MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION

1256 ALABAMA HIGHWAY 139, MAPLESVILLE, ALABAMA 36750
CHILTON COUNTY BOARD OF EDUCATION

BID SET

ISSUE DATE: 11/16/26

DCM# 2026592
WSM# 26-037

STANDARD ABBREVIATIONS

STANDARD ABBREVIATIONS:

ABI - AMERICAN BRICK INSTITUTE
AC-PNL - ACOUSTICAL PANEL
AFF - ABOVE FINISH FLOOR
ALUM - ALUMINUM
BR - BACKER-ROD
BLKG - BLOCKING
BD - BOARD
BTM - BOTTOM
BLDG - BUILDING
BRZ - BRONZE
CAB - CABINET
CFAW - COLD FLUID APPLIED WATERPROOFING
CLG - CEILING
CLR - -CLEAR
CT - CERAMIC TILE
COL - COLUMN
CONC - CONCRETE
CMU - CONCRETE MASONRY UNIT
CONST - CONSTRUCTION
CPT - CARPET
CJ - CONTROL JOINT
DETL - DETAIL
DS - DOWNSPOUT
EA - EACH
EW - EACH WAY
EWC - ELECTRICAL WATER COOLER
EJ - EXPANSION JOINT
EXT - EXTERIOR
EXIST - EXISTING
FAMAB - FLUID APPLIED MEMBRANE AIR BARRIER
FIN - FINISH
FEC - FIRE EXTINGUISHER AND CABINET
FEWM- FIRE EXTINGUISHER-WALL MOUNTED
FE - FIRE EXTINGUISHER
FLR - FLOOR
FD - FLOOR DRAIN
GALV - GALVANIZED
GA - GAUGE
GWB - GYPSUM WALL BOARD
HT - HEIGHT
HM - HOLLOW METAL
HOR - HORIZONTAL
INSUL - INSULATION
INT - INTERIOR
MFR - MANUFACTURER
MTL - METAL
MIN - MINIMUM
MAX - MAXIMUM
NIC - NOT IN CONTRACT
NTS - NOT TO SCALE
OC - ON CENTER
OPNG - OPENING
OH - OVERHEAD
PTD - PAINTED
PLAM - PLASTIC LAMINATE
PL - PROPERTY LINE
PLMG - PLUMBING
PLYWD - PLYWOOD
R - RADIUS
RB - RUBBER BASE
REC - RECEPTACLE
REINF - REINFORCED (ING)
RD - ROOF DRAIN
RM - ROOM
RO - ROUGH OPENING
SCHED - SCHEDULED
SECT - SECTION
SIM - SIMILAR SPEC - SPECIFICATION
SS - SANITARY SEWER
STD - STANDARD
STRUCT - STRUCTURAL
THK - THICK (NESS)
TOC - TOP OF CURB
TOS - TOP OF STEEL
TOW - TOP OF WALL
TYP - TYPICAL
VERT - VERTICAL
VCT - VINYL COMP. TILE
VTR - VENT THRU ROOF
VWC - VINYL WALL COVERING
WP - WATERPROOFING
WF - WIDE FLANGE
W/ - WITH
W/O - WITHOUT
WD - WOOD
WWF - WELDED WIRE FABRIC
WIN - WINDOW
UNO - UNLESS NOTED OTHERWISE

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PROJECT TEAM

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WARD SCOTT ARCHITECTURE, INC.
1606 PAUL BRYANT DRIVE
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(205) 345-6110

CIVIL ENGINEER
DUNCAN COKER ASSOCIATES, P.C.
302 MERCHANTS WALK, SUITE 250
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MBA ENGINEERS, INC.
300 20TH ST N #100
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ELECTRICAL, MECHANICAL & PLUMBING ENGINEER
SMITH, STEGALL & ASSOCIATES
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PEER REVIEW CONSULTANTS
STRUCTURAL - MAK ENGINEERING
ARCHITECTURAL - JJB ARCHITECT
MECH./PLUM./ELEC. - WATFORD ENGINEERING

SHEET NUMBER SYSTEM

DISCIPLINE DESIGNATOR
G-GENERAL
C-CIVIL
L-LANDSCAPE
S-STRUCTURAL
AC-ARCHITECTURAL SITE
A-ARCHITECTURAL
I-INTERIORS
FP-FIRE PROTECTION
P-PLUMBING
M-MECHANICAL
E-ELECTRICAL
AV-AUDIO-VISUAL
T-DATA/TELECOMMUNICATIONS

A121

PLAN VIEWS
DIVISION + FLOOR LEVEL
OTHER VIEWS
DRAWING SEQUENCE

DRAWING TYPE DESIGNATOR
0 GEN. INFO., SCHEDULES, & NOTES
1 FLOOR PLANS
2 EXTERIOR ELEVATIONS
3 SECTIONS AND DETAILS
4 INTERIOR ELEV. & DETAILS
5 REFLECTED CEILING PLANS
6 FLOOR COVERING PATTERNS AND DETAILS

VICINITY MAP



WARD|SCOTT|MORRIS
ARCHITECTURE
TUSCALOOSA | HUNTSVILLE
1606 PAUL W. BRYANT DRIVE TUSCALOOSA, ALABAMA 35401
www.wardscottmorris.com

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STATE OF ALABAMA
JORDAN C MURPHY
7084
REGISTERED ARCHITECT

BID SET

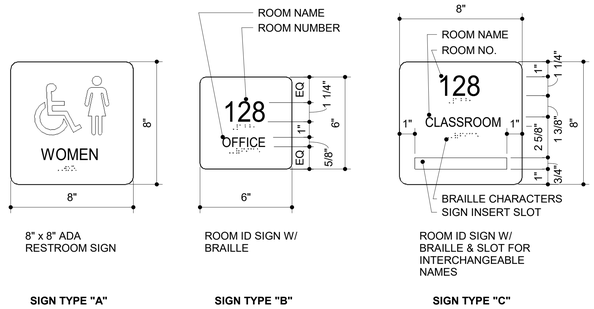
DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

COVER SHEET

G101



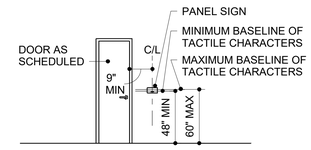
8" x 8" ADA RESTROOM SIGN

ROOM ID SIGN W/ BRAILLE

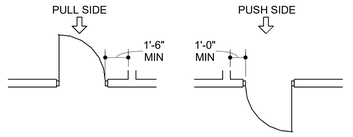
ROOM ID SIGN W/ BRAILLE & SLOT FOR INTERCHANGEABLE NAMES

SIGN TYPE "A" **SIGN TYPE "B"** **SIGN TYPE "C"**

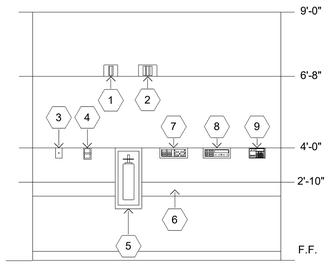
3 SIGNAGE ELEVATION
3" = 1'-0"



2 SIGNAGE LOCATION
1/4" = 1'-0"



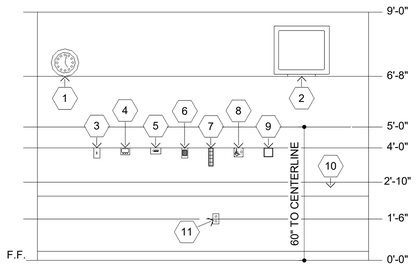
1 ADA DOOR SWING CLEARANCES
1/4" = 1'-0"



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*

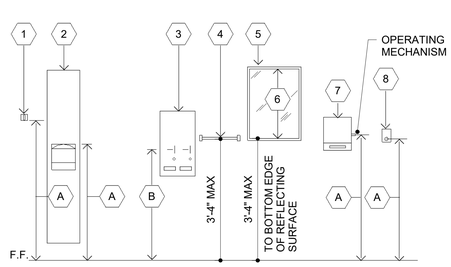
*IF OVER 3'-0" HIGH CASEWORK AND COUNTERS, ADJUST HEIGHT TO 4'-4" AFF, TO THE TOP OF TRIM.

FIRE PROTECTION MOUNTING HEIGHTS



1. 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

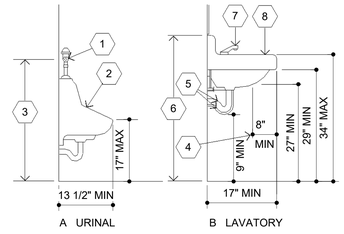


FOR ACCESSORY LOCATION AND TYPE SEE FLOOR PLAN

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.
6. TOWEL DISPENSER
7. SOAP DISPENSER

A. DIMENSION = 48" MAX.
B. DIMENSION = 3'-4" TO COIN SLOT OR HIGHEST OPERATOR

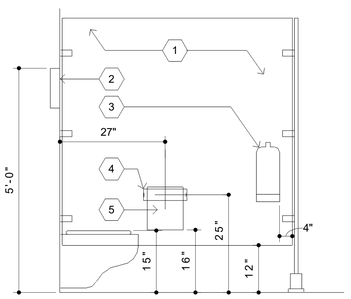
TYP. TOILET ACC. MOUNTING HEIGHTS



ACCESSIBLE MOUNTING HEIGHTS

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, PREFORMED 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.

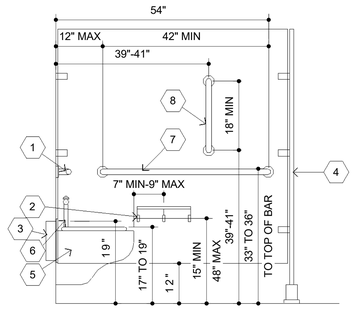
TOILET FIXTURE MOUNTING HEIGHTS



ELEVATION OF TOILET STALL

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

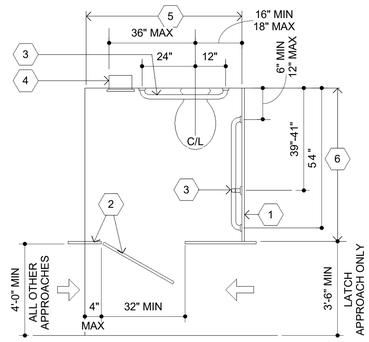
STANDARD STALL MOUNTING HEIGHTS



ELEVATION OF ACCESSIBLE TOILET STALL

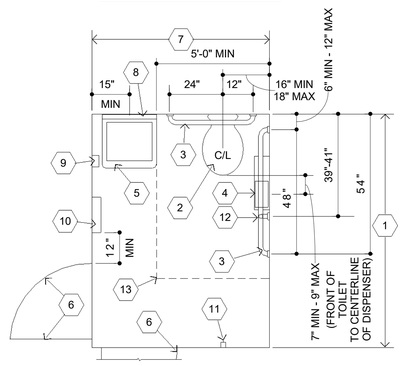
1. GRAB BAR ON BACK WALL
2. TOILET PAPER DISPENSER ON SIDE NEAREST TOILET
3. RECESSED SANITARY RECEPTACLE. LOCATE ADJACENT TO TOILET OF ALL WOMEN'S & UNDESIG. PUBLIC TOILETS, WILL BE SHOWN ON FLOOR PLAN IF REQUIRED
4. FOR TOILET STALL PARTITION TYPE OR STYLE, I.E. CEILING HUNG OR FLOOR MOUNTED, SEE PLANS
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. 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. 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 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"

1 NOTE REFERENCE SEE "REFERENCE NOTES" ON EACH SHEET

1 DRAWING REVISION

ROOM NAME
1101
ROOM NAME AND NUMBER
SEQUENCE
DIVISION
FLOOR LEVEL

101A 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 X 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
12" = 1'-0"

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STATE OF ALABAMA
JORDAN C MORRIS
7084
REGISTERED ARCHITECT

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DATE: 11/16/26
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GENERAL INFORMATION

G102

CODE COMPLIANCE TABLE

PROJECT: Maplesville High School - Classroom Addition

APPLICABLE CODES AND STANDARDS

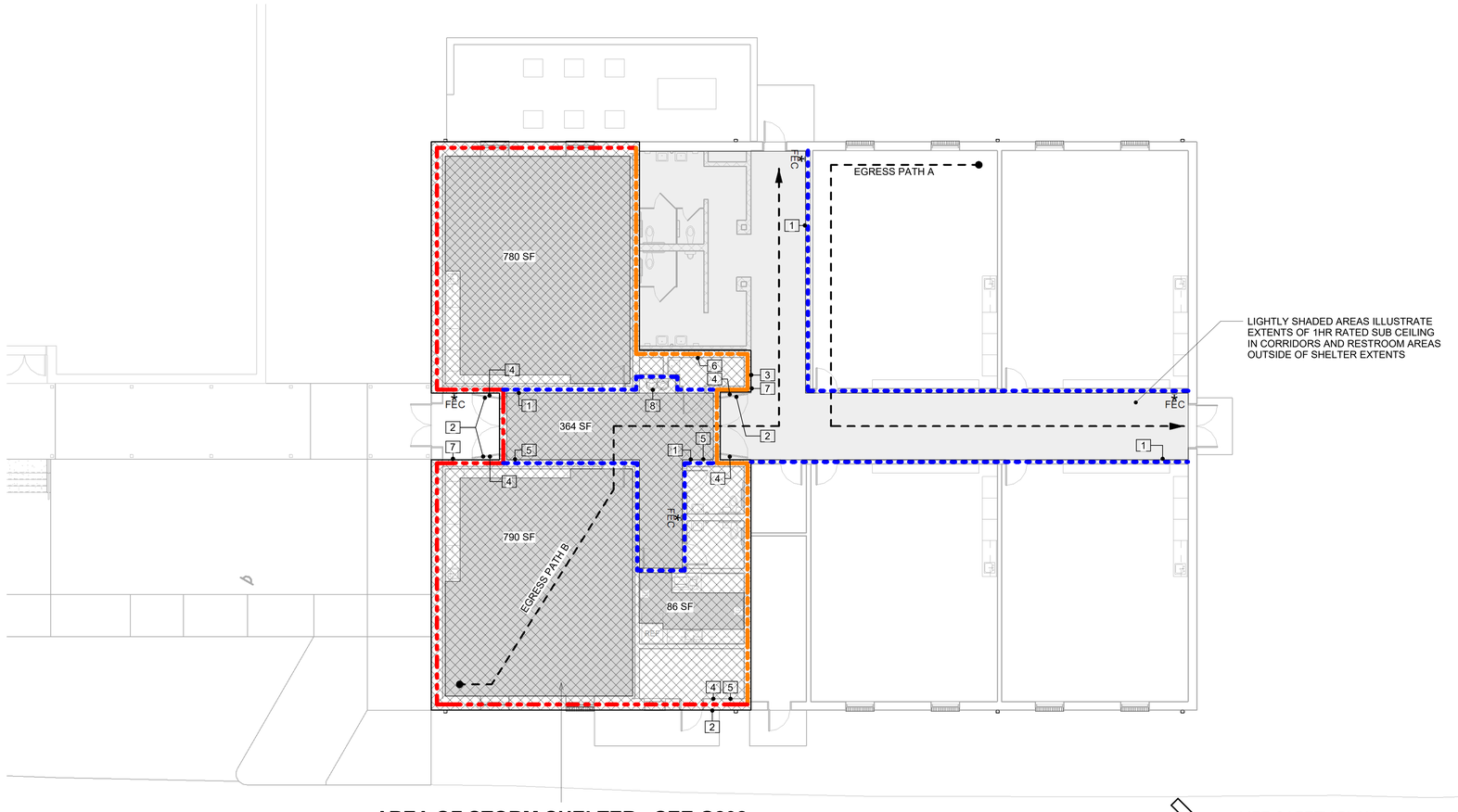
CODES ADOPTED BY THE ALABAMA BUILDING COMMISSION

INTERNATIONAL BUILDING CODE	2021 EDITION	
INTERNATIONAL EXISTING 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	Supercedes accessibility requirements in IBC and ANSI A117.1	
ICC/NSSA 500 DESIGN & CONSTRUCTION OF STORM SHELTERS	2020 ICC 500	
2019 NATIONAL FIRE ALARM AND SIGNALING CODE	NFPA 72	

