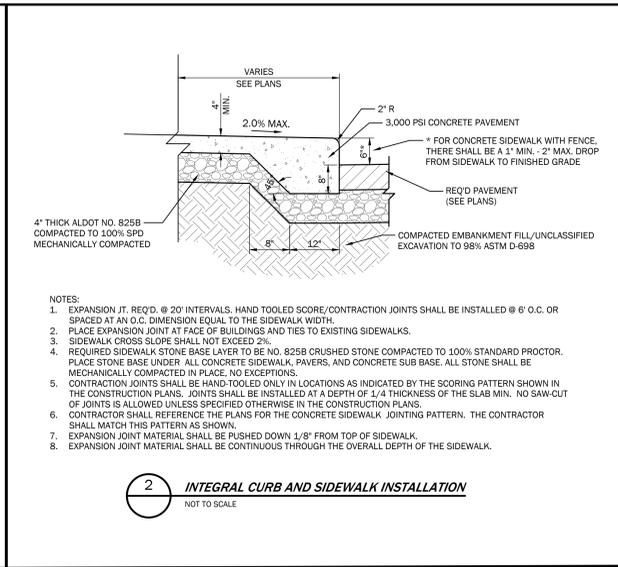
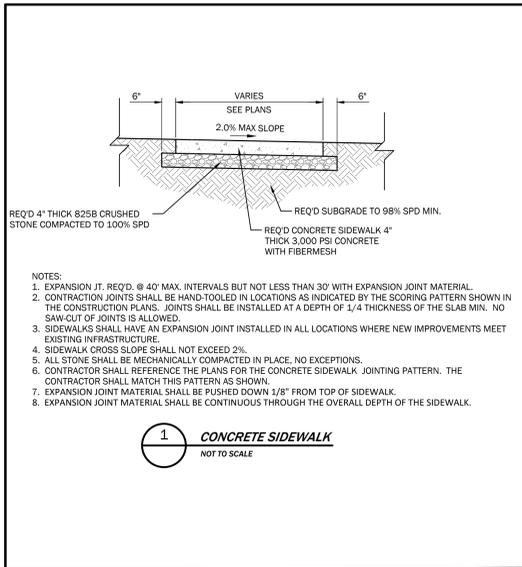
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EROSION CONTROL PLAN
C602



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TAMM H. STRAUGH

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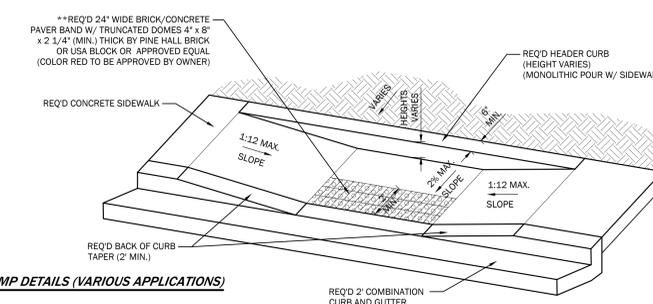
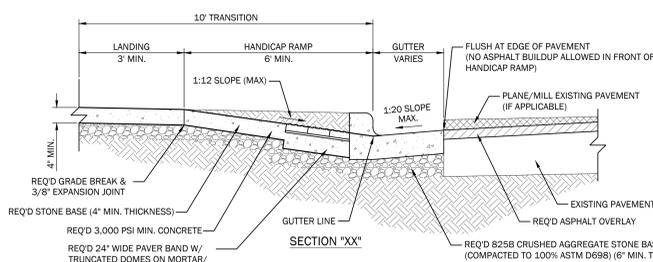
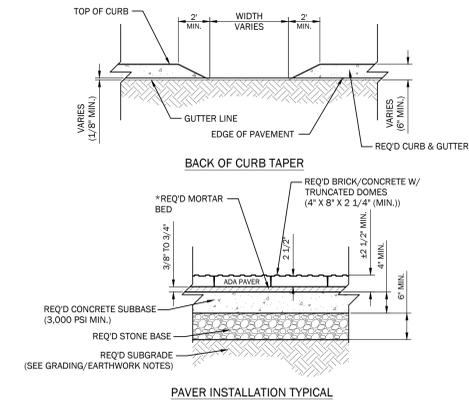
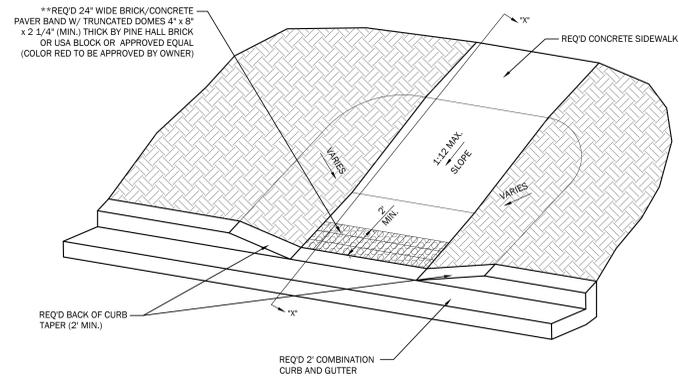
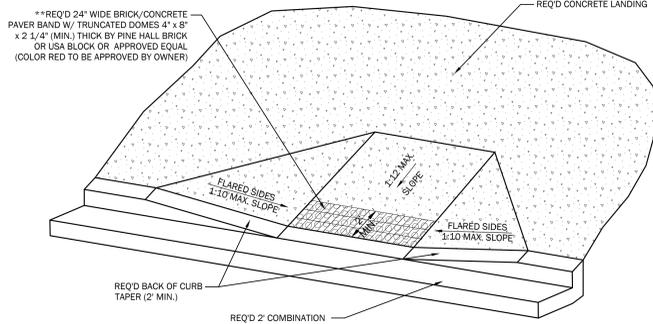
STANDARD DETAILS

C701

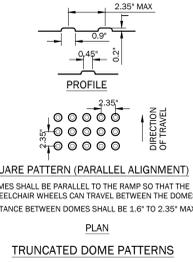
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- NOTES:
- CURB RAMP LENGTH DEPENDS ON THE HEIGHT OF CURBING.
 - THE CONTRACTOR MUST MEET TRUNCATED DOME PATTERN DIMENSIONS ON ALL HANDICAP RAMPS AS SHOWN IN THE DETAIL.
 - WHEN INSTALLING THE BRICK PAVERS THE CONTRACTOR SHALL USE THE 3/8" MORTAR/ GROUT BED WITH SAND SWEEP JOINT INSTALLATION METHOD SUITABLE FOR HIGH TRAFFIC AND DRIVE OVERS BY TURNING VEHICLES. SAND COLOR SHALL MATCH PAVERS.
 - CONTRACTOR SHALL ACCOUNT FOR PAVEMENT THICKNESS AND MORTAR/ GROUT BED THICKNESS TO ENSURE THAT AFTER INSTALLATION OVER THE CONCRETE SUBBASE THERE IS A FLUSH TRANSITION WITH THE BACK OF THE CONCRETE GUTTER.
 - CONTRACTOR SHALL INSTALL AN ON-SITE SAMPLE HANDICAP RAMP AREA (MIN. 2' X 6') TO VERIFY THE BRICK, MORTAR AND SAND COLOR AND ESTABLISH THE QUALITY STANDARD FOR PAVEMENT INSTALLATION AND CONCRETE INSTALLATION THROUGHOUT THE PROJECT.
 - REQUIRED SIDEWALK STONE BASE LAYER TO BE NO. 8910 OR DENSE GRADE BASE COMPACTED TO 100% STANDARD PROCTOR. PLACE STONE BASE UNDER ALL CONCRETE SIDEWALK AND PAVERS AND CONCRETE SUB BASE.
 - THE USE OF TRUNCATED DOME MATS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE IN ADVANCE OF ITS USE. INSTALLATION WITHOUT PRIOR APPROVAL SHALL RESULT IN REMOVAL/REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR SHALL SUBMIT AN ACTUAL BRICK PAVEMENT SAMPLE DURING MATERIAL SUBMITTALS.



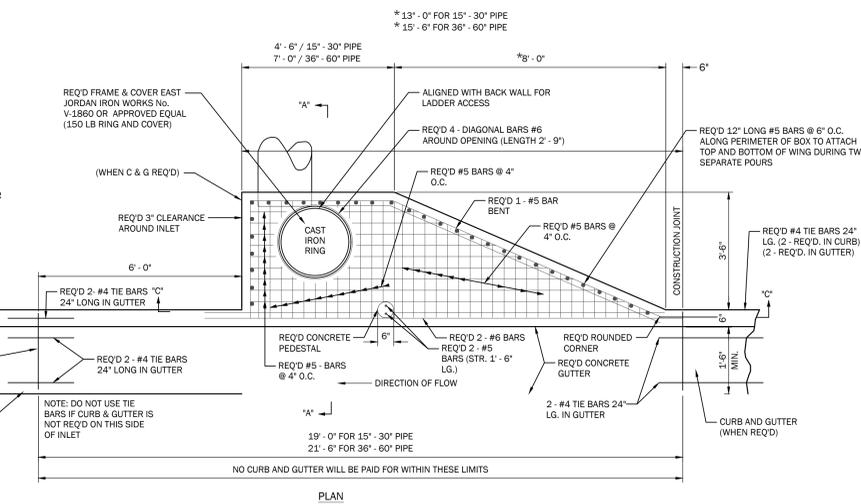
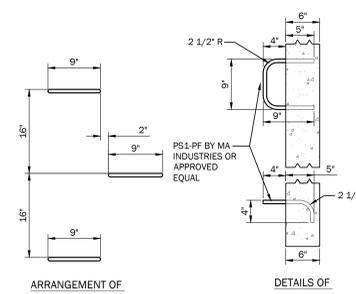
1 HANDICAP RAMP DETAILS (VARIOUS APPLICATIONS)
NOT TO SCALE

A MINIMUM OF (3) THREE LADDER BARS ARE REQ'D. IN ALL INLETS. WHERE DEPTH IS GREATER THAN 4'-0". NUMBER AND LOCATION OF LADDER BARS IN INLET TO BE AS DIRECTED BY THE ENGINEER.

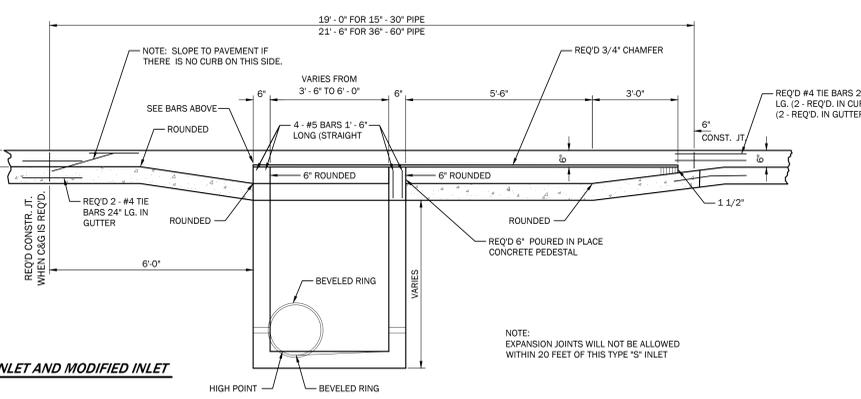
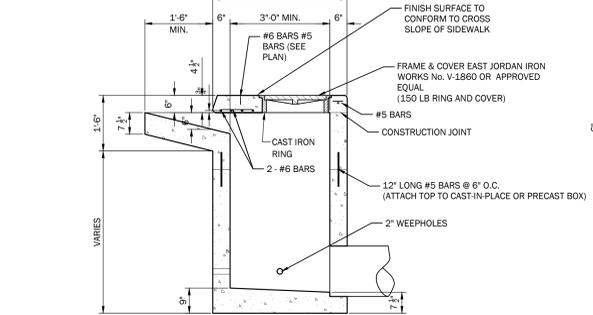
NOTE TO CONTRACTOR: CONCRETE PEDESTAL SHALL BE POURED IN PLACE. ROUND FORM MAY BE CONSTRUCTED OF METAL, PLASTIC OR OTHER APPROVED SUITABLE MATERIAL. A 6" DIA. PIPESHELL FILLED WITH CONCRETE WILL NOT BE APPROVED.

PIPE CONNECTIONS: PIPE MAY CONNECT WITH INLETS FROM ANY DIRECTION AND AS MANY CONNECTIONS MAY BE MADE AS NECESSARY.

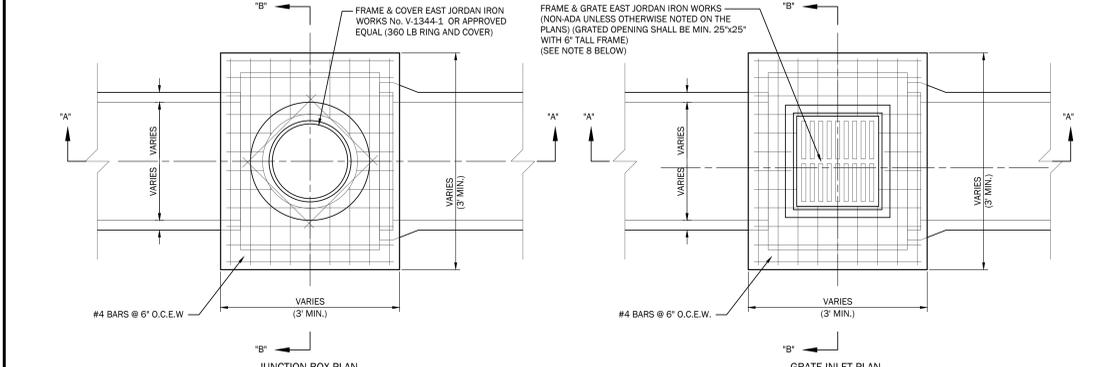
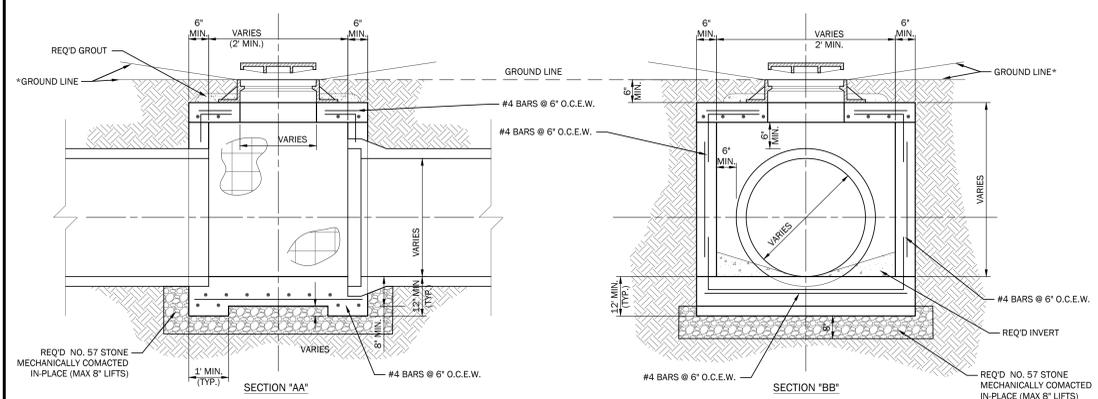
NOTE: EXPANSION JOINTS WILL NOT BE ALLOWED WITHIN 20 FEET OF THIS TYPE 'S' INLETS.



- GENERAL NOTES:
- WHERE DIRECTION OF FLOW IS FROM EACH END OF INLET, SIDEWALK OPENINGS (AS SHOWN ON ONE SIDE ONLY ON THIS DRAWING) SHALL BE CONSTRUCTED AT EACH END OF INLET. FOR EACH INLET SO CONSTRUCTED, PAYMENT WILL BE MADE UNDER ITEM CURB INLETS TYPE S (TWO WINGS).
 - MINIMUM WEEP HOLES SHALL BE CONSTRUCTED IN INLETS AS DIRECTED BY THE ENGINEER TO FACILITATE SUBGRADE DRAINAGE.
 - TO ACCOMMODATE SKEWED PIPE OR FIT OTHER CONDITIONS, IT MAY BE NECESSARY TO INCREASE ONE OR BOTH PLAN VIEW DIMENSIONS OF INLET BOX. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CORRESPONDING INCREASE IN MATERIALS AND OTHER COST WHERE CHANGES IN DIMENSIONS ARE REQUIRED. THE FINISHED S-INLET TOP SHALL REFLECT THE DIMENSIONS SHOWN. LARGER JUNCTION BOXES SHALL HAVE A SOLID TOP WITH THE S-INLET CURB TOP CAST ON TOP OF IT. THIS IS TO MINIMIZE IMPACT ON THE FINISHED SURFACE AND MAINTAIN A CONSISTENT SIZE TOP THROUGHOUT THE PROJECT.
 - #5 BARS SHALL BE INSET INTO CAST-IN-PLACE OR DOWELED INTO PRECAST BOXES (WITH APPROVED EPOXY) TO PROVIDE ATTACHMENT FOR CAST-IN-PLACE TOP.
 - DIMENSIONS SHALL VARY ON MODIFIED INLET AS SHOWN IN CONSTRUCTION PLANS AT ON-STREET PARKING BAYS.
 - RING AND COVER SHALL BE ALIGNED WITH WALL FOR ACCESS TO LADDER BARS.
 - IF THE CONTRACTOR CHOOSES TO USE A STANDARD PRECAST MANHOLE FOR THE DRAINAGE STRUCTURE, THEN HE SHALL REFERENCE THE STANDARD PRECAST DETAIL FOR ALL REQUIREMENTS, STONE BEDDING, ETC.



2 TYPE 'S' (CURB) INLET AND MODIFIED INLET
NOT TO SCALE



- NOTES FOR ALL CONCRETE STORM DRAIN STRUCTURES:
- USE MIN. 3000 P.S.I. CONCRETE AND DEFORMED REINFORCING STEEL TO CONSTRUCT THIS ITEM.
 - SHAPE BOTTOM TO FLOW LINE OF PIPES.
 - STEPS ARE REQUIRED FOR ALL STRUCTURES OVER 4 FEET IN DEPTH MEASURED FROM TOP OF BOX TO INVERT OUT.
 - ALL CONCRETE BOXES SHALL INCLUDE FORMED INVERTS AND RING AND COVERS OF THE TYPE SPECIFIED.
 - GROUND LINE SHALL BE SLOPED TOWARD GRADE INLET TOP. GROUND LINE SHALL BE SLOPED AWAY FROM JUNCTION BOX TOP.
 - THE CONTRACTOR SHALL REFER TO SPECIAL DRAWING NO. JB-620-B OF THE ALDOT SPECIAL AND STANDARD DRAWINGS, LATEST EDITION, FOR DIMENSIONS AND OTHER INFORMATION NECESSARY TO CONSTRUCT THIS ITEM.
 - WHEN INSTALLING A SOLID TOP FOR JUNCTION BOX OR HOLED TOP FOR GRADE INLET ON AN EXISTING STRUCTURE, THE CONTRACTOR SHALL DOWEL INTO THE TOP OF THE EXISTING STRUCTURE WALLS WITH 12" LONG #5 BARS AT 6" O.C. ALONG THE PERIMETER OF THE STRUCTURE TO ATTACH THE NEW TOP. THE CONTRACTOR SHALL APPLY AN APPROVED EPOXY FOR THE DOWEL INSTALLATIONS. THE TOP REINFORCEMENTS SHALL THEN BE TIED TO THESE DOWELS. PREPARATION OF THE EXISTING CONCRETE SHALL FOLLOW THE CONCRETE SPECIFICATIONS.
 - FRAME SHALL BE EIW MODEL V5626-2 & GRATE SHALL BE EIW MODEL 15726, OR APPROVED EQUAL.
 - IF THE CONTRACTOR CHOOSES TO USE A STANDARD PRECAST MANHOLE FOR THE DRAINAGE STRUCTURE, THEN HE SHALL REFERENCE THE STANDARD PRECAST MANHOLE DETAIL FOR ALL REQUIREMENTS.

3 JUNCTION BOX & GRATE INLET
NOT TO SCALE



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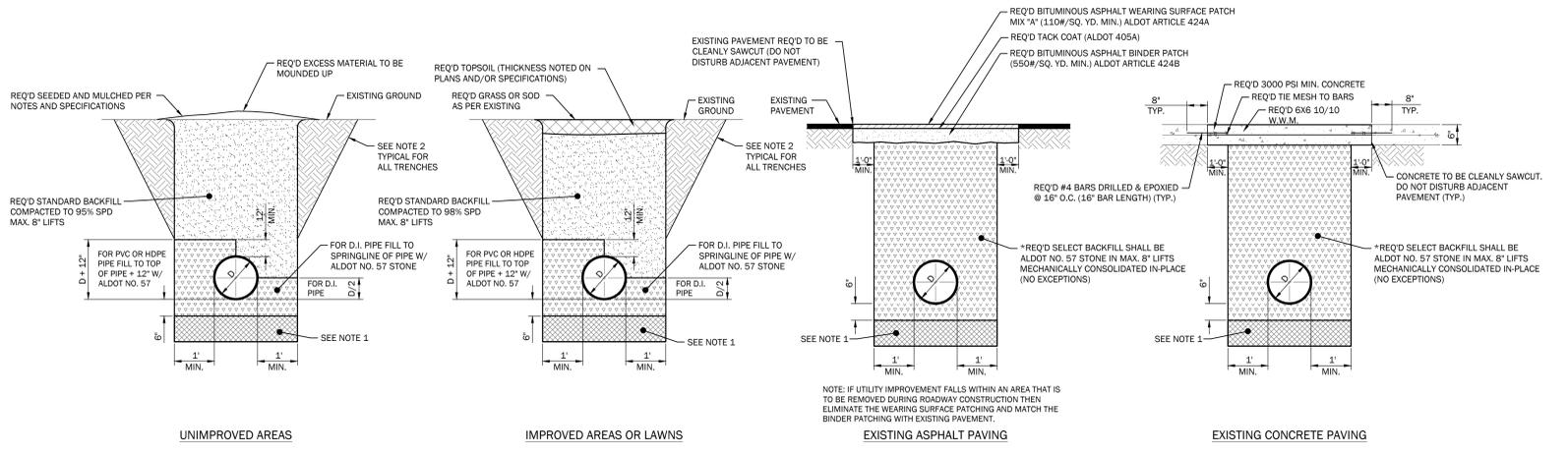
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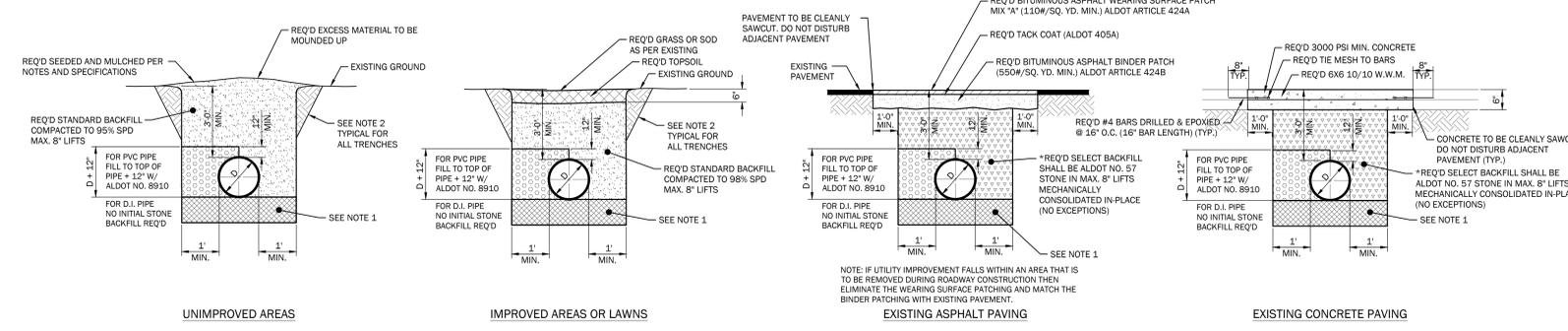
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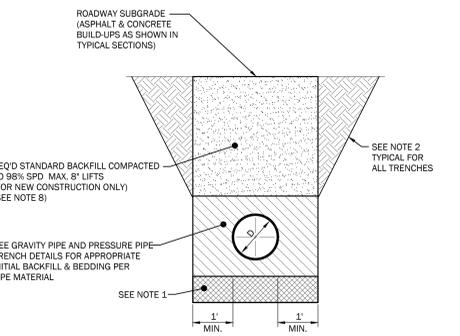


1 TRENCH DETAILS - GRAVITY PIPE (SANITARY AND STORM)
NOT TO SCALE

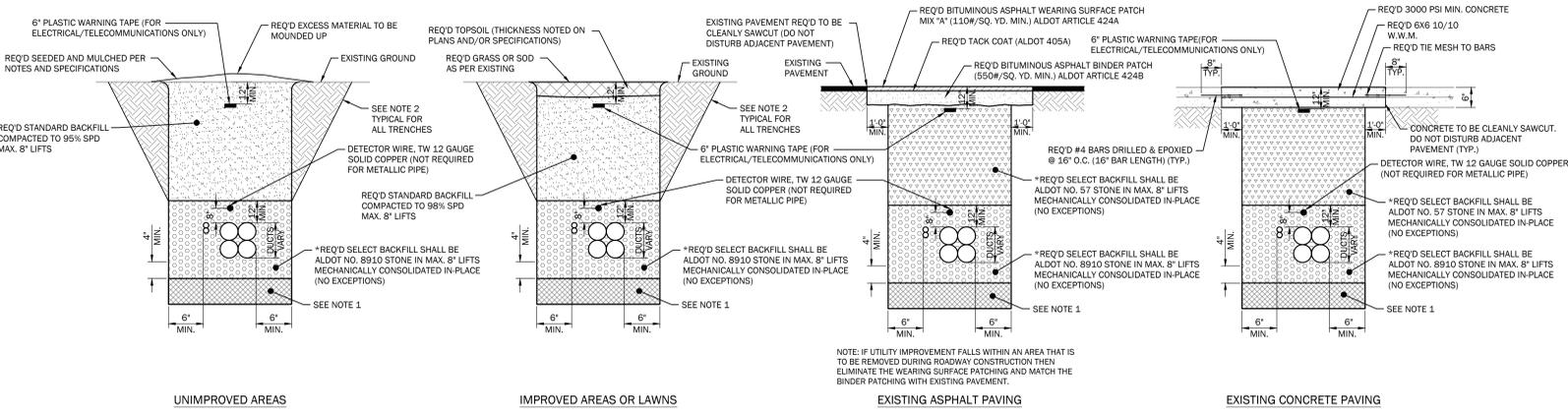
- TRENCH DETAIL NOTES**
- TRENCH FOUNDATION REQUIRED IF DIRECTED BY THE ENGINEER. DEPTH VARIES.
 - THERE IS NO ADDITIONAL PAY FOR TRENCH LAY BACK, BENCHING, SHORING, TRENCH BOXES, ETC. THIS IS CONSIDERED A SUBSIDIARY OBLIGATION TO THE UTILITY INSTALLATION.
 - THE CONTRACTOR SHALL MECHANICALLY CONSOLIDATE ALL STONE BACKFILL IN MAXIMUM 8" LIFTS AS NOTED. FAILURE TO DO SO SHALL RESULT IN THE STONE BEING REMOVED/REINSTALLED AT THE CONTRACTOR'S EXPENSE OR ONLY PARTIAL PAYMENT BEING MADE FOR THE BID ITEM. STONE SHALL BE PLACED IN APPROPRIATE THICKNESS AND COMPACTED IN THE FOLLOWING SEQUENCE:
 - BEDDING (6" MIN.)
 - SPRINGLINE OF PIPE
 - ONE FOOT ABOVE TOP OF PIPE
 - 8" LIFTS FOR REMAINING TRENCH DEPTH
 - UNIMPROVED AREAS SHALL BE CONSIDERED AREAS WHERE NO PREVIOUS DEVELOPMENT HAS OCCURRED AND THE AREA IS NOT MAINTAINED REGULARLY SUCH AS A WOODED/FORRESTED AREA OR OPEN FIELD.
 - IMPROVED AREAS OR LAWNS SHALL BE CONSIDERED AREAS WHERE REGULAR MAINTENANCE OCCURS SUCH AS IN PUBLIC RIGHT-OF-WAYS AND ON PRIVATE PROPERTIES. SETTLEMENT OF ANY KIND IN THESE AREAS IS UNACCEPTABLE AND MAXIMUM EFFORT SHALL BE GIVEN TO ENSURE THE IMPROVED/LANDSCAPE AREAS ARE RETURNED TO THEIR PREVIOUS STATE, UNLESS FURTHER IMPROVED BY THE PROJECT.
 - PAVEMENT AREAS (ASPHALT OR CONCRETE) SHALL BE CONSIDERED ANY ROADWAY, DRIVE, SIDEWALK, PAVERS, PARKING LOT, ETC. WHERE THE EXISTING OR FINAL FINISH GRADE IS AN ASPHALT OR CONCRETE SURFACE.
 - THE OWNER'S REPRESENTATIVE'S DETERMINATION OF WHAT IS AN UNIMPROVED AREA, IMPROVED AREA, OR PAVEMENT AREA IS FINAL. IF THE CONTRACTOR IS UNSURE OF WHERE UNIMPROVED, IMPROVED, OR PAVED AREAS ARE LOCATED ON A PROSPECTIVE PROJECT, THEN THEY SHALL REQUEST CLARIFICATION DURING THE BIDDING OF THE PROJECT. THERE SHALL BE NO CLAIMS CONSIDERED AFTER THE PROJECT HAS BEEN BID.
 - IN AREAS OF EXISTING PAVEMENT, THE TRENCH SHALL BE BACKFILLED COMPLETELY WITH STONE AS SHOWN ON THE EXISTING PAVEMENT TRENCH DETAILS. THESE AREAS INCLUDE CROSSING OF EXISTING ROADWAYS, PARKING LOTS, SIDEWALKS, ETC., AND ARE AREAS WHERE EXCAVATED WIDTHS DO NOT ALLOW FOR COMPACTION AND TESTING OF STANDARD BACKFILL. THESE CONFINED AREAS TYPICALLY CANNOT BE BENCHED BACK AND REQUIRE TALLER TRENCH BOXES TO MAINTAIN OSHA REQUIREMENTS.
 - IF NECESSARY, BENCHING OF SIDE SLOPES AS REQUIRED IN THE PROJECT EARTHWORK SPECIFICATIONS (BENCHING IS REQUIRED ON SLOPES GREATER THAN 4:1 SLOPE), THEN THE CONTRACTOR MAY FOLLOW THE TRENCH DETAIL FOR PAVED AREAS (NEW CONSTRUCTION). THIS DETAIL ALLOWS FOR THE USE OF EARTHEN BACKFILL AND WOULD ALSO REQUIRE THE CONTRACTOR TO ALLOW SUFFICIENT WIDTH THAT THE OWNER'S GEOTECHNICAL REPRESENTATIVE COULD TAKE PERIODIC COMPACTION TESTS. IF THE CONTRACTOR IS UNSURE OF WHERE STONE OR EARTHEN BACKFILL IS TO BE INSTALLED ON A PROSPECTIVE PROJECT, THEN THEY SHALL REQUEST CLARIFICATION DURING THE BIDDING OF THE PROJECT. THERE SHALL BE NO CLAIMS CONSIDERED AFTER THE PROJECT HAS BEEN BID.



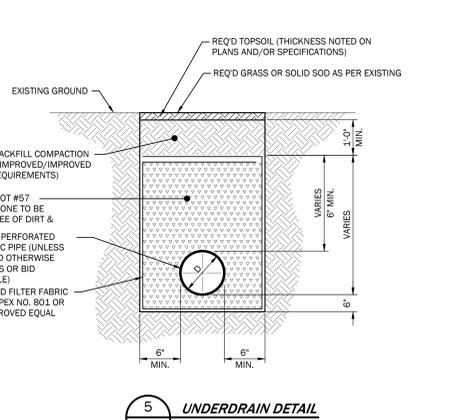
2 TRENCH DETAILS - PRESSURE PIPE
NOT TO SCALE



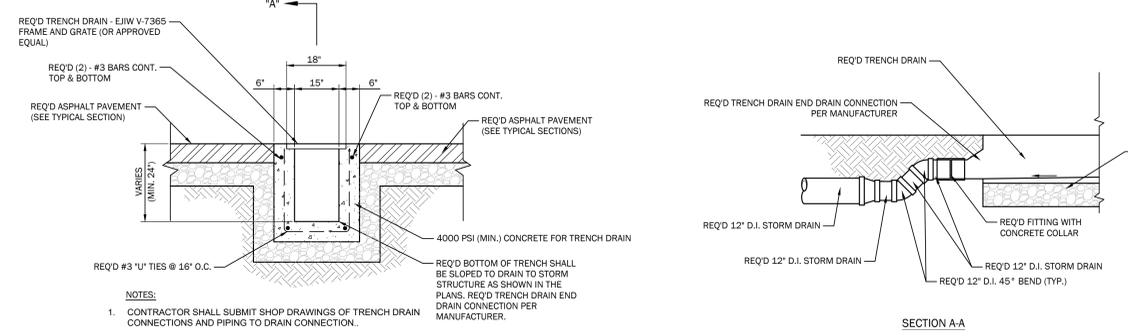
3 TRENCH DETAIL - PAVED SURFACES (NEW CONSTRUCTION)
NOT TO SCALE



4 TRENCH DETAILS - UTILITY CONDUIT/DUCT BANK
NOT TO SCALE



5 UNDERDRAIN DETAIL
NOT TO SCALE



6 TRENCH DRAIN (STORM STRUCTURE NO. 3-2)
NOT TO SCALE

- TRENCH DETAIL NOTES:**
- THESE TRENCH DETAILS AND TRENCH DETAIL NOTES APPLY TO ALABAMA POWER, AT&T, COMCAST, AND CITY OF TUSCALOOSA LIGHTING/TELECOMMUNICATION UTILITIES.

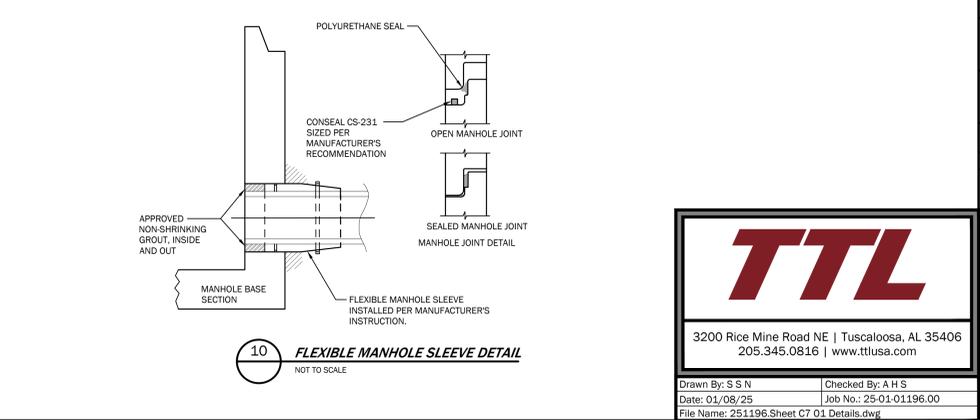
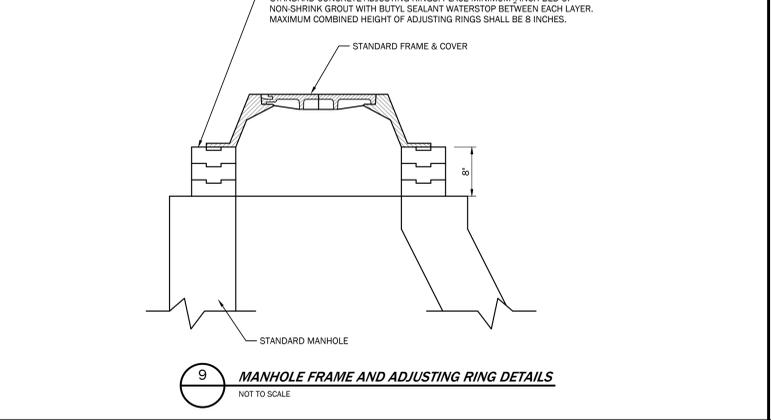
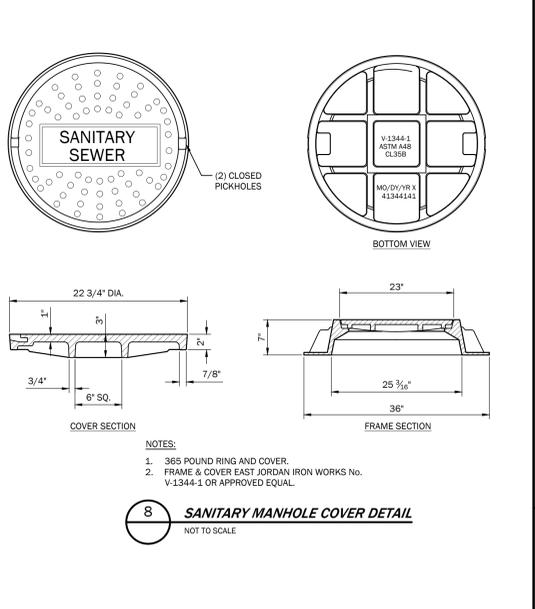
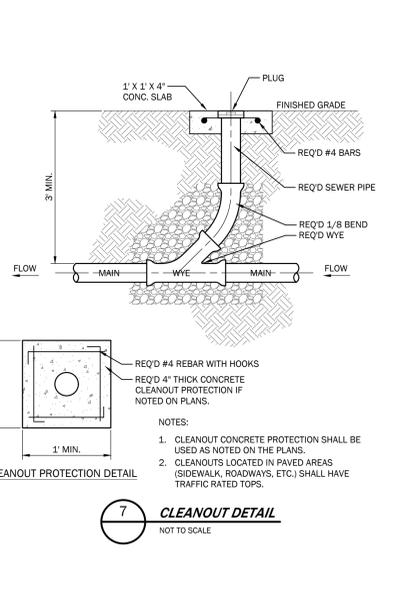
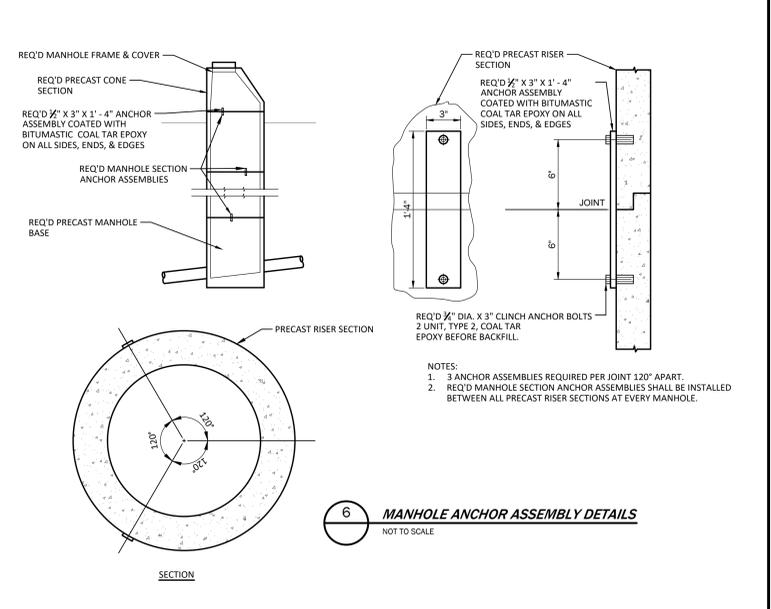
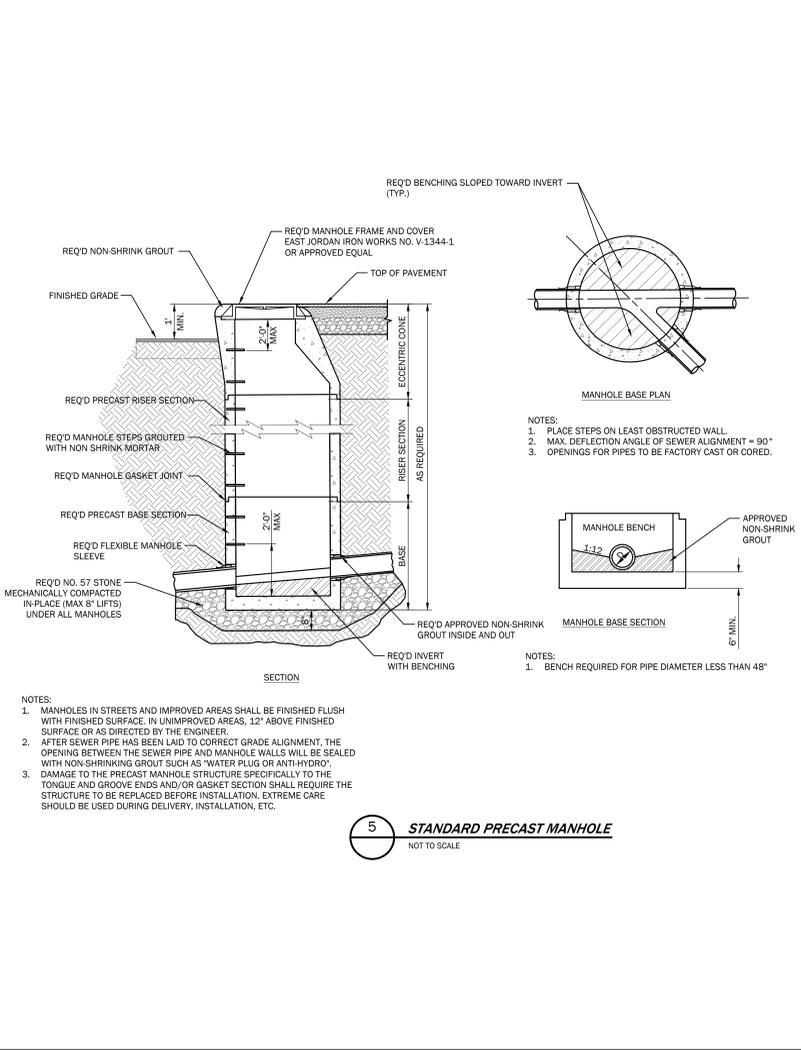
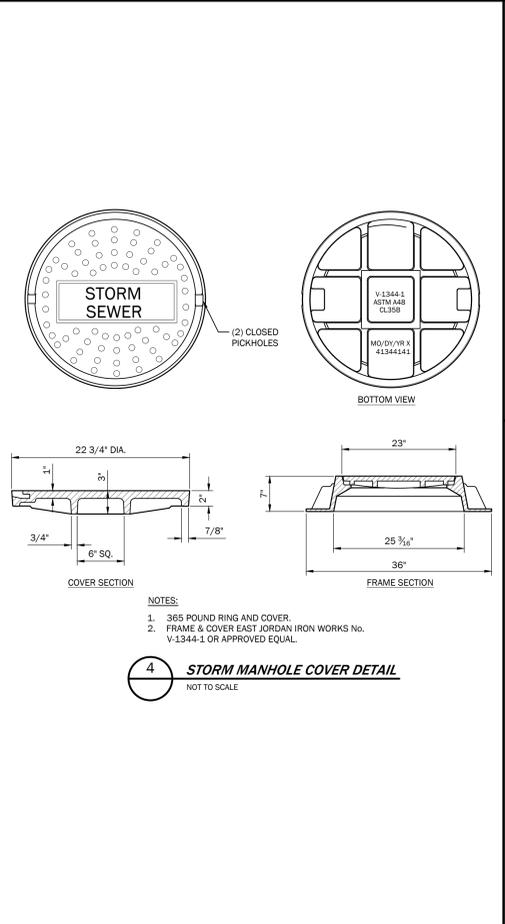
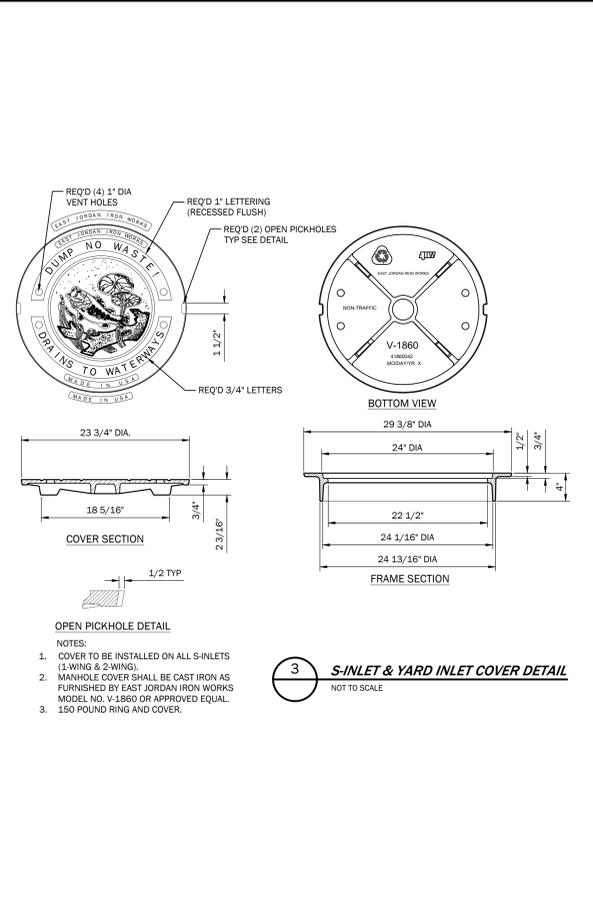
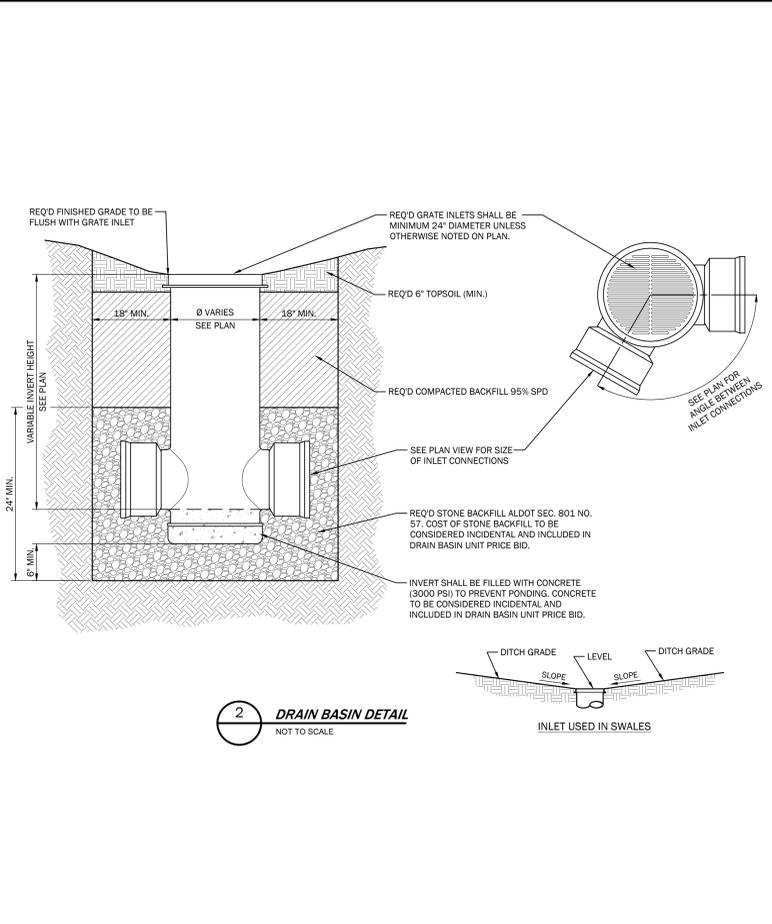
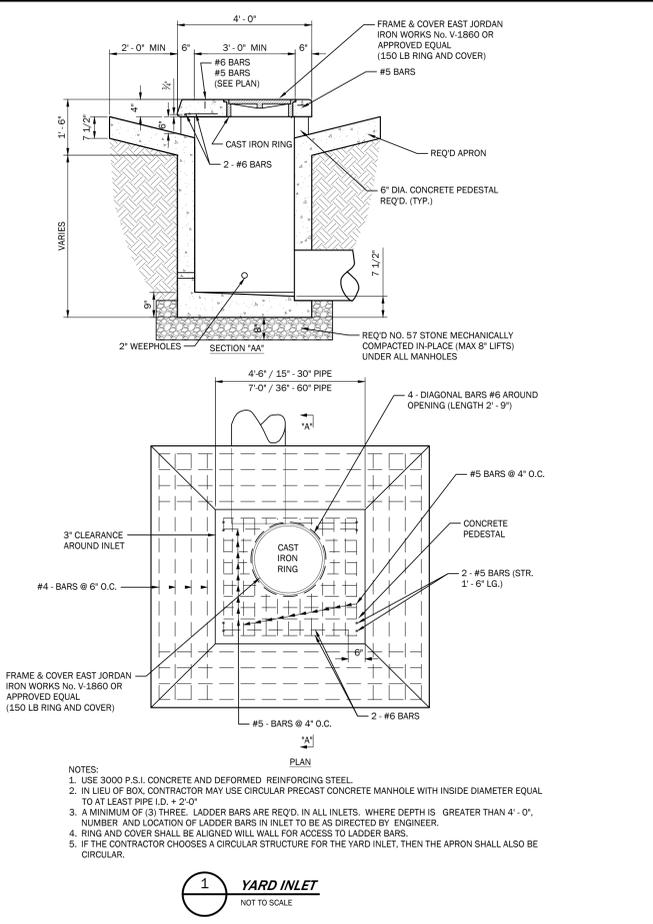


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1705 LAY DAM ROAD, CLANTON, AL 35045

LABAMA LICENSED PROFESSIONAL ENGINEER
No. 53482
ATLANTA H. STRAUGH

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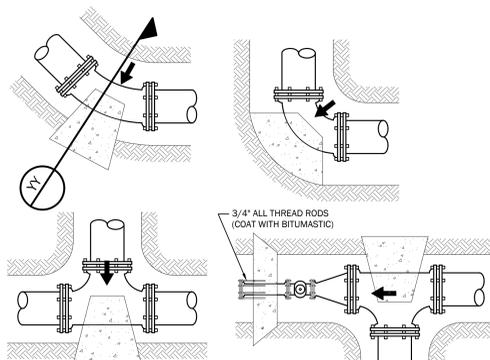


TABLE 'A'
BEARING AREA FOR THRUST BLOCKS SHALL BE ADJUSTED TO MATCH FIELD CONDITIONS ENCOUNTERED.

DIA. (IN.)	TEE, WYE, PLUG, GAP	MINIMUM BEARING AREA OF THRUST BLOCKS (SQ. FT.)			
		90° BEND PLUGGED CROSS	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1.3	2.0	1.0	—	—
6	2.8	4.0	2.0	1.0	1.0
8	4.8	6.8	3.7	1.9	1.4
10	7.3	10.3	5.5	2.8	2.0
12	10.3	14.5	7.8	4.0	2.7
14	13.8	19.5	10.6	5.4	3.7
16	17.8	25.2	13.6	6.9	5.5
18	22.4	31.7	17.1	8.7	6.4
20	27.5	38.9	21.0	10.7	7.7
24	39.2	55.4	30.0	15.3	10.9
30	60.3	85.3	46.2	23.5	16.9
36	86.4	122.2	66.1	33.7	22.8
42	116.6	164.9	89.3	45.5	29.7
48	152.0	214.9	116.3	59.3	37.6
54	192.0	271.6	147.0	74.9	47.6

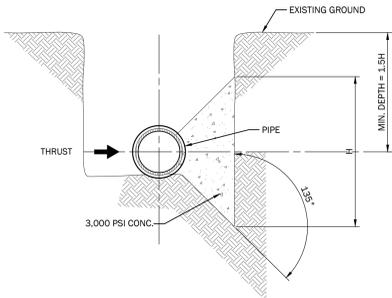
MINIMUM REQUIRED BEARING AREA FOR CONCRETE THRUST BLOCKS

HORIZONTAL

FITTING SIZE	BEND ANGLE		
	45° BEND	22 1/2° BEND	11 1/4° BEND
4	1.1	0.4	0.2
6	2.7	1.0	0.4
8	4.0	1.5	0.7
10	6.0	2.3	0.9
12	8.5	3.2	1.3
14	11.5	4.3	1.8
16	14.8	5.6	2.3

VERTICAL

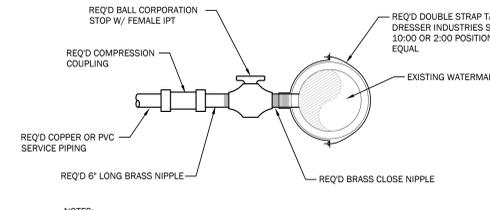
FITTING SIZE	ROD SIZE	EMBEDMENT SIZE
12" and less	6	30"
14" - 16"	8	36"



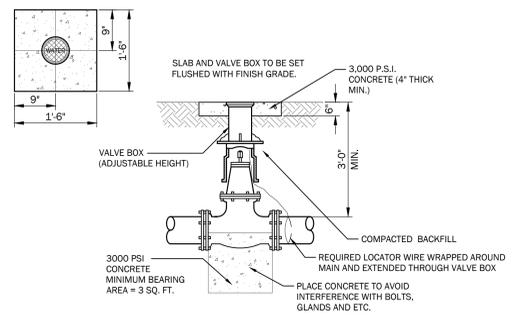
YY TYP. SECTION @ THRUST BLOCKS
NOT TO SCALE

- NOTES:**
- THRUST BLOCKING SHALL BE POURED AGAINST UNDISTURBED EARTH.
 - CONCRETE SHALL BE KEPT CLEAR OF JOINT AND JOINT ACCESSORIES.
 - BEARING AREA OF THRUST BLOCKS ARE BASED ON 150 PSI TEST PRESSURE AND AN ALLOWABLE SOIL BEARING OF 2000 PSF. BEARING AREA VALUES SHALL BE ADJUSTED IF THE SPECIFICATIONS REQUIRE A DIFFERENT TEST PRESSURE OR ALLOWABLE SOIL BEARING. PROVIDE ADDITIONAL AREA IF DICTATED BY THE CONDITIONS ACTUALLY ENCOUNTERED.
 - ANY SPECIAL THRUST BLOCKING DETAILS ON THE PLANS SHALL SUPERSEDE THIS DETAIL.
 - VERTICAL BENDS THAT REQUIRE A THRUST BLOCK VOLUME GREATER THAN 5 C.Y. REQUIRE SPECIAL BLOCKING DETAILS.
 - ALL PRESSURE PIPE 3 INCHES IN DIAMETER AND OVER SHALL BE PROVIDED WITH CONCRETE THRUST RESTRAINTS.

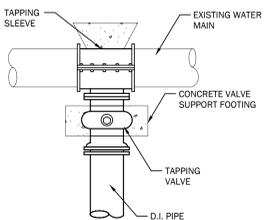
1 THRUST BLOCKING DETAILS & NOTES
NOT TO SCALE



2 WATER SERVICE CONNECTION @ WATERMAIN
NOT TO SCALE

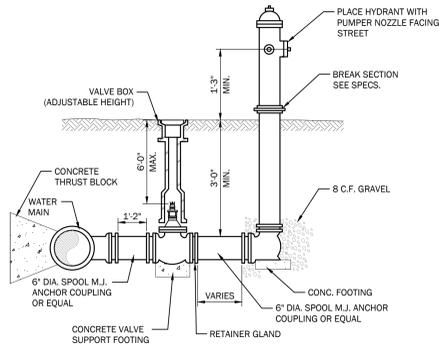


3 GATE VALVE AND BOX DETAIL
NOT TO SCALE



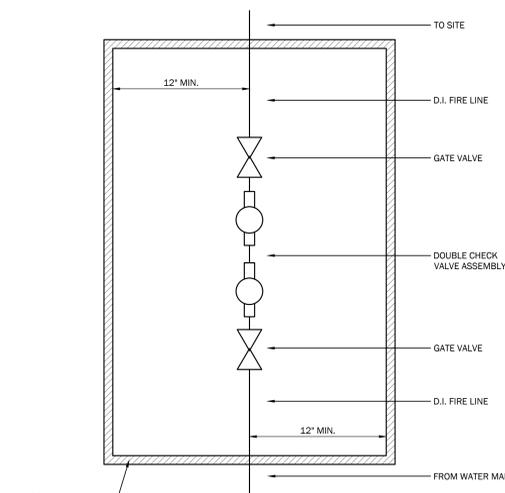
- NOTES:**
- PAYMENT FOR HOT TAP SHALL INCLUDE TAPPING SADDLE, TAPPING VALVE, CONCRETE SUPPORTS, AND LABOR NECESSARY TO COMPLETE TAP.

4 HOT TAP DETAIL
NOT TO SCALE



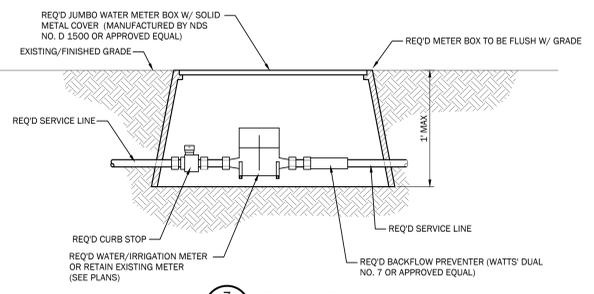
- NOTES:**
- PLACE CONCRETE TO AVOID INTERFERENCE WITH BOLTS, GLANDS, ETC.

5 FIRE HYDRANT ASSEMBLY DETAIL
NOT TO SCALE



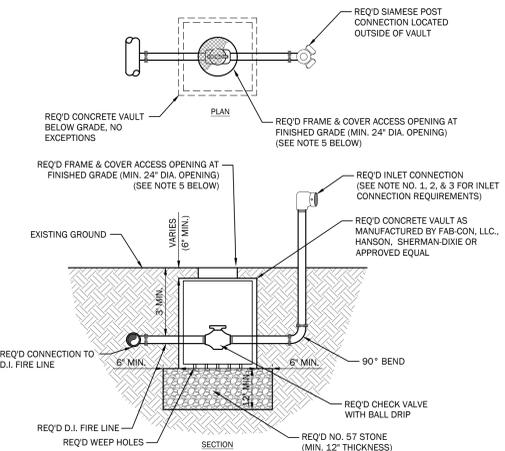
- NOTE:**
- THE CONTRACTOR SHALL ADJUST/RESET AS NECESSARY THE VAULT/METER BOX TO ENSURE IT IS FLUSH WITH THE FINAL LANDSCAPING AROUND IT. HIGH OR LOW VAULTS/BOXES SHALL NOT BE ACCEPTED.
 - THE TYPICAL SIZE VAULT FOR THE DETECTOR CHECK IS 3' x 5' OR 4' x 6'. THE OVERALL SIZE IS DICTATED BY THE DETECTOR CHECK SIZE.
 - THE DETECTOR CHECK VAULT SHALL BE INSTALLED ON NO. 57 STONE (MIN. 12" THICKNESS) AND HAVE WEEP HOLES TO DRAIN ANY WATER IN THE VAULT. THE VAULT MUST REMAIN DRY.

6 REQ'D DETECTOR CHECK ASSEMBLY
NOT TO SCALE



- NOTES:**
- IN VEGETATED AREAS, THE CONTRACTOR SHALL INSTALL A STANDARD JUMBO WATER METER BOX (13' x 20' x 12") WITH A SOLID METAL LID. LID TO BE OFW MODEL 15 OR APPROVED EQUAL.
 - ALL EXISTING GALVANIZED AND/OR LEAD WATER SERVICE LINES TO BE RETAINED SHALL BE REMOVED AND REPLACED WITH COPPER PIPING OR PVC (IF 2" OR LARGER DIAMETER) FROM THE WATER MAIN TO THE METER AND FROM THE METER TO THE R.O.W. THE EXISTING SERVICE TAP AT THE MAIN SHALL BE TURNED OFF AND PLUGGED.
 - ALL METERS SHALL HAVE A BACKFLOW PREVENTER INSTALLED IF ONE DOES NOT EXIST.
 - IN CONCRETE AREAS, THE CONTRACTOR SHALL INSTALL A BCF SERIES METER BOX (13' x 24' x 12") WITH A SOLID METAL LID OR APPROVED EQUAL.
 - THIS METER BOX IS TYPICAL FOR A ONE AND ONE-HALF INCH (1 1/2") AND SMALLER METERS. FOR 2" METERS LOCATED IN VEGETATED AREAS ONLY, INSTALL TWO (2) JUMBO METER BOXES, IN SUCCESSION, TO ACCOMMODATE THE METER, BACKFLOW PREVENTER, AND PRESSURE REDUCER VALVE. IN PAVED AREAS A 3' x 5' VAULT IS REQUIRED.

7 TYPICAL METER ASSEMBLY
NOT TO SCALE



- NOTES:**
- FIRE DEPARTMENT INLET CONNECTION THREADS SHALL BE TYPE NST.
 - FIRE DEPARTMENT INLET CONNECTION SHALL BE COVERED WITH BRASS PLUGS WHICH ARE CONNECTED TO THE INLET WITH CHAINS.
 - THE CONTRACTOR SHALL COORDINATE WITH THE LOCK MANUFACTURE TO ENSURE THAT THE LOCKS AND ANY ASSOCIATED KEYING SHALL BE INCLUDED IN THE COST OF THE SIAMESE CONNECTION. ANY LOCKS NOT MEETING THESE REQUIREMENTS WILL BE REPLACED AT NO ADDITIONAL COST TO THE PROJECT.
 - FIRE DEPARTMENT CONNECTION VAULT SHALL BE A REINFORCED CONCRETE VAULT AS MANUFACTURED BY FAB-CON, LLC OR APPROVED EQUAL.
 - ALL METERS SHALL HAVE A BACKFLOW PREVENTER INSTALLED IF ONE DOES NOT EXIST. THE SIAMESE POST SHALL BE INSTALLED IN THE VEGETATED AREA AND NOT OUT OF THE CONCRETE FIRE DEPARTMENT VAULT. THE VAULT SIZE SHALL BE AS SMALL AS NECESSARY TO INCREASE THE LANDSCAPED AREAS.
 - THE CHECK VALVE WITH BALL DRIP SHALL BE LOCATED IN THE CONCRETE VAULT ONLY.
 - SEE THRUST BLOCKING DETAILS AND NOTES FOR THRUST BLOCK REQUIREMENTS.
 - THE CONTRACTOR MAY SUBSTITUTE A VAULT WITH HINGED, STAINLESS STEEL OPENING (24" CLEAR) AND STAND PIPE STAND PIPE INCORPORATED INTO THE SAME TOP. A DETAILED SHOP DRAWING IS REQUIRED.
 - ALL VAULTS SHALL HAVE WEEP HOLES TO DRAIN, NO EXCEPTION.

8 SIAMESE CONNECTION DETAIL
NOT TO SCALE



BID SUBMITTAL

DATE: 01/08/25
PROJ NO: 25-032

REVISIONS

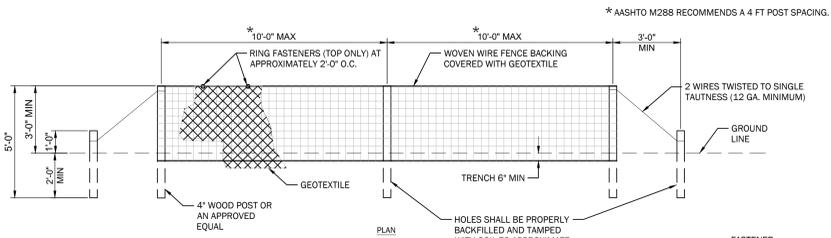
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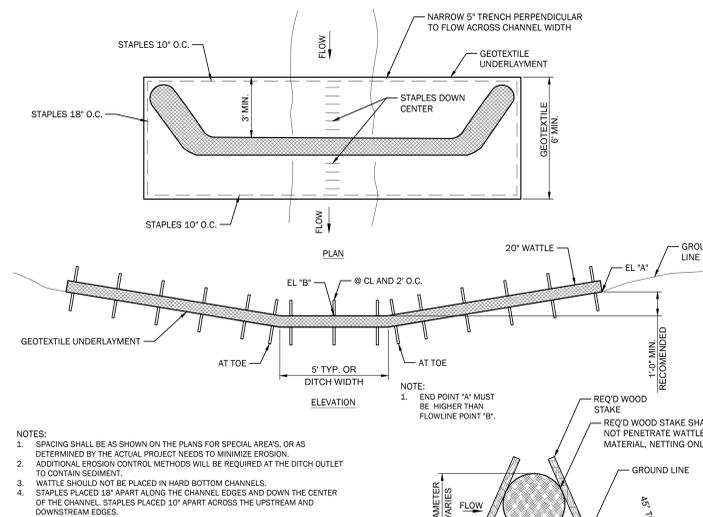
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STANDARD DETAILS
C705



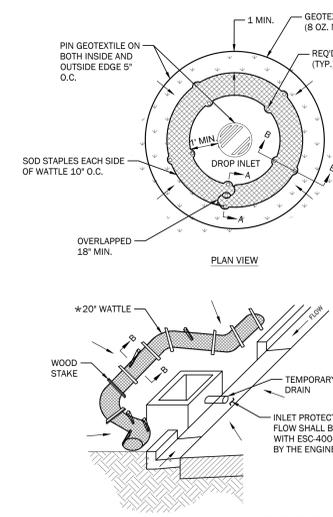
- NOTES:
- SILT FENCES ARE TEMPORARY EROSION CONTROL ITEMS, THAT SHALL BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
 - SILT FENCE SHOULD BE PLACED WELL INSIDE RIGHT OF WAY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A BACK UP FENCE IF FIRST BECOMES FULL. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION.
 - WHEREVER POSSIBLE SILT FENCES SHALL BE CONSTRUCTED ACROSS A FLAT AREA IN THE SHAPE OF A HORSESHOE. THIS AIDS IN PONING OF RUNOFF AND FACILITATES SEDIMENTATION.
 - AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
 - RING FASTENERS USED TO SECURE GEOTEXTILES TO WOVEN WIRE SHALL BE 13 GA. (AMERICAN).
 - IF WOOD POSTS ARE USED, STAPLES FOR SECURING WOVEN WIRE TO POSTS SHALL BE (9) GAUGE, GALVANIZED, 1-1/2" LONG, 5 PER POST AT APPROX. 1'-0" O.C.
 - WOVEN WIRE TO BE 14 GAUGE (MIN.), 6"x6".
 - MACHINE TRENCHED GEOTEXTILE SHALL BE TRENCHED VERTICAL AT LEAST 8" DEEP.
 - FOR J-HOOK APPLICATION AND INTERCEPTED FLOW PERPENDICULAR TO THE SLOPE CAUSING CONCENTRATED IMPOUNDMENT, A MAXIMUM POST SPACING SHOULD BE REDUCED TO 5 FT.

1 **SILT FENCE - TYPE "A"**
NOT TO SCALE



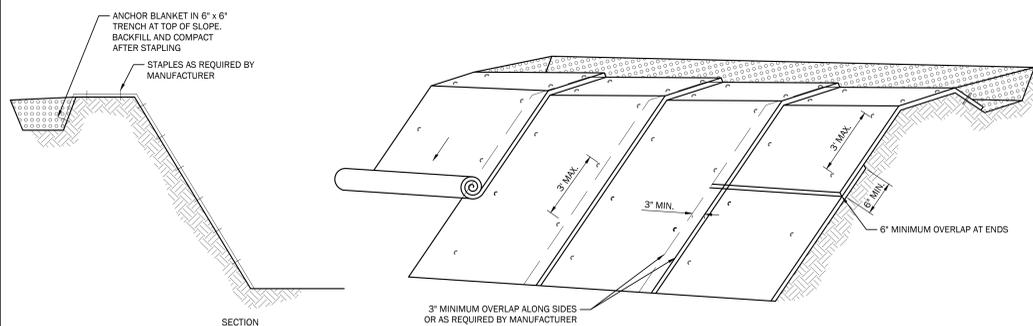
- NOTES:
- SPACING SHALL BE AS SHOWN ON THE PLANS FOR SPECIAL AREAS, OR AS DETERMINED BY THE ACTUAL PROJECT NEEDS TO MINIMIZE EROSION. ADDITIONAL EROSION CONTROL METHODS WILL BE REQUIRED AT THE DITCH OUTLET TO CONTAIN SEDIMENT.
 - WATTLE SHOULD NOT BE PLACED IN HARD BOTTOM CHANNELS.
 - STAPLES PLACED 18" APART ALONG THE CHANNEL EDGES AND DOWN THE CENTER OF THE CHANNEL. STAPLES PLACED 10" APART ACROSS THE UPSTREAM AND DOWNSTREAM EDGES.

2 **WATTLE DITCH CHECK**
NOT TO SCALE



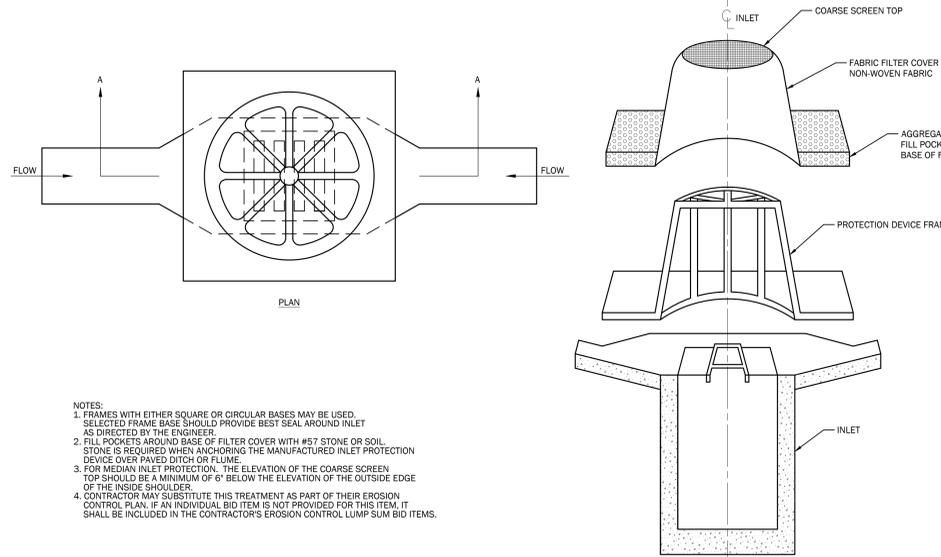
- NOTES:
- ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF TWO FEET.
 - OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (18" MIN, 3' MAX).
 - SILT FENCE OR SAND BAGS MAY ALSO BE USED FOR THIS APPLICATION. HAY BALES NOT ACCEPTABLE DURING THIS STAGE.

3 **WATTLE INLET PROTECTION**
NOT TO SCALE



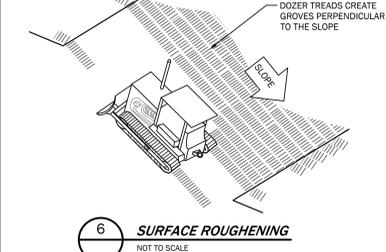
- NOTES:
- SLOPE SURFACE SHALL BE FREE OF ROCKS AND SOIL CLOUDS TO MAINTAIN GOOD SOIL CONTACT.
 - APPLY SEED, FERTILIZER, AND/OR LIME PRIOR TO THE INSTALLATION OF THE BLANKET.
 - STRIPS SHALL BE ROLLED OUT FLAT, PARALLEL TO DIRECTION OF FLOW WITHOUT BEING STRETCHED.
 - WHEN MULTIPLE STRIPS ARE REQUIRED TO COVER THE WIDTH OF THE SLOPE, THE SIDES SHALL OVERLAP A MINIMUM OF 3".
 - WHEN MULTIPLE STRIPS ARE REQUIRED TO COVER THE LENGTH OF THE SLOPE, THE ENDS SHALL OVERLAP A MINIMUM OF 6".
 - THE UPSLOPE END SHALL BE ANCHORED IN A 6" VERTICAL TRENCH AND BACKFILLED (NOTE: WHEN, IN THE OPINION OF THE QCP, CONDITIONS WARRANT, OTHER EDGES EXPOSED TO EXCESSIVE FLOW SHALL BE INSTALLED AS PREVIOUSLY SPECIFIED).
 - STAPLES SHALL BE U-SHAPED WIRE WITH A MINIMUM 11 GAUGE THICKNESS, AND THE LEGS SHALL BE AT LEAST 6" LONG WITH A 1" CROWN.
 - EACH STRIP SHALL BE STAPLED IN 3 ROWS, AT EDGES AND CENTER, WITH STAPLES SPACED NOT MORE THAN A 3 FOOT GRID.

4 **TEMPORARY EROSION CONTROL BLANKET**
NOT TO SCALE

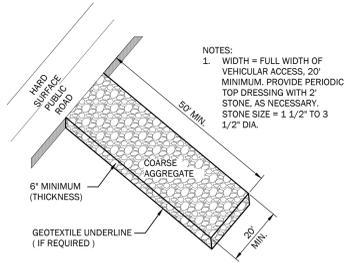


- NOTES:
- FRAMES WITH EITHER SQUARE OR CIRCULAR BASES MAY BE USED. SELECTED FRAME BASE SHOULD PROVIDE BEST SEAL AROUND INLET AS DIRECTED BY THE ENGINEER.
 - FILL POCKETS AROUND BASE OF FILTER COVER WITH #57 STONE OR SOIL. STONE IS REQUIRED WHEN ANCHORING THE MANUFACTURED INLET PROTECTION DEVICE OVER PAVED DITCH OR FLUME.
 - FOR MEDIAN INLET PROTECTION, THE ELEVATION OF THE COARSE SCREEN TOP SHOULD BE A MINIMUM OF 6" BELOW THE ELEVATION OF THE OUTSIDE EDGE OF THE INSIDE SHOULDER.
 - CONTRACTOR MAY SUBSTITUTE THIS TREATMENT AS PART OF THEIR EROSION CONTROL PLAN, IF AN INDIVIDUAL BID ITEM IS NOT PROVIDED FOR THIS ITEM, IT SHALL BE INCLUDED IN THE CONTRACTOR'S EROSION CONTROL LUMP SUM BID ITEMS.

5 **INLET PROTECTOR**
NOT TO SCALE

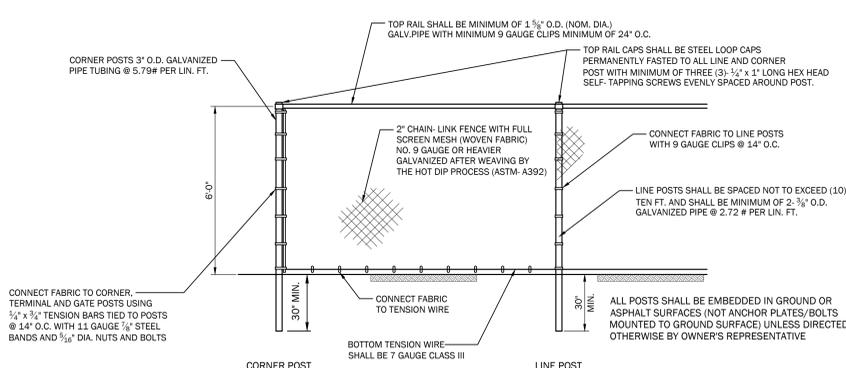


6 **SURFACE ROUGHENING**
NOT TO SCALE



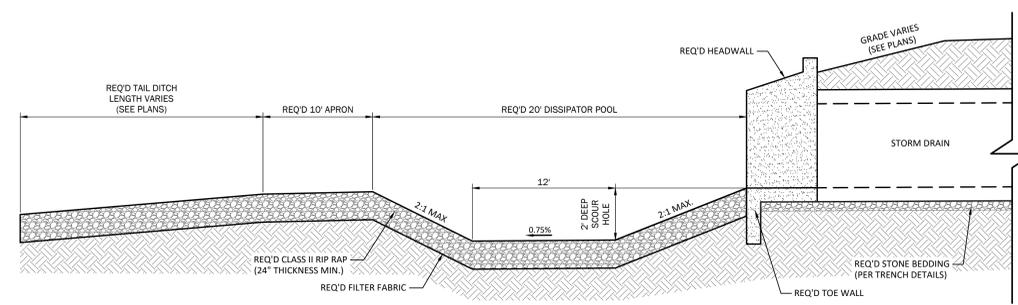
- NOTES:
- WIDTH = FULL WIDTH OF VEHICULAR ACCESS. 20' MINIMUM. PROVIDE PERIODIC TOP DRESSING WITH 2" STONE, AS NECESSARY. STONE SIZE = 1 1/2" TO 3 1/2" DIA.

7 **CONSTRUCTION ENTRANCE/EXIT PAD**
NOT TO SCALE



- NOTE:
- WHERE BREAKS IN PROFILE OF FENCE TOP ARE NECESSARY IN ROUGH TERRAIN THEY SHALL BE MADE IN THE LEAST NUMBER OF INTERVALS PRACTICAL. BREAKS SHALL BE SPREAD OVER VERTICAL CURVES OF SUFFICIENT LENGTHS TO ENSURE A PLEASING APPEARANCE.
 - FENCE SHALL BE SCREENED AS NOTED IF REQUIRED BY OWNER.

8 **TYPICAL TEMPORARY CONSTRUCTION FENCE DETAIL**
NOT TO SCALE



9 **RIPRAP ENERGY BASIN**
NOT TO SCALE

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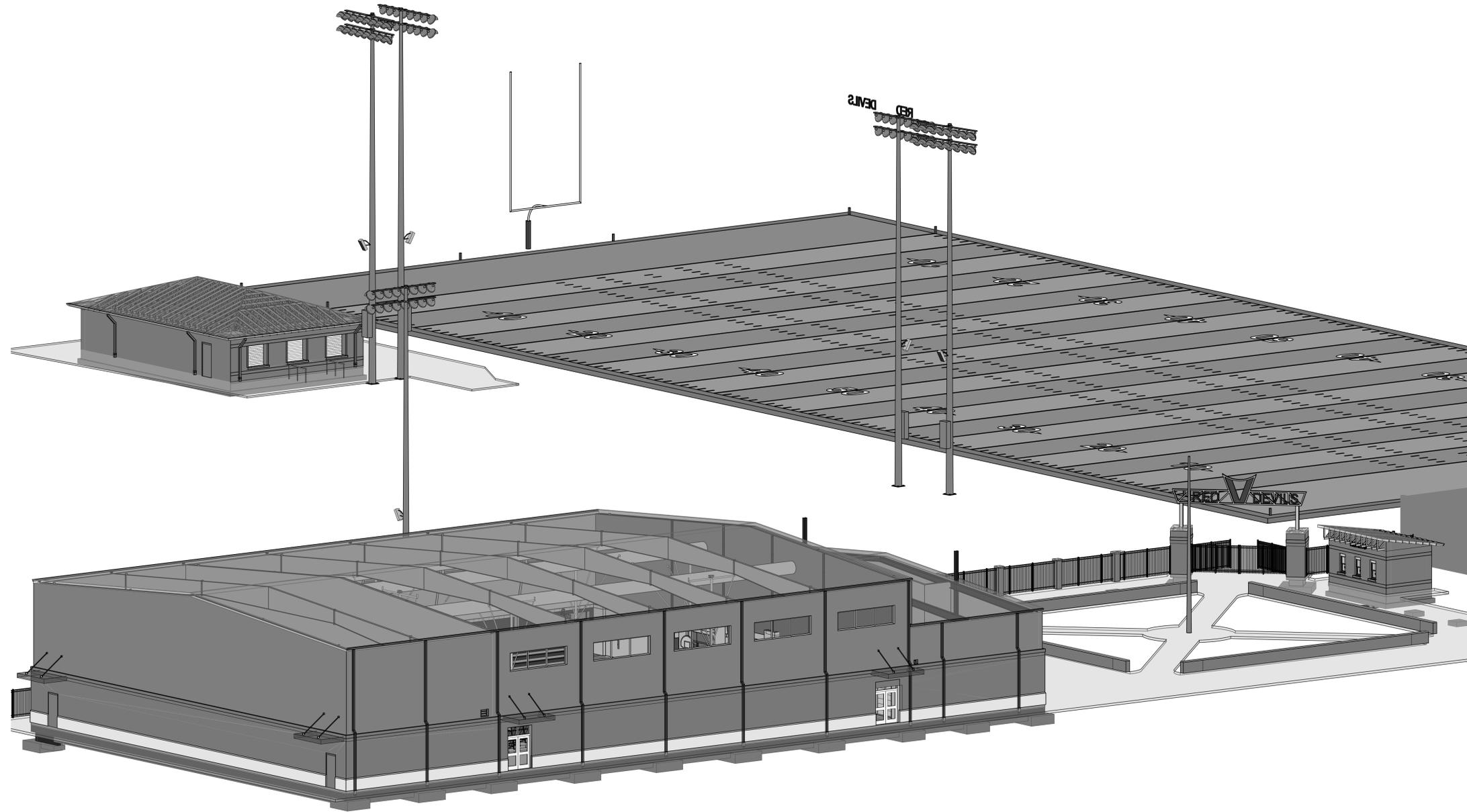
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STRUCTURAL ISOMETRIC

BID DOCUMENTS

DATE: 1-08-26
 PROJ NO: 25-032

REVISIONS

#	DESC	DATE

REVISION - SHEET NUMBER			
Sheet Number	Sheet Name	Current Revision	Current Revision Description
S000	STRUCTURAL ISOMETRIC		
S001	GENERAL NOTES		
S002	TYPICAL DETAILS		
S003	TYPICAL DETAILS		
S100	GYM FOUNDATION PLAN		
S100.1	GYM SLAB CONTROL JOINT PLAN		
S101	RESTROOMS AND TICKET BOOTH FOUNDATION PLAN		
S301	RESTROOMS AND TICKET BOOTH FRAMING PLAN		
S500	SECTIONS & DETAILS		
S501	SECTIONS & DETAILS		
S502	SECTIONS & DETAILS		
S503	SECTIONS & DETAILS		
S504	SECTIONS & DETAILS		

STRUCTURAL ISOMETRIC

S000

GENERAL NOTES

- 1. Contractor shall compare Structural drawings and Architectural drawings. Any omissions or discrepancies between plans, details, and specifications shall be brought to the attention of the Architect or Engineer before bidding. In all cases, more the more stringent requirement governs. Architectural dimensions and elevations will control.
2. Parts of the structural drawings may not be used as shop drawings without prior written approval.
3. All or parts of these drawings were produced with computer aided drafting. Drawings are available from the Engineer in DWG format on request.
4. Contractor proposed changes to details must be clearly noted on the first sheet of all shop drawings.
5. Construction shown is stable after the building is complete including interior and exterior finishes. The Contractor is responsible for temporary bracing of the structure during construction.
6. Review of submittal information shall be for general conformance with the contract documents and shall not include checking of detailed dimensions or detailed quantities.
7. Shop drawing detailer shall check all Architectural and Mechanical drawings for attachments, clips, openings, or duct work and shall include these items in the shop drawings.
8. Furnish design calculations sealed by a Professional Engineer licensed in the project state for all shoring.
9. Site visits by Engineer of Record are not required inspections or special inspections, rather are observations for general compliance with contract documents.
10. Electronic submittal of shop drawings is required. Review of submittal information shall be for general conformance with the contract documents and shall not include checking of detailed dimensions or detailed quantities.