DESIGN COMPONENTS	CODE APPLICATION		CODE REFERENCES AND NOTES
	DESCRIPTION	VALUE	
USE AND OCCUPANCY CLASSIFICATION			
PRIMARY OCCUPANCY	EDUCATION GROUP E		IBC 305.1
SPECIAL REQUIREMENTS	STORM SHELTER REQUIRED		IBC 423.5
PROJECT LOCATION	WIND SPEED FOR TORNADOES	250 MPH	IBC FIG 304.2(1)
SHELTER OCCUPANT LOAD	GENERAL CLASSROOM INSTRUCTION	20SF/PERS	
MAX TRAVEL TO SHELTER DOORS	MAXIMUM TRAVEL DISTANCE TO SHELTER DOORS FROM EXITS FROM THE BUILDING SERVED ARE LESS THAN 1,000'.		IBC 423.5.2
TYPE OF CONSTRUCTION			IBC 602
EXISTING BUILDINGS	II-B, NS		
NEW ADDITION	**II-B, NS**		NS - SEE 903.2.3 : <300 OCC & < 12,000 SF
HEIGHT RESTRICTIONS	APPLIES TO ALL BUILDINGS		IBC 504
TABULAR HEIGHT ALLOWED	VALUE W/ SPRINKLER	N/A	NS PER 903.2.3 / IBC TABLE 504.3
TOTAL STORIES ALLOWED	TABLULAR VALUE	2	IBC TABLE 504.4
ACTUAL NO. OF STORIES		**1**	NO. OF STORIES IS IN COMPLIANCE
ACTUAL HEIGHT		<55 FT	HEIGHT IS IN COMPLIANCE
AREA RESTRICTIONS	APPLIES TO ALL BUILDINGS		IBC 506
BUILDING AREA	NEW AREA		
TABULAR AREA ALLOWED	VALUE (NS) = FRONTAGE PER IBC 506.2.1	14,500	IBC TABLE 506.2
TOTAL BUILDING AREA - NEW	TOTAL ACTUAL AREA - NEW	**8,640**	
MIXED OCCUPANCY SEPARATION			
GROUP E OCCUPANCY	NO SEPARATION REQUIRED		IBC 303.1.3
FIRE RESISTANCE RATINGS FOR CONSTRUCTION TYPE			
STRUCTURAL FRAME		0 HOUR	IBC TABLE 601
BEARING WALLS			
EXTERIOR	SEPARATION DISTANCE > 10'	0 HOUR	IBC TABLE 601 & 602
INTERIOR		0 HOUR	IBC TABLE 601
	AT STORM SHELTER	2 HOUR	ICC 500, 603.1 - FIRE SEPARATION
NON-BEARING WALLS AND PARTITIONS			
CORRIDOR PARTITIONS	GREATER THAN 30 OCC NON-SRKLR	1 HOUR	IBC TABLE 1020.2
EXTERIOR	SEPARATION DISTANCE > 10'	0 HOUR	IBC TABLE 602
SEP @ NEW EXTERIOR WALL NORTH OF EXISTING CLASSROOM BLDG WALL	SEPARATION DIST. > 20'<25'	0 HR / 40% MAX	IBC TABLE 705.5
INTERIOR		0 HOUR	IBC TABLE 601
	AT STORM SHELTER	2HOUR	ICC 500, 603.1 - FIRE SEPARATION
FLOOR / CEILING		0 HOUR	IBC TABLE 601
FLOOR / CEILING	AT STORM SHELTER	2 HOUR	ICC 500, 603.1 - FIRE SEPARATION
ROOF / CEILING		0 HOUR	IBC TABLE 601
ALLOWED COMBUSTIBLE MATERIAL IN TYPES I & II CONSTRUCTION	WOOD ROOF TRUSSES ALLOWED. NON COMBUSTIBLE USED	N/A	IBC 603.1.1.3
FIRE RESISTANT PROTECTIVE CONSTRUCTION REQUIREMENTS			
MAX AREA OF EXTERIOR WALL OPNGS	FIRE SEPARATION DISTANCE IN NON-SPRINKLERED BUILDING >/= 20' <25	0 HR / 40% MAX	IBC TABLE 705.5, SEE PLAN FOR COMPLIANCE
FIRE WALLS	TYPE II CONSTRUCTION	2 HR	IBC TABLE 706.4, NOTE A
	PERMITTED TO TERMINATE AT ROOF DECK W/ NO OPENINGS IN ROOF ASSEMBLY 4' EITHER SIDE		IBC 706.6, EXCEPTION 3
FIRE BARRIERS			IBC 707.1
SHAFT ENCLOSURES	LESS THAN 4 STORIES	1HR	IBC 713.1, 1023.2
STORM SHELTER	2 HOUR PROVIDED	2HR	ICC 500-2020 - 603.1
FIRE AREA SEPARATION	NOT APPLICABLE		
FIRE-RESISTANT JOINT SYSTEMS	PROVIDED TO MATCH RATING OF ASSEMBLY		IBC 715.2 & 715.3
FIRE PARTITIONS - CORRIDOR WALLS	W/O SPRINKLER SYSTEM	1 HR	IBC TABLE 1020.2
CORRIDOR DOORS		20 MIN	
SMOKE BARRIERS	NOT APPLICABLE		IBC 709
SMOKE PARTITIONS	NOT APPLICABLE		IBC 710
HORIZONTAL ASSEMBLIES	NOT APPLICABLE		IBC 711
PEDESTRIAN WALKWAYS (>10 FT LONG) CONNECTING SEPARATE STRUCTURES	CONNECTION AT EACH END MUST RESIST PASSAGE OF SMOKE	0 HR	IBC 3104.2, 3104.5.2.1, 509.4.2
PEDESTRIAN WALKWAYS CONNECTING PORTIONS OF SINGLE BUILDING	NO SPECIAL CONSTRUCTION REQUIRED	N/A	IBC 3104.2, EXCEPTION 1
OPENING PROTECTIVES			
OPENING FIRE RATING		COMPLIES	IBC FIGURE 716.3(2)
SAFETY GLAZING REQUIREMENTS	HAZARDOUS LOCATIONS	COMPLIES	IBC 2406.4
INTERIOR FINISHES			
EXIT ENCLOSURES AND PASSAGEWAYS	NON-SPRINKLERED	CLASS B	IBC TABLE 803.13 (b)
CORRIDORS	NON-SPRINKLERED	CLASS B	IBC TABLE 803.13
ROOMS AND ENCLOSED SPACES	NON-SPRINKLERED	CLASS C	IBC TABLE 803.13
FIRE PROTECTION SYSTEMS			
AUTOMATIC FIRE SPRINKLER SYSTEM	NOT REQUIRED FOR GROUP E UNDER 12000 SF AND LESS THAN 300 OCCUPANTS	NOT PROVIDED	IBC 903.2.1.2, IBC 903.2.1.3, IBC 903.2.3
PORTABLE FIRE EXTINGUISHERS	MINIMUM TYPE 2A DISTRIBUTED THROUGHOUT BUILDING	PROVIDED	IFC 906.1, TABLE 906.3(1), ICC 500 604.1 & 604.2, 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			IBC TABLE 1004.5
EDUCATIONAL (CLASSROOMS)	OCC = 5120 / 20 NSF	256	IBC TABLE 1004.5
ACCESSORY AREAS:			
STORAGE & MECH.	OCC = 554 / 300 GSF	**2**	IBC TABLE 1004.5
	TOTAL	**258**	
EXIT ACCESS STAIRWAYS AND RAMPS	N/A		IBC 1019.3, COND. 1
INTERIOR EGRESS STAIRWAYS	N/A		IBC 1023.2 & IBC 1006.3
DEAD END CORRIDORS	MAXIMUM ALLOWED, GROUP E	20 FT	IBC 1020.5
OCCUPANT LOAD FOR EGRESS			
NEW AREA		258	PERSONS
OCCUPANT LOAD FOR PLUMBING		**258**	
COMMON PATH OF TRAVEL	MAXIMUM ALLOWED	75 FT	IBC TABLE 1006.2.1
EXIT ACCESS TRAVEL DISTANCE	GROUP E / NON-SPRINKLERED	200 FT	IBC TABLE 1017.2
NUMBER OF EXITS	MINIMUM REQUIRED: 2	3 PROVIDED	IBC TABLE 1006.3.1
REQUIRED EXIT WIDTH	0.2" PER OCC.	.52	IBC 1005.3.2
ACTUAL EXIT WIDTH - LOWER LEVEL	(1) ONE SINGLE 36" WIDE DOOR + (2) TWO PAIRS OF 36" DOORS PROVIDED. INCHES =	160	IBC TABLE 1006.3.1

PLUMBING FIXTURE COUNT - NEW CLASSROOM ADDITION

	PER IBC TABLE 2902.1	REQUIRED	PROVIDED
EDUCATIONAL	**OCCUPANT LOAD =258**	**129 OCC PER GENDER**	
WATER CLOSETS FEMALE	**1:50**	**3**	**3 PROVIDED**
WATER CLOSETS MALE		**3**	**1 PROVIDED**
URINALS	**NO GREATER THAN 2/3 ALLOWED**	**0**	**2 PROVIDED**
LAVATORIES FEMALE	**1:50**	**3**	**3 PROVIDED**
LAVATORIES MALE		**3**	**3 PROVIDED**
DRINKING FOUNTAINS	**1 PER 100**	**3**	**3 PROVIDED: 2 BUBBLERS W/ 1 BOTTLE FILLER @ LOW SIDE**
SERVICE SINK	**1**	**1**	**1 PROVIDED**



AREA OF STORM SHELTER - SEE G202

NOTE: DARKER SHADED AREAS CORRESPOND TO THE OCCUPANCY AREAS IN THE SHELTER SPACE PROVISIONS TABLE ON G202

LIFE SAFETY PLAN LEGEND:

- EGRESS PATH
- * FIRE EXTINGUISHER / FIRE EXTINGUISHER CABINET
- 1 HR FIRE SEPARATION
- STORM RATED
- 2 HR FIRE SEPARATION & STORM RATED
- FAK — FIRST AID KIT

EGRESS DATA	
EXIT PATH	DISTANCE
EGRESS PATH A	107' - 2"
EGRESS PATH B	105' - 3"

REFERENCE NOTES

NUMBER	NOTE
1	SIGNAGE TYPE D, SEE G202 FOR SIGNAGE DETAILS
2	SIGNAGE TYPE G, SEE G202 FOR SIGNAGE DETAILS
3	SIGNAGE TYPE F, SEE G202 FOR SIGNAGE DETAILS
4	SIGNAGE TYPE H, SEE G202 FOR SIGNAGE DETAILS
5	SIGNAGE TYPE J, SEE G202 FOR SIGNAGE DETAILS
6	SIGNAGE TYPE K, SEE G202 FOR SIGNAGE DETAILS
7	SIGNAGE TYPE E, SEE G202 FOR SIGNAGE DETAILS
8	DRINKING FOUNTAINS, SEE SPECS

GENERAL NOTES:

1. CORRIDORS AND RESTROOM AREAS OUTSIDE OF SHELTER EXTENTS ARE TO RECEIVE A 1HR RATED SUB-CEILING ATTACHED TO THE BOTTOM OF THE TRUSSES (UL#-P564).
2. PROVIDE A TYPE "D" SIGN ADJACENT TO THE MAIN SCHOOL ENTRY AT THE FRONT OFFICE. COORDINATE WITH OWNER/ARCHITECT FOR LOCATION.

N

1 LIFE SAFETY PLAN
1/8" = 1'-0"

4'-0" 16'-0"
0" 8'-0" 32'-0"

WARD|SCOTT|MORRIS
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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY139, MAPLESVILLE, ALABAMA 36750

STATE OF ALABAMA — JORDAN C MORRIS — 7084 — REGISTERED ARCHITECT

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

LIFE SAFETY PLAN

G201

ICC 500 REQUIREMENTS

PROJECT: MAPLESVILLE HIGH SCHOOL - 6 CLASSROOM ADDITION

APPLICABLE CODES AND STANDARDS

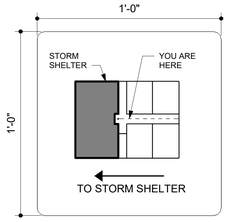
CODES ADOPTED BY THE ALABAMA BUILDING COMMISSION

INTERNATIONAL CODE COUNCIL 500 | 2020 EDITION

CODE SECTION	CODE REFERENCES AND NOTES	NOTES/ ACTION ITEMS
104.1	ROOMS OR SPACES WITHIN OTHER USES	
	OCCUPANCY OF OCCUPIED AREA SHALL APPLY	
106	SUBMITTAL DOCUMENTS	
106.2.1	THIS FACILITY IS A COMMUNITY STORM SHELTER PER ICC 500-2020. CH 2 THIS FACILITY IS DESIGNED TO ACCOMMODATE THE BUILDING OCCUPANTS AS REQUIRED FOR THE BUILDING ADDITION, & IS NOT FOR THE GENERAL PUBLIC. THE SHELTER DESIGN CONFORMS TO THE PROVISIONS OF THE 2020 - ICC 500 STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS. LOWEST SHELTER FLOOR ELEVATION: SEE CIVIL SHEET C3.0. PLUMBING FIXTURES PROVIDED PER TABLE 702.3	
106.2.2	DESIGN INFORMATION LISTED IN 106.2.1 AND INSTRUCTIONS LISTED IN 106.2.6 SHALL BE DOCUMENTED OR EXPLICITLY REFERENCED ON A SINGLE SHEET WITHIN THE CONSTRUCTION DOCUMENTS	
106.2.3	WALLS AND FLOORS ENCLOSING STORM SHELTER MUST BE CLEARLY INDICATED	
106.2.4	SIGNAGE REQUIRED	SIGNAGE DETAIL INDICATED IN CONSTRUCTION DOCUMENTS
106.2.5	CONSTRUCTION DOCUMENTS MUST INCLUDE ANY MANUFACTURER DETAILS OR INSTALLATION INSTRUCTIONS FOR SYSTEMS OR EQUIPMENT DESIGNED FOR THE PROTECTION AND OPERATION OF THE STORM SHELTER	
107.1	INCLUDED QUALITY ASSURANCE PLAN TO COMPLY WITH 107.2 THROUGH 107.4	
107.2, 107.3	DETAILED REQUIREMENTS AND QUALITY ASSURANCE PLAN PREPARATION	REFER TO ENGINEER'S QAP AND SCHED OF SPECIAL INSP.
107.4	CONTRACTOR'S STATEMENT OF RESPONSIBILITY	
	WRITTEN STATEMENT TO AHJ, DESIGN PROFESSIONAL, AND OWNER RE: DCM FORM C-17	SUBMIT DCM FORM "CONTRACTOR'S STATEMENT OF RESPONSIBILITY FOR CONSTRUCTION OF STORM SHELTER" PRIOR TO COMMENCEMENT OF WORK
	1. ACKNOWLEDGE AWARENESS OF SPECIAL REQUIREMENTS	
	2. ACKNOWLEDGE CONTROL EXERCISED TO OBTAIN COMPLIANCE	
	3. PROCEDURES FOR EXERCISING CONTROL WITHIN CONTRACTOR'S ORGANIZATION	
	4. IDENTIFICATION AND QUALIFICATIONS OF PERSON EXERCISING CONTROL AND THEIR POSITIONS	
108	OWNER'S STATEMENT OF RESPONSIBILITY	
108.1	OWNER SHALL SUBMIT TO AHJ A WRITTEN STATEMENT OF RESPONSIBILITY ACKNOWLEDGING THE OWNER'S RESPONSIBILITIES REGARDING SHELTER OPERATION AND MAINTENANCE WITH THE APPLICATION FOR A CONSTRUCTION PERMIT	
108.2	OWNER SHALL SUBMIT TO AHJ A WRITTEN PREPAREDNESS AND EMERGENCY OPERATIONS PLAN PRIOR TO APPROVAL OF CERTIFICATE OF OCCUPANCY	
109	PEER REVIEW	
109.1 CONDITIONS2	PEER REVIEW REQUIRED OVER 16 OCCUPANTS	
109.2	OWNER SHALL EMPLOY INDEPENDENT REGISTERED DESIGN PROFESSIONAL'S TO CONDUCT A PEER REVIEW TO VERIFY COMPLIANCE	
109.3, 109.4	PEER REVIEWER TO DISCLOSE ANY CONFLICTS OF INTEREST AND QUALIFICATIONS TO AHJ	
109.5	SIGNED AND SEALED REPORT TO BE SUBMITTED ALONGSIDE CONSTRUCTION DOCUMENTS PRIOR TO ISSUANCE OF PERMIT OF CONSTRUCTION	
110	SPECIAL INSPECTIONS REQUIRED	
110.2	SPECIAL INSPECTIONS REQUIRED FOR ALTERNATIVE MATERIALS AND SYSTEMS	
111	EMPLOY REGISTERED DESIGN PROFESSIONAL TO VISUALLY OBSERVE CONSTRUCTION OF STRUCTURAL SYSTEM FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND COMPLETION OF STRUCTURAL SYSTEM.	
	REPORT DEFICIENCIES IN WRITING TO OWNER, AND AUTHORITY HAVING JURISDICTION	
	CERTIFICATION OF STRUCTURAL OBSERVATIONS - STATE THAT SITE VISITS MADE AND IDENTIFY ANY UNRESOLVED DEFICIENCIES	DCM FORM "CERTIFICATION OF STRUCTURAL OBSERVATIONS" - REQUIRED AT SUBSTANTIAL COMPLETION
112.1	IMPACT-PROTECTIVE SYSTEMS SHALL BE LISTED AND LABELED	
112.1.1	FUNCTION AND PERFORMANCE CHARACTERISTICS SHALL BE PROVIDED ON THE LABEL FOR EACH IMPACT-PROTECTIVE SYSTEM TESTED	
	1. MANUFACTURER'S IDENTIFICATION REFERENCE OR LISTING NUMBER FOR THE ASSEMBLY	
	2. TYPE OF IMPACT PROTECTIVE SYSTEM, SUCH AS WINDOW, DOOR ASSEMBLY, SHUTTER ASSEMBLY OR LOUVER	
	3. HAZARD: HURRICANE, TORNADO, OR BOTH	
	4. MISSILE WEIGHT AND SPEED	
	5. DESIGN WIND PRESSURE	
	6. EDITION OF ICC 500	
113.1	STORM SHELTER SHALL BE EVALUATED AND MAINTAINED IN ACCORDANCE WITH ICC 500 REQUIREMENTS	
113.2	ANNUAL EVALUATIONS AND WHEN REQUEST BY THE AHJ	
	1. THE STORM SHELTER ENVELOPE SHALL BE EVALUATED THROUGH VISUAL OBSERVATION TO ASSESS WHETHER THE WALLS AND ROOFS ARE INTACT AND UNDAMAGED	
	2. IMPACT PROTECTIVE SYSTEMS SHALL BE EVALUATED FOR COMPLIANCE WITH THE MANUFACTURER'S OPERATIONAL AND MAINTENANCE REQUIREMENTS	
113.3	STORM SHELTERS SHALL BE MAINTAINED IN AN OPERABLE CONDITION AT ALL TIMES. ALL STRUCTURAL AND OPERATIONAL ELEMENTS SHALL BE REPAIRED OR REPLACED WHERE DAMAGED OR FOUND TO BE INOPERABLE	
113.3.1	DAMAGED OR MISSING COMPONENTS SHALL BE REPLACED WITH COMPONENTS THAT ARE SPECIFIED WITHIN THE TESTED OR LISTED ASSEMBLY	
113.3.2	REPLACEMENT SHALL COMPLY WITH APPLICABLE ICC 500 REQUIREMENTS	
113.4	OWNER SHALL KEEP A RECORD OF ALL EVALUATIONS, TESTS, REPAIRS, REPLACEMENTS, MAINTENANCE AND OTHER OPERATIONS ON THE PREMISES OR OTHER APPROVED LOCATION THAT CONSISTS OF ALL CHANGES TO THE ORIGINAL STORM SHELTER ENVELOPE OR IMPACT-PROTECTIVE SYSTEMS	
	RECORDS SHALL INCLUDE THE DATE AND PERSON CONDUCTING THE EVALUATIONS AND MAINTENANCE OR REPAIRS	
301-304	COMPLY WITH OUTLINED STRUCTURAL AND LOAD DESIGN REQUIREMENTS	
305	COMPONENT TESTING REQUIRED	
TABLE 305.1.1	MUST WITHSTAND 100 MPH 15lb 2X4 FOR VERTICAL SURFACES AND 67 MPH 15lb 2X4 FOR HORIZONTAL SURFACES	PROCEDURES TO FOLLOW ICC 500 CHAPTER 8
306.6	OPENINGS > 3 1/2 SQ. IN. OR 2 1/16" IN ONE DIRECTION MUST BE PROTECTED IN ACCORDANCE WITH SECTION 306.4	
402.1	BUILDING IS CONSTRUCTED OUTSIDE OF FLOOD PLAIN	
502	OCCUPANT DENSITY	
TABLE 502.3	5 SF PER PERSON STANDING OR SEATED / 10 SF PER PERSON WHEELCHAIR BOUND	
502.4.1	CALCULATION OF SPACE - NET AREA AT OPEN CIRCULATION AREAS, PER ICC 500 2020 - 502.4.1 (C) 65% IN CLASSROOMS & WORKROOMS; 50% IN STORAGE AND RESTROOMS	
504.4	NUMBER OF EXITS COMPLY WITH IBC OF OCCUPANT LOAD	
	DOORS SWING IN DIRECTION OF TRAVEL IN COMPLIANCE WITH IBC	
	EMERGENCY ESCAPE NOT REQUIRED WITH TWO EXITS PER 504.4	
508	SIGNAGE	REFER TO STORM SHELTER PLAN SHEET AND 1/G201 FOR SIGNAGE LOCATIONS
508.2	DESIGN INFORMATION SIGNAGE REQUIRED ON OR WITHIN STORM SHELTER TO PROVIDE REQUIRED INFORMATION	
	1. DESIGN OCCUPANT CAPACITY	
	2. STORM TYPE	
	3. DESIGN WIND SPEED	
	4. EDITION OF THE ICC 500 USED FOR THE DESIGN	
	5. NAME OF THE MANUFACTURER OR BUILDER OF THE STORM SHELTER	
508.5	REQUIRED DIRECTIONAL SIGNAGE THAT MARKS THE DIRECTION OF TRAVEL WITHIN HOST BUILDING DIRECTING UNTENDED OCCUPANTS TO STORM SHELTER	
508.6	REQUIRED SIGNAGE INDICATING "TORNADO SHELTER" TO BE INSTALLED OUTSIDE STORM SHELTER ADJACENT TO EVERY ACCESS OPENING INTENDED TO PROVIDE ENTRY	
508.7	REQUIRED SIGNAGE INSTALLED INSIDE STORM SHELTER ADJACENT TO EVERY ACCESS OR EGRESS OPENING TO INDICATE TO OCCUPANTS THEY ARE LEAVING THE STORM SHELTER	
602.1	FIRE PROTECTION VERIFY REQ'D PER 602.1	
603.1	FIRE RESISTANCE RATED AT 2 HOURS REQUIRED SEPARATING SPACES DESIGNATED AS STORM SHELTERS FROM OTHER BUILDINGS	STENCELING OR IDENTIFICATION REQUIRED PER DCM MEMO DATED 11/22/22 - REFER TO SHEET G201 FOR WALL LOCATIONS
604.1	FIRE EXTINGUISHER PROVIDED AT INTERIOR OF SHELTER	REFER TO SHEET G201 FOR FIRE EXTINGUISHER LOCATIONS
702.3	MINIMUM NUMBER WATER CLOSETS AND LAVATORIES	
TABLE 702.3	FOR OCC. LOAD > 50 TOILETS: 1 PER 250 FOR FIRST 500 THEN 1 PER 500 OCC. HANDWASHING: 1 PER 1000 OCC.	RESTROOM FACILITIES PROVIDED IN COMPLIANCE WITH THESE REQUIREMENTS
702.4	VENTILATION REQUIRED	
702.4.2	MECHANICAL VENTILATION PROVIDED	
702.4.3	SEPARATED FROM EXHAUST > 10 FEET	
702.4.4	OPENING PROTECTION PROVIDED IN ACCORDANCE WITH ICC SECTION 306.4	
702.5	STANDBY POWER PROVIDED AND PROTECTED IN ACCORDANCE WITH 701.2	
702.7, 702.8	EMERGENCY AND STANDBY LIGHTING PROVIDED	
702.8, 706.2	1 FOOTCANDLE FOR 2 HOURS	
702.9	FIRST AID KIT PROVIDED	REFER TO STORM SHELTER PLAN FOR FIRST AID KIT LOCATION
801	ALL COMPONENTS AND ENVELOPE REQUIRED TO MEET WINDBORNE DEBRIS IMPACT PROVISIONS	

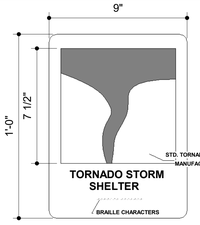
PLUMBING FIXTURE COUNT - STORM SHELTER

	PER ICC 500-2020 TABLE 702.3	REQUIRED	
COMMUNITY SHELTER	OCCUPANT LOAD = 286		
DESIGN OCCUPANT CAPACITY +/- 50			
WATER CLOSETS	1 PER 250 FOR THE FIRST 500	2	2 PROVIDED
LAVATORIES	1 PER 1000	1	2 PROVIDED



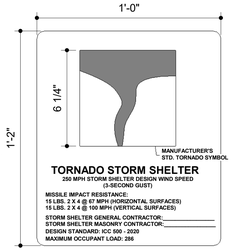
SIGNAGE TYPE D

12" x 12" IDENTIFYING SIGN SHOWING GENERAL LOCATION OF SHELTER IN FACILITY. THE "YOU ARE HERE" LOCATION AND ROUTE ARE DIFFERENT ON EACH SIGN. 5'-0" AFF TO CENTER OF SIGN.



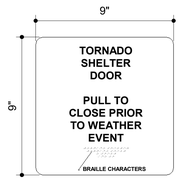
SIGNAGE TYPE E

GENERAL NOTE: ALL TORNADO SHELTER SIGNAGE TO COMPLY WITH MOUNTING HEIGHTS AND VISUAL CHARACTER REQUIREMENTS OF ICC A117.1 AND 2010 ADA



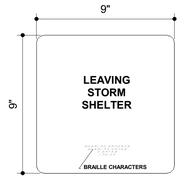
SIGNAGE TYPE F

12" x 14" IDENTIFYING SIGN
5'-0" AFF TO CENTERLINE OF SIGN



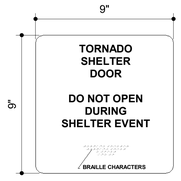
SIGNAGE TYPE G

2020 ICC 500 106.2.6, ITEM 3 PERIMETER SIGNAGE MOUNTED TO EXTERIOR FACE OF TORNADOR SHELTER ENTRY DOORS



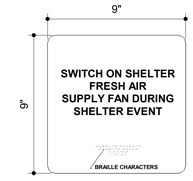
SIGNAGE TYPE J

2020 ICC 500 508.7 PERIMETER SIGNAGE



SIGNAGE TYPE H

2020 ICC 500 106.2.6, ITEM 3 PERIMETER SIGNAGE MOUNTED TO INTERIOR FACE OF TORNADO SHELTER ENTRY DOORS



SIGNAGE TYPE K

2020 ICC 500 702.4.2 MECHANICAL VENTILATION SWITCH SIGNAGE

② SHELTER SIGNAGE ELEVATIONS
3" = 1'-0"

SHELTER SPACE REQUIREMENTS		
CLASSROOMS (6)	5089	SF
TOTAL OCCUPIED CR AREA	5089	SF
/30 SF PER PERSON	170	OCCUPANTS
PLUS ADDITIONAL 10%	17	
TOTAL OCCUPANT LOAD REQ'D	**187**	OCCUPANTS
HC OCC. LOAD @ 1/200 * 10 SF	10	SF
OCC. LOAD @ 5 SF less 1/2 HC	930	SF
TOTAL SAFE SPACE REQ'D	**940**	**SF REQUIRED**

SHELTER SPACE PROVISIONS		
CLASSROOMS (2)	1570	SF
WORKROOM	86	SF
TOTAL SPACE	1656	SF
LESS **35%** PER ICC 500 502.4.1	580	SF
USABLE FLOOR AREA	1076	SF
TOTAL SPACE AT CIRCULATION CALC USING ALT. METHOD (ICC 500 502.4.2) B/C NO FURNISHINGS	364	SF
USABLE FLOOR AREA AT CIRC.	364	SF
TOTAL SPACE AT TOILET RMS	0	SF SEE 502.5
LESS 50% PER ICC 500 502.4.1	0	SF
USABLE FLOOR AREA AT RR.	0	SF
TOTAL SAFE SPACE SF PROV.	**1440**	SF USABLE
TOTAL AVAILABLE OCC. LOAD CALC: SEATED-STANDING OCC =(284 x 5 SF) + (2 WC OCC X 10 SF) = TOTAL CAPACITY OF 286	**286**	OCCUPANTS

REQUIRED STATEMENT OF RESPONSIBILITY FROM GENERAL CONTRACTORS AND SUBCONTRACTORS.

ICC-500 2020 - 107.4 - CONTRACTOR'S STATEMENT OF RESPONSIBILITY: EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND-FORCE RESISTING SYSTEM OR ANY COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE AUTHORITY HAVING JURISDICTION, THE RESPONSIBLE DESIGN PROFESSIONAL, AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL INCLUDE:

1. ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.

2. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS.

3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF REPORTS.

4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

5. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY FORM ISSUED PER THE DEPARTMENT OF FINANCE, DEPARTMENT OF CONSTRUCTION MANAGEMENT, CAN BE FOUND IN THE SPECIFICATIONS OR A COPY CAN BE OBTAINED FROM THE ARCHITECT.

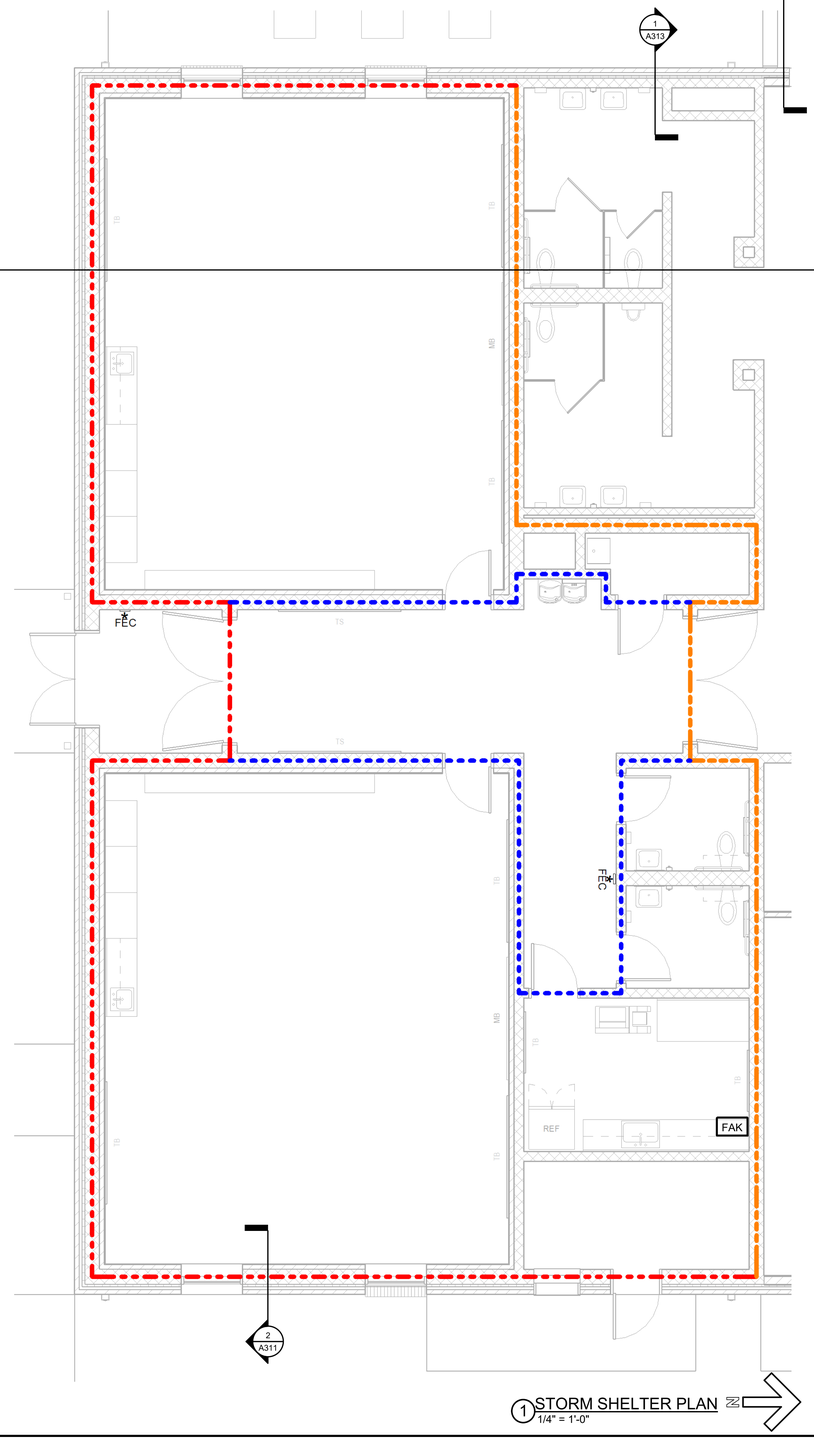
ICC 500 COMPLIANT TORNADO RESISTANT DOOR ASSEMBLY:
TORNADO RESISTANT SHUTTERS & FRAMES WITH FACTORY INSTALLED HINGES & 3-POINT LOCKSETS AND TORNADO RESISTANT DOORS & FRAMES WITH FACTORY INSTALLED HINGES & 3-POINT LOCKSETS FROM TESTED ASSEMBLIES COMPLIANT W/ ANSI/ICC500.
A THIRD-PARTY LABEL SHALL BE AFFIXED TO EACH UNIT CERTIFYING THAT IT IS AN APPROVED TORNADO ASSEMBLY WITH VERIFIABLE TEST RESULTS AVAILABLE UPON REQUEST. LABEL SHALL BE FACTORY APPLIED AND CLEARLY VISIBLE.
SEE SPECIFICATION SECTION 08 1113- HOLLOW METAL DOOR AND FRAMES

GENERAL NOTES:

1. SEE G201 FOR SIGNAGE PLACEMENTS AND TYPE DISTINCTION

LIFE SAFETY PLAN LEGEND:

- EGRESS PATH
- * FIRE EXTINGUISHER / FIRE EXTINGUISHER CABINET
- 1 HR FIRE SEPARATION
- STORM RATED
- 2 HR FIRE SEPARATION & STORM RATED
- FAK FIRST AID KIT



① STORM SHELTER PLAN
1/4" = 1'-0"

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STATE OF ALABAMA
JORDAN C WORLEY
7084
REGISTERED ARCHITECT

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

STORM SHELTER PLAN

G202

GENERAL PROJECT NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE BASED ON LOCATES PROVIDED BY UTILITY OWNERS. THESE LOCATIONS SHOULD BE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BY HAND EXCAVATION ("POTHOLING") OR OTHER MEANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND TO CONDUCT HIS WORK IN A MANNER TO PROTECT HIS EMPLOYEES, SUBCONTRACTORS AND OTHERS FROM HAZARDOUS CONDITIONS ASSOCIATED WITH UTILITIES. NEITHER THE ENGINEER OF THE OWNER ASSUMES ANY RESPONSIBILITY FOR THE SAFE PERFORMANCE OF ANY COMPONENTS OF THE CONTRACTOR'S WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE ACROSS THE PROJECT SITE DURING CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR DEWATERING.
3. THE CONTRACTOR SHALL INSTALL, AT A MINIMUM, TEMPORARY ASPHALT PATCHING WITHIN 24 HOURS AFTER THE COMPLETED INSTALLATION OF UTILITY CROSSING ON DRIVES/ROADWAYS OPEN TO TRAFFIC. IF THE ROADWAY IS CLOSED TO TRAFFIC, THEN ALL ASPHALT CUT LOCATIONS SHALL BE PATCHED BEFORE THE ROADWAY IS REOPENED.
4. 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. ANY REQUIRED RE-PATCHING SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL KEEP THE PROJECT CLEAN FROM TRASH AND DEBRIS. 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 SWEPT AND WASHED DOWN EACH DAY IF NECESSARY TO LIMIT THE TRACKING OF DIRT THROUGH THE PROJECT.
6. THE CONTRACTOR SHALL DOCUMENT THE CONDITIONS OF THE PROJECT SITE AND ADJACENT AREAS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE, MAINTENANCE, CLEANING, ETC. BY ANY AND ALL MEANS NECESSARY OF EXISTING STREETS, PARKING LOTS, CURBS, SIDEWALKS, ETC. DAMAGED BY THE PROJECT AT NO ADDITIONAL COST TO THE PROJECT, AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
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 ABUTTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT LIMITS 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. EXISTING SANITARY SEWER, STORM DRAIN, WATER DISTRIBUTION/FIRE PROTECTION, ETC. INFRASTRUCTURE TO BE RETAINED AS PART OF THIS PROJECT SHALL BE PROTECTED AT ALL TIMES. ANY DAMAGE TO THIS INFRASTRUCTURE SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9. ALL UTILITY TRENCH BACKFILL SHALL BE INSTALLED AS PER THE PROJECT DETAILS AND SPECIFICATIONS. IN-PLACE DENSITY TESTING SHALL BE PERFORMED BY AN APPROVED GEOTECHNICAL TESTING FIRM.

DEMOLITION NOTES:

1. THE APPROXIMATE AREAS OF WORK HAVE BEEN OUTLINED ON THE DEMOLITION PLAN. IT IS NOT PRACTICAL TO LABEL EVERY SPECIFIC ITEM TO BE REMOVED, DEMOLISHED, ETC. ACROSS THE SITE, SO THE AREA HAS BEEN HATCHED. SOME LABELING HAS BEEN ADDED FOR IDENTIFICATION OF ITEMS THAT SHALL BE REMOVED AND A FEW FOR ITEMS THAT FALL IN THE HATCHED AREA OR JUST OUTSIDE OF IT THAT SHALL BE RETAINED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO 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.
2. 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 SITE DURING CONSTRUCTION. PROPER EROSION CONTROL METHODS SHALL BE USED TO PROTECT THIS INFRASTRUCTURE.
3. DURING CONSTRUCTION, ANY EXISTING LANDSCAPING AND FENCING 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.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SPECIFIC DEMOLITION ELEMENTS WITHIN THE CONSTRUCTION LIMITS. ALL REQUIRED DEMOLITION DETAILS MAY NOT BE SPECIFIED WITHIN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND/OR REMOVAL OF ANY ITEMS WITHIN CONSTRUCTION LIMITS.
5. ALL AREAS DISTURBED BY THE CONTRACTOR INCLUDING BUT NOT LIMITED TO ACTUAL IMPROVED AREAS, LAYDOWN AREAS, AREAS DISTURBED BY MOVING EQUIPMENT SHALL BE IMPROVED PER THE REQUIREMENTS OF THE PLANS, NO EXCEPTIONS. THE NOTED AREA ON THE DEMOLITION PLANS REFLECT THE GENERAL PROJECT AREA. THE CONTRACTOR MAY ULTIMATELY DISTURB MORE THAN THE AREA SHOWN. THERE SHALL BE NO ADDITIONAL PAY FOR IMPROVING DISTURBED AREAS REGARDLESS OF HOW IT WAS DISTURBED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION OF ANY STRUCTURES, UTILITIES, ETC. NECESSARY FOR THE COMPLETION OF THE PROJECT, WHETHER IT IS SPECIFICALLY SHOWN TO BE REMOVED OR NOT.
7. ALL DEBRIS CREATED FROM CLEARING, GRUBBING, AND DEMOLITION SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF. NO BURNING OF DEBRIS WILL BE PERMITTED. EXCESS MATERIAL (NO CONSTRUCTION DEBRIS) MAY BE DISPOSED OF ON-SITE IN THE DESIGNATED SPOIL AREA.