DESIGN LOADS

Table with 2 columns: Reference code for loading and values. Includes Building Classification (III), Wind Load (118 mph), Seismic Load (1.25), Live Load (20 psf), and Fluid Roof Pressure Load (5.2 psf).

DELEGATED DESIGN - ALUMINUM AWNINGS/CANOPIES

- 1. Reference Architectural drawings for layout, location, size, configuration, etc. for all awnings and canopies.
2. Contractor to provide blocking details at frame and tie rod connection points and then field locate blocking based on connection points shown in awning shop drawing submittal.
3. Provide shop drawings showing: product data, cut sheets, structural properties, plan views, and detail views.
4. Contractor to provide calculations for all members and connections. Calculations to be signed and sealed by a Professional Engineer licensed in the State of the Project.

DELEGATED DESIGN - STAIRS, LADDERS, HANDRAILS, AND GUARDRAILS

- 1. Design Loads for design of stairs, ladders, handrails, and guardrails.
A. Handrails/Guardrails
a. 200 lb force applied in any direction at any point on handrail or top rail
b. 50 psf force applied in any direction at any point on handrail or top rail
c. 50 psf force on intermediate rails, openings, and space between rails
B. Ladders
a. 300 lb force applied in any direction at any point, with a minimum of (1) 300 lb force every 10 ft of ladder height
b. 100 lb force in any direction at any height at each side rail extension
c. Ships ladders with treads to be designed for loads as Stairs
C. Grab Bars
a. 250 lb force applied in any direction at any point on grab bar
2. Provide shop drawings showing: product data, cut sheets, structural properties, plan views, section views, and detail views.
3. Provide calculations for all members, connections of members to members, and connections of members to primary structure. Calculations to be signed and sealed by a Professional Engineer licensed in the State of the Project.

STEEL JOIST AND JOIST GIRDERS

- 1. All steel joists shall conform to the standard specifications for the joist noted, as adopted by the Steel Joist Institute.
2. Contractor must furnish design calculations sealed by a Professional Engineer for steel bar joist designs.
3. Refer to Components & Cladding Table and Diagram for roof uplift zones and pressures.
4. Joist designation Joist depth/Series/Total Load/Live Load.
5. There are no uplift requirements for joists on this project.
6. Unless noted otherwise, design all joists for an uplift load of 7777 psf.
7. Refer to Components & Cladding Table and Diagram for roof uplift zones and pressures.
8. Do not camber joist placed on roof slopes greater than 2:12.
9. Refer to roof framing plan for uplift loading areas and diagrams.
10. Joist supplier has the option of combining joist sizes to a larger section.
11. Extend bottom chord of joist and attach to 4"x4" plate welded to the column per OSHA standards.
12. K Series joists shall be welded to bearing plates or steel members with (2) 1/8" fillet welds with length 2".
13. LH and DLH Series joists shall be welded to bearing plates or steel members with (2) 1/4" fillet welds with length 2".
14. SLH Series joists shall be welded to bearing plates or steel members with (2) 1/4" fillet welds with length 4".
15. All K Series joists supported by concrete or masonry walls are to be supported by a 3/8" x 4" x 0'-6" embed plate with (1) 1" x 4" headed stud unless detailed otherwise. Plate to be located within 1" of face of support.
16. All LH Series joists supported by concrete or masonry walls are to be supported by a 3/8" x 4" x 0'-9" embed plate with (1) 1" x 4" headed stud unless detailed otherwise. Plate to be located within 1" of face of support.
17. All joist bearing plates are to be set 1/4" above the top of concrete masonry units.
18. Design cantilever ends of joist and joist outriggers for a uniform load of 50 psf and concentrated load on the end of section of 50 pf unless noted otherwise.
19. Joist girders bottom chord struts shall not be welded to the column until all dead loads are in place.
20. Weights of mechanical units are not included in the joist loading designation shown. Design joist for loading shown plus the weight of mechanical shown. Contractor is to verify all weights of mechanical units with Mechanical Subcontractor before submitting shop drawings.
21. Provide double joist under all mechanical units unless otherwise noted.
22. Weights of mechanical units are not included in the joist loading designation shown. Design locations and weights were not available at time of bid documents. Contractor is to coordinate the locations and weights of the units with the joist supplier.
23. Provide double joist under all athletic equipment unless otherwise noted.
24. If the Contractor elects to use joists provided by Canam Steel, provide an allowance of \$10,000 for additional structural engineering services to be paid to the Architect.

METAL STUDS (STRUCTURAL)

- 1. All cold-formed steel work to be in accordance with North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100-16(2020)) and the North American Standard for Cold-Formed Steel Structural Framing (AISI S240-20).
2. All studs, joists, tracks, bridging, and accessories shall be a minimum of 660 galvanized and have minimum yield strength of 33ksi, unless noted otherwise.
3. Top and bottom tracks to be same gauge as studs unless noted otherwise.
4. Provide double studs at all wall intersections, jumbo corners, and intersections.
5. At all openings in walls, provide additional studs each side of opening to replace members cut at the opening.
6. Provide (2) 8"x14ga headers at all openings, unless noted otherwise on structural drawings.
7. Provide blocking or strapping at a maximum of 4'-0" - see typical detail.
8. All wall studs to have full bearing at top and bottom of stud.
9. Limit deflection of studs supporting brick to H/600.
10. Use a minimum of 18 gauge for studs used with brick anchors.
11. Limit deflection of all studs not supporting brick to H/360.
12. Limit roof truss live load deflections to L/360.
13. Provide minimum of 6"x18ga structural stud top and bottom chord for all truss members.
14. Truss supplier will provide anchorage hardware unless noted otherwise on structural drawings.
15. Align roof trusses with stud wall framing or provide double 2x wood nailer on top of track attach with #10 screws at 8" o.c.
16. Attach roof deck to trusses with #10 screws at 12" o.c.
17. Furnish design calculations sealed by a Professional Engineer licensed in the project state for all truss members.
18. Unless noted otherwise, all steel stud information shall be considered to be schematic. Final design is to be provided by the stud supplier. Provide shop drawings and design calculations sealed by a Professional Engineer licensed in the project state for all members. These are to include the proposed load-bearing metal stud manufacturer's product data, cut sheets, structural properties, recommended construction details, and details for all members and connections. Shop drawings are required to be reviewed by the design team prior to fabrication and installation of load-bearing metal stud framing.
19. The minimum sizes, spacing, gauges, connections, details, and other information required to construct the load-bearing metal stud framing are shown on the contract documents. Unless otherwise indicated, all cold-formed metal stud information shall be considered schematic in nature. Final design is to be provided by the contractor's stud supplier.
20. Provide shop drawings and design calculations sealed by a Professional Engineer licensed in the project state for all members. These are to include the proposed load-bearing metal stud manufacturer's product data, cut sheets, structural properties, recommended construction details, and details for all members and connections. Shop drawings are required to be reviewed by the design team prior to fabrication and installation of load-bearing metal stud framing.
21. The contractor has the option to propose alternative framing methods or components. The contractor shall submit shop drawings and calculations on the proposed alternative framing system for review by the Architect and Engineer. All design calculations for the alternative framing system and the drawings shall be sealed by a Professional Engineer licensed in the state of the project. The Professional Engineer shall provide a signed statement signifying they have reviewed the stud framing shop drawings for the alternative framing system and that the components conform to their calculations. The proposed alternate framing system shall be designed for the loads indicated below.

WOOD (STRUCTURAL)

- 1. All floor framing shall be #2KD Southern Yellow Pine (SYP) or approved equal.
2. All vertical framing shall be Spruce-Pine-Fir (SPF), #2.
3. All wood exposed to weather or in contact w/ CMU or concrete shall be pressure-treated in accordance w/ American Wood Preserves Association Manual of Recommended Practice.
4. All fasteners and nails in contact w/ pressure-treated lumber to be stainless steel Type 304. Submit all alternates for approval.
5. Provide minimum of 2"x6" top and bottom chord for all truss members.
6. Furnish design calculations sealed by a Professional Engineer licensed in the project state for all truss members.
7. All truss-truss and truss-wall connections by Truss Supplier/Designer. See notes, plans, sections, and Arch. TYP.
8. See Arch for roof profile, slope, insulation, roofing material above decking, gashing, gutters, overhangs, soffits, fascia, downspout, etc. TYP.
9. Pre-engineered wood roof trusses @ 24' o.c. max unless noted otherwise. See plan for layout and see Arch for details.
10. Provide (4) studs at all beam and girder truss bearing locations.
11. Roof decking shall be 5/8" APA-rated sheathing, Exposure 1 w/ 32/16 span rating. Provide plyclips at all roof sheathing connections, unless noted otherwise.
12. Roof sheathing shall be nailed w/ 8d ring shank nails at 6" o.c.
13. All bolts connecting horizontal sill plates to concrete, masonry, or steel shall have minimum 0.229"x3"x3" flat washers.

EPOXY AND MECHANICAL ANCHORS

- 1. All anchors shall be installed per Manufacturer's Printed Installation Instructions (MPII).
2. Contractor must get pre-approval from Engineer of Record before using post-installed adhesive or mechanical anchors not detailed or specified in these drawings. All post-installed anchors must have an evaluation report showing code compliance with the intended application.
3. Adhesive anchors into concrete to be Simpson SET-309 or approved equal. Adhesive anchors into masonry to be Simpson SET-XP. Typical Embedment shall be 12 x dia. Design bond strength has been based on cracked concrete, ACI 308.4 Temperature Category B and installations into dry holes drilled into concrete that has cured for at least 21 days using a drill bit and technique that is qualified by the manufacturer.
4. All mechanical anchors to be Simpson TITEN HD Screw Anchors or approved equal. Typical Embedment shall be 8 x dia.
5. All Powder Actuated Fasteners (PAF) to be 0.157" Stron-Pins w/ 1 1/4" minimum embedment into concrete or masonry. For installations into steel, PAF shall completely penetrate steel thickness.

TESTING

- 1. All testing is to be completed under the supervision of the Structural Engineer.
2. The Owner will provide testing and special inspection under a separate contract. See the project specifications for schedule of special inspections.

FOUNDATIONS

- 1. Foundation design for this project was based on soils information provided by TTL, Inc. Report #000250101196.00, dated July 25, 2025.
2. Bearing value of soil: 2500 psf
3. All foundations are to be founded on an engineered fill as dictated by the geotechnical report.
4. Provide 8"-0" long top steel reinforcing, same size as bottom steel, at transitions between engineered fill and undisturbed soil locations.
5. Install corner bars at all footing intersections and corners (Provide lap length e.w.).
6. Step all footings where necessary to provide a minimum of 1'-0" below the finish grade or 0'-8" below finish floor.
7. All footing elevations are given to the top of the footings.
8. Footing steps shown on the plans are furnished as a guide for estimating quantities. Final elevations are to be set in the field. Bearing elevations must be approved by a Soils Engineer before any concrete is placed.
9. Coordinate foundation elevations with plumbing requirements. Step footings down to required clear plumbing lines.
10. Slabs on grade should be supported on 4" compacted dense graded base material (ALDOT B25B, #8910, or equivalent), compacted to a minimum of 98% compaction and +/- .3% optimum moisture based on ASTM D698, unless noted otherwise in construction documents or geotechnical report.

PROVIDE DRAINAGE FOR ALL RETAINING WALLS: see Architectural for notes and details.

MASONRY

- 1. All masonry work to be in accordance with Building Code Requirements and Specification for Masonry Structures (TMS 402/602-16).
2. Fill all concrete masonry units with concrete or grout from the top of the footing to the finish floor or to 8" above finish grade, whichever is higher.
3. Use truss type joint reinforcement (BOL-COK BK 34 or better) at 16" o.c. in all cavity walls where brick is used for one or more of the wythes.
4. Use truss type joint reinforcement (DUR-O-WAL SW D43100 or better) at 16" o.c. in all other masonry walls.
5. Provide joint reinforcement at 8" o/c. for all walls constructed with stack bond.
6. Use Type "M" or "S" mortar in accordance with TBC Table 2103.2.1, unless noted or approved otherwise.
7. Minimum compressive strength of concrete masonry Fm = 2000 psi in accordance with the unit strength method and TMS 402/602-16. Submit for review test data on strength of units before starting any masonry work.
8. Minimum compressive strength of grout Fc = 2000 psi. Use 3/8" max size aggregate. See Special Inspection Schedule for any testing requirements. Grout slump shall be 8" to 11".
9. Use "Fine" grout for all reinforced piers and reinforced wall in accordance with ASTM C476.
10. Each grout lift shall not exceed 5'-0" unless cleanouts are provided in the bottom course.
11. Fill cells under all lintels with grout.
12. Provide continuous reinforcement through wall. See lintel details for reinforcement.
13. Unless noted otherwise, provide control joints in all walls 4'-0" from wall intersections or corners and at 20'-0" o.c.
14. Provide continuous bond beam at top of wall and at 8'-0" o.c. vertical spacing. Coordinate w/ openings, TYP.
15. Extend all horizontal steel and bond beams through control joints.
16. Vertical reinforcement shall extend into the bond beam and terminate with an ACI standard 90 degree hook.
17. Rebar positioners to be coordinated during submittals and used unless approved otherwise.
18. Unless noted otherwise, all vertical bars are to be located at the center of cell. Where bars are specified at each face, provide 3/4" clear space between reinforcement and CMU face shell.
19. Anchor bolt into grouted cell locations only, unless noted otherwise.
20. Perimeter CMU walls shall be reinforced with minimum #5 bars in fully grouted cells @ 2'-8" o.c. Provide Bond Beam at top of wall and at 8'-0" o.c. Brace top of wall to roof structure with rigid bracing @ 8'-0" o.c. Alternate each direction.
21. Non Load Bearing Interior CMU walls shall be reinforced with minimum #4 bars in fully grouted cells @ 4'-0" o.c. Provide Bond Beam at top of wall. Brace top of wall to roof structure with rigid bracing @ 8'-0" o.c. Alternate each direction.
22. Anchor all steel columns to CMU walls @ 24" o.c. vertically into reinforced cell. See typical detail.

METAL BUILDING

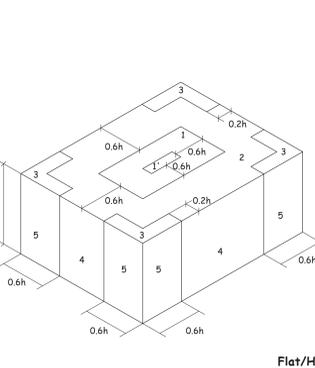
- 1. Metal building manufacturer shall be a member of the Metal Building Manufacturer's Association (MBMA) and be accredited according to the Inspections Program for Manufacturers of Metal Building Systems (AC407).
2. Reference Design Loads for Live, Wind, Snow, and Seismic loads on FEMB.
3. Building design shall include an allowance of global 5 psf superimposed dead load on the roof structure for adequate frame design for the miscellaneous interior suspension of ceilings, mechanical ducts, sprinklers, lights, speakers, etc... (Contractor is responsible to refer to Arch, Mechanical, & Electrical for bracing of interior non-loadbearing stud walls, suspended duct, trunks, sprinkler piping, speaker clusters, etc., and coordinate their location with the the FEMB engineer so the layout and bracing of the affected roof purlins can be designed, stiffened, braced, and detailed appropriately).
4. FEMB designer to also independently design for heavy concentrated loads such as basketball goals. Coordinate with Arch and other disciplines.
5. Maximum displacements based on building code service loads shown below (10 year recurrence interval is allowed for deflection checks only).
A. Spandrels backing up masonry L/400
B. Frames H/360
C. Girts L/240
D. Roof framing deflection limit L/240
6. Structural foundation design based on bearing pressure provided in geotechnical report. Owner will be responsible for the cost incurred in foundation changes due to unforeseen soil conditions or bearing pressure issues.
7. All structural design of foundations is based on an assumed metal building with pin-based columns.
8. Plans shall be reviewed and adjusted to correspond to the building manufacturer's requirements. Contractor will be responsible for the cost incurred in foundation changes due to change in final FEMB detailing and/or loading, via allowances and unit prices.
9. Building Manufacturer to submit complete design calculations for review before fabrication of any components.
10. Metal building and metal building components are not part of the design contract. Barnett/Jones/Wilson, LLC has no control or responsibility for the metal building and therefore should not be considered to be the Structural Engineer of Record for the metal building elements.

REINFORCING STEEL AND CONCRETE

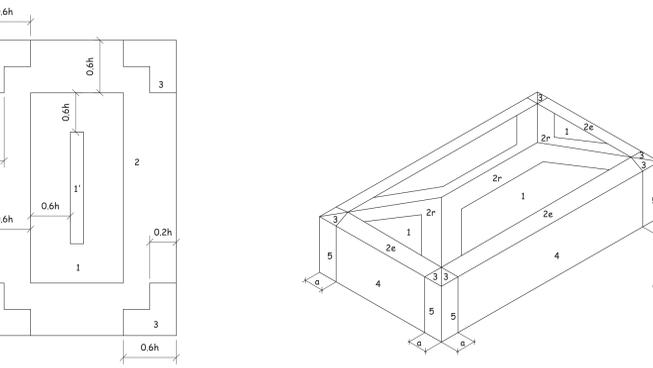
- 1. All concrete work is to be in accordance with the Building Code Requirements for Structural Concrete (ACI 318-19).
2. All detailing work is to be in accordance with the ACI Detailing Manual (MN-66(20)).
3. Use of calcium chloride, chloride ions, or other salts in concrete are prohibited.
4. Concrete Properties: See schedule
A. All concrete must obtain 7 day strength of 70% of design strength.
B. Concrete mixes may replace cement with other cementitious materials submit these for approval.
C. Combined weight of all replacement cementitious materials may not exceed 25% of the total cementitious weight.
D. Concrete mixes may use water reducers, accelerators, or retarders with prior approval.
E. Do not provide air entrainment in concrete mixes for interior slabs.
5. All steel reinforcement shall be of deformed bars of billet steel conforming to ASTM A615, Grade 60 in all concrete.
6. Welded wire fabric (WWF) shall be ASTM A185 and shall be (2) cross wires per 6", whichever is greater on all sides. All laps shall be wired together.
7. Provide (2) #4 bars x 4'-0" at re-entrant corner locations TYP. Locate 3" away from corner and space 0'-6" apart.
8. All slabs on grade are 4" unless noted otherwise. Slabs are to be placed on 10 Mil PVC vapor barrier over 4" of porous fill. Reinforce slabs with 6x6 W1.4xW1.4 WWF placed 1" from top slab. Unless noted otherwise, slabs shall have joints placed at a maximum of 10'-0". The aspect ratio of the joint layout shall not exceed 1.5:1. Joints may be control joints or construction joints. See Architectural Plans for floor slopes and recesses for hand tile.
9. Minimum concrete cover for reinforcement:
A. Columns 1 1/2" outside of ties
B. Footings 3" bottom & sides, 2" top
C. Slabs on grade 3/4"
D. Slabs on deck 3/4"
E. Grade Beams, Cast-In-Place Walls, & Column Piers
a. Surfaces exposed to weather or soil 2" - #6 and greater, 1-1/2" - #5 and smaller
b. Surfaces cast directly against grade 3/4"
c. Other surfaces 3/4"
10. Provide corner bars at all wall and footing intersections.
11. Contractor shall include an allowance of 2.0 tons of reinforcing steel and 50 cubic yards of concrete in place & in addition to the steel & concrete shown on the contract documents in the base bid. This material is to be acquired, detailed, fabricated, and placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused materials will be credited to the Owner.
12. No openings shall be allowed to penetrate any concrete work, unless it is shown on the structural framing plans, without prior written approval. Contractor shall submit for review locations of proposed openings not shown 30 days prior to pouring any concrete.
13. When joints in beams, slabs, and joists shall be located in the center one-third of the span. Contractor shall submit for review locations of proposed openings not shown 30 days prior to pouring any concrete.
14. Provide a continuous water bar at all wall construction joints below ground level.
15. Use 3/4" chamfer for all exposed corners unless noted otherwise.
16. Mechanical openings through the floor have not been shown on the Structural drawings. See Mechanical plans for size and location of openings. Reinforcing at opening will be coordinated at time of placement.
17. Contractor to provide FEMB reactions for footing verification before reinforcing steel shop drawings are submitted.

STRUCTURAL STEEL

- 1. All structural steel work to be in accordance with the Specification for Structural Steel Buildings (ANSI/AISC 360-16) and the Structural Welding Code - Steel (AWS D1.1).
2. All seismic force-resisting systems work to be in accordance with the Seismic Provisions for Structural Steel Buildings (ANSI/AISC 341-16).
3. Fabricator shall be AISC Certified or shall pay for Special Inspections on Shop Fabricated items.
4. All reactions shown are ASD loads.
5. All connections are to be detailed as Type 2 "simple frame connections," unless noted otherwise.
6. All structural steel W shapes shall be ASTM A992.
7. All structural steel Tube sections shall be ASTM A500 Grade C.
8. All structural steel Pipe sections shall be ASTM A53 Grade B.
9. All structural steel channels, angles and other sections shall be ASTM A36, unless noted otherwise.
10. Headed Studs shall be Type B Shear Connectors.
11. Shop and field connections shall be welded with E70XX electrodes or bolted with 3/4" dia. A325-N or A325-X bolts, unless noted otherwise.
12. Connection schedules are based on snug tight bolts. Do not use slip-critical or tension-controlled bolts unless noted otherwise.
13. Use 3/4" cap and bearing plates, unless noted otherwise.
14. Use 3/4" dia x 1'-0" long ASTM F1554 Grade 36 anchor bolts, unless noted otherwise. In lieu of cast bolts, 3/4"x1'-0" long HAS rods epoxied with HiHi HVA epoxy, or equal, may be used with prior approval.
15. If anchor rods are installed without adequate enough projection, contractor may submit elongated Elcoate nuts for approval as a potential means to correct the issue.
16. Grout under baseplates with ASTM C1107/6000 psi Non-Shrink Grout. For 3/4" dia. anchored baseplates, use 1.5" grout. For 1" dia. anchored baseplates, use 2" grout. Coordinate top of pier/footing elevations to accommodate grout thickness required.
17. Provide L3x3x1/4 frames around all roof openings through metal decking.
18. Provide L3x3x1/4 continuous perimeter deck angle around all deck, unless noted otherwise.
19. Where floor or roof decking changes direction, on top of support framing provide 1/2x2-1/2x3x1/4 continuously for 2-1/2' seats or C5x6.7 continuously for 5' seats.
20. Provide design calculations for connections other than standard frame or seat connections.
21. Structural steel shall be shop primed per SSPC-SP 7 / NACE No. 4. Primer shall be SSPC paint with a minimum thickness of 2.0 mils. Omit paint at surfaces to be fireproofed.
22. If steel sizes do not meet specified UL listing (See Arch), thickness of fire protections shall be increased as required.
23. All steel exposed to weather, and/or specified in bid documents to be galvanized, shall be hot dipped galvanized per ASTM A123. (Galvanizing to adhere to G90 coating thickness.)
24. All steel exposed to earth shall receive bitumen coating.
25. Contractor shall include an allowance of 1.5 tons of structural steel in place in addition to the steel shown on the contract documents in the base bid. This material is to be acquired, detailed, fabricated, and placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused materials will be credited to the Owner.
26. Contractor shall include an allowance of 300 linear feet of L3x3x1/4 angle in place in addition to the steel shown on the contract documents in the base bid. This material is to be acquired, detailed, fabricated, and placed at no additional cost to the Owner in sizes and at locations as directed by the Architect or Engineer. Unused materials will be credited to the Owner.
27. Stairs, handrails, guardrails, and other miscellaneous steel items not specifically detailed in these drawings are the responsibility of the Contractor.
28. Contractor must furnish design calculations sealed by a Professional Engineer for stair and handrail designs.



Flat/Hip/Gable (7° or less)



Hip (7° or more)

Table: Components & Cladding Wind Loads - Hip Roofs (7° - 20°). Columns include Zone 1m (+), Zone 1m (-), Zone 1g (+), Zone 1g (-), Zone 2m (+), Zone 2m (-), Zone 2g (+), Zone 2g (-), Zone 2r (+), Zone 2r (-), Zone 3 (+), Zone 3 (-), Zone 4 (+), Zone 4 (-), Zone 5 (+), Zone 5 (-). Rows include 10 SF, 20 SF, 50 SF, 100 SF, 500 SF.

Table: Components & Cladding Wind Loads - Flat/Gable Roofs less than 7°. Columns include Area, Zone 1 (+), Zone 1 (-), Zone 1' (+), Zone 1' (-), Zone 2 (+), Zone 2 (-), Zone 3 (+), Zone 3 (-), Zone 4 (+), Zone 4 (-), Zone 5 (+), Zone 5 (-). Rows include 10 SF, 20 SF, 50 SF, 100 SF, 500 SF.

Table: STRIP FOOTING SCHEDULE. Columns: Type, Width, Thickness, Reinforcing, Estimate of Length. Rows: W24, W28, W36, W54.

Table: CONCRETE SCHEDULE. Columns: Concrete Use, Design Strength, Max W/C Ratio, Slump Limits, Entrained Air Range, Weight, Notes. Rows: Columns, Exterior Slabs on Grade & Grade Beams, Footings, Interior Polished Slabs on Grade, Interior Slabs on Grade, Retaining Walls.

Table: SPREAD FOOTING SCHEDULE. Columns: Mark, Width, Length, Thickness, Reinforcing, Estimated Number Required. Rows: F36, F60, F72, F72x24, F84, F84x24.

Schedule Notes:

- 1. Schedules are to be used as a guide for estimating only and should not be exclusively for takeoffs and bidding.
2. Schedules reflect major uses of materials, but do not necessarily contain all aspects of the project.
3. Refer to plans, sections, elevations, notes, details, and all other portions of the project documents for all items not scheduled.



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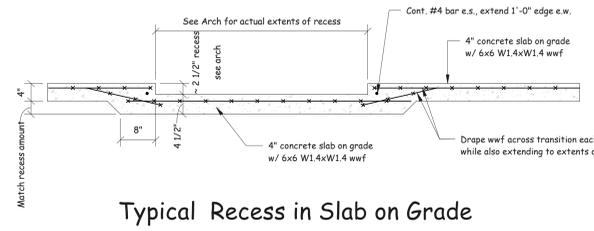
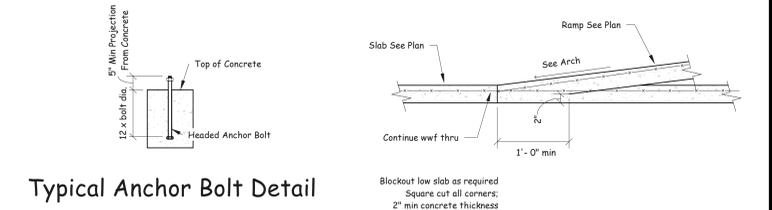
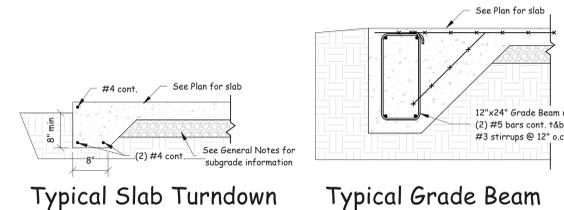
BID DOCUMENTS

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REVISIONS # DESC DATE

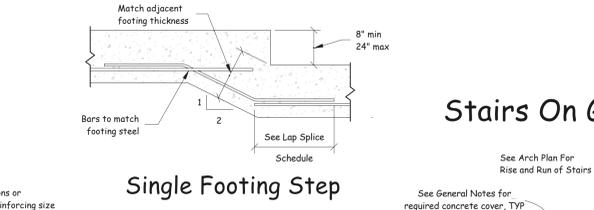
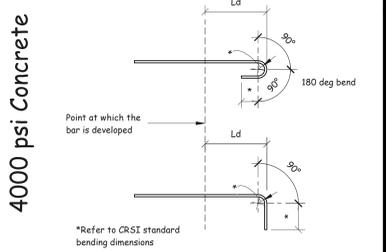
GENERAL NOTES

S001



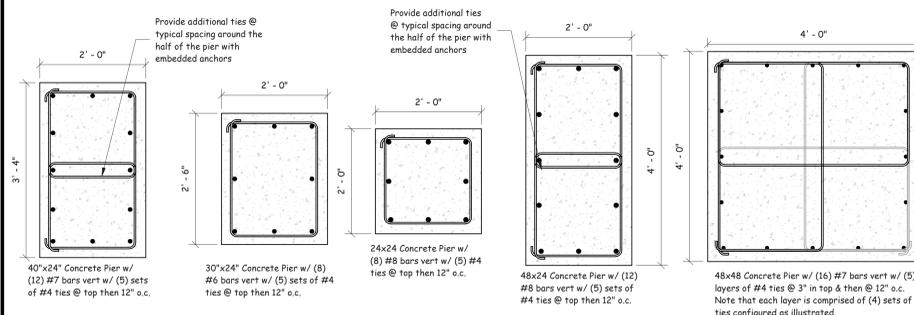
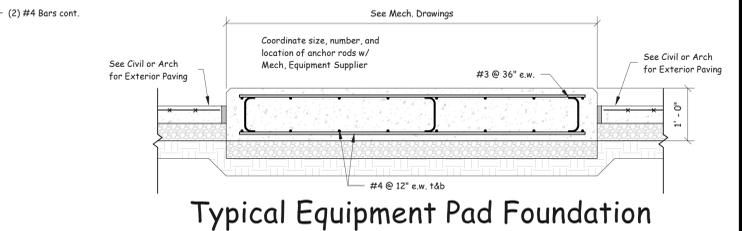
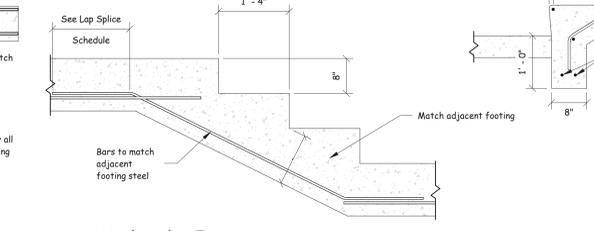
Reinforcing Steel Lap Splice Lengths

Bar Size	Column Splices	Bm, Ftg & Wall Splices Top Bars	Other Bars	CMU Wall Splices
# 3	12"	19"	15"	18"
# 4	15"	25"	19"	24"
# 5	19"	31"	24"	30"
# 6	23"	37"	29"	36"
# 7	26"	54"	42"	42"
# 8	30"	62"	48"	48"
# 9	34"	70"	54"	54"
# 10	38"	79"	61"	60"
# 11	42"	87"	67"	66"

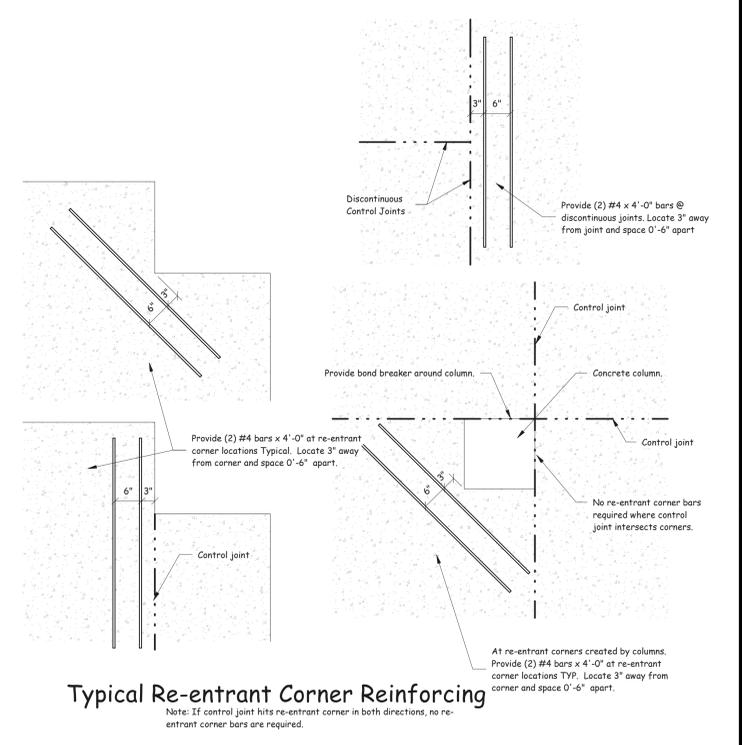
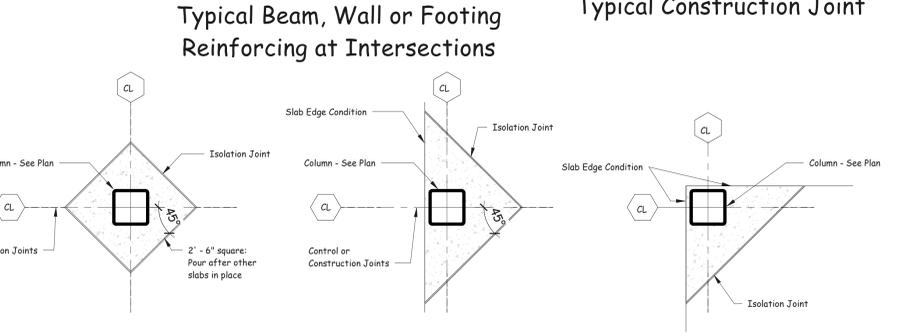
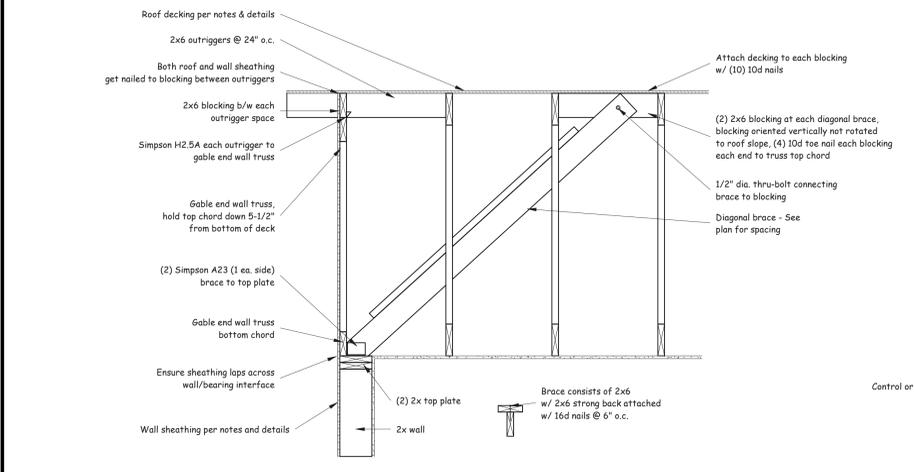
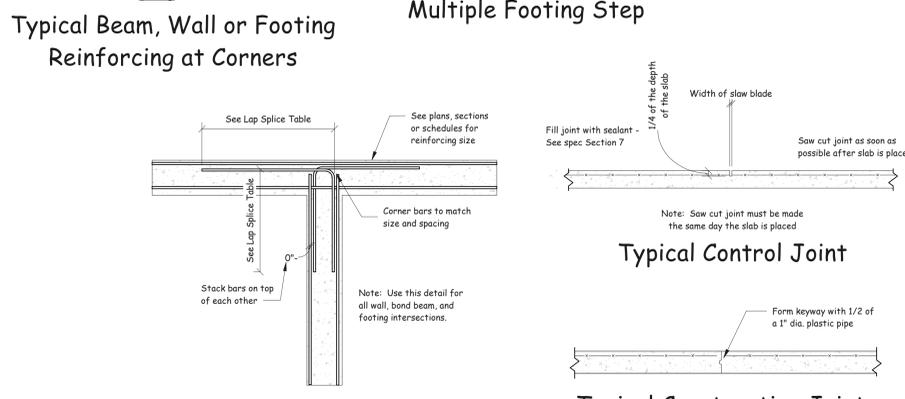


Reinforcing Steel Lap Splice Lengths

Bar Size	Footing & Grade Beams	
	Top Bars	Other Bars
# 3	24"	24"
# 4	33"	24"
# 5	42"	28"
# 6	50"	33"
# 7	72"	49"
# 8	82"	55"



NOTE: At PEMB columns requiring piers greater than 24"x24", provide 1/2" thick embedded steel plate encompassing all anchors at the anchor head



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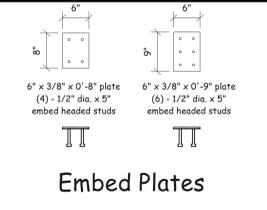
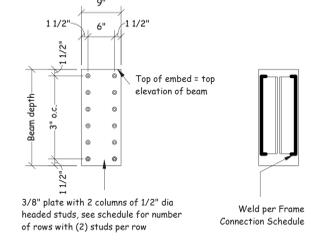
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TYPICAL DETAILS

S002

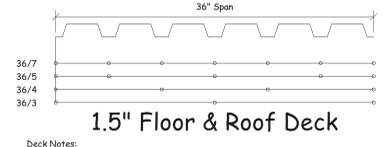
Beam Embed Plate Schedule	
Beam	# of stud rows
W10	2
W12	3
W14	4
W16	5
W18	7
W21	8
W24	9
W27	9
W30	10

Note: Maximum load 30kips. Above 30 kips provide beam pocket in wall with a minimum 6" bearing length.

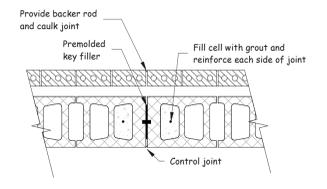


Embed Plates

Metal Deck Attachment Schedule			
Area	Deck	Support Fastener/Pattern	Sidelap Fastener/Pattern
Truss Roof	1.58 x 22ga	#12 TEK screws 36/4	(3) - #10 TEK screws
Floors	1.5VLL x 18ga	5/8" puddle welds 36/4	#10 TEK screws @ smaller of midspan or 36" max
Balcony/Patio Decks	0.6C x 26ga	weld washer 30/4	(1) - #10 TEK screws

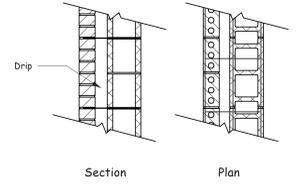


1.5" Floor & Roof Deck



Note:
1. See Arch for spacing. If spacing is not shown place joints at 3 times the wall height but not greater than 20'-0" o.c. and at 4'-0" from corners.
2. Extend all horizontal reinforcing including bond beam steel thru control joints.

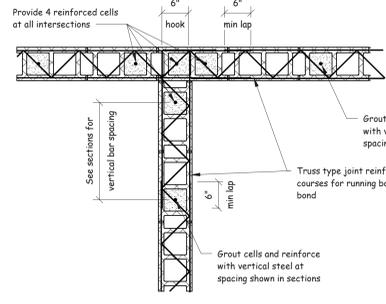
Typical Masonry Wall Control Joint



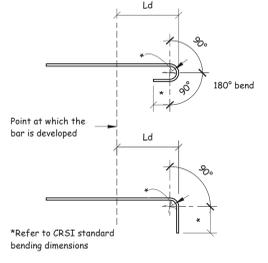
Exterior Masonry Wall Details



Typical Masonry Jamb Detail



Typical Joint Reinforcing at Intersection

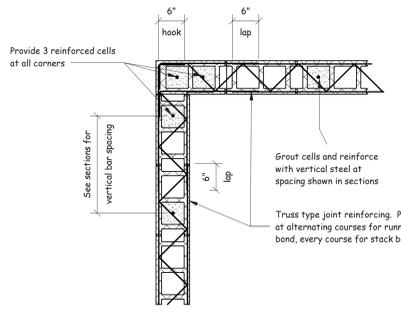


Bar Size	Bar in center of wall			Bar in each face of wall
	6" CMU	8" CMU	12" CMU	
# 3	16"	16"	16"	16"
# 4	21"	21"	21"	30"
# 5	32"	26"	26"	46"
# 6	61"	43"	40"	85"
# 7	N/A	60"	46"	115"
# 8	N/A	N/A	61"	N/A

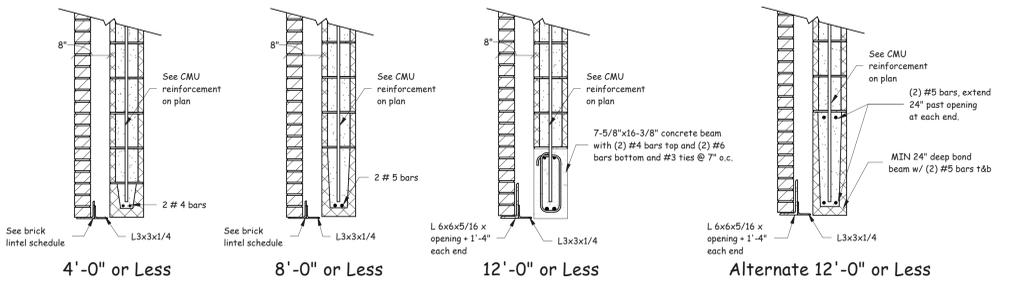
Note:
1. Lengths are for vertical splices in wall.
2. Bar length for center of wall based on f_y of 1500psi or greater.
3. Bar length for face of wall are based on f_y of 2000psi or greater.
4. Refer to General Notes and details for masonry strength.

Brick Lintel Schedule		
Span	Lintel Size	Bearing Each End
≤ 4'-0"	L 3-1/2 x 3-1/2 x 5/16	8"
≤ 6'-0"	L 4 x 3-1/2 x 5/16	8"
≤ 8'-0"	L 5 x 3-1/2 x 5/16	8"
≤ 10'-0"	L 6 x 3-1/2 x 5/16	8"
≤ 12'-0"	L 7 x 4 x 3/8	16"
≤ 14'-0"	L 8 x 4 x 7/16	16"

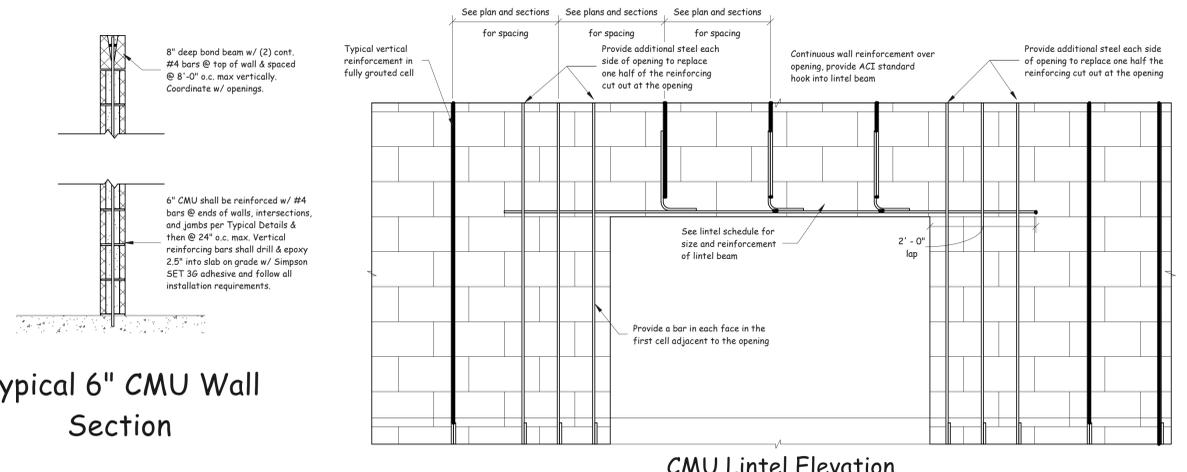
LINTEL NOTES:
1. All brick lintel angles are to be galvanized, long leg vertical, and shall fully bear on brick veneer.
2. Excluding any vertical brick relief steel that is attached to the structure at an elevated floor level, ALL vertical legs of standard brick lintels are to be positioned away from the structure and located against the back of the brick veneer. Vertical legs of standard brick lintels are sized such that they can not be moved away from the back of the brick veneer to where the vertical leg is up against the structure. See Arch for more detailed information of how to close any gaps between the exterior wall and the lintel.
3. Lintels for arched openings are not covered by standard lintel schedule.



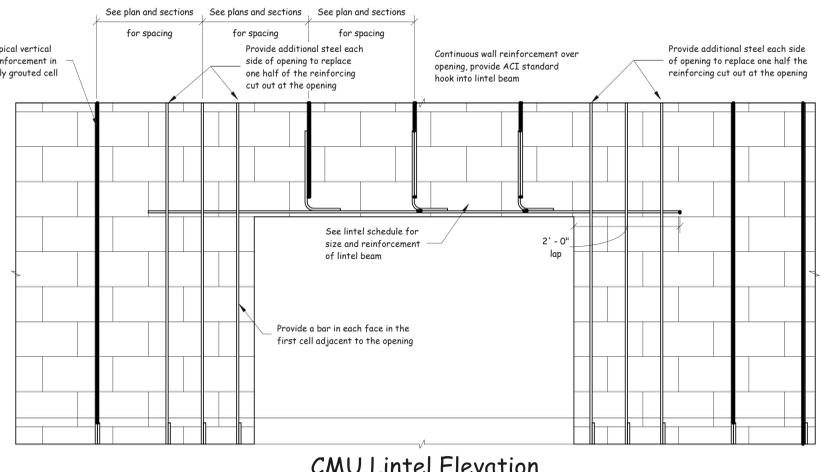
Typical Joint Reinforcing at Corner



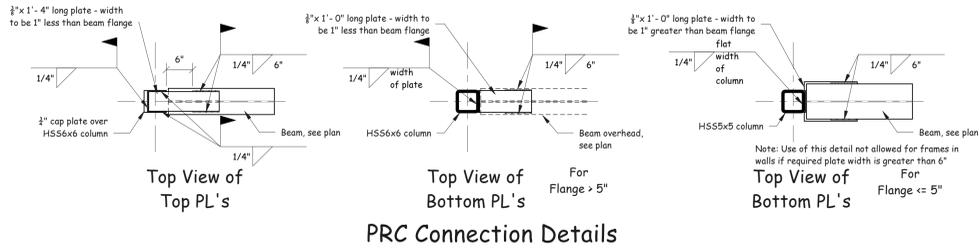
Typical CMU Lintel Details



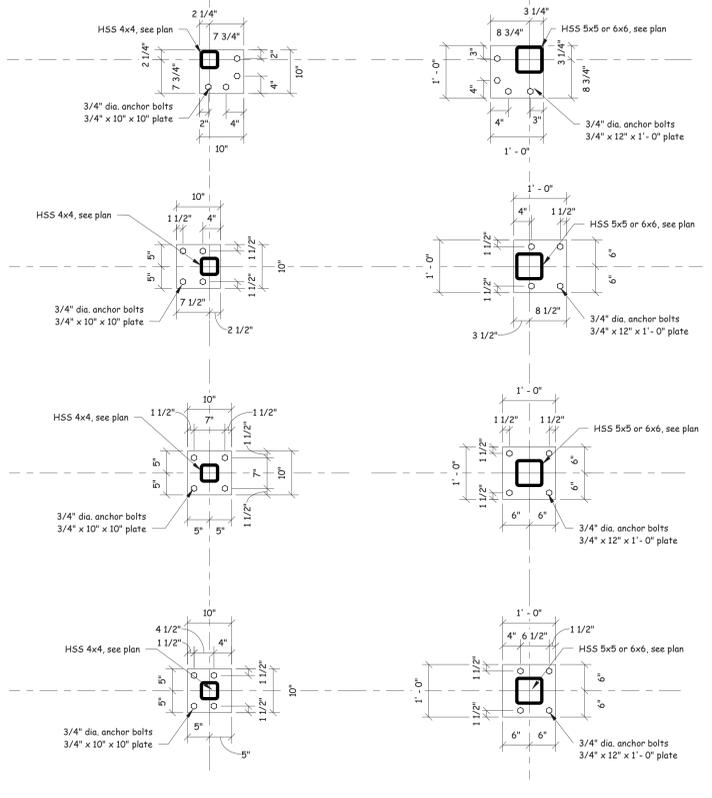
Typical 6" CMU Wall Section



CMU Lintel Elevation

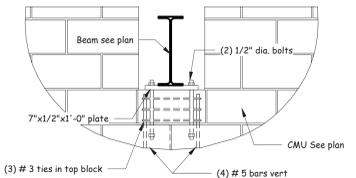


PRC Connection Details



Typical Base Plates

TYPICAL BASE PLATE NOTES:
• All anchors to be cast-in-place, unless specifically approved otherwise.
• Baseplate orientations and configurations to be coordinated during submittals.
• 3/4" dia. bolts w/ 3/4" or 1" BPL, to have 1.5" grout max, require 5" projection, top of supporting concrete located a minimum of 8" below finish floor and that the supporting pier or footing be a minimum of 12" tall/deep.
• 1" dia. bolts w/ 1" or 1.25" BPL, to have 2" grout max, require 7" projection, top of supporting concrete located a minimum of 10" below finish floor and that the supporting pier or footing be a minimum of 14" tall/deep.
• 1.25" dia. bolts w/ 1.5" BPL, to have 2" grout max, require 7" projection, top of supporting concrete located a minimum of 10" below finish floor and that the supporting pier or footing be a minimum of 16" tall/deep.

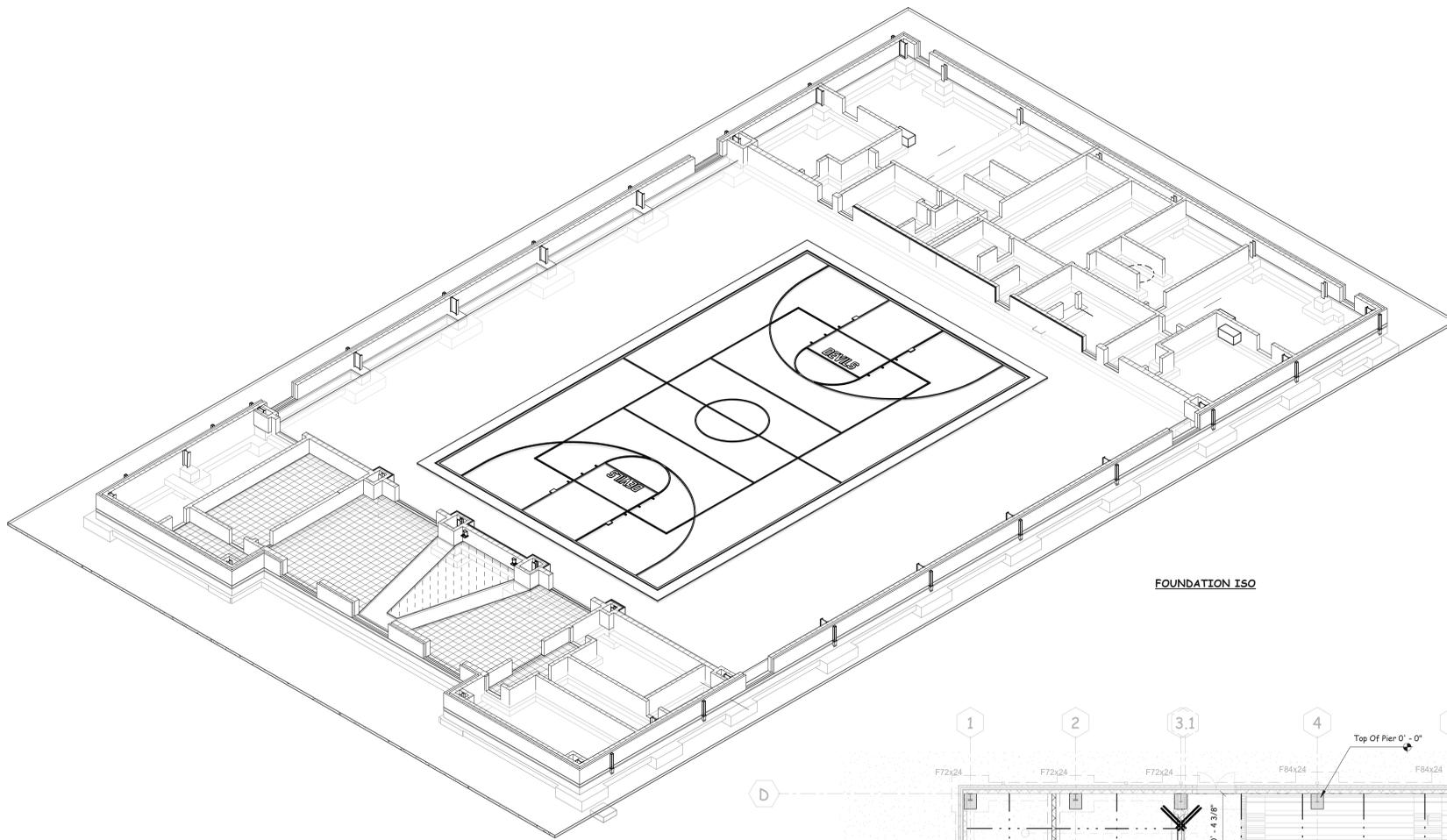


Typical Steel Beam Bearing Perpendicular to Wall

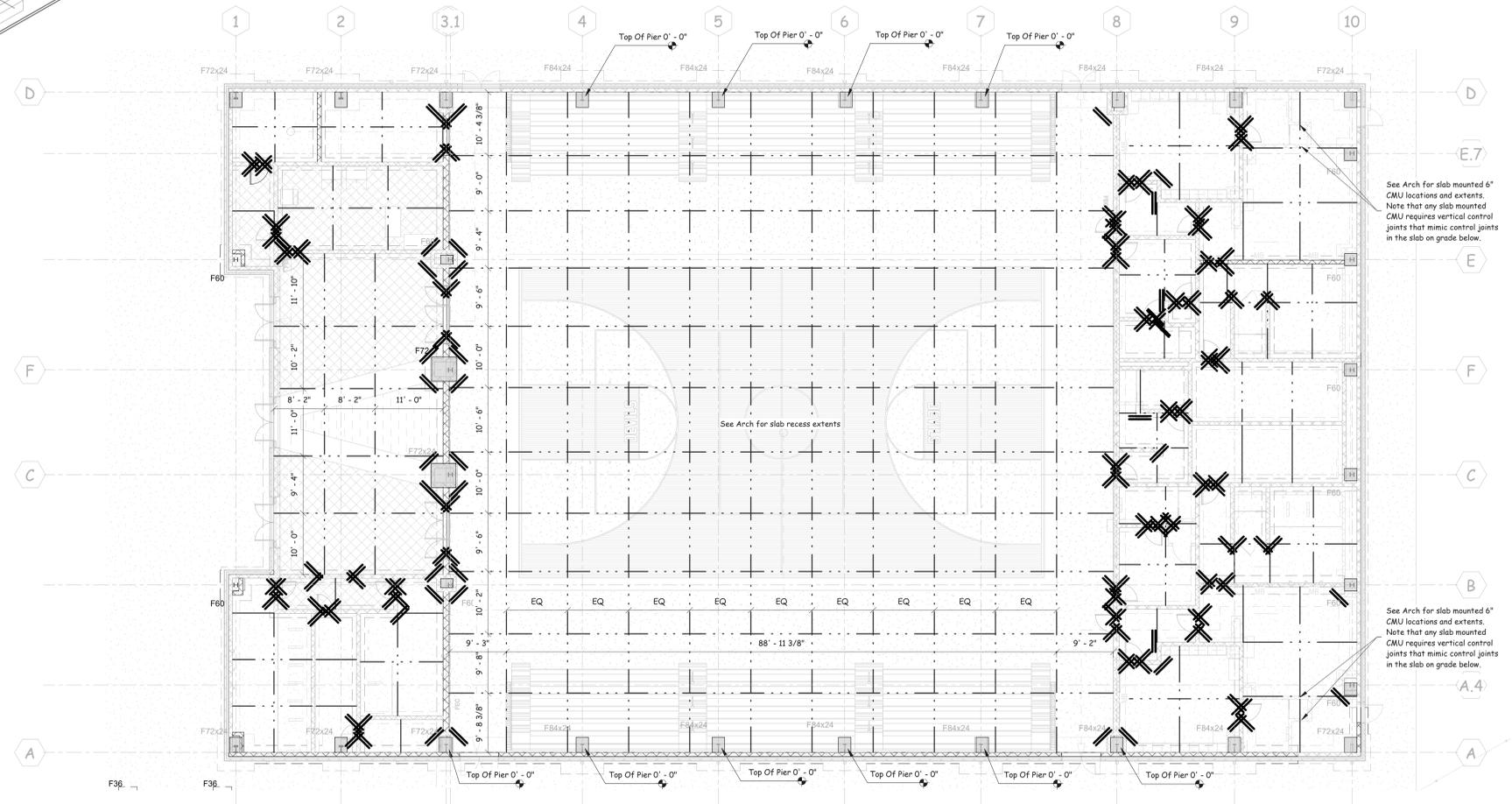
Notes:
1. Conditions are typical unless otherwise noted.
2. Refer to plan for special bearing lengths, plates and bolts.
3. Bearing lengths do not include brick dimensions.
4. Fill cells with reinforcing steel with grout from top of footing to beam bearing unless noted.



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TYPICAL DETAILS		



FOUNDATION ISO



See Arch for slab mounted 6" CMU locations and extents. Note that any slab mounted CMU requires vertical control joints that mimic control joints in the slab on grade below.

See Arch for slab mounted 6" CMU locations and extents. Note that any slab mounted CMU requires vertical control joints that mimic control joints in the slab on grade below.

CONTROL JOINT PLAN

1" = 10'-0"

Sheet Notes:

- See 50 Sheets for Typical Details & General Notes
- Reference all elevations to FF EL (+30'-0")
- Exterior Top of Footing EL (-3'-0") below FF min / or 1'-0" below adjacent grade min, coordinate w/ Civil whichever is greater TYP
- Interior Top of Footing EL (-3'-0") below FF min TYP
- Coordinate foundation elevations with plumbing requirements. Step footings down as required to clear plumbing lines.
- \$ indicates footing step locations.
- Assume footings are W24 unless noted otherwise.
- Provide (2) #4 x 4'-0" at all re-entrant corners, space 3' off each corner. See general notes for more information.
- Control Joint spacing 10'-0" max. See typical detail, coordinate layout w/ Arch/Owner.
- Refer to Architectural for all dimensions, slopes, recesses, elevations, etc. not illustrated on this plan. Coordinate all final dimensions and elevations with Architectural.
- Shaded regions in walls represent piers and/or opening locations. See Arch for more details and Typical Details for lintel details.
- See Arch for interior 6" CMU walls that start above slab on grade. Note that additional vertical CMU wall joints will need to be cut to mimic any perpendicular slab joints below these CMU walls.



BID DOCUMENTS

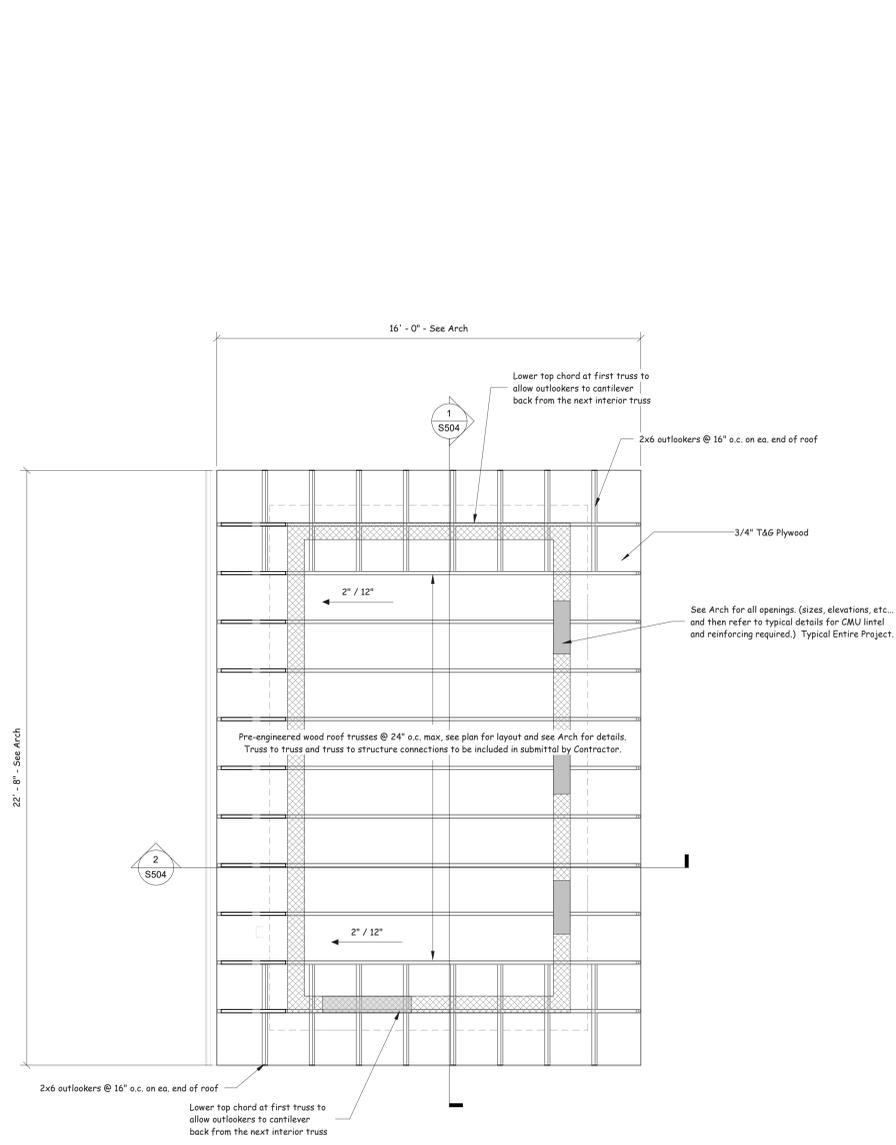
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GYM SLAB CONTROL JOINT PLAN

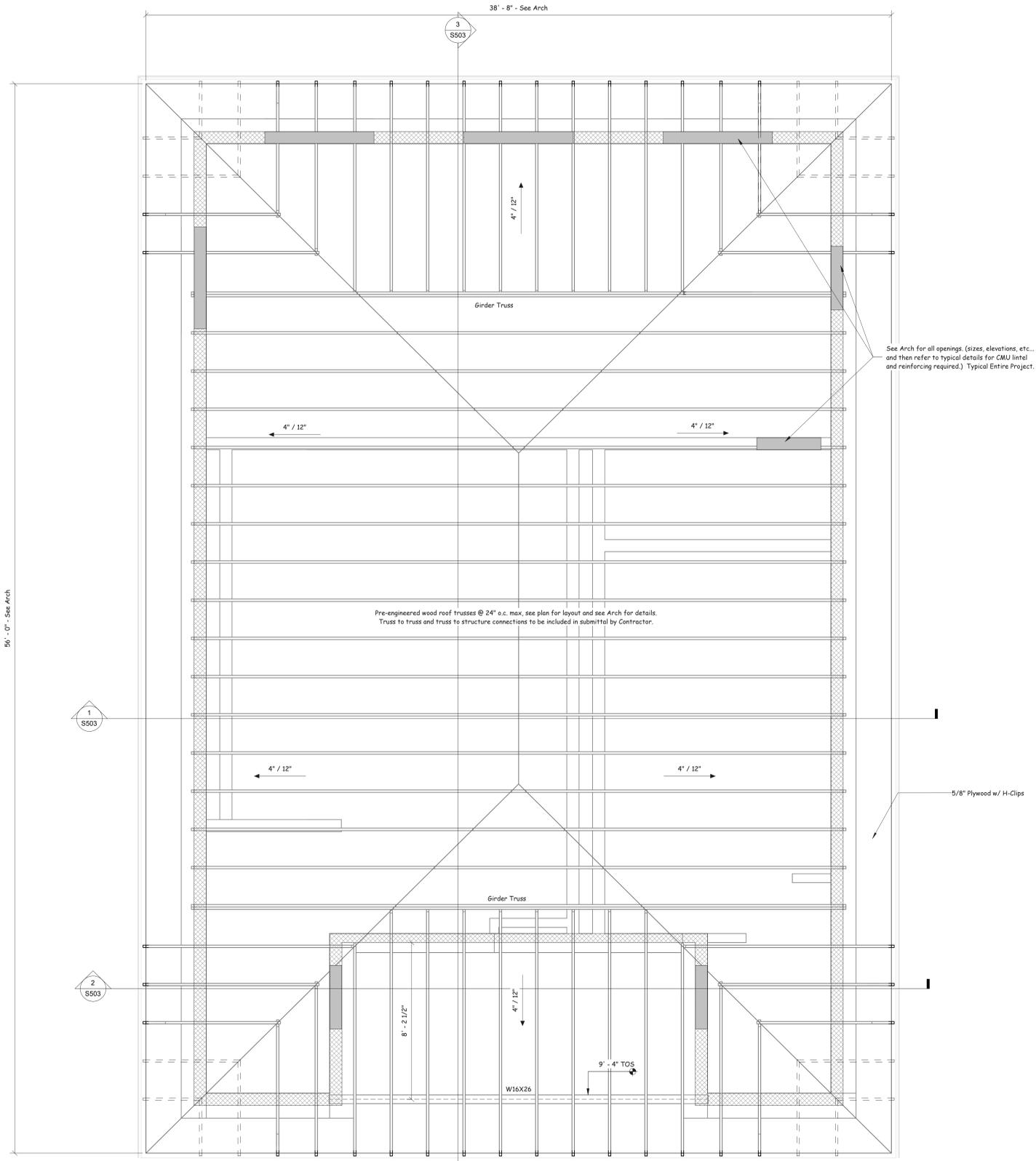
S100.1



TICKET BOOTH ROOF FRAMING PLAN
 3/8" = 1'-0"

Sheet Notes:

1. See S0 sheets for typical details and general notes.
2. Reference all elevations to finish floor elevation (+) 0'-0".
3. Truss Bearing Elevation (+) 8'-9 1/2".
4. Roof construction 3/4" plywood deck with H-clips. Attach with 8d nails @ 6" o.c..
5. Refer to Architectural drawings for all dimensions, slopes, elevations, etc. not illustrated in this plan. Coordinate all final dimensions and elevations with Architectural.
6. Truss loading: Top Chord Live Load = 20 pcf for 2/12 slope, Top Chord Dead Load = 10 pcf, Bottom Chord Dead Load = 10 pcf.
7. Truss requirements: (note that all of these requirements must be included in the truss submittal prior to receiving approval)
 - a) Furnish design calculations sealed by a Professional Engineer licensed in the project state for all truss members.
 - b) Truss manufacturer shall specify and provide all truss to truss and truss bearing connections, and not contain mention of "by others" in relation to design.
 - c) Truss manufacturer shall be responsible for providing and illustrating all temporary and permanent bracing required.
 - d) Truss manufacturer shall provide SYP #2, 2x6 studs minimum for top and bottom chords of trusses.



RESTROOM AND CONCESSION ROOF FRAMING PLAN
 3/8" = 1'-0"



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RESTROOMS AND TICKET BOOTH FRAMING PLAN

S301



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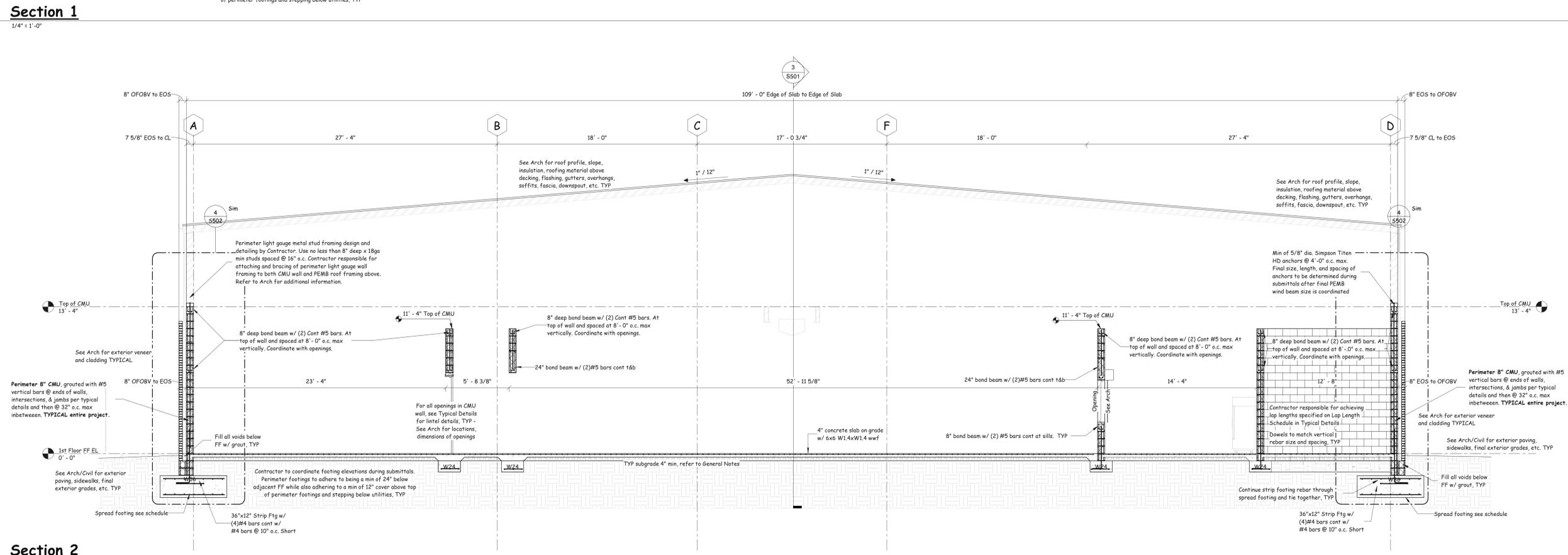
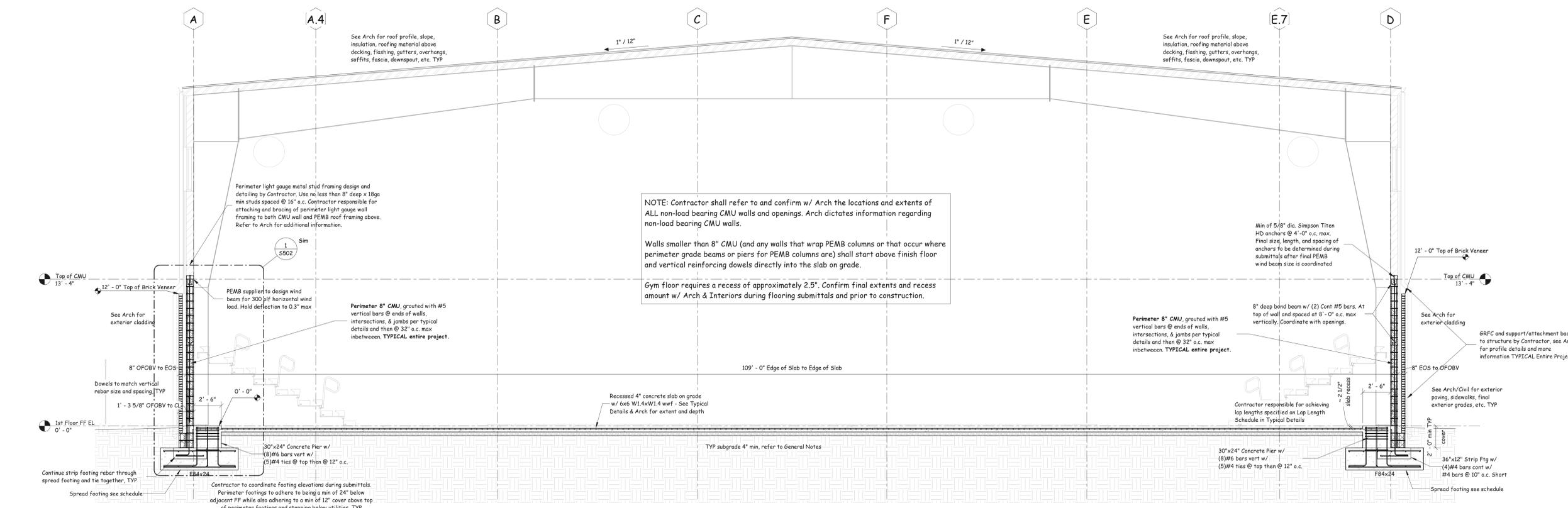
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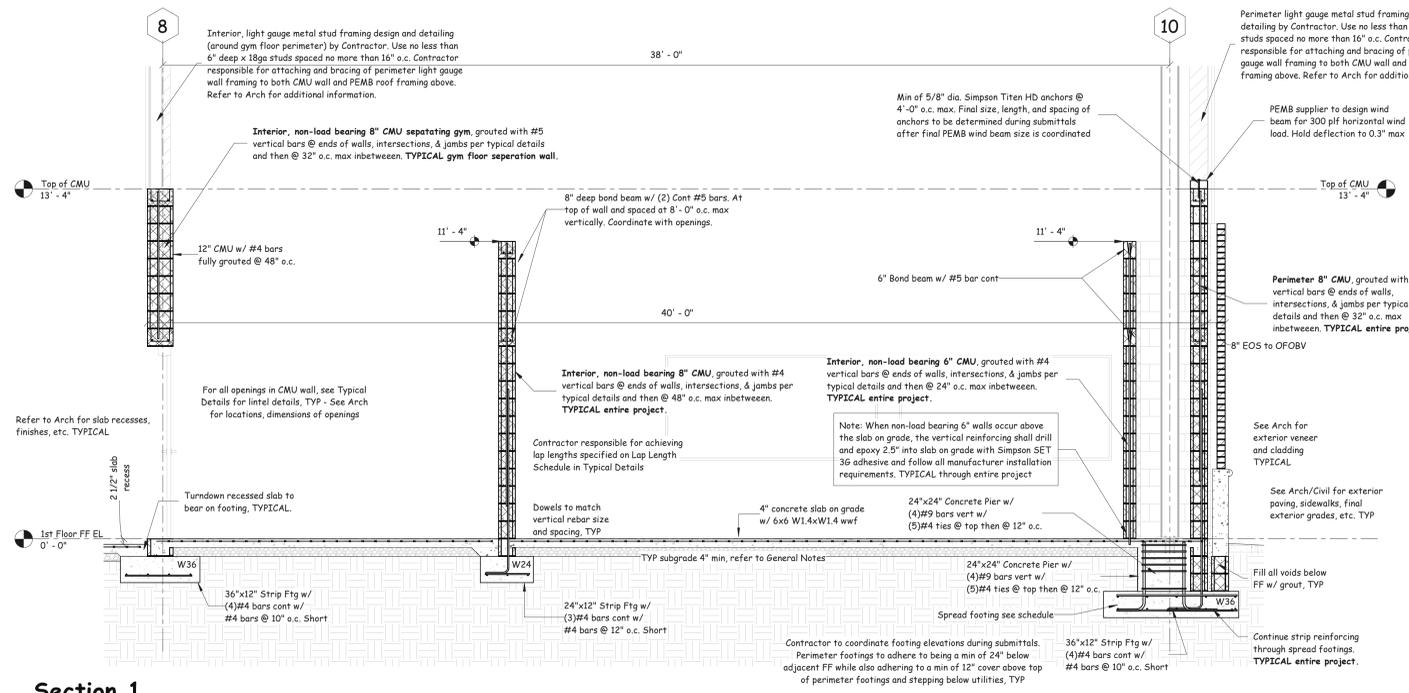
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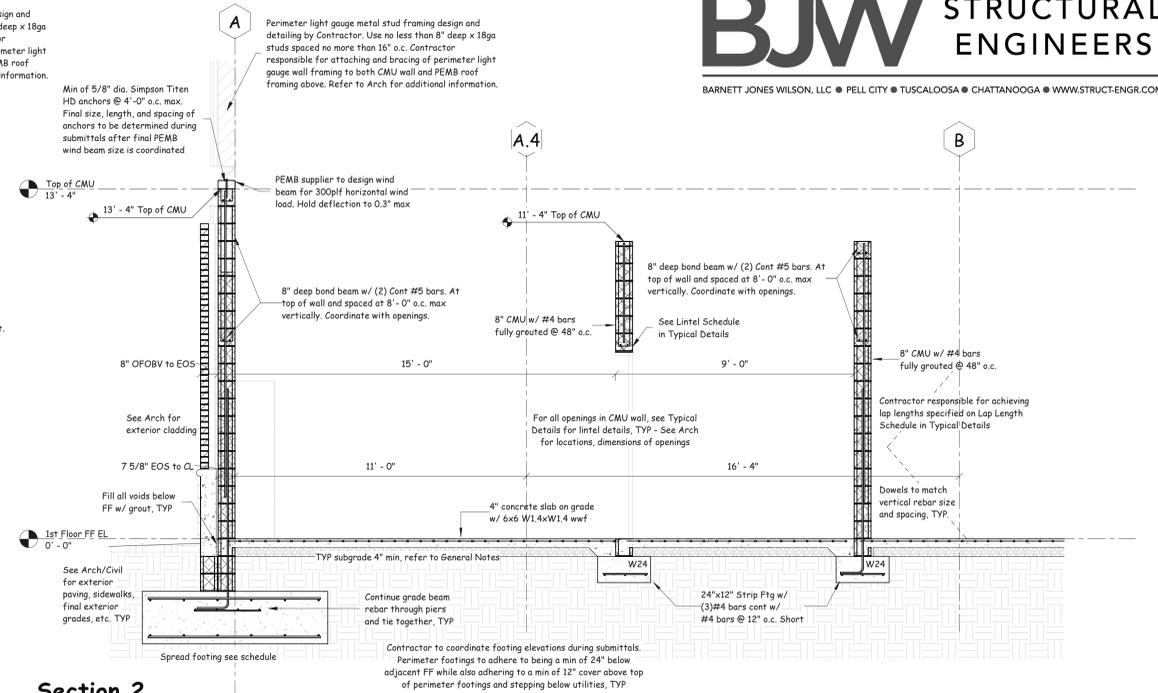
SECTIONS & DETAILS