EROSION CONTROL NOTES:

1. REFER TO SHEET C1.0 FOR EROSION CONTROL NOTES

EXCAVATION NOTES:

1. ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" TOPSOIL APPLIED AND BE STABILIZED WITH GRASS/MULCH AS SOON AS FINAL GRADING IS COMPLETE. REFER TO EROSION CONTROL NOTES FOR TEMPORARY GRASSING AND MULCHING DURING GRADING OPERATIONS (SEE LANDSCAPE PLANS FOR ADDITIONAL TOPSOIL THICKNESS INFORMATION).
2. ALL EMBANKMENT FILL AND BORROW EXCAVATION (ON-SITE OR OFF-SITE) MATERIALS SHALL BE COMPACTED IN LOOSE 6" LIFTS TO 98%, ASTM D 698 MINIMUM.
3. ALL EXISTING WATER VALVES, UTILITY VAULT TOPS, METER BOXES, ROADWAY SIGNS, INFORMATIONAL SIGNS, ETC. SHOWN ON THE DEMOLITION PLAN SHALL BE REMOVED, STOCKPILED IN A SECURE LOCATION, AND/OR RESET FOR THE OWNER AS PER THE CONTRACT DOCUMENTS.
4. BEFORE FINAL GRADING THE CONTRACTOR SHALL VERIFY THEY HAVE INSTALLED ALL UTILITIES INCLUDING STORM DRAIN, ELECTRICAL, ETC. IMPROVEMENTS.
5. THE CONTRACTOR SHALL NOTE CHANGE IN GRADES WHEN LAYING OUT HANDICAP RAMPS. ALL HANDICAP RAMP GRADES AND SIDEWALK CROSS SLOPES SHALL MEET ADA ACCESS REQUIREMENTS.
6. GRADING OPERATIONS SHALL INCLUDE TOPSOIL STRIPPING AND REMOVAL THROUGHOUT THE PROJECT SITE, UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, ROCK REMOVAL (IF ANY), 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 MATERIAL TO BE REMOVED FROM THE SITE.
7. TOPSOIL SHALL BE INSTALLED IN VARYING DEPTHS IN PLANTER AREAS, SHRUB BED AREAS, SODDED AREAS, ETC. AS NOTED IN THE CONSTRUCTION PLANS (ALL NONPAVED AREAS). NO STONES, ROOTS, ETC. GREATER THAN 1" IN DIAMETER SHALL BE ALLOWED. ANY MATERIAL DISCOVERED IN THE TOPSOIL EXCEEDING THIS REQUIREMENT SHALL BE REMOVED IMMEDIATELY, NO EXCEPTIONS.

WATER DISTRIBUTION NOTES:

1. THE EXISTING PUBLIC WATER SYSTEM IS OWNED BY THE MAPLESVILLE UTILITY BOARD (MUB). ANY AND ALL WORK ON THE MUB PORTION OF THE WATER SYSTEM WILL BE BUILT IN ACCORDANCE WITH MUB STANDARDS, AND BE PERFORMED ONLY BY CONTRACTORS APPROVED BY MUB. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THEY OR THEIR SUBCONTRACTORS ARE APPROVED BY MUB PRIOR TO BID AND CONSTRUCTION.
2. THE CONTRACTOR SHALL ANTICIPATE CONNECTIONS TO THE EXISTING WATERMAIN AND CROSSING(S) OF DRIVES/SERVICE ROADS TO BE PERFORMED AFTER-HOURS AND/OR WEEK-ENDS, HOLIDAYS, OR TIMES WHEN SCHOOL NOT IN SESSION. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING WORK WITHIN SUCH AREAS WITH THE SCHOOL TIMES APPROVED BY THE SCHOOL SO AS TO LIMIT/MINIMIZE DISRUPTIONS.
3. ALL MAINS AND SERVICE LINES SHALL HAVE 36" MINIMUM COVER FROM FINISH GRADE ELEVATIONS INDICATED ON THE SITE GRADING PLAN. IN ARES WHERE NO GRADING IS PROPOSED, 30" MINIMUM COVER SHALL BE MAINTAINED FROM EXISTING GROUND ELEVATIONS. WATERMAINS SHALL BE INSTALLED BENEATH EXISTING AND/OR PROPOSED UTILITIES AS NECESSARY TO PROVIDE 30" MINIMUM COVER, WITH ALL REQUIRED FITTINGS, BENDS, ETC.
4. ALL UTILITY TRENCH BACKFILL SHALL BE INSTALLED AND COMPACTED PER TRENCH DETAILS WITH IN-PLACE DENSITY TESTS PERFORMED BY AN APPROVED GEOTECHNICAL TESTING FIRM. SCHEDULING OF ALL TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL INSTALL A CAP FOLLOWED BY A 2" X 4" WOOD STAKE PAINTED BLUE AT THE END OF THE WATERMAIN MARKING THE STUB-OUT TO THE BUILDING FOR FUTURE CONNECTION BY THE PLUMBING TRADE PACKAGE.

TRAFFIC CONTROL NOTES:

1. ALL MATERIAL AND CONSTRUCTION SHALL COMPLY WITH CURRENT MUTCD AND ALABAMA DEPARTMENT OF TRANSPORTATION STANDARDS AND POLICIES.
2. ALL MATERIAL USED FOR TEMPORARY TRAFFIC STRIPING AND MARKINGS SHALL COMPLY WITH SECTION 857 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. INSTALLATION OF ALL TEMPORARY TRAFFIC STRIPE SHALL COMPLY WITH SECTION 701 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
4. TEMPORARY TRAFFIC STRIPING AND MARKINGS SHALL BE REFLECTORIZED PAINT.
5. TEMPORARY TRAFFIC STRIPING SHALL BE REMOVED ACCORDING TO SECTION 701 OF THE ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.
6. ROAD WORK AHEAD SIGNS SHALL BE POST MOUNTED ON ALL SIDE STREETS THAT FALL WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE PROJECT.
7. LENGTH BETWEEN SIGNS SHALL VARY BASED ON MUTCD AND DESIGN SPEED. THE CONTRACTOR SHALL MODIFY AS PER MUTCD WHEN NECESSARY BASED ON LOCATION OF ROAD WORK.
8. ALL TRAFFIC CONTROL DEVICES THAT ARE NOT APPLICABLE AT ANY SPECIFIC TIME SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER. COST SHALL BE INCIDENTAL TO THE PROJECT.
9. THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SAFETY OF PEDESTRIAN TRAFFIC CROSSING THE WORK ZONES DURING CONSTRUCTION.
10. GENERALIZED WORK ZONE TRAFFIC CONTROL PLANS HAVE BEEN PROVIDED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW THE MUTCD (LATEST EDITION) FOR ALL TRAFFIC CONTROL NECESSARY FOR HIS EXACT OPERATIONS AND SEQUENCING.
11. INSTALLATION AND REMOVAL OF ALL TEMPORARY TRAFFIC CONTROL MARKINGS SHALL COMPLY WITH SECTION 703 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
12. ALL MATERIAL USED FOR ROADWAY SIGNAGE SHALL COMPLY WITH SECTION 880 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
13. INSTALLATION OF ALL ROADWAY SIGNAGE SHALL COMPLY WITH SECTION 710 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
14. UNLESS OTHERWISE NOTED, ALL ROADWAY SIGNAGE SHALL BE CLASS 2 (CUT OUT COPY) OR CLASS 4 (SCREEN COPY) CONSTRUCTED WITH TYPE III OR BETTER REFLECTIVE SHEETING.
15. UNLESS OTHERWISE NOTED, ALL SIGN PANELS SHALL BE 0.08 INCHES IN THICKNESS.
16. UNLESS OTHERWISE NOTED, SIGN SUPPORTS SHALL BE SINGLE "U" CHANNEL STEEL OR ALUMINUM POSTS MEETING THE REQUIREMENTS SET FORTH IN SECTION 880.04 OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
17. EXISTING TRAFFIC SIGNALS SHALL REMAIN OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
18. TYPE III BARRICADES SHALL MEET THE REQUIREMENTS OF THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS AND SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
19. WARNING LIGHTS SHALL BE TYPE "A" LOW INTENSITY FLASHING TYPE LIGHTS MEETING THE REQUIREMENTS OF MUTCD LATEST EDITION.
20. VARIABLE MESSAGE SIGNS/BOARDS SHALL MEET THE REQUIREMENTS FOR TYPE 2 MESSAGE SIGNS AS SPECIFIED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL PROVISION NO. 01-0475 SECTION 742, DATED DECEMBER 3, 2001.
21. ALL ADVANCE WARNING SIGNS POSTED A THE BEGINNING AND END OF THE PROJECT SHALL BE POST-MOUNTED. SIGNS REQUIRED FOR ANY LANE CLOSURES SHALL BE TEMPORARILY MOUNTED.
22. ALTHOUGH PERIODIC ROAD CLOSURES MAY BE REQUIRED DURING THE PROJECT, THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENCES AND BUSINESSES AT ALL TIMES.

SANITARY SEWER NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS OF EXISTING UTILITIES BEFORE INSTALLING REQUIRED SANITARY SEWER STRUCTURES AND PIPING. THE ELEVATIONS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE FOR DESIGN VERIFICATION AND ADJUSTMENTS. IF THE CONTRACTOR DOES NOT POTHOLE AND SHOOT EXISTING UTILITY ELEVATIONS FOR DESIGN VERIFICATION, ANY RECONSTRUCTION SHALL BE HIS RESPONSIBILITY
2. UNLESS OTHERWISE NOTED, THE COST OF INVERTS AND STEPS SHALL BE INCLUDED IN THE PRICE FOR SANITARY SEWER STRUCTURES. NO ADDITIONAL PAYMENTS SHALL BE MADE FOR INVERTS AND STEPS.
3. UNLESS OTHERWISE NOTED, 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.
4. PRECAST CONCRETE MANHOLES SHALL BE SIZED TO ACCOMMODATE REQUIRED PIPE ALIGNMENTS & ELEVATIONS AS SHOWN IN CONSTRUCTION PLANS, BUT IN NO CASE SHALL MANHOLES LESS THAN 48" INSIDE DIAMETER.
5. SANITARY SEWER STRUCTURES MEASURING FOUR (4) FEET OR GREATER IN DEPTH FROM THE FINISHED TOP OF THE SANITARY SEWER STRUCTURE TO THE INVERT OUT ELEVATION SHALL HAVE STEPS INSTALLED.
6. ALL REQUIRED SANITARY SEWER RINGS/COVERS WITHIN PAVED AREAS SHALL MATCH TOP AND SLOPE OF ASPHALT FINISHED GRADE. PORTIONS OF ANY RING/COVERS AND/OR MANHOLES SHALL BE REMOVED AND RESET AS NECESSARY, IF THIS REQUIREMENT IS NOT MET.
7. WHEN CONNECTING TO EXISTING UTILITIES WITH PROPOSED SANITARY SEWER MANHOLES, THE CONTRACTOR SHALL USE EXTREME CARE TO ONLY EXCAVATE AND REMOVE THE MINIMAL AMOUNT OF PIPING NECESSARY TO INSTALL THE STRUCTURE. DAMAGE CAUSED BY OVER-EXCAVATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CORRECT AT NO ADDITIONAL COST TO THE PROJECT.
8. CONTRACTOR SHALL PERFORM ANY BY-PASS PUMPING OF EXISTING SEWER DURING THE INSTALLATION AND CONNECTIONS OF SANITARY SEWER ASSOCIATED WITH THE PROJECT AS NECESSARY TO AVOID DISRUPTION OF SERVICE TO THE SCHOOL. BY-PASS PUMPING SHALL BE CONSIDERED INCIDENTAL TO THE INSTALLATION OF SANITARY SEWER MAINS AND LATERAL RE-CONNECTIONS.
9. THE CONTRACTOR SHALL ANTICIPATE CONNECTIONS TO THE EXISTING SANITARY SEWER AND CROSSING(S) OF DRIVES/SERVICE ROADS TO BE PERFORMED AFTER-HOURS AND/OR WEEK-ENDS, HOLIDAYS, OR TIMES WHEN SCHOOL NOT IN SESSION. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING WORK WITHIN SUCH AREAS WITH THE SCHOOL THROUGH THE CONSTRUCTION MANAGER AT TIMES APPROVED BY THE SCHOOL SO AS TO LIMIT/MINIMIZE DISRUPTIONS.
10. THE CONTRACTOR SHALL INSTALL SOLVENT WELD CAPS AT THE ENDS OF THE PROPOSED BUILDING STUB-OUTS FOLLOWED BY 2" X 4" WOOD STAKES PAINTED GREEN MARKING THE ENDS OF EACH SEWER LATERAL FOR FUTURE CONNECTION BY THE PLUMBING TRADE PACKAGE.
11. ALL SANITARY SEWER MAINS TO BE AIR AND MANDREL TESTED PER SPECIFICATIONS AFTER BACKFILL OPERATIONS ARE COMPLETED
12. ALL SANITARY MANHOLES TO BE VACUUM TESTED SUCH TESTING WILL NOT OCCUR UNTIL FINAL GRADING OPERATIONS ARE COMPLETED OUTSIDE PAVEMENT AREAS AND FOLLOWING THE FIRST LAYER OF ASPHALT IN PAVED AREAS.
13. ALL SANITARY SEWER AIR, MANDREL, VACUUM TESTING TO BE PERFORMED IN THE PRESENCE OF THE UTILITY REPRESENTATIVE; AND RECORDS OF SUCH TESTING PROVIDED TO THE ENGINEER.
14. ALL SANITARY SEWER MANS TO BE CCTV'D PER SPECIFICATIONS UPON COMPLETION OF ALL TESTING AND RECORD OF SUCH PROVIDED TO ENGINEER.

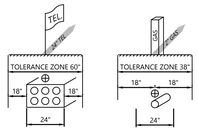
SYMBOLS LEGEND

330	EXISTING CONTOUR LINE (5 FOOT INTERVAL)	280	REQUIRED CONTOUR LINE
331	EXISTING CONTOUR LINE (1 FOOT INTERVAL)	PWM	REQUIRED WATER MAIN
ESS	EXISTING SANITARY SEWER	PSD	REQUIRED STORM SEWER
ESD	EXISTING STORM SEWER		REQUIRED WATER VALVE
EGM	EXISTING GAS MAIN		REQUIRED CLEANOUT
EWM	EXISTING WATERMAIN		
OPL	EXISTING OVERHEAD POWER LINE		REQUIRED GRATE INLET
BE	EXISTING BURIED ELECTRIC		
EC	EXISTING ELECTRICAL CONDUIT (ABOVE GROUND)		REQUIRED JUNCTION BOX
ES	EXISTING SLEEVE (SPARE)		
	EXISTING CHAIN LINK FENCE		REQUIRED ASPHALT SURFACE
	EXISTING WOODEN FENCE		
SS	EXISTING SANITARY SEWER MANHOLE		REQUIRED CONCRETE SURFACE
S	EXISTING STORM DRAIN MANHOLE		
C	EXISTING SANITARY SEWER CLEAN OUT		
I	EXISTING IRRIGATION VALVE		
M	EXISTING WATER METER		
	EXISTING WATER SPIGOT		
	EXISTING WATER VALVE		
T	EXISTING TELEPHONE BOX		
E	EXISTING ELECTRICAL BOX		
G	EXISTING GAS REGULATOR/METER		
	EXISTING AIR CONDITION PAD		
	EXISTING POST WITH SIGN		
	EXISTING UTILITY POLE		

EXISTING UTILITY NOTES

APWA UNIFORM COLOR CODE
FOR MARKING UNDERGROUND UTILITY LINES

WHITE -Proposed excavation
PINK - Temporary survey markings
RED - Electric Power Lines, Cables, Conduit and Lighting Cables
YELLOW - Gas, Oil, Steam, Petroleum or Gaseous Materials
BLUE - Potable Water
PURPLE - Reclaimed Water, Irrigation and Slurry Lines
GREEN - Sewers and Drain Lines



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

Alabama 1 Call
www.al1call.com

ALABAMA 811 Know what's below. Call before you dig.

*Note: Underground utility locate requests from surveyors are usually ignored and/or result in an incomplete response in this jurisdiction.

WARD | SCOTT | MORRIS
ARCHITECTURE
TUSCALOOSA | HUNTSVILLE
1606 PAUL W. BRYANT DRIVE TUSCALOOSA, ALABAMA 35401
www.wardscottmorris.com

MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

ALABAMA LICENSED PROFESSIONAL ENGINEER
NO. 24047
11/16/2026
LEP LAWSON ENGINEERING CORP

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

PROJECT NOTES

C0.1

DUNCAN ▫ COKER ASSOCIATES
CIVIL ENGINEERING • SURVEYING • PLANNING

FILE NAME: Maplesville-Notes	DRAWN BY: W T B
PROJECT NUMBER: 26-141	CHECKED BY: L E P

EXISTING BUILDING

EXISTING BUILDING FF 368.57

EXISTING BUILDING

EXISTING ROOF DRAIN NOT COLLECTED U.N.O. (TYP.) 8 EA THIS SIDE

CANOPY

SWING

CANOPY

CLIMBING BARS

SEPTIC TANK LID (TYP.)

SWING

POLE MOUNTED LIGHT

PLAYGROUND

SWING SET

SWING SET

SS CLEANOUT (TYP.)

SLIDE

REQ'D: EXISTING SLIDE TO BE RELOCATED (LOCATION AS DETERMINED/ DIRECTED BY OWNER)

REQ'D: EXISTING CANOPY, STEPS, RAMP, ETC. TO BE REMOVED (SEE ARCHITECTURAL FOR DETAILS)

REQ'D: EROSION CONTROL HAYBALES

REQ'D: EROSION CONTROL SILT FENCE

REQ'D: EROSION CONTROL SILT FENCE

REQ'D: EROSION CONTROL HAYBALES

REQ'D: CONSTRUCTION EXIT PAD

FL.362.27'

18" RCP

FL.361.39'

FL.361.47

18" RCP

FL.361.05'

8" PVC

ssmh
rim 363.70'
in 8" 356.30'
in 6" 356.39'
out 8" 356.18'

ssmh
rim 362.10'
in 8" 355.59'
out 8" 355.49'

REQ'D: EXISTING GATE/ FENCE TO BE REMOVED AND REPLACED

REQ'D: EROSION CONTROL SILT FENCE

REQ'D: EROSION CONTROL SILT FENCE

GATE

VALVE IN ICV BOX

EXISTING DIESEL PUMP (COVERED)

EXISTING MONITORING WELL CAP

EXISTING U.G. DIESEL TANK UNDER CONCRETE SLAB

EXISTING DIESEL PUMP, COVER, TANKS, STRUCTURE, ETC. TO BE REMOVED BY OTHERS

PINE 30" DBH

EXISTING TICKET BOOTH

EXISTING PRESS BOX

SCOREBOARD

ELEC MTR.

GAS STUB

EXISTING FIELDHOUSE FF 361.12

FL.356.43'

FL.356.38'

REQ'D: EROSION CONTROL SILT FENCE

FOOTBALL FIELD

0' 20' 40' 60'
SCALE (FEET) 1" = 20'

DEMOLITION AND EROSION CONTROL LEGEND

- CEP — INDICATES REQUIRED CONSTRUCTION EXIT PAD
- XXXXXXXXXX — REQUIRED FENCE LINE REMOVAL
- INDICATES REQUIRED ASPHALT, CONCRETE, AND CRUSHED AGGREGATE REMOVAL
- SF — REQUIRED EROSION CONTROL SILT FENCE (TYPE "A")
- TG — REQUIRED TEMPORARY GRASSING
- PG — REQUIRED PERMANENT GRASSING
- ECB — INDICATES REQUIRED EROSION CONTROL BLANKET
- IP — REQUIRED INLET PROTECTION
- INDICATES REQUIRED EROSION CONTROL SANDBAGS

EROSION CONTROL NOTES:

1. DUE TO ACREAGE OF DISTURBED AREA BEING MORE THAN 1.0 ACRE, AN ADEM NPDES PERMIT WILL BE REQUIRED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR USING BEST MANAGEMENT PRACTICES (BMP'S) FOR EROSION AND SEDIMENT CONTROL THROUGHOUT CONSTRUCTION. THIS EROSION CONTROL PLAN IS PROVIDED AS A MINIMUM GUIDE FOR PROVIDING STRUCTURAL BMP'S. PHASING, TEMPORARY GRASSING, AND OTHER METHODS AS PROVIDED 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 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 BEFORE AND AFTER RAIN EVENTS.
4. THE CONTRACTOR SHALL INSTALL A TEMPORARY CRUSHED AGGREGATE EXIT PAD(S) AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES ENTERING ONTO ADJACENT ROADWAYS/PAVEMENT AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REMOVING MUD TRACKED ONTO SUCH SURFACES. ALL CRUSHED AGGREGATE FOR CONSTRUCTION ENTRANCE/EXIT IS CONSIDERED INCIDENTAL TO THE PROJECT REGARDLESS THE NUMBER OF TIMES SUPPLEMENTAL STONE IS REQUIRED.
5. 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 THE SILT FENCE SHALL BE REMOVED FROM THE SITE.
6. ALL DISTURBED AREAS SHALL BE SODDED UPON COMPLETION OF GRADING OPERATIONS. ADEM REGULATIONS REQUIRE ALL DISTURBED AREAS NOT UNDERGOING ACTIVE DISTURBANCE OR ACTIVE CONSTRUCTION FOR LONGER THAN THIRTEEN (13) DAYS TO BE MULCHED AND SEEDED TO ESTABLISH TEMPORARY VEGETATIVE COVER. THIS INCLUDES STOCKPILED EARTHEN MATERIAL. TEMPORARY MULCHING/SEEDING (PREFERABLY HYDRO-SEEDING) TO BE INSTALLED ON AN INTERVAL BASIS, BUT AT A MINIMUM ANY BARE DISTURBED AREAS SHALL BE COVERED WITH TEMPORARY HAY MULCH, PLASTIC, ETC. PRIOR TO ANY FORECASTED RAIN EVENT(S).
7. 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 FINES SHALL BE AT THE CONTRACTOR'S EXPENSE.
8. OWNER'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.
9. 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 SATISFACTION OF OWNER'S REPRESENTATIVE.
10. 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 OWNER'S REPRESENTATIVE.

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FILE NAME: Maplesville-DemoEro	DRAWN BY: W T B
PROJECT NUMBER: 26-141	CHECKED BY: L E P

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ARCHITECTURE
TUSCALOOSA | HUNTSVILLE
1605 PAUL W. BRYANT DRIVE, TUSCALOOSA, ALABAMA 35401
www.wardscottmorris.com

MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

ALABAMA REGISTERED PROFESSIONAL ENGINEER LEON L. COKER No. 24047 11/16/2026

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS		
#	DESC	DATE

DEMOLITION AND EROSION CONTROL PLAN

C1.0

EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING FF 368.57

EXISTING FIELDHOUSE FF 361.12

EXISTING ROOF DRAIN NOT COLLECTED U.N.O. (TYP.) @ EA THIS SIDE

CANOPY

SWING

CLIMBING BARS

SEPTIC TANK LID (TYP.)

PLAYGROUND

SWING SET

SWING SET

SS CLEANOUT (TYP.)

POLE MOUNTED LIGHT

6" PVC

4" PSS

8" PVC

ssmh rim 363.70' in 8" 356.30' in 6" 356.39' out 8" 356.18'

ssmh rim 362.10' in 8" 355.59' out 8" 355.49'

REQ'D: CONCRETE SIDEWALK

REQ'D: CONCRETE STEPS (FOUR(4) EACH RISERS AT EQUAL SPACING); (SEE ARCHITECTURAL FOR HANDRAIL DETAILS)

REQ'D: CONCRETE SIDEWALK WITH INTEGRAL CURB

2" PWM

8 REGULAR PARKING SPACES
1 ADA PARKING SPACE

34 REGULAR PARKING SPACES
2 ADA PARKING SPACES

REQ'D: MILL AND OVERLAY EXISTING PAVEMENT

FL.362.27'

FL.361.39'

FL.361.47

FL.361.05'

18" RCP

REQ'D: GATE/FENCE REPLACEMENT (MATCH EXISTING HEIGHT/TYPE)

REQ'D: CONCRETE WHEEL STOP (TYPICAL)

VALVE IN ICV BOX

PINE 30" DBH

REQ'D: BITUMINOUS CONCRETE PAVING

SCOREBOARD

10 REGULAR PARKING SPACES
1 ADA PARKING SPACE

REQ'D: ADA PARKING SIGN ON U-CHANNEL POST

RESERVED PARKING
VAN ACCESIBLE
MAXIMUM FINE $250.00

ELEC MTR.

GAS STUB

53.56'

FL.356.43'

FL.356.38'

EXISTING TICKET BOOTH

EXISTING PRESS BOX

SCALE (FEET) 1" = 20'

ENLARGED VIEW

SCALE 1"=1'-0"

RAMP 1:12 MAX.

LANDING

7' - 5"

9' - 3"

9' - 7"

REQ'D: CURB TRANSITIONS FROM 0" TO 6" HIGH AT RAMP

REQ'D: 6" CONCRETE CURB POURED INTEGRAL WITH SIDEWALK

REQ'D: ADA PARKING SIGN ON U-CHANNEL POST

RAMP 1:12 MAX.

10' - 3"

7'

9'

PAVING, STRIPING, AND MARKING LEGEND

(H) INDICATES SOLID BLUE, CL. 1, TYPE A TRAFFIC MARKING, (ADA PARKING SYMBOL) (REFLECTIVE PAINT)

(B) INDICATES SOLID BLUE, CL. 1, TYPE A TRAFFIC STRIPE, 4" WIDE (REFLECTIVE PAINT)

(W) INDICATES SOLID WHITE, CL. 1, TYPE A TRAFFIC STRIPE, 4" WIDE

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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

ALABAMA LICENSED PROFESSIONAL ENGINEER LEE PAUL COKER NO. 24047 11/16/2026

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

SITE PLAN

C2.0

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FILE NAME: Maplesville-Site | DRAWN BY: W T B
PROJECT NUMBER: 26-141 | CHECKED BY: L E P

MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

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BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS
#	DESC	DATE

GRADING PLAN

C3.0

DUNCAN COKER ASSOCIATES
CIVIL ENGINEERING • SURVEYING • PLANNING
FILE NAME: Maplesville-Grading | DRAWN BY: W T B
PROJECT NUMBER: 26-141 | CHECKED BY: L E P

GRADING PLAN LEGEND
- EG158.21 — REQUIRED FINISH GRADE ELEVATION
- TC158.21 — REQUIRED TOP OF CURB ELEVATION
- TW158.25 — REQUIRED TOP OF WALK ELEVATION
- EP158.21 — REQUIRED EDGE OF PAVING ELEVATION
- MATCH — MATCH EXISTING GRADE
- 158 — REQUIRED CONTOUR LINE

SCALE (FEET) 1" = 10'

PROPOSED CLASSROOM ADDITION
FF 367.33

EXISTING BUILDING
FF 368.57

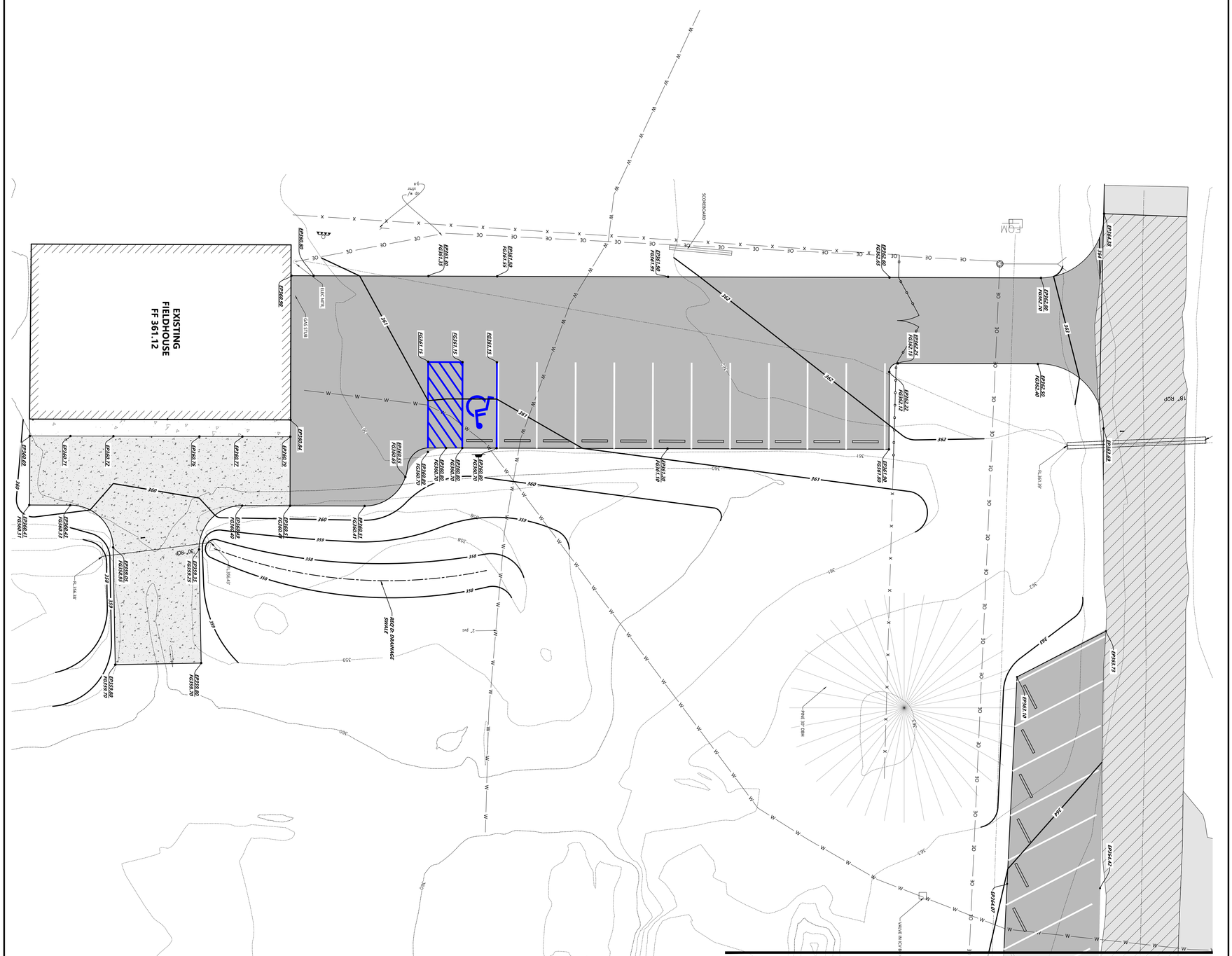
REQ'D: FINE GRADE/SLOPE AREA FOR POSITIVE DRAINAGE

REQ'D: DRAINAGE SWALE

REQ'D: UNIFORMLY FINE GRADE SLOPE AT MINIMUM 81 SLOPE

EXISTING PRESS BOX

MATCH LINE SEE SHEET C3.1



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FILE NAME: Maplesville Grading	DRAWN BY: W B
PROJECT NUMBER: 26-101	CHECKED BY: E I P

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

GRADING PLAN

C3.1

MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

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EXISTING BUILDING FF 368.57

CLIMBING BARS

SEPTIC TANK LID (TYP.)

SWING

SWING

POLE MOUNTED LIGHT

PLAYGROUND

SWING SET

SWING SET

SS CLEANOUT (TYP.)

REQ'D: SANITARY SEWER CLEANOUT FLOWLINE = 364.20

REQ'D: DRAINAGE SWALE

REQ'D: 4" SDR 26 PVC @ 2.0% MIN.

4"PSS

4"PSS

4"PSS

REQ'D: SANITARY SEWER CLEANOUT FLOWLINE = 361.40

REQ'D: FLOWLINE = 366.25

RDC

REQ'D: DOWNSPOUT TO DISCHARGE TO SURFACE CONCRETE

REQ'D: FLOWLINE = 366.25

RDC

REQ'D: FLOWLINE = 366.25

RDC

REQ'D: DAYLIGHT END OF ROOF DRAIN AND INSTALL CONCRETE SLOPE PAVED HEADWALL (TYPICAL) THREE (3) EACH ON WEST SIDE OF BUILDING

REQ'D: TEMPORARY SOLVENT WELDED CAP FOR TESTING (SEE PLUMBING FOR CONNECTION / CONTINUATION TO BUILDING) FLOWLINE = 364.50 (SEE NOTE AT TIE-IN TO EXISTING MAIN)

REQ'D: 6" PVC SDR 26 ROOF DRAIN COLLECTOR PIPING @ 1.0% MIN. (SEE ARCH. FOR CONTINUATION/ CONNECTION TO DOWNSPOUT BOOT, DETAILS, ETC.) (TYPICAL) FOUR (4) EACH WEST SIDE OF BUILDING

EXISTING WATERMAIN (SIZE UNKNOWN)

REQ'D: TEMPORARY SOLVENT WELDED CAP FOR TESTING (SEE PLUMBING FOR CONNECTION / CONTINUATION TO BUILDING)

REQ'D: MAIN CONNECTION INSTALL: 1(ONE) - TEE (SIZE OF EXISTING TO BE CONFIRMED IN FIELD BY CONTRACTOR) 2(TWO) - 2" VALVE W/ VALVE BOX

REQ'D: CUT IN 2" VALVE W/ VALVE BOX ON EXISTING MAIN

2"PWM

2"PWM

2"PWM

REQ'D: 2" PVC CL. 200 DOMESTIC WATERMAIN (MIN. 30" BELOW SUBGRADE)

REQ'D: FLOWLINE = 365.75

REQ'D: FLOWLINE = 365.75

REQ'D: FLOWLINE = 365.75

REQ'D: FLOWLINE = 365.75

REQ'D: DAYLIGHT END OF ROOF DRAIN AND INSTALL CONCRETE SLOPE PAVED HEADWALL (TYPICAL) FOUR (4) EACH ON EAST SIDE OF BUILDING

REQ'D: 6" PVC SDR 26 ROOF DRAIN COLLECTOR PIPING @ 1.0% MIN. (SEE ARCH. FOR CONTINUATION/ CONNECTION TO DOWNSPOUT BOOT, DETAILS, ETC.) (TYPICAL) FOUR (4) EACH EAST SIDE OF BUILDING

REQ'D: CONNECT TO EXISTING 6" SANITARY SEWER LINE WITH PVC WYE FLOWLINE = 359.40 (CONTRACTOR TO CONFIRM IN FIELD)

NOTE: CONTRACTOR MUST CONFIRM FLOW LINE ELEVATION IN FIELD BY EXCAVATING THE EXISTING MAIN PRIOR TO BEGINNING ANY OF THE SANITARY SEWER NEW WORK (INCLUDING PLUMBING UNDER BUILDING SLAB). NOTIFY ENGINEER IMMEDIATELY IF EXISTING MAIN DEPTH IS LESS THAN SHOWN.

6" PVC

4" PSS

REQ'D: 4" SDR 26 PVC @ 2.0% MIN.

FL 361.47

18" RCP

0' 10' 20' 30'
SCALE (FEET) 1" = 10'

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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

ALABAMA LICENSED PROFESSIONAL ENGINEER JASON L. COKER NO. 24047 11/16/2026

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

UTILITY PLAN

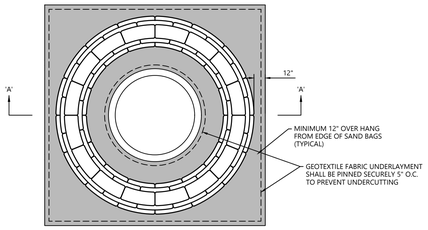
C4.0

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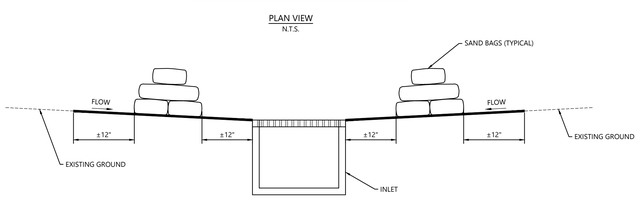
FILE NAME: Maplesville-Utility | DRAWN BY: W T B
PROJECT NUMBER: 26-141 | CHECKED BY: L E P



IMAGE OF COMPLETED SAND BAG INLET PROTECTION



PLAN VIEW
N.T.S.



SECTION 'A-A'

SAND BAG INLET PROTECTION

N.T.S.

NOTES:

1. GEOTEXTILE UNDERLAYMENT (MINIMUM 8 OZ. NON-WOVEN) SHALL BE INSTALLED ON THE COMPACTED EARTH SURFACE AND EXTEND FROM THE INLET TO AT LEAST 1 FT. BEYOND THE SAND BAGS. PIN THE GEOTEXTILE SECURELY AT THE INLET AND AROUND THE EDGES ON 5 INCH CENTERS.
2. PLACE SAND BAGS TIGHT AGAINST EACH OTHER AROUND THE INLET IN A CIRCULAR FASHION WITH AT LEAST A 1 FT. SPACE BETWEEN THE BAGS AND THE INLET.
3. ORIENT THE LAYERS OF BAGS INTO A TRIANGULAR CROSS-SECTION WITH THE FIRST LAYER CONSISTING OF TWO BAGS ORIENTED TANGENT TO THE CIRCLE. THE FOLLOWING LAYER CONSISTING OF ONE BAG PERPENDICULAR TO THE CIRCLE, AND THE SUBSEQUENT LAYER(S) CONSISTING OF ONE BAG LAYED STAGGERED/PERPENDICULAR TO THE PREVIOUS ROW.
4. PLACE SANDBAGS IN A MANNER SUCH THAT NO GAPS ARE EVIDENT.
5. NUMBER OF ROWS UTILIZED TO BE ADJUSTED SUCH THAT ANY NEARBY BUILDING STRUCTURES OR OTHER CRITICAL ITEMS ARE SUBJECT TO WATER INTRUSION.