S500

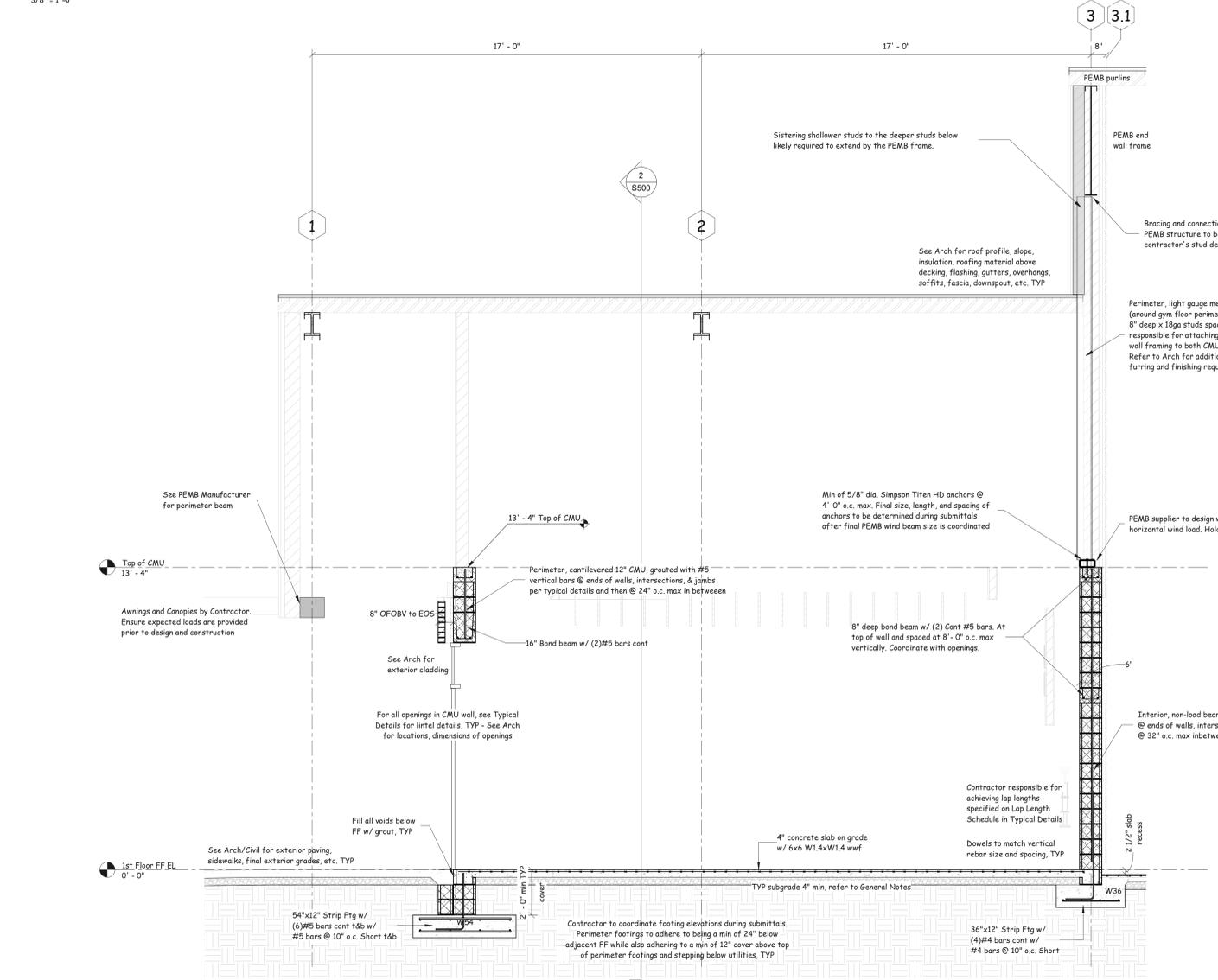




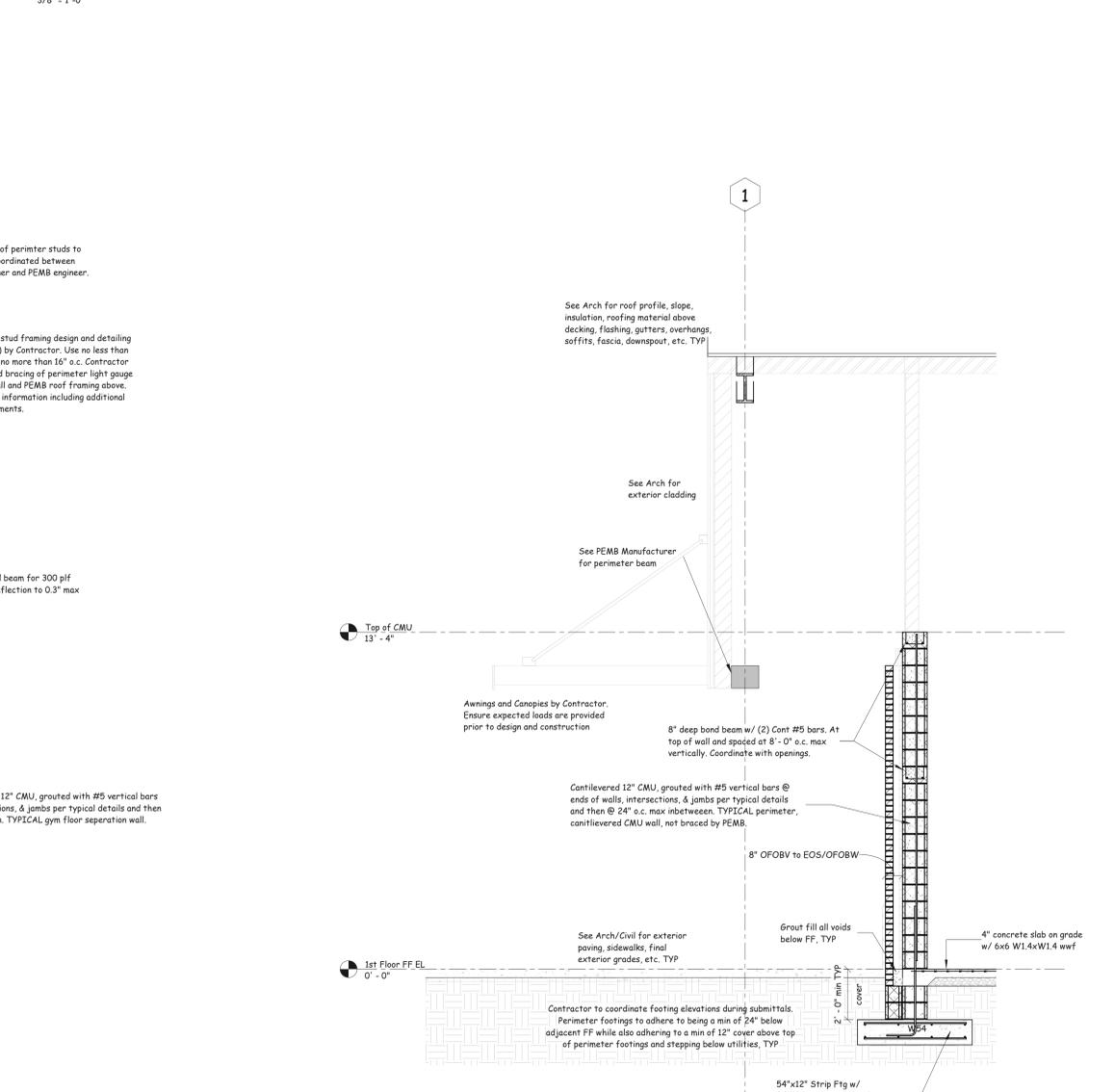
Section 1
3/8" = 1'-0"



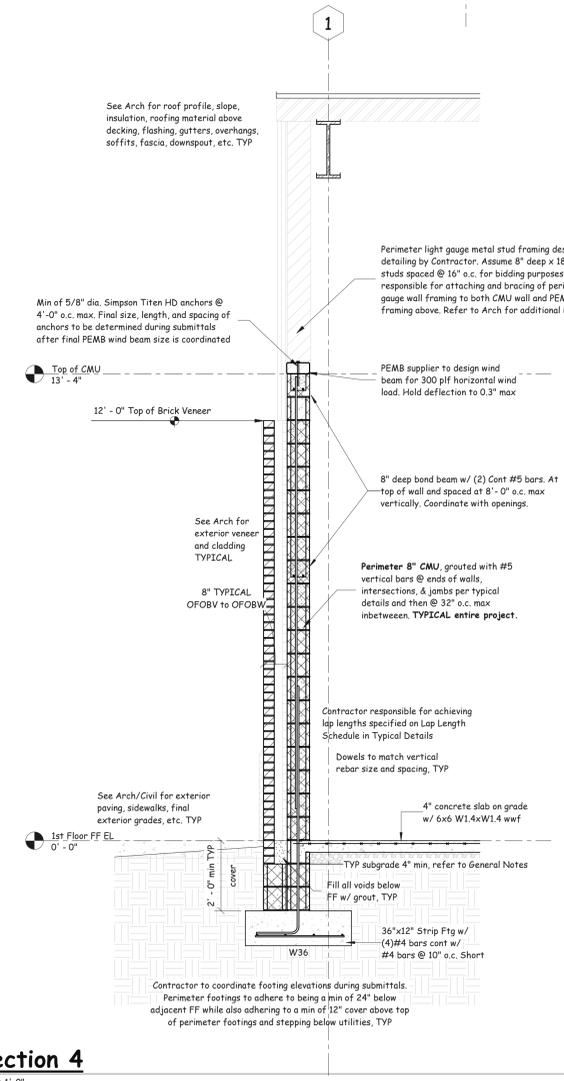
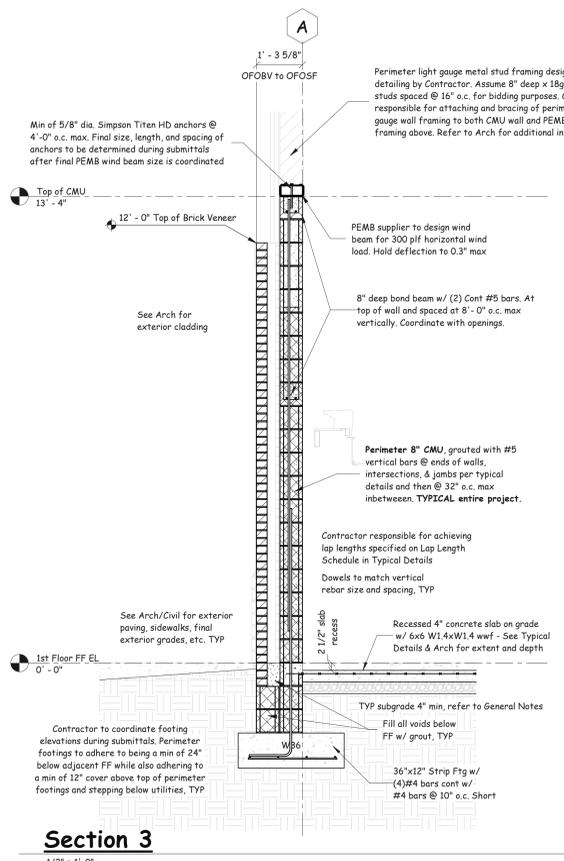
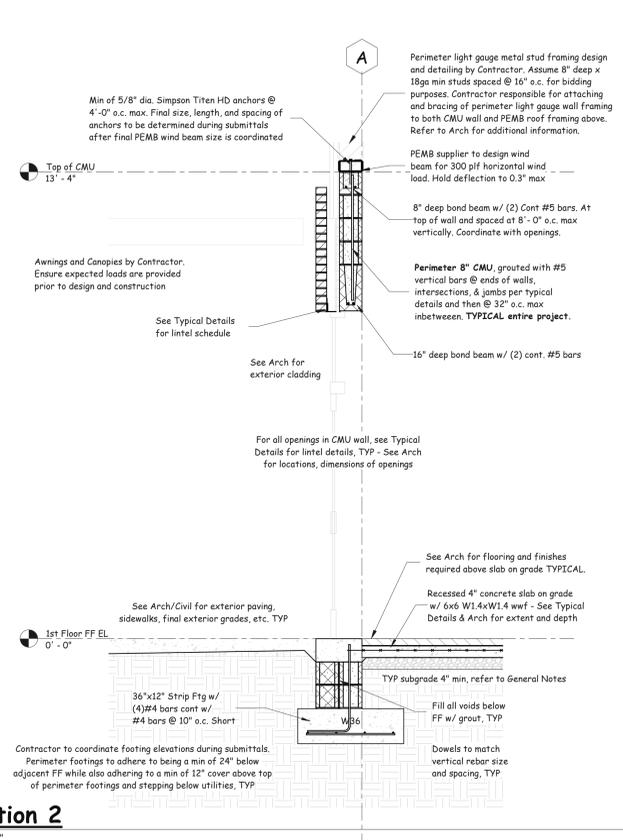
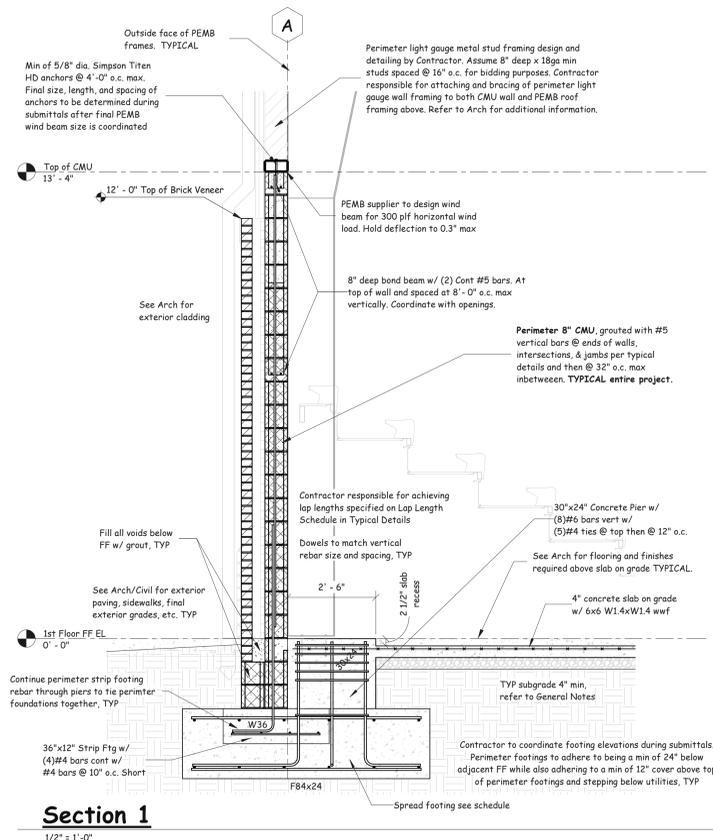
Section 2
3/8" = 1'-0"



Section 3
3/8" = 1'-0"

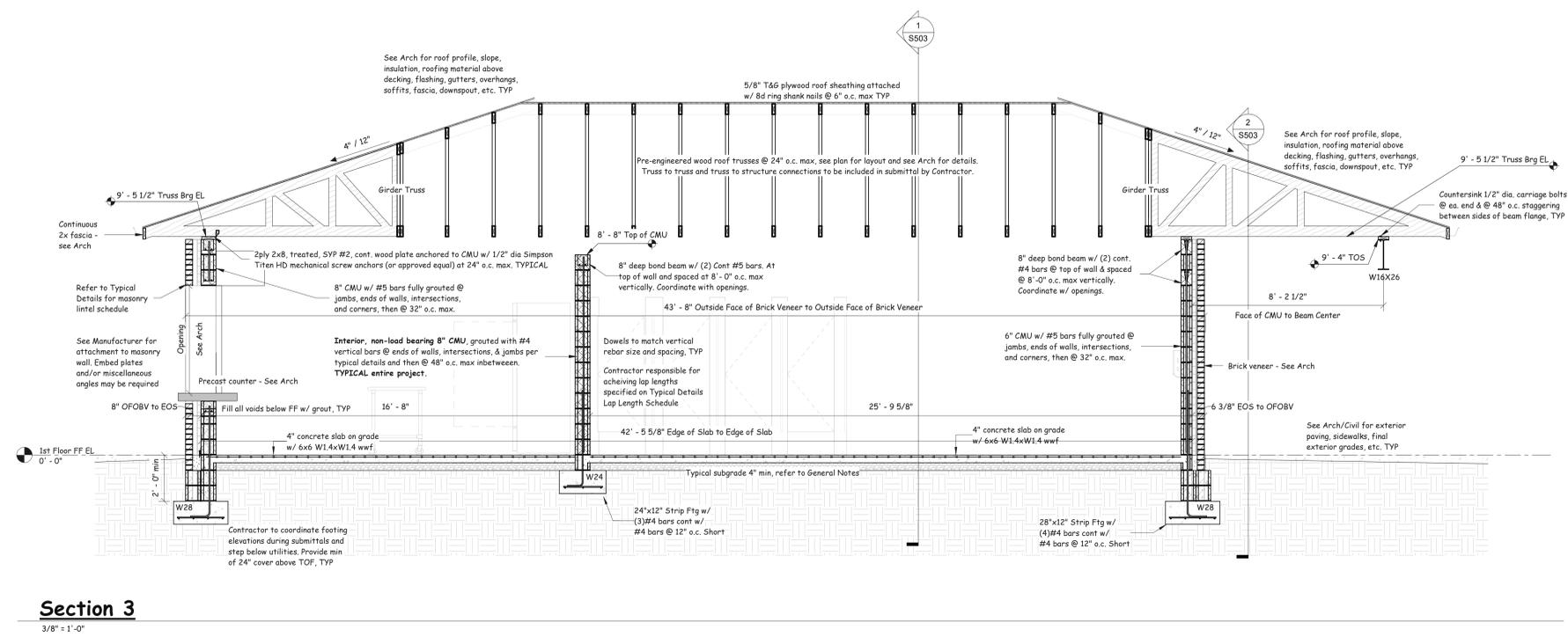
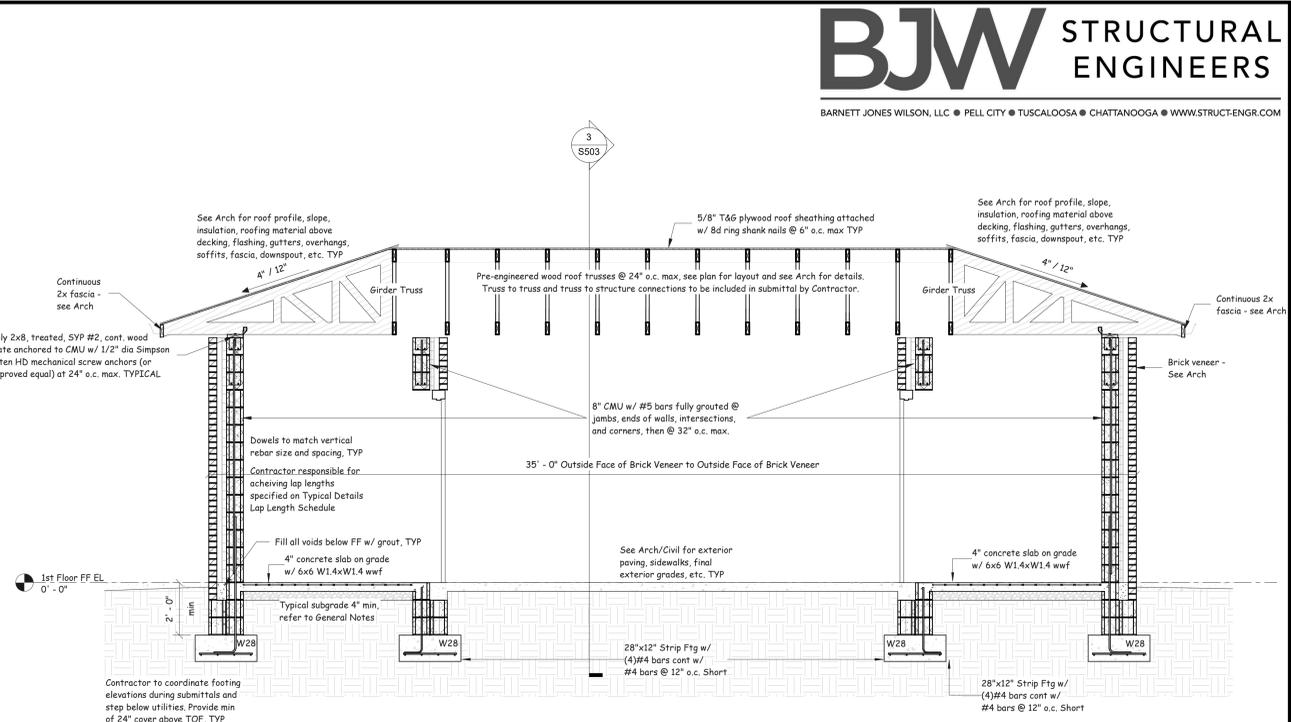
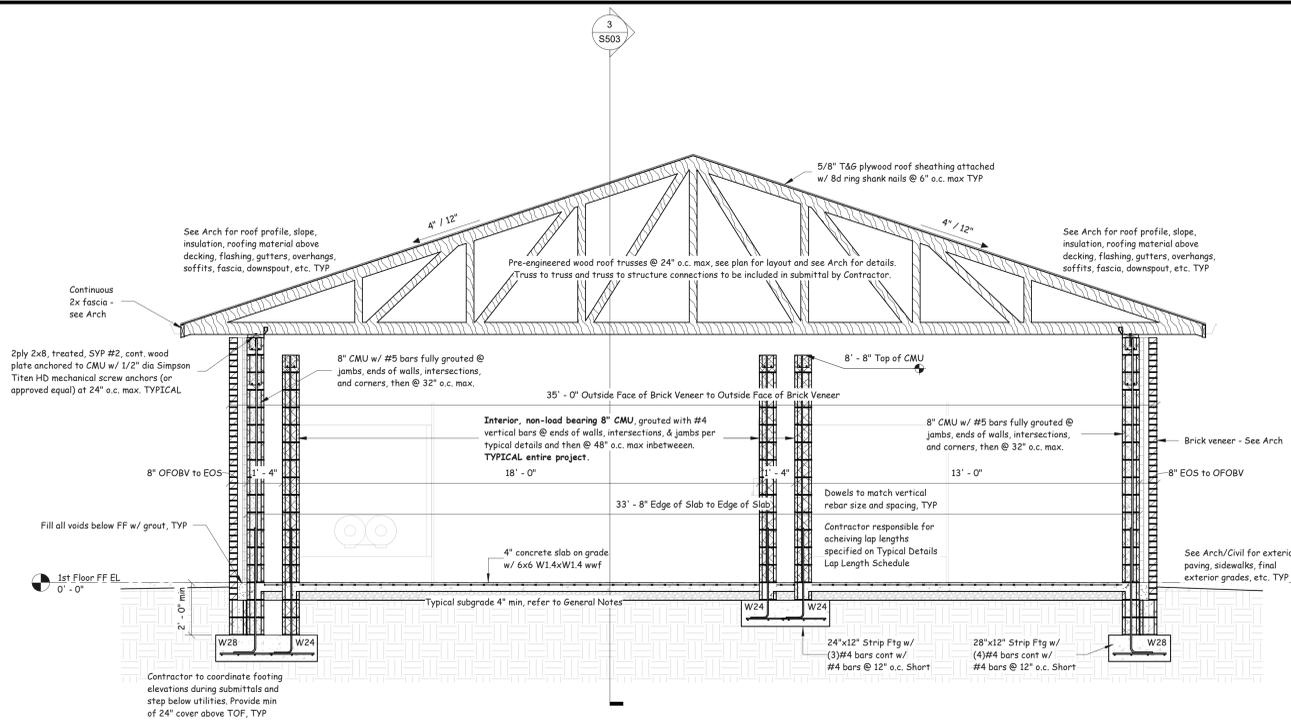


Section 4
3/8" = 1'-0"



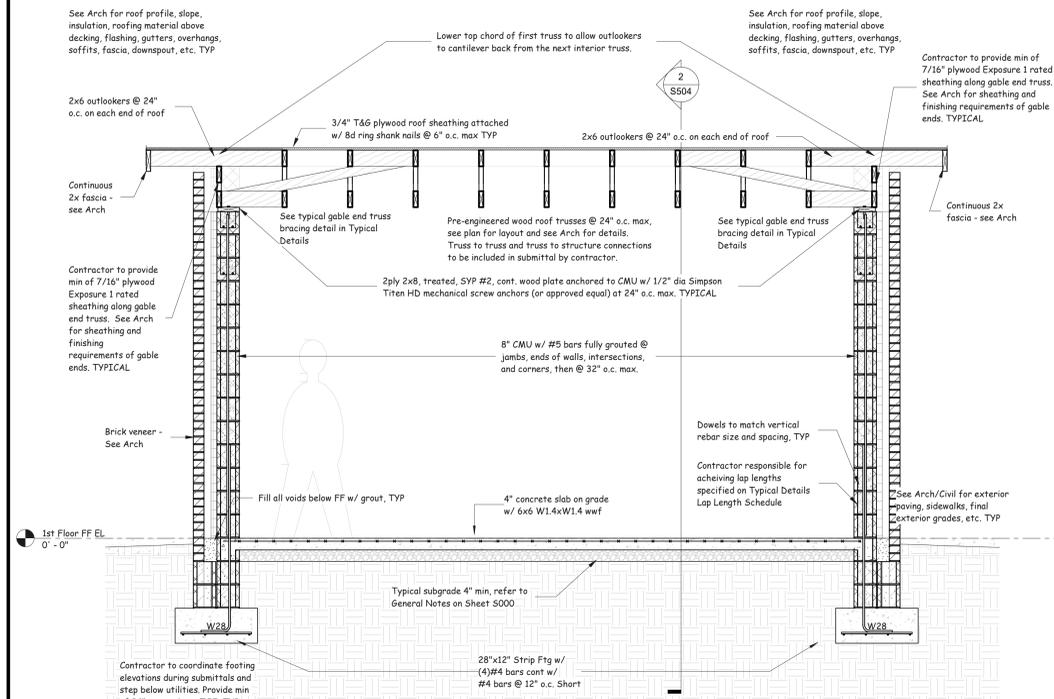
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PROJ NO:	25-032	
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SECTIONS & DETAILS		

S502

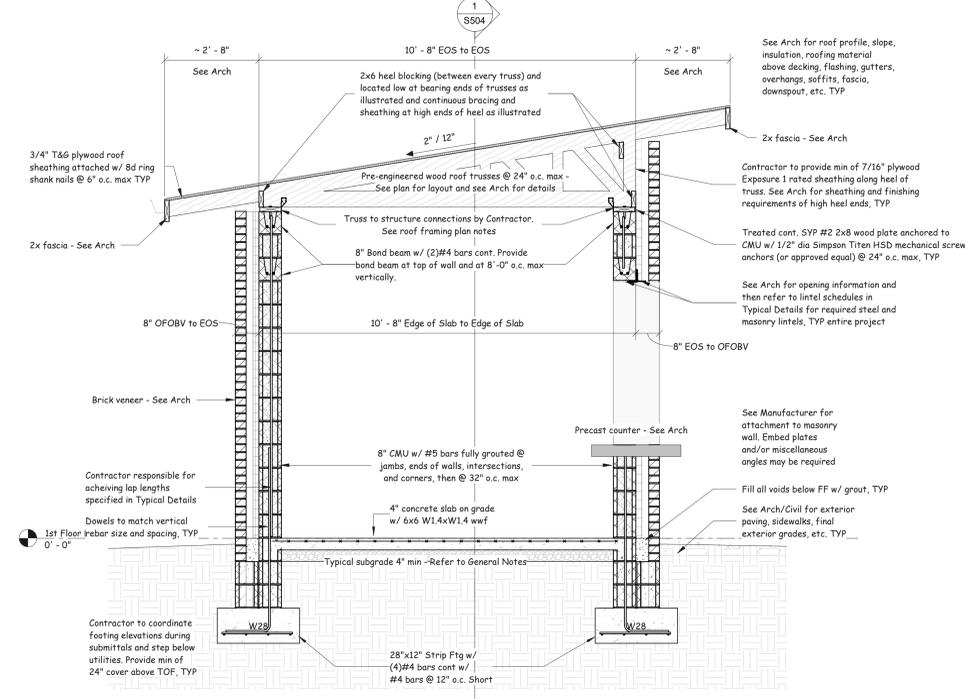


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PROJ NO:	25-032	
REVISIONS		
#	DESC	DATE
SECTIONS & DETAILS		

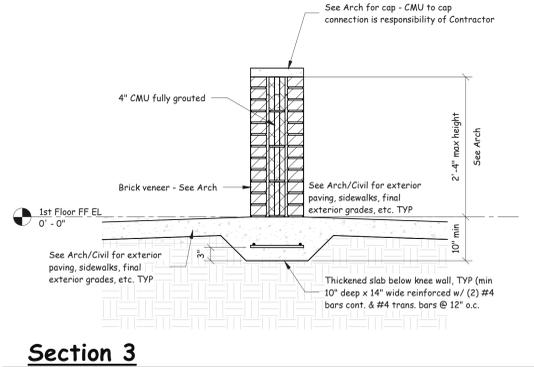
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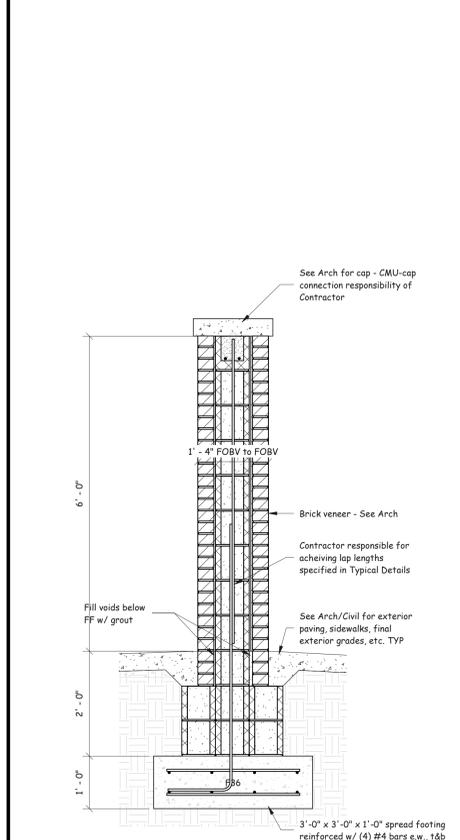
Section 1
1/2" = 1'-0"



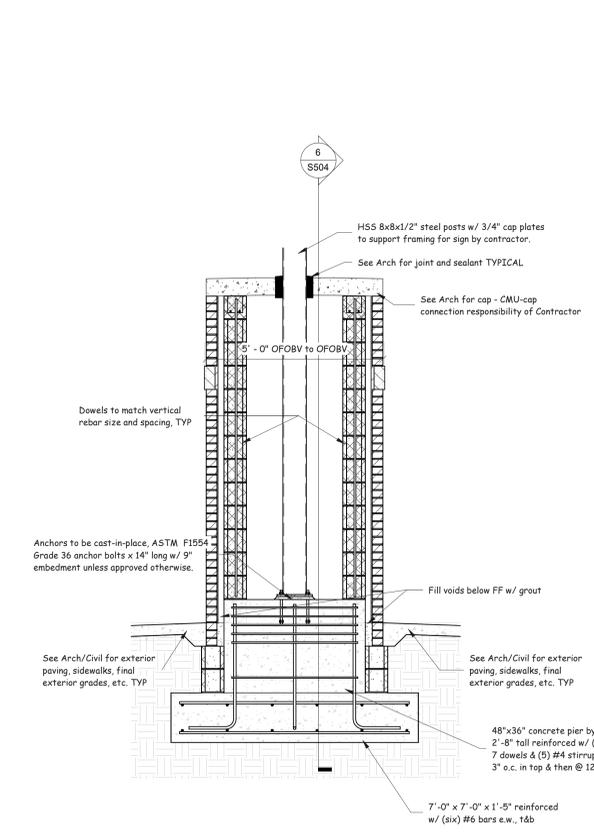
Section 2
1/2" = 1'-0"



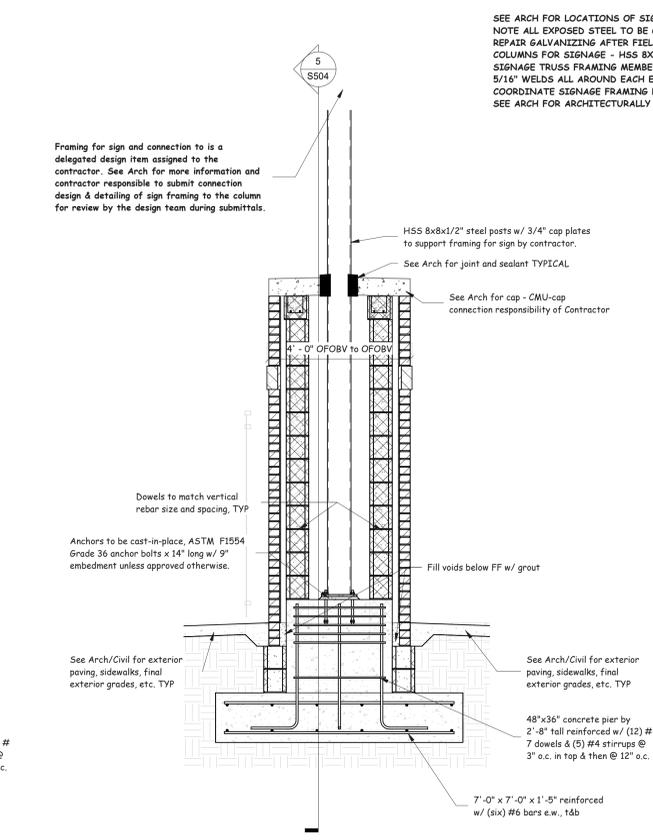
Section 3
3/4" = 1'-0"



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

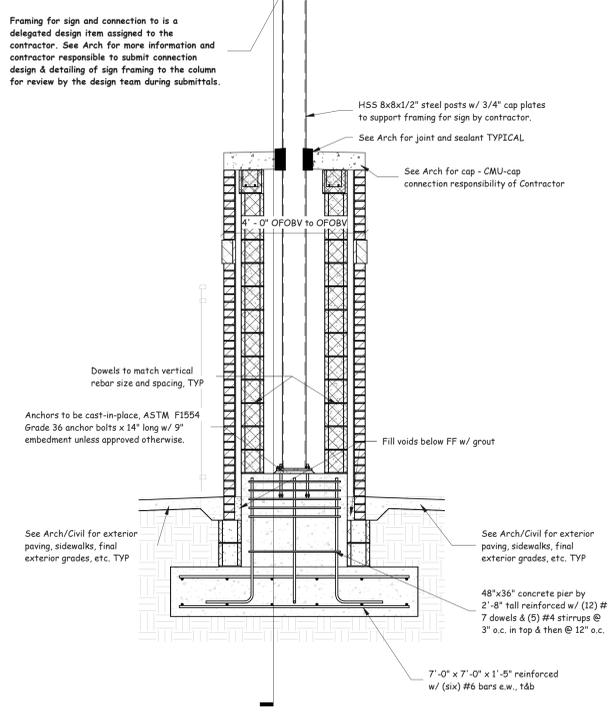


Section 5
1/2" = 1'-0"

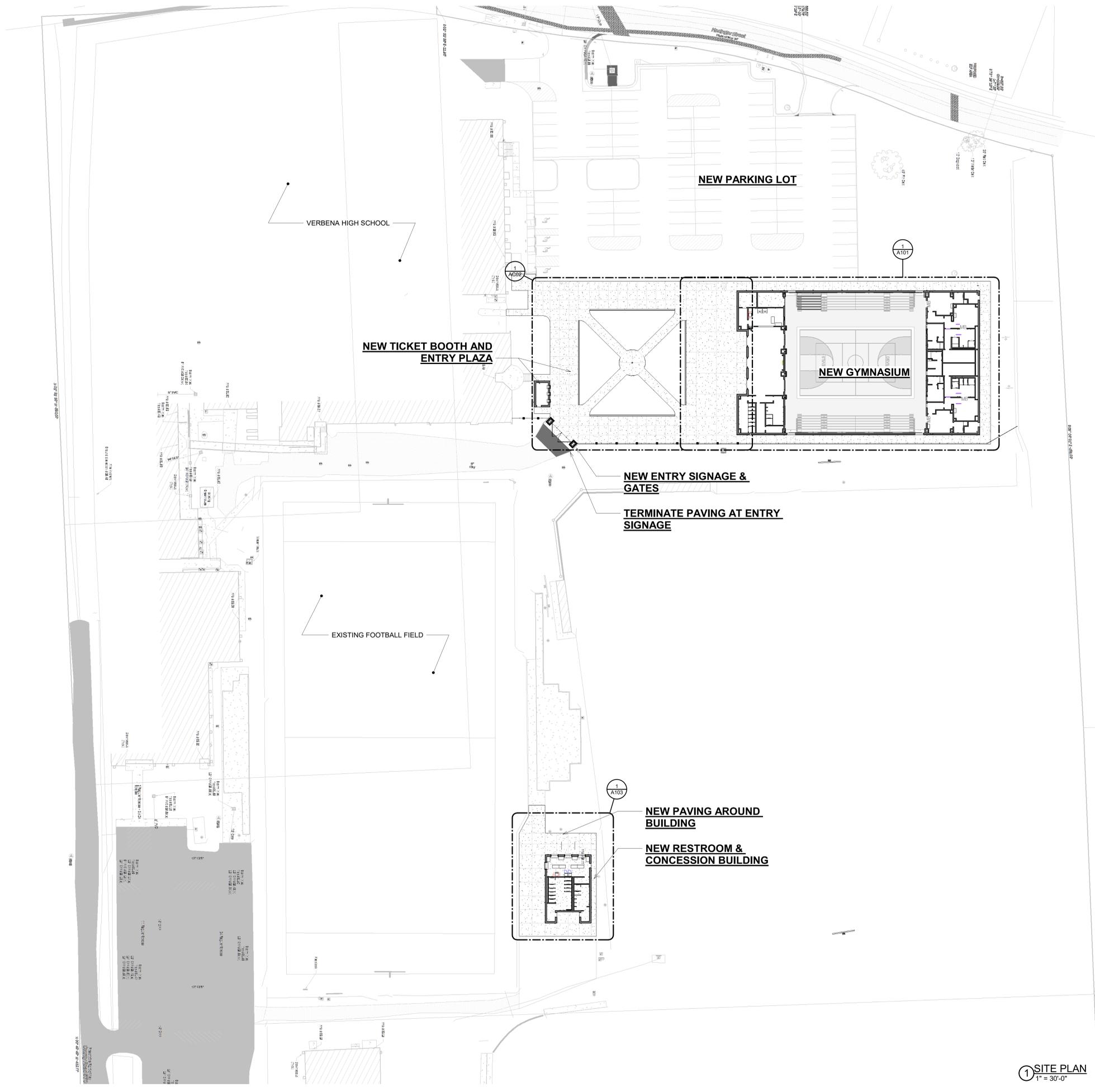


Section 6
1/2" = 1'-0"

SEE ARCH FOR LOCATIONS OF SIGNAGE.
NOTE ALL EXPOSED STEEL TO BE GALVANIZED UNLESS NOTED OTHERWISE BY ARCHITECT.
REPAIR GALVANIZING AFTER FIELD WELDING.
COLUMNS FOR SIGNAGE - HSS 8X8X1/2".
SIGNAGE TRUSS FRAMING MEMBERS - HSS 8X8X3/8" FULLY WELDED TO COLUMNS W/ MIN OF 5/16" WELDS ALL AROUND EACH END.
COORDINATE SIGNAGE FRAMING LAYOUT DURING SUBMITTALS. REFER TO ARCH.
SEE ARCH FOR ARCHITECTURALLY EXPOSED CONNECTION FINISHING REQUIREMENTS.



Section 7
1/2" = 1'-0"



1 SITE PLAN
1" = 30'-0"



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 202 COUNTY ROAD 510, VERBENA, AL 36091



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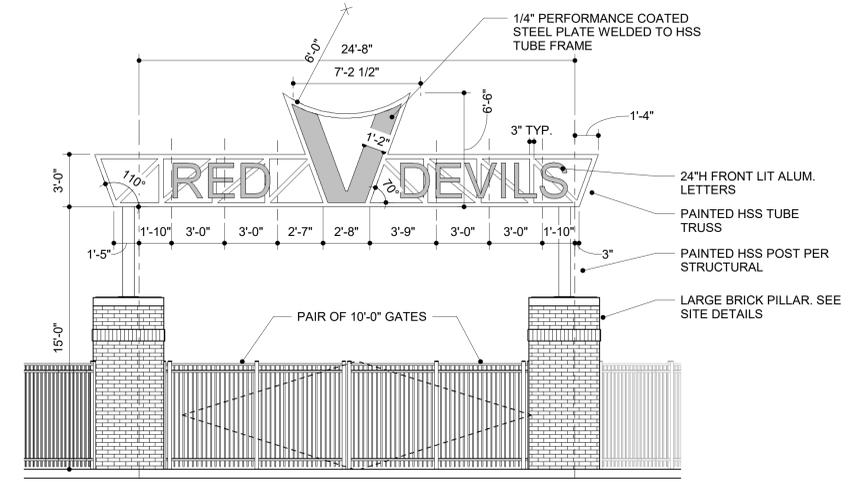
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PROJ NO: 25-032

REVISIONS

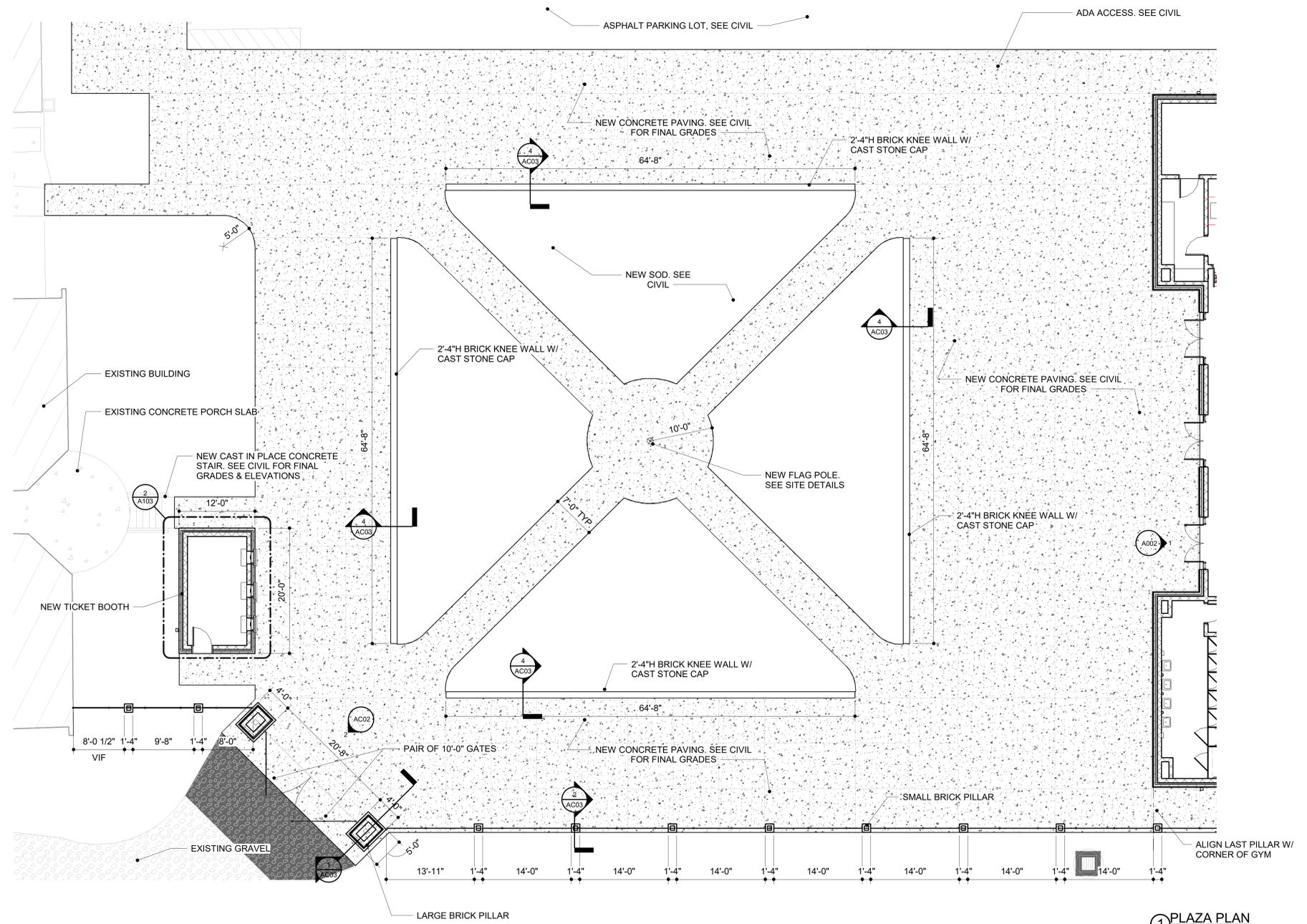
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ARCHITECTURAL
SITE PLAN

AC01



2 ENTRY SIGN ELEVATION
1/4" = 1'-0"



1 PLAZA PLAN
1/8" = 1'-0"



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PROJ NO: 25-032

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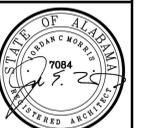
ENLARGED PLAZA PLAN

AC02

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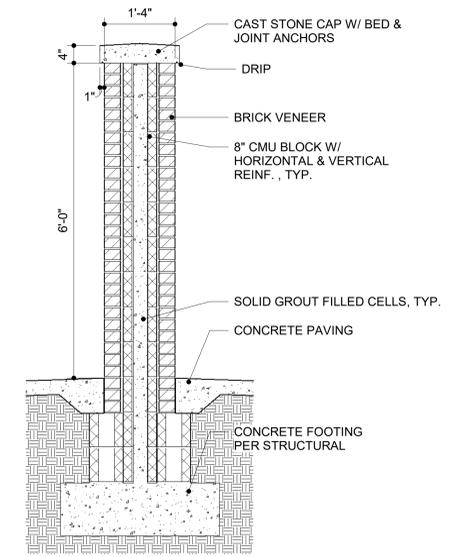
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PROJ NO: 25-032

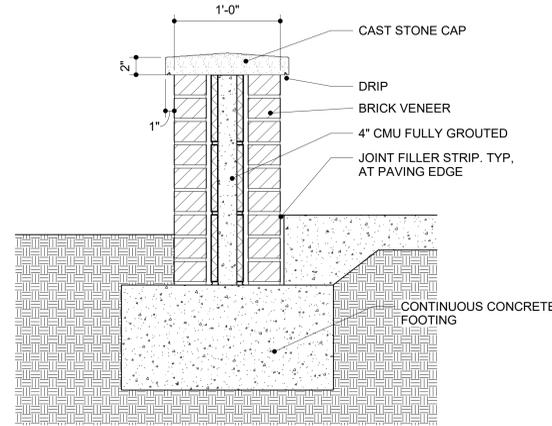
REVISIONS
DESC DATE

SITE DETAILS

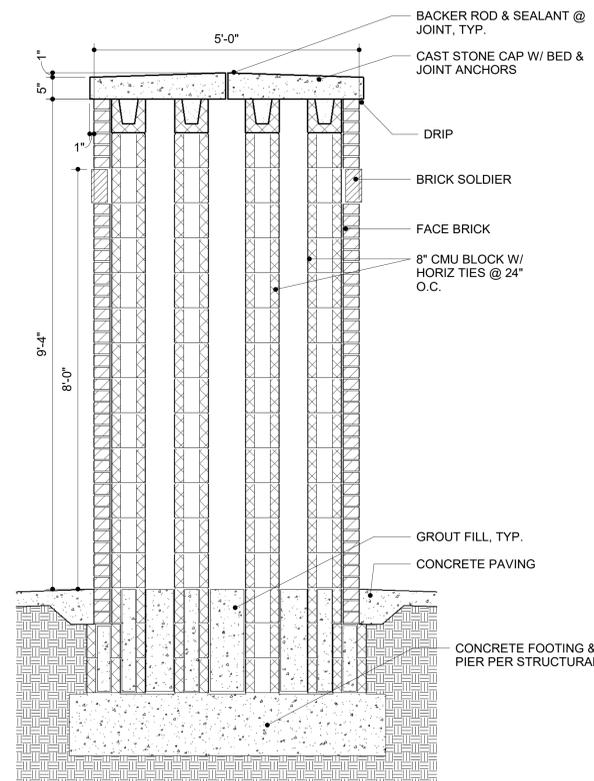
AC03



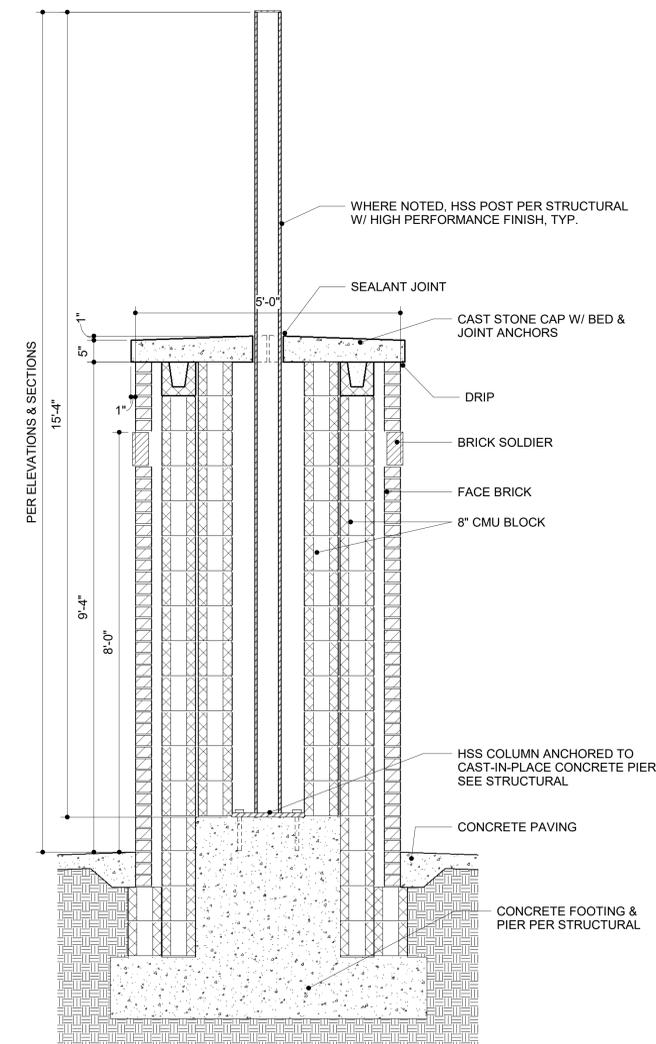
2 SITE DETAIL - SMALL BRICK PILLAR
3/4" = 1'-0"



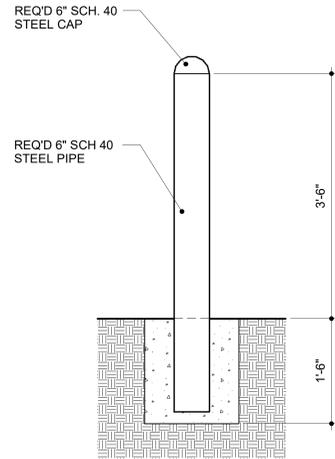
4 SITE DETAIL - BRICK KNEE WALL
1 1/2" = 1'-0"



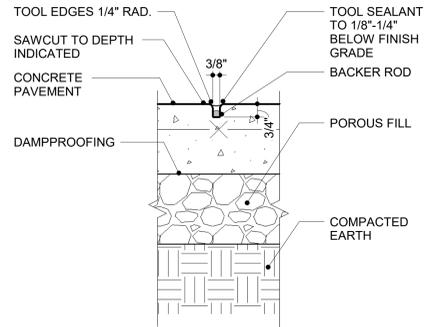
3 SITE DETAIL - LARGE BRICK PILLAR
3/4" = 1'-0"



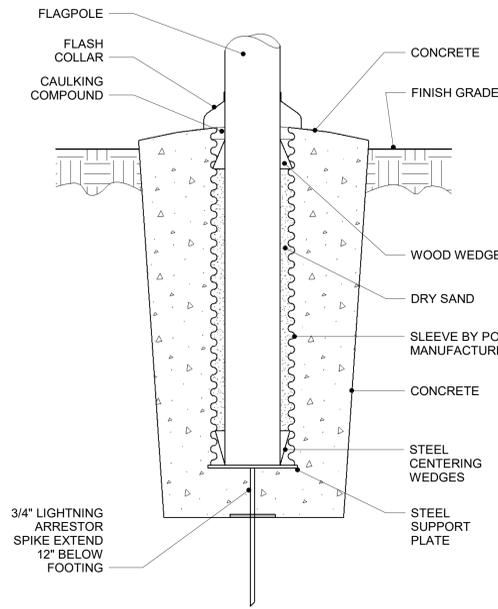
1 SITE DETAIL - LARGE BRICK PILLAR W/ SIGN POST
3/4" = 1'-0"



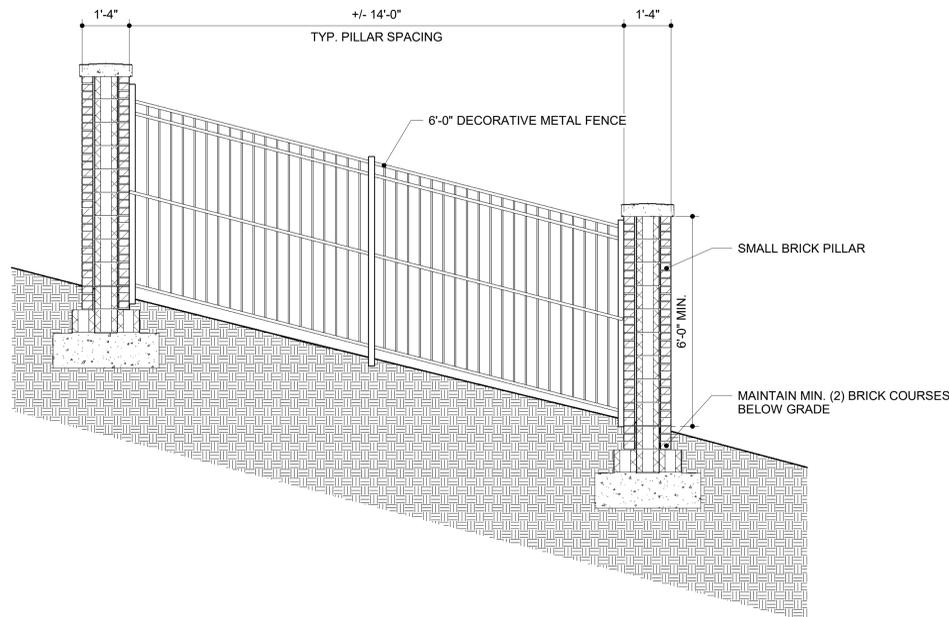
7 BOLLARD DETAIL
1" = 1'-0"



6 CONTROL JOINT DETAIL
3" = 1'-0"



8 FLAG POLE DETAIL
1 1/2" = 1'-0"



5 SITE DETAIL - TYP. BRICK & DEC. MTL SITE FENCING
1/2" = 1'-0"

ROOM FINISH SCHEDULE															
ROOM NUMBER	ROOM NAME	FLOOR	BASE	WAINSCOT MAT.	WAINSCOT HT.	WALL- NORTH	WALL- SOUTH	WALL- EAST	WALL- WEST	TRIM	MILLWORK FINISHES	CEILING MAT.	CEILING HT.	COMMENTS	ROOM NUMBER
1101	LOBBY	PC-1,PC-2,PC-3,PC-4	RB-2			PNT-1	PNT-1	PNT-1, PNT-4, PNT-7	PNT-1	PNT-2	SS-1	AC-PNL-A, AC-BAF-A, AC-BAF-B, EXPOSED	VARIES	3,5,6,9,13,22,28	1101
1102	CONCESSIONS	PC-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1, PL-2, SS-1	AC-PNL-C	10'-0"	2,3	1102
1103	CONCESSION STOR	PC-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-C	10'-0"		1103
1104	ELEC & RISER	S-CONC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-C	9'-0"		1104
1105	STORAGE	S-CONC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-C	9'-0"		1105
1106	COURT	AWF-1	AWF-1, RB-5			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EXPOSED	---	7, 12,22,27	1106
1107	VISITOR LOCKER ROOM	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A	10'-0"	1,10,26	1107
1108	TLT / SHWR	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1	AC-PNL-B, GYP BD	VARIES	10,16,17	1108
1109	ELEC.	S-CONC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-C	9'-0"		1109
1110	BOYS' LOCKER ROOM	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A	10'-0"	1,10,22,25	1110
1111	CORR	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A	9'-0"	10	1111
1112	COACH OFFICE	LVT-1	RB-1			PNT-1	PNT-1	PNT-6	PNT-1	PNT-2		AC-PNL-A	9'-0"	24	1112
1113	TLT/ SHWR	RSF-1	RSF-1			PNT-1, GWT-1, GWT-2, GWT-3	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-B, GYP BD	VARIES	4,10,14,15,16,21	1113
1114	COACH TLT	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-B, GYP BD	VARIES	10,16,17	1114
1115	REF. BATHROOM	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-B, GYP BD	VARIES	10,16,17	1115
1116	UNIFORM STOR	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1, PL-2	AC-PNL-C	9'-0"	2,8	1116
1117	UNIFORM STOR	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1, PL-2	AC-PNL-C	9'-0"	2,8	1117
1118	REFEREE	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-C	9'-0"		1118
1119	COACH TLT	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-B	9'-0"	10,16,17	1119
1120	TLT/ SHWR	RSF-1	RSF-1			PNT-1	PWT-1, GWT-1, GWT-2, GWT-3	PNT-1	PNT-1	PNT-2		AC-PNL-B, GYP BD	VARIES	4,10,14,15,16,21	1120
1121	COACH OFFICE	LVT-1	RB-1			PNT-1	PNT-1	PNT-6	PNT-1	PNT-2		AC-PNL-A	9'-0"	24	1121
1122	GIRLS' LOCKER ROOM	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A	10'-0"	1,10,22,25	1122
1123	VEST.	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A	9'-0"		1123
1124	VISITOR/VOLLEYBALL LOCKER ROOM	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A	10'-0"	1,10,22,25	1124
1125	TLT/ SHWR	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1	AC-PNL-B, GYP BD	VARIES	10,16,17	1125
1126	UTIL.	S-CONC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-C	9'-0"		1126
1127	MECH	S-CONC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-C	9'-0"		1127
1128	MENS	RSF-1	RSF-1			PNT-1	PNT-1	PWT-1, GWT-1, GWT-2, GWT-3	PNT-1	PNT-2		AC-PNL-B	10'-0"	4,10,14,15,21	1128
1129	VESTIBULE	PC-1	RB-2			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A	10'-0"		1129
1130	JAN	S-CONC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-C	9'-0"		1130
1131	WOMENS	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PWT-1, GWT-1, GWT-2, GWT-3	PNT-2		AC-PNL-B	10'-0"	4,10,14,15,21	1131
1201A	TICKET BOOTH	RSF-2	RSF-2			PNT-1A	PNT-1A	PNT-1A	PNT-1A	PNT-2A		GYP BD/PNT-7	9'-6 3/8"	10,18,22,23	1201A
1301A	WOMEN	RSF-2	RSF-2	PNT-1A,4,5	6'-0"	PNT-1A	PNT-1A	PNT-1A	PNT-1A	PNT-2A		GYP BD/PNT-7	9'-6 3/8"	4,10,18,19,23	1301A
1302	MEN	RSF-2	RSF-2	PNT-1A,4,5	6'-0"	PNT-1A	PNT-1A	PNT-1A	PNT-1A	PNT-2A		GYP BD/PNT-7	9'-6 3/8"	4,10,18,19,23	1302
1303	JAN	RSF-2	RSF-2	PNT-2A	6'-0"	PNT-1A	PNT-1A	PNT-1A	PNT-1A	PNT-2A		GYP BD/PNT-7	9'-6 3/8"	10,18,20,23	1303
1304	CONCESSIONS	RSF-2	RSF-2	PNT-1A,4,5	6'-0"	PNT-1A	PNT-1A	PNT-1A	PNT-1A	PNT-2A		GYP BD/PNT-7	9'-6 3/8"	10,18,19,23	1304

GENERAL NOTES	
•	ALL GYP SURFACES TO RECEIVE EGGSHELL PAINT SHEEN. ALL CMU SURFACES TO RECEIVE SEMI-GLOSS SHEEN. ALL TRIM SURFACES TO RECEIVE SEMI-GLOSS SHEEN. GYP BOARD CEILING SHEEN TO BE FLAT.
•	CEILINGS TO BE PAINTED PNT-3.
•	PROVIDE ADA COMPLIANT METAL TRANSITION STRIPS AS REQUIRED WHERE CHANGES IN FLOORING MATERIAL OCCUR - SEE FINISH LEGEND AND 1/A601 FOR SPECIFIC APPLICATIONS
•	PROVIDE TRANSITION STRIPS/EDGES TRIM AT ALL PORCELAIN TILE LOCATIONS - SEE FINISH LEGEND FOR SPECIFIC APPLICATIONS
•	PROVIDE GRAPHICS ALLOWANCE - SEE SPECIFICATIONS
•	PROVIDE 3MM PVC EDGE BANDING TO MATCH HIGH PRESSURE LAMINATES - SUBMIT PHYSICAL SAMPLES FOR COLOR APPROVAL.
•	REFER TO PLUMB. AND ELEC. DWGS FOR REQUIREMENTS RELATED TO THOSE TRADES.
•	PROVIDE BLINDS IN WINDOWS AS INDICATED ON DRAWINGS. SEE SPECS.
REFERENCE NOTES	
1.	PROVIDE PNT-4 AND PNT-5 ACCENT STRIPE ON ALL WALLS AS SHOWN IN INTERIOR ELEVATIONS. SEE 1/A401 FOR WALL PAINT PATTERN DETAILS AND 1/A601 FOR WALL LOCATIONS.
2.	MILLWORK FINISHES: PL-1 ON VERTICAL CABINET SURFACES AND PL-2 ON COUNTERTOP WITH FULL BULLNOSE EDGE AND 4" BACKSIDE SPLASHES. SEE INTERIOR ELEVATIONS.
3.	TRANSACTION COUNTER TO BE SS-1 WITH PL-2 SKIRT ON LOBBY SIDE AND PL-1 BASE CABINET ON CONCESSIONS SIDE.
4.	NEW TOILET PARTITIONS TO BE TP-1. SEE SPECIFICATIONS. SEE ELEVATIONS FOR TP-1 ASSIGNMENTS.
5.	SEE 1/A601 FOR FLOOR PATTERN PLAN.
6.	PROVIDE APPROXIMATELY 8" WIDE HIGH SCHOOL LOGO IN CONCRETE DESIGN. SHOP DWGS/SAMPLES OF LOGO DESIGN TO BE APPROVED BY DESIGNER. SEE 1/A601 FOR LOCATION.
7.	COLOR OF BLEACHER SEATS TO BE BLUE AND WALL PADS TO BE RED. PROVIDE 48" WIDE LOGO GRAPHIC ON WALL PADS AS SHOWN ON ELEVATIONS 2/A403. SEE 1/A101 FOR LOCATIONS OF WALL PADS.
8.	PROVIDE 24" DEEP ADJUSTABLE PLASTIC LAMINATE (PL-1) SHELVING ON METAL STANDARDS.
9.	6" H GWB SOFFIT TO BE PAINTED PNT-4 FLAT FINISH ON ALL EXPOSED SIDES AND BOTTOM - SEE RCP.
10.	SEE SPECS FOR RESINOUS FLOORING WEARING SURFACE LOCATION REQUIREMENTS AND FLOOR SYSTEM DETAILS. SEE 7/A406 FOR RESINOUS BASE DETAIL.
11.	SEE 7/A406 FOR ATHLETIC WOOD FLOORING DETAIL.
12.	GYM STRUCTURE TO BE PAINTED PNT-1EP. SEE INTERIOR ELEVATIONS.
13.	PROVIDE CUSTOM TROPHY CASE ON EAST WALL. SEE ELEVATION 2/A401. SEE SPECS.
14.	SEE INTERIOR ELEVATIONS FOR DECORATIVE WALL TILE PATTERN.
15.	PWT-1 TO BE INSTALLED IN RUNNING BOND PATTERN.
16.	SHOWER SOFFIT. TO BE PAINTED PNT-1 ON SIDE AND BOTTOM.
17.	PROVIDE PL-1 ON UPPER CABINET.
18.	PROVIDE 1X4 WOOD TRIM AT TOP OF WALL ADJACENT TO CEILING. TRIM TO BE PAINTED PNT-1A.
19.	SEE 1/A406 FOR TYPICAL WALL PAINT PATTERN.
20.	SEE 2/A406 FOR JANITOR/STORAGE WALL PAINT PATTERN.
21.	SEE ELEVATIONS FOR TS-1 LOCATIONS.
22.	PROVIDE WALL GRAPHICS. COORDINATE WITH ARCHITECT AND OWNER. SEE INTERIOR ELEVATION AND SPECS.
23.	ALL DOOR AND WINDOW FRAMES TO BE PAINTED PNT-2A. SEMI GLOSS SHEEN.
24.	SEE A601 FOR ACCENT PAINT COLOR LOCATIONS.
25.	PROVIDE CUSTOM PHENOLIC LOCKERS. SEE SHEET A101 FOR LOCATIONS. SEE ALLOWANCE
26.	PROVIDE SIT-IN METAL LOCKERS. SEE SHEET A101 FOR LOCATIONS. SEE ALLOWANCE
27.	SEE SHEET A601 FOR RB-4 LOCATIONS, WHERE SEALED CONCRETE IS EXPOSED.
28.	EXPOSED CEILING TO BE PAINTED PNT-7

FLOORING	BASE	WALLS	WALLS	MILLWORK FINISHES	MISCELLANEOUS
AWF-1 ATHLETIC WOOD FLOORING SYSTEM WITH GAMELINES ROBBINS SPORTS SURFACES BIO CHANNEL SB FLOOR SYSTEM STAIN COLOR: TWO-TONE (CLEAR/DARK WOOD STAIN) COURTLINE COLORS: TBD SEE 1/A601 FOR STAIN/COLOR LOCATIONS SEE 5/A331 FOR FLOORING DETAIL	RB-1 RUBBER BASE (THERMOSET) ROPPE STYLE: PINNACLE COVE SIZE: 4" HIGH CONTINUOUS ROLL TOE: STANDARD COLOR: 123 CHARCOAL	PNT-1 GENERAL PAINT SHERWIN WILLIAMS COLOR: GRAY CLOUDS SW 7658	 GWT-1 GLAZED ACCENT WALL TILE TRINITY SURFACES STYLE: WALL TILE COLLECTION COLOR: RED PEPPER FINISH: GLOSSY SIZE: 4" X 10" THICKNESS: 7MM GROUT COLOR: MAPEI - 77 FROST	PL-1 HIGH PRESSURE LAMINATE PIONITE COLOR: TRYTOO SAVATRE WC 105 LOCATION: VERTICAL CABINET SURFACES	TP-1 SOLID PLASTIC (HDPE) TOILET PARTITIONS NFPA 286 APPROVED ASI ACCURATE PARTITIONS COLOR: CHARCOAL #9237 LOCATION: VERBENA HS GYM
LVT-1 LUXURY VINYL TILE TARKETT COLLECTION: EVENT STONE STYLE: PEUS URBAN STONE COLOR: 11203 COSMIC SIZE: 12" X 24" TOTAL THICKNESS: 3 MM WEAR LAYER: 30 MIL INSTALLATION METHOD: QUARTER TURN	RB-2 RUBBER BASE (THERMOPLASTIC) ROPPE STYLE: CONTOURS PROFILED WALL BASE SYSTEM SIZE: 8" H COLOR: 123 CHARCOAL OUTER CORNERS TO BE MITERED	PNT-1EP GENERAL WALL PAINT EPOXY SHERWIN WILLIAMS COLOR: GRAY CLOUDS SW 7658 LOCATION: COURT 1106	 GWT-2 GLAZED ACCENT WALL TILE TRINITY SURFACES STYLE: WALL TILE COLLECTION COLOR: SNOW WHITE FINISH: GLOSSY SIZE: 4" X 10" THICKNESS: 7MM GROUT COLOR: MAPEI - 77 FROST	PL-2 HIGH PRESSURE LAMINATE PIONITE COLOR: DAYDREAMING AG750 LOCATION: COUNTERTOPS	LOCKERS METAL SIT-IN (AWAY) - SEE SPECS METAL DOUBLE (REFEREE) - SEE SPECS CUSTOM PHENOLIC (HOME) - SEE ALLOWANCE
RSF-1 RESINOUS FLOORING WITH 6" INTEGRAL BASE SHERWIN WILLIAMS 1/8" RESUFLOOR DECO FLAKE BC COLOR: METEORITE GP6755FMT WEARING SURFACE: STANDARD AT ALL SCHEDULED LOCATIONS EXCEPT SHOWERS. SEE SPECS FOR MORE INFORMATION. SEE 7/A406 FOR BASE DETAIL.	RB-3 RUBBER BASE ROPPE STYLE: PINNACLE COVE SIZE: 4" H COLOR: 114 LUNAR DUST	PNT-1A GENERAL PAINT SHERWIN WILLIAMS COLOR: DORIAN GRAY SW 7017 LOCATION: ATHLETIC UPGRADES FACILITIES	 GWT-3 GLAZED ACCENT WALL TILE TRINITY SURFACES STYLE: WALL TILE COLLECTION COLOR: COBALT FINISH: GLOSS SIZE: 3" X 6" THICKNESS: 7MM GROUT COLOR: MAPEI - 77 FROST	SS-1 SOLID SURFACE DURASEIN COLOR: ROYAL CARRERA DM 5009 LOCATION: CONCESSION COUNTERTOPS	AWP-A ACOUSTICAL WALL PANEL IMPACT RESISTANT SOUND ABSORBING PANEL
RSF-2 RESINOUS FLOORING WITH 6" INTEGRAL BASE SHERWIN WILLIAMS RESUFLOOR DECO FLAKE BC SPECIAL CUSTOM CASE# 10727522 1/8" RESUFLOOR DECO FLAKE BC COLOR: CS-727522-1CUS TOPCOAT: ELLADUR 4850 WEARING SURFACE: STANDARD AT ALL SCHEDULED LOCATIONS EXCEPT SHOWERS. SEE SPECS FOR MORE INFORMATION. SEE 7/A406 FOR BASE DETAIL. LOCATION: ATHLETIC UPGRADES	RB-4 RUBBER BASE ROPPE STYLE: PINNACLE COVE SIZE: MATCH HEIGHT TO AWF-1 BASE TOE: STANDARD COLOR: 100 BLACK	PNT-2A TRIM PAINT/WAINSCOT COLOR SHERWIN WILLIAMS COLOR: GAUNTLET GRAY 7019 LOCATION: ATHLETIC UPGRADES FACILITIES	 PWT-1 PORCELAIN WALL TILE SOUTH CYPRESS COLLECTION: TEMPO COLOR: DARK GREY SIZE: 12" X 24" THICKNESS: 9MM GROUT: MAPEI - 19 PEARL GRAY INSTALLATION METHOD: SEE ELEVATIONS	CEILING AC-PNL-A ACOUSTICAL CEILING TILE GUILFORD OF MAINE ULTIMA HIGH NRC 15/16" SQUARE LAY-IN #1940 SIZE: 24" X 24" X 7/8" COLOR: WHITE	FABRIC FP-1 ACOUSTICAL PANEL FABRIC GUILFORD OF MAINE PATTERN: STUDIO 54 1405 COLOR: TWILIGHT GLEAM 120 WIDTH: 66" MIN
PC-1 POLISHED CONCRETE CONSOLIDECK COLOR: WELSH SLATE	TRANSITION STRIP TS-1 TRIM AT PORCELAIN WALL TILE EDGES SCHLUTER SYSTEMS JOLLY/SCHIENE FINISH: SATIN NICKEL ANODIZED ALUMINUM (AT)	PNT-2 TRIM PAINT SHERWIN WILLIAMS COLOR: PEPPERCORN SW 7674		AC-PNL-B ACOUSTICAL PANEL CEILING VINYL COVERED GWB	
PC-2 POLISHED CONCRETE AMERIPOLISH COLOR: MIDNIGHT BLACK	TS-2 LVT TO CONCRETE FLOORING TRANSITION SCHLUTER SYSTEMS VINPRO-LJ FINISH: BRUSHED NICKEL ANODIZED ALUMINUM (ATGB)	PNT-3 CEILING PAINT SHERWIN WILLIAMS COLOR: EIDER WHITE 7014		AC-PNL-C ACOUSTICAL PANEL CEILING ARMSTRONG CEILINGS CORTEGA 15/16" SQUARE LAY-IN #770 SIZE: 24" X 24" X 7/8" COLOR: WHITE	
PC-3 POLISHED CONCRETE AMERIPOLISH COLOR: SEPIA	TS-3 ATHLETIC WOOD FLOORING TO CONCRETE/RESINOUS/LVT ROBBINS SPORTS SURFACES MANUFACTURER-PROVIDED THRESHOLD COVER PLATE	PNT-4 ACCENT PAINT BENJAMIN MOORE COLOR: EXOTIC RED 2086-10		AC-BAF-A ACOUSTICAL BAFFLE ARMSTRONG TURF RIDGE BAFFLE COLOR: CHARCOAL 06 SIZE: CUSTOM, SEE DETAIL 2/A501	
PC-4 POLISHED CONCRETE CONSOLIDECK COLOR: AMETHYST	TS-4 CONCRETE TO RESINOUS MANF. RECOMMENDED	PNT-5 ACCENT PAINT SHERWIN WILLIAMS COLOR: SNOWBOUND SW 7004		AC-BAF-B ACOUSTICAL BAFFLE ARMSTRONG TURF RIDGE BAFFLE COLOR: AZURE 31 SIZE: CUSTOM, SEE DETAIL 2/A501	
S-CONC SEALED CONCRETE		PNT-6 ACCENT PAINT SHERWIN WILLIAMS COLOR: AZURE TIDE SW 9684			
		PNT-7 ACCENT PAINT SHERWIN WILLIAMS COLOR: TRICORN BLACK 6258			

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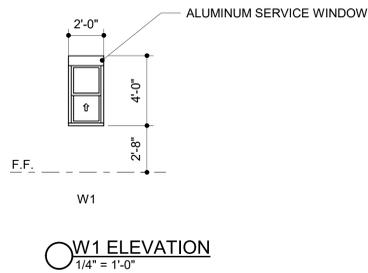
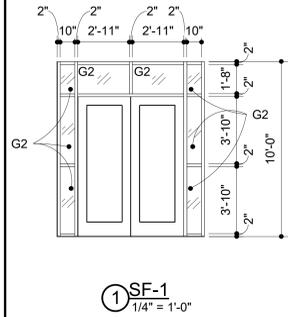
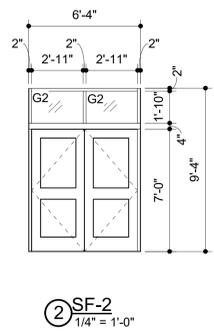
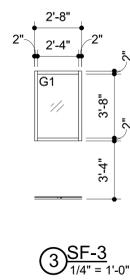
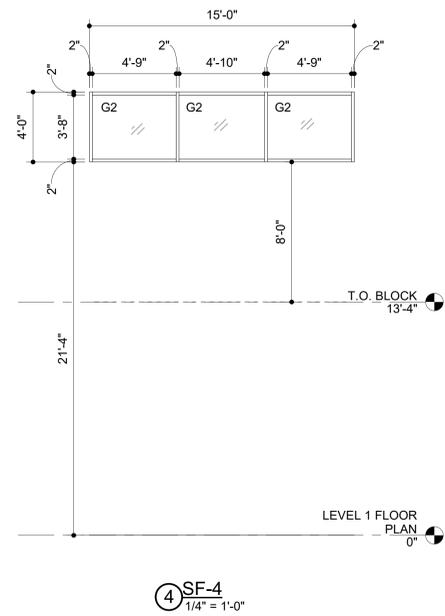
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FINISH SCHEDULE

A001

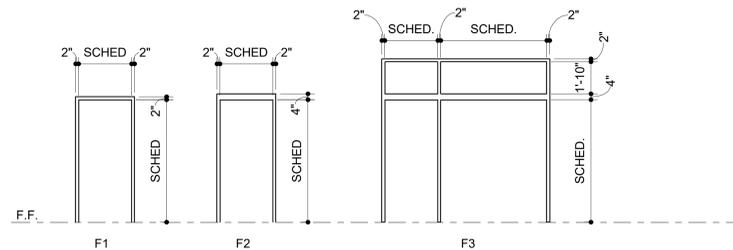
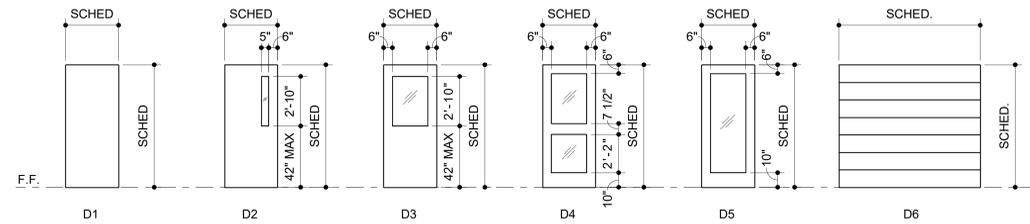


DOOR NUMBER	FIRE RATING	DOOR		DOOR ELEV.	DOOR MATERIAL	DOOR GLAZING	FRAME		FRAME GLAZING	HARDWARE	SIGNAGE	COMMENTS	DOOR NUMBER
		WIDTH	HEIGHT				MATERIAL	ELEV.					
1101A		6'-0"	8'-0"	D4	ALUM	G1	SF1	ALUM	G1	1.0		1	1101A
1101B		6'-0"	8'-0"	D4	ALUM	G1	SF1	ALUM	G1	2.0		1	1101B
1101C		6'-0"	8'-0"	D4	ALUM	G1	SF1	ALUM	G1	2.0		1	1101C
1102A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	10.0			1102A
1102B		12'-0"	3'-10"	D6	MFR	--	MFR	MFR	--	--		3	1102B
1103A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	10.0			1103A
1104A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	9.0			1104A
1105A		6'-0"	8'-0"	D6	MFR	--	MFR	MFR	--	--		2	1105A
1106A		3'-0"	7'-0"	D2	WD	G3	F3	HM	--	8.0			1106A
1106B		6'-0"	7'-0"	D2	WD	G3	F3	HM	--	7.0		1	1106B
1106C		6'-0"	7'-0"	D2	WD	G3	F3	HM	--	7.0		1	1106C
1106D		3'-0"	7'-0"	D2	WD	G3	F3	HM	--	8.0			1106D
1106E		6'-0"	7'-0"	D4	ALUM	G1	SF2	ALUM	G1	3.0		1	1106E
1106F		6'-0"	7'-0"	D4	ALUM	G1	SF2	ALUM	G1	4.0		1	1106F
1106G		6'-0"	7'-0"	D4	ALUM	G1	SF2	ALUM	G1	4.0		1	1106G
1106H		6'-0"	7'-0"	D4	ALUM	G1	SF2	ALUM	G1	4.0		1	1106H
1107A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	15.0			1107A
1108A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	18.0			1108A
1109A		3'-0"	7'-0"	D1	HM	--	F2	HM	--	6.0			1109A
1110A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	15.0			1110A
1111A		3'-0"	7'-0"	D2	WD	G1	F2	HM	--	14.0			1111A
1112A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	12.0			1112A
1112B		3'-0"	7'-0"	D1	WD	--	F2	HM	--	16.0			1112B
1114A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	18.0			1114A
1115A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	18.0			1115A
1116A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	10.0			1116A
1117A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	10.0			1117A
1118A		3'-0"	7'-0"	D2	WD	G1	F2	HM	--	13.0			1118A
1119A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	18.0			1119A
1121A		3'-0"	7'-0"	D2	WD	G1	F2	HM	--	12.0			1121A
1121B		3'-0"	7'-0"	D1	WD	--	F2	HM	--	16.0			1121B
1122A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	15.0			1122A
1123A		3'-0"	7'-0"	D1	WD	G1	F2	HM	--	14.0			1123A
1124A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	15.0			1124A
1125A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	18.0			1125A
1126A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	5.0			1126A
1127A		2'-6"	7'-0"	D1	HM	--	F2	HM	--	17.0			1127A
1128A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	14.0			1128A
1130A		2'-6"	7'-0"	D1	WD	--	F2	HM	--	11.0			1130A
1131A		3'-0"	7'-0"	D1	WD	--	F2	HM	--	14.0			1131A
1201A		3'-0"	7'-0"	D1	HM	--	F2	HM	--	20.0			1201A
1301A		3'-0"	7'-0"	D1	HM	--	F2	HM	--	22.0			1301A
1302A		3'-0"	7'-0"	D1	HM	--	F2	HM	--	22.0			1302A
1303A		3'-0"	7'-0"	D1	HM	--	F2	HM	--	23.0			1303A
1304A		3'-0"	7'-0"	D1	HM	--	F2	HM	--	21.0			1304A
1304B		5'-8"	4'-8"	D6	MFR	--	MFR	MFR	--	--		3	1304B
1304C		5'-8"	4'-8"	D6	MFR	--	MFR	MFR	--	--		3	1304C
1304D		5'-8"	4'-8"	D6	MFR	--	MFR	MFR	--	--		3	1304D
1304E		5'-8"	4'-8"	D6	MFR	--	MFR	MFR	--	--		3	1304E

DOOR SCHEDULE LEGEND:
 ALUM - ALUMINUM
 HM - HOLLOW METAL
 MFR - MANUFACTURER'S STANDARD
 WD - WOOD

GLAZING LEGEND:
 G1 - CLEAR TEMPERED GLASS
 G2 - TEMPERED, INSULATED, SECURITY, REFLECTIVE GLAZING

DOOR SCHEDULE COMMENTS:
 1. PAIR OF DOORS
 2. INTERIOR OVERHEAD COILING DOOR
 3. COUNTER-TOP COILING DOOR



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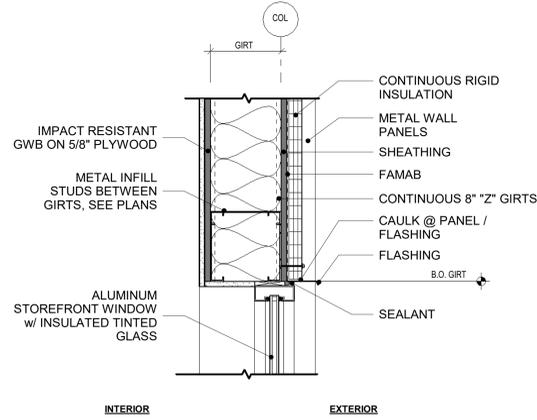
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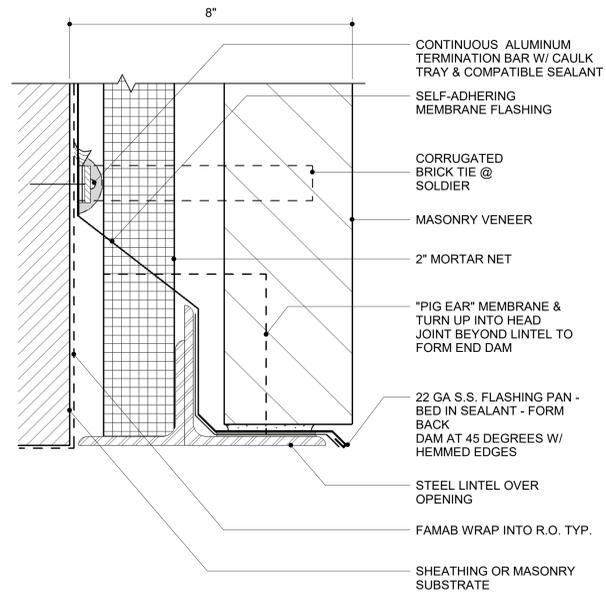
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OPENING SCHEDULES & ELEVATIONS