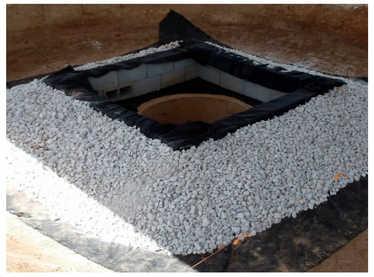


IMAGE OF COMPLETED BLOCK AND AGGREGATE INLET PROTECTION

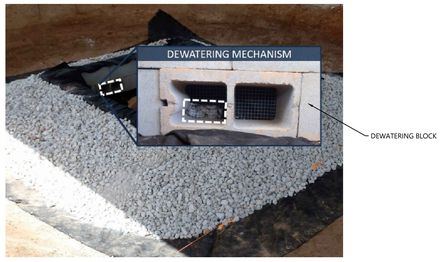
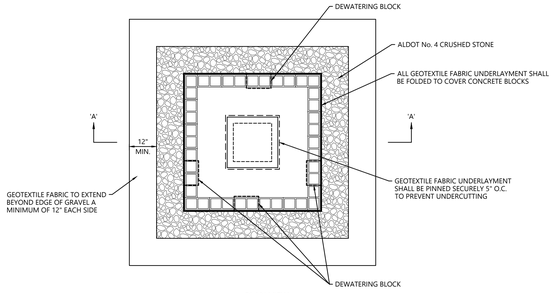
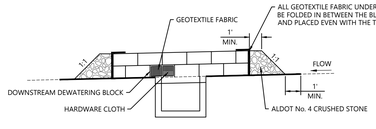


IMAGE SHOWING DEWATERING MECHANISM



PLAN VIEW
N.T.S.



SECTION 'A-A'

BLOCK AND AGGREGATE INLET PROTECTION

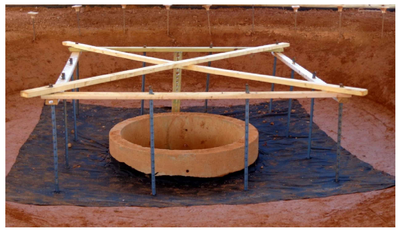
N.T.S.

NOTES:

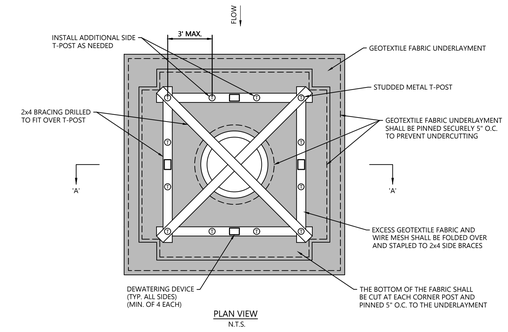
1. GEOTEXTILE UNDERLAYMENT (MINIMUM 8 OZ. NON-WOVEN) SHALL BE INSTALLED ON THE COMPACTED EARTH SURFACE AND EXTEND FROM THE INLET, UNDER THE BLOCKS AND AT LEAST 1 FT. BEYOND THE BLOCKS, AND SECURELY PINNED AT 5 INCHES CENTERS AT THE INLET AND AROUND THE OUTSIDE EDGE OF THE GEOTEXTILE. A SECOND UNDERLAY THAT EXTENDS FROM THE INLET, UNDER THE BLOCKS, AND TO THE TOP OF THE BLOCKS BETWEEN THE BLOCKS AND GRAVEL, AND THEN OVERLAP THE TOP OF THE BLOCKS. PLACE GEOTEXTILE VERTICALLY ON THE BLOCKS SURFACE AFTER BLOCKS AND HARDWARE CLOTH ARE INSTALLED.
2. USE 8 OR 12 INCH CINDER BLOCKS, NO MORE THAN TWO BLOCKS HIGH, WITH THE SECOND LAYER OF BLOCKS STACKED IN A STAGGERED FASHION. ALL BLOCKS ARE PLACED IN A NORMAL ORIENTATION WITH FOUR (4) BLOCKS TURNED SIDEWAYS FOR DEWATERING.
3. THE DEWATERING BLOCK(S) SHALL BE AT THE LOWEST ELEVATION, FACED WITH HARDWARE CLOTH, AND THE GEOTEXTILE CUT OUT IN A THREE-INCH-TALL RECTANGULAR SECTION FOR DEWATERING.
4. PLACE AGGREGATE (ALDOT No. 4 STONE) IN A TRIANGULAR CROSS-SECTION TO THE TOP OF THE BLOCKS WITH THE AGGREGATE EXTENDING OUT 1 FT. AT THE TOP FROM THE BLOCKS BEFORE SLOPING DOWN AT A 1:1 FT/FT SLOPE



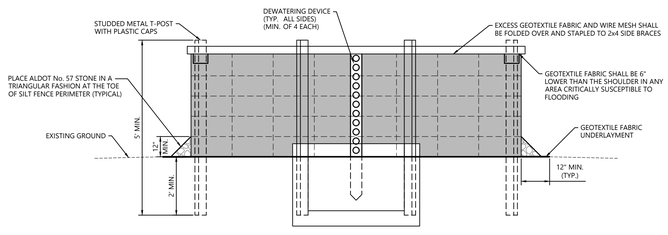
IMAGE OF COMPLETED SILT FENCE INLET PROTECTION
(CRUSHED STONE NOT SHOWN AT TOE OF SILT FENCE)



INTERMEDIATE IMAGE OF SILT FENCE INLET PROTECTION



PLAN VIEW
N.T.S.



SECTION 'A-A'

SILT FENCE INLET PROTECTION

N.T.S.

NOTES:

1. GEOTEXTILE UNDERLAYMENT (MINIMUM 8 OZ. NON-WOVEN) SHALL BE INSTALLED ON THE COMPACTED EARTH SURFACE FROM THE INLET TO AT LEAST 1 FT BEYOND THE SILT FENCE. THE GEOTEXTILE SHALL BE SECURELY PINNED AT 5-INCH CENTERS AT THE INLET AND AROUND THE OUTSIDE EDGE OF THE GEOTEXTILE.
2. STEEL T-POSTS SHALL BE INSTALLED A MAXIMUM OF 3 FT. CENTER AROUND THE INLET.
3. DO NOT TRENCH THE VERTICAL SILT FENCE AROUND THE INLET. INSTALL THE WIRE BACKING TIGHTLY FROM THE COMPACTED EARTH SURFACE TO THE TOP OF THE POSTS, AND SECURE TO THE POSTS.
4. WOODEN 2 X 4 BRACING TO BE ADDED AT THE TOP OF ALL POSTS AND DIAGONALLY ACROSS THE CORNERS. DRILL HOLES TO FIT OVER T-POSTS ONCE T-POSTS ARE INSTALLED TO ENSURE A PROPER FIT.
5. INSTALL DEWATERING DEVICES (MINIMUM OF FOUR EACH EQUALLY SPACED AROUND THE INLET) TO REMOVE WATER FROM THE IMPOUNDMENT WITHIN 48 HOURS. A WOODEN 2 X 4 VERTICAL BOARD WITH GRADUATED HOLES FROM 1 INCH TO 2 INCH IN DIAMETER (SMALLEST AT BOTTOM AND LARGEST AT TOP) SPACED 2 TO 3 INCHES APART TO BE USED FOR THE DEWATERING DEVICE. THE DEWATERING DEVICES SHALL BE FASTENED TO THE 2 X 4 SIDE BRACING. THE SILT FENCE FABRIC SHOULD BE SECURED TO THE BOARD WITH STAPLES AND THE GEOTEXTILE PUNCTURED / SLIT AT EACH HOLE.
6. THE PERIMETER SILT FENCE SHALL BE TYPE A SILT FENCE (MINIMUM 4 OZ. NON-WOVEN). THE TOP OF THE SILT FENCE SHALL BE FOLDED OVER THE 2 X 4 BRACING AND STAPLED. THE BOTTOM OF THE SILT FENCE SHALL EXTEND ABOUT 8 INCHES HORIZONTALLY FROM THE BOTTOM OF THE FENCE AND SECURED WITH PINS EVERY 5 INCHES. THE BOTTOM OF THE FABRIC AT THE CORNERS SHALL BE CUT AND PINNED SECURELY TO PREVENT WATER UNDERMINING. ATTACH THE GEOTEXTILE TO THE WIRE AS NORMALLY DONE FOR A SILT FENCE.

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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24047 11/16/2026 JASON L. COKER

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

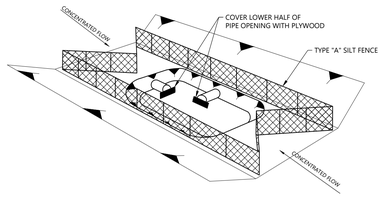
#	DESC	DATE

STANDARD DETAILS

C5.0

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FILE NAME: Maplesville-Details	DRAWN BY: W T B
PROJECT NUMBER: 26-141	CHECKED BY: L E P

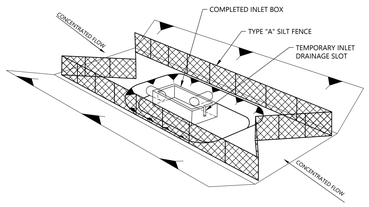


STAGE 1 - INLET BOX LOCATION EXCAVATED

N.T.S.

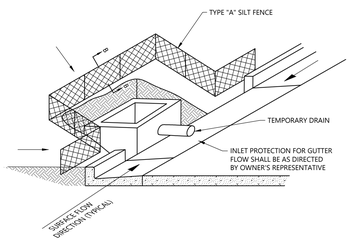
INLET PROTECTION CONSTRUCTION STAGES NOTES:

1. INLET PROTECTION SHALL BE INSTALLED AT LOCATIONS AND IN ACCORDANCE WITH REQUIREMENTS SHOWN ON THE PLANS FOR THE APPROPRIATE STAGES OF CONSTRUCTION OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. APPROVED MANUFACTURED PRODUCTS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. SITE CONSTRUCTED PROTECTION SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE APPROPRIATE STAGE OF CONSTRUCTION OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
   a) STAGE 1 INLET PROTECTION SHALL BE INSTALLED AFTER THE OUTFLOW DRAINAGE HAS BEEN INSTALLED AND PRIOR TO THE CONSTRUCTION OF THE INLET.
   b) STAGE 2 INLET PROTECTION SHALL BE INSTALLED AFTER THE INLET IS CONSTRUCTED AND PRIOR TO BACKFILLING.
2. ALL INLET PROTECTION INSTALLATIONS SHALL BE CONSTRUCTED TO ENSURE THAT RUNOFF DOES NOT BYPASS THE INLET.
3. INLET CONSTRUCTION SHOULD COMMENCE AS SOON AS POSSIBLE AND BE CONTINUOUS THROUGH COMPLETION OF THE PROJECT.
4. CONFIGURATIONS MAY BE ADJUSTED BECAUSE OF WATER FLOW, SOIL, OR INSTALLATION CHALLENGES, WITH APPROVAL OF THE OWNER'S REPRESENTATIVE.
5. SILT FENCE USED FOR ALL STAGES OF INLET PROTECTION WILL BE PAID FOR WITH THE SILT FENCE UNIT PRICE IN THE PROJECT.



STAGE 2 - INLET BOX CONSTRUCTED BUT NOT BACKFILLED

N.T.S.

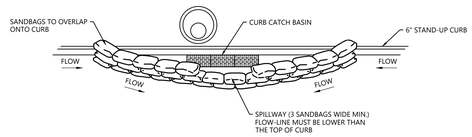


STAGE 2 - CURB INLET PROTECTION

N.T.S.

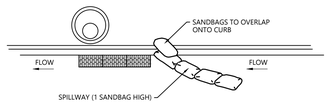
STAGE 1 AND 2 NOTES:

1. ACCEPTABLE INLET PROTECTION DEVICES FOR STAGE 2 INCLUDE SILT FENCE AND SEDIMENT LOGS (WATTLES). HAY BALE PROTECTION IS NOT ACCEPTABLE FOR THIS PHASE.
2. REMOVE SEDIMENT DEPOSITS WHEN THEY REACH A DEPTH OF 15" OR 1/2 THE HEIGHT OF THE FENCE AS INSTALLED TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN EVENT AND TO REDUCE PRESSURE ON THE FENCE
3. SHOULD THE SILT FENCE BECOME DAMAGED OR OTHERWISE INEFFECTIVE WHILE THE INLET PROTECTION IS STILL NECESSARY, IT SHALL BE REPAIRED PROMPTLY WITH A NEW SECTION OF FILTER OVERLAPPING A MINIMUM OF 12 INCHES ON EACH SIDE OF A BREAK.



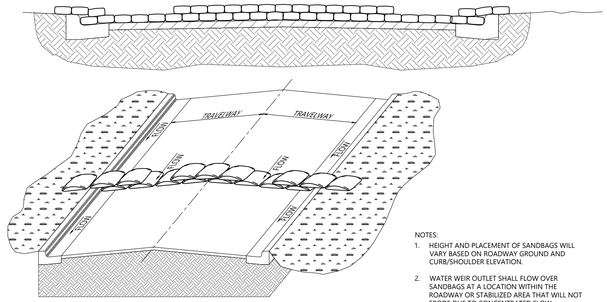
SANDBAG PROTECTION FOR INLET IN SAG

N.T.S.



SANDBAG PROTECTION FOR INLET ON GRADE

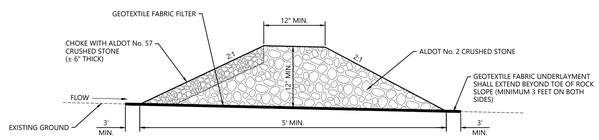
N.T.S.



NOTES:
1. HEIGHT AND PLACEMENT OF SANDBAGS WILL VARY BASED ON ROADWAY GROUND AND CURB/SHOULDER ELEVATION.
2. WATER WEIR OUTLET SHALL FLOW OVER SANDBAGS AT A LOCATION WITHIN THE ROADWAY OR STABILIZED AREA THAT WILL NOT ERODE DUE TO CONCENTRATED FLOW.

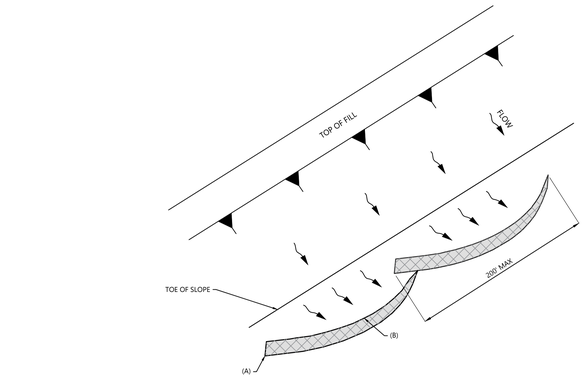
TYPICAL TEMPORARY (SAND BAG) CHECK DAM FOR PAVEMENT

N.T.S.



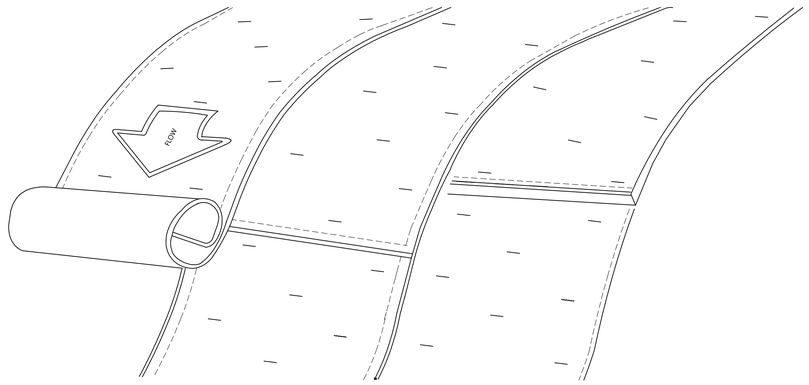
ROCK FILTER DAM

N.T.S.



"SMILE-CONFIGURATION" SILT FENCE APPLICATION

NOTE:
ELEV. (A) = ELEV. (B) TO MAXIMIZE STORAGE.

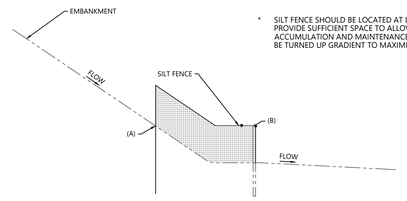


SLOPE INSTALLATION DETAIL

NOTES:

1. ROLLED EROSION CONTROL PRODUCTS SHALL BE INSTALLED PARALLEL TO THE DIRECTION OF FLOW. THERE SHALL BE AN ANCHOR TRENCH AT THE UPSTREAM EDGE OF THE INSTALLATION. RECPs SHALL OVERLAP ANY DOWNSTREAM RECPs. ADJACENT RECPs SHALL ALSO BE OVERLAPPED.
2. STAPLES SHALL BE PLACED ON OVERLAPS, AT THE TOE OF RECP, AND THROUGHOUT THE RECP INSTALLATION IN ORDINANCE WITH MANUFACTURERS RECOMMENDATIONS TO ENSURE THE RECP IS IN CONTACT WITH THE UNDERLYING SOIL.
3. HYDRAULIC EROSION CONTROL PRODUCTS SHALL BE INSTALLED BY SPRAYING IN OPPOSING DIRECTIONS TO PROVIDE A SOLID BLANKET OF PRODUCT. HECPs SHALL BE APPLIED BY EQUIPMENT AND AT A RATE THAT MEETS THE RECOMMENDATIONS OF THE PRODUCT MANUFACTURER SPECIFIC TO THE SLOPE.
4. HYDRAULIC EROSION CONTROL PRODUCTS SHOULD NOT BE INSTALLED IN AREAS SUBJECT TO CHANNELIZED FLOW OR AREAS HAVING A POTENTIAL TO FLOOD DURING A LOCAL 2 YEAR, 24 HOUR STORM EVENT.
5. RECP TYPE C2 AND C4 ARE TO BNE PLACED ON TOP OF SEEDING. RECP TYPE C6, C8 AND C10 ARE TO BE PLACED BELOW THE TOPSOIL AND SEEDING. THE TOPSOIL AND SEEDING MUST BE COVERED BY EITHER SOD OR RECP TYPE C2 OR C4 (SEE OPTIONS A AND B). ONLY USE OPTION A IF WATER CAN BE KEPT OUT OF THE CHANNEL UNTIL VEGETATED. IF NOT, USE OPTION B.

NOTE:
ANCHOR AND INSTALL SILT FENCE PER DETAILS SHOWN ON SPECIAL DRAWING No. ESC-200-4.



* SILT FENCE SHOULD BE LOCATED AT LEAST 6' AWAY FROM THE TOE OF THE SLOPE TO PROVIDE SUFFICIENT SPACE TO ALLOW A BROAD, FLAT AREA FOR SEDIMENT ACCUMULATION AND MAINTENANCE ACTIVITIES. THE ENDS OF THE SILT FENCE SHOULD BE TURNED UP GRADIENT TO MAXIMIZE STORAGE.