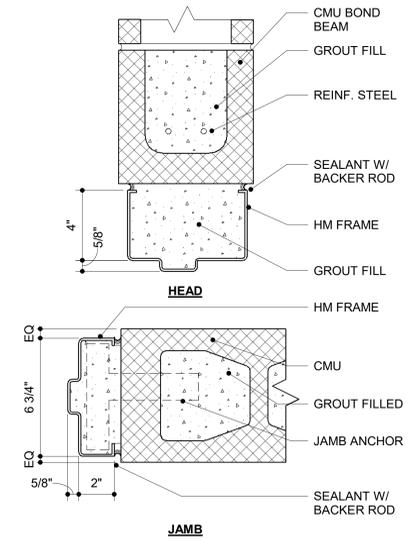
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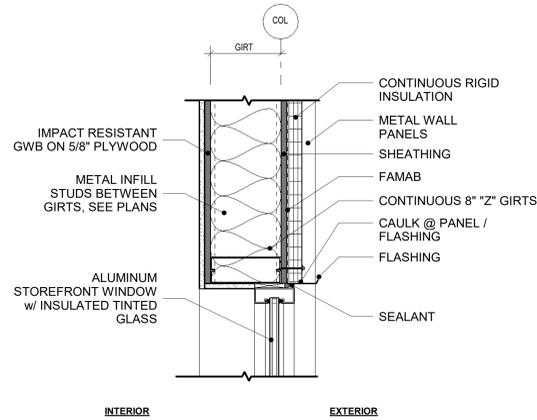
8 STOREFRONT HEAD AT MTL GIRT
1 1/2" = 1'-0"



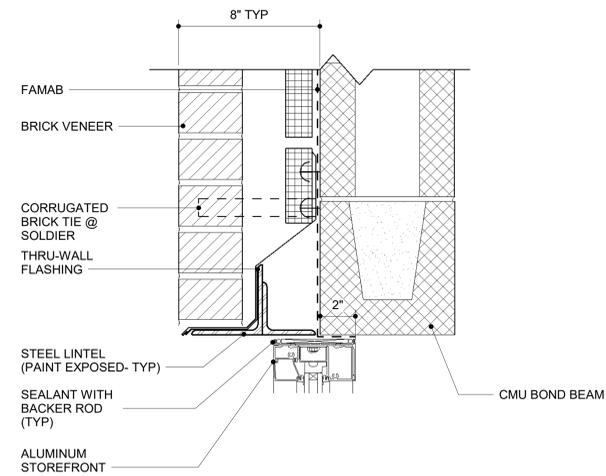
5 EMBEDDED FLASHING AT OPENING HEAD 8" CAVITY
6" = 1'-0"



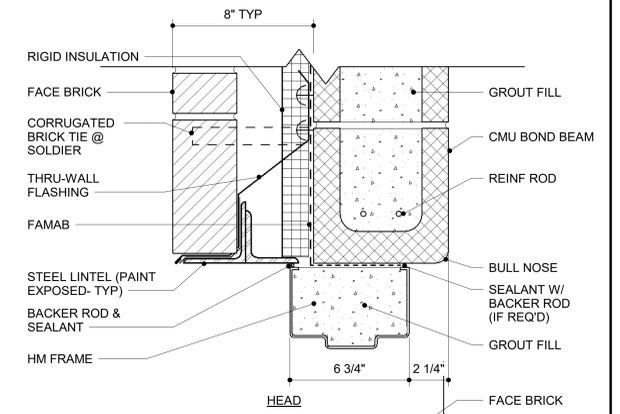
2 HM FRAME AT INTERIOR CMU WALL
3" = 1'-0"



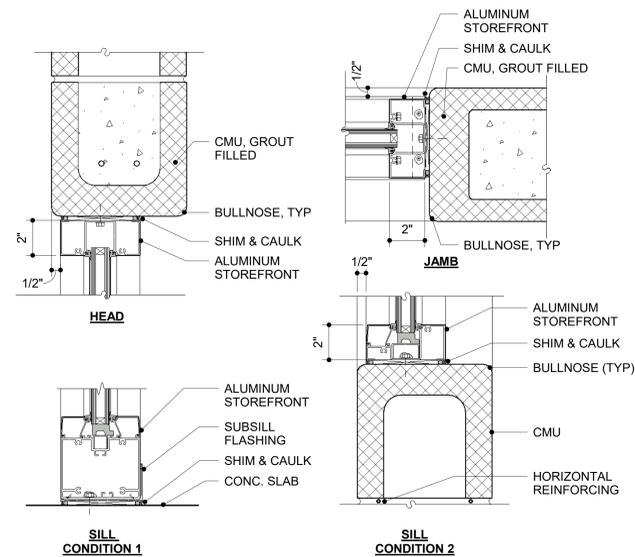
7 STOREFRONT JAMB AT MTL GIRT
1 1/2" = 1'-0"



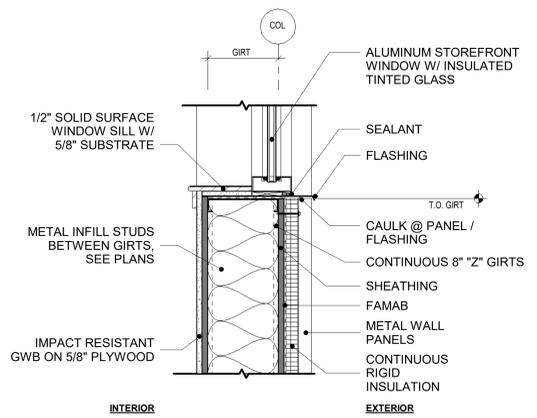
4 TYPICAL EXTERIOR STOREFRONT OPENING HEAD
3" = 1'-0"



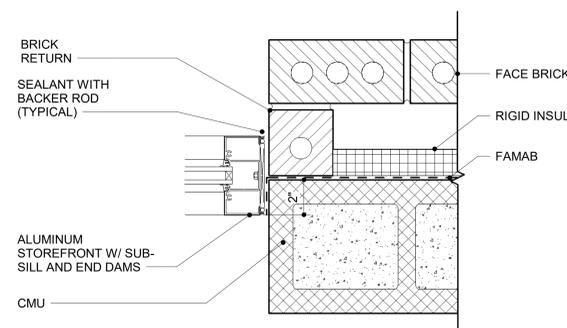
1 HM FRAME AT BRICK ON CMU WALL
3" = 1'-0"



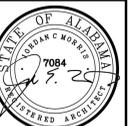
9 STOREFRONT AT INTERIOR CMU WALL
3" = 1'-0"



6 STOREFRONT SILL AT MTL GIRT
1 1/2" = 1'-0"



3 TYPICAL EXTERIOR STOREFRONT JAMB
3" = 1'-0"



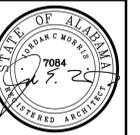
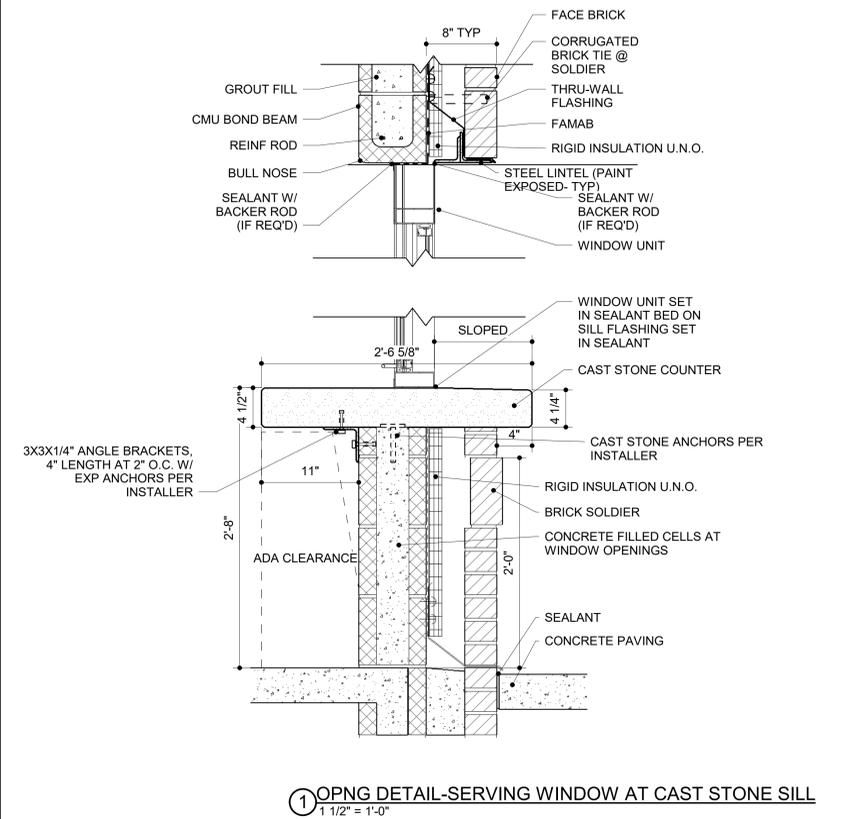
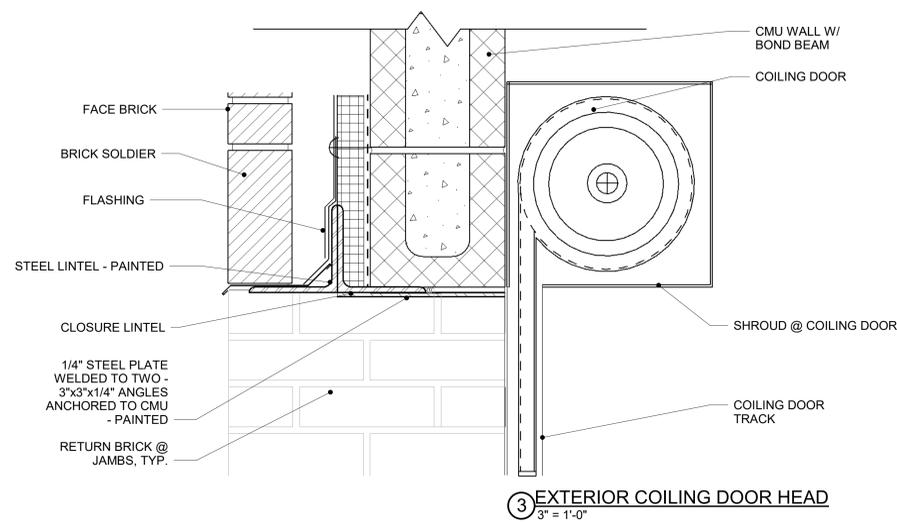
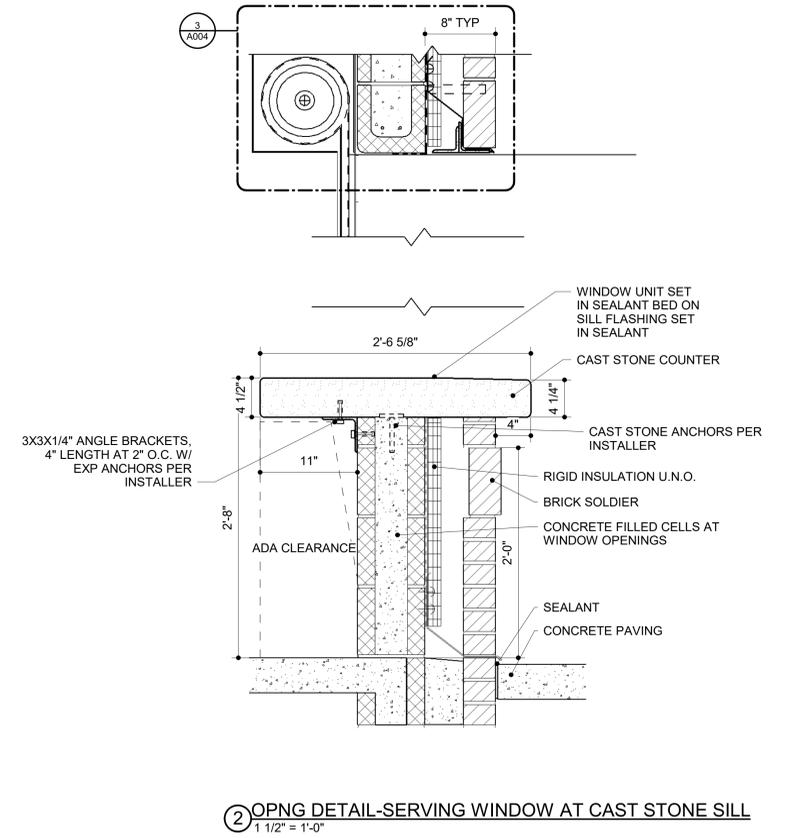
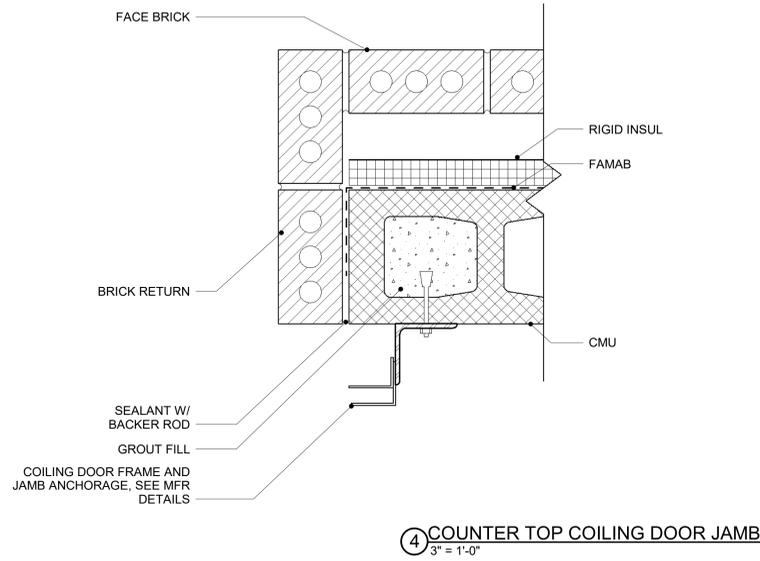
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OPENING DETAILS



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OPENING DETAILS

A004

REFERENCE NOTES	
NUMBER	NOTE
1	RECESSED POST MOUNTS WITH COVERS.
2	SEE A601 & SPECS FOR GYMNASIUM STRIPING PLAN.
3	GYM DIVIDER CURTAIN.
4	WALL PADS - SEE SPECS.

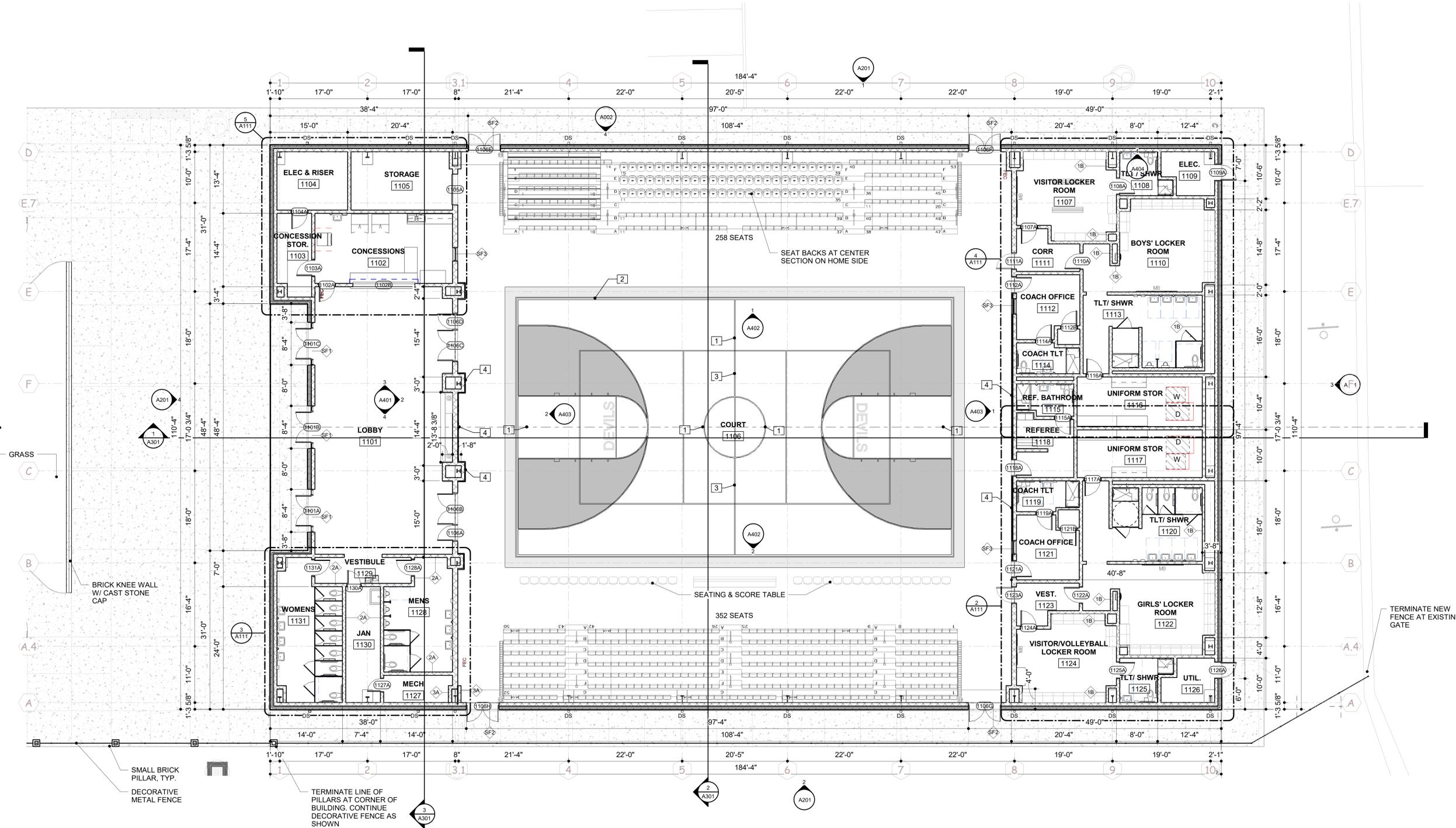
DRAWING LEGEND:

- STUD WALL

- CMU WALL

SEE A316 FOR WALL PARTITION TYPES.
ALL WALLS TYPICAL WALL TYPE U.N.O.

ALL DOORS ARE 4" FROM FACE OF
WALL (ON HINGED SIDE) U.N.O.



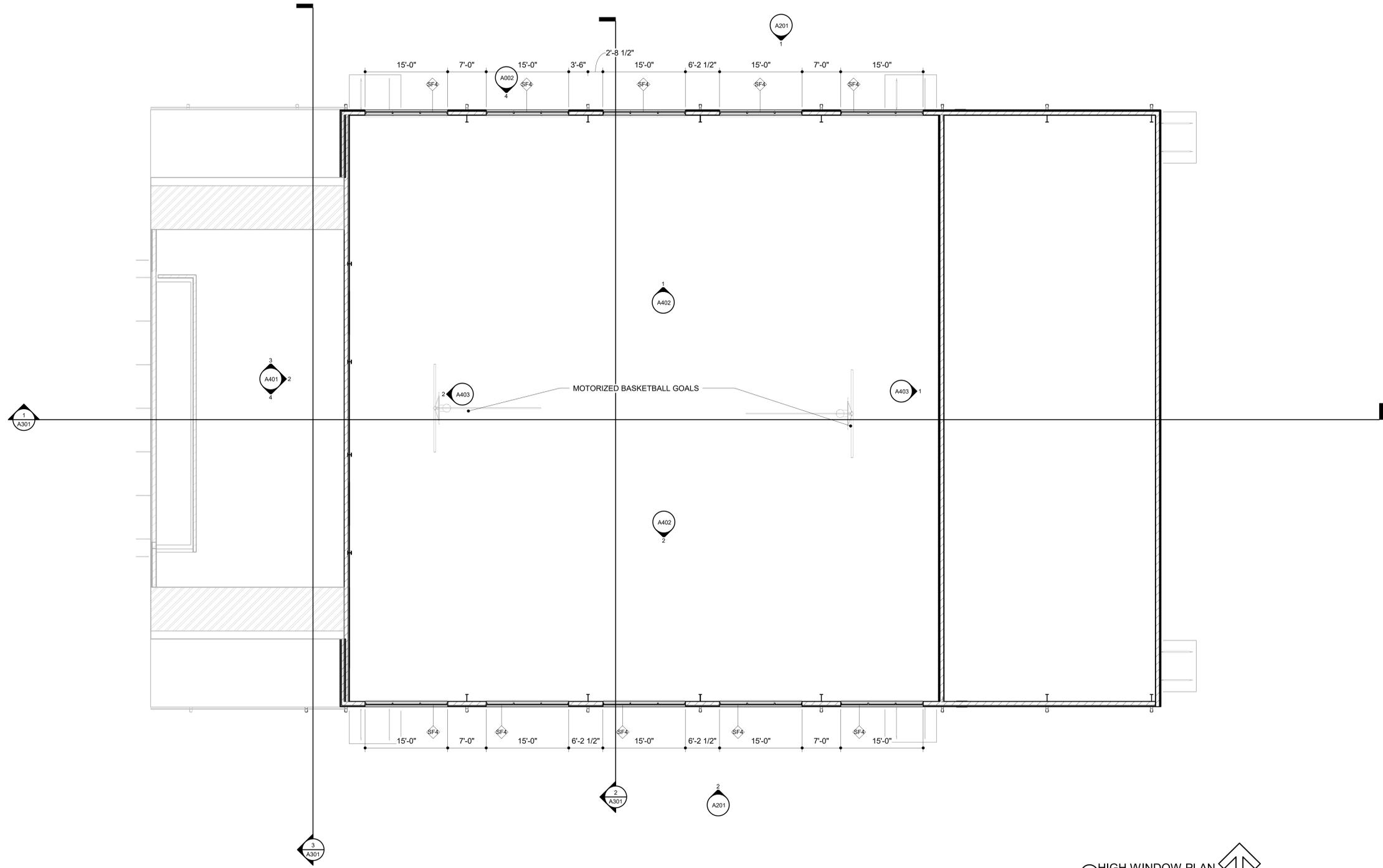
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FLOOR PLAN - GYMNASIUM

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



① HIGH WINDOW PLAN
1/8" = 1'-0"



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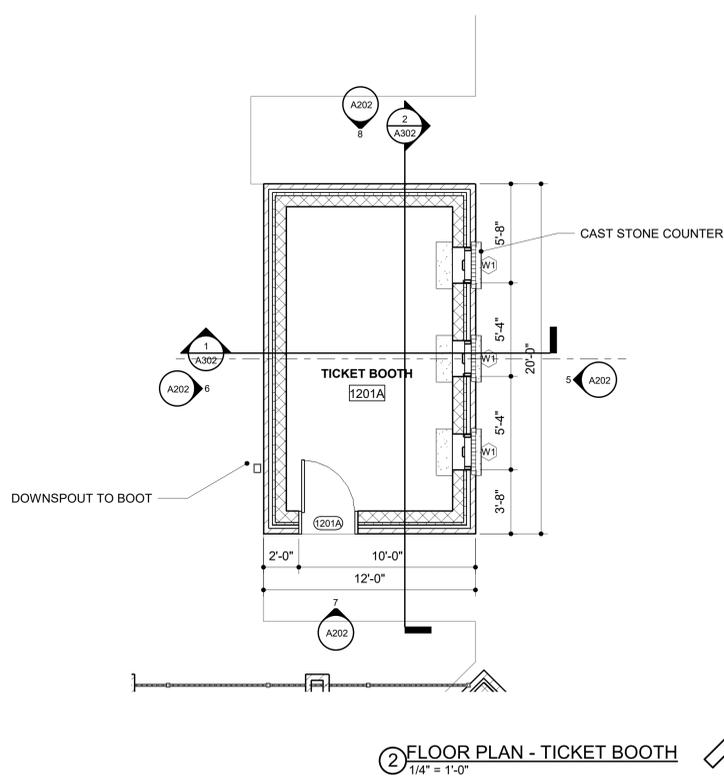
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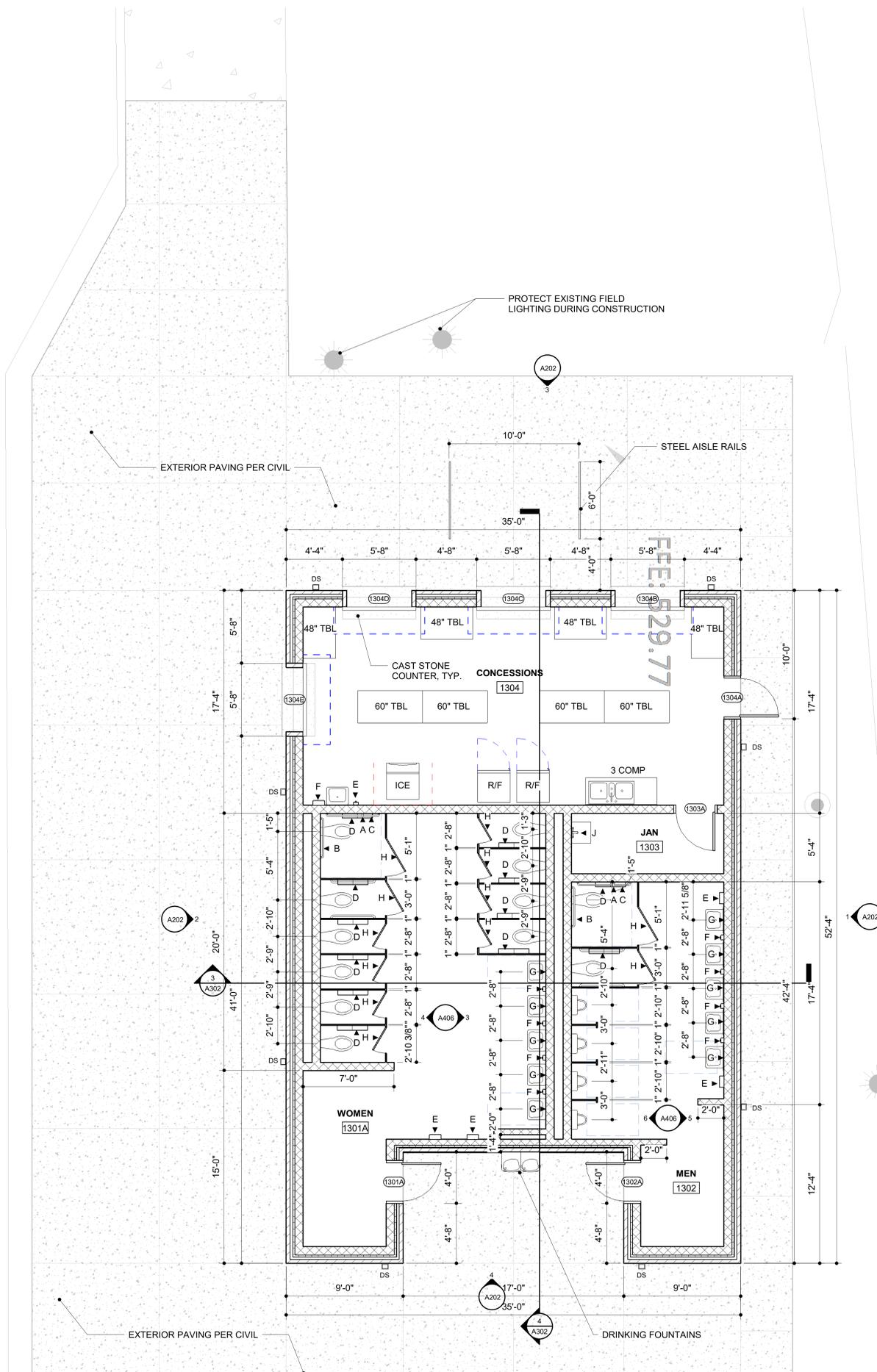
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FLOOR PLAN -
GYMNASIUM LEVEL
2

A102



2 FLOOR PLAN - TICKET BOOTH
1/4" = 1'-0"



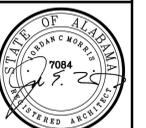
1 FLOOR PLAN - RESTROOM BUILDING
1/4" = 1'-0"



- TOILET ACCESSORY SCHEDULE:**
- ◀ A 18" VERTICAL GRAB BAR
 - ◀ B 42" GRAB BAR
 - ◀ C 48" GRAB BAR
 - ◀ D TOILET TISSUE DISPENSER
 - ◀ E PAPER TOWEL DISPENSER
 - ◀ F SOAP DISPENSER
 - ◀ G MIRROR
 - ◀ H ROBE HOOK
 - ◀ J JANITOR SINK
 - ◀ K SHOWER SEAT
 - ◀ L SHOWER CURTAIN & ROD
 - ◀ M 18" HORIZONTAL GRAB BAR
 - ◀ N 30" HORIZONTAL GRAB BAR
 - ◀ P MOP RACK/SHELF

TOILET ACCESSORY SCHEDULE
1/4" = 1'-0"

- KITCHEN EQUIPMENT SCHEDULE:**
- 3 COMP 3-COMPARTMENT SINK - SEE PLUMBING
 - ICE ICE MACHINE, BASIS-OF-DESIGN:
ATOSA USA
MODEL # YR140-AP-161
ICE MAKER WITH BIN, CUBE STYLE
 - R/F CONVERTIBLE REF/FRZ BASIS-OF-DESIGN:
TRUE MANUFACTURING CO., INC.
MODEL # T-24F-FLX-HC T-23F-FLX-HC
FREESTANDING FREEZER
STAINLESS STEEL EXTERIOR
 - 48" TABLE STAINLESS STEEL WORK TABLE,
BASIS-OF-DESIGN:
REGENCY
ITEM # 600TSB2448S
24" X 48" 16-GAUGE SS WORK TABLE
WITH 4" BACKSPLASH
AND UNDERSHELF
 - 60" TABLE STAINLESS STEEL WORK TABLE,
BASIS-OF-DESIGN:
REGENCY
ITEM # 600TSB2460S
24" X 60" 16-GAUGE SS WORK TABLE
WITH 4" BACKSPLASH
AND UNDERSHELF

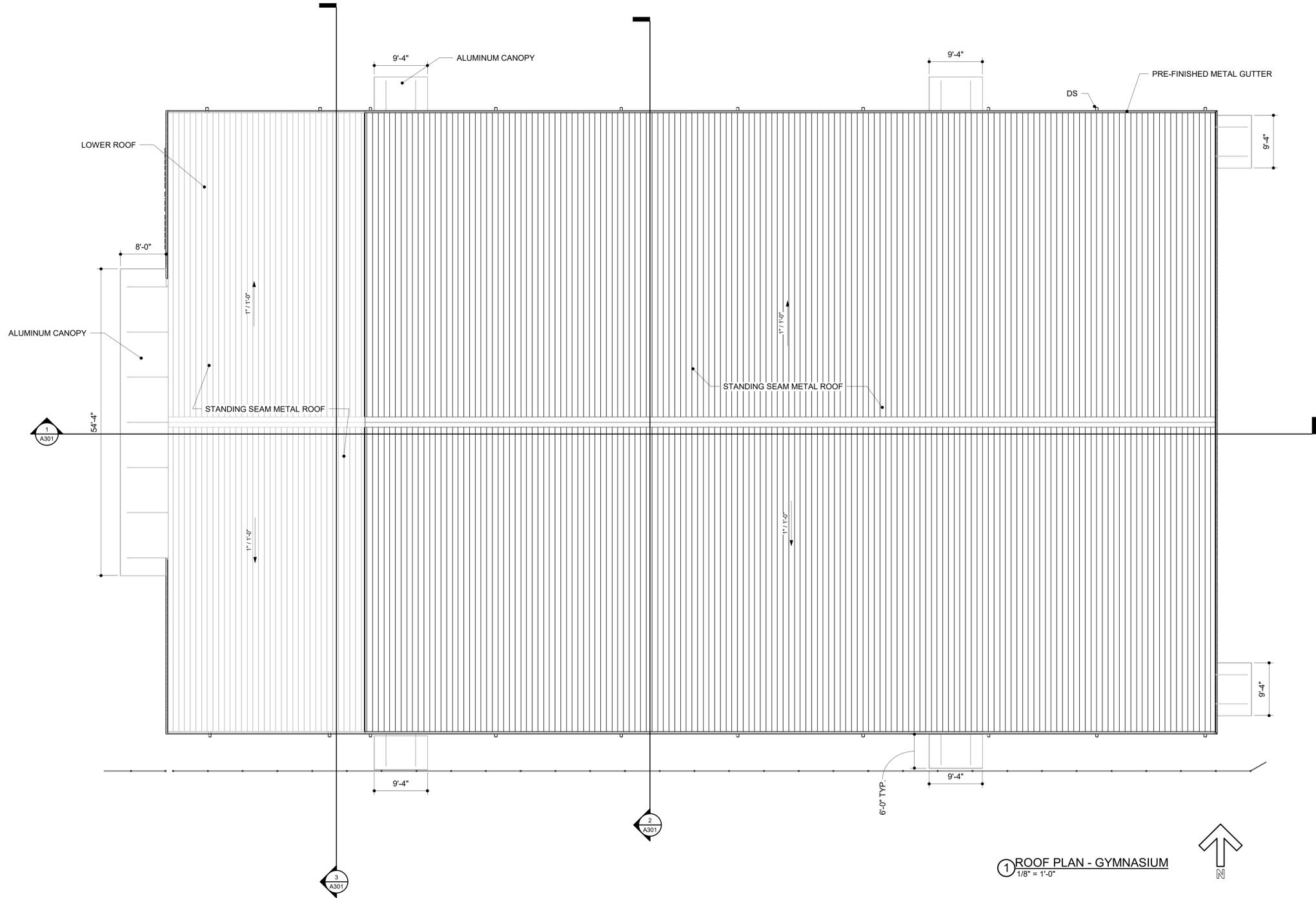


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FLOOR PLAN -
RESTROOMS &
TICKET BOOTH



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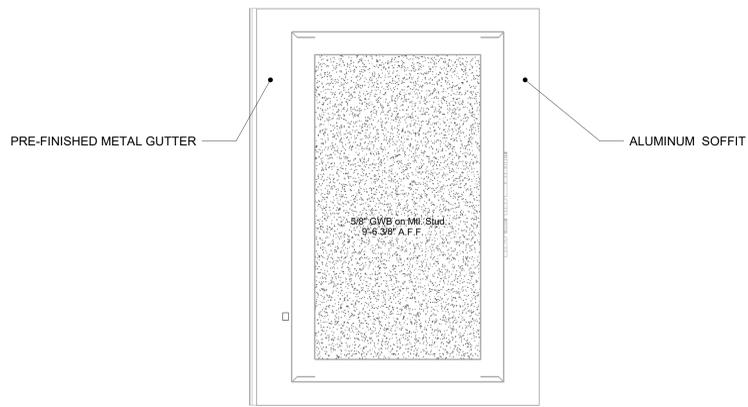
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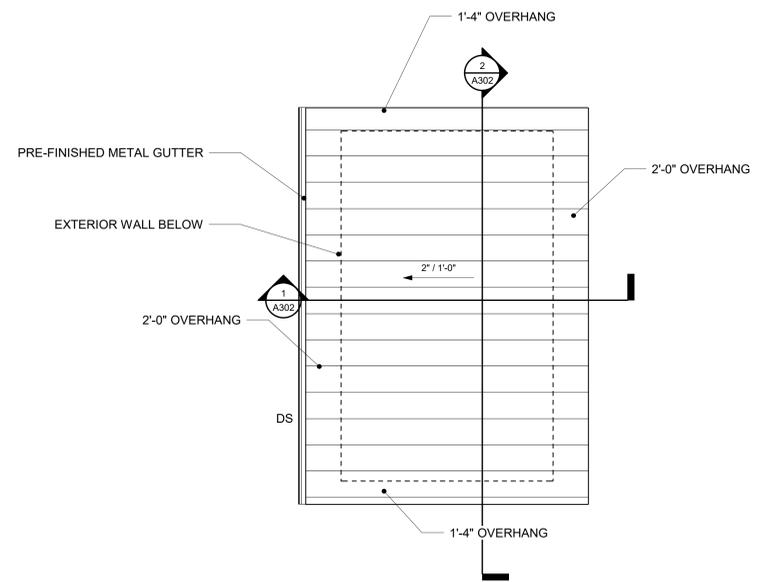
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ROOF PLAN - GYMNASIUM

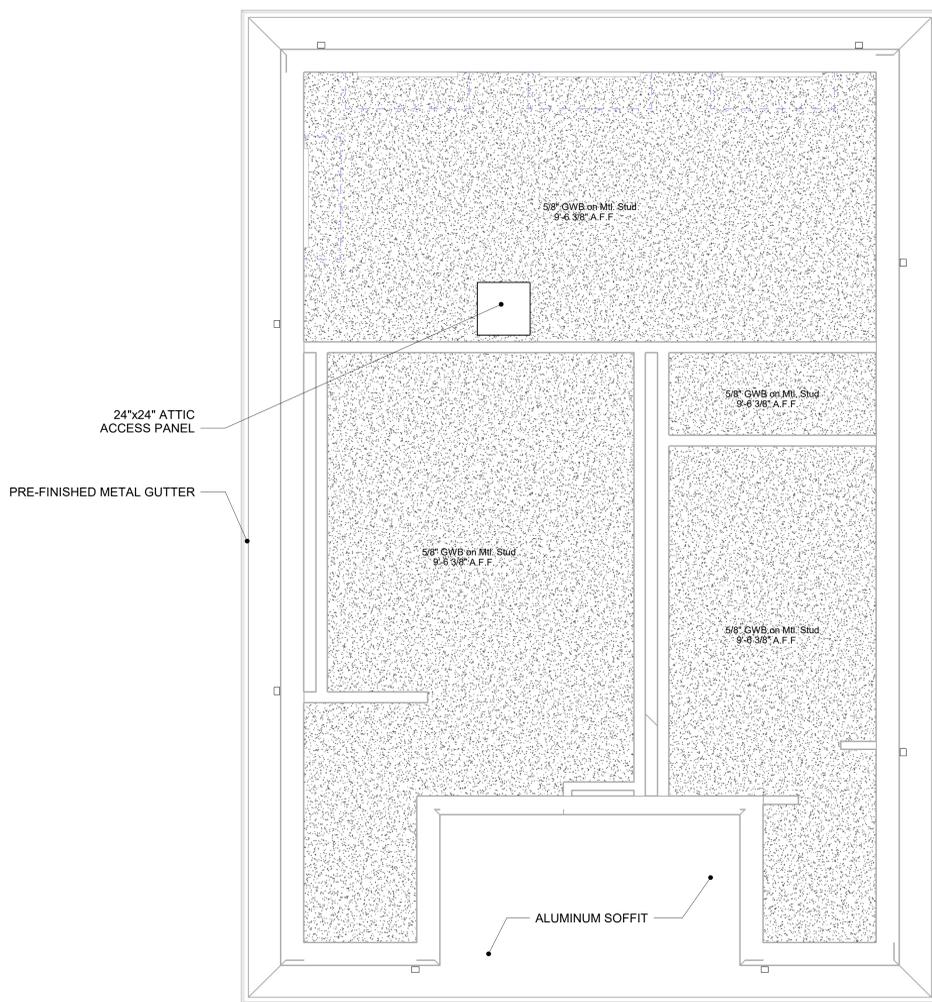
A104



4 CEILING PLAN - TICKET BOOTH
1/4" = 1'-0"

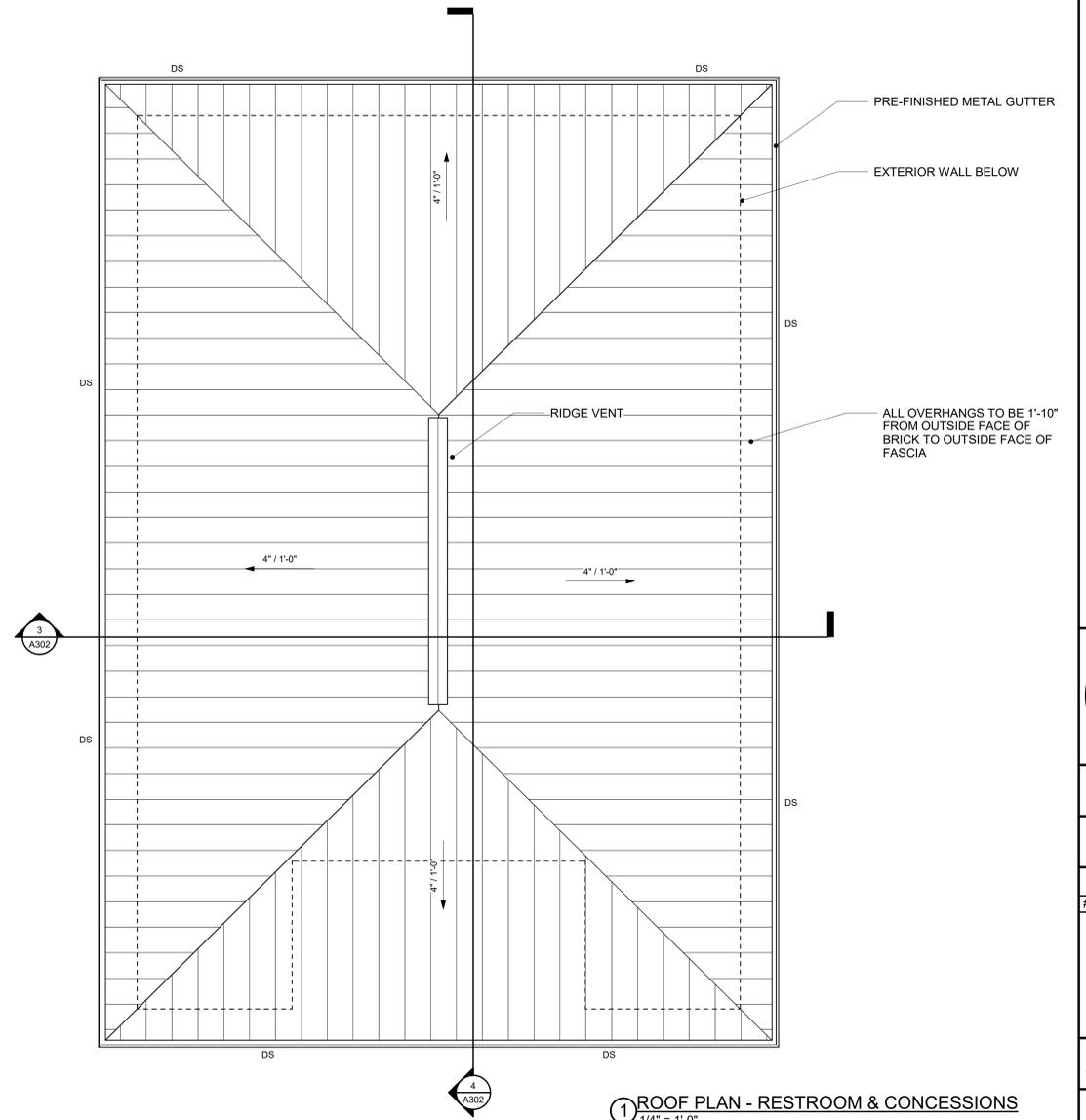


2 ROOF PLAN - TICKET BOOTH
1/4" = 1'-0"



NOTE: LIGHT FIXTURES SHOWN ON ARCHITECTURAL PLANS ARE FOR COORDINATION AND LOCATION PURPOSES BASED ON CEILING GRID LAYOUT AS SHOWN. ALL FIXTURES TYPES AND CIRCUITRY BY ELECTRICAL ENGINEER. NOTIFY ARCHITECT IF DISCREPANCY IS NOTED FROM FIELD CONDITION AND CEILING GRID SYSTEM INSTALLED.

3 CEILING PLAN - RESTROOMS
1/4" = 1'-0"

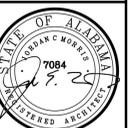


1 ROOF PLAN - RESTROOM & CONCESSIONS
1/4" = 1'-0"

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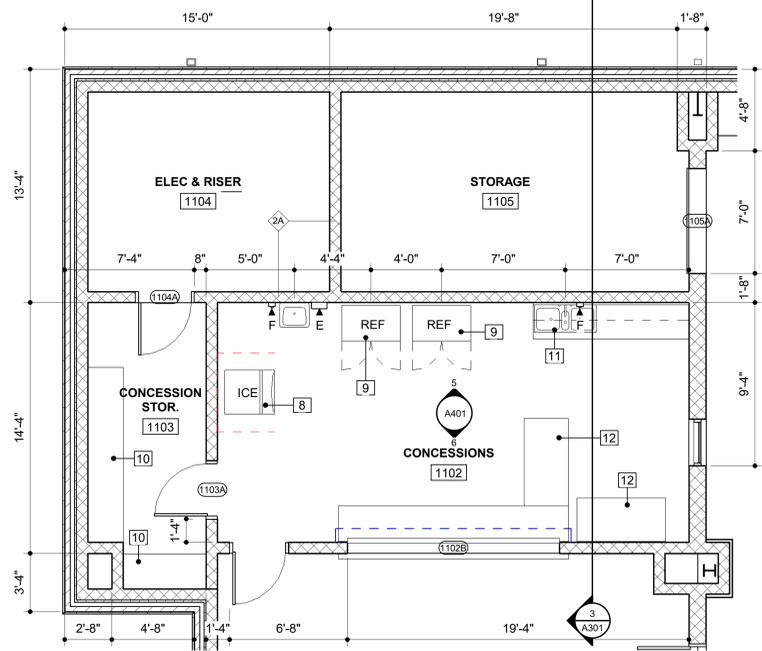
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ROOF & RCP -
RESTROOMS &
TICKET BOOTH

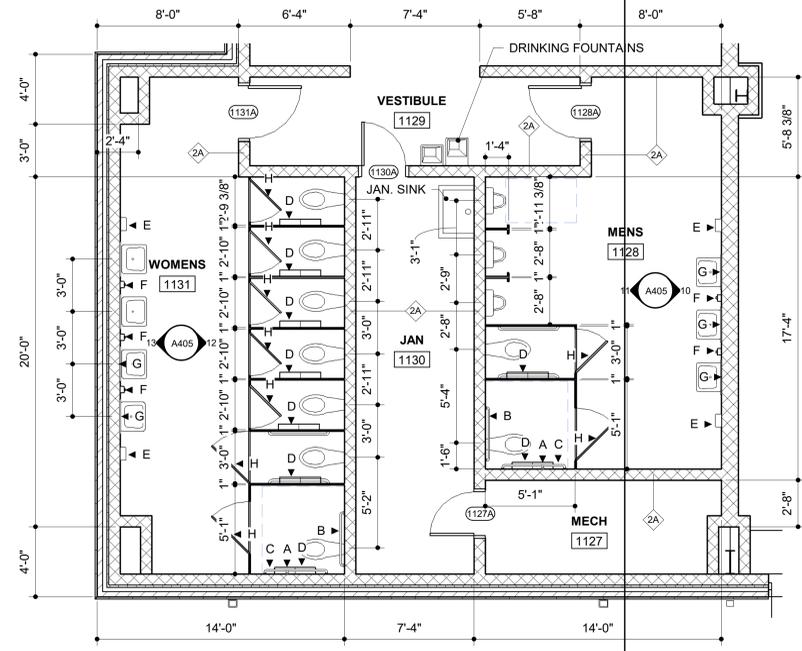
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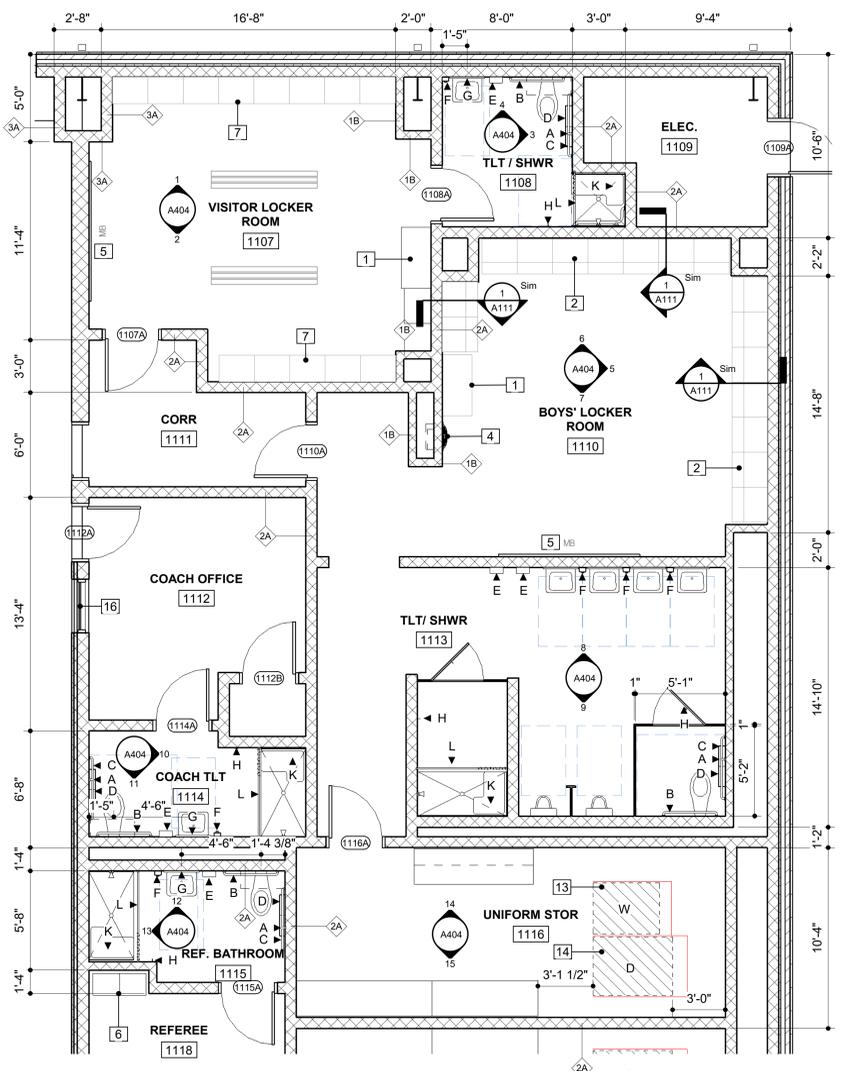
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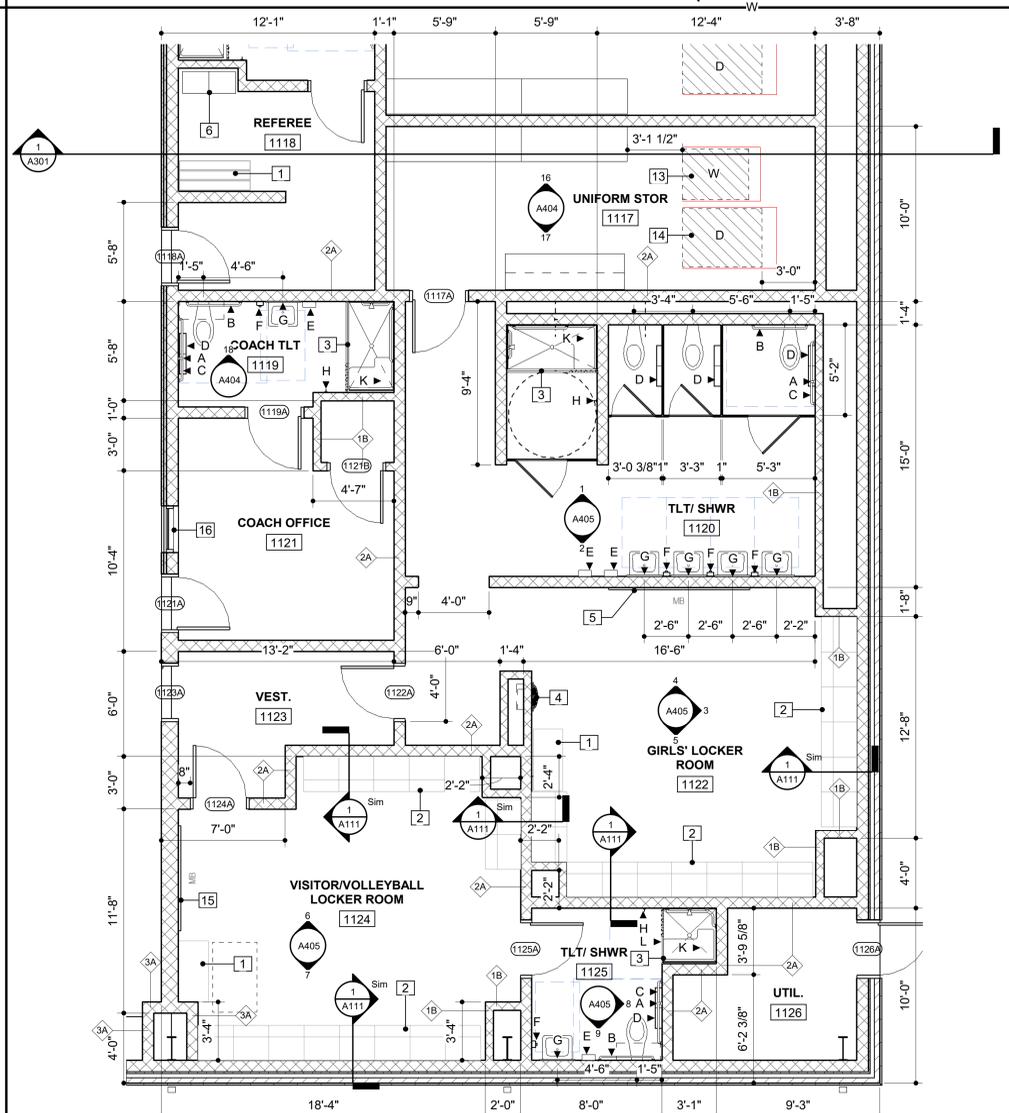
5 ENLARGED CONCESSIONS
1/4" = 1'-0"



3 ENLARGED RESTROOMS
1/4" = 1'-0"



4 ENLARGED MENS SIDE
1/4" = 1'-0"



2 ENLARGED GIRLS LOCKER ROOMS
1/4" = 1'-0"

TOILET ACCESSORY SCHEDULE:

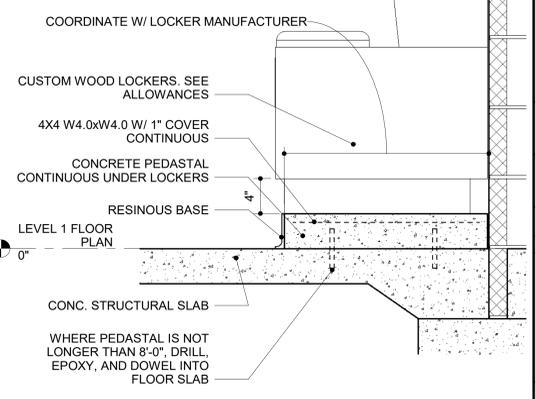
- ◀ A 18" VERTICAL GRAB BAR
- ◀ B 42" GRAB BAR
- ◀ C 48" GRAB BAR
- ◀ D TOILET TISSUE DISPENSER
- ◀ E PAPER TOWEL DISPENSER
- ◀ F SOAP DISPENSER
- ◀ G MIRROR
- ◀ H ROBE HOOK
- ◀ J JANITOR SINK
- ◀ K SHOWER SEAT
- ◀ L SHOWER CURTAIN & ROD
- ◀ M 18" HORIZONTAL GRAB BAR
- ◀ N 30" HORIZONTAL GRAB BAR
- ◀ P MOP RACK/SHELF

TOILET ACCESSORY SCHEDULE
1/4" = 1'-0"

REFERENCE NOTES

NUMBER	NOTE
1	ADA COMPLIANT BENCH AGAINST WALL - SEE SPECS
2	CUSTOM LOCKERS, SEE ALLOWANCE.
3	FIBERGLASS SHOWER UNIT - SEE SPECS; COORDINATE ADJACENT WALLS W/ MANUFACTURER'S CLEAR WIDTH FOR INSTALLATION.
4	PAINT ALL SIDES OF COLUMN PNT-4
5	WALL MOUNTED MARKERBOARD, 4'X8' - SEE SPECS
6	METAL DOUBLE LOCKERS, SEE SPECS.
7	OPEN FRONT METAL LOCKERS WITH SEAT/FOOTLOCKER AND SECURITY COMPARTMENT - SEE SPECS.
8	ICE MACHINE - SEE SPECS
9	COMMERCIAL REFRIGERATOR - SEE SPECS
10	METAL SHELVING - SEE SPECS. VERIFY LOCATION WITH OWNER.
11	TRIPLE COMPARTMENT SINK.
12	STAINLESS STEEL FOOD PREP TABLES - SEE SPECS
13	COMMERCIAL WASHER - SEE SPECS.
14	COMMERCIAL DRYER - SEE SPECS.
15	WALL MOUNTED MARKER BOARD 4'X6', SEE SPECS
16	PROVIDE HORIZONTAL LOUVER BLINDS - SEE SPECS.

*NOTE: THIS PEDASTAL OCCURS AT ALL CUSTOM WOOD LOCKER LOCATIONS.



1 CONCRETE PEDASTAL @ CUSTOM LOCKERS
1/4" = 1'-0"

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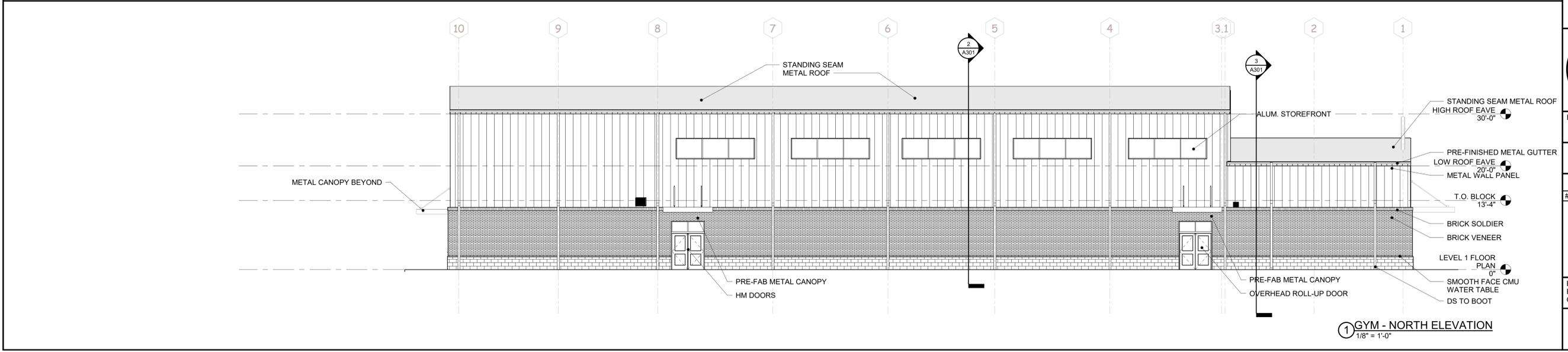
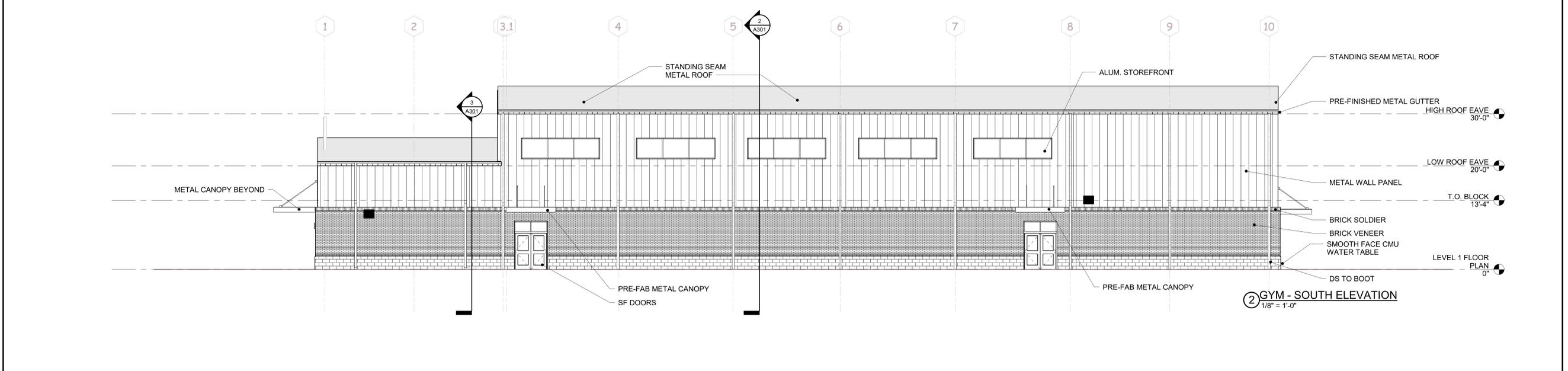
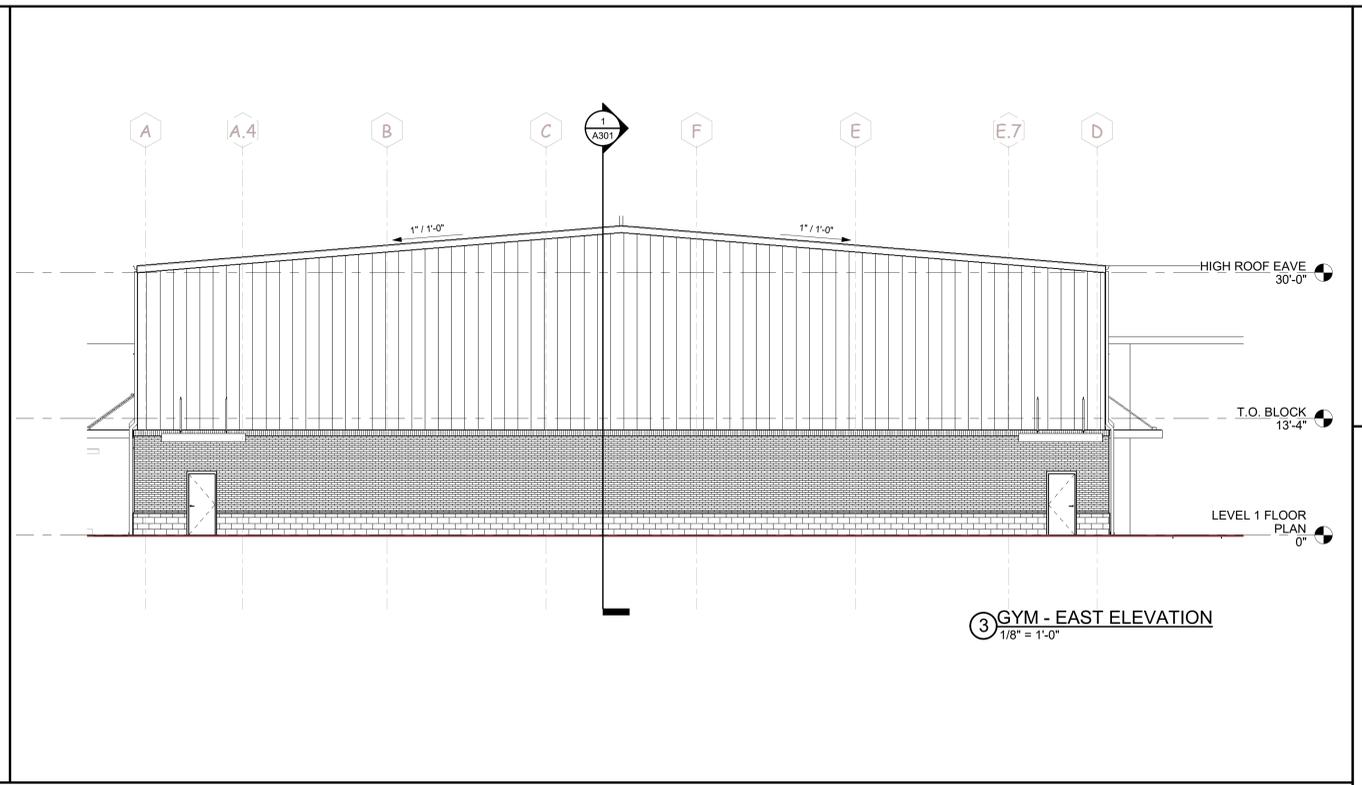
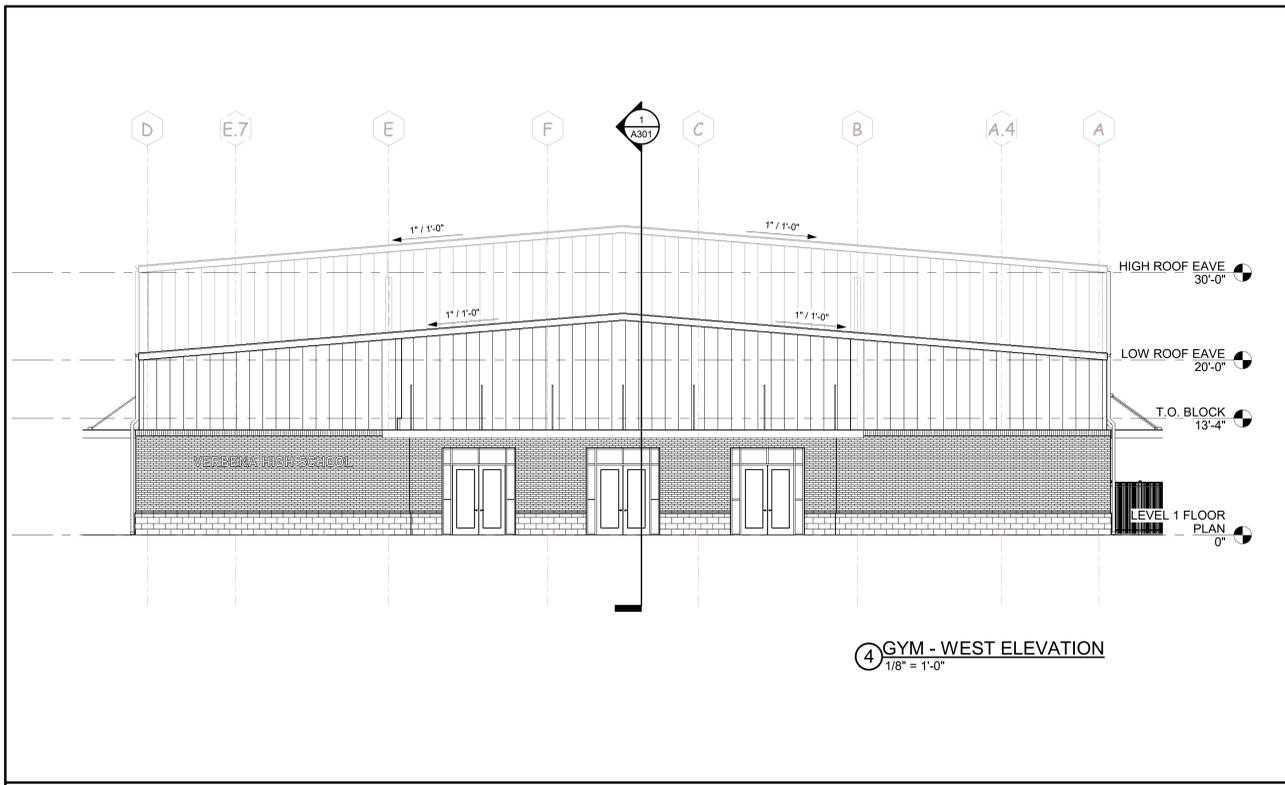
ENLARGED PLANS - GYMNASIUM

A111

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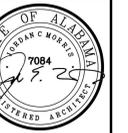
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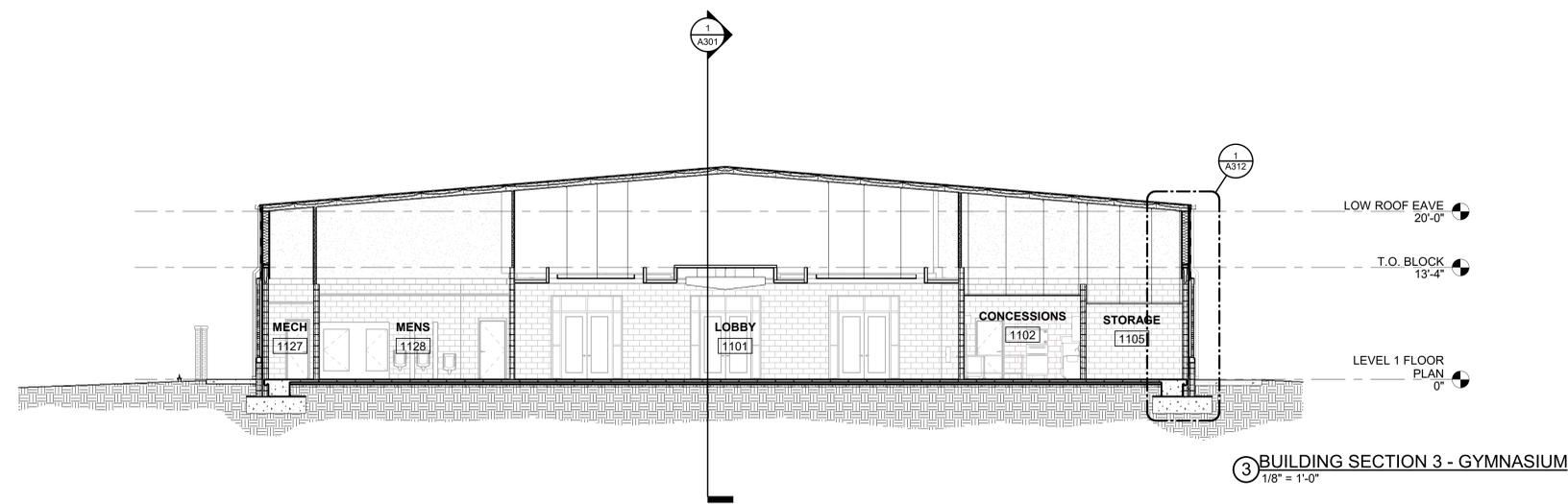
EXTERIOR ELEVATIONS - GYMNASIUM

A201

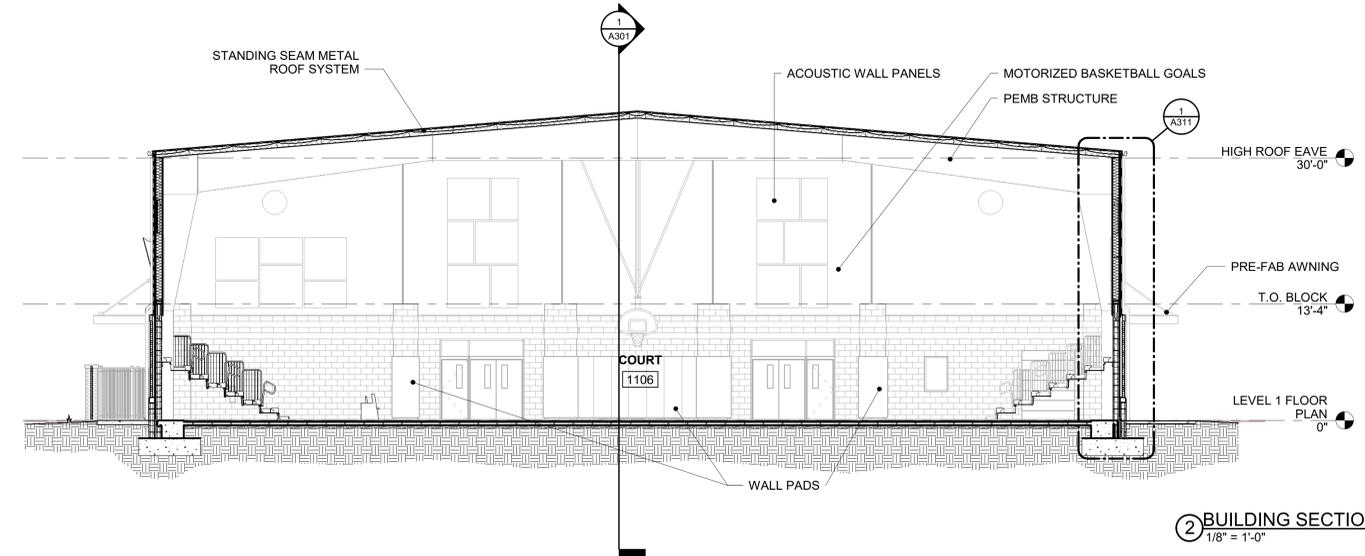
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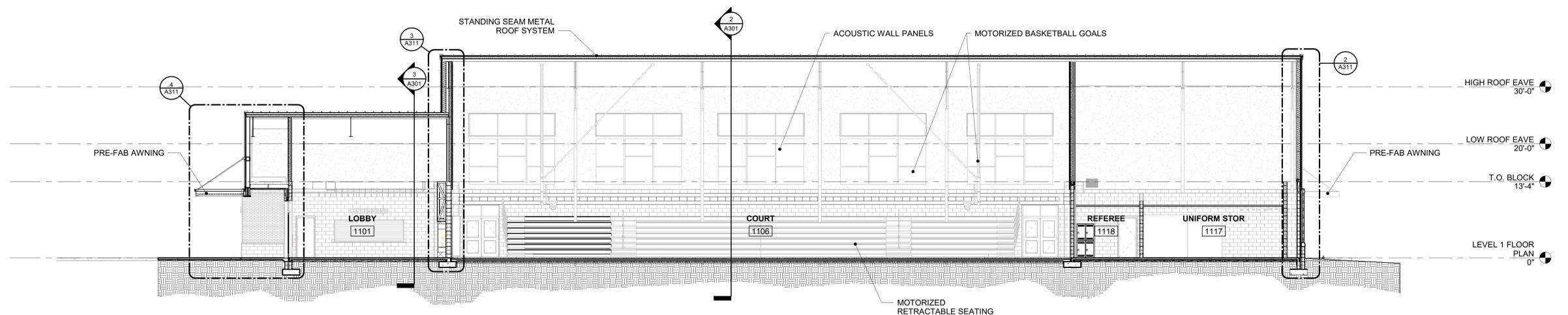
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3 BUILDING SECTION 3 - GYMNASIUM
1/8" = 1'-0"



2 BUILDING SECTION 2 - GYMNASIUM
1/8" = 1'-0"



1 BUILDING SECTION 1 - GYMNASIUM
1/8" = 1'-0"



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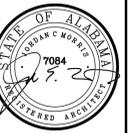
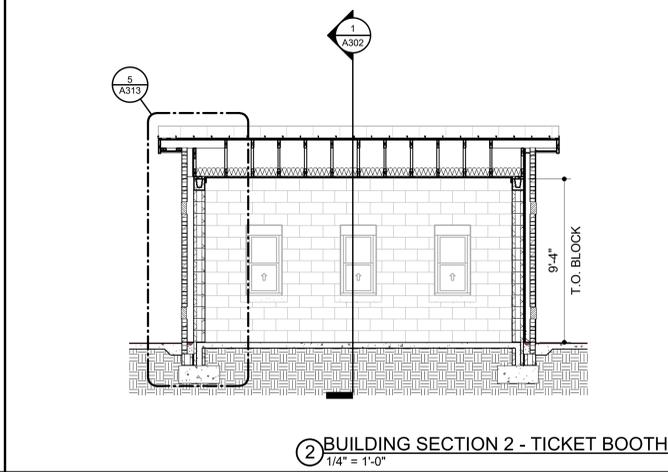
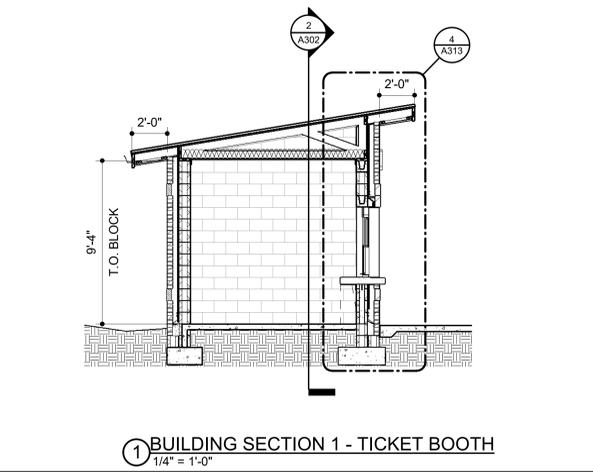
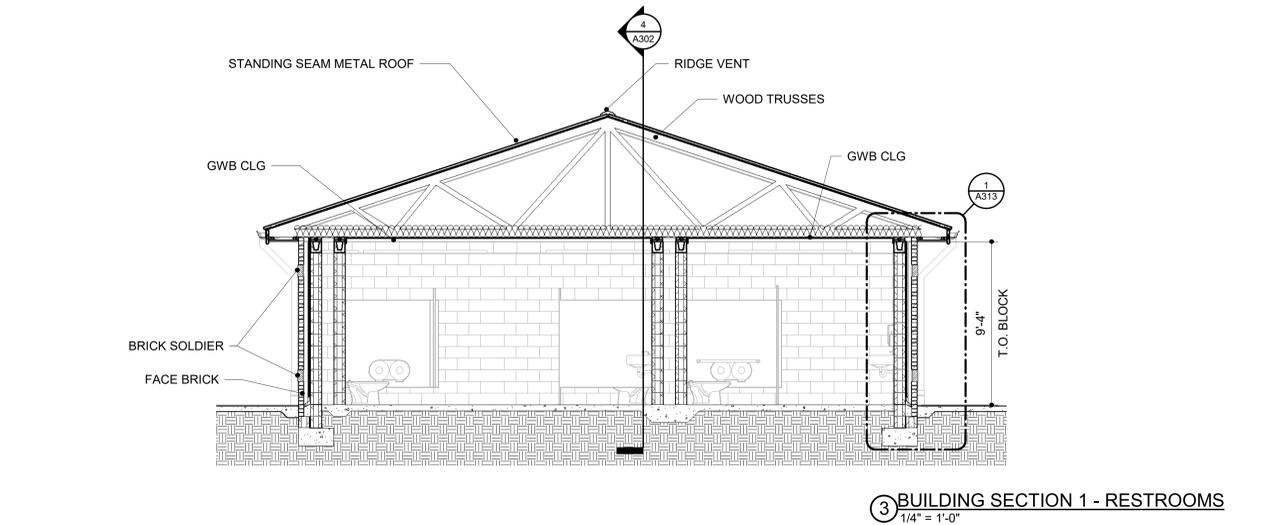
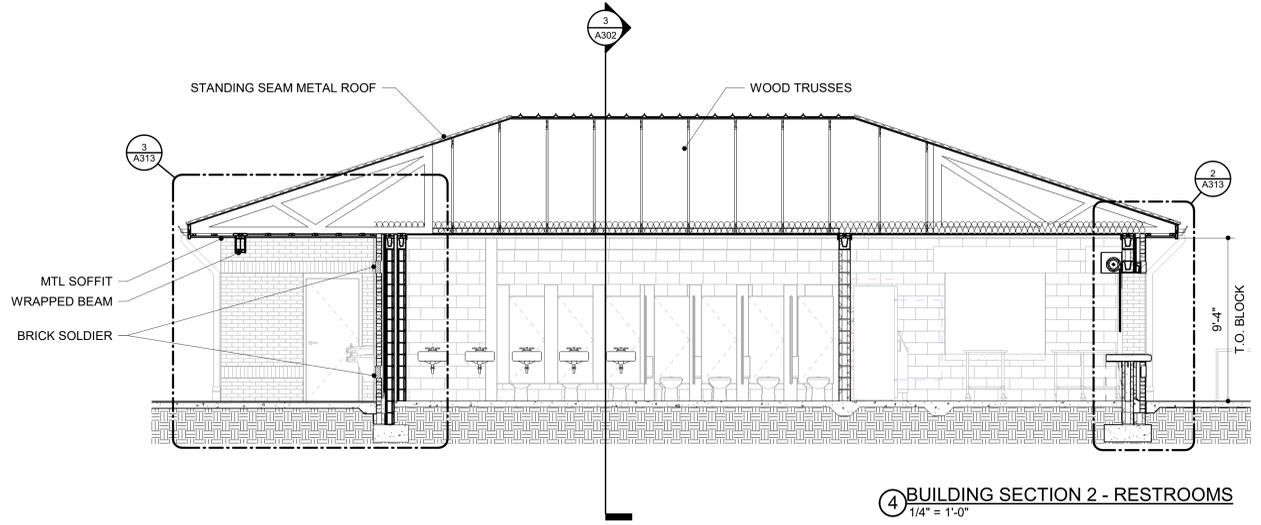
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BUILDING SECTIONS - GYMNASIUM

A301



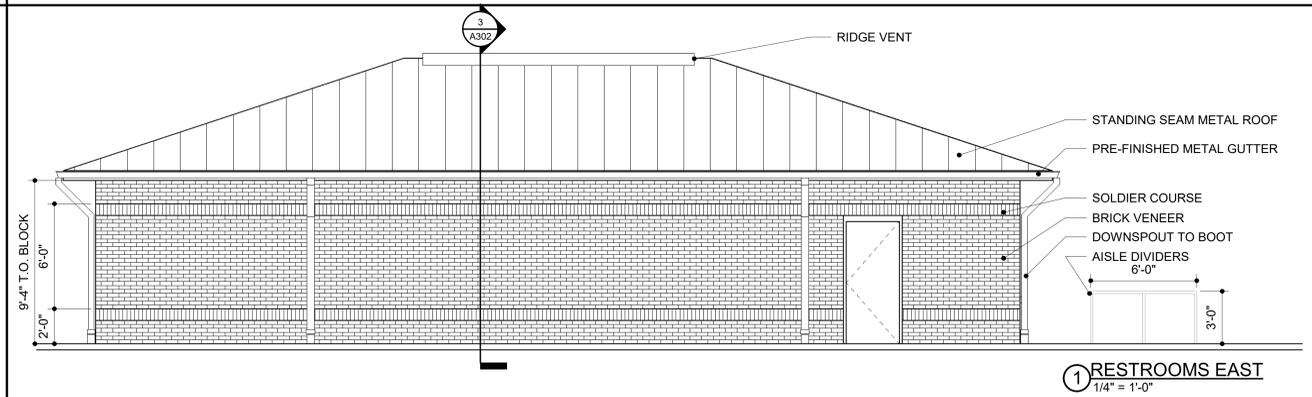
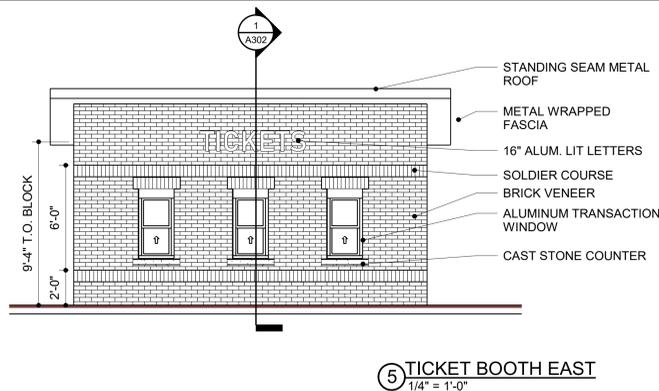
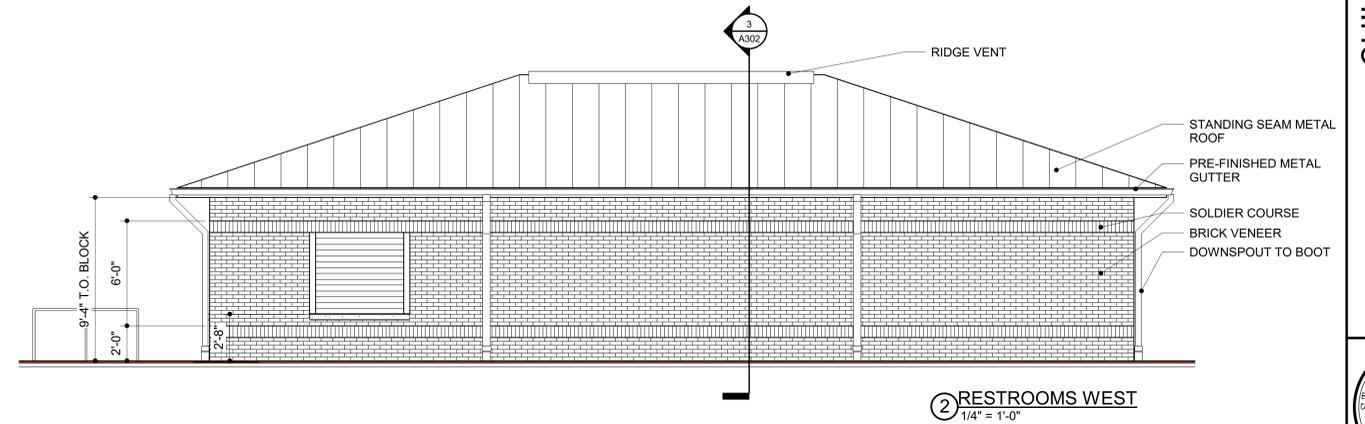
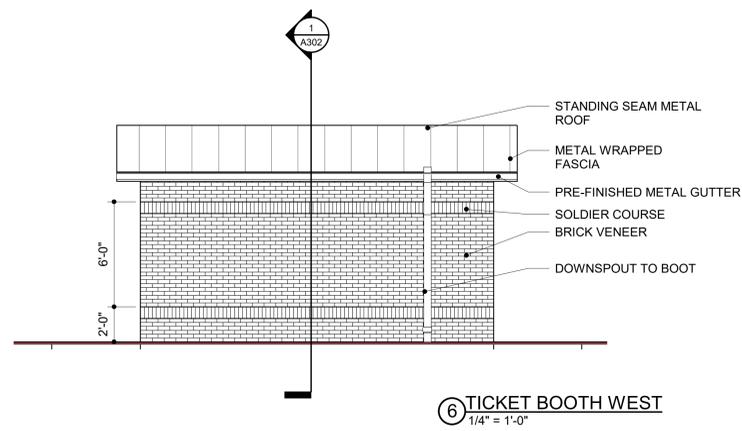
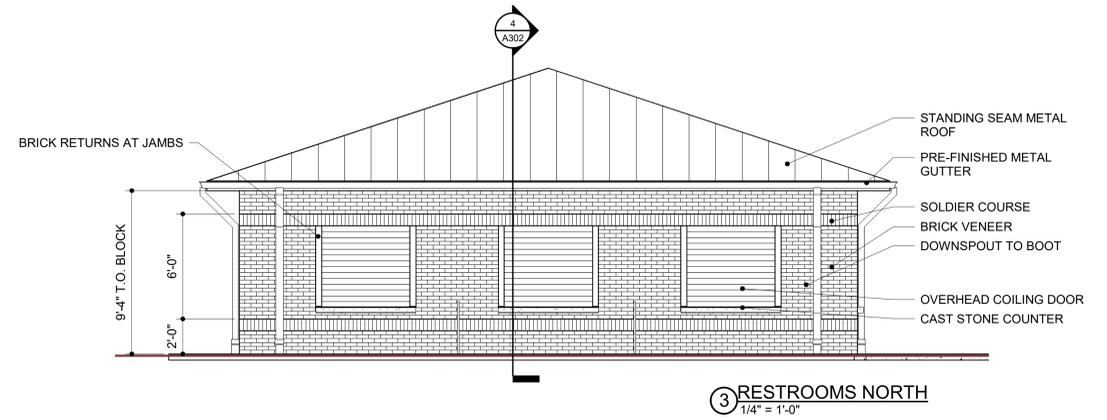
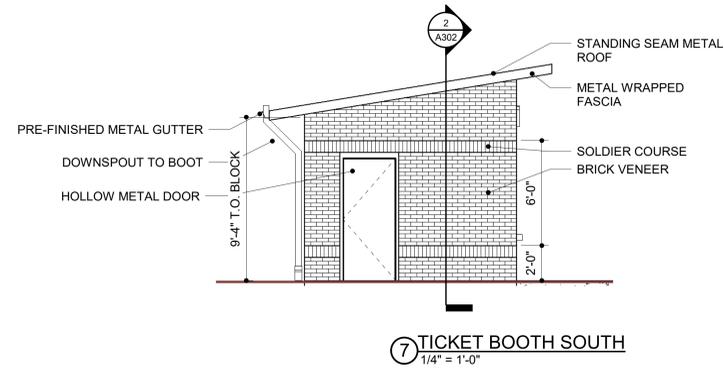
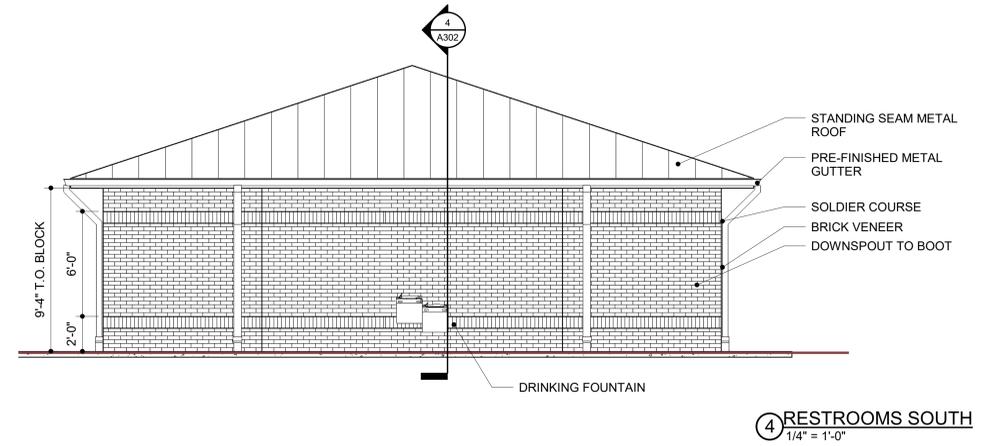
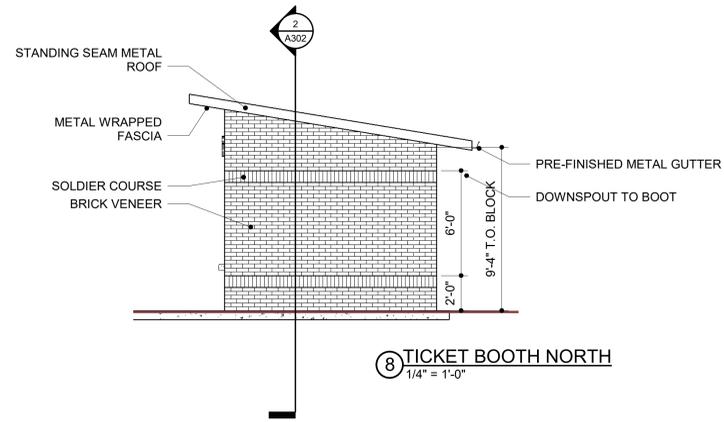
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BUILDING SECTIONS
- FOOTBALL

A302



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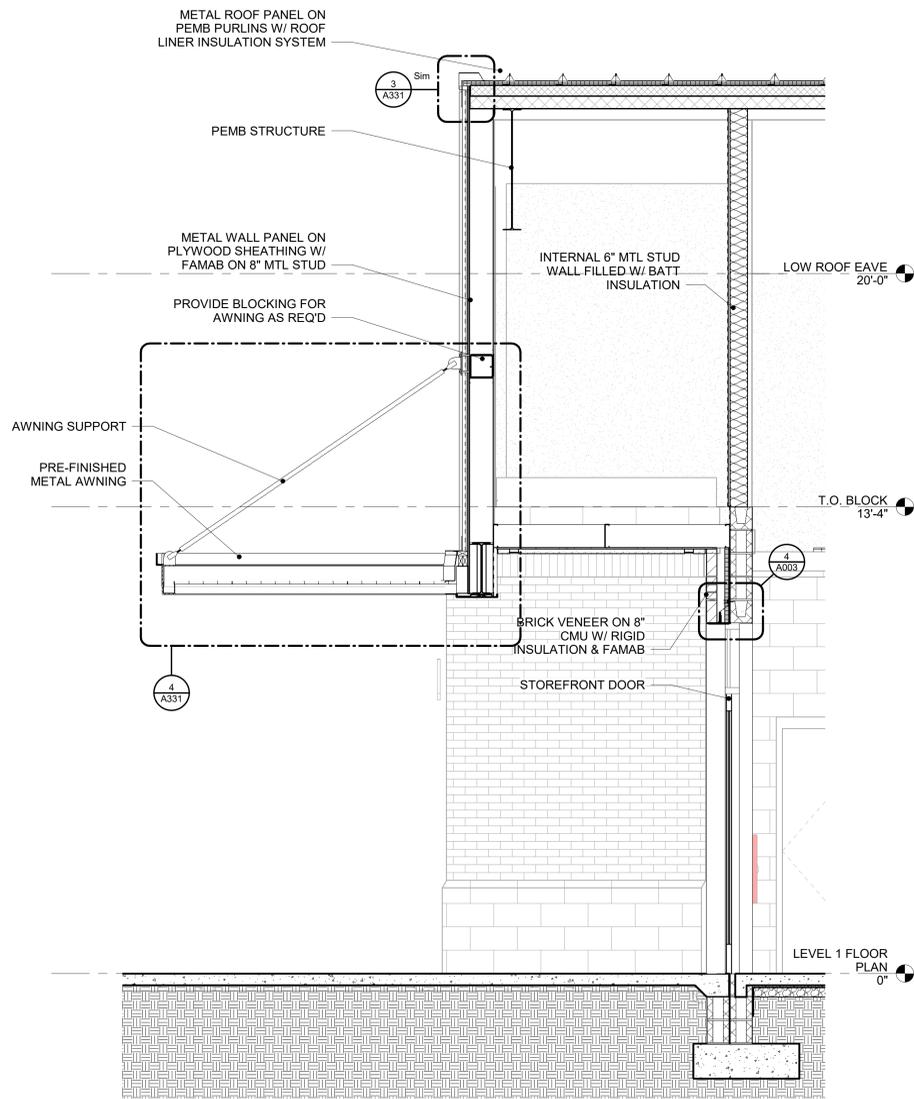
EXTERIOR ELEVATIONS - RESTROOMS & TICKET BOOTH

A202

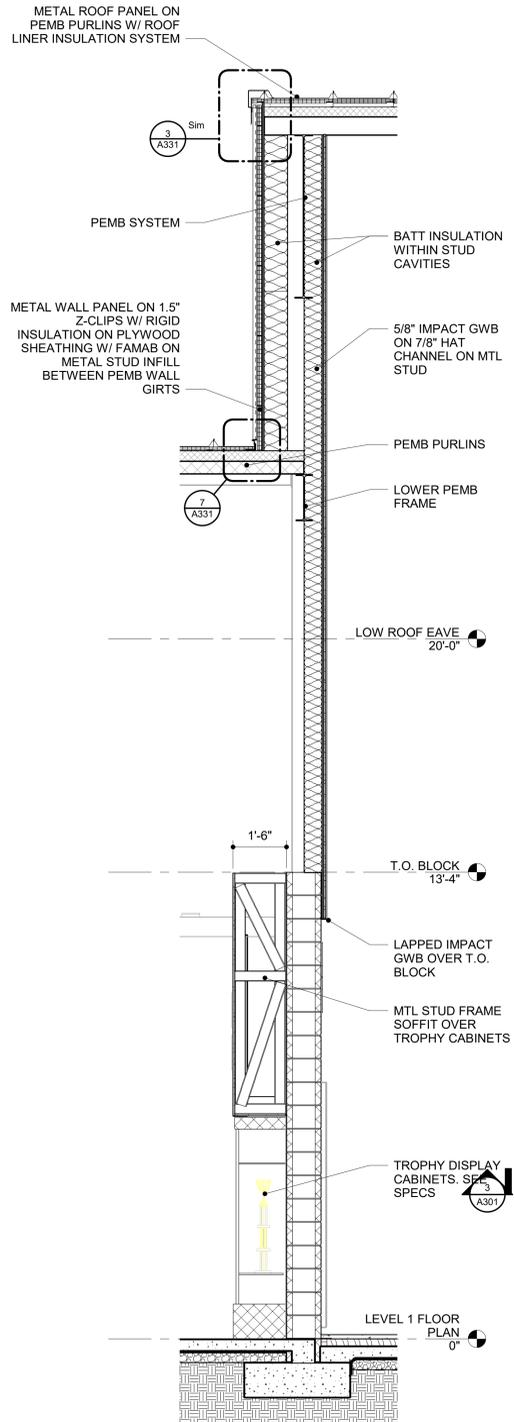
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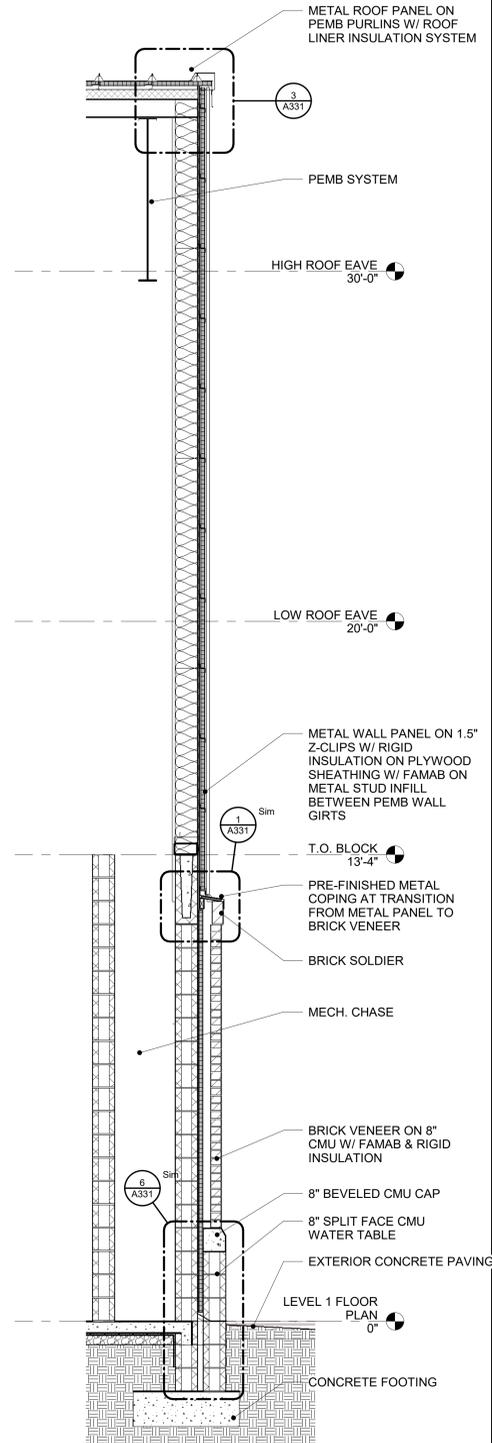
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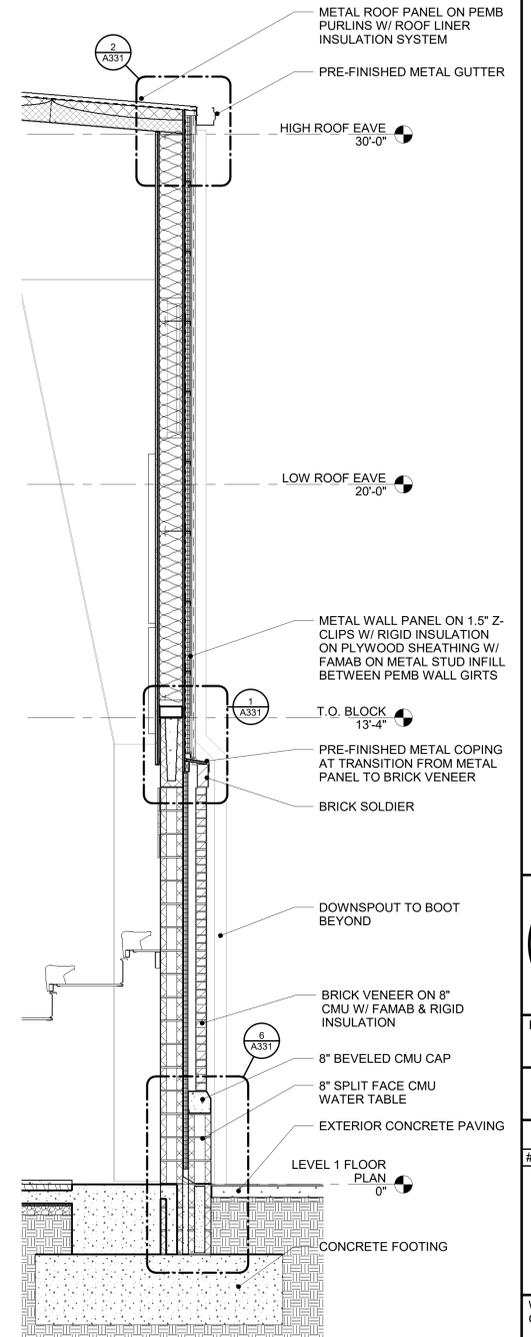
④ GYM - COVERED MAIN ENTRY
1/2" = 1'-0"



③ GYM - END WALL AT LOW ROOF TRANSITION
1/2" = 1'-0"



② GYM - END WALL AT LOCKER ROOMS
1/2" = 1'-0"



① GYM - TYP. WALL SECTION
1/2" = 1'-0"



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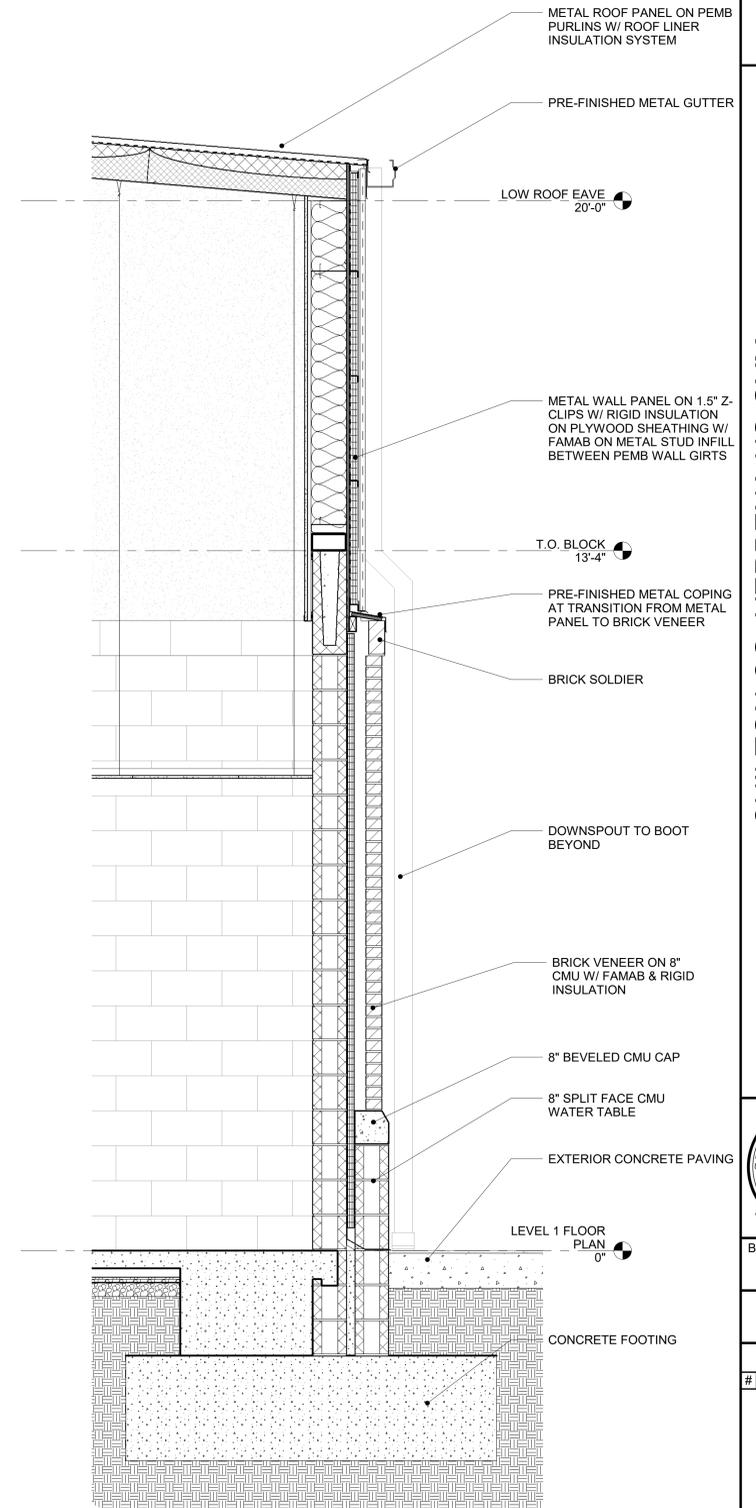
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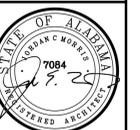
WALL SECTIONS - GYM

A311



① TYP. WALL AT LOW ROOF
3/4" = 1'-0"

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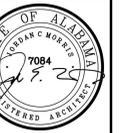
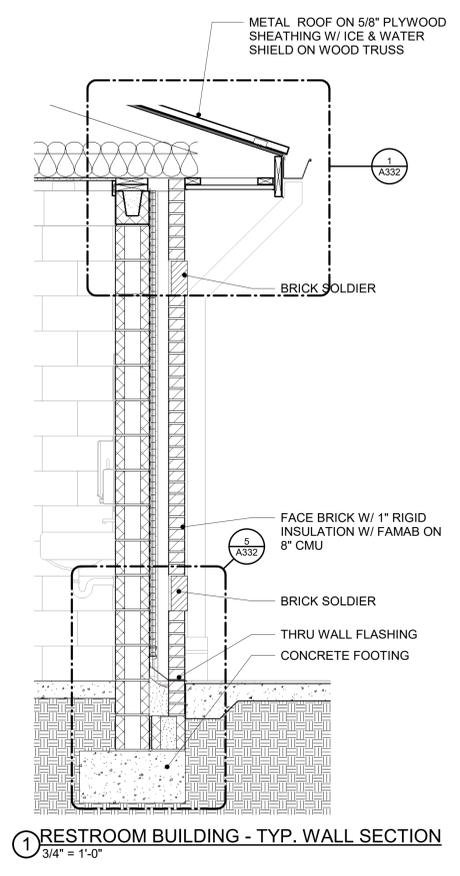
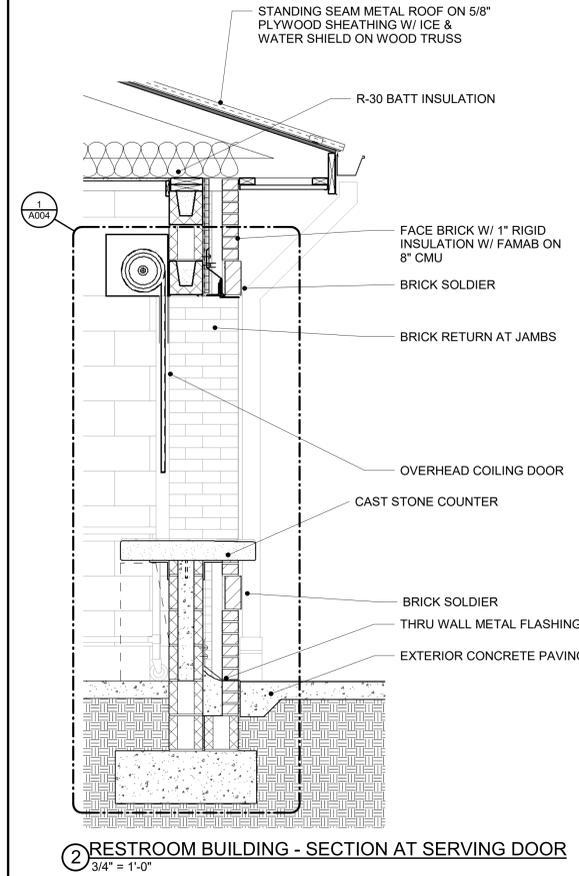
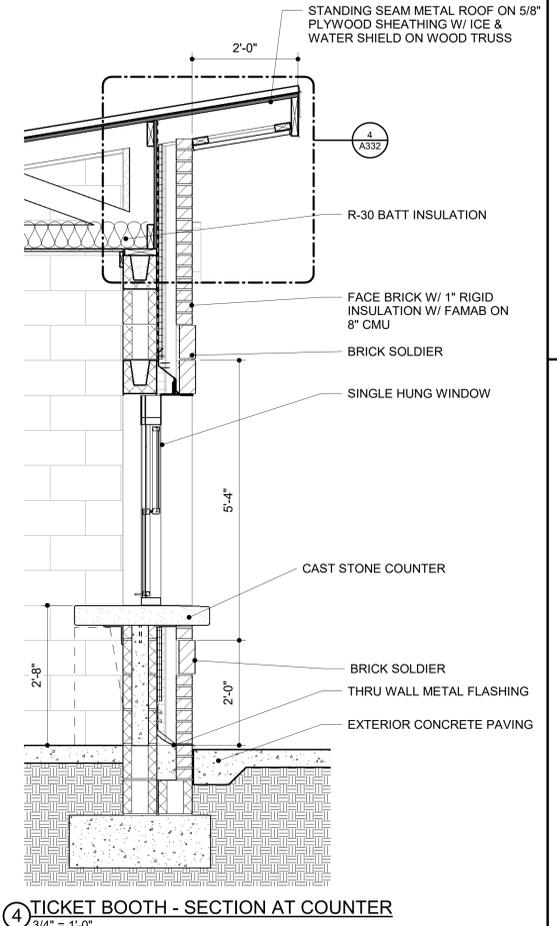
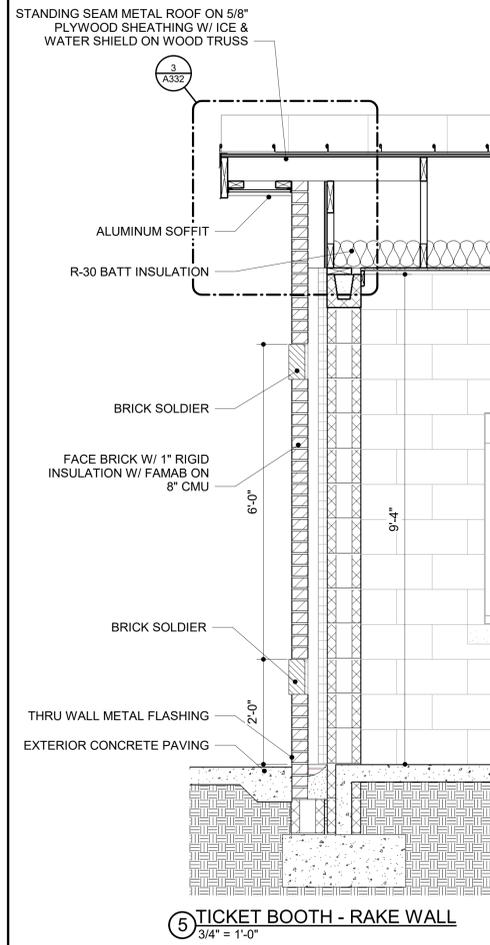
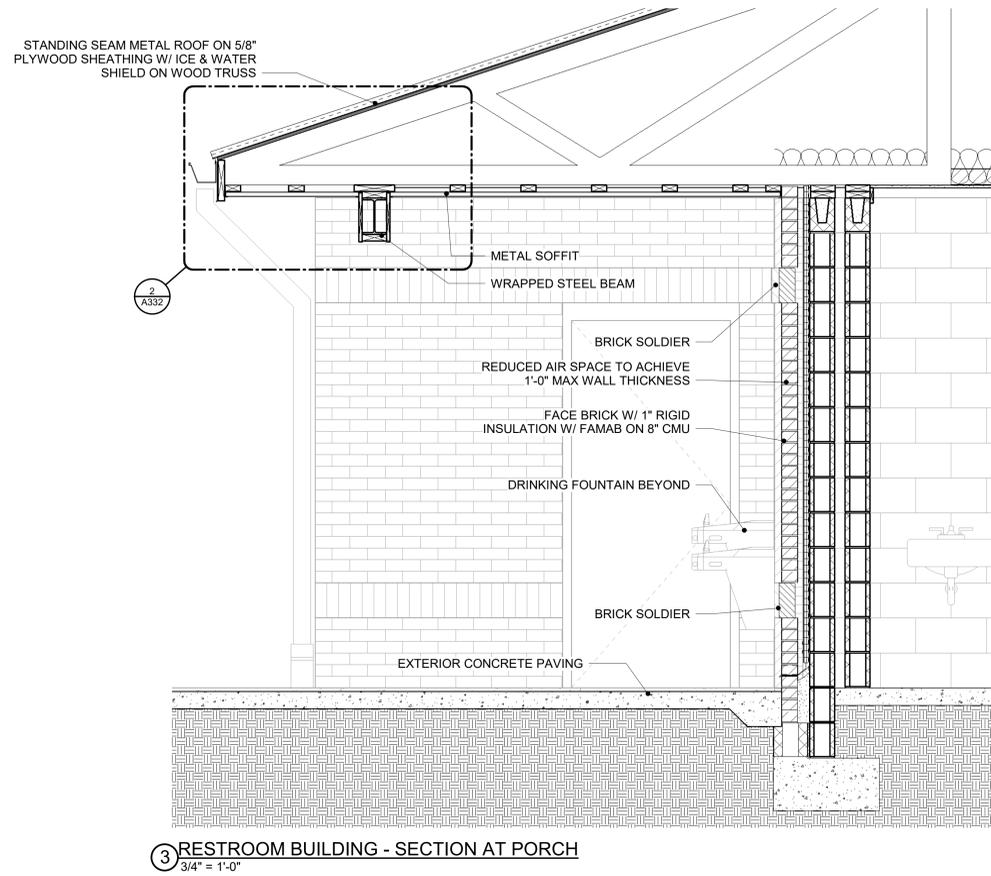
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WALL SECTIONS - GYM



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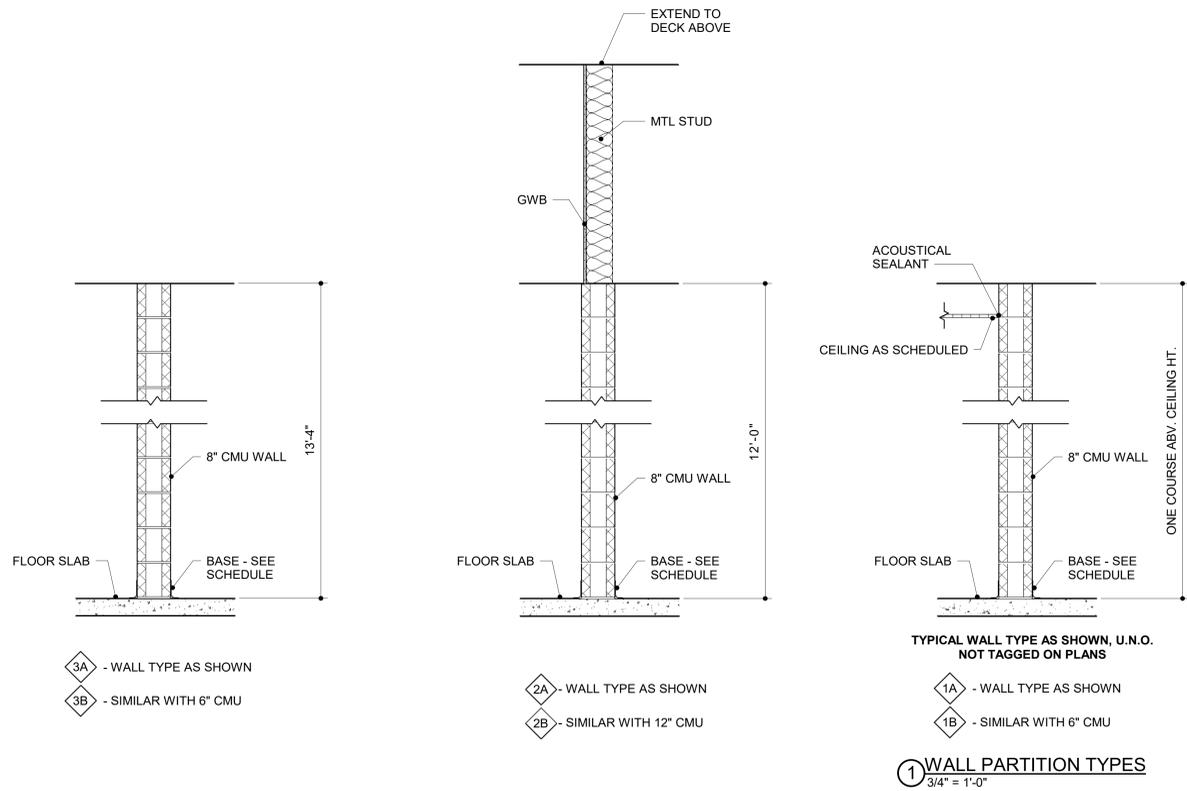
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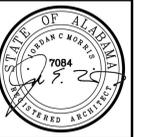
WALL SECTIONS - FOOTBALL

A313



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WALL PARTITION TYPES

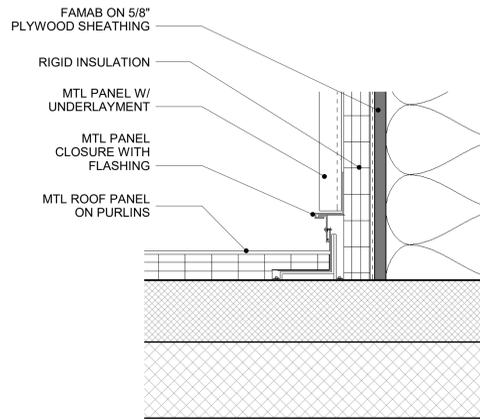
A316

1 WALL PARTITION TYPES
 3/4" = 1'-0"

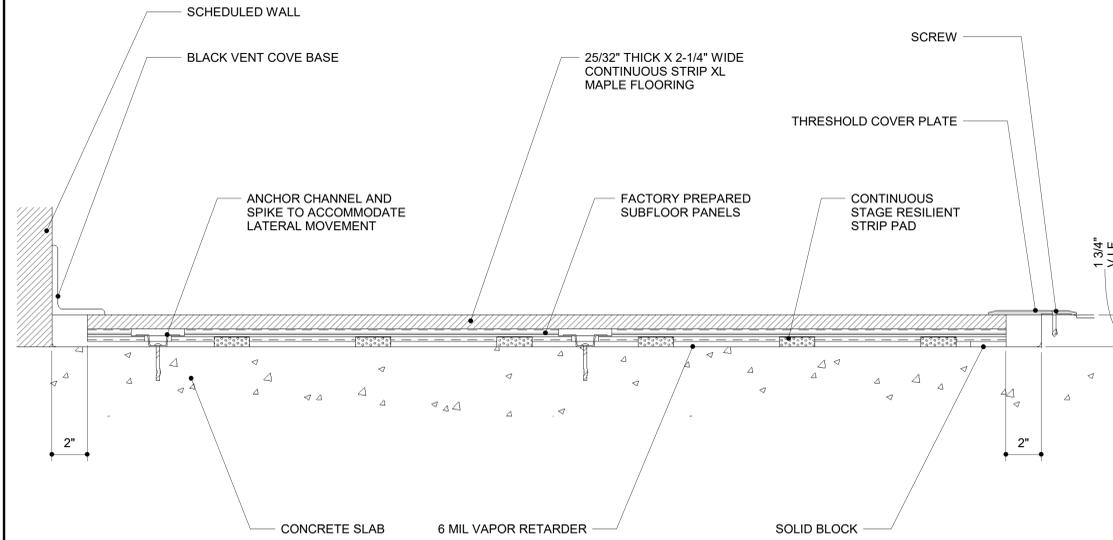
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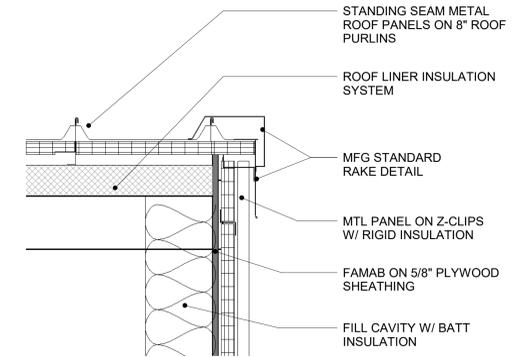
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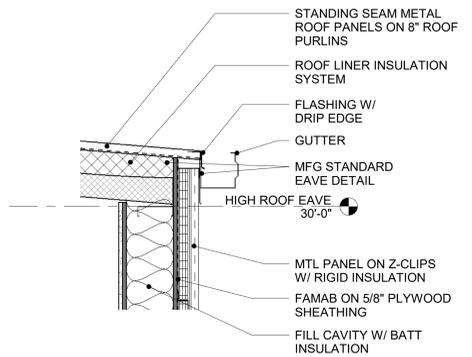
7 END WALL AT LOW ROOF TRANSITION
3" = 1'-0"



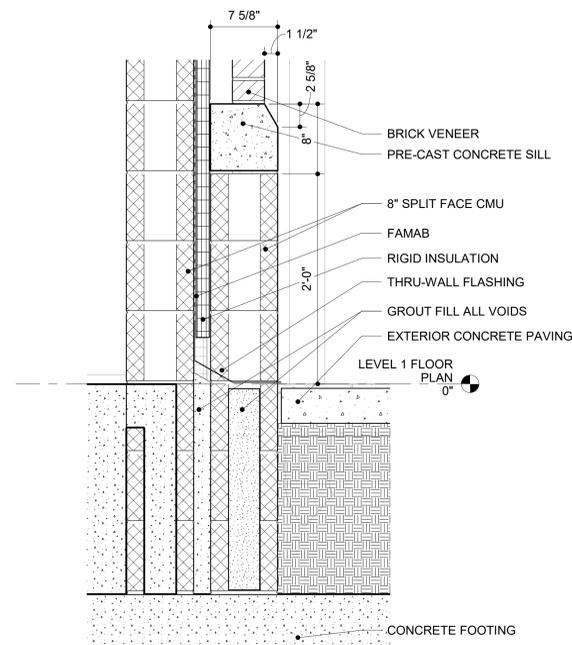
5 ATHLETIC WOOD FLOORING DETAIL (AWF-1)
3" = 1'-0"



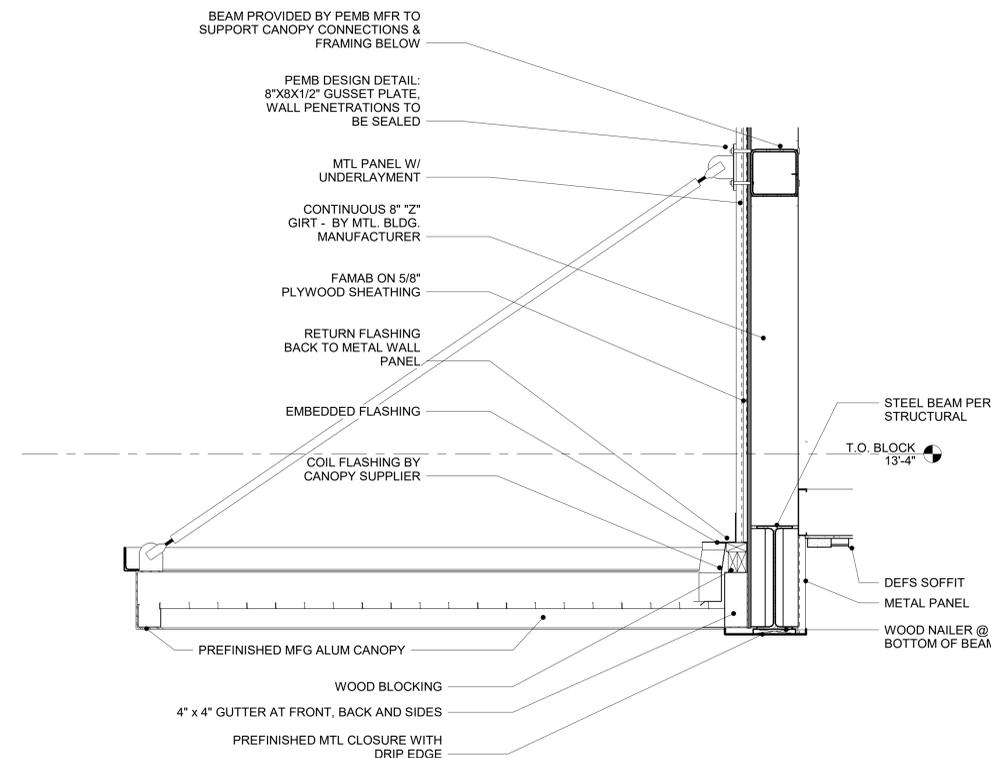
3 TYP. RAKE EAVE
1 1/2" = 1'-0"



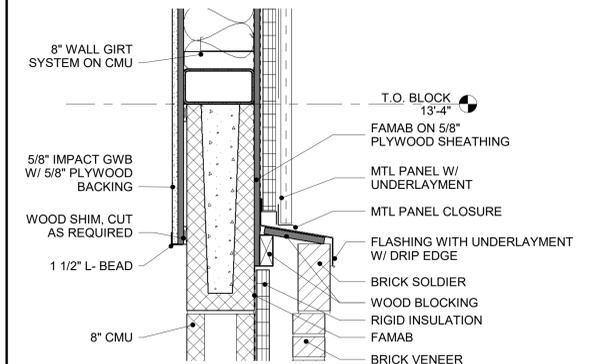
2 TYP. PEMB EAVE W/ GUTTER
1" = 1'-0"



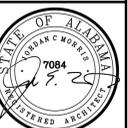
6 TYP. WALL BASE & WATERTABLE
1 1/2" = 1'-0"



4 CANOPY AT MAIN ENTRY
1" = 1'-0"



1 METAL PANEL TO BRICK TRANSITION
1 1/2" = 1'-0"



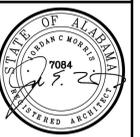
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SECTION DETAILS - GYM



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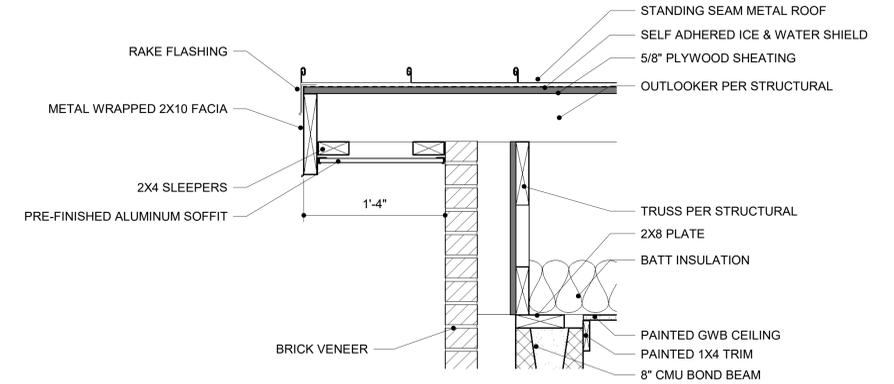
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PROJ NO: 25-032

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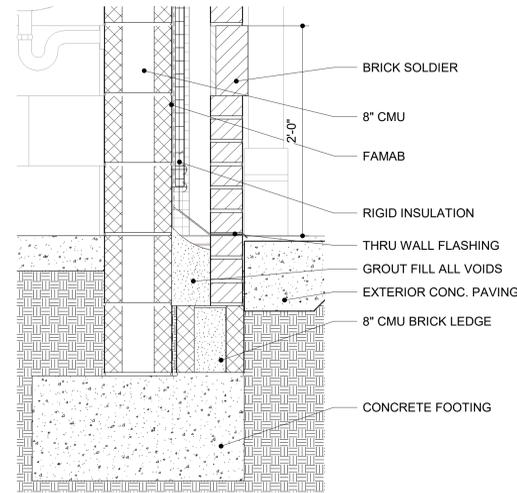
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SECTION DETAILS -
RESTROOMS &
TICKET BOOTH

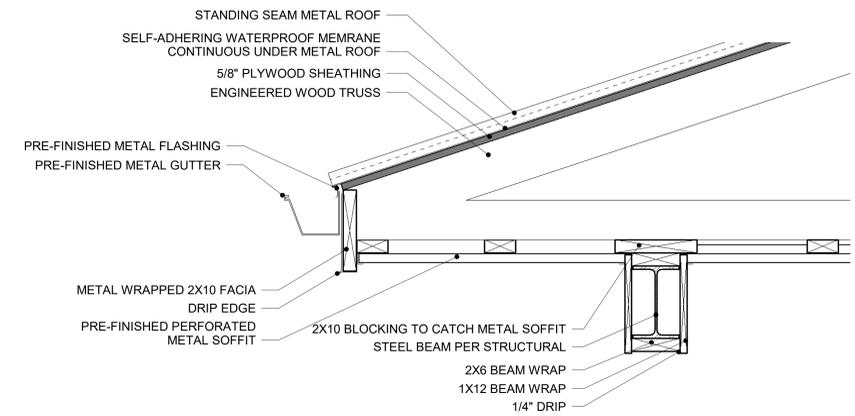
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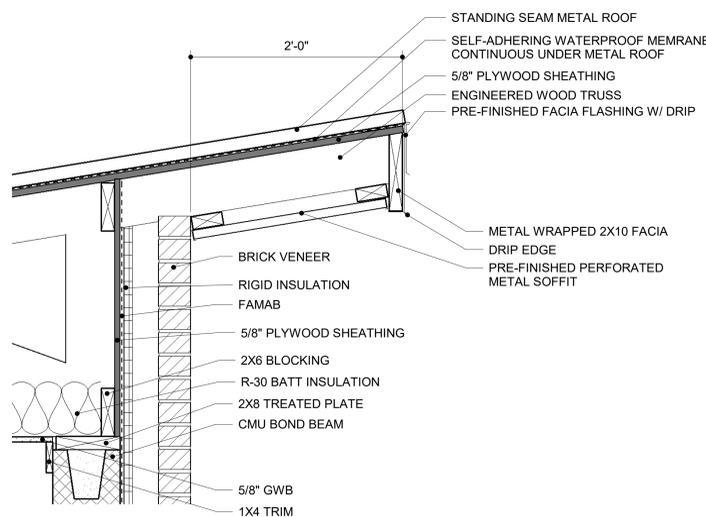
3 RAKE EAVE AT TICKET BOOTH
1 1/2" = 1'-0"



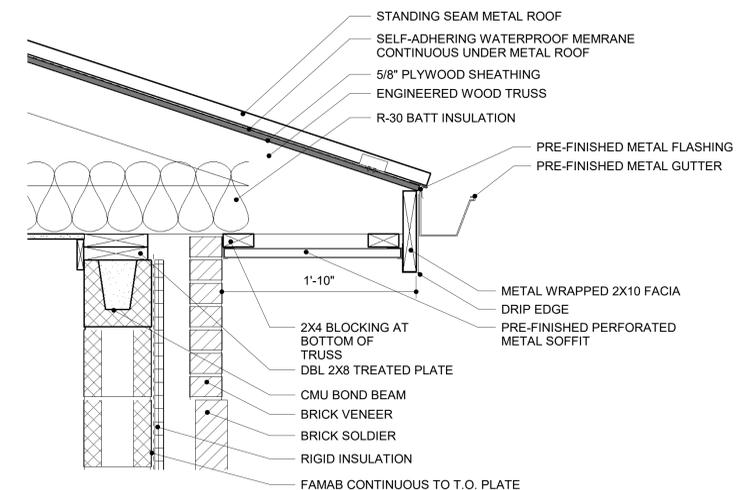
5 TYP. EXT. WALL AT GRADE
1 1/2" = 1'-0"



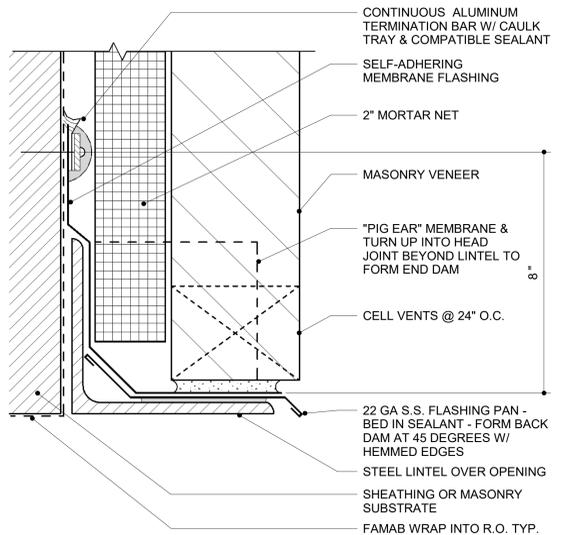
2 WRAPPED BEAM AT PORCH
1 1/2" = 1'-0"



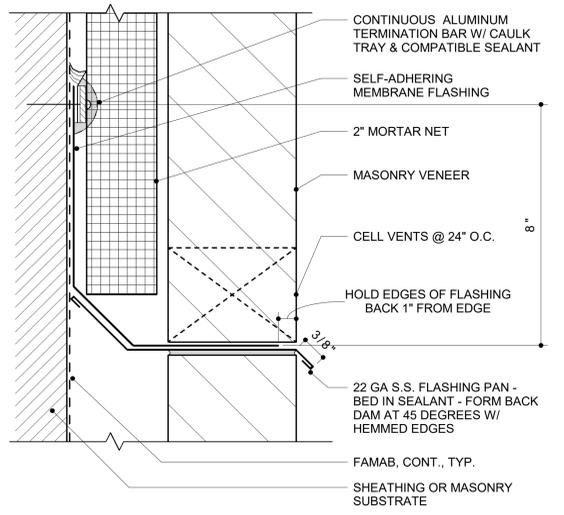
4 HIGH EAVE AT TICKET BOOTH
1 1/2" = 1'-0"



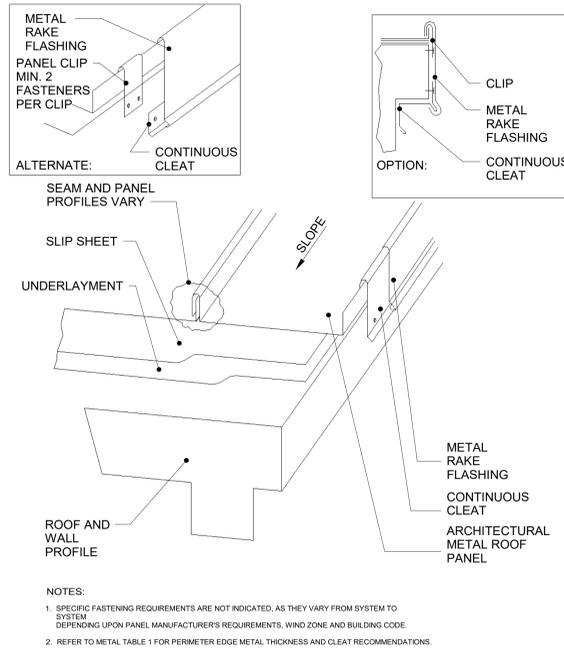
1 TYP. EAVE AT RESTROOMS
1 1/2" = 1'-0"



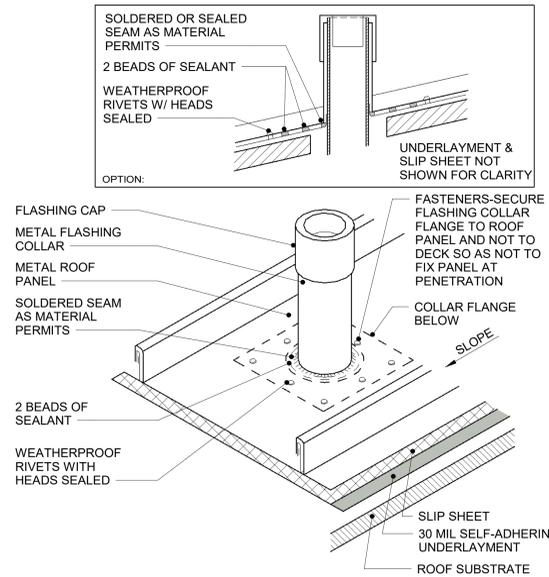
7 EMBEDDED FLASHING AT OPENING HEAD
6" = 1'-0"



6 EMBEDDED FLASHING SYSTEM & WEEP
6" = 1'-0"

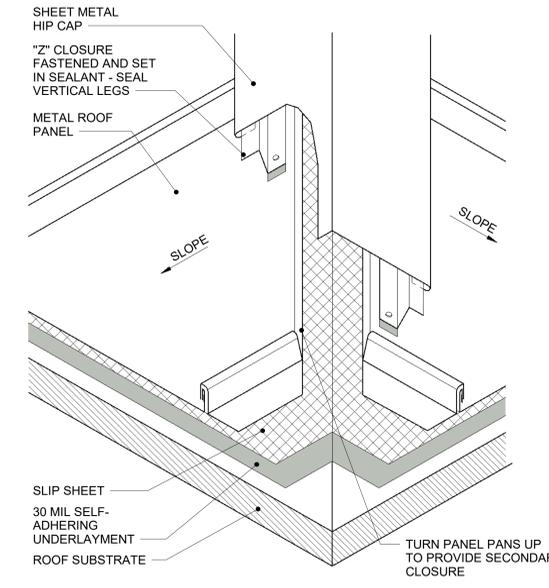


5 ROOF DETAIL METAL - RAKE EDGE FLASHING (CLEATED)
12" = 1'-0"



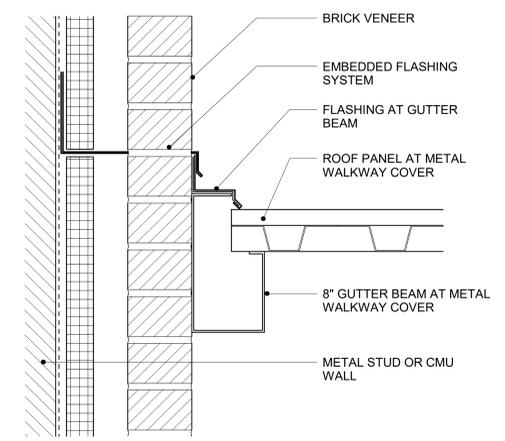
- NOTES:**
1. NRCA RECOMMENDS PENETRATIONS SHOULD NOT INTERFERE WITH PANEL SEAMS OR OCCUR AT TRANSVERSE SEAMS.
 2. CUT HOLE IN ROOF DECK TO ALLOW FOR MOVEMENT.
 3. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12 INCHES OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.

4 PLUMBING VENT (METAL)
12" = 1'-0"

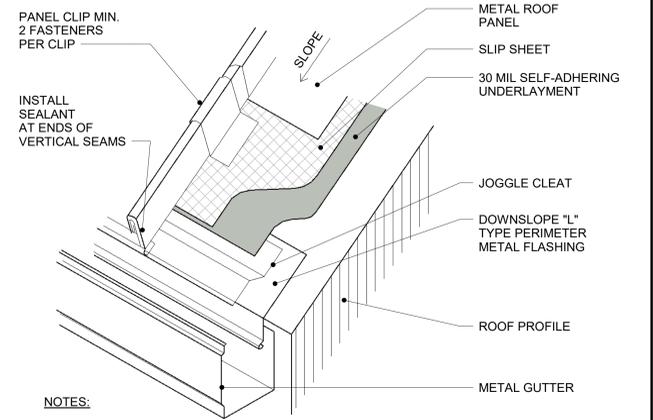


- NOTES:**
1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED, AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING UPON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
 2. THIS METHOD OF FLASHING FIXES THE PANELS ALONG THE HIP IF THE "Z" CLOSURE IS FASTENED THROUGH TO THE ROOF DECK.

3 HIP FLASHING (METAL)
12" = 1'-0"

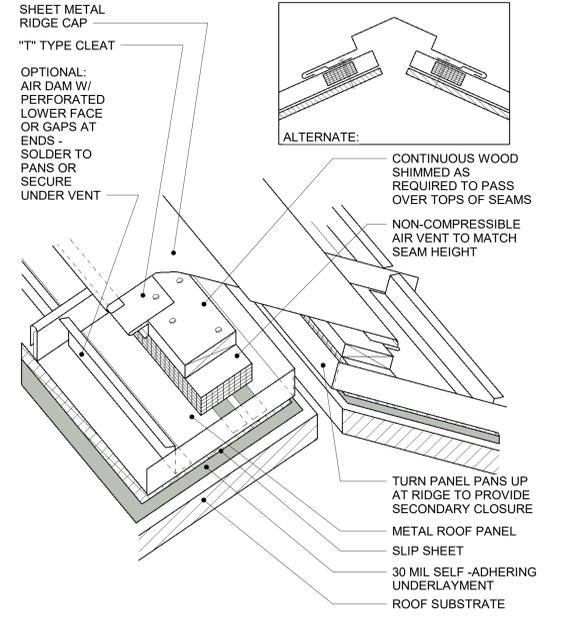


8 METAL CANOPY AT BRICK TIE-IN
3" = 1'-0"



- NOTES:**
1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED, AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING UPON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
 2. GUTTER PROFILE AND SIZE VARY ACCORDING TO ROOF AREA SIZE, ROOF SLOPE, BUILDING CODE AND REGIONAL PRACTICES.
 3. VARIOUS COMBINATIONS OF SUPPORT BRACKETS, SUPPORT BRACKETS AND SPACERS OR SPACER HANGERS CAN BE USED.

2 STANDING SEAM EAVE W/ GUTTER (METAL)
12" = 1'-0"



- NOTES:**
1. SPECIFIC FASTENING REQUIREMENTS ARE NOT INDICATED, AS THEY VARY FROM SYSTEM TO SYSTEM DEPENDING UPON PANEL MANUFACTURER'S REQUIREMENTS, WIND ZONE AND BUILDING CODE.
 2. THIS METHOD OF FLASHING FIXES THE PANELS ALONG THE RIDGE.

1 VENTED RIDGE (METAL)
12" = 1'-0"

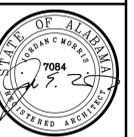
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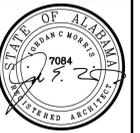
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SECTION DETAILS

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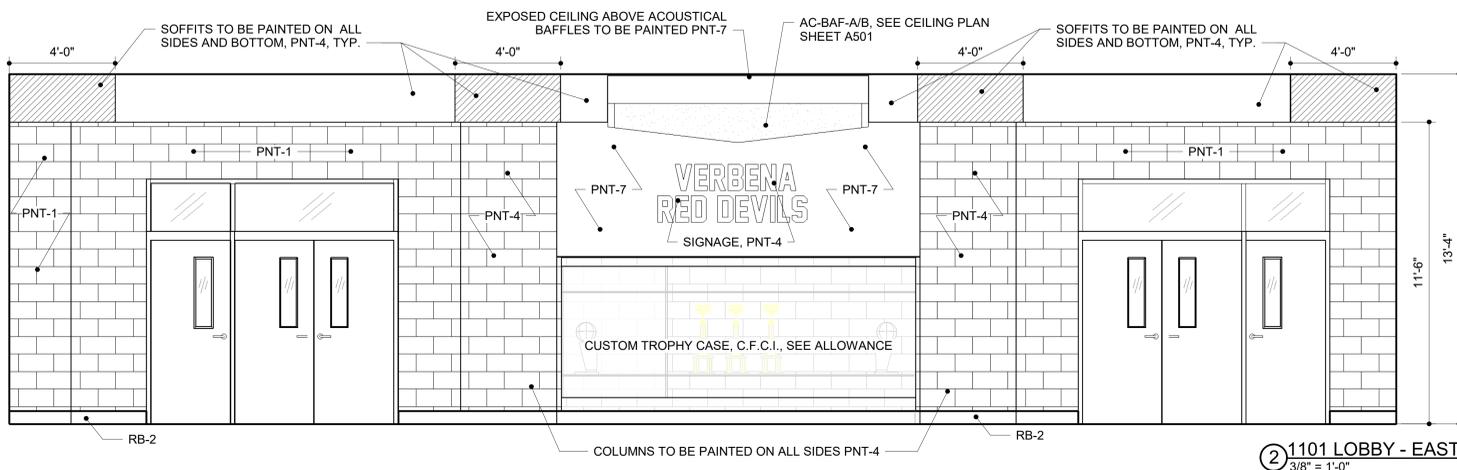
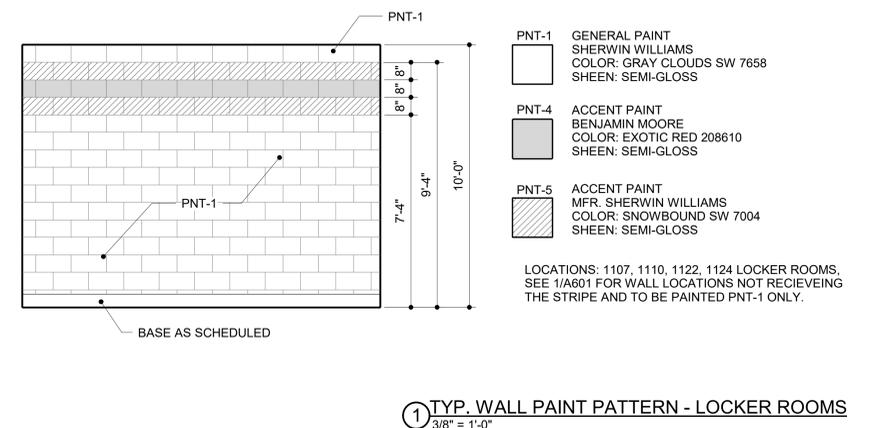
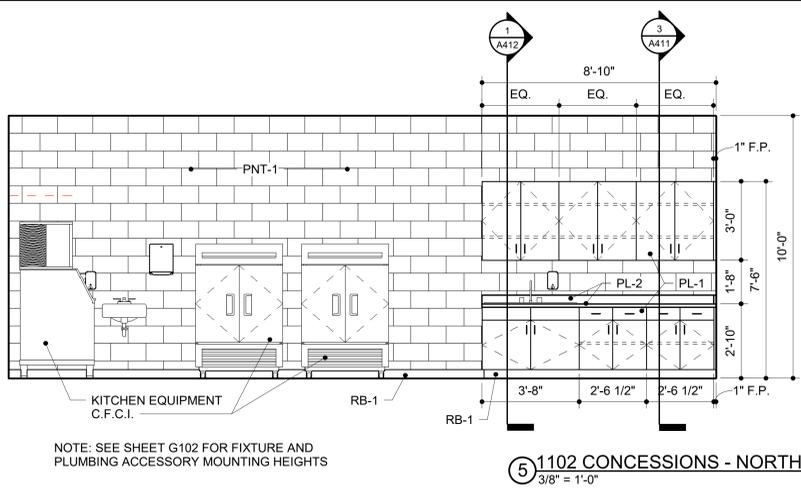
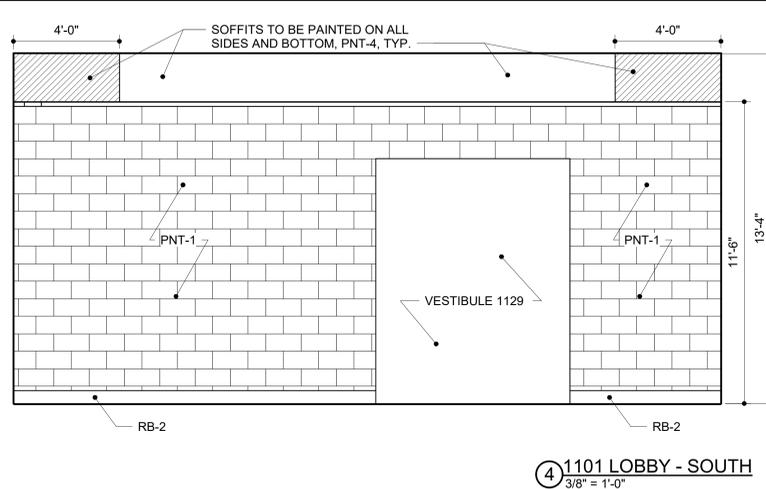
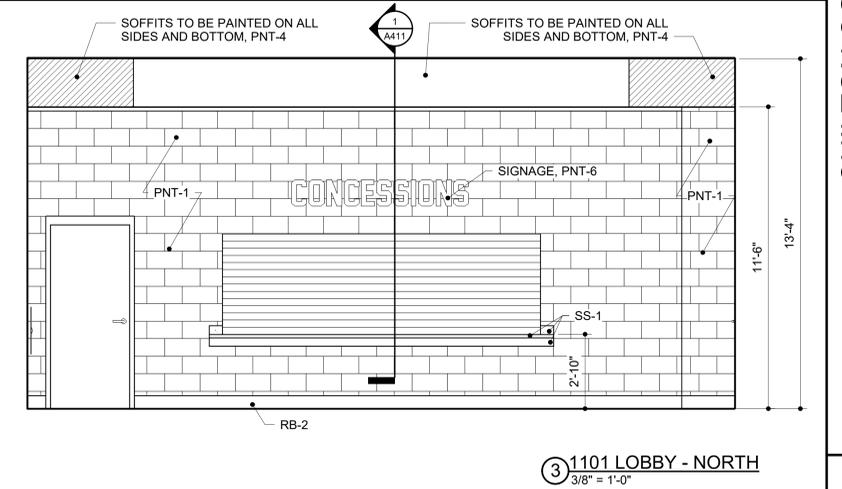
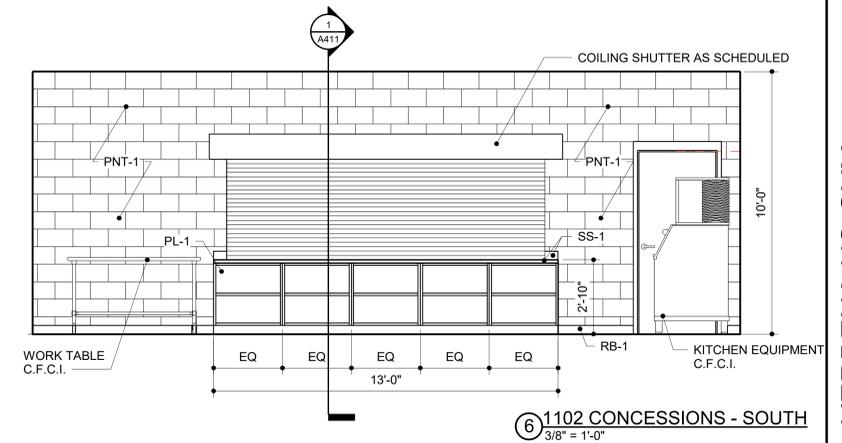
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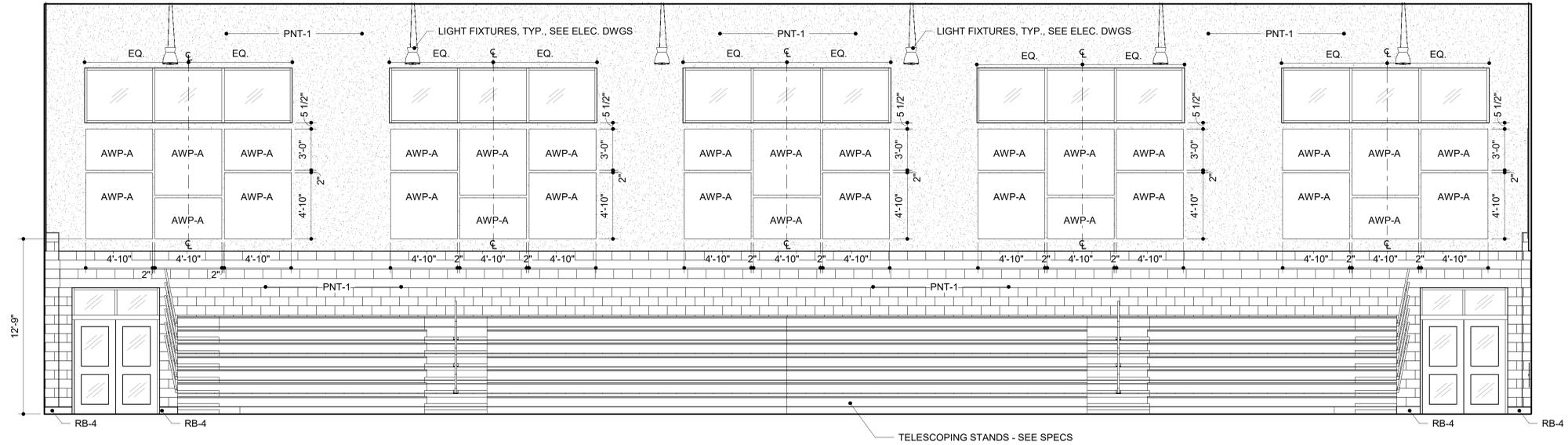
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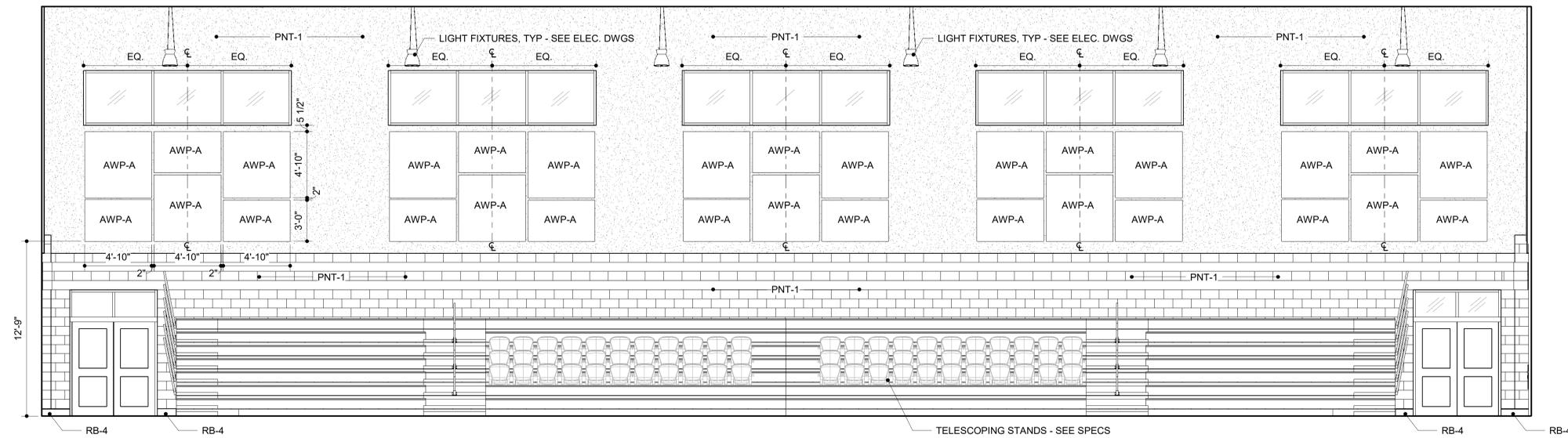
INTERIOR ELEVATIONS

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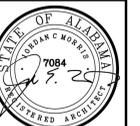




② 1106 COURT - SOUTH
1/4" = 1'-0"



① 1106 COURT - NORTH
1/4" = 1'-0"



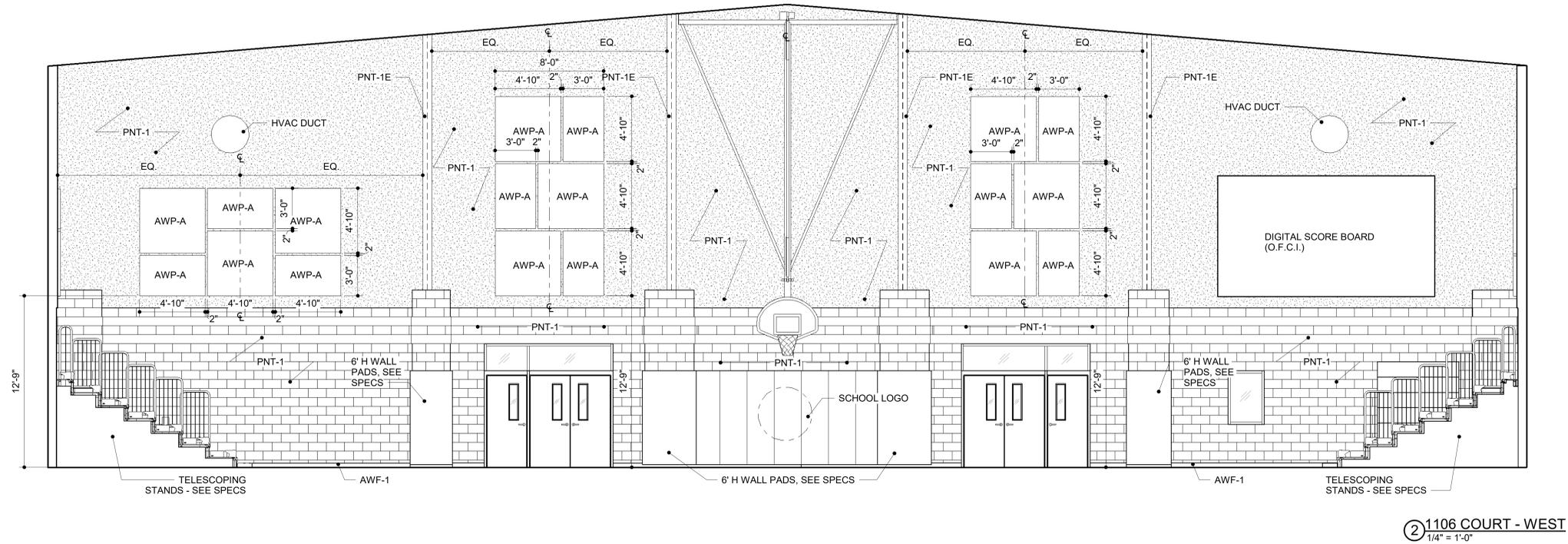
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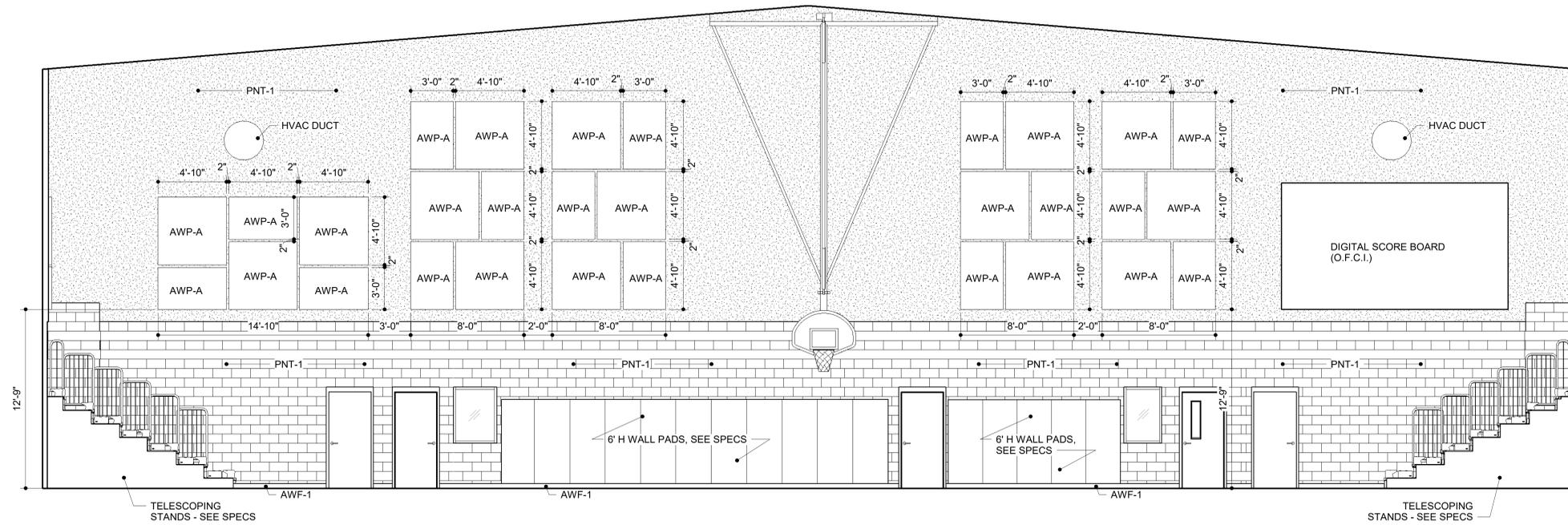
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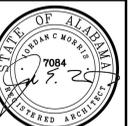
INTERIOR ELEVATIONS



② 1106 COURT - WEST
1/4" = 1'-0"



① 1106 COURT - EAST
1/4" = 1'-0"