SILT FENCE SECTION AT TOE OF SLOPE

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FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750



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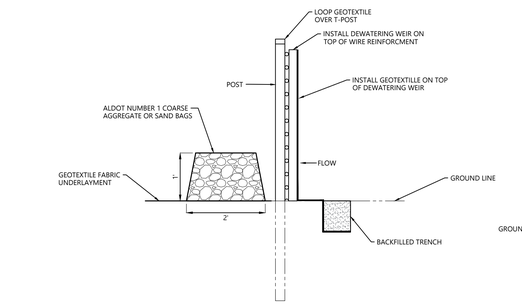
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STANDARD DETAILS

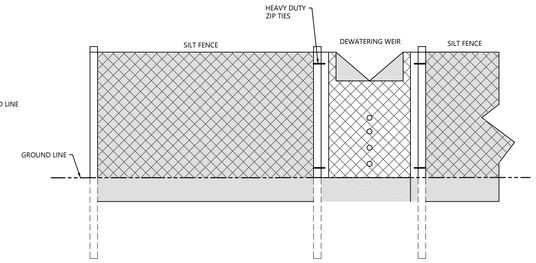
C5.1

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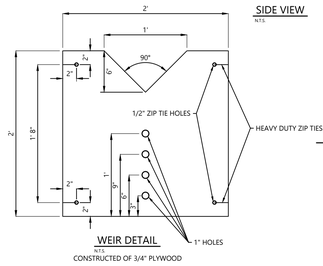
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PROJECT NUMBER: 26-141	CHECKED BY: L E P



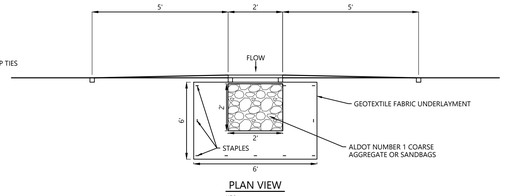
SIDE VIEW
N.T.S.



ELEVATION (DOWNSTREAM) VIEW
N.T.S.

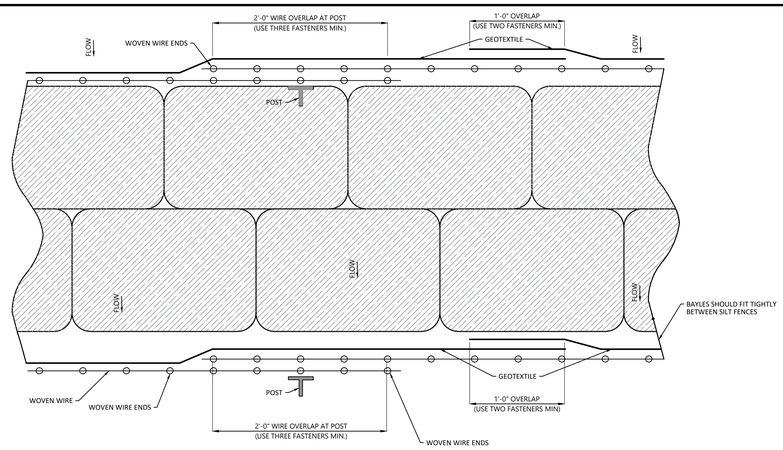


WEIR DETAIL
N.T.S.
CONSTRUCTED OF 3/4" PLYWOOD



PLAN VIEW
N.T.S.

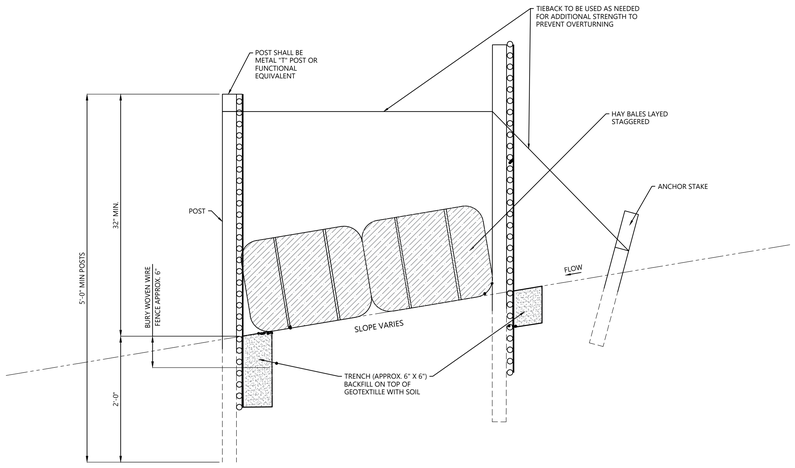
DEWATERING WEIR ALONG SILT FENCE
N.T.S.



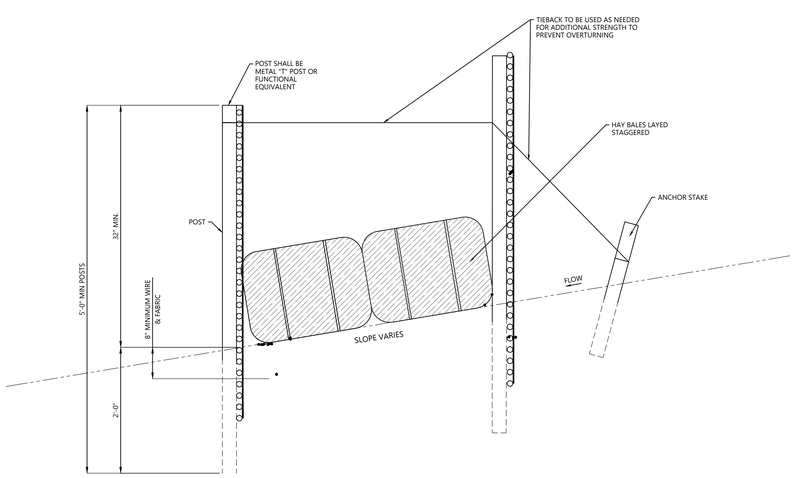
PLAN VIEW REQUIRED LAPPING
N.T.S.

NOTES:

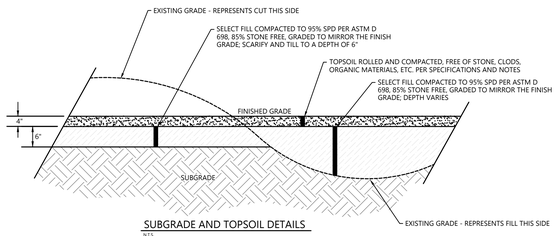
1. METHOD II FENCE INSTALLATION ALSO TO INCLUDE ANCHORS AND TIEBACKS AS REQUIRED.
2. SEDIMENT RETENTION BARRIER SHALL BE USED IN AREAS WHERE FLOW IS LOW TO MODERATE OR AS DIRECTED BY THE ENGINEER.
3. SEDIMENT RETENTION BARRIERS ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHALL BE ERECTED DOWN GRADE OF ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
4. SEDIMENT RETENTION BARRIERS SHOULD BE PLACED WELL INSIDE RIGHT-OF-WAY AND ALONG EDGE OF CLEARING LIMITS IF POSSIBLE. THIS WILL ALLOW ROOM FOR ADDITIONAL BEST MANAGEMENT PRACTICES SUCH AS VEGETATED BUFFERS.
5. WHEREVER POSSIBLE SEDIMENT RETENTION BARRIERS SHALL BE CONSTRUCTED ALONG A CONTOUR WITH THE ENDS TURNED. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
6. THE CONTRACTOR MAY ELECT TO USE EITHER INSTALLATION METHOD I OR METHOD II.
7. METHOD II INSTALLATION SHALL BE ACCOMPLISHED USING AN IMPLEMENT THAT IS MANUFACTURED FOR THE APPLICATION AND PROVIDES A CONFIGURATION MEETING THE REQUIREMENTS OF THE DETAIL.



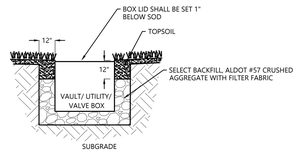
SIDE VIEW SECTION A-A METHOD I
N.T.S.



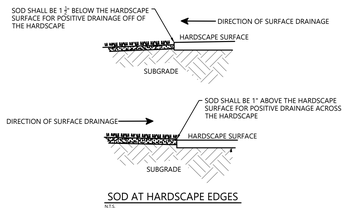
SIDE VIEW SECTION A-A METHOD II MECHANICAL INSTALLATION
N.T.S.



SUBGRADE AND TOPSOIL DETAILS
N.T.S.



GRADING AT VAULT / UTILITY / VALVE BOX
N.T.S.



SOD AT HARDSCAPE EDGES
N.T.S.

SUBGRADE PROCESSING IN LANDSCAPE AREAS AND TOPSOIL REPLACEMENT

1. PRIOR TO ANY CONSTRUCTION, CONTRACTOR SHALL INVESTIGATE AND DOCUMENT CONDITION OF EXISTING GRADES. IF LARGE CONCENTRATIONS OF STONE, OR DELETERIOUS MATERIAL IS ENCOUNTERED THEN SELECT FILL SHALL BE REQUIRED. DOCUMENTATION SHALL INCLUDE PHOTOS AND AREAS SHALL BE INDICATED ON PLAN.
2. ALL UNDISTURBED SUBGRADE AND SELECT FILL AREAS, SHALL BE 85% STONE FREE. SUBGRADE THAT CONTAIN MORE THAN 15% STONE AND DEBRIS IN ANY 12" X 12" AREA SHALL BE REMOVED AND REPLACED, BY THE GENERAL CONTRACTOR. ALL SUBGRADE/ SELECT FILL AREAS SHALL BE FREE OF ANY CONSTRUCTION DEBRIS AND WASTE MATERIAL (STAKES, ROOTS, STONE, CONCRETE CHUNKS, BROKEN PIPE, ELECTRICAL CONDUIT, DRINK BOTTLES, ETC...). CONTRACTOR TO REPLACE CONTAMINATED SOIL WITH ACCEPTABLE SUBGRADE MATERIAL TO BE APPROVED BY CAMPUS LANDSCAPE ARCHITECT.
3. ALL TEMPORARY STONES, FOR ROADWAYS, CONSTRUCTION ACCESSES, SIDEWALKS, DRIVES, CONSTRUCTION, ETC..., SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. IT IS THE CONTRACTORS' RESPONSIBILITY TO FULLY REMOVE, AT NO ADDITIONAL COST TO THE OWNER, THESE TEMPORARY MATERIALS PRIOR TO PLACEMENT OF SUBGRADE/ SELECT FILL. THIS APPLIES TO ALL MATERIALS, EQUIPMENT, ETC., THE CONTRACTOR TRANSPORTS TO THE PROJECT. DO NOT WASTE ON SITE.
4. TOPSOIL MATERIAL AND SUBGRADE PREPARATIONS SHALL BE PERFORMED DURING DRY WEATHER. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH AND PROVIDING AT LEAST 24 HOUR ADVANCE NOTICE TO THE OWNER'S REPRESENTATIVE FOR INSPECTION AND ACCEPTANCE OF SUBGRADE IN LANDSCAPE AREAS PRIOR TO PLACEMENT OF TOPSOIL. ANY TOPSOIL PLACED PRIOR TO APPROVAL OF SUBGRADE BY THE OWNER'S REPRESENTATIVE SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL COSTS TO THE OWNER.
5. TOPSOIL SHALL BE ROLLED IN-PLACE TO PREVENT FUTURE SETTLING.
6. TOPSOIL SHALL BE FREE OF VIABLE NOXIOUS WEEDS OR VEGETATION OR VEGETATION PROPAGULES. CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING NECESSARY CHEMICALS TO TOPSOIL TO RID MATERIAL OF SUCH WEED, SEED OR PROPAGULES. CHEMICALS TO BE APPLIED MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE TO APPLICATION.
7. ANY AND ALL AREAS IN, NEAR OR ADJACENT TO THE CONSTRUCTION LIMITS THAT ARE DISTURBED DURING THE CONSTRUCTION PROCESS ARE TO BE REPAIRED TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER. ALL GRADES, EXISTING AND CONSTRUCTED, SHALL BE TIED TOGETHER TO MATCH IN A SEAMLESS MANNER AND GRASSED OR LANDSCAPED, DICTATED AS PER EXISTING CONDITION .
8. ELIMINATE UNEVEN AREAS AND LOW SPOTS, INCLUDING THOSE ADJACENT TO BUT OUTSIDE THE PROJECT LIMITS, SO AS TO ENSURE PROPER POSITIVE DRAINAGE TOWARD DRAINAGE AREAS, AND PROVIDE GRADUAL GRADE CHANGE(S) OF GROUND ELEVATIONS.
9. AREAS TO BE GRASSED SHALL BE SODDED OR ALL SOD IS TO BE ROLLED AFTER INSTALLATION.
10. PRIOR TO ANY CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AS TO THE WORKING CONDITION OF ANY AND ALL IRRIGATION SYSTEM(S) WITHIN THE PROJECT IN ORDER TO ESTABLISH THE CURRENT WORKING CONDITION OF SUCH SYSTEM(S). CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY AND ALL DAMAGE, OF EXISTING IRRIGATION SYSTEM(S) THAT WAS WORKING PROPERLY BEFORE THE PRE-CONSTRUCTION IRRIGATION REVIEW MEETING FOR THE PROJECT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR DAMAGE TO ANY LANDSCAPING AFFECTED BY THE DISRUPTION OF THE IRRIGATION SYSTEM(S). IRRIGATION SYSTEM(S) DISRUPTED SHALL BE REPAIRED AT DIRECTION OF THE OWNER'S REPRESENTATIVE BY THE CONTRACTOR. ANY COST ASSOCIATED WITH THE AFOREMENTIONED SHALL BE AT THE CONTRACTORS EXPENSE WITH NO ADDITIONAL COSTS TO THE OWNER. IRRIGATION LINES AND CONTROL WIRING ARE TO BE PLACED AT A DEPTH MINIMUM DEPTH OF 18" UNLESS DIRECTED/NOTED OTHERWISE.
11. PROTECT ALL HARDSCAPE SURFACES (CONCRETE SIDEWALKS, PATIOS, BRICK PAVERS, INLET BOXES, GUTTERS, ETC.), AND WATER DISTRIBUTION INFRASTRUCTURE, FROM DAMAGE FROM HEAVY EQUIPMENT BY USE OF TEMPORARY BRIDGING (FABRIC, SAND, WOOD, ETC.). CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS TO ALL DAMAGED HARDSCAPE AT NO ADDITIONAL COSTS TO THE OWNER.
12. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL PRESSURE WASH ALL CONCRETE SURFACES (I.E., CURB AND GUTTERS, SIDEWALK, DRIVES, STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK AND STONE, ETC.). SPECIFICALLY EXISTING CONCRETE ABUTTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT AND ALL ADJACENT AREA(S) TO ELIMINATE STAINING FROM EARTHEN MATERIAL, CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AT NO ADDITIONAL COSTS TO THE OWNER.

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FILE NAME: Maplesville-Details | DRAWN BY: W T B
PROJECT NUMBER: 26-141 | CHECKED BY: L E P

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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

ALABAMA REGISTERED LANDSCAPE ARCHITECT NO. 24047 PROFESSIONAL 11/16/2026 REGISTERED LANDSCAPE ARCHITECT JASON L. COKER

BID SET

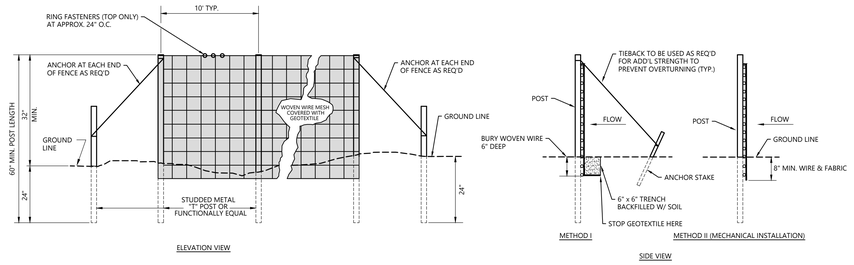
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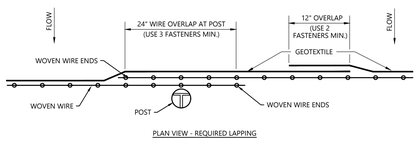
STANDARD DETAILS

C5.2



ELEVATION VIEW

SIDE VIEW



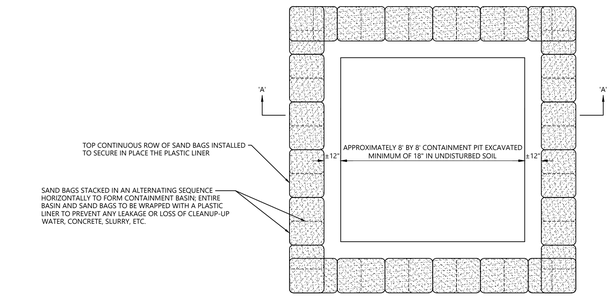
PLAN VIEW - REQUIRED LAPPING

SILT FENCE NOTES:

1. METHOD II FENCE INSTALLATION ALSO TO INCLUDE ANCHORS AND TIEBACKS AS REQUIRED.
2. SILT FENCE SHALL BE USED IN AREAS WHERE FLOW IS LOW TO MODERATE OR AS DIRECTED BY THE ENGINEER.
3. SILT FENCES ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHALL BE ERECTED DOWN GRADE OF ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TOP STREAMS/CHANNELS.
4. SILT FENCE SHOULD BE PLACED WELL INSIDE CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A ADDITIONAL BEST MANAGEMENT PRACTICES TO BE INSTALLED.
5. SILT FENCES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION OPERATION.
6. WHEREVER POSSIBLE, SILT FENCES SHALL BE CONSTRUCTED ACROSS A FLAT AREA IN THE SHAPE OF A SMILE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
7. THE CONTRACTOR MAY ELECT TO USE EITHER INSTALLATION METHOD I OR II.
8. METHOD II INSTALLATION SHALL BE ACCOMPLISHED USING AN IMPLEMENT THAT IS MANUFACTURED FOR THE APPLICATION AND PROVIDES A CONFIGURATION MEETING THE REQUIREMENTS OF THE DETAIL.
9. SEE ALDOT LIST II-3 FOR APPROVED SILT FENCE GEOTEXTILES.
10. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH A DEPTH OF 15" OR 1/2 THE HEIGHT OF THE FENCE AS INSTALLED TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN EVENT AND TO REDUCE PRESSURE ON THE FENCE.
11. DAMAGED SILT FENCE SHALL BE REPAIRED PROMPTLY WITH A NEW SECTION OF GEOTEXTILE OVERLAPPING A MINIMUM OF 12 INCHES ON EACH SIDE OF THE DAMAGED PORTION.
12. SILT FENCES SHALL BE REMOVED UPON COMPLETE STABILIZATION OF THE PROJECT AREAS. ADDITIONALLY, THE AREA ALONG THE SILT FENCE ROUTE SHALL BE REGRADED AND FURTHER STABILIZED AS NEEDED TO PROVIDE A UNIFORM FINISH GRADE.