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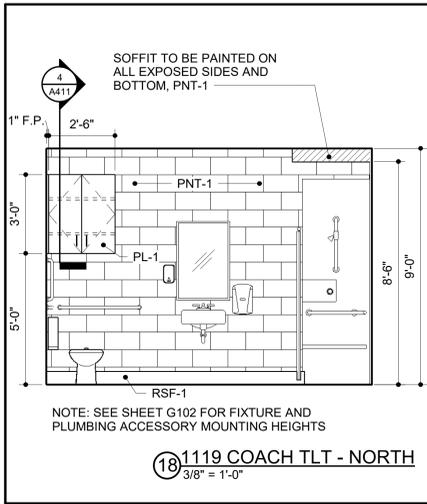
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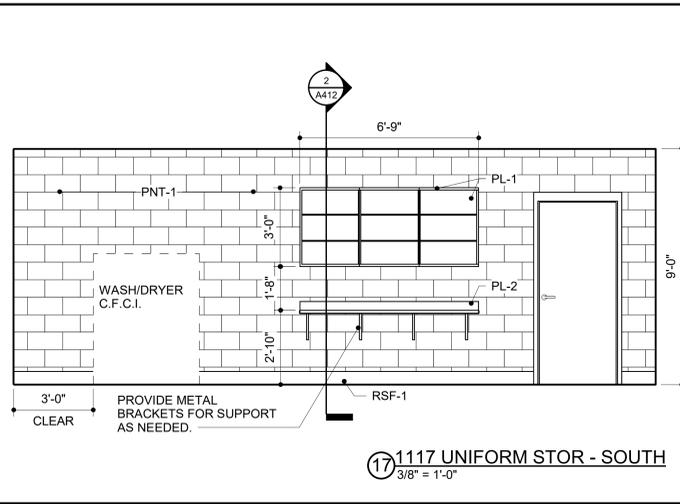
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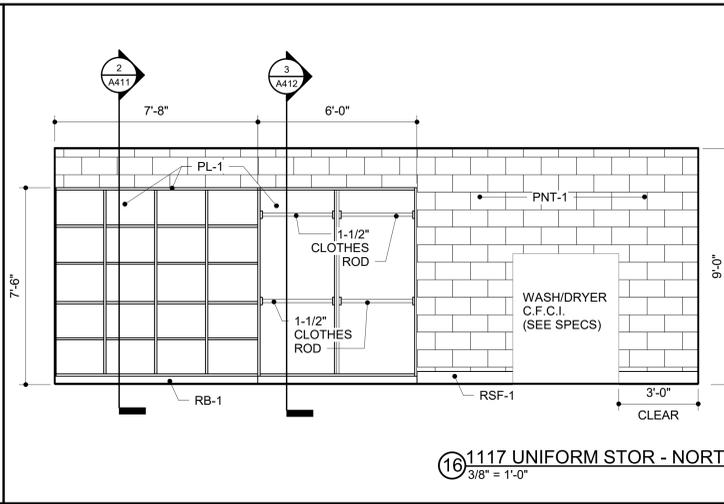
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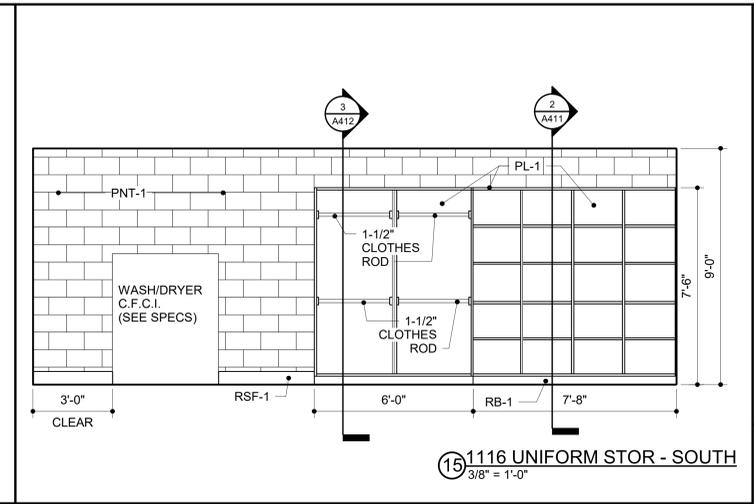
1119 COACH TLT - NORTH
3/8" = 1'-0"



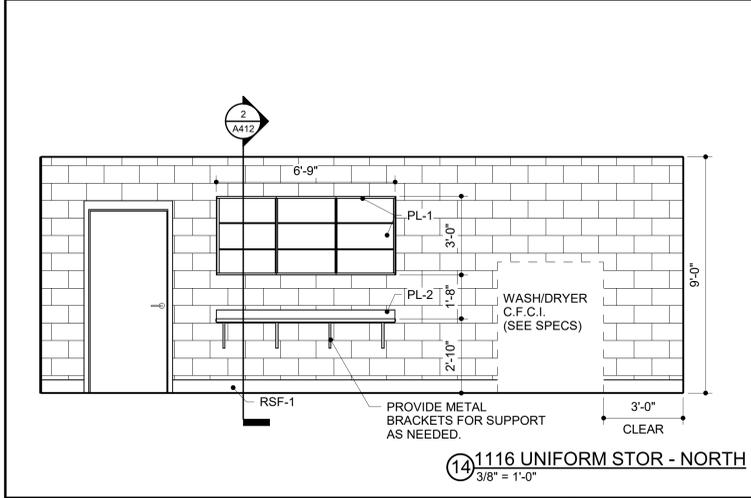
1117 UNIFORM STOR - SOUTH
3/8" = 1'-0"



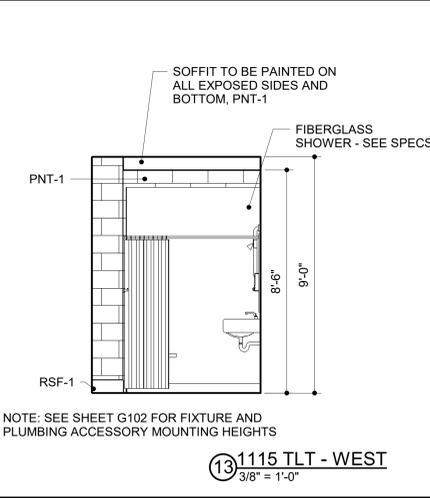
1117 UNIFORM STOR - NORTH
3/8" = 1'-0"



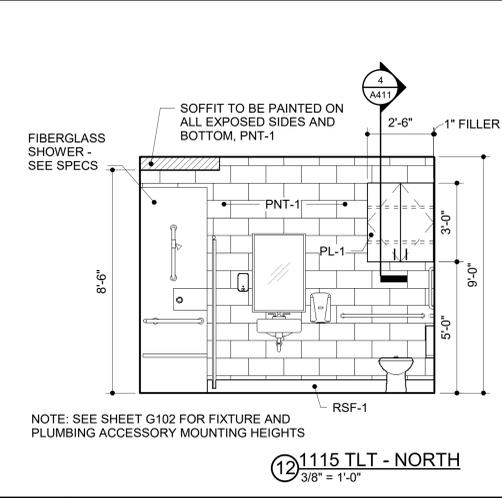
1116 UNIFORM STOR - SOUTH
3/8" = 1'-0"



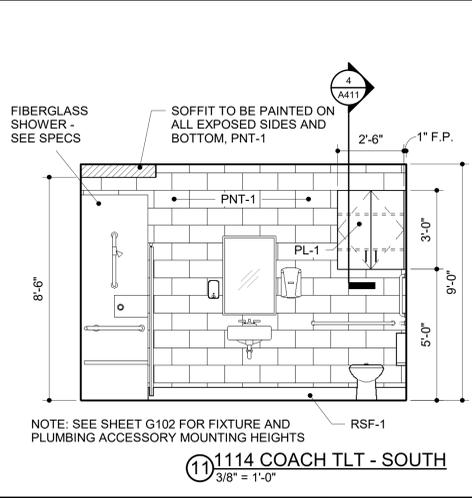
1116 UNIFORM STOR - NORTH
3/8" = 1'-0"



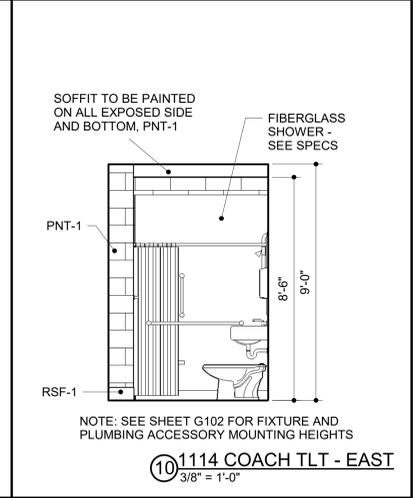
1115 TLT - WEST
3/8" = 1'-0"



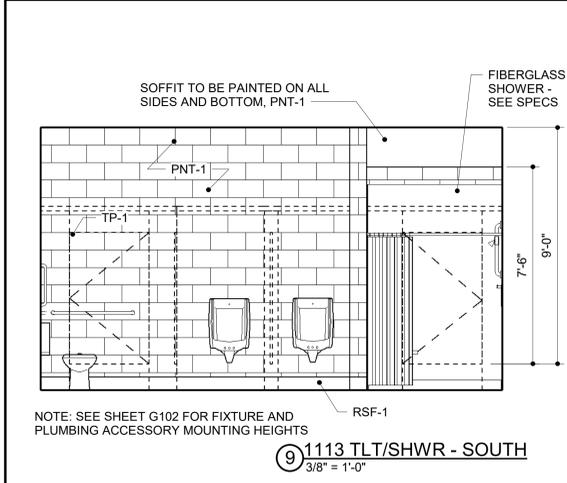
1115 TLT - NORTH
3/8" = 1'-0"



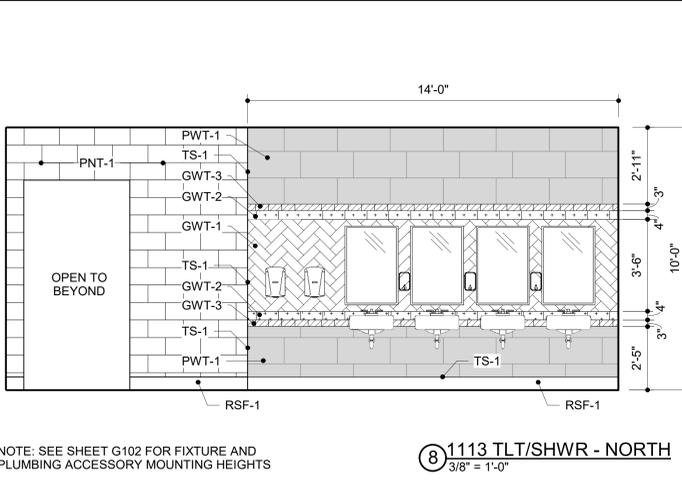
1114 COACH TLT - SOUTH
3/8" = 1'-0"



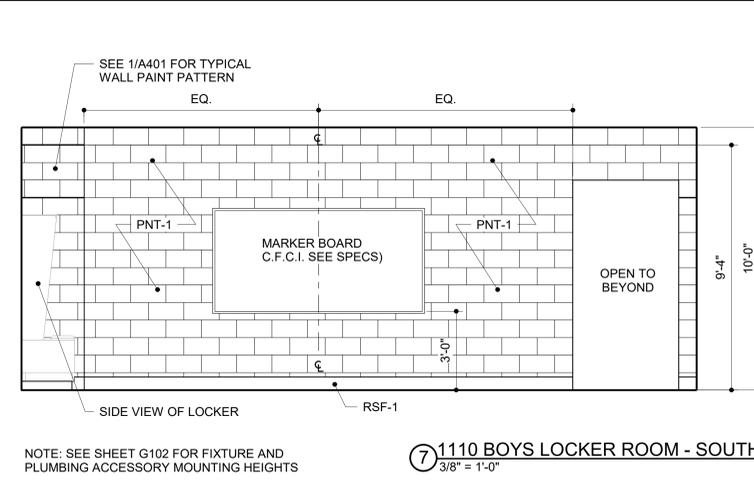
1114 COACH TLT - EAST
3/8" = 1'-0"



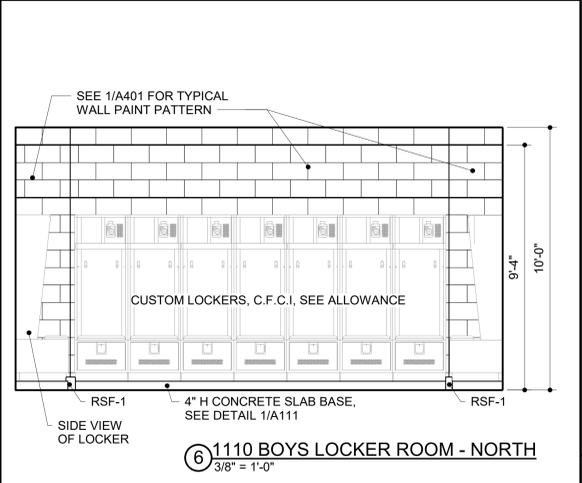
1113 TLT/SHWR - SOUTH
3/8" = 1'-0"



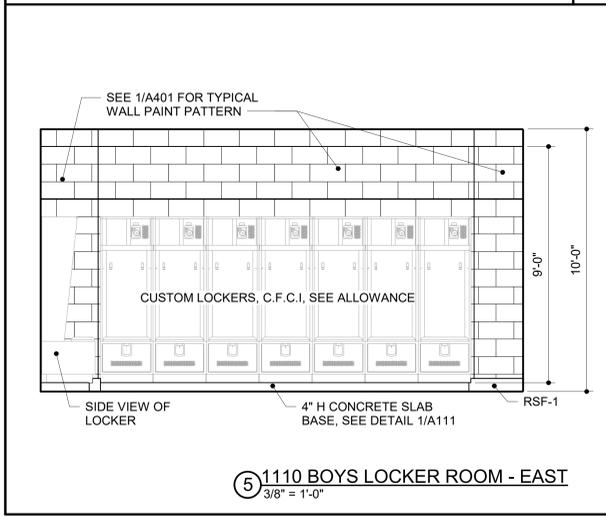
1113 TLT/SHWR - NORTH
3/8" = 1'-0"



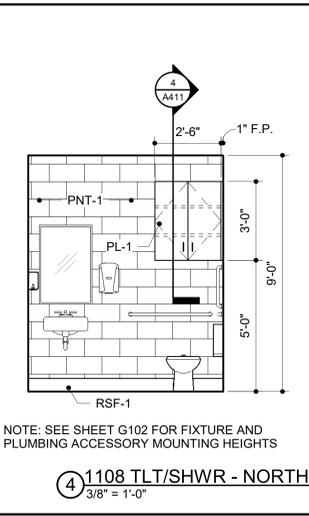
1110 BOYS LOCKER ROOM - SOUTH
3/8" = 1'-0"



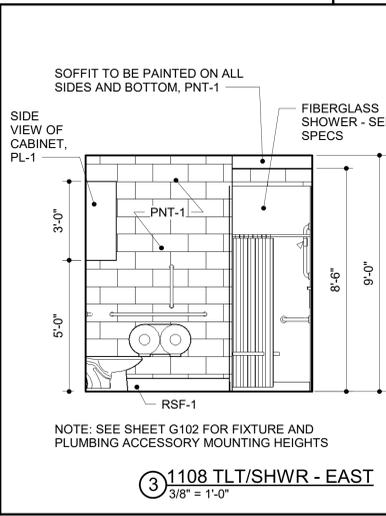
1110 BOYS LOCKER ROOM - NORTH
3/8" = 1'-0"



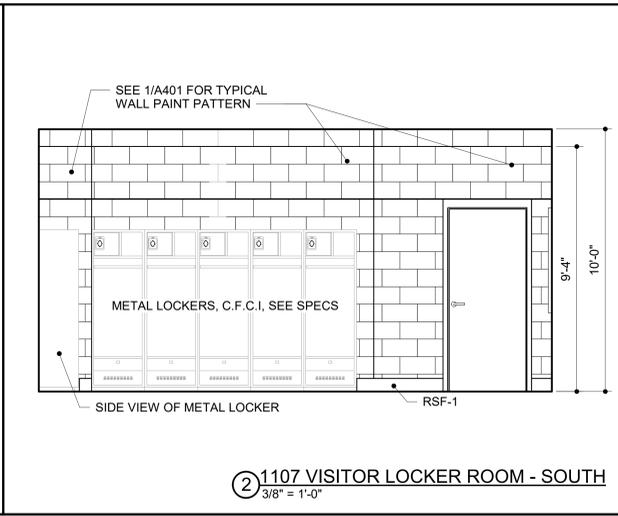
1110 BOYS LOCKER ROOM - EAST
3/8" = 1'-0"



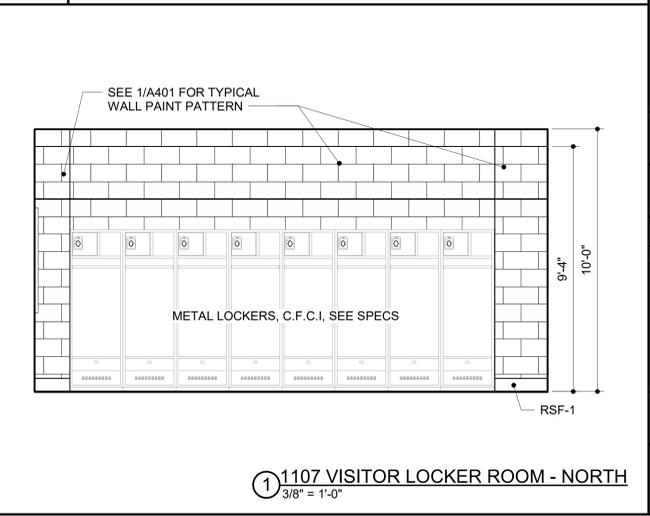
1108 TLT/SHWR - NORTH
3/8" = 1'-0"



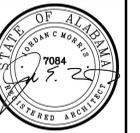
1108 TLT/SHWR - EAST
3/8" = 1'-0"



1107 VISITOR LOCKER ROOM - SOUTH
3/8" = 1'-0"



1107 VISITOR LOCKER ROOM - NORTH
3/8" = 1'-0"



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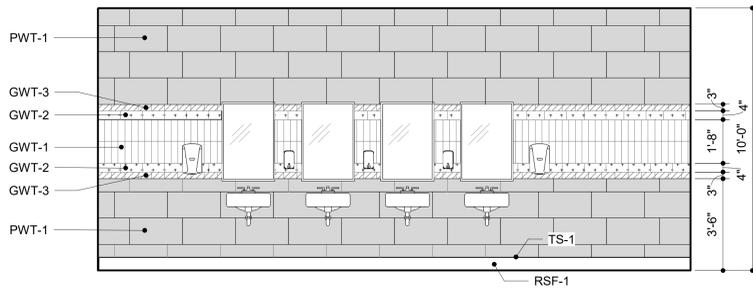
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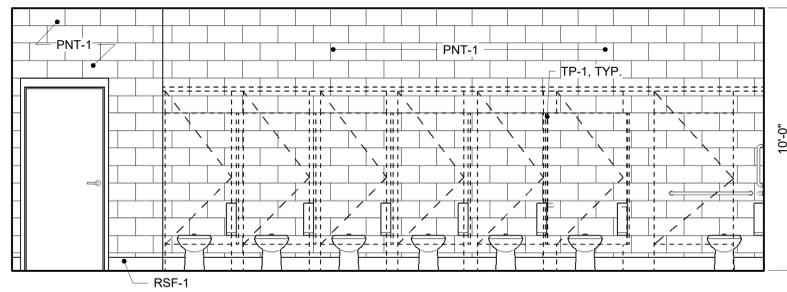
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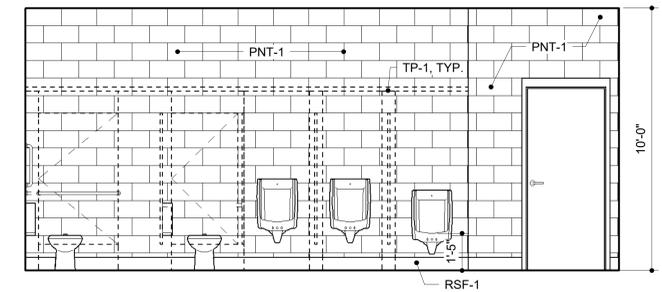
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13 1131 WOMENS - WEST
3/8" = 1'-0"



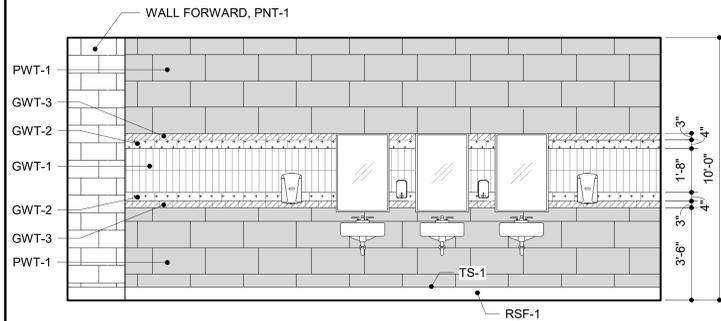
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12 1131 WOMENS - EAST
3/8" = 1'-0"



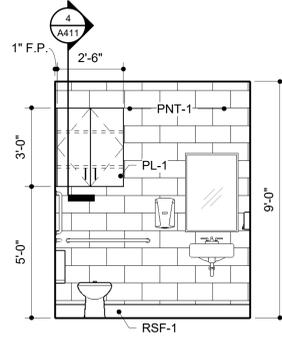
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11 1128 MENS - WEST
3/8" = 1'-0"



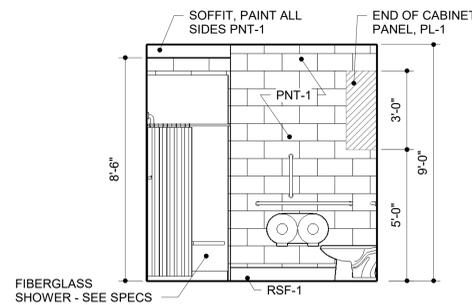
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10 1128 MENS - EAST
3/8" = 1'-0"



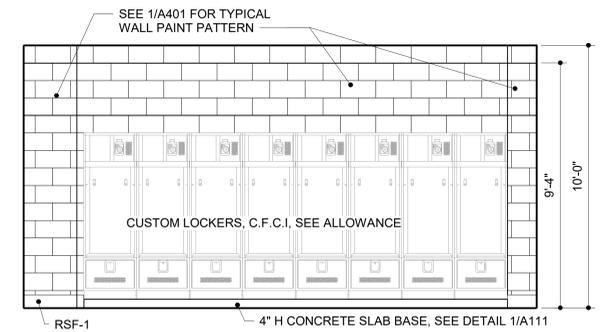
NOTE: SEE SHEET G102 FOR FIXTURE AND PLUMBING ACCESSORY MOUNTING HEIGHTS

9 1125 TLT/SHWR - SOUTH
3/8" = 1'-0"

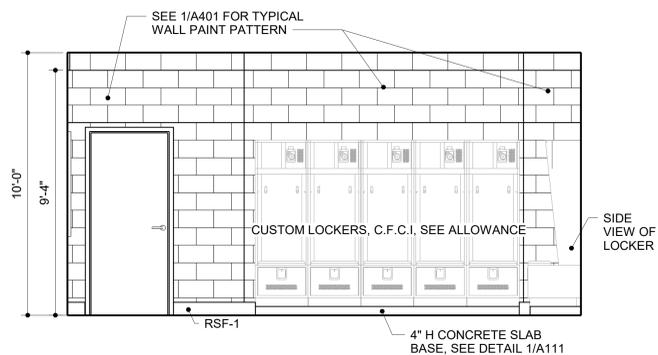


NOTE: SEE SHEET G102 FOR FIXTURE AND PLUMBING ACCESSORY MOUNTING HEIGHTS

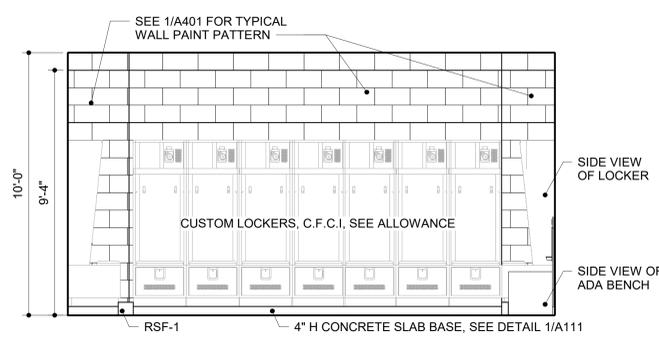
8 1125 TLT/SHWR - EAST
3/8" = 1'-0"



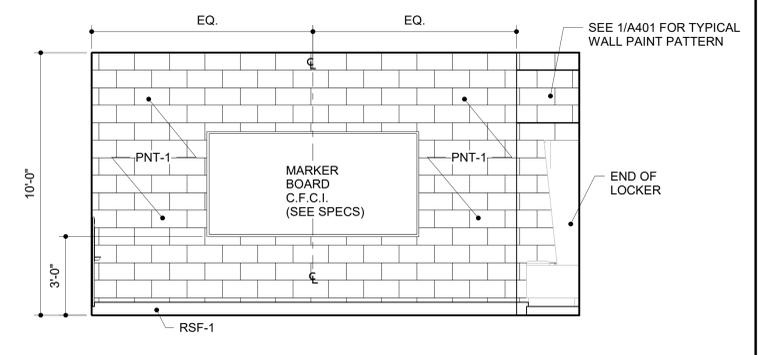
7 1124 VISITOR/VOLLEYBALL LOCKER RM - SOUTH
3/8" = 1'-0"



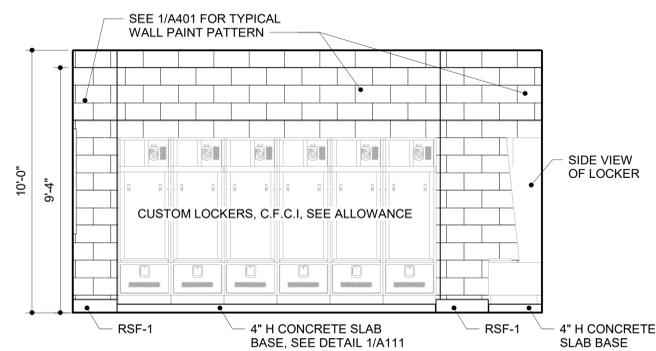
6 1124 VISITOR/VOLLEYBALL LOCKER RM - NORTH
3/8" = 1'-0"



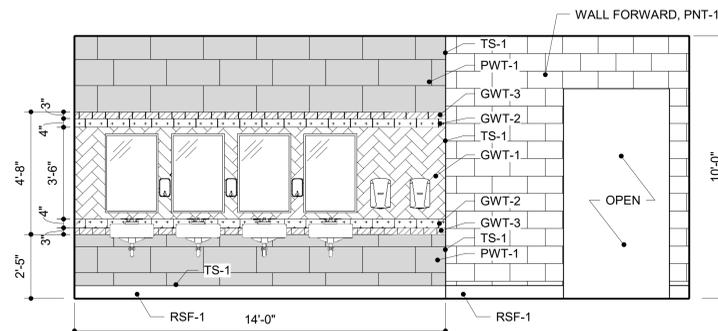
5 1122 GIRLS LOCKER ROOM - SOUTH
3/8" = 1'-0"



4 1122 GIRLS LOCKER ROOM - NORTH
3/8" = 1'-0"

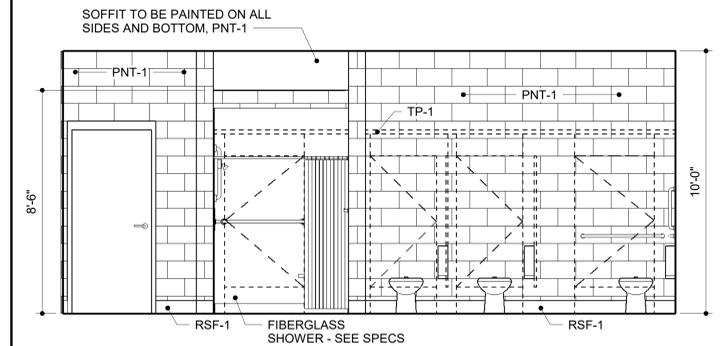


3 1122 GIRLS LOCKER ROOM - EAST
3/8" = 1'-0"



NOTE: SEE SHEET G102 FOR FIXTURE AND PLUMBING ACCESSORY MOUNTING HEIGHTS

2 1120 TLT/SHWR - SOUTH
3/8" = 1'-0"



NOTE: SEE SHEET G102 FOR FIXTURE AND PLUMBING ACCESSORY MOUNTING HEIGHTS

1 1120 TLT/SHWR - NORTH
3/8" = 1'-0"



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INTERIOR ELEVATIONS



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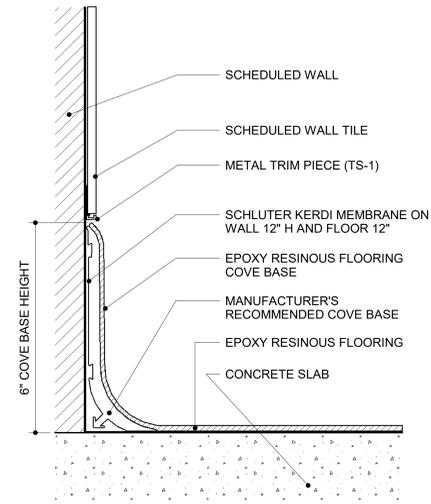
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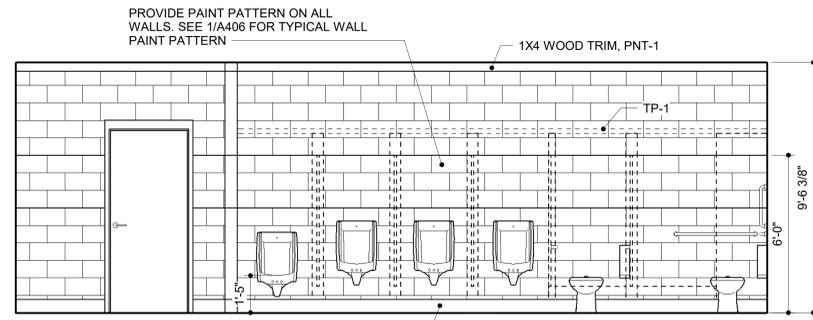
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INTERIOR ELEVATIONS

A406

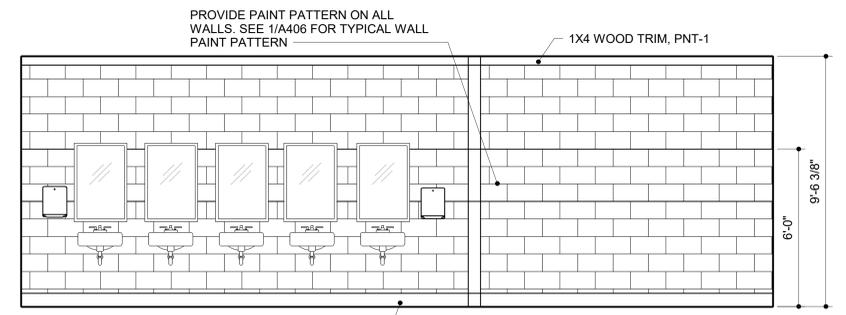


7 RESINOUS FLOORING BASE DETAIL
 6\"/>



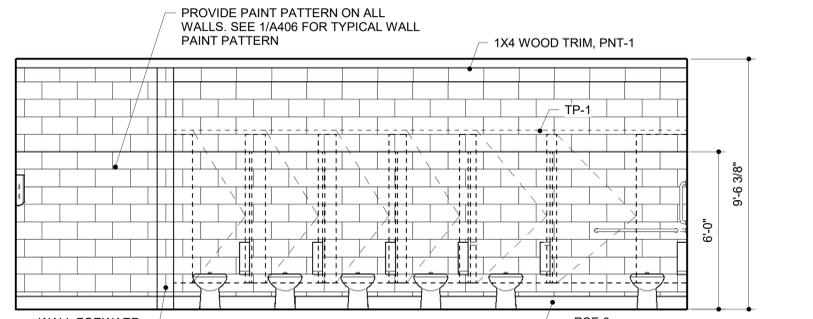
6 1302 MEN - WEST
 3/8\"/>

NOTE: SEE SHEET G102 FOR FIXTURE AND PLUMBING ACCESSORY MOUNTING HEIGHTS. ADA URINAL 17\"/>



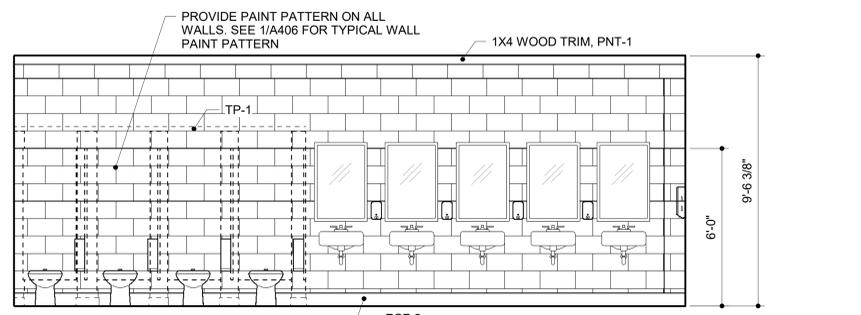
5 1302 MEN - EAST
 3/8\"/>

NOTE: SEE SHEET G102 FOR FIXTURE AND PLUMBING ACCESSORY MOUNTING HEIGHTS



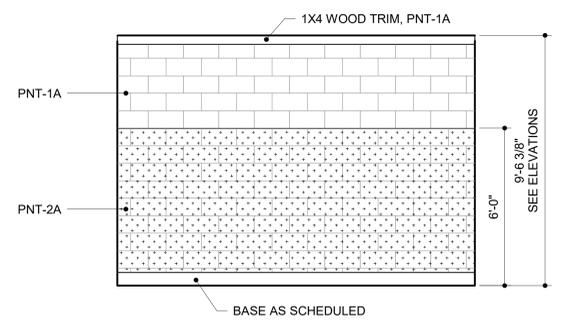
4 1301A WOMEN - WEST
 3/8\"/>

NOTE: SEE SHEET G102 FOR FIXTURE AND PLUMBING ACCESSORY MOUNTING HEIGHTS



3 1301A WOMEN - EAST
 3/8\"/>

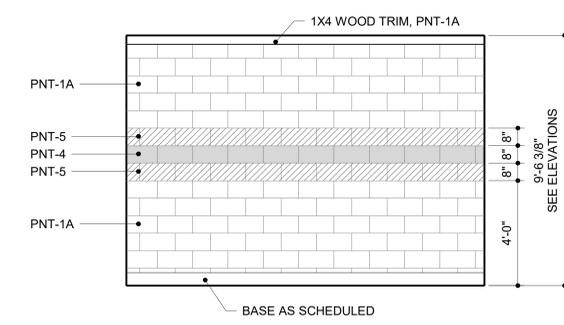
NOTE: SEE SHEET G102 FOR FIXTURE AND PLUMBING ACCESSORY MOUNTING HEIGHTS



2 TYP. WALL PAINT PATTERN - JAN CLOSET
 3/8\"/>

- PNT-1A** GENERAL PAINT
 SHERWIN WILLIAMS
 COLOR: DORIAN GRAY 7017
 SHEEN: SEMI-GLOSS
- PNT-2A** WAINSCOT COLOR
 SHERWIN WILLIAMS
 COLOR: GAUNTLET GRAY 7019
 SHEEN: SEMI-GLOSS

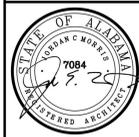
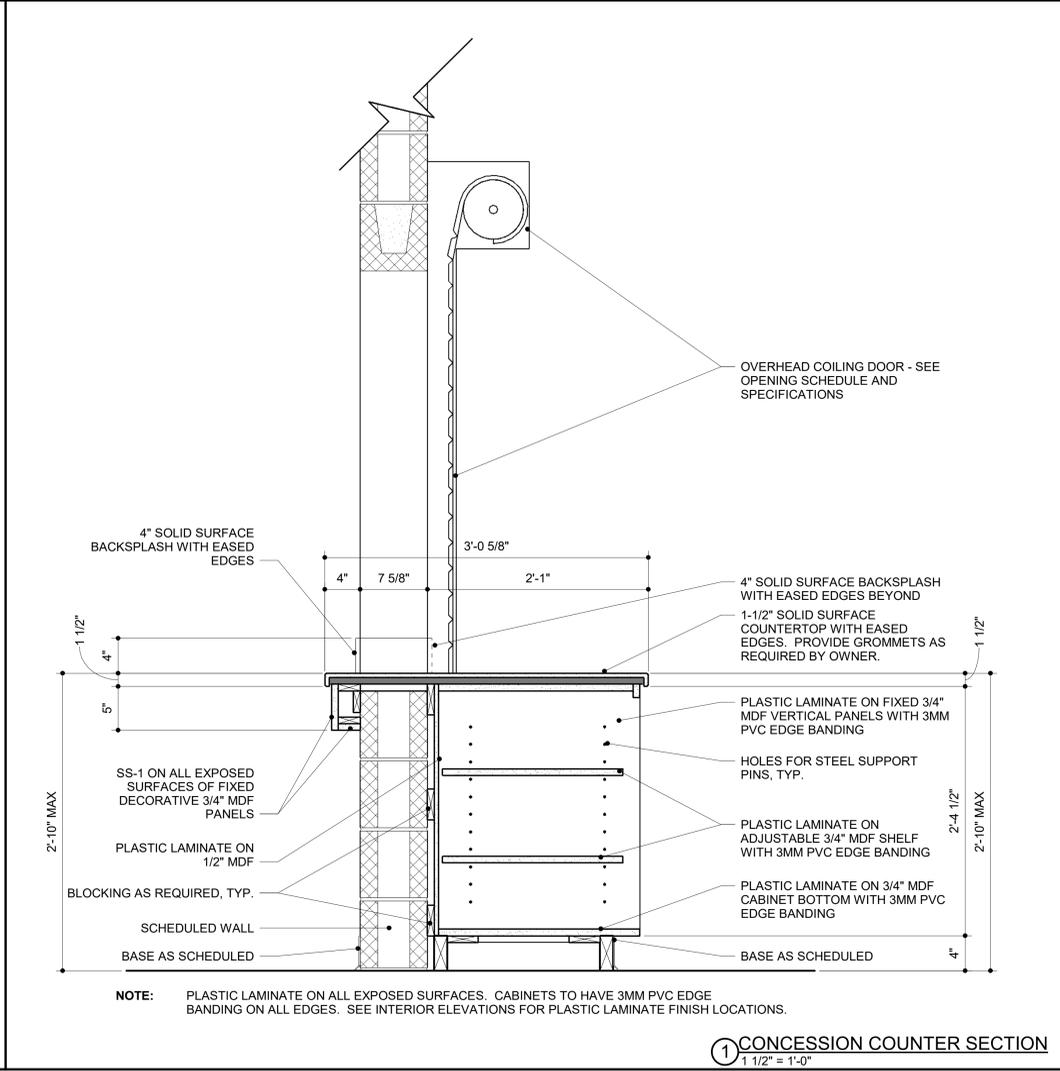
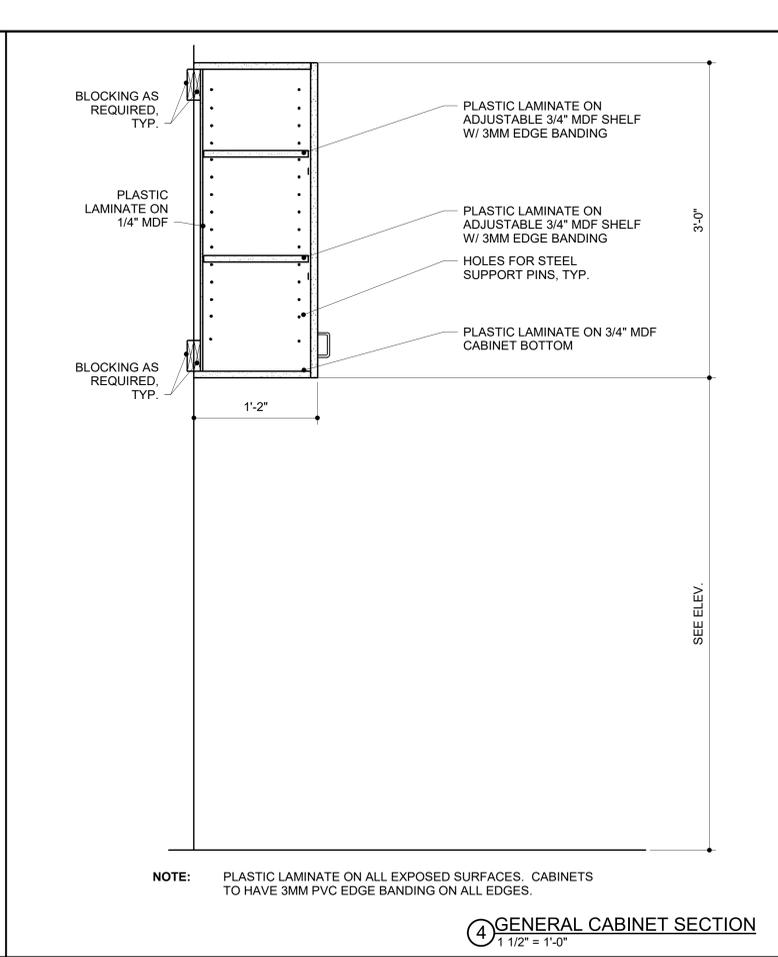
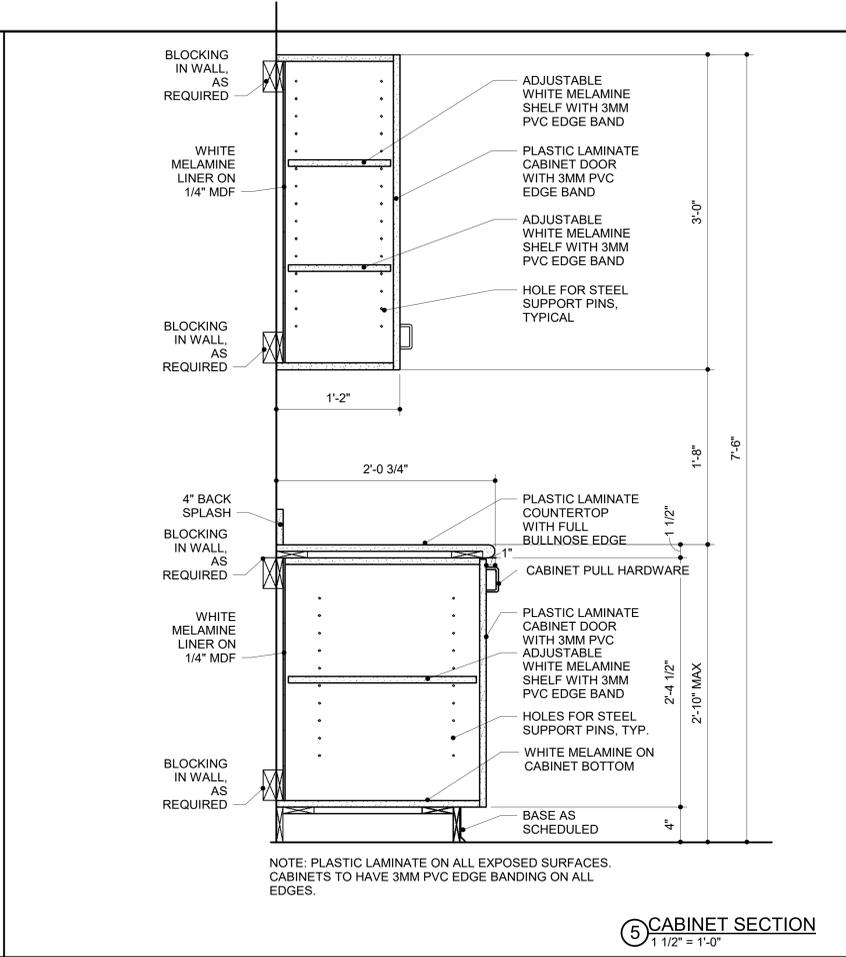
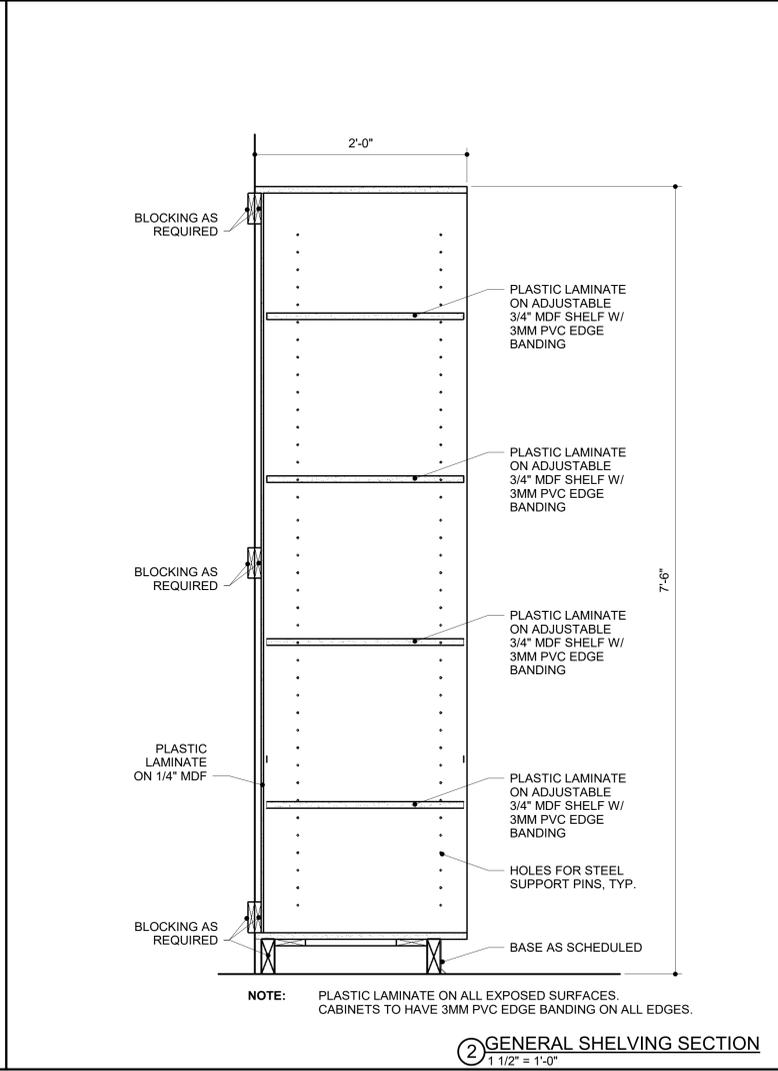
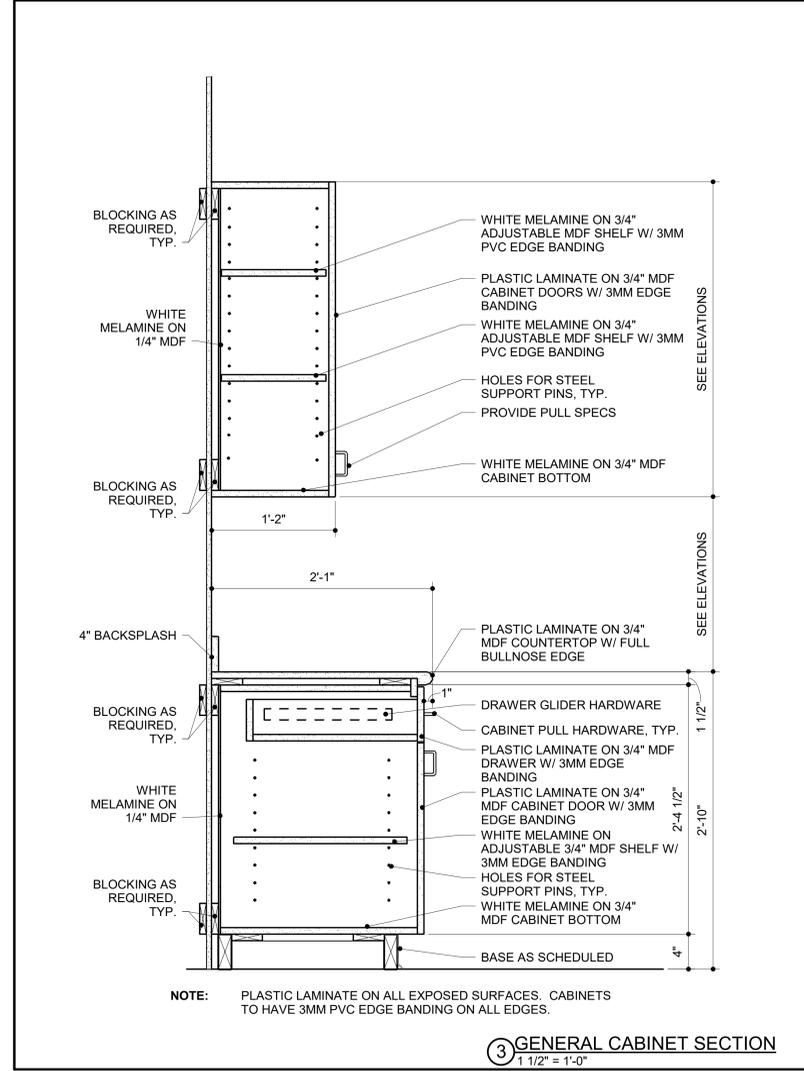
LOCATIONS: 1303 JAN.



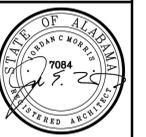
1 TYP. WALL PAINT PATTERN - CONCESSIONS AND RESTROOMS
 3/8\"/>

- PNT-1A** GENERAL PAINT
 SHERWIN WILLIAMS
 COLOR: DORIAN GRAY SW 7017
 SHEEN: SEMI-GLOSS
- PNT-4** ACCENT PAINT
 BENJAMIN MOORE
 COLOR: EXOTIC RED 2086-10
 SHEEN: SEMI-GLOSS
- PNT-5** ACCENT PAINT
 MFR. SHERWIN WILLIAMS
 COLOR: SNOWBOUND SW 7004
 SHEEN: SEMI-GLOSS

LOCATIONS: 1102 CONCESSIONS, 1301A WOMEN AND 1302 MEN RESTROOMS



BID DOCUMENTS		
DATE:	01/08/26	
PROJ NO:	25-032	
REVISIONS		
#	DESC	DATE
INTERIOR SECTIONS		
A411		



BID DOCUMENTS

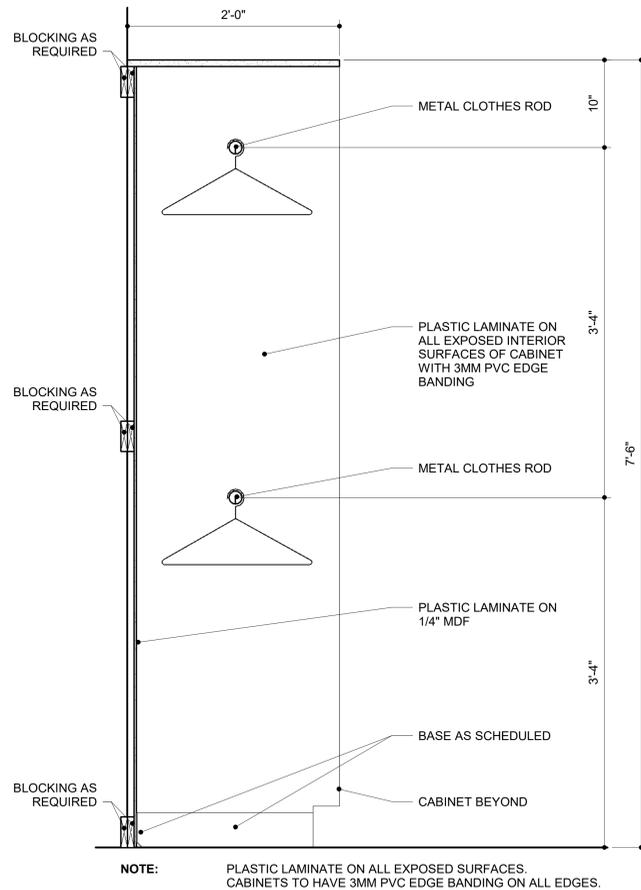
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PROJ NO: 25-032

REVISIONS

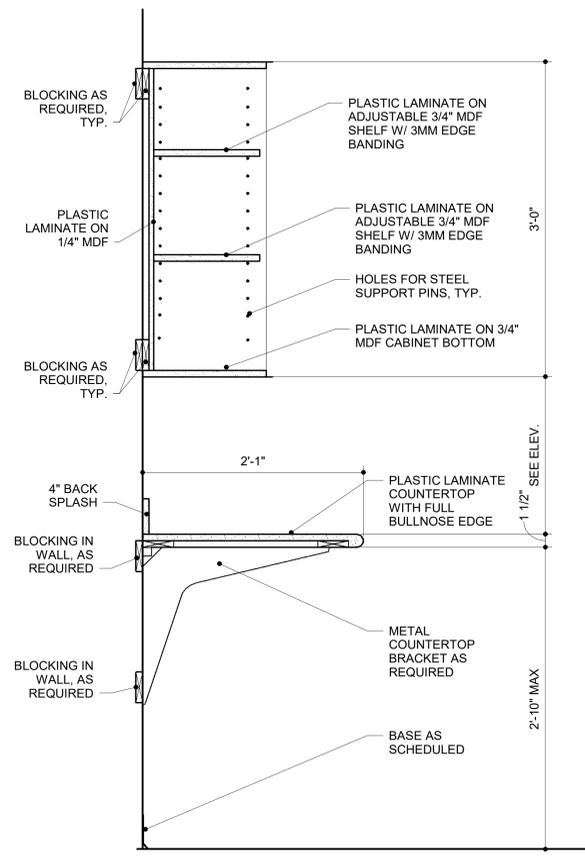
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INTERIOR SECTIONS

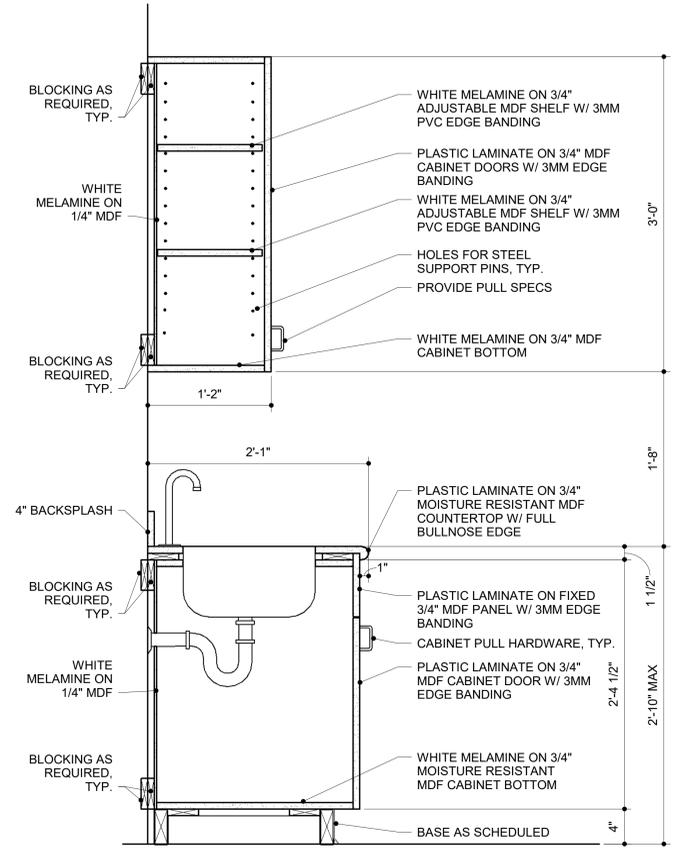
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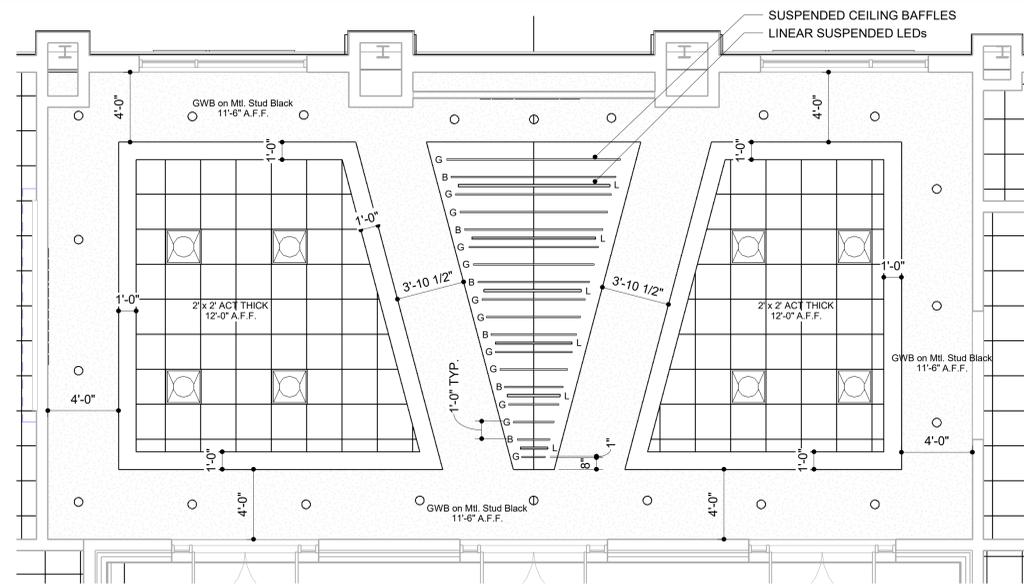
3 TALL CABINET SECTION
1 1/2" = 1'-0"



2 GENERAL COUNTERTOP SECTION
1 1/2" = 1'-0"



1 GENERAL SINK CABINET SECTION
1 1/2" = 1'-0"



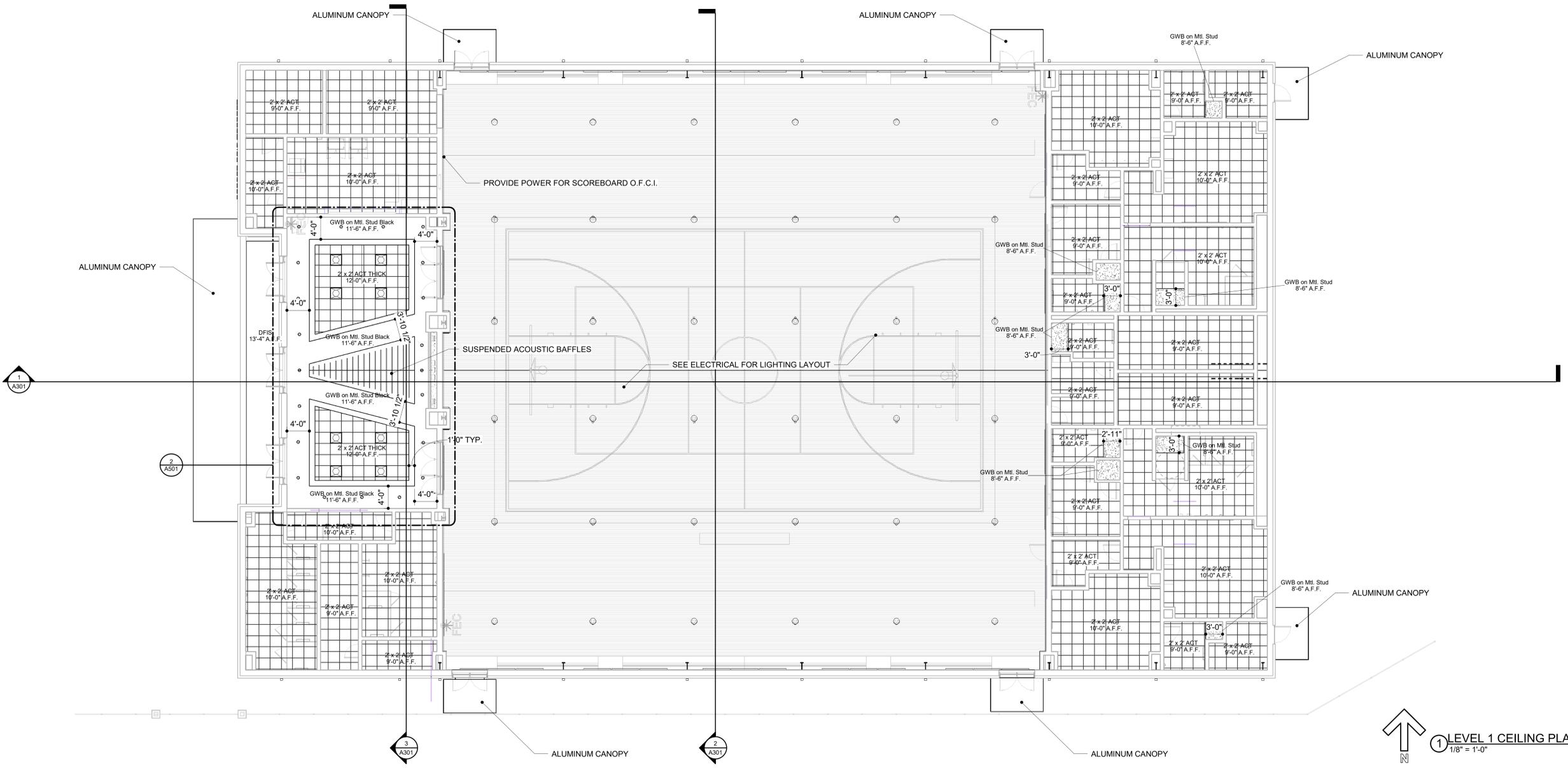
BAFFLE LEGEND
 G AC-BAF-A (GREY BAFFLE)
 B AC-BAF-B (BLUE BAFFLE)
 L LINEAR LED LIGHT

REFLECTED CEILING PLAN LEGEND:

	2' X 2' ACOUSTICAL CEILING TILE		WALL MOUNTED LIGHT FIXTURE
	GYPSUM BOARD CEILING		FLUORESCENT LIGHT FIXTURE
	2' X 4' LIGHT FIXTURE		RECESSED LIGHT FIXTURE
	2' X 2' LIGHT FIXTURE		MECHANICAL SUPPLY DIFFUSER
	CAN LIGHT FIXTURE		MECHANICAL RETURN DIFFUSER
	PENDANT LIGHT		AIR VENT

NOTE: LIGHT FIXTURES SHOWN ON ARCHITECTURAL PLANS ARE FOR COORDINATION AND LOCATION PURPOSES BASED ON CEILING GRID LAYOUT AS SHOWN. ALL FIXTURES TYPES AND CIRCUITRY BY ELECTRICAL ENGINEER. NOTIFY ARCHITECT IF DISCREPANCY IS NOTED FROM FIELD CONDITION AND CEILING GRID SYSTEM INSTALLED.

2 ENLARGED LOBBY RCP
 1/4" = 1'-0"



1 LEVEL 1 CEILING PLAN
 1/8" = 1'-0"



BID DOCUMENTS

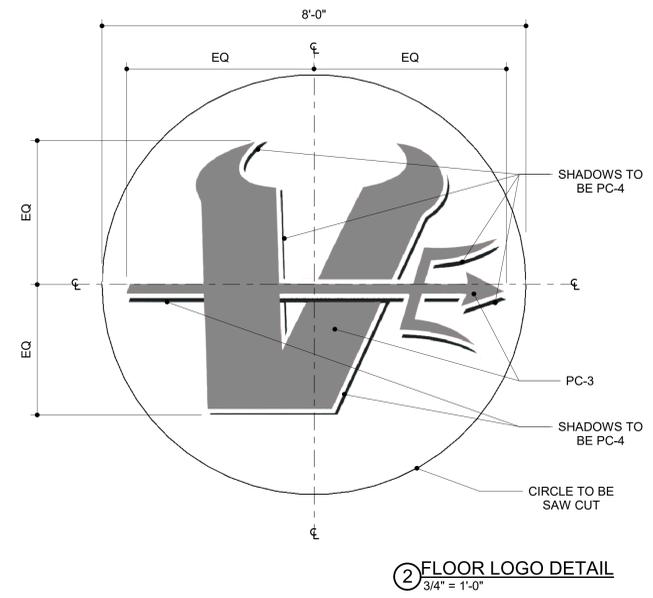
DATE: 01/08/26
 PROJ NO: 25-032

REVISIONS

#	DESC	DATE

REFLECTED CEILING PLAN

A501

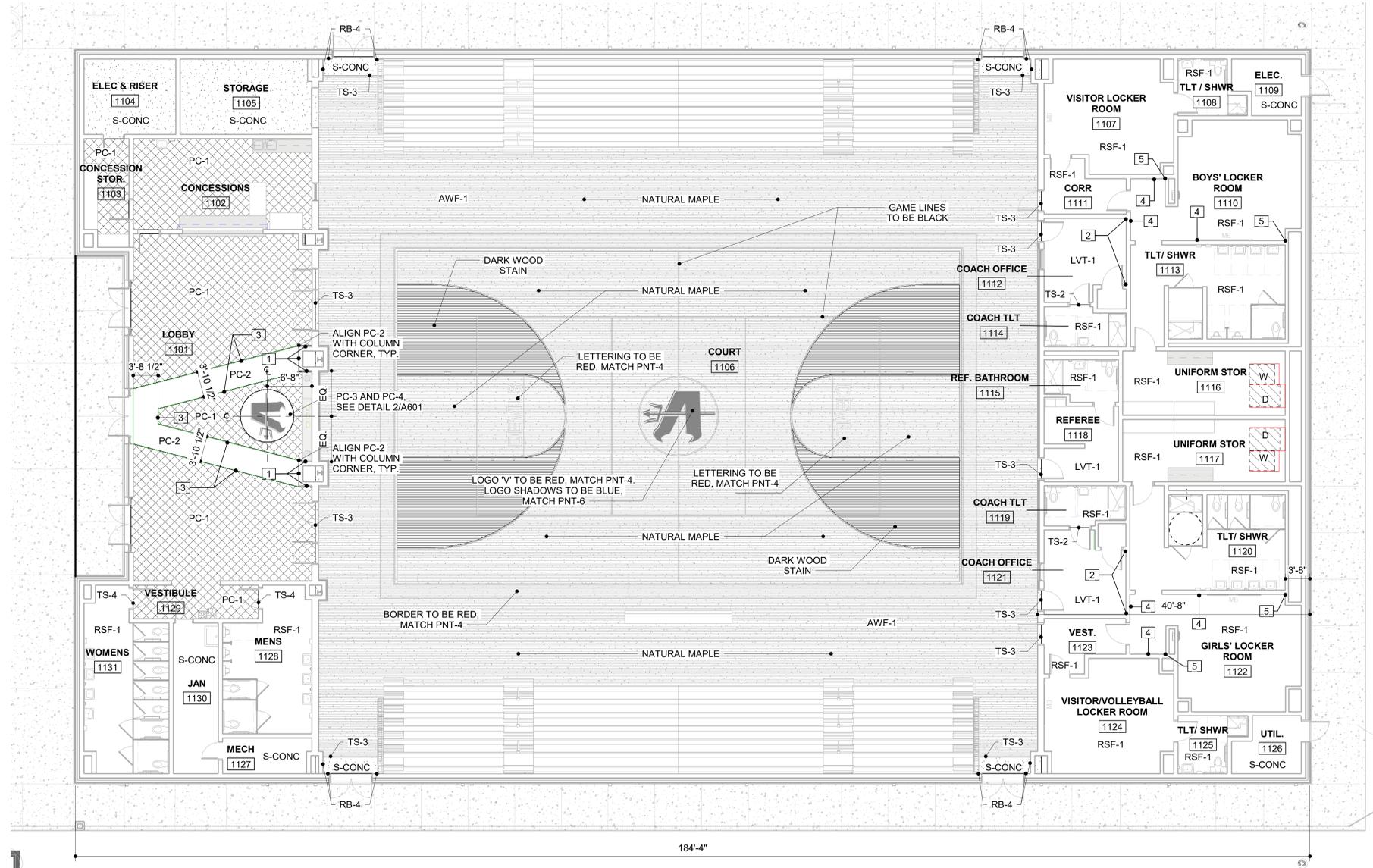


GENERAL NOTES:

REFERENCE NOTES	
NUMBER	NOTE
1	PAINT ALL SIDES OF COLUMN PNT-4
2	PAINT WALL PNT-6 FROM INSIDE CORNER TO INSIDE CORNER.
3	SAW CUT LINES
4	WALL STRIPE NOT TO BE PAINTED ON THIS WALL, PNT-1 ONLY
5	STOP PAINT STRIPE AT INSIDE CORNER

FINISH LEGEND:

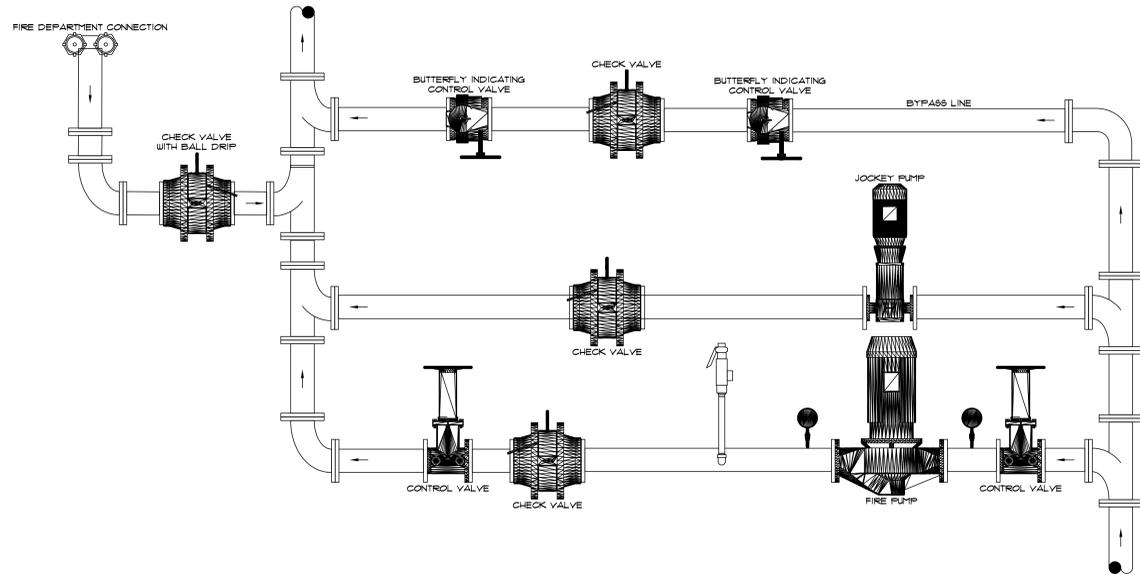
- FLOORING:**
- AWF-1 ATHLETIC WOOD FLOORING SYSTEM WITH GAME LINES
ROBBINS SPORTS SURFACES
BIO CHANNEL SB FLOOR SYSTEM
STAIN COLOR: TWO-TONE (CLEAR/DARK WOOD STAIN)
COURTLINE COLORS: TBD
SEE 1/A601 FOR STAIN/COLOR LOCATIONS
SEE 5/A331 FOR FLOORING DETAIL
 - LVT-1 LUXURY VINYL TILE
TARKETT
COLLECTION: EVENT STONE
STYLE: PEUS URBAN STONE
COLOR: 11203 COSMIC
SIZE: 12"X24"
TOTAL THICKNESS: 3 MM
WEAR LAYER: 30 MIL
INSTALLATION METHOD: QUARTER TURN
 - RSF-1 RESINOUS FLOORING WITH 6" INTEGRAL BASE
SHERWIN WILLIAMS
1/8" RESUFLO DECO FLAKE BC
COLOR: METEORITE GP6755FMT
WEARING SURFACE: STANDARD AT ALL SCHEDULED LOCATIONS EXCEPT SHOWERS. SEE SPECS FOR MORE INFORMATION.
SEE 7/A406 FOR BASE DETAIL
 - RSF-2 RESINOUS FLOORING WITH 6" INTEGRAL BASE
SHERWIN WILLIAMS
RESUFLO DECO FLAKE BC SPECIAL
CUSTOM CASE# 10727522
1/8" RESUFLO DECO FLAKE BC
COLOR: CS-727522-1CUS
TOPCOAT: ELLADUR 4850
WEARING SURFACE: STANDARD AT ALL SCHEDULED LOCATIONS EXCEPT SHOWERS. SEE SPECS FOR MORE INFORMATION.
SEE 7/A406 FOR BASE DETAIL
LOCATION: ATHLETIC UPGRADES
- PC-1 POLISHED CONCRETE
CONSOLIDECK
COLOR: WELSH SLATE
 - PC-2 POLISHED CONCRETE
AMERIPOLISH
COLOR: MIDNIGHT BLACK
 - PC-3 POLISHED CONCRETE
AMERIPOLISH
COLOR: SEPIA
 - PC-4 POLISHED CONCRETE
CONSOLIDECK
COLOR: AMETHYST
 - S-CONC SEALED CONCRETE
- TRANSITION STRIPS:**
- TS-1 TRIM AT PORCELAIN WALL TILE EDGES
SCHLUTER SYSTEMS
JOLLY/SCHIENE
FINISH: SATIN NICKEL ANODIZED ALUMINUM (AT)
 - TS-2 LVT TO RESINOUS FLOORING TRANSITION
SCHLUTER SYSTEMS
VINPRO-U
FINISH: BRUSHED NICKEL ANODIZED ALUMINUM (ATGB)
 - TS-3 ATHLETIC WOOD FLOORING TO CONCRETE/RESINOUS/LVT
ROBBINS SPORTS SURFACES
MANUFACTURER-PROVIDED THRESHOLD COVER PLATE
 - TS-4 CONCRETE TO RESINOUS
MANF. RECOMMENDED



1 FLOOR PLAN - FLOOR PATTERN PLAN - GYMNASIUM
1/8" = 1'-0"



BID DOCUMENTS		
DATE:	01/08/26	
PROJ NO:	25-032	
REVISIONS		
#	DESC	DATE
FLOOR PATTERN PLAN		
A601		

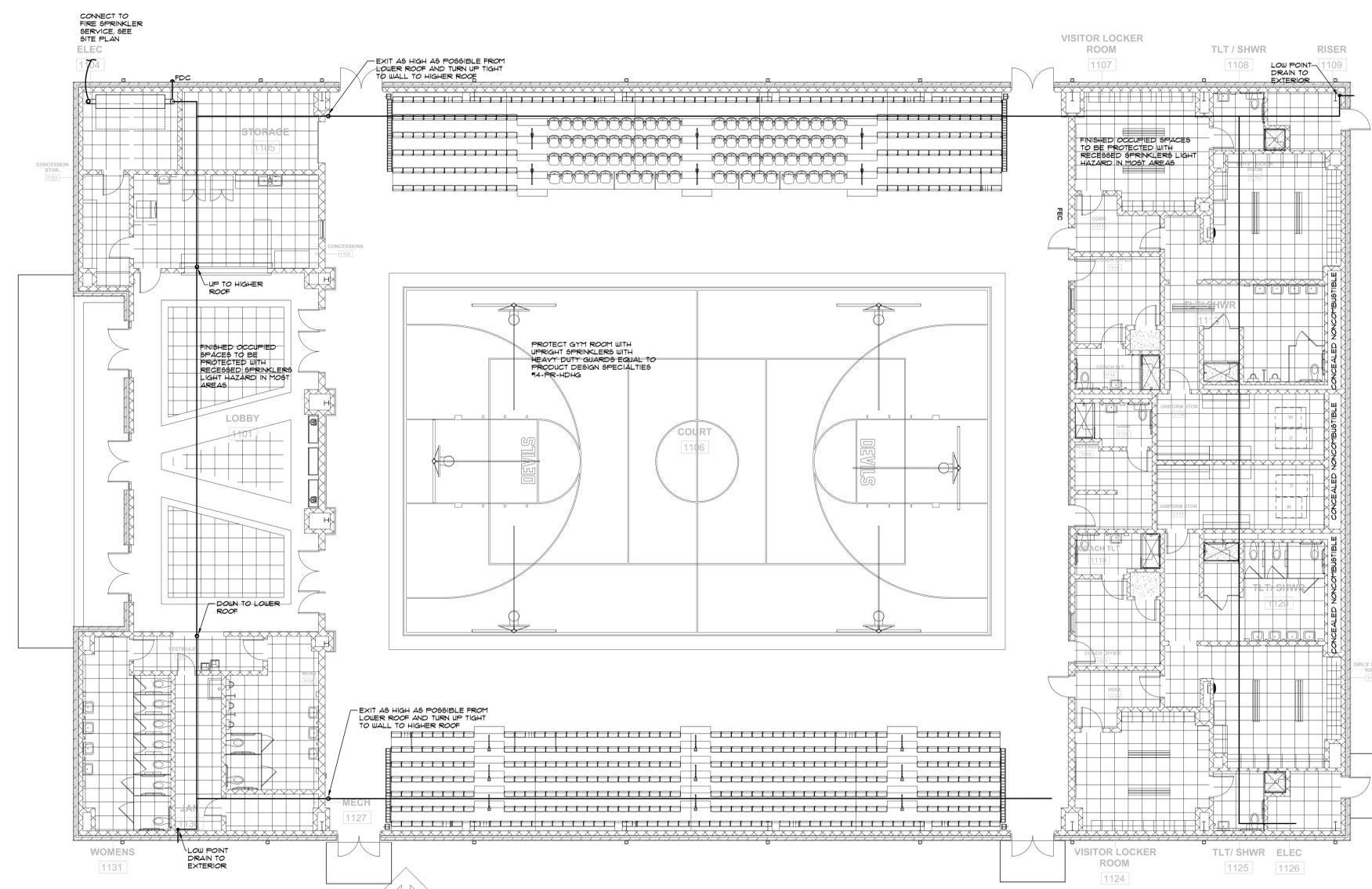


4 FIRE PUMP SCHEMATIC
NOT TO SCALE

FIRE PUMP TO BE EQUAL TO ARMSTRONG VERTICAL INLINE, ASSUMED MOTOR NOT TO EXCEED 40 HP. 208V/3/60. FIRE PUMP CONTROLLER EQUAL TO EATON F120 SERIES, INCLUDE "PUMP RUN" AND "AC POWER FAILURE" CONTACTS. 1 HP JOCKEY PUMP, 208V/3/60. JOCKEY PUMP EQUAL TO EATON XT1P SERIES

3 FIRE PUMP SCHEDULE
NO SCALE

- 2 FIRE SPRINKLER GENERAL NOTES
NO SCALE
- CONTRACTOR TO DESIGN AND INSTALL AN AUTOMATIC FIRE SPRINKLER SYSTEM THROUGHOUT BUILDING.
 - ALL WORK MUST CONFORM TO CURRENT NFPA 13 STANDARDS AND ALL STATE AND LOCAL FIRE MARSHAL CODES AND REQUIREMENTS.
 - CONTRACTOR TO BE LICENSED BY STATE FIRE MARSHALS OFFICE
 - SHOP DRAWINGS AND HYDRAULIC CALCULATIONS ARE TO BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER. APPROVED SHOP DRAWINGS TO BE SUBMITTED TO LOCAL AIA AND FIRE OFFICIAL.
 - SYSTEM SHALL BE HYDROSTATICALLY TESTED AS REQUIRED BY NFPA.
 - SYSTEM PIPE SIZES ARE TO BE SELECTED TO PREVENT WATER VELOCITY IN ANY PIPE SECTION FROM EXCEEDING 20 FPS.
 - FIRE SPRINKLER SHOP DRAWINGS TO BE COORDINATED WITH ALL OTHER TRADES. PRIORITY SHALL BE GIVEN AT ALL TIMES TO SYSTEMS REQUIRING SLOPE FOR DRAINAGE AND DUCTWORK TOO LARGE TO FIT ABOVE OR BELOW SPRINKLER PIPING WITHIN CEILING CAVITY.
 - PENDANT SPRINKLERS THROUGH CEILING TO BE RECESSED AND LOCATED IN CENTER OF TILE.
 - A FLOW TEST WAS PERFORMED ON 7-9-15 BY TLL. STATIC PRESSURE OF 29 PSI AT HYDRANT ON WEST SIDE OF SCHOOL. FIRE HYDRANT APPROX 650 YARD TO SOUTH OF SCHOOL FLOW RATE OF 530 GPM WITH RESIDUAL OF 10 PSI.



1 GYMNASIUM FIRE SPRINKLER PLAN
1/8" = 1'-0"

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E-mail info@stehpp.com

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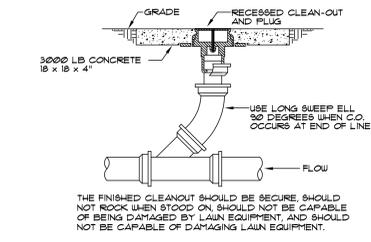
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DATE:	01/08/26
PROJ NO:	25-032
REVISIONS	
#	DESC DATE
FIRE SPRINKLER PLAN	
F101	



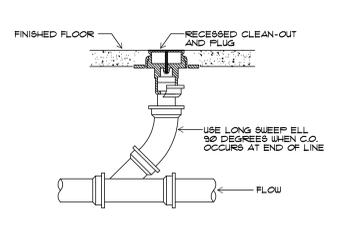
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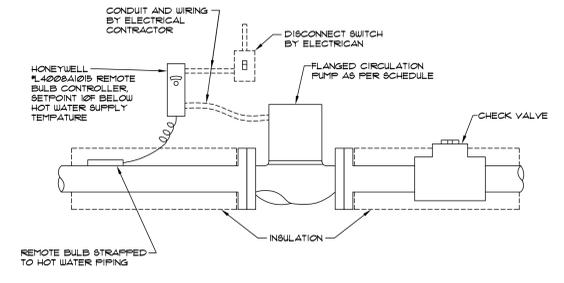
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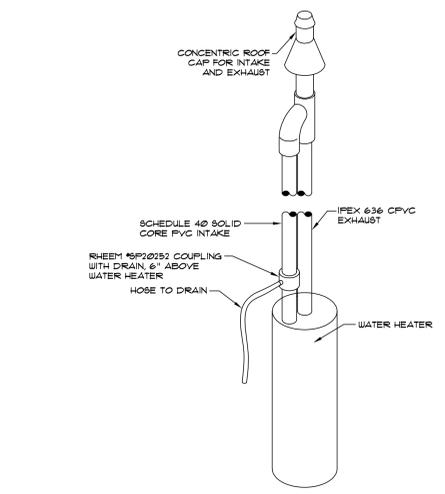
13 GRADE CLEANOUT DETAIL
NOT TO SCALE



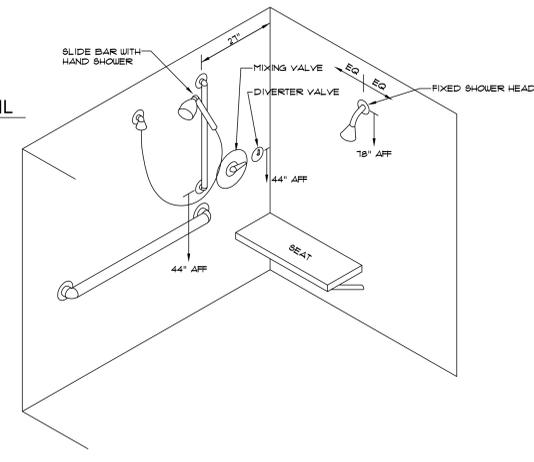
12 FINISHED FLOOR CLEANOUT DETAIL
NOT TO SCALE



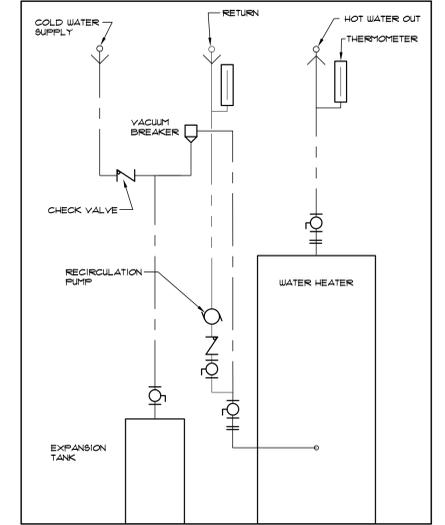
11 RECIRCULATION PUMP DETAIL
NOT TO SCALE



14 CONCENTRIC WATER HEATER VENT DETAIL
NOT TO SCALE



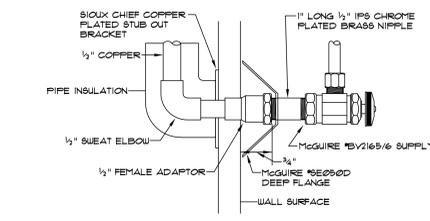
10 ADA ROLL-IN SHOWER DETAIL
NOT TO SCALE



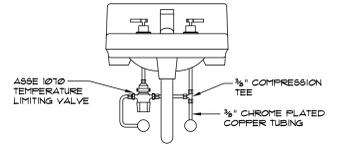
9 WATER HEATER W/ RECIRCULATION PUMP
NOT TO SCALE



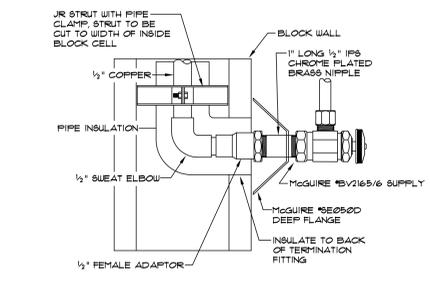
2 PLUMBING LEGEND
NO SCALE



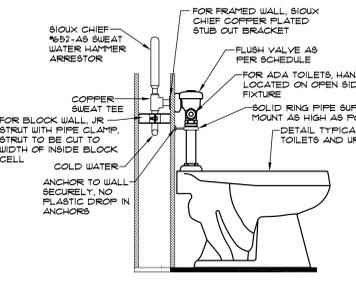
8 STUD WALL SUPPLY DETAIL
NOT TO SCALE



7 LAVATORY MIXING DETAIL
NOT TO SCALE



6 BLOCK WALL SUPPLY DETAIL
NOT TO SCALE



5 FLUSH VALVE DETAIL
NOT TO SCALE

TAG	DESCRIPTION	PRODUCTS
P-1	FV ADA WATER CLOSET	1.6 GALLON PER FLUSH, VITREOUS CHINA, 1-1/2" TOP SPUD, 17-19" SEAT HEIGHT, FLUSH VALVE, SOLID OR SPLIT RING PIPE SUPPORT, OPEN FRONT SEAT LESS COVER
P-2	FV WATER CLOSET	1.6 GALLON PER FLUSH, VITREOUS CHINA, 1-1/2" TOP SPUD, 15-17" SEAT HEIGHT, FLUSH VALVE, SOLID OR SPLIT RING PIPE SUPPORT, OPEN FRONT SEAT LESS COVER
P-3	ADA URINAL	0.5 GALLON PER FLUSH, VITREOUS CHINA, 3/4" TOP SPUD, STAINLESS STRAINER, FLUSH VALVE, SOLID OR SPLIT RING PIPE SUPPORT
P-4	WALL ADA LAVATORY	WALL HUNG ADA LAVATORY, FAUCET, SUPPLIES, GRID DRAIN, P-TRAP, ASSE 1070 TEMPERATURE LIMITING VALVE, TRAP AND SUPPLY INSULATION
P-5	ADA DOUBLE BOWL KITCHEN SINK	ADA DOUBLE BOWL KITCHEN SINK, FAUCET WITH HANDSPRAY, SUPPLIES, BASKET STRAINERS, P-TRAP, 17 GA CONTINUOUS WASTE
P-6	MOP SINK	MOP SINK, FAUCET, WALL GUARDS, HOSE WITH HOSE CLIP
P-7	BOTTLE FILLER	ELKAY HEZWSK, FLUSH WALL MOUNT, 120V, MOUNTING FRAME
P-8	ADA DOUBLE WATER COOLER	DUAL LEVEL WATER COOLER, SUPPLY, P-TRAP, CANE APRON, BOTTLE FILLER
P-9	OUTDOOR DRINKING FOUNTAIN	DUAL LEVEL, BOTTLE FILLER, CANE APRON, SUPPLY, FROST RESISTANT REMOTE VALVE ASSEMBLY
P-10	FLOOR DRAIN	JAY R. SMITH #2005, 6" ROUND TOP, 3" OUTLET, TRAP SEAL INSERT
P-11	SMALL FLOOR SINK	JAY R. SMITH #3100, 8x8", 2" OUTLET, DOME STRAINER, 3/4 RIM AND GRATE
P-12	TRENCH DRAIN	STRIEM #TT-3, 3" OUTLET, LINT SCREEN
P-13	ICE MAKER BOX	GUY GRAY #BIM875, WATER HAMMER ARRESTOR, 6" STAINLESS BRAIDED HOSE
P-14	ADA TILE TRANSFER SHOWER	SHOWER VALVE, HANDSHOWER WITH SLIDE BAR, 2" SHOWER DRAIN 40 GALLON STORAGE CAPACITY, 208/240V, 4500 WATT (3380 W AT 208V), AMTROL #ST-5 EXPANSION TANK, HOLDRITE HQS-5 EXPANSION TANK BRACKET
P-15	40 GALLON ELECTRIC WATER HEATER	RHEEM #RHE100SU-200, 100 GALLON STORAGE CAPACITY, 199 MBH NATURAL GAS INPUT, DIRECT VENT WITH CONCENTRIC WALL CAP, 120V, 7.5 FLA, 97% THERMAL EFFICIENCY, CONDENSATE NEUTRALIZATION, AMTROL #ST-12 EXPANSION TANK, HOLDRITE HQS-12 EXPANSION TANK BRACKET
P-16	100 GALLON GAS WATER HEATER	QUANTUMFLO PRODIGY SERIES, 80 GPM TOTAL AT 31 PSI BOOST, 60 PSI SETPOINT, TWO 1.5 HP PUMPS, 208V/3/60, VARIABLE SPEED, TOUCH SCREEN CONTROLLER
P-17	PRESSURE PUMP	FROST RESISTANT, 8" WALL DEPTH
P-18	FLOOR DRAIN	JAY R. SMITH #2005, 6" ROUND TOP, 3" OUTLET, TRAP SEAL INSERT
P-19	WALL HYDRANT	SCHIEF #88-21, 3" INLET AND OUTLET, RISER EXTENSION
P-20	GREASE TRAP	ADVANCE TABCO #K7-CS-32 SINK, 12x20" BOWLS, 12" LEFT AND RIGHT DRAINBOARDS, 64" OVERALL LENGTH, NSF CERTIFIED, BASKET STRAINERS, T&S #8-0231 FAUCET, SUPPLIES
P-21	3 COMPARTMENT SINK	

4 PLUMBING FIXTURE SCHEDULE
NO SCALE

- Fixture type**
 ADA Flush Valve Water Closet AS #3043.001; Kohler #K-96057; Toto #CT705ELN; Zurn #Z5665-BWL1
 Flush Valve Water Closet AS #2234.015; Kohler #K-96053; Toto #CT705UNX; Zurn #Z5655-BWL1
 Water Closet Flush Valve Sloan Royal #111-1.6-YK; Zurn #Z6000AV-WS1-YK
 Water Closet Supplies McGuire #LZFBV2166; Zurn #Z8802CRQ-PC; BrassCraft #KTR17XC
 Open Front Closet Seat Bemis #16555SCT; Church #95005SCT; ProFlo #PFTSCOFH2000WH; Jones Stephens Corp. #C1085SC00
 ADA Urinal Sloan Royal #186-0.5; Zurn #Z6000AV-EWS-YK
 Urinal Flush Valve Toto #1307.8; AS #0356.015; Kohler #K-2030; Zurn #Z5368
 ADA Wall Hung Lavatory #8 Supply (lav. sink, cooler) McGuire #LZFBV2165; BrassCraft #KTR17XC-PC
 Lavatory Trap McGuire #8872C; Zurn #Z8700-8-PC-8; ProFlo #PFTB400; DB #707BN-1
 Grid Strainer (lavatory) McGuire #155A; Zurn #Z8743-PC; T&S #8-0899; ProFlo #PFGD100; DB #760-1
 Lavatory Faucet T&S #B-2990-WH4; Symmons #S-244-LWG; Chicago #404-317ABCP; Delta #23C354
 ADA Double Bowl Kitchen Sink Elkay #LRAD3322; Just #DL-ADA-2233-A-GR ; Franke #ALBD7506P-1
 Kitchen Sink Faucet w/ spray T&S #B-2730; Kohler #K-15172; AS #4175.701; Chicago #2301-BABCP; Symmons #S-23-2; Delta #400LF-HI
 Kitchen Sink Trap (kitchen sink) McGuire #8912C; Zurn #Z8702-9LC-PC-B; ProFlo #PFTB403;
 Kitchen Sink Trap Fiat #MSB-2424; Swanstone #MS-2424; Zurn #Z-1996-24; Florestone #MSR-2424; ProFlo #PMB2424S
 Mop Sink Kohler #K-83074-4A; T&S #B-0665-B5TR; AS #8344.012; Chicago #887-CP; Delta #2879
 Mop/Utility Sink Faucet Oasis #PGE8P5U; Elkay #ZS18LWSLX; HT #HTB-HAC8BLPV-NF
 Outdoor Drinking Fountain Murdoch #M-08F4-GRD-FRA3; Haws #1119FPF
 ADA Hand Shower Delta #RPV324HDF
 ADA Shower Valve Symmons #4-500-X; Leonard #4500; Delta #T13H103 w/ R10000-UNWS
 Floor Sink JRS; Josam; Zurn; Sioux Chief
 Floor Drain JRS; Josam; Zurn; Sioux Chief
 Wall Hydrant JRS #55090T; Woodford #867; Josam #71000; Zurn #Z-1320
 Expansion Tank *Amtrol #ST; ProFlo #PFXT; Rheem #RRT
 Recirculation Pump Symmons Astro 2205SU; Grundfos #UP15-35 SFC; Taco #003-SC4-1
 Mixing Valve* JRS; Josam; Zurn; Sioux Chief
 Water Heater* Rheem; A O Smith; Lochivar; Raypak; Bradford White

* Type, size, & electrical requirements as per schedule.
Abbreviations:
 AS-American Standard; JRS-Jay R. Smith; T&S-T&S Brass; HT-Halsey Taylor; B&G-Bell & Gossett; EBC-Engineered Brass Company; DB-Dearbon Brass

3 PLUMBING EQUALS SCHEDULE
NO SCALE

- PLUMBING GENERAL NOTES**
 NO SCALE
- LOCATE ROOF PENETRATIONS ON SLOPES OF ROOF AS DIRECTED BY ARCHITECT. IF NO ARCHITECT IS INVOLVED, LOCATE PENETRATIONS AS TO NOT BE VISIBLE FROM PRIMARY ROAD FRONTAGE AND PRIMARY BUILDING ENTRANCE.
 - ALL CONNECTIONS TO OWNER SUPPLIED FIXTURES SUCH AS REFRIGERATORS, ICE MACHINES, ETC. TO BE MADE WITH SOFT COPPER.
 - WATER HEATER OUTLET TEMPERATURE TO BE 140°F. ASSE 1070 MIXING VALVE OUTLET TEMPERATURE TO BE 110°F.
 - ALL WATER PIPING TO BE TYPE L COPPER WITH NO LEAD SOLDERED OR FRO PRESS FITTINGS.
 - BELOW SLAB WASTE PIPING TO BE CONTINUOUSLY SUPPORTED ON UNDISTURBED OR MECHANICALLY CORRECTED SOIL.
 - ALL DRAINAGE, WASTE, AND VENT PIPING TO BE SCHEDULE 40 SOLID CORE PVC.
 - SANITARY VENTS THROUGH ROOF TO BE LOCATED A MINIMUM OF 10' FROM HVAC AIR INTAKES. COORDINATE LOCATIONS WITH HVAC CONTRACTOR.
 - HOT WATER PIPING ABOVE SLAB TO BE INSULATED WITH 1" FIBERGLASS WITH ALL SERVICE JACKET.
 - PLASTIC DROP IN ANCHORS ARE NOT ACCEPTABLE FOR SUPPORTING ANYTHING, ANYWHERE, NOT FOR SUPPORTING PIPES, FIXTURES, OR ANYTHING ELSE.
 - HOT AND COLD WATER PIPING TO BE LABELED WHERE CONCEALED ABOVE SUSPENDED CEILINGS AND IN MECHANICAL ROOMS. LABELS TO HAVE TEXT HEIGHT NOT LESS THAN 1/2" AND SHALL INDICATE FLOW FLUID TYPE AND DIRECTION OF FLOW. LABELS MAY BE SNAP AROUND OR SELF ADHESIVE. SELF ADHESIVE LABELS TO INCLUDE BANDING TAPE ON EACH END OF LABEL UNWRAPPED FULL CIRCUMFERENCE OF PIPE AND OVERLAPPING LABEL BY 1/2" ON BOTH ENDS. FLOW DIRECTION MAY BE INDICATED ON LABEL OR BANDING TAPE. LABELING TO OCCUR IN EVERY ROOM BUT NO LESS THAN 20' ON CENTER.
 - WATER HEATERS 9-120 GALLONS AND LESS THAN 200 MBH INSTALLED IN ALL PUBLIC BUILDINGS WHETHER CITY, COUNTY, OR STATE OWNED, INCLUDING ALL SCHOOLS, UNIVERSITIES, LIBRARIES, COMMUNITY CENTERS, ETC. WILL REQUIRE A STATE OF ALABAMA BOILER TAG. PLUMBING CONTRACTOR MUST REQUEST TAG FROM THE STATE OF ALABAMA AND PERMANENTLY AFFIX IT TO THE WATER HEATER. ALL STATE FREE FOR INSPECTION AND CERTIFICATION ARE TO BE PAID BY PLUMBER. INSTALLATION PERMIT AND ASME STAMP ARE NOT REQUIRED. WATER HEATERS GREATER THAN 120 GALLONS OR 200 MBH REQUIRE STANDARD ALABAMA BOILER PERMITTING AND ASME STAMP.

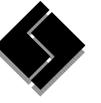
1 PLUMBING GENERAL NOTES
NO SCALE

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 PROJ NO: 25-032

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PLUMBING DETAILS, DIAGRAMS, & SCHEDULES

P001

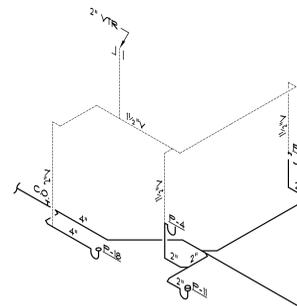


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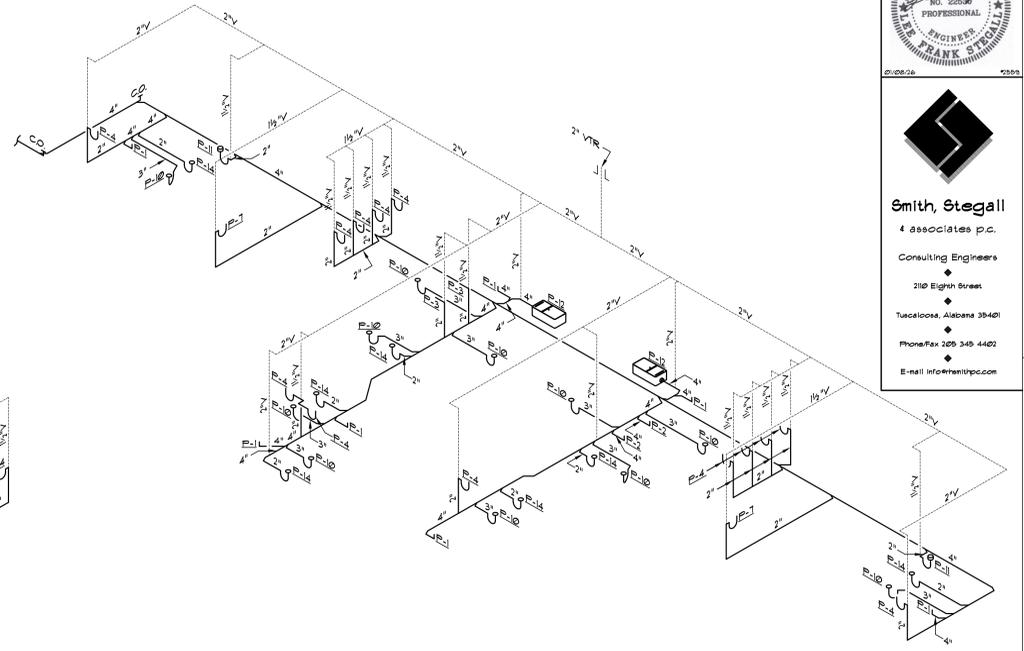
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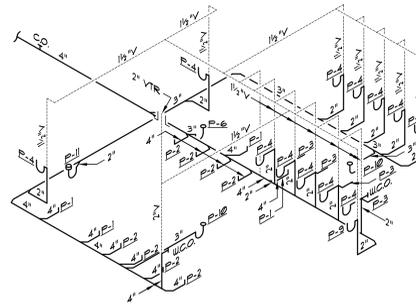
5 WEST GYMNASIUM SANITARY RISER
NOT TO SCALE



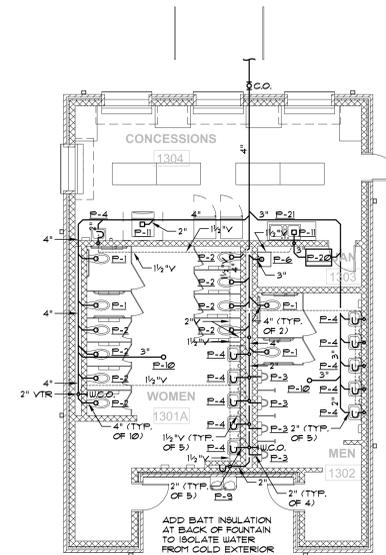
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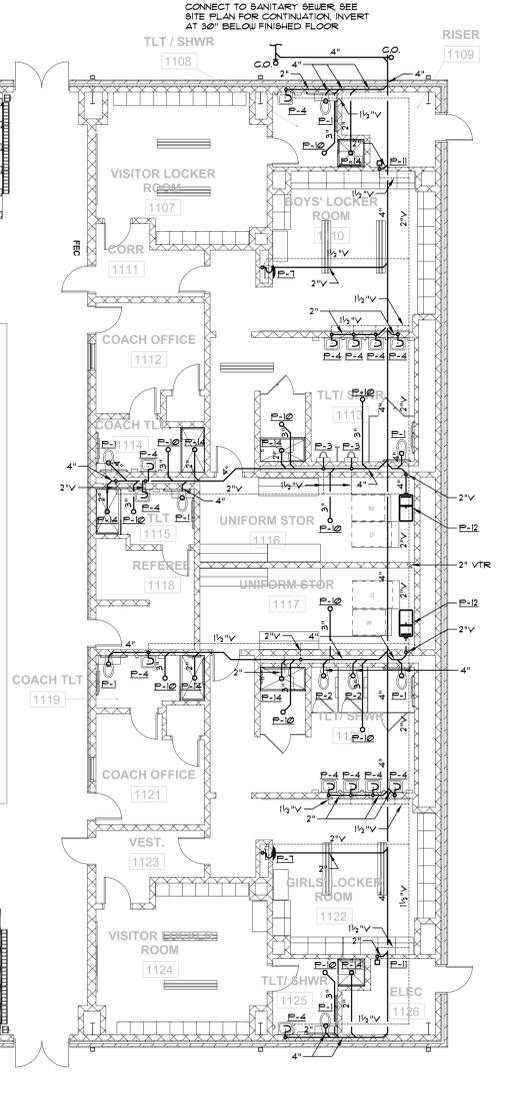
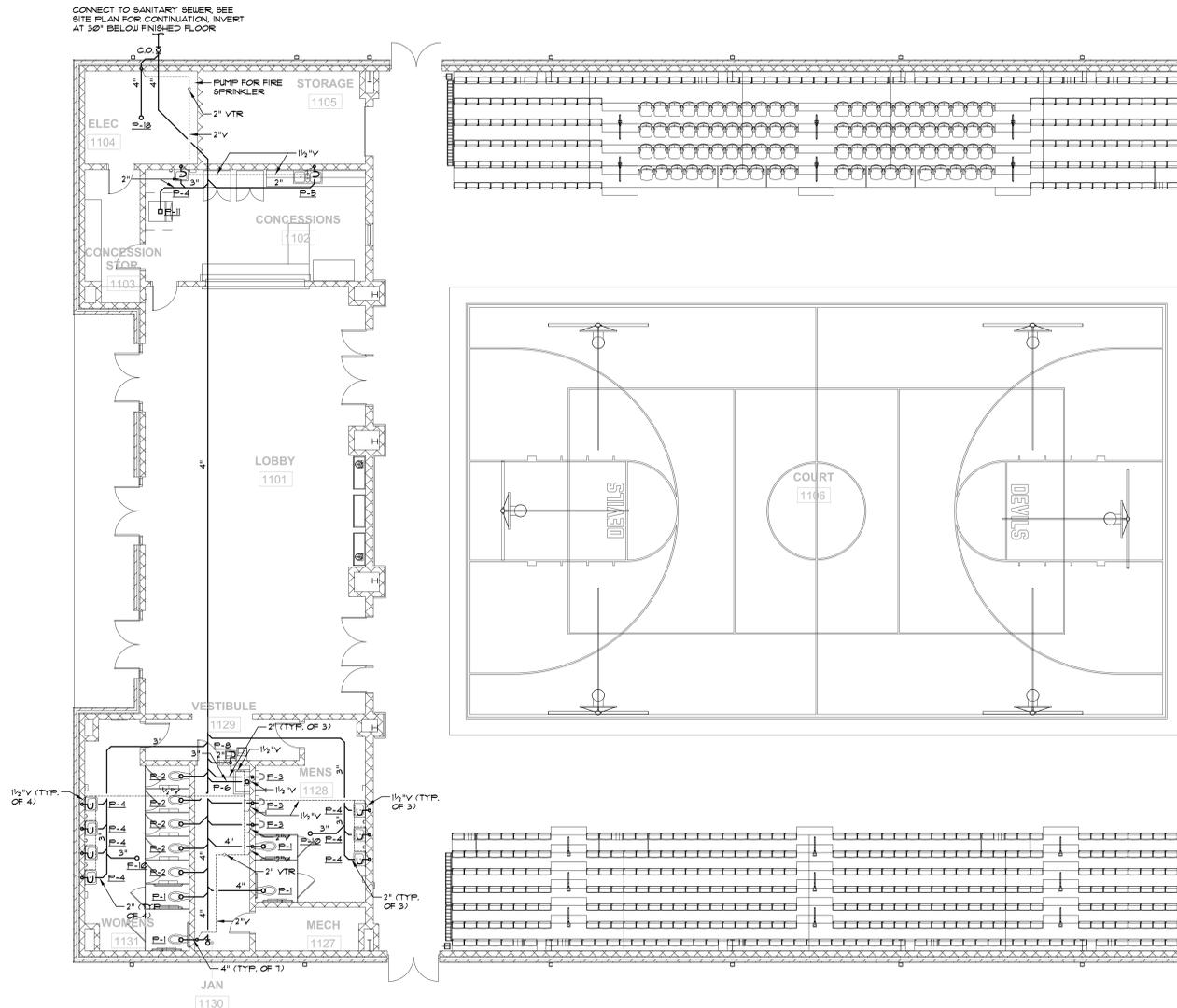
3 RESTROOM & CONCESSIONS SANITARY RISER
NOT TO SCALE



2 RESTROOM & CONCESSIONS SANITARY PLAN
1/8" = 1'-0"



1 GYMNASIUM SANITARY PLAN
1/8" = 1'-0"



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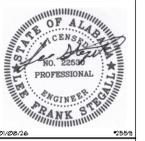
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SANITARY PLAN

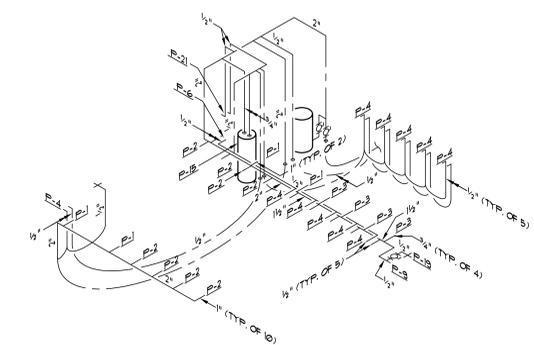
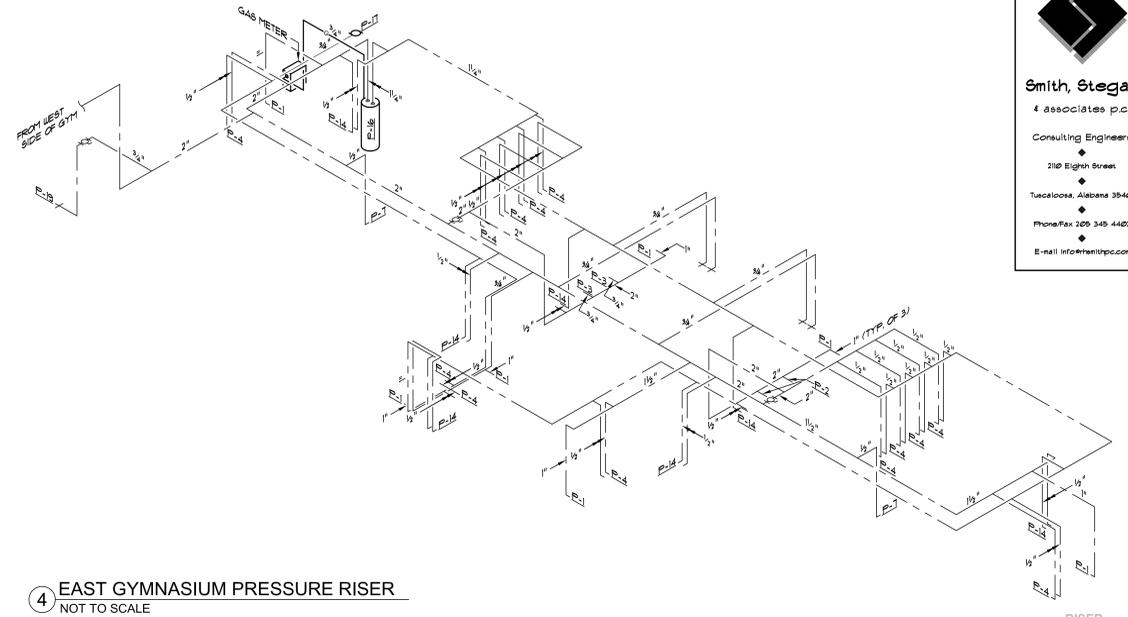
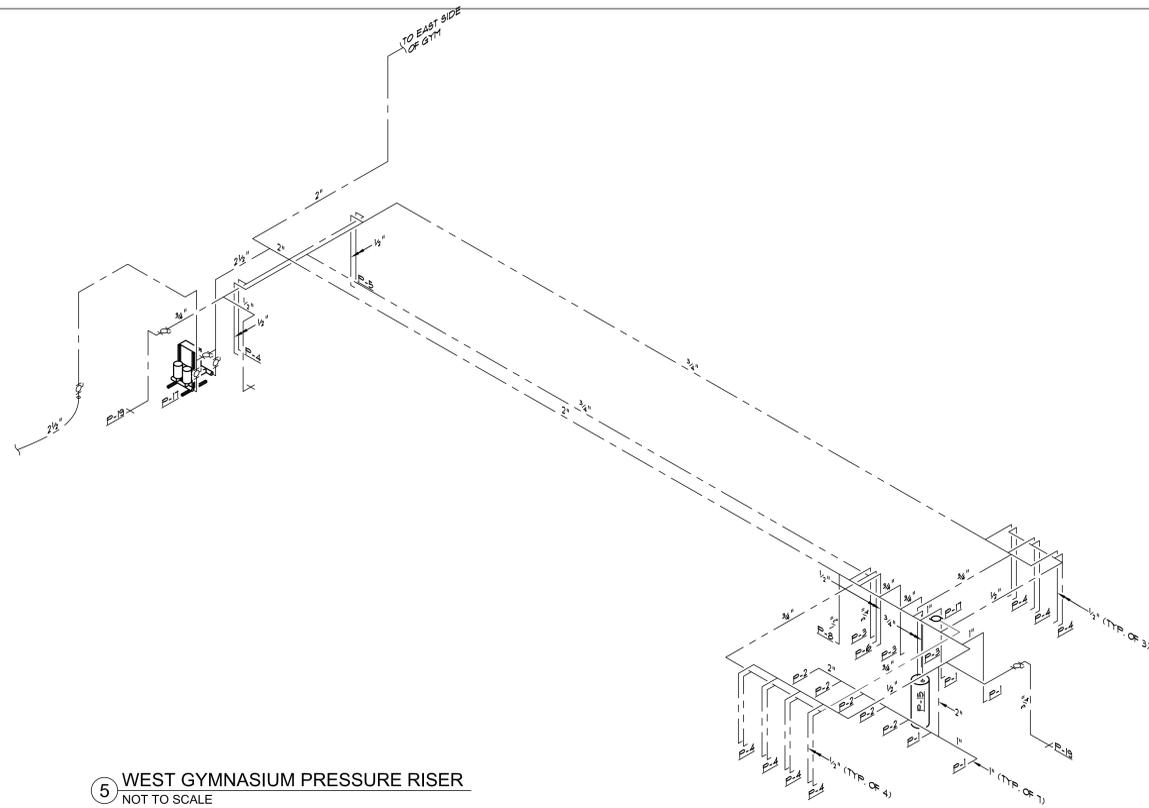
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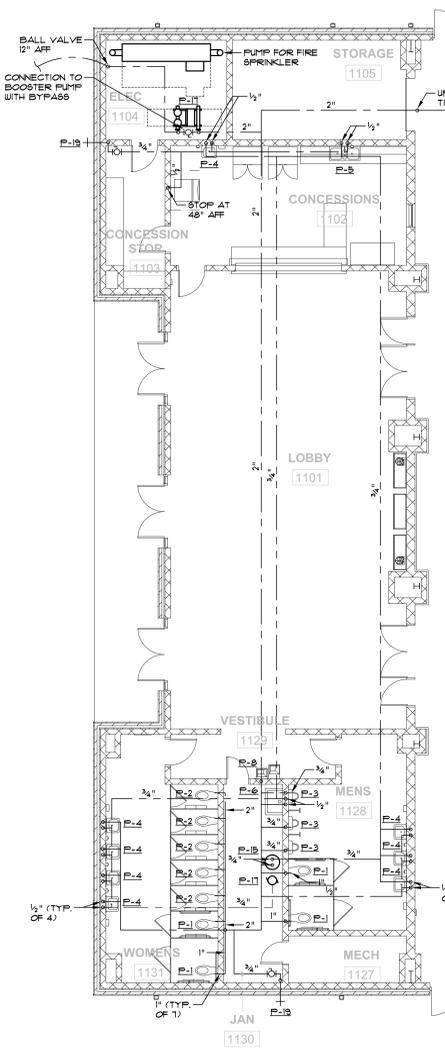
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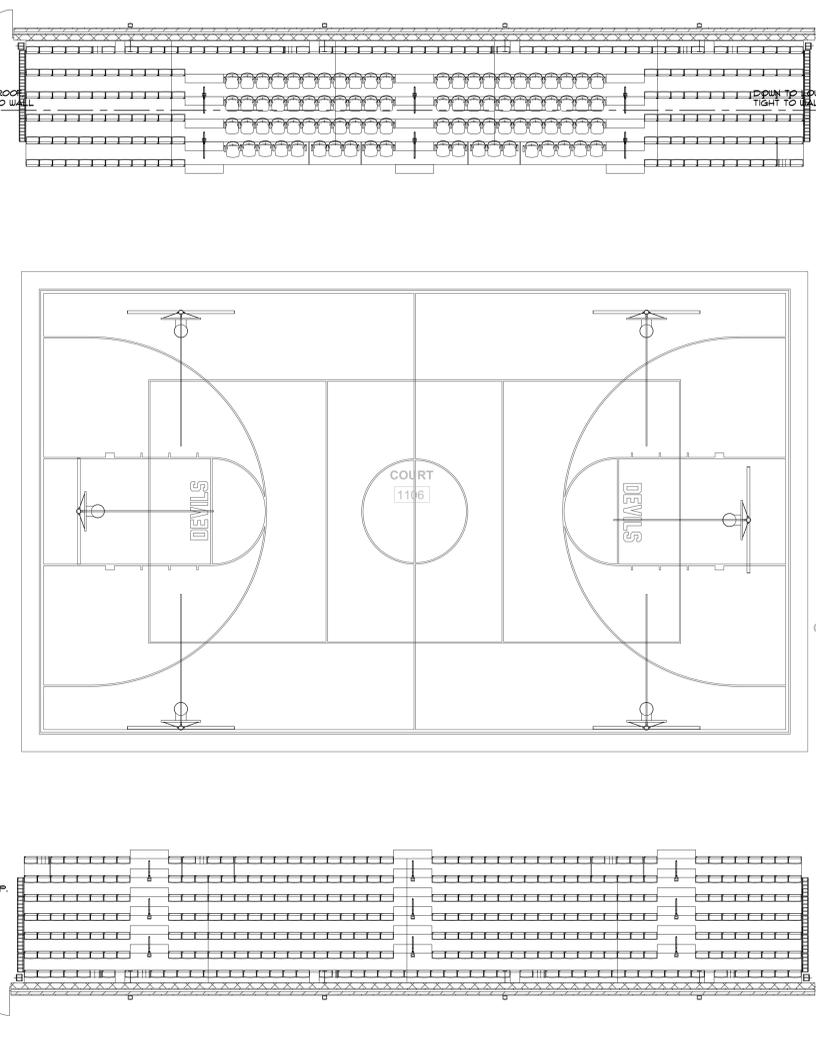
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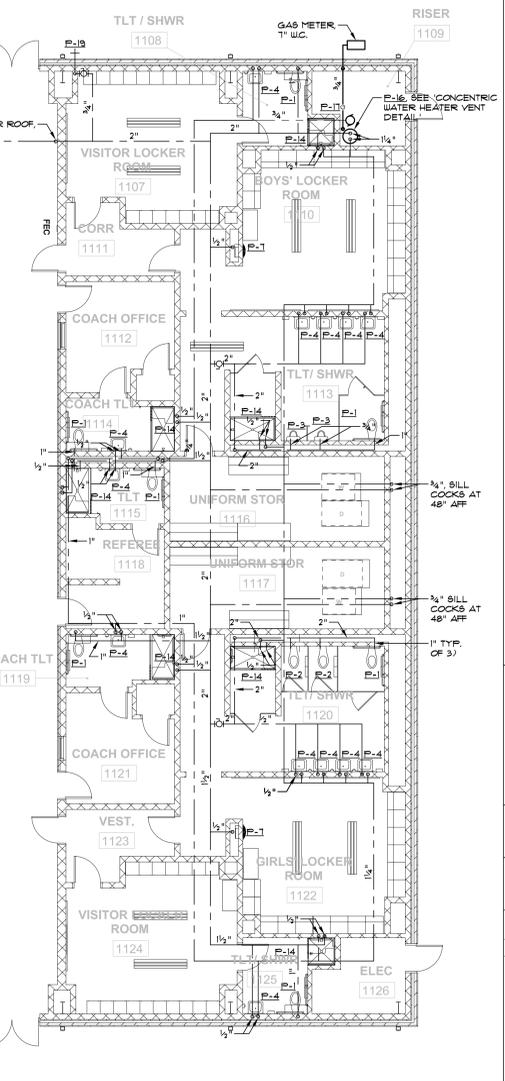
3 RESTROOM & CONCESSIONS PRESSURE RISER
NOT TO SCALE



1 GYMNASIUM PRESSURE PLAN
1/4" = 1'-0"



2 RESTROOM & CONCESSIONS PRESSURE PLAN
1/4" = 1'-0"



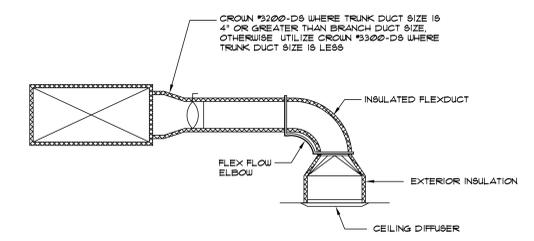
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PRESSURE PLAN		
P201		

- WHERE ACCESSIBLE CEILINGS ARE INSTALLED, ROUND BRANCH DUCTS 6'-0" AND LESS IN LENGTH TO BE INSTALLED WITH FLEXIBLE ROUND DUCT AS PER SPECIFICATIONS. BRANCH DUCTS GREATER THAN 6'-0" IN LENGTH ARE TO BE INSTALLED WITH ROUND RIGID DUCT TO WITHIN 5'-0" OF TERMINATION WITH FLEXIBLE DUCT CONNECTION NOT EXCEEDING 5'-0" IN LENGTH.
- VERIFY CEILING CONSTRUCTION PRIOR TO ORDERING DIFFUSERS. LOCATE DIFFUSERS AS PER ARCHITECTURAL REFLECTED CEILING PLAN.
- REFRIGERANT PIPE SIZES TO BE AS RECOMMENDED BY MANUFACTURER.
- BUILDINGS WITH SLOPED ROOFS TO BE INSTALLED IN SUCH A MANNER SO THAT ALL ROOF PENETRATIONS OCCUR ON SLOPE OF ROOF CORROSE FROM PRIMARY ROADS, ENTRANCES, ETC. INCLUDE OFFSETS, DUCTWORK, VENT PIPING, ETC. AS REQUIRED. ITEMS LOCATED ON FRONT ROOF SLOPES TO BE RELOCATED AT CONTRACTOR'S EXPENSE INCLUDING ROOFING REPAIRS.
- EQUIPMENT INSTALLED ABOVE ACCESSIBLE CEILING TO BE WITHIN 24" OF THE TOP OF THE CEILING GRID.
- CONVENTIONAL EQUIPMENT AS MANUFACTURED BY TRANE, CARRIER BRYANT, DAIKIN, OR RHEEM ACCEPTABLE SUBJECT TO PLANS AND SPECIFICATIONS.
- MINI SPLIT OR VARIABLE REFRIGERANT EQUIPMENT AS MANUFACTURED BY TRANE, MITSUBISHI, FUJITSU, CARRIER-TOSHIBA, AND DAIKIN ACCEPTABLE SUBJECT TO PLANS AND SPECIFICATIONS.
- ENERGY RECOVERY VENTILATOR EQUIPMENT AS MANUFACTURED BY GREENHECK, BEICO, LOREN COOK, AND TRANE ACCEPTABLE SUBJECT TO PLANS AND SPECIFICATIONS.
- BI-POLAR IONIZATION EQUIPMENT AS MANUFACTURED BY GLOBAL PLASMA SOLUTIONS, PHENOMENAL AIRE, AND BIOCLIMATE ACCEPTABLE SUBJECT TO PLANS AND SPECIFICATIONS.
- WALL RETURN GRILLES INSTALLED BELOW EYE LEVEL ARE TO BE INSTALLED WITH BLADES TURNED DOWN. ABOVE EYE LEVEL BLADES ARE TO BE TURNED UP.
- CONDENSATE COLLECTION SYSTEM ABOVE CEILING AND IN WALLS TO BE CONSTRUCTED OF COPPER, INDIVIDUAL BRANCH PIPING TO FAN COILS TO BE 3/4" AND ALL MAINS TO BE 1 1/2" INSULATE AS PER SPECIFICATIONS. PIPING EXPOSED IN MECHANICAL ROOMS AND ON EXTERIOR TO BE COPPER.
- ALL CONDENSER COILS TO INCLUDE HAIL GUARDS.
- ALL EQUIPMENT EXCEPT FAN COILS TO BE LABELED WITH ENGRAVED PLASTIC LAMINATE TAGS INDICATING UNIT NAME OR NUMBER MATCHING PLAN LABELS. FAN COILS TO BE LABELED WITH PERMANENT BLACK MARKER ABOVE CEILING LEVEL.
- ENERGY RECOVERY VENTILATORS TO BE PROVIDED WITH MANUFACTURER'S STARTUP OPERATION AND END OF YEAR SERVICE OF SYSTEM TO VERIFY PROPER OPERATION AND CORRECT ANY FOUND DEFICIENCIES.

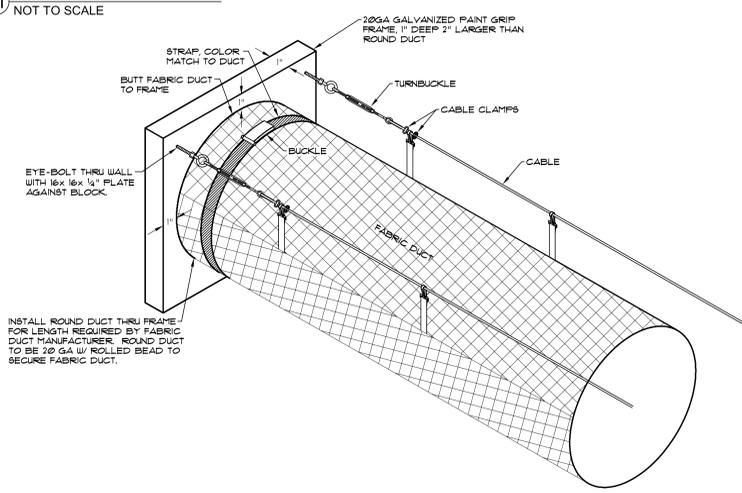
- CONTROL SYSTEM TO BE PROVIDED WITH FULL COMMISSIONING BY LICENSED COMMISSIONING AGENT. AGENT TO VERIFY SYSTEM OPERATION AND CORRECT PROGRAMMING. CONTROL COMMISSIONING AGENT WILL NOT BE A SUBCONTRACTOR OF THE HVAC CONTRACTOR BUT WILL BE EMPLOYED BY THE OWNER. HVAC AND CONTROL CONTRACTOR SHALL PROVIDE DOCUMENTATION, ASSISTANCE, AND COORDINATION WITH COMMISSIONING AGENT.
- VARIABLE REFRIGERANT EQUIPMENT TO BE INSTALLED BY CONTRACTOR TRAINED BY THE MANUFACTURER IN THE INSTALLATION AND SERVICE OF THE EQUIPMENT SUBMITTED. EQUIPMENT SUBMITTAL TO INCLUDE ALL REFRIGERANT PIPE SIZES AND REQUIREMENTS, CONTROL WIRING DIAGRAMS, AND INSTALLATION REQUIREMENTS AND DIAGRAMS. MANUFACTURER TO COVER SYSTEM STARTUP, COMMISSIONING SYSTEM, AND PROVIDE AN END OF YEAR SERVICE OF SYSTEM TO VERIFY PROPER OPERATION AND CORRECT ANY FOUND DEFICIENCIES.
- NO EQUIPMENT SHALL BE OPERATED WHILE BUILDING IS UNDER CONSTRUCTION AND DUST AND DIRT ARE PRESENT FROM CONSTRUCTION ACTIVITIES. ALL FINAL WALL COATINGS AND FLOOR FINISHES ARE TO BE INSTALLED AND ROOF SHALL BE BROOM CLEAN BEFORE OPERATION IS ALLOWED. APPROVAL OF ARCHITECT OR ENGINEER IS REQUIRED IN ANY AREA PRIOR TO OPERATION OF HVAC EQUIPMENT. CONTRACTOR SHALL ANTICIPATE OPERATION OF EQUIPMENT PRIOR TO SUBSTANTIAL COMPLETION AS DIRECTED BY GENERAL CONTRACTOR OR PROJECT MANAGER. OPERATION SHALL BE UTILIZED TO MAINTAIN SPACE CONDITIONS AS REQUIRED FOR ACoustICAL CEILING AND MILLWORK. MAINTAIN TEMPORARY FILTERS SECURED TO RETURN GRILLES. TEMPORARY FILTRATION TO BE EQUAL TO AMERICAN AIR FILTER FRONTLINE BLUE IN 1" THICKNESS. SEAL EDGES WITH BLUE PAINTERS TAPE TO NEAREST 1/8" BAR. INSTALL OFFICE SUPPLY TYPE BINDER CLIPS TO SECURE FILTRATION AT 12" OC WITH A MINIMUM OF TWO PER SIDE.
- DUCTWORK AND EQUIPMENT TO BE MAINTAINED IN CLEAN AND DRY CONDITION AT ALL TIMES DURING CONSTRUCTION. SEAL ENDS OF DUCTWORK WITH PLASTIC SECURED TIGHT AND COVER DUCTWORK NOT INSTALLED OR WHERE INSTALLED AND ROOF IS NOT WATER-TIGHT. FAN COILS RETURN GRILLES, SUPPLY GRILLES, AND OTHER DUCT OPENINGS TO BE SEALED WITH PLASTIC UNTIL OPERATION IS APPROVED AS INDICATED ABOVE.
- EQUIPMENT TO BE FURNISHED WITH A MINIMUM OF ONE YEAR FACTORY WARRANTY FROM SCHEDULED SUBSTANTIAL COMPLETION. EQUIPMENT IN WHICH WARRANTY BEGINS AT SHIPMENT OR STARTUP TO BE FURNISHED WITH EXTENDED WARRANTIES AS REQUIRED TO MAINTAIN FACTORY WARRANTY. PROJECT SCHEDULE AND CONSTRUCTION TIME SHOULD BE KNOWN AT BID AND UTILIZED FOR WARRANTY PROUREMENT.
- SUBSTANTIAL COMPLETION OF PROJECT SHALL NOT BE ALLOWED WITHOUT COMPLETED AND APPROVED TEST AND BALANCE REPORT. SYSTEMS SHOULD BE BALANCED TO 5% BELOW TO 10% ABOVE DESIGN FOR EACH SYSTEM AND TERMINAL.
- WHERE REFRIGERANT PIPING IS INSTALLED VERTICALLY ON THE EXTERIOR OF A BUILDING ABOVE THE HEIGHT OF THE EQUIPMENT, IT IS TO BE CONCEALED WITH PREFINISHED METAL SHEATH, COLOR AS PER ARCHITECT.
- REFRIGERANT PIPING CONTAINING ALL REFRIGERANTS ARE TO BE LABELED AS REQUIRED BY IMC. LABELS TO BE IN EVERY ROOM WITH REFRIGERANT PIPING AND NOT EXCEEDING 20' ON CENTER. LABEL TO INCLUDE REFRIGERANT DESIGNATION, SAFETY GROUP CLASSIFICATION, AND 1 WARNING-10% OF FIRE-FLAMMABLE REFRIGERANT LABELS TO BE SNAP AROUND STYLE.

7 HVAC GENERAL NOTES
NO SCALE

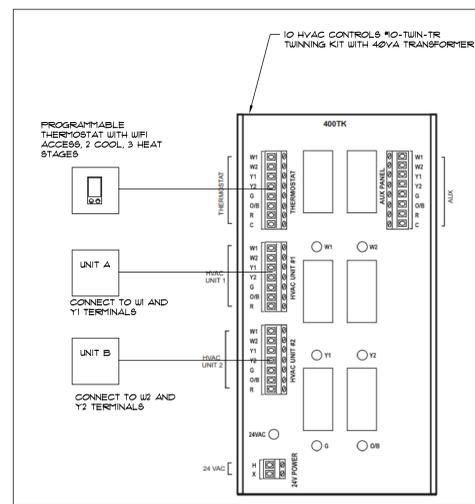
11 BRANCH DUCT DETAIL
NOT TO SCALE



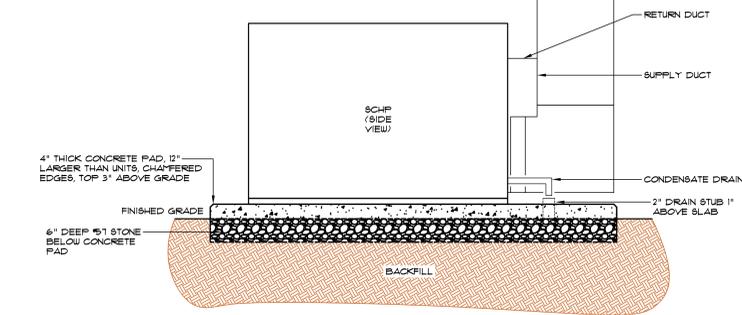
10 FABRIC DUCT DETAIL
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9 SCHP#1 & 2 CONTROL DETAIL
NOT TO SCALE

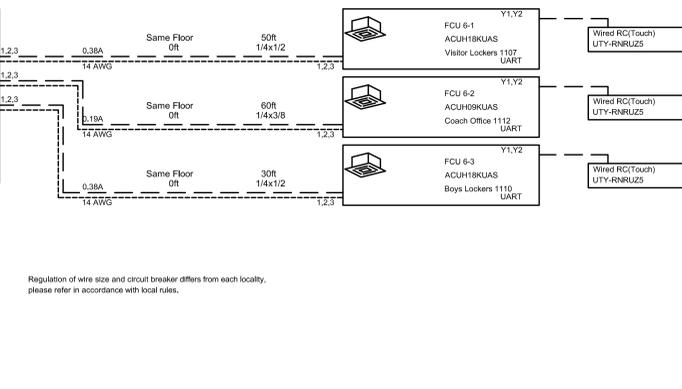
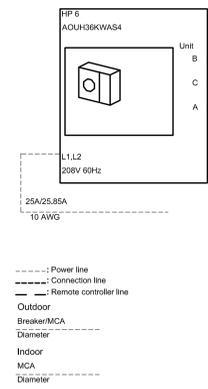


8 DRYWELL DETAIL
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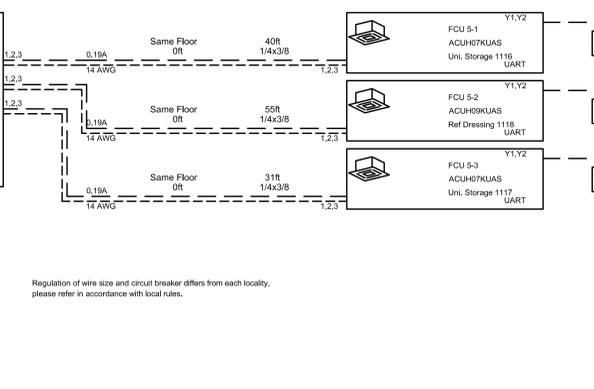
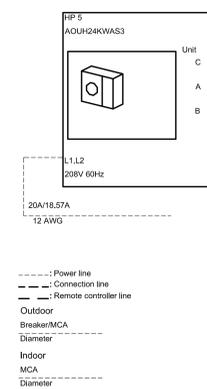


HP #1	HEAT PUMP, FUJITSU *AQUH24KUA81, 2.0 TON NOMINAL CAPACITY, 23.1 SEER2, 3.6 COP, 208V/1/60, 5.9 MCA, 20 MOP
FCU #1-1	FAN COIL UNIT, FUJITSU *AUH18KUA5, CASSETTE, 1.0 TON NOMINAL CAPACITY, 6.71 CFM, POWERED FROM OUTDOOR UNIT, PROGRAMMABLE THERMOSTAT
HP #2	HEAT PUMP, TRANE *5TRU8036A1, 3.0 TON NOMINAL CAPACITY, 15 SEER, 2.0V/1/60, 18 MCA, 30 MOP
FCU #2-1	FAN COIL UNIT, TRANE *5TAM8004A3, MULTI-POSITION - UPFLOW, 3.0 TON NOMINAL CAPACITY, 1200 CFM AT 0.5" ESP, 208V/1/60, 5 KW ELECTRIC HEATER, 26 MCA, 30 MOP, PROGRAMMABLE THERMOSTAT, INTERNAL FILTER RACK
HP #3	HEAT PUMP, TRANE *5TRU8060A1, 5.0 TON NOMINAL CAPACITY, 15 SEER, 2.0V/1/60, 33 MCA, 30 MOP
FCU #3-1	FAN COIL UNIT, TRANE *5TAM8007A3, MULTI-POSITION - UPFLOW, 5.0 TON NOMINAL CAPACITY, 2000 CFM AT 0.5" ESP, 208V/1/60, 5 KW ELECTRIC HEATER, 30 MCA, 30 MOP, PROGRAMMABLE THERMOSTAT, INTERNAL FILTER RACK
HP #4, 6	HEAT PUMP, FUJITSU *AQUH36KUA4, 3.0 TON NOMINAL CAPACITY, 22 SEER2, 4.0 COP, 208V/1/60, 24.9 MCA, 15 MOP
FCU #4-1, 4-2, 6-1, 6-2	FAN COIL UNIT, FUJITSU *AQUH8KUA5, COMPACT CASSETTE, 1.5 TON NOMINAL CAPACITY, POWERED FROM OUTDOOR UNIT, PROGRAMMABLE THERMOSTAT
FCU #4-3, 6-2	FAN COIL UNIT, FUJITSU *AQUH9KUA5, COMPACT CASSETTE, 0.75 TON NOMINAL CAPACITY, POWERED FROM OUTDOOR UNIT, PROGRAMMABLE THERMOSTAT
HP #5	HEAT PUMP, FUJITSU *AQUH24KUA83, 2.0 TON NOMINAL CAPACITY, 23 SEER2, 4.6 COP, 208V/1/60, 18 MCA, 20 MOP
FCU #5-1	FAN COIL UNIT, FUJITSU *AQUH8KUA5, COMPACT CASSETTE, 0.75 TON NOMINAL CAPACITY, POWERED FROM OUTDOOR UNIT, PROGRAMMABLE THERMOSTAT
FCU #5-1.5-3	FAN COIL UNIT, FUJITSU *AQUH9KUA5, COMPACT CASSETTE, 0.5 TON NOMINAL CAPACITY, POWERED FROM OUTDOOR UNIT, PROGRAMMABLE THERMOSTAT
HP #1	HEAT PUMP, FUJITSU *AQUH36KUA4, 3.0 TON NOMINAL CAPACITY, 23 SEER2, 4.6 COP, 208V/1/60, 18 MCA, 20 MOP
FCU #1-1, 1-2	FAN COIL UNIT, FUJITSU *AQUH8KUA5, WALL MOUNT, 1.0 TON NOMINAL CAPACITY, 412 CFM, POWERED FROM OUTDOOR UNIT, PROGRAMMABLE THERMOSTAT
HP #3	HEAT PUMP, FUJITSU *AQUH36KUA4, 3.0 TON NOMINAL CAPACITY, 22 SEER2, 4.0 COP, 208V/1/60, 24.9 MCA, 15 MOP
FCU #3-1, 3-2	FAN COIL UNIT, FUJITSU *AQUH8KUA5, WALL MOUNT, 1.5 TON NOMINAL CAPACITY, 571 CFM, POWERED FROM OUTDOOR UNIT, PROGRAMMABLE THERMOSTAT
SCHP #1	SELF-CONTAINED HEAT PUMP, TRANE *N8K240A3, 2.0 TON NOMINAL CAPACITY, MULTIPLE STAGE OPERATION, 12.8 SEER, 3.2 COP, 8000 CFM AT 0.4" ESP, MULTI SPEED FAN, 2.5 HP FAN MOTOR, 3.6 KW ELECTRIC HEAT, 208V/2/60, 202 MCA, 225 MOP, HORIZONTAL DUCT CONNECTIONS, INTERNAL FILTER RACK, HINGED ACCESS, MOTORIZED OUTSIDE AIR DAMPER, HAIL GUARDS, REHEAT
SCHP #2	SELF-CONTAINED HEAT PUMP, TRANE *N8K240A3, 2.0 TON NOMINAL CAPACITY, MULTIPLE STAGE OPERATION, 12.8 SEER, 3.2 COP, 8000 CFM AT 0.4" ESP, MULTI SPEED FAN, 2.5 HP FAN MOTOR, 3.6 KW ELECTRIC HEAT, 208V/2/60, 202 MCA, 225 MOP, HORIZONTAL DUCT CONNECTIONS, INTERNAL FILTER RACK, HINGED ACCESS, MOTORIZED OUTSIDE AIR DAMPER, HAIL GUARDS, REHEAT
ERV	ENERGY RECOVERY VENTILATOR, GREENHECK *ERV9-35-30L, 2100 CFM SUPPLY AT 0.5" ESP, 2340 CFM EXHAUST AT 0.5" ESP, 3 HP SUPPLY AND EXHAUST MOTORS, 95.7/95.0 CAT, 12/60F EXHAUST, 18/66.3F LAT, END DUCT CONNECTIONS, 208V/1/60, 24.4 MCA, 30 MOP, BRACE MOUNTED CO2 SENSOR, OUTDOOR AIR AND RETURN AIR DAMPERS, DISCONNECT SWITCH
CDL	CEILING DIFFUSER, TITUS *TDC, 91Z AS PER PLAN, WHITE FINISH, LAY-IN BORDER, ROUND NECK
CD	CEILING DIFFUSER, TITUS *TMS, 91Z AS PER PLAN, WHITE FINISH, LAY-IN BORDER, ROUND NECK
CSG	CEILING RETURN GRILLE, TITUS *55OR, 91Z AS PER PLAN, WHITE FINISH, LAY-IN BORDER
EF #	EXHAUST FAN, GREENHECK *EP-B10, 10 CFM AT 0.125" SP, 1.0 SONE, 120V, WHITE GRILLE, ROUND DUCT CONNECTION
EF #	EXHAUST FAN, GREENHECK *EP-A10, 120 CFM AT 0.1" SP, 1.0 SONE, 120V, WHITE GRILLE, ROUND DUCT CONNECTION
EF #	EXHAUST FAN, GREENHECK *EP-B30, 185 CFM AT 0.1" SP, 1.0 SONE, 120V, WHITE GRILLE, ROUND DUCT CONNECTION
EF #	EXHAUST FAN, GREENHECK *EP-B200, 180 CFM AT 0.125" SP, 1.0 SONE, 120V, WHITE GRILLE, ROUND DUCT CONNECTION
EF #	EXHAUST FAN, GREENHECK *EP-A250, 210 CFM AT 0.125" SP, 1.0 SONE, 120V, WHITE GRILLE, ROUND DUCT CONNECTION (FN: RDC-B)
EF #	EXHAUST FAN, GREENHECK *EP-A350, 350 CFM AT 0.125" SP, 1.0 SONE, 120V, WHITE GRILLE, ROUND DUCT CONNECTION (FN: RDC-B)
EF #	EXHAUST FAN, GREENHECK *EP-A510-VG, 420 CFM AT 0.125" SP, 1.0 SONE, 120V, WHITE GRILLE, ROUND DUCT CONNECTION (FN: RDC-B)
EF #	EXHAUST FAN, GREENHECK *EP-A810-VG, 480 CFM AT 0.125" SP, 1.0 SONE, 120V, WHITE GRILLE, ROUND DUCT CONNECTION (FN: RDC-B)
EF #	EXHAUST FAN, GREENHECK *EP-A100, 100 CFM AT 0.2" SP, 1.0 SONE, 120V, WHITE GRILLE
LL	WALL LOUVER, GREENHECK *EDD-401, 91Z AS PER PLAN, KYNAR FINISH, COLOR AS PER ARCHITECT, CHANNEL FRAME CONSTRUCTION, BIRD SCREEN
WSG	WALL RETURN GRILLE, TITUS *93R, 91Z AS PER PLAN, WHITE FINISH, SURFACE MOUNT, BLADES PARALLEL TO FLOOR
SWR	SIDE WALL REGISTER, TITUS *90ORS-HD, 91Z AS PER PLAN, WHITE FINISH, SURFACE MOUNT
FABRIC DUCT	FABRIC DUCT, DUCTSIX *MEDONA-X1, ROUND, 2 ROW CABLE SUSPENSION, THRU DIRECTION AS PER PLAN, LINEAR VENTS 91Z, 30" ADJUSTABLE FLOW DEVICE, COLOR AS PER ARCHITECT
IE	INLINE FAN, 3" ROUND INLET AND OUTLET, 15 CFM SUPPLY, 120V
CH	CEILING HEATER, MARKEL *E3385D-RP-T, 15 KW, 120V/1/60, DISCONNECT SWITCH, INTEGRAL THERMOSTAT
BRH	BI-POLAR IONIZATION, GLOBAL PLASMA SOLUTIONS *PM-2, RATED FOR 2400 CFM, NEGLIGIBLE OZONE PRODUCTION, 24-240V, DUCT MOUNTING, SELF CLEANING
BRW	BI-POLAR IONIZATION, GLOBAL PLASMA SOLUTIONS *PM-48-AC, RATED FOR 4800 CFM, 24-240V, DUCT MOUNTING, SELF CLEANING

5 HP #6 SCHEMATIC
NO SCALE

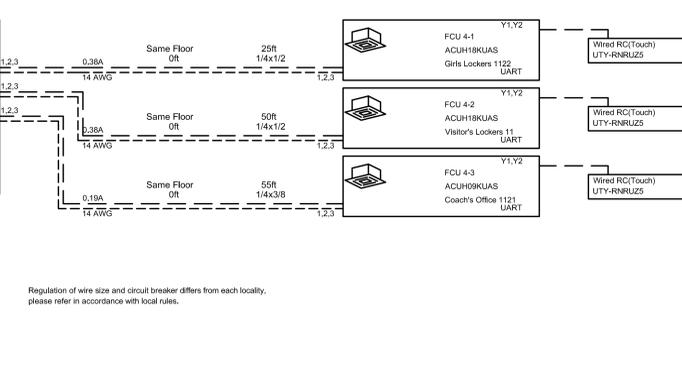


4 HP #5 SCHEMATIC
NO SCALE

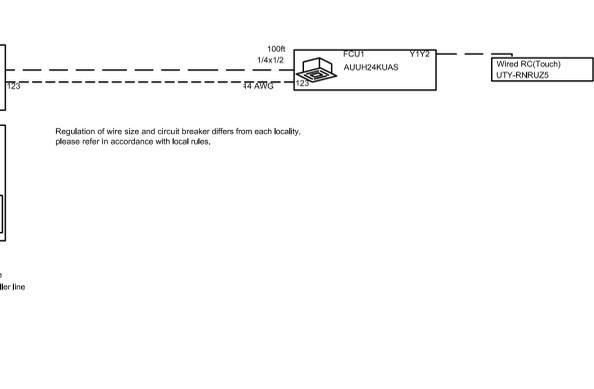


6 HVAC EQUIPMENT SCHEDULE
NO SCALE

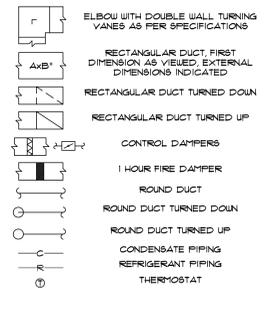
3 HP #4 SCHEMATIC
NO SCALE



2 HP #1 SCHEMATIC
NO SCALE



1 HVAC LEGEND
NO SCALE



Smith, Stegall
4 associates p.c.
Consulting Engineers
2108 Eighth Street
Tuscaloosa, Alabama 35401
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E-mail: info@smithstegall.com

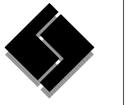
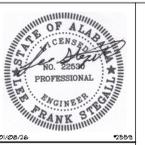
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CHILTON COUNTY BOARD OF EDUCATION
202 COUNTY ROAD 510, VERBENA, AL 36091

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DATE: 01/08/26
PROJ NO: 25-032

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HVAC DETAILS, DIAGRAMS, & SCHEDULES
M001



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CHILTON COUNTY BOARD OF EDUCATION
202 COUNTY ROAD 510, VERBENA, AL 36091

COMcheck Software Version 4.1.5.1 Mechanical Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: 2559 - Verbena HS Restrooms & Concessions
Location: Tuscaloosa, Alabama
Climate Zone: 3a
Project Type: New Construction

Construction Site: 202 County Road 510, Verbena, AL 36091
Owner Agent: [Blank]
Designer/Contractor: Ward Scott Morris Architecture

- Mechanical Systems List**
- | Quantity | System Type & Description |
|----------|---|
| 1 | HP #7 (Single Zone)
VRF Condensing Unit, Air Cooled Heat Pump
Heating Mode Capacity = 24kBtu/h
Proposed Efficiency = 13.0DHSFP, Required Efficiency = 7.70HSFP
Cooling Mode Capacity = 24kBtu/h
Proposed Efficiency = 23.0DSEER, Required Efficiency = 13.0DSEER
Fan System: None |
| 1 | HP #8 (Single Zone)
VRF Condensing Unit, Air Cooled Heat Pump
Heating Mode Capacity = 36kBtu/h
Proposed Efficiency = 10.0DHSFP, Required Efficiency = 7.70HSFP
Cooling Mode Capacity = 36kBtu/h
Proposed Efficiency = 22.0DSEER, Required Efficiency = 13.0DSEER
Fan System: None |
| 2 | FCU #7-1, 7-2 (Single Zone)
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 12kBtu/h
No minimum efficiency requirement applies
Fan System: FCU #7-1, 7-2 - Compliance (Motor nameplate HP method): Passes |
| 2 | FCU #8-1, 8-2 (Single Zone)
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 18kBtu/h
No minimum efficiency requirement applies
Fan System: FCU #8-1, 8-2 - Compliance (Motor nameplate HP method): Passes |
| 1 | P-10
Electric Storage Water Heater, Capacity: 40Gallons w/Circulation Pump
Proposed Efficiency: 0.9BLS, %A @ > 12kW, Required Efficiency: 0.9BLS, %A @ > 12kW |
- Mechanical Compliance Statement**
Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.
- Project Title: 2559 - Verbena HS Restrooms & Concessions Report date: 12/19/25
Data filename: Z:\2559 - Verbena High School\Comcheck\2559 - Concessions & Restrooms.cck Page 1 of 13

mandatory requirements listed in the Inspection Checklist:
Lee Stegall - ME
Name - Title Signature Date 12/19/25

Project Title: 2559 - Verbena HS Restrooms & Concessions Report date: 12/19/25
Data filename: Z:\2559 - Verbena High School\Comcheck\2559 - Concessions & Restrooms.cck Page 2 of 13

2 RESTROOMS & CONCESSIONS COMCHECK
NO SCALE

COMcheck Software Version 4.1.5.1 Mechanical Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: 2559 - Verbena HS Gym
Location: Tuscaloosa, Alabama
Climate Zone: 3a
Project Type: New Construction

Construction Site: 202 County Road 510, Verbena, AL 36091
Owner Agent: [Blank]
Designer/Contractor: Ward Scott Morris Architecture

- Mechanical Systems List**
- | Quantity | System Type & Description |
|----------|--|
| 1 | HP /FCU #1 (Single Zone)
Split System Heat Pump
Heating Mode Capacity = 27kBtu/h
Proposed Efficiency = 11.0DHSFP, Required Efficiency = 8.20HSFP
Cooling Mode Capacity = 24kBtu/h
Proposed Efficiency = 23.0DSEER, Required Efficiency = 14.0DSEER
Fan System: HP /FCU #1 - Compliance (Motor nameplate HP method): Passes |
| 1 | HP /FCU #2 (Single Zone)
Cooling: 1 each - Split System, Capacity = 36kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 15.0DSEER, Required Efficiency: 13.0DSEER
Fan System: HP /FCU #2 - Compliance (Motor nameplate HP method): Passes |
| 1 | HP /FCU #3 (Single Zone)
Cooling: 1 each - Split System, Capacity = 40kBtu/h, Air-Cooled Condenser, Air Economizer
Proposed Efficiency = 15.0DSEER, Required Efficiency: 13.0DSEER
Fan System: HP /FCU #3 - Compliance (Motor nameplate HP method): Passes |
| 1 | HP #4, 6 (Single Zone)
VRF Condensing Unit, Air Cooled Heat Pump
Heating Mode Capacity = 36kBtu/h
Proposed Efficiency = 10.0DHSFP, Required Efficiency = 7.70HSFP
Cooling Mode Capacity = 36kBtu/h
Proposed Efficiency = 22.0DSEER, Required Efficiency = 13.0DSEER
Fan System: None |
| 1 | HP #5 (Single Zone)
VRF Condensing Unit, Air Cooled Heat Pump
Heating Mode Capacity = 24kBtu/h
Proposed Efficiency = 13.0DHSFP, Required Efficiency = 7.70HSFP
Cooling Mode Capacity = 24kBtu/h
Proposed Efficiency = 23.0DSEER, Required Efficiency = 13.0DSEER
Fan System: None |
- Mechanical Compliance Statement**
Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.
- Project Title: 2559 - Verbena HS Gym Report date: 12/19/25
Data filename: Z:\2559 - Verbena High School\Comcheck\2559 - Gym.cck Page 1 of 17

mandatory requirements listed in the Inspection Checklist:
Lee Stegall - ME
Name - Title Signature Date 12/19/25

Project Title: 2559 - Verbena HS Gym Report date: 12/19/25
Data filename: Z:\2559 - Verbena High School\Comcheck\2559 - Gym.cck Page 3 of 17

1 GYMNASIUM COMCHECK
NO SCALE

- Quantity**
- | System Type & Description |
|--|
| SCHP #1 (Single Zone)
Single Package Heat Pump
Heating Mode Capacity = 25kBtu/h
Proposed Efficiency = 17.44COP, Required Efficiency = 3.20COP
Cooling Mode Capacity = 24kBtu/h, Air Economizer
Proposed Efficiency = 9.0SEER, Required Efficiency: 9.0SEER + 10.0SEER
Fan System: SCHP #1 - Compliance (Motor nameplate HP method): Passes |
| Fans:
FAN 8 Supply, Constant Volume, 8000CFM 2.9a motor nameplate hp, 1000fan efficiency grade |
| SCHP #2 (Single Zone)
Single Package Heat Pump
Heating Mode Capacity = 25kBtu/h
Proposed Efficiency = 17.44COP, Required Efficiency = 3.20COP
Cooling Mode Capacity = 24kBtu/h, Air Economizer
Proposed Efficiency = 9.0SEER, Required Efficiency: 9.0SEER + 10.0SEER
Fan System: SCHP #2 - Compliance (Motor nameplate HP method): Passes |
| Fans:
FAN 9 Supply, Constant Volume, 8000CFM 2.9a motor nameplate hp, 1000fan efficiency grade |
| FCU #4-1, 4-2, 6-1, 6-3 (Single Zone)
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 18kBtu/h
No minimum efficiency requirement applies
Fan System: FCU #4-1, 4-2, 6-1, 6-3 - Compliance (Motor nameplate HP method): Passes |
| Fans:
FAN 4 Supply, Constant Volume, 441 CFM 0.1 motor nameplate hp, 1000fan efficiency grade |
| FCU #4-3, 6-2 (Single Zone)
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 9kBtu/h
No minimum efficiency requirement applies
Fan System: FCU #4-3, 6-2 - Compliance (Motor nameplate HP method): Passes |
| Fans:
FAN 5 Supply, Constant Volume, 318CFM 0.1 motor nameplate hp, 1000fan efficiency grade |
| FCU #5-2 (Single Zone)
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 9kBtu/h
No minimum efficiency requirement applies
Fan System: FCU #5-2 - Compliance (Motor nameplate HP method): Passes |
| Fans:
FAN 6 Supply, Constant Volume, 318CFM 0.1 motor nameplate hp, 1000fan efficiency grade |
| FCU #5-1, 6-3 (Single Zone)
Cooling: 1 each - VRF Zone Fan Unit, Capacity = 7kBtu/h
No minimum efficiency requirement applies
Fan System: FCU #5-1, 6-3 - Compliance (Motor nameplate HP method): Passes |
| Fans:
FAN 7 Supply, Constant Volume, 318CFM 0.1 motor nameplate hp, 1000fan efficiency grade |
| P-10
Electric Storage Water Heater, Capacity: 40Gallons w/Circulation Pump
Proposed Efficiency: 0.9BLS, %A @ > 12kW, Required Efficiency: 0.9BLS, %A @ > 12kW |
| P-10
Gas Storage Water Heater, Capacity: 10Gallons, Input Rating: 199kBtu/h w/Circulation Pump
Proposed Efficiency: 97.0% Et, Required Efficiency: 80.0% Et |
- Project Title: 2559 - Verbena HS Gym Report date: 12/19/25
Data filename: Z:\2559 - Verbena High School\Comcheck\2559 - Gym.cck Page 2 of 17

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DATE: 01/08/26
PROJ NO: 25-032

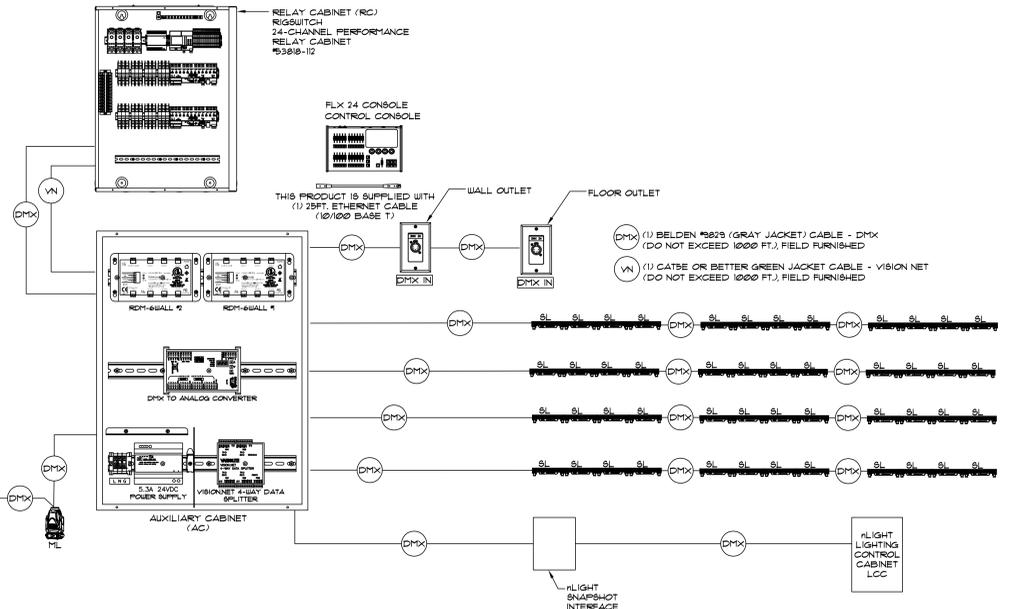
REVISIONS

#	DESC	DATE
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MECHANICAL COMCHECK

M003

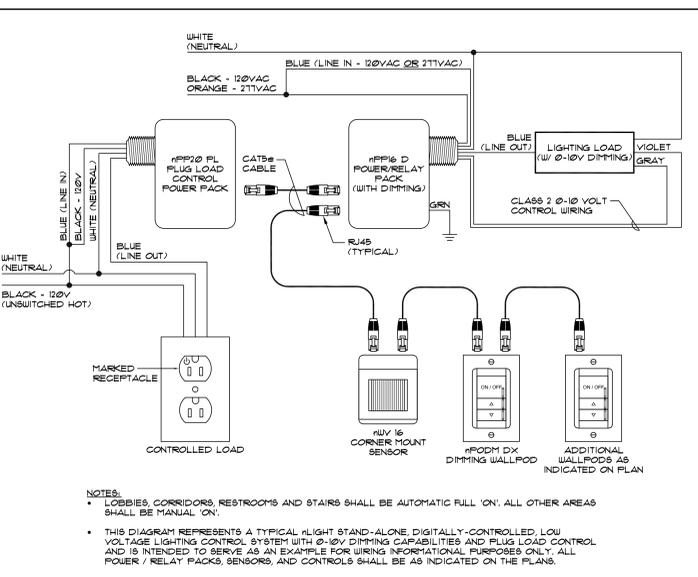
6 PERFORMANCE LIGHTING LOW VOLTAGE WIRING DIAGRAM
 NOT TO SCALE



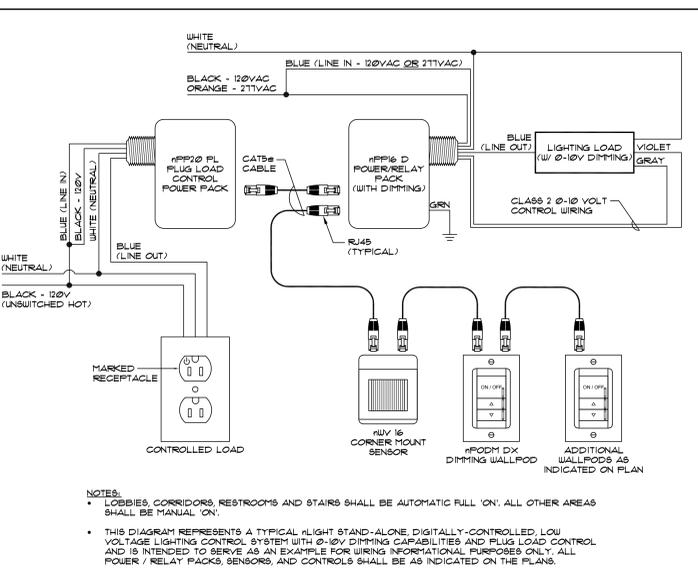
- ABBREVIATIONS: AFF-ABOVE FINISHED FLOOR, CBB-COMMUNICATIONS BACK BOARD, NEC - NATIONAL ELECTRICAL CODE, UP-WEATHERPROOF, RT - RAIN TIGHT
- AO↑ CEILING OUTLET, LUMINAIRE TYPE 'A', CIRCUIT #, RELAY 'R' (TYPICAL)
 - WALL OUTLET, LUMINAIRE
 - ⊗ WALL OUTLET, EXIT LUMINAIRE
 - ⊠ CEILING OUTLET, RECESSED IN CEILING
 - TROFFER, RECESS MOUNTED IN CEILING
 - WALL OUTLET, LINEAR LUMINAIRE, SURFACE MOUNTED
 - CEILING OUTLET, LINEAR LUMINAIRE, MOUNTING AS PER 'LUMINAIRE SCHEDULE'
 - ⊙ POST TOP LUMINAIRE
 - ⊠ POLE MOUNTED LUMINAIRE, SINGLE LUMINAIRE 8'0" H
 - ⊠ WALL OUTLET, 20A SWITCH, 46" AFF, SUBSCRIPT INDICATES TYPE AS FOLLOWS: NO SUBSCRIPT - SINGLE POLE, '2' - 2-POLE, '3' - 3-WAY, '4' - 4-WAY, 'P' - PILOT LIGHT
 - ⊠ WALL OUTLET, OCCUPANCY SENSOR, 46" AFF, SUBSCRIPT INDICATES CRESTRON NO. AS FOLLOWS: NO SUBSCRIPT - KSLA-DT-ULS-1 (DUAL TECHNOLOGY, SINGLE RELAY, ONE BUTTON), '3' - KSLA-DT-ULS-1 (DUAL TECHNOLOGY, SINGLE RELAY, ONE BUTTON, SWITCH LINK FOR MULTI-LOCATION), 'D' - KSLA-DT-ULS-DIM (DUAL TECHNOLOGY, SINGLE RELAY, 3 BUTTONS W/ 0-10V DIMMING), '3D' - KSLA-DT-ULS-DIM (DUAL TECHNOLOGY, SINGLE RELAY, 3 BUTTONS W/ 0-10V DIMMING, SWITCH LINK FOR MULTI-LOCATION), PROGRAM FOR AUTOMATIC 'ON' / AUTOMATIC 'OFF'
 - ⊠ WALL OUTLET, VACANCY SENSOR, 46" AFF, SUBSCRIPT INDICATES CRESTRON NO. AS FOLLOWS: NO SUBSCRIPT - KSLA-DT-ULS-1 (DUAL TECHNOLOGY, SINGLE RELAY, ONE BUTTON), '3' - KSLA-DT-ULS-1 (DUAL TECHNOLOGY, SINGLE RELAY, ONE BUTTON, SWITCH LINK FOR MULTI-LOCATION), 'D' - KSLA-DT-ULS-DIM (DUAL TECHNOLOGY, SINGLE RELAY, 3 BUTTONS W/ 0-10V DIMMING), '3D' - KSLA-DT-ULS-DIM (DUAL TECHNOLOGY, SINGLE RELAY, 3 BUTTONS W/ 0-10V DIMMING, SWITCH LINK FOR MULTI-LOCATION), PROGRAM FOR AUTOMATIC 'ON' / AUTOMATIC 'OFF'
 - ⊠ WALL OUTLET, LIGHTING CONTROL WALL STATION, 4" 8Q BOX WITH SINGLE GANG COVER, 46" AFF, 1/2" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING WITH BUSHING, SUBSCRIPT INDICATES LIGHT MODEL NO. AS FOLLOWS: NO SUBSCRIPT - MFCM-6-RUB (SMALL MOTION), '1' - MFCM-10-RUB (LARGE MOTION), '4' - MFCM-6-RUB (HIGH MOUNT), 'D' - MFCM-PDT-9-RUB (DUAL-TECH)
 - ⊠ WALL OUTLET, KEY SWITCH FURNISHED WITH EQUIPMENT, INSTALLED BY ELECTRICAL CONTRACTOR, 46" AFF, CONTROL WIRING AS REQUIRED.
 - ⊠ CEILING OUTLET, LIGHTING CONTROL SYSTEM PEDESTAL MOUNT OCCUPANCY SENSOR, RLIGHT MWPDT16-KIT
 - ⊠ CEILING OUTLET, LIGHTING CONTROL SYSTEM OCCUPANCY SENSOR, SUBSCRIPT INDICATES LIGHT MODEL NO. AS FOLLOWS: NO SUBSCRIPT - MCH-6-RUB (SMALL MOTION), '1' - MCH-10-RUB (LARGE MOTION), '4' - MCH-6-RUB (HIGH MOUNT), 'D' - MCH-PDT-9-RUB (DUAL-TECH)
 - ⊠ CEILING OUTLET, FLUSH MOUNT LINE VOLTAGE OCCUPANCY SENSOR, LEVITON *ODC10-MDW (DUAL TECHNOLOGY) OR EQUAL
 - ⊠ CEILING OUTLET LIGHTING CONTROL SYSTEM DAYLIGHT HARVESTING PHOTOSENSOR, RLIGHT MCHADCK-RUB, SUBSCRIPT INDICATES CONTROLLED DAYLIGHTING ZONE AS FOLLOWS: 'P' - PRIMARY, 'S' - SECONDARY
 - ⊠ LIGHTING CONTROL SYSTEM POWER/RELAY PACK MOUNTED TO 4" 8Q BOX ABOVE ACCESSIBLE CEILING OR ON WALL AS PER PLAN, RLIGHT MFP16-DS-EFF-8A (DIMMING)
 - ⊠ AUXILIARY CABINET, SEE PERFORMANCE LIGHTING LOW VOLTAGE WIRING DIAGRAM
 - ⊠ RELAY CABINET, SEE PERFORMANCE LIGHTING LOW VOLTAGE WIRING DIAGRAM
 - ⊠ LIGHTING CONTROL CABINET, RLIGHT MFCM-INTENCL-NLT-16FCM-VOLT-1VB-HLK-8M OR SIZE AS REQUIRED
 - ⊠ SNAPSHOTS INTERFACE, RLIGHT MFP16-DS-EFF-8A, MANUFACTURER TO PROVIDE ALL MATERIALS AND PROGRAMMING NECESSARY FOR PERFORMANCE LIGHTING CONSOLE TO CONTROL 'HOUSE LIGHTS' IN LOBBY 101 AND 0TH 100.
 - ⊠ INVERTER, 10 KVA, 120V INPUT, 120V OUTPUT, ONE 20A NORMALLY ON OUTPUT BREAKER, 90 MIN RUN TIME, 20 YEAR BATTERY LIFE, FACTORY START-UP, DUAL-LITE 10-120-01-01-10-01 OR EQUAL
 - ⊠ ADDRESSABLE MONITOR MODULE, HONEYWELL *MFM-4F
 - ⊠ FIRE ALARM PANEL, GATHEWELL-FCI E3 SERIES EMERGENCY VOICE EVACUATION SYSTEM W/ LCD-8LP LCD TOUCHSCREEN DISPLAY, SURFACE MOUNT
 - ⊠ BI-DIRECTIONAL AMPLIFIER (BDA) BATTERY BACKUP UNIT W/ BUILT-IN ANNUNCIATOR UNIT TO BE MANUFACTURED BY FIFLEX OR APPROVED EQUAL UNIT TO BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS
 - ⊠ WALL OUTLET, 1/2" HOMERUN TO AUXILIARY CABINET (AC), SEE PERFORMANCE LIGHTING LOW VOLTAGE WIRING DIAGRAM FOR CABLING
 - ⊠ WALL OUTLET, 20A DUPLEX TAMPER RESISTANT RECEPTACLE, 18" AFF
 - ⊠ WALL OUTLET, 20A GROUND FAULT INTERRUPTER DUPLEX TAMPER RESISTANT RECEPTACLE, CENTERLINE 18" AFF
 - ⊠ WALL OUTLET, 2 GANG, 18" AFF, TWO 20A DUPLEX TAMPER RESISTANT RECEPTACLES (GLAD)
 - ⊠ SPECIAL HEIGHT WALL OUTLET, SEE SPECIFICATIONS AND ARCHITECTURAL DETAILS OR AS NOTED ON PLAN
 - ⊠ MULTI-SERVICE FLUSH FLOOR OUTLET, HEAVY DUTY, COLE #LS-353-3 W/ DUPLEX RECEPTACLES POWER AS INDICATED ON POWER WIRING PLAN, INSTALL ONE (1) 1" CONDUIT TO RESPECTIVE CBB
 - ⊠ HOME RUN 2#2-1/2" C. #3#2-1/2" ETC. AS PER N.E.C. EQUIPMENT GROUNDING CONDUCTOR TO BE PULLED IN ALL RACEWAYS IS NOT INDICATED BY A SLASH MARK
 - ⊠ BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
 - ⊠ FLEXIBLE CONDUIT CONNECTION, SEAL-TITE ON EXTERIOR
 - ⊠ BRANCH CIRCUIT CONCEALED IN OR UNDER FLOOR, SEE SPECIFICATIONS FOR CIRCUIT TYPE
 - ⊠ BRANCH CIRCUIT EXPOSED ON WALL OR CEILING
 - ⊠ EMERGENCY BRANCH CIRCUIT EXPOSED ON WALL OR CEILING
 - ⊠ BRANCH CIRCUIT CONTAINING 18/2 TYPE TC CABLE IN ADDITION TO POWER CONDUCTORS FOR DIMMING CONTROL
 - ⊠ EQUIPMENT TOGGLE DISCONNECT SWITCH, CEILING OR WALL MOUNTED AS INDICATED, LOCATIONS WITH CONCEALED CONDUIT TO BE FLUSH 2 GANG OUTLET WITH 86 PLATE, OTHER LOCATIONS TO BE 44" J-BOX WITH RAISED DEVICE COVER, LOCATE ADJACENT TO EQUIPMENT IN COMPLIANCE WITH N.E.C. SUFFIX INDICATES SWITCH TYPE AS FOLLOWS: NO SUBSCRIPT - SINGLE POLE 20A, '2' - 2 POLE 20A, 'P' - 3 POLE 30A EQUAL TO MITSUBISHI #AZ78303
 - ⊠ CEILING J-BOX
 - ⊠ WALL J-BOX
 - ⊠ CONNECTION TO FRACTIONAL HP MOTOR
 - ⊠ MOTORIZED GOAL HOIST
 - ⊠ NON-FUSED DISCONNECT SWITCH, TYPE HD
 - ⊠ PANELBOARD

1 ELECTRICAL SYMBOLS
 NO SCALE

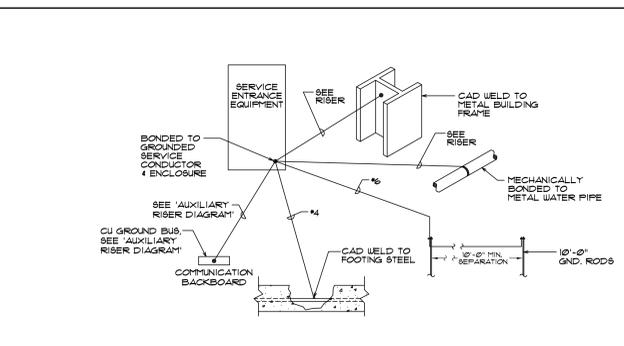
5 GYMNASIUM RISER DIAGRAM
 NOT TO SCALE



2 LOW VOLTAGE LIGHTING CONTROLS WIRING DIAGRAM
 NOT TO SCALE

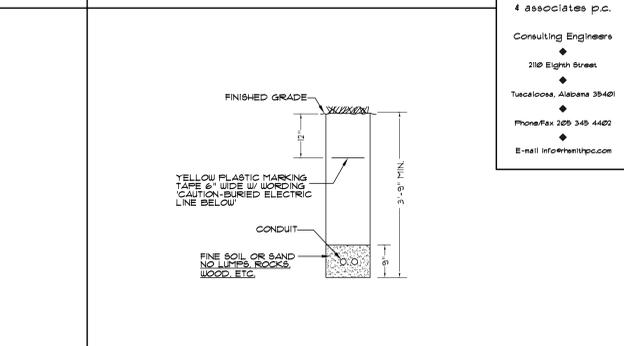


9 GENERAL NOTES
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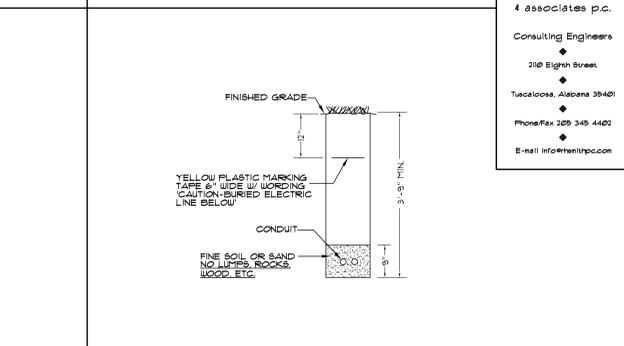


7 SERVICE GROUNDING DIAGRAM
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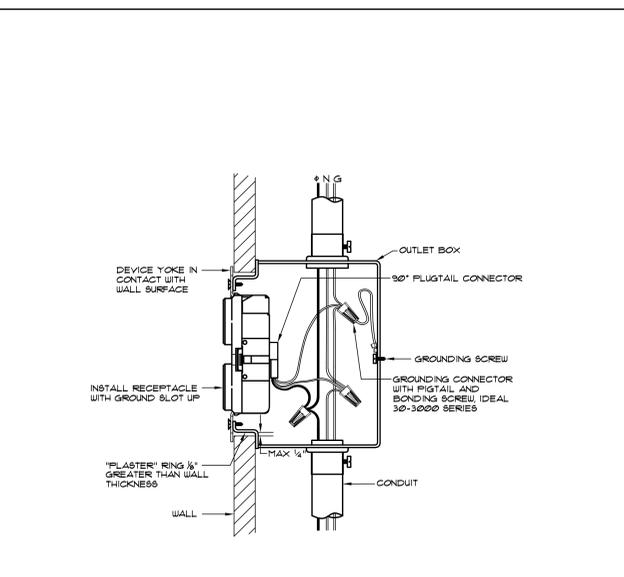
10 FAULT CURRENT NAMEPLATE DETAIL
 NOT TO SCALE



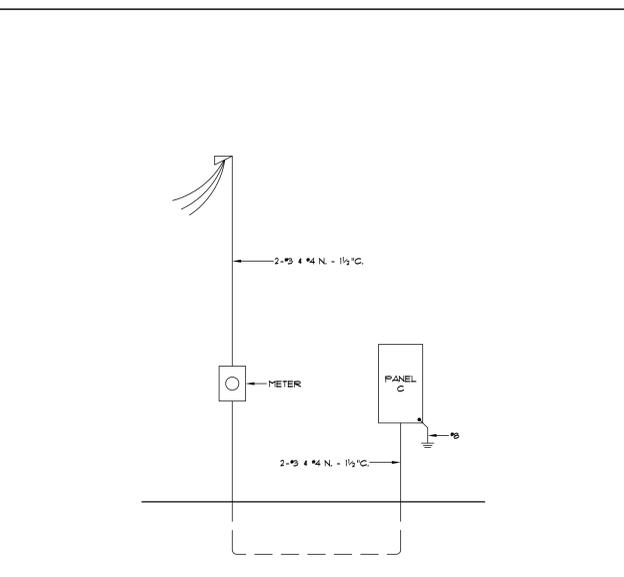
8 BURIED CONDUIT DETAIL
 NOT TO SCALE



3 FLUSH MOUNT RECEPTACLE DETAIL
 NOT TO SCALE



4 RESTROOM BUILDING RISER DIAGRAM
 NOT TO SCALE



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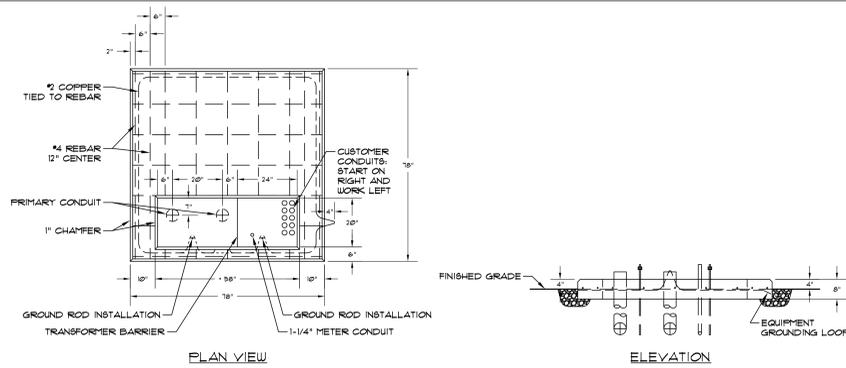
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BID DOCUMENTS		
DATE:	01/08/26	
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ELECTRICAL SYMBOLS AND DETAILS		
E001		

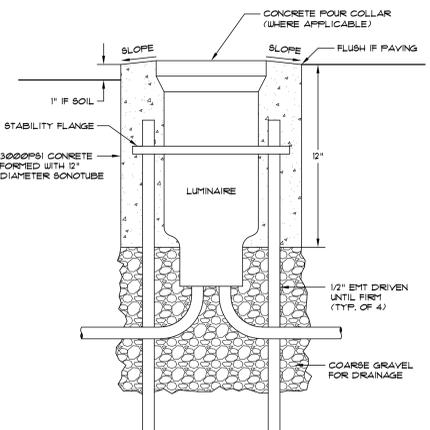
DIRECTORY	VA LOAD		CKT NO.	BRKR	BRKR	CKT NO.	VA LOAD		DIRECTORY
	L1	L2					L1	L2	
LIGHTING	60		1	20/1		2	1040		EXTERIOR LIGHTING / PHOTOCELL
RECEPTACLE		360	3	20/1		4			PROVISION
ENTRY SIGNAGE	500		5	20/1		6			PROVISION
SPARE			7	20/1		8			PROVISION
PROVISION			9			10	1,500		PTAC
PROVISION			11		20/2	12		1,500	
SUBTOTALS	560	360					2540	1500	SUBTOTALS
VOLTAGE: 120/240V, 1PH			AMPACITY: 50A		TOTAL VA, LINE 1		3100		Panel ID
MAIN: MAIN BREAKER, BOTTOM					TOTAL VA, LINE 2		1860		T
MOUNTING: SURFACE					TOTAL VA		4960	LOC	TICKET BOOTH

7 PANEL T SCHEDULE
NO SCALE



- NOTES:
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 POUNDS. PAD SHALL BE CURED NOT LESS THAN 12 HOURS.
 - ALL CONDUITS TO EXTEND 1 INCH ABOVE TOP OF PAD AND HAVE A BELL END INSTALLED. REBAR NOT TO BE INSTALLED IN PRIMARY OR SECONDARY OFFENSES.
 - PAD FORMING AND CONDUIT TRENCH MUST BE INSPECTED BY ENGINEER BEFORE CONCRETE IS POURED.
 - STUB 1-1/2\"/>

8 TRANSFORMER PAD DETAIL
NOT TO SCALE



6 LUMINAIRE 'Z' MOUNTING DETAIL
NOT TO SCALE

DIRECTORY	VA LOAD			CKT NO.	BRKR	BRKR	CKT NO.	VA LOAD			DIRECTORY
	L1	L2	L3					L1	L2	L3	
LIGHTING	852			1	20/1		2	1440			RECEPTACLE
EXTERIOR LIGHTING / PHOTOCELL		830		3	20/1		4		1260		RECEPTACLE
GOAL LIFT	500			7	20/1		8			360	GIRLS' BOTTLE FILLER
GOAL LIFT		500		9	20/1		10		1260		SPARE
GOAL LIFT			500	11	20/1		12			1440	RECEPTACLE
SCOREBOARD / SHOT CLOCK	360			13	20/1		14	360			BOYS' BOTTLE FILLER
HAND DRYER - VISITOR		950		15	20/1		16		180		WATER HEATER
HAND DRYER - GIRLS		950		17	20/1		18				SPARE
HAND DRYER - GIRLS	950			19	20/1		20				SPARE
HAND DRYER - COACH		950		21	20/1		22		950		HAND DRYER - BOYS
HAND DRYER - REFEREE		950		23	20/1		24			950	HAND DRYER - BOYS
HAND DRYER - COACH	950			25	20/1		26	950			HAND DRYER - VISITOR
DIVIDER CURTAIN		500		27	20/1		28		540		RECEPTACLE
POWERVENT			200	29	20/1		30			1,260	GIRLS' LOCKERS
FIRE ALARM CIRCUIT	360			31	20/1 *		32	1620			GIRLS' LOCKERS
RECEPTACLE - DATA RACK		180		33	20/1		34		1,260		GIRLS' VISITOR LOCKERS
RECEPTACLE - CBB		360		35	20/1		36		1,260		GIRLS' VISITOR LOCKERS
SPARE				37	20/1		38	1620			BOYS' LOCKERS
SPARE				39	20/1		40		1,620		BOYS' LOCKERS
SPARE				41	20/1		42		1,800		BOYS' VISITOR LOCKERS
30/1 PROVISION				43	20/1 GFI		44	1,260			BOYS' VISITOR LOCKERS
30/1 PROVISION				45			46				30/1 PROVISION
30/1 PROVISION				47			48				30/1 PROVISION
HP 4	2,200			49	25/2		50	1,200			BOYS' WASHER
		2,200		51		15/3	52		1,200		
HP 6	2,200			53	25/2		54		1,200		
		2,200		55			56	1,200			
HP 5			1,591	57		15/3	58		1,200		GIRLS' WASHER
	1,591			59	20/2		60		1,200		
SUBTOTALS	9963	8310	4826					9650	9470	9470	SUBTOTALS
VOLTAGE: 120/208V, 3 PH, 4W			AMPACITY: 200A		TOTAL VA, LINE 1		19613				Panel ID
MAIN: MLO, TOP					TOTAL VA, LINE 2		17780				B
MOUNTING: SURFACE					TOTAL VA, LINE 3		14296				
NOTES: PANEL BOARD, 22K AIC, 120 KA INTEGRAL SPD., 2 EQUAL SECTIONS					TOTAL VA		51689			LOC	GYMNASIUM RISER ROOM 1109

5 PANEL B SCHEDULE
NO SCALE

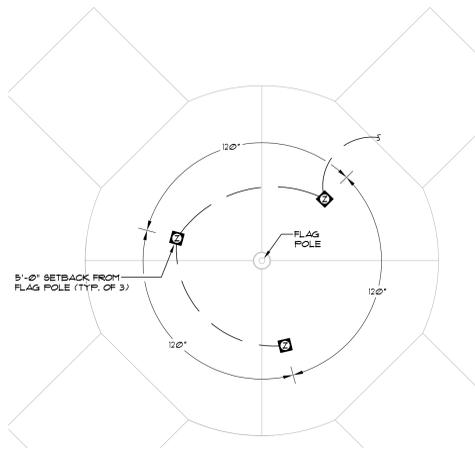
SYMBOL	MANUFACTURER	CATALOG NUMBER	WATTS	MOUNTING	REMARKS	ALTERNATES
A	CURRENT LIGHTING	84V-MM-39-8-8822-CDL-U-11-1023A	177	CEILING PENDANT	1	PARKER LITHONIA
B	CGF DESIGN	LDG-D-15G-24-LED30-CT4-UNV-11-BLD/30	20	SURFACE WALL	13	ECLIPSE, ADVANTAGE
C/E	LITELINE LIGHTING	GEN04-IC-39-M4H-S-N OR (E)1-X-N-1	18	RECESSED CEILING	(2)	FRESCO-LITE, JUNO
D	LITELINE LIGHTING	DL4-SU-3500K	12	SURFACE WALL		FRESCO-LITE, JUNO
E	MULE LIGHTING	YERU-LED-ACEM-11	-	SURFACE WALL	(2)	EMERGI-LITE, DUAL-LITE
F2L	LITELINE LIGHTING	LEDP-22-UH-C-39-2-2	20	RECESSED CEILING		FRESCO-LITE, JUNO
F2(E)	LITELINE LIGHTING	LEDP-22-UH-C-39-3-2(-EM)	30	RECESSED CEILING	(2)	FRESCO-LITE, JUNO
F4L(E)	LITELINE LIGHTING	LEDP-24-UH-C-39-3-2(-EM)	30	RECESSED CEILING	(2)	FRESCO-LITE, JUNO
F4(E)	LITELINE LIGHTING	LEDP-24-UH-C-39-4-2(-EM)	40	RECESSED CEILING	(2)	FRESCO-LITE, JUNO
G	CGF DESIGN	LDG-D-15G-24-LED30-CT4-UNV-11-BLD/30	20	SURFACE WALL	13	ECLIPSE, ADVANTAGE
H(E)	CGF DESIGN	E14-N-8M-LED30-CT4-UNV-11-EM10W	30	SURFACE CEILING	(2)	ECLIPSE, ADVANTAGE
H(E)	CGF DESIGN	E14-N-8M-LED30-CT4-UNV-11-EM10W	40	SURFACE CEILING	(2)	ECLIPSE, ADVANTAGE
ML	VARI-LITE	VL800 EVENT PROFILE	350	SURFACE CEILING	6	SUBMIT FOR APPROVAL
N2	LITE CONTROL	2L-P-D-2-DRP-1-39K9-D030-D01-IC-UNV-FAI	6	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N4	LITE CONTROL	2L-P-D-4-DRP-1-39K9-D030-D01-IC-UNV-FAI	12	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N8	LITE CONTROL	2L-P-D-8-DRP-1-39K9-D030-D01-IC-UNV-FAI	14	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N1	LITE CONTROL	2L-P-D-11-DRP-1-39K9-D030-D01-IC-UNV-FAI	20	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N8	LITE CONTROL	2L-P-D-9-DRP-1-39K9-D030-D01-IC-UNV-FAI	26	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
N10	LITE CONTROL	2L-P-D-10-DRP-1-39K9-D030-D01-IC-UNV-FAI	28	CEILING SUSPENDED	1	PEERLESS, INTRA-LIGHTING
P3	BEACON LIGHTING	VP-8T-1-36L-39-4KT-3-UNV-ASQU-SCP40	39	POLE	13,8	L91 LIGHTING, HYDREL
P4	BEACON LIGHTING	VP-8T-1-36L-39-4KT-4F-UNV-ASQU-SCP40	39	POLE	13,8	L91 LIGHTING, HYDREL
P5	BEACON LIGHTING	VP-8T-1-36L-39-4KT-4F-UNV-ASQU-SCP40	55	POLE	13,8	L91 LIGHTING, HYDREL
S4(E)	L91 LIGHTING	SDL4-LED-30L-FL-UNV-DIM1-35-80CRI-EM10	24	CEILING SUSPENDED	(2)	LITHONIA, HUBBELL
S2	L91 LIGHTING	SDL2-LED-15L-FL-UNV-DIM1-35-80CRI	13	SURFACE CEILING		LITHONIA, HUBBELL
BL	VARI-LITE	VL1000 AURORA STRIP	321	SURFACE CEILING	6	SUBMIT FOR APPROVAL
T	L91 LIGHTING	OP8-FT-5L-50-UNV-40K9-11-HSBTIL-164420CLR	32	POST TOP	14,7	BEACON, BELUX
V	WAC LIGHTING	WP-8T-1-24L-25-4KT-3-UNV	24	SURFACE WALL	1	SUBMIT FOR APPROVAL
W4	BEACON LIGHTING	VPW-8T-1-24L-10-4KT-3-UNV	25	SURFACE WALL	1	L91 LIGHTING, HYDREL
W4	BEACON LIGHTING	VPW-8T-1-24L-10-4KT-4F-UNV	10	SURFACE WALL	1	L91 LIGHTING, HYDREL
W4	BEACON LIGHTING	VPW-8T-1-48L-39-4KT-4F-UNV	39	SURFACE WALL	1	L91 LIGHTING, HYDREL
XG	MULE LIGHTING	ULPCX-R-U-U-0D	3	SURFACE WALL	2,4	EMERGI-LITE, DUAL-LITE
XE	MULE LIGHTING	CRS-BB-1-R-U-11-TU-DG	3	SURFACE WALL	12,4	EMERGI-LITE, DUAL-LITE
Z	L91 LIGHTING	XIG-B-RIH-LED-19-390-NU-UE-NFL25-NB	16	RECESS GRADE		BEACON, BELUX

1 LUMINAIRE SCHEDULE
NO SCALE

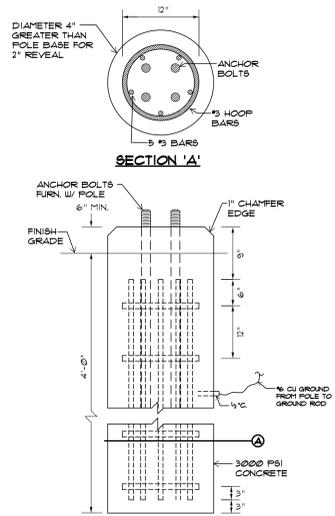
DIRECTORY	VA LOAD			BRKR	BRKR	VA LOAD			DIRECTORY		
	L1	L2	L3			L1	L2	L3			
PANEL A	23,526							19,613		PANEL B	
		22,057		250/3	200/3			17,780			
			22,617						14,296		
SCHP 1	20,620			225/3	225/3			20,620		SCHP 2	
		20,620						20,620			
ERV	1,084			25/3	30/3			500		BLEACHERS	
		1,084						500			
100/3 PROVISION								500		BLEACHERS	
								500			
100/3 PROVISION								500		100/3 PROVISION	
								500			
225/3 PROVISION								12,000		225/3 PROVISION	
								12,000			
BOY'S DRYER		12,000		150/3	150/3			12,000		GIRLS' DRYER	
		12,000						12,000			
SUBTOTALS	57230	55761	56321					53333	51400	47916	SUBTOTALS
VOLTAGE: 120/208V, 3 PH, 4W			AMPACITY: 1200A		TOTAL VA, LINE 1		110463				Panel ID
MAIN: MAIN BREAKER BOTTOM					TOTAL VA, LINE 2		107161				MP
MOUNTING: SURFACE					TOTAL VA, LINE 3		104237				
NOTES: PANEL BOARD, 22K AIC, SE LABEL, 250 KA INTEGRAL SPD.					TOTAL VA		321861			LOC	GYMNASIUM RISER ROOM 1109

2 PANEL MP SCHEDULE
NO SCALE

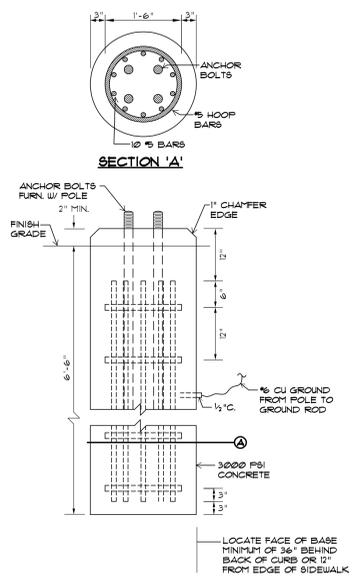
DIRECTORY	VA LOAD			CKT NO.	BRKR	BRKR	CKT NO.	VA LOAD			DIRECTORY
	L1	L2	L3					L1	L2	L3	
LCC - GYM LIGHTING ROW 1	1062			1	20/1	20/1	2	500			GOAL LIFT
LCC - GYM LIGHTING ROW 2		1062		3	20/1	20/1	4		500		GOAL LIFT
LCC - GYM LIGHTING ROW 3			1062	5	20/1	20/1	6			500	GOAL LIFT
LCC - GYM LIGHTING ROW 4	1062			7	20/1	20/1	8	1440			RECEPTACLE
LCC - GYM LIGHTING ROW 5		1062		9	20/1	20/1	10		1260		RECEPTACLE
LCC - GYM LIGHTING ROW 6			1062	11	20/1	20/1	12			360	WATER COOLER
LIGHTING	806			13	20/1	20/1	14	1080			RECEPTACLE
LIGHTING		438		15	20/1	20/1	16		360		RECEPTACLE
LIGHTING			412	17	20/1	20/1	18			180	RECEPTACLE - REFRIGERATOR
SCOREBOARD / SHOT CLOCK	360			19	20/1	20/1	20	180			RECEPTACLE - REFRIGERATOR
GYM FLOOR RECEPTACLE		360		21	20/1	20/1	22		180		RECEPTACLE - ICE MACHINE
GYM FLOOR RECEPTACLE			360	23	20/1	20/1	24			710	INVERTER
RECEPTACLE	360			25	20/1	20/1	26	180			SI - SNAPSHOT INTERFACE
RECEPTACLE		360		27	20/1	20/1	28		180		LCC - LIGHTING CONTROL CAB.
SPARE				29	20/1	20/1	30			180	AC - AUXILIARY CAB.
SPARE				31	20/1	20/1 *	32	360			FIRE ALARM CIRCUIT
SPARE				33	20/1	20/1 *	34		180		BI-DIRECTION AMPLIFIER
SPARE				35	20/1	20/1	36			360	RECEPTACLE - CBB
SPARE				37	20/1	20/1	38	360			RECEPTACLE - CBB
SPARE				39	20/1	20/1	40		360		RECEPTACLE - DATA RACK
SPARE				41	20/1		42				30/1 PROVISION
30/1 PRO											



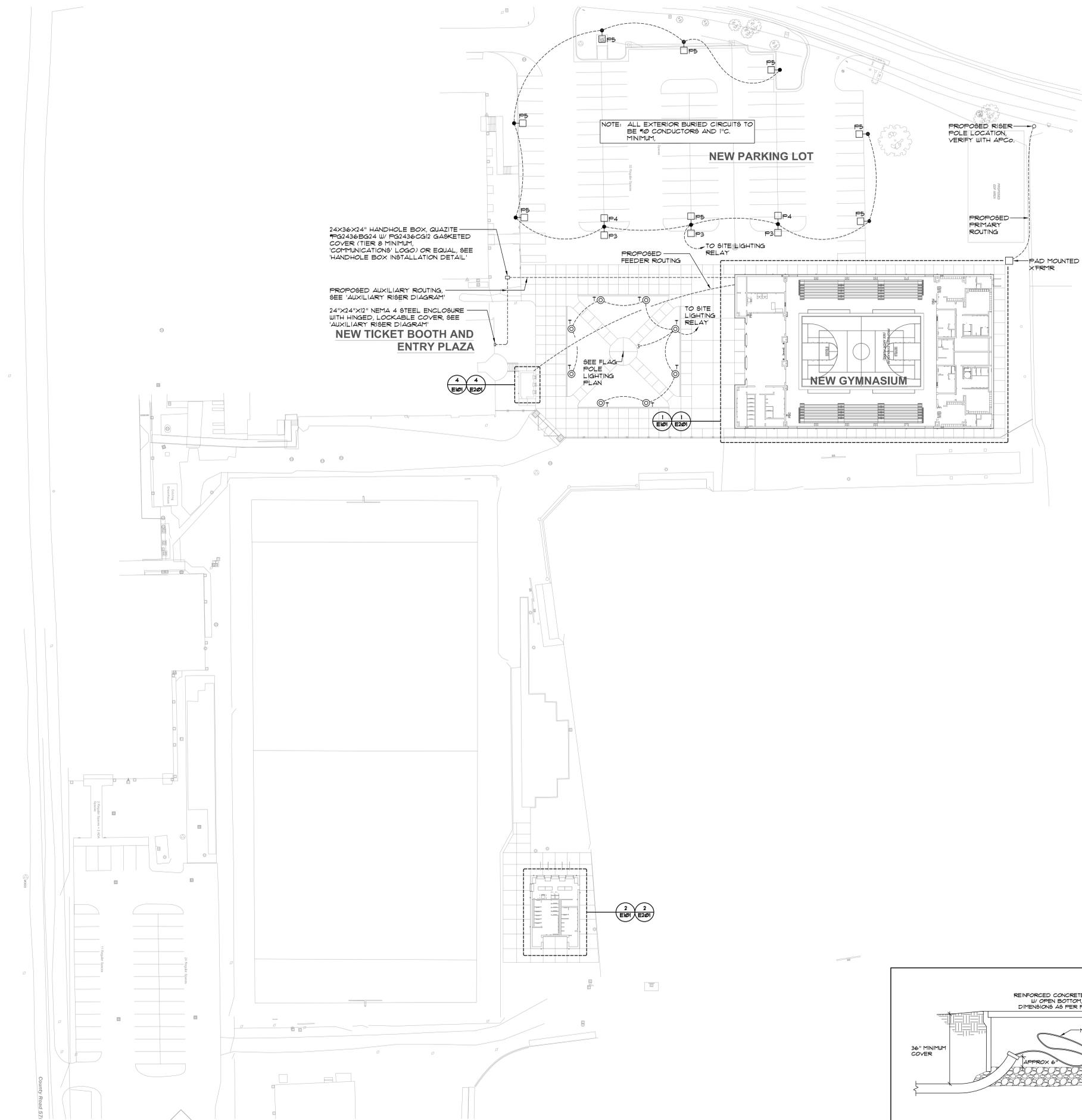
4 FLAG POLE LIGHTING PLAN
1/4" = 1'-0"



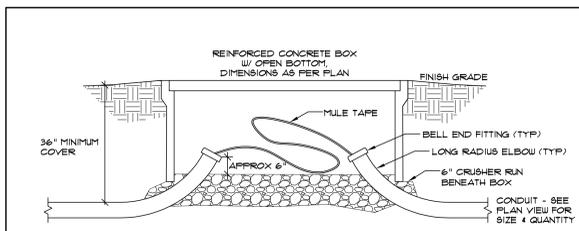
3 LUMINAIRE T POLE FOUNDATION DETAIL
NOT TO SCALE



1 LUMINAIRE P3, P4, & P5
POLE FOUNDATION DETAIL
NOT TO SCALE



2 SITE ELECTRICAL PLAN
1" = 30'-0"



5 HANDHOLE BOX
INSTALLATION DETAIL
NO SCALE



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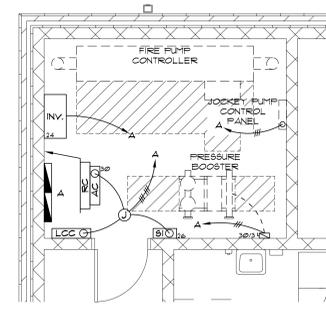
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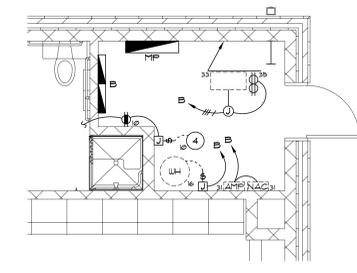
BID DOCUMENTS		
DATE:	01/08/26	
PROJ NO:	25-032	
REVISIONS		
#	DESC	DATE
SITE ELECTRICAL PLAN		
E100		

- 1 SHOT CLOCK PROVISIONS, VERIFY REQUIREMENTS WITH VENDOR
- 2 SCOREBOARD PROVISIONS, VERIFY REQUIREMENTS WITH VENDOR
- 3 CONNECTION TO BLEACHERS POWER SUPPLY
- 4 CONNECTION TO CIRCULATOR VIA AQUASTAT
- 5 TO KEY SWITCH
- 6 CONNECTION TO BOTTLE FILLER
- 7 8x8x4" J-BOX TO HOUSE SWITCHING RELAY, RELAY FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL
- 8 INSTALL DPMX INPUT JACK IN THIS FLOOR OUTLET, ¾" VC TO DRIVER CABINET DC. SEE PERFORMANCE LIGHTING LOW VOLTAGE WIRING DIAGRAM FOR CABLING
- 9 FOR HAND DRYER, COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECT
- 10 CONNECTION TO LOCKER CHARGING RECEPTACLE, DAISY CHAIN CIRCUIT TO ALL LOCKERS IN THE ROW, ALL WIRING TO BE CONCEALED IN WIRING CHANNELS PROVIDED.

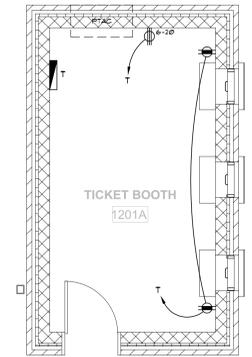
3 SPECIFIC NOTES
NO SCALE



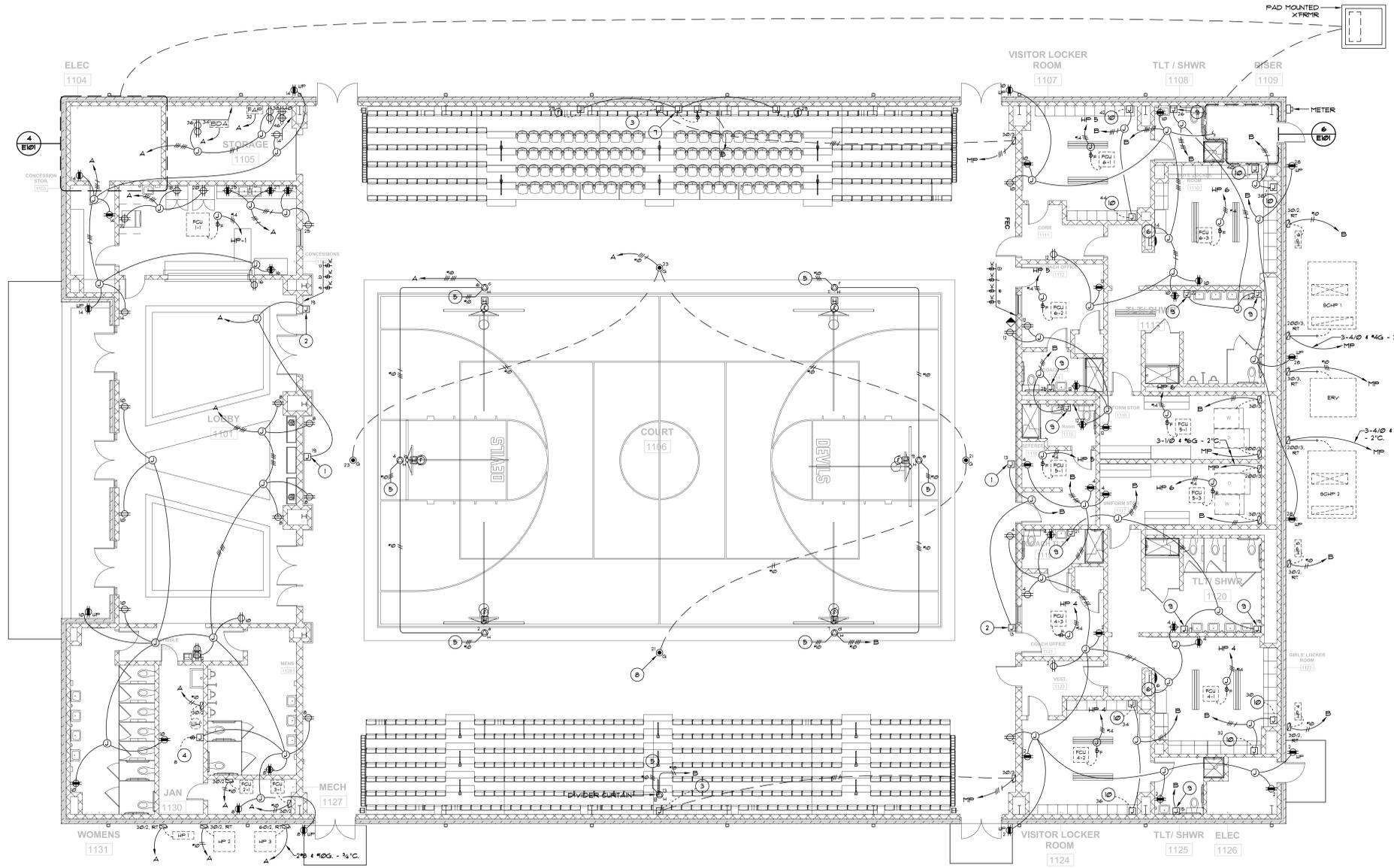
4 ELECTRICAL ROOM 1104
1/4" = 1'-0"



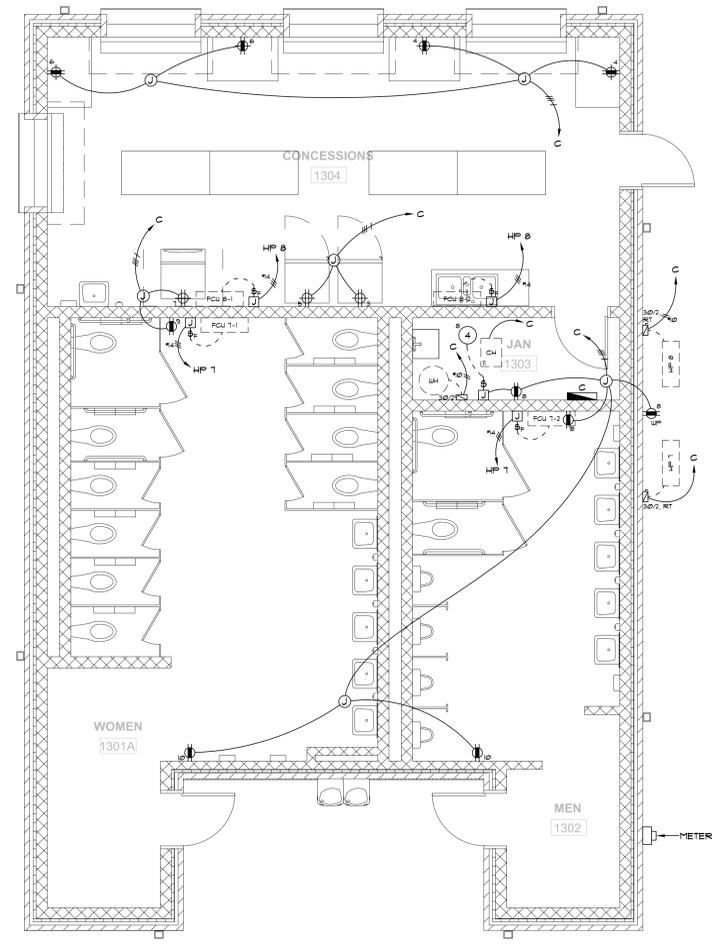
6 RISER 1190
1/4" = 1'-0"



5 TICKET BOOTH - POWER WIRING PLAN
1/4" = 1'-0"



1 GYMNASIUM - POWER WIRING PLAN
1/8" = 1'-0"



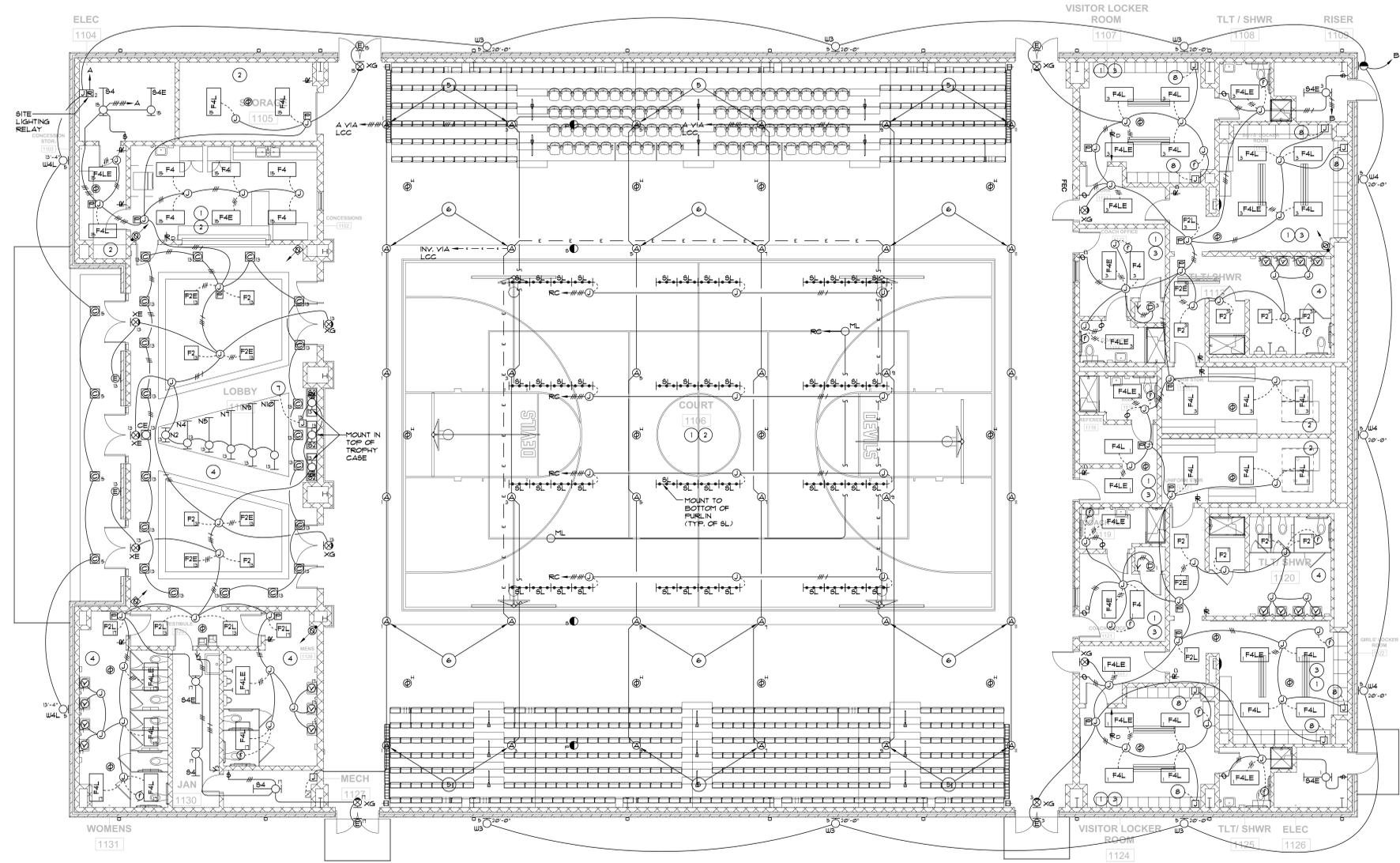
2 RESTROOM BUILDING - POWER WIRING PLAN
1/4" = 1'-0"

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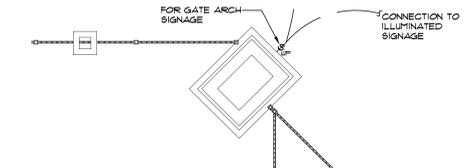
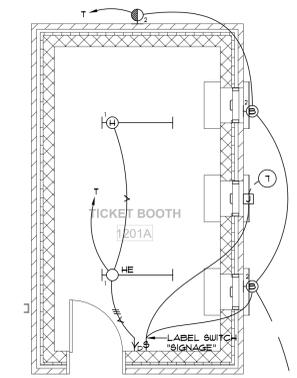
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PROJ NO:	25-032	
REVISIONS		
#	DESC	DATE
POWER WIRING PLANS		
E101		



1 GYMNASIUM - LIGHTING PLAN
1/8" = 1'-0"

- 1 18/2 DIMMING CABLE REQUIRED TO EACH DIMMED LUMINAIRE
- 2 PROGRAM LIGHTING CONTROLS FOR MANUAL ON, AUTOMATIC OFF
- 3 PROGRAM LIGHTING CONTROLS FOR AUTOMATIC 50% ON, AUTOMATIC OFF
- 4 PROGRAM LIGHTING CONTROLS FOR FULL AUTOMATIC ON, AUTOMATIC OFF
- 5 LUMINAIRE LOCATED IN PRIMARY SIDELIGHTED AREA AND IS DIMMED BY PHOTOCONTROL
- 6 LUMINAIRE LOCATED IN SECONDARY SIDELIGHTED AREA AND IS DIMMED BY PHOTOCONTROL
- 7 CONNECTION TO ILLUMINATED SIGNAGE
- 8 CONNECTION TO LOCKER LIGHTING (NOT DIMMED), DAISY CHAIN CIRCUIT THROUGH ALL LOCKERS IN THE ROW. WIRING TO BE CONCEALED IN WIRING CHANNELS PROVIDED.

3 SPECIFIC NOTES
NO SCALE



4 TICKET BOOTH - LIGHTING PLAN
1/4" = 1'-0"

2 RESTROOM BUILDING - LIGHTING PLAN
1/4" = 1'-0"

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LIGHTING PLANS		
E201		



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REVISIONS
DESC DATE

AUXILIARY SYMBOLS & DETAILS

E300

- ABBREVIATIONS:** AFF-ABOVE FINISHED FLOOR; CBB-COMMUNICATIONS BACKBOARD; NEC-NATIONAL ELECTRICAL CODE; RT-RAIN TIGHT; WG-WIRE GUARD; WP-WEATHERPROOF
- 1 WALL COMMUNICATION OUTLET, 18" AFF AND WITHIN 6" FROM POWER RECEPTACLE (IF ADJACENT); 4 1/4" x 4 1/4" x 2 1/2" J-BOX WITH SINGLE GANG DEVICE COVER. SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS. 'D' (DATA) SUFFIX INDICATES DATA JACK. LEVITON #MLK-RL6 (BLUE), QUANTITY AS INDICATED, CAT6 CABLE (BLUE JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL, OUTLET FACEPLATE TO BE LEVITON 4-PORT QUICKPORT WALL PLATE (MATERIAL AND COLOR TO MATCH RECEPTACLE FACEPLATE). INSTALL BLANK KEYSTONES (COLOR TO MATCH FACEPLATE) ON UNUSED PORTS. INSTALL BLANK FACEPLATES ON UNUSED COMMUNICATION OUTLETS.
 - 2 WALL COMMUNICATION OUTLET, SPECIAL HEIGHT AS PER PLAN OR AS PER ADJACENT RECEPTACLE, CONDUIT, CABLING, AND JACKS SAME AS STANDARD WALL COMMUNICATION OUTLET.
 - 3 CEILING COMMUNICATION OUTLET:
 - ACCESSIBLE CEILING LOCATIONS: SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS. BUSHINGS ON CONDUIT ENDS. 'D' SUFFIX INDICATES 10' OF COILED CAT6 CABLE (GREEN JACKET) AT LOCATION WITH LEVITON #MLK-RV6 (GREEN) CAT6 DATA JACK ON CABLE END UNLESS NOTED OTHERWISE. QUANTITY AS INDICATED. HOLES IN RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL.
 - HARD CEILING LOCATIONS: 4 1/4" x 4 1/4" x 2 1/2" J-BOX WITH SINGLE GANG DEVICE COVER. SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS. BUSHINGS ON CONDUIT END. 'D' (DATA) SUFFIX INDICATES 10' OF COILED CAT6 CABLE (GREEN JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL, OUTLET FACEPLATE TO BE LEVITON 2-PORT QUICKPORT WALL PLATE (COLOR TO MATCH CEILING). INSTALL BLANK KEYSTONES (COLOR TO MATCH FACEPLATE) ON UNUSED PORTS. INSTALL BLANK FACEPLATES ON UNUSED COMMUNICATION OUTLETS.
 - 4 MULTI-SERVICE FLOOR OUTLET, SEE ELECTRICAL SYMBOLS (E), FOR FLOOR BOX SPECIFICATION AND CONDUIT REQUIREMENTS. COORDINATE WITH CORRESPONDING POWER WIRING PLAN. 'D' (DATA) SUFFIX INDICATES DATA JACK. LEVITON #MLK-RL6 (BLUE), QUANTITY AS INDICATED, CAT6 CABLE (BLUE JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL. INSTALL KEYSTONES IN DESIGNATED INSERT, QUANTITY AS REQUIRED, COLOR TO MATCH RECEPTACLE.
 - 5 FUTURE CAMERA LOCATION, MOUNTING AS FOLLOWS: NO SUFFIX - CEILING, 'W' - ACCESSIBLE CEILING LOCATIONS: SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS. BUSHINGS ON CONDUIT ENDS. 'D' SUFFIX INDICATES 10' OF COILED CAT6 CABLE (ORANGE JACKET) AT LOCATION WITH LEVITON #MLK-R06 (ORANGE) CAT6 RJ45 NETWORK CONNECTOR ON CABLE END, QUANTITY AS INDICATED. HOME RUN TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL.
 - 6 WALL MOUNTED AND HARD CEILING LOCATIONS: 4 1/4" x 4 1/4" x 2 1/2" J-BOX WITH SINGLE GANG DEVICE COVER. SEE 'AUXILIARY CONDUIT DIAGRAM' FOR CONDUIT REQUIREMENTS. BUSHINGS ON CONDUIT END. 'D' SUFFIX INDICATES 10' OF CAT6 CABLE (ORANGE JACKET) AT LOCATION WITH LEVITON #MLK-R06 (ORANGE) CAT6 RJ45 NETWORK CONNECTOR ON CABLE END, QUANTITY AS INDICATED. HOME RUN TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL.
 - 7 WALL OUTLET FOR ACCESS CONTROL SWITCHING DEVICE, SEE 'ACCESS CONTROL DETAIL' FOR ADDITIONAL INFORMATION.
 - 8 WALL OUTLET FOR VIDEO INTERCOM STATION (BY OTHERS), SEE 'ACCESS CONTROL DETAIL' FOR ADDITIONAL INFORMATION.
 - 9 2X2" LAY-IN CEILING SPEAKER COMPATIBLE WITH EXISTING SYSTEM, SUPPORT SPEAKER AT ALL FOUR (4) CORNERS INDEPENDENT OF CEILING GRID. 18/2 SPEAKER AUDIO CABLE IN 3/4" DIA. DAISY CHAIN SPEAKERS WITHIN RESPECTIVE ZONING ZONE. ROUTE CONDUIT SUCH THAT CONDUIT/CABLE RUN IS MINIMIZED.
 - 10 WALL MOUNTED PAGING HORN COMPATIBLE WITH EXISTING SYSTEM, HEIGHT AS INDICATED ON PLAN. 18/2 SPEAKER AUDIO CABLE IN 3/4" DIA. DAISY CHAIN SPEAKERS WITHIN RESPECTIVE ZONING ZONE. ROUTE CONDUIT SUCH THAT CONDUIT/CABLE RUN IS MINIMIZED.
- FIRE ALARM SYMBOLS**
- 1 FIRE ALARM PANEL, GAMBUELL-FCI E3 SERIES EMERGENCY VOICE EVACUATION SYSTEM W/ LCD TOUCHSCREEN DISPLAY, 8 1/2" x 18 1/2" x 1 1/2"
 - 2 LOCAL OPERATING CONSOLE, GAMBUELL-FCI E3 SERIES LOC W/ PAGING MICROPHONE AND GAMBUELL-FCI #100-0509 NETWORK GRAPHIC ANNUNCIATOR, 18" x 18" x 1 1/2"
 - 3 NOTIFICATION APPLIANCE CIRCUIT (NAC) EXTENDER PANEL, GAMBUELL-FCI #11111 (AMPERAGE AS REQUIRED), SURFACE MOUNT
 - 4 AUDIO AMPLIFIER, GAMBUELL-FCI #M-150, QUANTITY AS REQUIRED, INSTALL IN GAMBUELL-FCI #M-150 CABINET, SIZE AS REQUIRED
 - 5 FIRE ALARM DOCUMENT BOX, GAMBUELL-FCI #M-150, SURFACE MOUNT, STORE PROJECT DOCUMENTS AS REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ)
 - 6 CEILING OUTLET, SMOKE DETECTOR, GAMBUELL-FCI #SD-1FL3 (PHOTOELECTRIC) W/ GAMBUELL-FCI #3300-6 FLANGED MOUNTING BASE
 - 7 CEILING OUTLET, HEAT DETECTOR, GAMBUELL-FCI #TD-1LR (135°F AND 157°MIN RATE-OF-RISE) W/ GAMBUELL-FCI #3300-6 FLANGED MOUNTING BASE
 - 8 FULL STATION, 80PH-FLUSH, DOUBLE-ACTION, ADDRESSABLE, GAMBUELL-FCI #S-1AF, 46" AFF, IFC SUBSCRIPT INDICATES CLEAR PROTECTIVE COVER WITHOUT ALARM, 8"11 STOPPER II OR EQUAL
 - 9 WALL OUTLET, AUDIBLE VISUAL NOTIFICATION APPLIANCE SYSTEM SENSOR #SP5UL-CLR-ALERT, SPEAKER WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 11-4" AFF, IS CANDELA OR AS INDICATED BY SUBSCRIPT, 1/4" OR AS INDICATED BY SUBSCRIPT
 - 10 WALL OUTLET, VISUAL NOTIFICATION APPLIANCE SYSTEM SENSOR #ML-CLR-ALERT, WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 11-4" AFF, IS CANDELA OR AS INDICATED BY SUBSCRIPT, 1/4" OR AS INDICATED BY SUBSCRIPT
 - 11 CEILING OUTLET, AUDIBLE VISUAL NOTIFICATION APPLIANCE SYSTEM SENSOR #SP5UL-CLR-ALERT, SPEAKER WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 11-4" AFF, IS CANDELA OR AS INDICATED BY SUBSCRIPT, 1/4" OR AS INDICATED BY SUBSCRIPT
 - 12 CEILING OUTLET, VISUAL NOTIFICATION APPLIANCE SYSTEM SENSOR #ML-CLR-ALERT, WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 11-4" AFF, IS CANDELA OR AS INDICATED BY SUBSCRIPT, 1/4" OR AS INDICATED BY SUBSCRIPT
 - 13 FIRE ALARM BELL, 24VDC, SYSTEM SENSOR 58P74-6 W/ NBS WEATHERPROOF BACKBOX, 6" DIAMETER SURFACE MOUNT, 11-4" AFF, BELL SHALL SOUND ON SPRINKLER WATER FLOW ONLY
 - 14 ADDRESSABLE MONITOR MODULE, GAMBUELL-FCI #M-1-4F
 - 15 IN-BUILDING 2-WAY EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEM BI-DIRECTIONAL AMPLIFIER (BDA) SYSTEM TO BE MANUFACTURED BY FIFLEX OR APPROVED EQUAL, COORDINATE FREQUENCY REQUIREMENTS WITH THE AHJ. SYSTEM TO BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - 16 BI-DIRECTIONAL AMPLIFIER (BDA) BATTERY BACKUP UNIT W/ BUILT-IN ANNUNCIATOR UNIT TO BE MANUFACTURED BY FIFLEX OR APPROVED EQUAL, UNIT TO BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - 17 BI-DIRECTIONAL AMPLIFIER DONOR ANTENNA, ANTENNA TO BE MANUFACTURED BY FIFLEX OR APPROVED EQUAL, COORDINATE FREQUENCY REQUIREMENTS WITH THE AHJ, CABLE TO BE INSTALLED IN 1/2" CONDUIT BACK TO BDA
 - 18 BI-DIRECTIONAL AMPLIFIER INDOOR DAB ANTENNA, ANTENNA TO BE MANUFACTURED BY FIFLEX OR APPROVED EQUAL, COORDINATE FREQUENCY REQUIREMENTS WITH THE AHJ, INSTALL ABOVE ACCESSIBLE CEILING

- GENERAL**
- ALL HEIGHTS ARE CENTERLINE UNLESS NOTED OTHERWISE
 - INSTALL FIRESTOPPING IN ALL PENETRATIONS OF FIRE-RATED WALLS OR CEILING USING APPROVED FIRESTOPPING MATERIALS AND METHODS IN ORDER TO MAINTAIN FIRE-RATING INTEGRITY
 - ALL CONDUIT INDICATED TO STUB TO ABOVE ACCESSIBLE CEILING SHALL EXTEND A MINIMUM OF 6" ABOVE THE ACCESSIBLE CEILING.
- COMMUNICATIONS**
- CABLE COLORS SHALL BE AS FOLLOWS:
 - STANDARD DATA: BLUE
 - CAMERAS: ORANGE
 - WIRELESS ACCESS POINTS: GREEN
 - LABEL ENDS OF CABLES, FACEPLATES, & PATCH PANELS W/ CABLE IDENTIFICATION. SEE 'COMMUNICATION OUTLET LABELING FORMAT DETAIL' FOR LABELING FORMAT. ELECTRONICALLY PRINTED LABELS TO BE INSTALLED ON FACEPLATES & PATCH PANELS IN NEAT AND PROFESSIONAL MANNER
 - TELECOM RACK ELEVATIONS ARE FOR ILLUSTRATION PURPOSES ONLY. COMMUNICATIONS CONTRACTOR TO PROVIDE ACTUAL QUANTITIES OF RACK EQUIPMENT AS REQUIRED
 - COORDINATE WITH OWNER PRIOR TO INSTALLATION:
 - PATCH PANEL RACK DOWN LOCATIONS FOR CAMERAS, WAPs, AND STANDARD DATA OUTLETS.
 - RACK EQUIPMENT AND BACKBOARD-MOUNTED EQUIPMENT LOCATIONS.
- INTERCOM**
- THE EXISTING INTERCOM SYSTEM IS A VALCOM VV-2924A TALKBACK INTERCOM SYSTEM
 - THE CERTIFIED FIRE ALARM ACT REQUIRES:
 1. EVERY BUSINESS WHO INSTALLS FIRE ALARM SYSTEMS IN COMMERCIAL OCCUPANCIES MUST BE LICENSED THROUGH THE STATE OF ALABAMA FIRE MARSHAL'S OFFICE AS A CERTIFIED FIRE ALARM CONTRACTOR. THE CONTRACTOR MUST HAVE A NICET LEVEL III TECHNICIAN IN A POSITION OF RESPONSIBILITY. THE LICENSE WILL BE ISSUED IN THE NAME OF THE CERTIFICATE HOLDER AND THE CONTRACTOR.
 2. TECHNICIANS WORKING FOR THE CERTIFIED CONTRACTOR MUST HOLD A CURRENT NICET LEVEL II, OR EQUIVALENT, CERTIFICATION. THE FIRE ALARM SPECIFICATION SHALL REQUIRE CONTRACTORS BIDDING ON FIRE ALARM WORK TO SHOW EVIDENCE AT THE PRE-BID CONFERENCE THAT HE/SHE MEETS THE CERTIFICATION REQUIREMENTS OF THE ACT AND HOLDS A PERMIT ISSUED BY THE STATE FIRE MARSHAL.
 - THE FIRE ALARM SYSTEM WORK SHALL BE PERFORMED AS PER NFPA 72 (2019) 104 AND 105.2. THE SYSTEM IS TO BE CERTIFIED UPON COMPLETION OF WORK AND A RECORD OF COMPLETION SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 72 (2019) PER IFC (2021) 907.1.2
 - SMOKE AND HEAT DETECTORS SHALL NOT BE INSTALLED IN A DIRECT AIRFLOW OR CLOSER THAN 36" FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING (NFPA 72 (2019) 11.4.1). COORDINATE WITH HVAC.
 - THE FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72 (2019) (FC 2021) 907.6.6.
 - ALL NOTIFICATION APPLIANCES SHALL BE LOCATED AS INDICATED ON THE PLANS. THE FIRE ALARM CONTRACTOR SHALL NOT RELOCATE ANY DEVICES (INCLUDING RELOCATING A WALL MOUNTED DEVICE TO THE CEILING OR VICE VERSA) WITHOUT CONSULTING THE ENGINEER.
 - ALL INITIATING DEVICES SHALL BE PHYSICALLY LABELED USING MACHINE-PRINTED, ADHESIVE LABELS (WHITE BACKGROUND W/ BLACK TEXT). LABELS SHALL INDICATE DEVICE ADDRESS AS PROGRAMMED IN THE FIRE ALARM PANEL.
 - EACH INTERBUILDING CIRCUIT SHALL BE PROTECTED BY A LISTED PRIMARY PROTECTOR AT EACH END OF THE INTERBUILDING CIRCUIT.
 - INSTALL RED CIRCUIT BREAKER LOCKS ON ALL CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT. SPACE AGE ELECTRONICS' RED-FA OR EQUAL, IDENTIFY BREAKERS AS FIRE ALARM CIRCUIT.
 - THE LOCATION OF THE BRANCH CIRCUIT OVERCURRENT PROTECTIVE DEVICE (PANEL ID AND CIRCUIT NUMBER) SHALL BE PERMANENTLY IDENTIFIED ON THE FRONT OF ALL FIRE ALARM EQUIPMENT.
 - BRANCH CIRCUITS SUPPLYING FIRE ALARM EQUIPMENT SHALL SUPPLY NO OTHER LOADS AND SHALL NOT BE SUPPLIED THROUGH GROUND-Fault CIRCUIT INTERRUPTERS OR ARC-Fault CIRCUIT INTERRUPTERS.
 - ALL FIRE ALARM CABLEING SHALL BE INSTALLED IN CONDUIT. J-BOXES TO HAVE RED COVERS WITH WHITE FA LETTERS, IDENTIFY CONDUIT AS PER SPECIFICATION SECTION 260553
 - THE OPERABLE PART OF ALL MANUAL PULL STATIONS SHALL BE NO LESS THAN 42" AFF AND NO MORE THAN 48" AFF.
 - THE FIRE ALARM CONTRACTOR SHALL EMPLOY THE SERVICES OF A LICENSED PROFESSIONAL ENGINEER (LICENSED TO PRACTICE IN THE STATE OF ALABAMA) TO SUPERVISE THE DEVELOPMENT OF THE FIRE ALARM SHOP DRAWINGS. THE ENGINEER SHALL BE FAMILIAR WITH ALL ELEMENTS OF THE FIRE ALARM SYSTEM INCLUDING THOSE OF WHICH ARE PROPRIETARY TO THE SUPPLYING MANUFACTURER AND SHALL BE CAPABLE OF VERIFYING ALL INFORMATION SHOWN ON THE DRAWINGS. THE ENGINEER SHALL CERTIFY THE DRAWINGS BY USE OF THEIR SEAL (SIGNED AND DATED). THE SEALED SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND THE AHJ FOR REVIEW.
 - THE FIRE SYSTEMS SHALL BE BID AS FOLLOWS:
 - ** BASE BID, INITIAL SURVEY OF BUILDING AS DESCRIBED IN SPECIFICATION SECTION 260500
 - ** UNIT PRICE
 - ** INSTALLATION AND TESTING OF BDA AS PER PLANS AND SPECIFICATION SECTION 260501
 - ** THE BDA CONTRACTOR SHALL INCLUDE IN HIS/HER BID AN ALLOWANCE OF \$10,000 TO COVER ANY REQUIRED ADJUSTMENTS OF THE IN-BUILDING 2-WAY EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEM DEEMED NECESSARY BY THE FINAL ACCEPTANCE TEST.
 - THE FIRE ALARM SYSTEM SHALL MONITOR THE BI-DIRECTIONAL AMPLIFIER (BDA) AS PER IFC (2021) 910.4.2.5 AND SPECIFICATION SECTION 260501 SUPERVISORY SIGNALS SHALL ANNUNCIATE AT THE FIRE ALARM PANEL AND ALL REMOTE ANNUNCIATOR PANELS.

- 3A-A-12**
- TELECOM EQUIPMENT RACK DESIGNATION: 3A
PATCH PANEL PORT NUMBER: A-12
- COMMUNICATION OUTLET LABELING FORMAT DETAIL**
NO SCALE
-
- 6 ACCESS CONTROL DETAIL**
NO SCALE
-
- 7 AUXILIARY CONDUIT DIAGRAM**
NO SCALE
- | J-BOX DIMENSIONS | HR CONDUIT SIZE | # OF OUTLETS SERVED |
|--------------------------|-----------------|---------------------|
| 4 1/4" x 4 1/4" x 2 1/2" | 1" | 1 |
| 4 1/4" x 4 1/4" x 2 1/2" | 1 1/4" | 2 |
| 8" x 8" x 4" | 1 1/2" | 3 |
| 12" x 12" x 4" | 2" | 4 |
| 12" x 12" x 4" | 2 1/2" | 5 |
- 8 AUXILIARY SYMBOLS LIST**
NO SCALE
- 9 GENERAL AUXILIARY NOTES**
NO SCALE
- 10 AUXILIARY RISER DIAGRAM**
NO SCALE
-
- 11 TELECOM EQUIPMENT RACK 2A ELEVATION**
NO SCALE
-
- 12 TELECOM EQUIPMENT RACK 1A ELEVATION**
NO SCALE
-

- 1 INCLUDE 500' OF CONDUIT AND CABLEING FOR ROUTING WITHIN EXISTING BUILDING. TERMINATION POINTS TO BE DETERMINED DURING CONSTRUCTION. TERMINATE FIBER CABLE FOR DATA WITH 'ST' CONNECTORS ON RACK MOUNTED FIBER PATCH PANELS. TERMINATE COPPER CABLES ON DEDICATED CARBON PROTECTED TERMINAL BLOCKS ON COMMUNICATION BACKBOARD FOR INTERCOM SYSTEM EQUIPMENT**
- 2 (1) 12 STRAND, MULTI-MODE, 62.5 MICRON OM3, INDOOR / OUTDOOR TIGHT BUFFER FIBER IN 2" C, FOR DATA, GENERAL CABLE #C0261ANRKB OR EQUAL (2) 25 PAIR (24 PAIR AUG) CAT 3 FLEXTM COPPER CABLE IN 2" C, FOR INTERCOM SYSTEM, GENERAL CABLE #13B29.99 OR EQUAL (3) 2" SPARE CONDUIT FOR FIRE ALARM CABLEING. INSTALL BUSHINGS ON ALL CONDUIT ENDS**
- 3 (1) 12 STRAND, MULTI-MODE, 62.5 MICRON OM3, INDOOR / OUTDOOR TIGHT BUFFER FIBER IN 2" C, FOR DATA, GENERAL CABLE #C0261ANRKB OR EQUAL (2) 25 PAIR (24 PAIR AUG) CAT 3 FLEXTM COPPER CABLE IN 2" C, FOR INTERCOM SYSTEM, GENERAL CABLE #13B29.99 OR EQUAL (3) 2" SPARE CONDUITS FOR FIRE ALARM CABLEING AND OTHER AUXILIARY SYSTEMS. INSTALL BUSHINGS ON ALL CONDUIT ENDS**
- 4 INDOOR BUILDING ENTRANCE TERMINAL (BET) 110/110 CONNECTOR, CIRCAMAX #8802CAI-25 OR APPROVED EQUAL, TERMINATE PAGING SYSTEM COPPER CABLEING ON 110 BLOCKS PROVIDED, FURNISH AND INSTALL CIRCAMAX #4819-300 3 PIN SOLID STATE SURGE PROTECTION MODULES, INSTALL 1/2" INSULATED (GREEN) GROUNDING CONDUCTOR FROM RESPECTIVE TELECOMMUNICATIONS GROUNDING BUSBAR TO BET GROUND LUGS (INSTALL IN 1/2" C, IF NOT LOCATED WITHIN THE SAME SPACE AS THE GROUNDING BUSBAR), INTERRUPT OSP CABLE SHIELD AS REQUIRED BY NEC 800.93, LOCATE BET AS CLOSE AS PRACTICAL TO CABLE ENTRANCE, OSP CABLEING NOT TO EXCEED 50' WITHIN BUILDING.**
- 5 (1) 12 STRAND, MULTI-MODE, 62.5 MICRON OM3, INDOOR / OUTDOOR TIGHT BUFFER FIBER IN 2" C, FOR DATA, GENERAL CABLE #C0261ANRKB OR EQUAL (2) 25 PAIR (24 PAIR AUG) CAT 3 FLEXTM COPPER CABLE IN 2" C, FOR INTERCOM SYSTEM, GENERAL CABLE #13B29.99 OR EQUAL (3) 2" SPARE CONDUITS FOR FIRE ALARM CABLEING AND OTHER AUXILIARY SYSTEMS. INSTALL BUSHINGS ON ALL CONDUIT ENDS**
- 6 (1) 12 STRAND, MULTI-MODE, 62.5 MICRON OM3, INDOOR / OUTDOOR TIGHT BUFFER FIBER IN 2" C, FOR DATA, GENERAL CABLE #C0261ANRKB OR EQUAL (2) 25 PAIR (24 PAIR AUG) CAT 3 FLEXTM COPPER CABLE IN 2" C, FOR INTERCOM SYSTEM, GENERAL CABLE #13B29.99 OR EQUAL (3) 2" SPARE CONDUITS FOR FIRE ALARM CABLEING AND OTHER AUXILIARY SYSTEMS. INSTALL BUSHINGS ON ALL CONDUIT ENDS**
- 7 TERMINATE FIBER CABLE FOR DATA WITH 'ST' CONNECTORS ON RACK MOUNTED FIBER PATCH PANELS, AND TERMINATE COPPER CABLES ON DEDICATED CARBON PROTECTED TERMINAL BLOCKS ON COMMUNICATION BACKBOARD FOR INTERCOM SYSTEM EQUIPMENT**
- 8 CONNECT TO GROUNDING ELECTRODE**
- 9 INSTALL A DEDICATED 1/2" BONDING CONDUCTOR FROM ALL RACKS, ENCLOSURES, CABLE TRAYS, AND STRUCTURAL STEEL (CONNECT TO VERTICAL COLUMNS IF WITHIN SAME SPACE) TO THEIR RESPECTIVE GROUNDING BUSBAR**
- 10 TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB), COPPER, 12" Lx4" Hx1/4" W WITH PRE-DRILLED HOLES FOR USE WITH STANDARD 2-HOLE LUGS AND INSULATING STAND-OFF MOUNT PROVIDING A MINIMUM OF 2" SEPARATION FROM WALL, MOUNT 18" AFF NEAR RESPECTIVE DATA RACK**
- 11 TELECOMMUNICATIONS GROUNDING BUSBAR (TGB), COPPER, 12" Lx2" Hx1/4" W WITH PRE-DRILLED HOLES FOR USE WITH STANDARD 2-HOLE LUGS AND INSULATING STAND-OFF MOUNT PROVIDING A MINIMUM OF 2" SEPARATION FROM WALL, MOUNT 18" AFF NEAR RESPECTIVE DATA RACK**
- 12 3/8" INSULATED (GREEN) GROUNDING CONDUCTOR IN 2" C, INSTALL 1/2" BONDING JUMPER AT GROUNDING BUSBAR**
- NOTE: EACH TELECOMMUNICATIONS BONDING CONDUCTOR SHALL BE LABELED, LABELS SHALL BE LOCATED ON CONDUCTORS AS CLOSE AS PRACTICAL TO THEIR POINT OF TERMINATION IN A READABLE POSITION, SHALL BE NON-ETALLIC, AND SHALL INCLUDE THE FOLLOWING INFORMATION: "IF THIS CONDUCTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER"

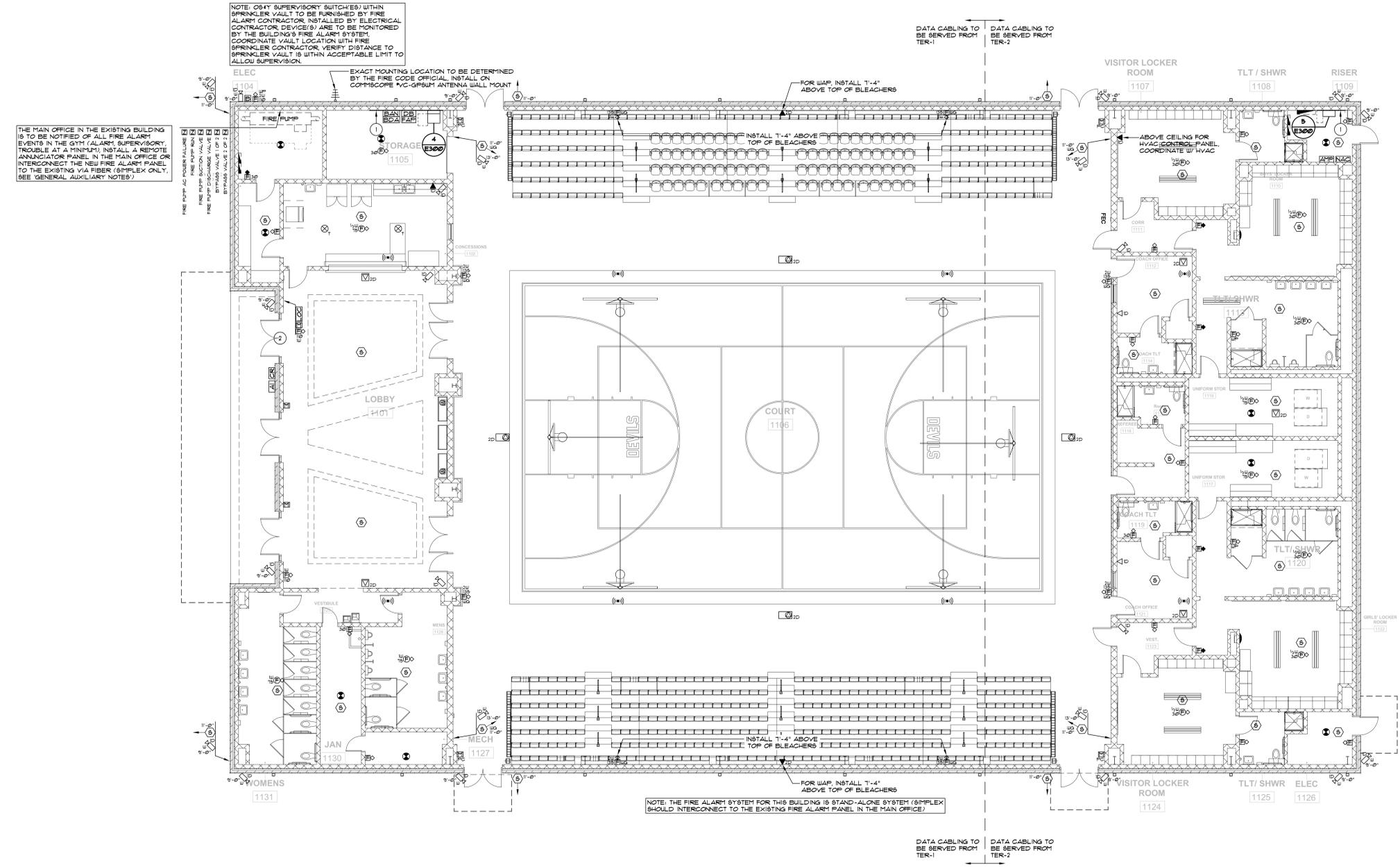
- 1 LEVITON #5RUM-603 RACK MOUNT FIBER ENCLOSURE, LEVITON #5F60-6MT ADAPTER PLATES (5T M15) 6-FIBER AS REQUIRED, INSTALL LEVITON #5F60-PLT BLANK ADAPTER PLATES ON UNUSED PORTS**
- 2 LEVITON #49255-H24 24 PORT PATCH PANEL W/ LEVITON ATLAS XI JACKS AS REQUIRED (JACK TYPE AND COLOR TO MATCH OUTLET SERVED)**
- 3 VERTICALLY-ORIENTED WALL MOUNT ENCLOSURE, HOFFMAN #DL242425 (6RU) OR EQUAL W/ #DBDXR 15A DUPLEX OUTLET KIT**
- NOTES:**
- VERIFY RACK EQUIPMENT LOCATIONS WITH OWNER PRIOR TO INSTALLATION.
 - TELECOM RACK ELEVATION IS FOR ILLUSTRATION PURPOSES ONLY. COMMUNICATIONS CONTRACTOR TO PROVIDE ACTUAL QUANTITIES OF RACK EQUIPMENT AS REQUIRED.
 - NO MORE THAN TWO (2) 24 PORT PATCH PANELS
 - CONTRACTOR SHALL PROVIDE A 12" PATCH CORD FOR EACH PATCH PANEL. TERMINATION COLOR TO MATCH JACK COLOR.
 - ALL CABLEING SHALL BE INSTALLED IN A NEAT AN PROFESSIONAL MANNER
- 5 TELECOM EQUIPMENT RACK 2A ELEVATION**
NO SCALE
-
- 6 TELECOM EQUIPMENT RACK 1A ELEVATION**
NO SCALE
-

- 1 COMMUNICATION BACKBOARD (CBS): INSTALL 1/2" VOID FREE PLYWOOD UP TO 8'-0" ALONG THIS WALL. PLYWOOD SHEETS TO BE AC-GRADE MOUNTED VERTICALLY WITH THE 'A' SIDE FACING OUTWARD AND THE 'C' SIDE SECURELY FASTENED TO THE WALL. PLYWOOD SHEETS TO BE PAINTED WITH TWO (2) COATS OF LIGHT GRAY ENAMEL, FIRE-RETARDANT PAINT ON BOTH SIDES AND EDGES.
- 2 ACCESS CONTROL LOCATION, SEE 'ACCESS CONTROL DETAIL'
- 2 SPECIFIC NOTES
NO SCALE



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1 GYMNASIUM - AUXILIARY PLAN
1/8" = 1'-0"

CHILTON CO. VERBENA HS GYM
CHILTON COUNTY BOARD OF EDUCATION
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BID DOCUMENTS		
DATE:	01/08/26	
PROJ NO:	25-032	
REVISIONS		
#	DESC	DATE
AUXILIARY PLAN		
E301		