TYPE "A" SILT FENCE DETAIL

N.T.S.



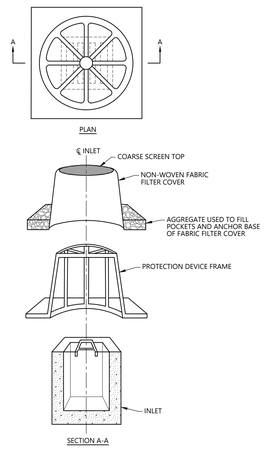
SECTION 'A-A'

WASH PIT / CONTAINMENT AREA FOR CONCRTE, MORTAR, ETC. CLEAN-UP

N.T.S.

WASH PIT NOTES:

1. PLASTIC LINER SHALL BE A MINIMUM 10 MIL, AND BE INSTALLED IN SUCH A MANNER TO PREVENT ANY LEAKAGE OR LOSS OF CONTAINMENT / WASH PIT WATER, CONCRETE, SLURRY, ETC. LINER SHALL BE SOLID SECTION WHERE POSSIBLE. IF MULTIPLE SHEETS NEEDED, LAPS SHALL BE A MINIMUM OF THREE (3) FEET AND BE SECURED / SEAMED SO THAT NO LEAKAGE OCCURS.
2. THE ENTIRE EXCAVATED PIT AND SAND BAGS SHALL BE COMPLETELY COVERED WITH THE PLASTIC LINER. THE LINER SHALL OVERLAP THE OUTSIDE EDGE OF THE SAND BAGS A MINIMUM OF EIGHTEEN (18) INCHES AND BE COVERED WITH EARTHEN FILL FOR SECURING THE EDGE AS PER THE DETAIL.
3. ADJACENT AND SURROUNDING STORM WATER SURFACE RUN-OFF SHALL BE DIVERTED AWAY FROM THE WASH PIT AREA TO AVOID RUN-OFF ENTERING THE PIT AND CREATING AN UNNECESSARY OVERFLOW.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE PIT DURING ALL RAIN EVENTS BY ANY MEANS NECESSARY, INCLUDING BUT NOT NECESSARILY LIMITED TO KEEPING THE WATER LEVEL AT TO A MINIMUM AT ALL TIMES OR COVERING OF THE PIT AREA.
5. THE WATER LEVEL IN THE PIT SHALL BE MAINTAINED BY ANY MEANS NECESSARY SUCH THAT THE PIT CAPACITY DOES NOT EXCEED 75%. UNDER NO CIRCUMSTANCES SHALL THE WATER AND / OR SLURRY, CEMENT, OR SOLIDS LEVEL BE HIGHER THAN TWELVE (12) FROM THE TOP OF THE PLASTIC LINER LEVEL. ANY WATER REMOVED FROM THE PIT SHALL NOT BE ALLOWED TO DISCHARGE TO THE SITE OR ADJACENT INLETS, BUT RATHER BE COLLECTED AND DISPOSED OF OFF-SITE IN AN APPROPRIATE MANNER FOR DISCHARGE OF POTENTIAL CONTAMINANT MATERIALS. ANY SOLIDS SUCH AS STONE, CONCRETE, ETC. SHALL BE REMOVED ONCE HARDENED. SUCH MATERIAL MAY BE REPROCESSED AND USED ON-SITE IF APPLICABLE PER THE EARTH WORK SPECIFICATIONS, OR DISPOSED OF OFF SITE AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPLACING, REPAIRING, MENDING, ETC, ANY DAMAGES TO THE WASH PIT AREA, INCLUDING BUT NOT NECESSARILY LIMITED TO TEARS OR DISLODGED SAND BAGS, LINER, ETC. AT NO ADDITIONAL COST TO THE OWNER.

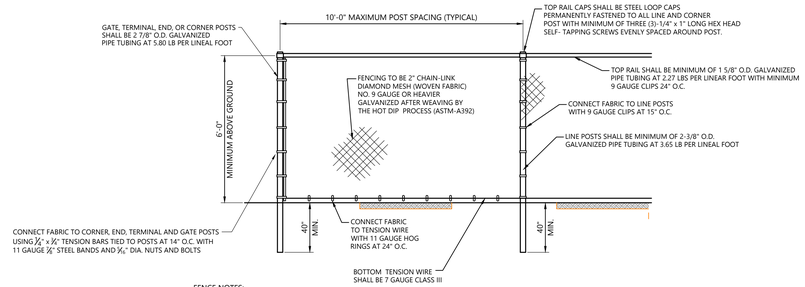


MANUFACTURED DEVICE INLET PROTECTION DETAILS

N.T.S.

NOTES:

1. FRAMES WITH EITHER SQUARE OR CIRCULAR BASES MAY BE USED. SELECTED FRAME BASE SHOULD PROVIDE BEST SEAL AROUND INLET AS DIRECTED BY OWNER'S REPRESENTATIVE.
2. FILL POCKETS AROUND BASE OF FILTER COVER WITH ALDOT #57 STONE. STONE IS REQUIRED WHEN ANCHORING THE MANUFACTURED INLET PROTECTION DEVICE OVER PAVED DITCH OR FLUME.
3. REMOVE SEDIMENT FROM AROUND THE MANUFACTURED INLET PROTECTION DEVICE WHEN SEDIMENT HAS REACHED 1/2 THE DOME HEIGHT TAKING CARE NOT TO DAMAGE THE FABRIC DURING SEDIMENT REMOVAL.
4. REPLACE #57 STONE AND FABRIC WHEN DAMAGED OR BECOMES CLOGGED WITH SEDIMENT AND DOES NOT DRAIN PROPERLY.

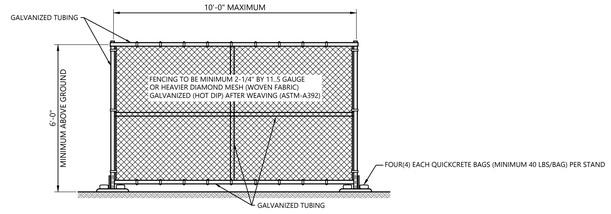


FENCE NOTES:

1. MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.
2. ALL POST SHALL BE INSTALLED VERTICALLY. WHERE POST ARE INSTALLED ON AN INCLINE SURFACE, THE ANGLE OF THE POST SHALL BE ADJUSTED SO THAT THE POST WILL BE VERTICAL.
3. THE FENCEING SHALL BE #9 GAGE FENCE FABRIC, STANDARD 2-INCH CHAIN LINK DIAMOND MESH.
4. WINDSCREEN SHALL BE INSTALLED ON THE OUTSIDE OF THE FENCE UNLESS DIRECTED OTHERWISE BY THE OWNER. WINDSCREEN TO BE 90% WOVEN PRIVACY/WIND SCREEN, BLACK IN COLOR.
5. ALL POSTS SHALL BE EMBEDDED IN GROUND OR ASPHALT SURFACES; ANCHOR PLATES/BOLTS MOUNTED TO GROUND SURFACE SHALL ONLY BE USED WITH PRIOR APPROVAL FROM THE OWNER'S REPRESENTATIVE. TEMPORARY STANDS OR FENCE BASES SHALL NOT BE ALLOWED.
6. 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.
7. ALL MATERIALS INCLUDING BUT NOT NECESSARILY LIMITED TO GATES, POSTS, RAILS, WIRE MESH FENCING, WINDSCREEN, ETC. SHALL BE NEW MATERIALS UNLESS APPROVED IN WRITING BY THE OWNER OR SPECIFIED OTHERWISE WITHIN THE PLANS / SPECIFICATIONS.
8. GATE FRAMES SHALL BE MINIMUM OF 1 5/8" O.D. GALVINIZED PIPE TUBING AT 2.27 LB PER LINEAR FOOT, WITH CHAIN-LINK FENCING AND WIND SCREEN.

TEMPORARY SITE CONSTRAINT FENCING (POST-DRIVEN)

N.T.S.

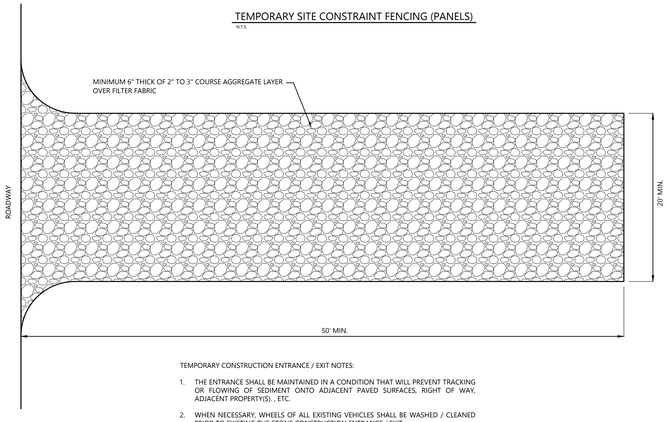


PANEL SITE FENCE NOTES:

1. MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.
2. ALL TUBING TO BE MINIMUM 1-3/8" O.D. HOT DIPPED GALVANIZED, 16 GAUGE OR HEAVIER.
3. 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.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ATTACHING EACH SECTION OF FENCE PANEL WITH CLAMPS AND FOR ENSURING ALL SECTIONS OF FENCE PANELS STAY CONNECTED AND IN POSITION AT ALL TIMES WITH NO GAPS OR OPEN AREAS.

TEMPORARY SITE CONSTRAINT FENCING (PANELS)

N.T.S.

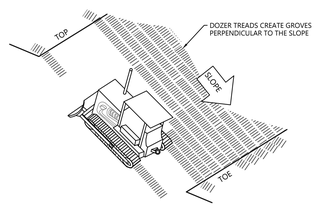


TEMPORARY CONSTRUCTION ENTRANCE / EXIT NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ADJACENT PAVED SURFACES, RIGHT OF WAY, ADJACENT PROPERTY(S), ETC.
2. WHEN NECESSARY, WHEELS OF ALL EXISTING VEHICLES SHALL BE WASHED / CLEANED PRIOR TO EXISTING THE STONE CONSTRUCTION ENTRANCE / EXIT.
3. WHEN WASHING IS REQUIRED, ALL RUN-OFF SHALL BE DIRECTED TO AND THROUGH PROPER EROSION CONTROL BMP'S.
4. CRUSHED STONE SURFACES USED FOR THE ENTRANCE / EXIT SHALL BE AMENDED, REWORKED, REPLACED, ETC. AS NECESSARY DUE TO BUILD-UP OF SEDIMENT, INEFFECTIVENESS, ETC. AT NO ADDITIONAL COSTS TO THE PROJECT.

TEMPORARY CONSTRUCTION ENTRANCE / EXIT

N.T.S.



SURFACE ROUGHENING

N.T.S.

WARD|SCOTT|MORRIS
ARCHITECTURE
TUSCALOOSA | HUNTSVILLE
1606 PAUL W. BRYANT DRIVE TUSCALOOSA, ALABAMA 35401
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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

ALABAMA LICENSED PROFESSIONAL ENGINEER LEE PRESTON COKER NO. 24047 PROFESSIONAL 11/16/2026

BID SET

DATE: 11/16/26
PROJ NO: 26-037

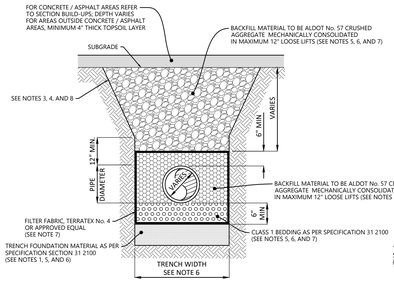
REVISIONS		
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STANDARD DETAILS

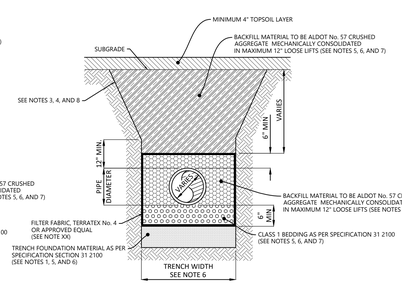
C5.3

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CIVIL ENGINEERING • SURVEYING • PLANNING

FILE NAME: Maplesville-Details	DRAWN BY: W T B
PROJECT NUMBER: 26-141	CHECKED BY: L E P

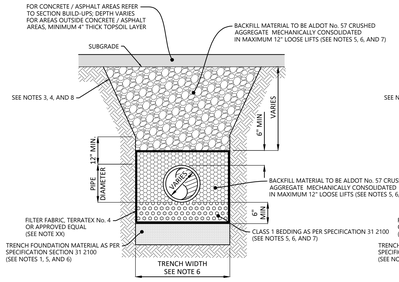


PROPOSED CONCRETE / PAVEMENT AREAS

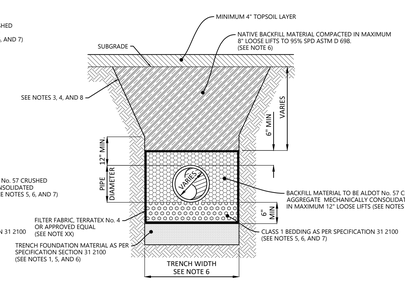


OUTSIDE CONCRETE / PAVEMENT AREAS

SANITARY SEWER TRENCH DETAILS
N.T.S.

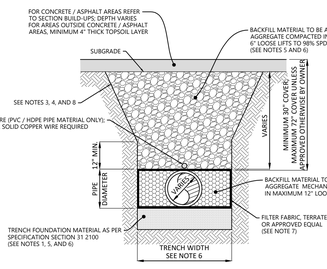


PROPOSED CONCRETE / PAVEMENT AREAS

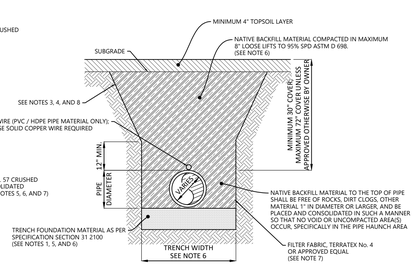


OUTSIDE CONCRETE / PAVEMENT AREAS

STORM SEWER TRENCH DETAILS
N.T.S.



PROPOSED CONCRETE / PAVEMENT AREAS

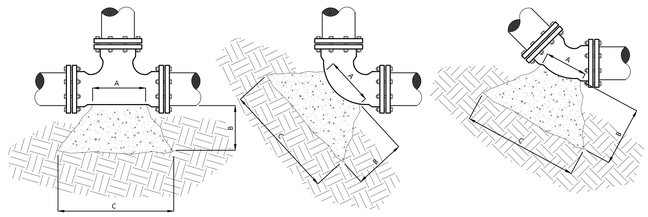


OUTSIDE CONCRETE / PAVEMENT AREAS

WATER MAIN TRENCH DETAILS
N.T.S.

TRENCH NOTES:

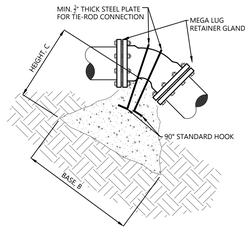
1. TRENCH FOUNDATION REQUIRED ONLY AS DIRECTED BY OWNER'S REPRESENTATIVE WHEN EXISTING SOIL CONDITIONS CANNOT PROVIDE ADEQUATE PIPE SUPPORT. ANY USE OF TRENCH FOUNDATION MATERIAL WITHOUT DIRECION FROM THE OWNER'S REPRESENTATIVE SHALL BE AT THE CONTRACTOR'S EXPENSE.
2. ALL TRENCH BACKFILL OPERATIONS SHALL BE OBSERVED BY THE OWNER'S REPRESENTATIVE ON THE PROJECT. HOWEVER, THE PRESENCE OF THE OWNER'S REPRESENTATIVE SHALL NOT RELIEVE THE CONTRACTOR OF ANY REQUIREMENTS OR OBLIGATIONS ASSOCIATED WITH ALL UTILITY TRENCHES, BACKFILL, COMPACTION, SAFETY, ETC.
3. ALL SLOPES SHALL CONFORM TO OSHA REQUIREMENTS. ADDITIONAL PROTECTIVE MEASURES MAY BE REQUIRED ABOVE AND BEYOND OSHA DEPENDING ON SPECIFIC TRENCH CONDITIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF WORKERS, THE GENERAL PUBLIC, AND OTHERS INVOLVED IN THE PROJECT AND SHALL PROVIDE SHEETING, BRACING, OR WHATEVER ACTION NECESSARY TO INSURE THE SAFETY OF PEOPLE, PROPERTY, AND STRUCTURES.
4. THE LINES AND TRENCHES SHOWN ON THE TRENCH DETAILS ARE ONLY INTENDED TO DEFINE THE BACKFILL REQUIREMENTS AND THE MINIMUM DIMENSIONS AND CONFIGURATIONS FOR THE TRENCH. IT IS THE CONTRACTOR'S RESPONSIBILITY TO "LAY BACK" THE TRENCH WALLS TO WHATEVER FLATNESS OF SLOPE(S) NECESSARY TO PROVIDE SAFE WORKING CONDITIONS FOR THE PLACEMENT OF THE PIPE, BACKFILL, BEDDING, FOUNDATION MATERIAL, COMPACTION, ETC.
5. ALL UTILITY TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPD ASTM D 698 UNLESS OTHERWISE NOTED BY ABOVE DETAILS. ANY AND ALL GRADATIONS OF CRUSHED STONE BACKFILL MATERIAL USED SHALL BE MECHANICALLY CONSOLIDATED.
6. THE WIDTH OF THE TRENCH SHALL BE WIDE ENOUGH TO ALLOW FOR PROPER PIPE INSTALLATION AND JOINING, PLACEMENT, COMPACTION / MECHANICAL CONSOLIDATION OF ALL BACKFILL, FILTER FABRIC INSTALLATION (WHERE APPLICABLE), ANY TRENCH SUPPORT SUCH AS BUT NOT NECESSARILY LIMITED TO SHEETING, SHORING, BRACING, TRENCH BOXES, ETC. OR OTHER ITEMS AS NECESSARY FOR MEETINGS ANY AND ALL OSHA SAFETY REQUIREMENTS.
7. FILTER FARBIC WRAP OF ALDOT No. 57 CRUSHED AGGREGATE, ALDOT No. 8910 CRUSHED AGGREGATE, SAND, OR OTHER FINE GRADED BACKFILL MATERIAL SHALL EXTEND TO THE BOTTOM OF THE UTILITY TRENCH IN SITUATIONS WHERE TRENCH BOXES OR OTHER STRUCTURAL SUPPORT SUCH AS SHEETING, SHORING, BRACING, TRENCH BOX, ETC OF TRENCH WALLS ARE NOT USED BY THE CONTRACTOR. THIS SHALL NOT DICTATE OR RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING ANY AND ALL PROTECTIVE MEASURES AND / OR SAFETY OF WORKERS, PROPERTY, GENERAL PUBLIC, ETC.
8. CONTRACTOR SHALL UTILIZE EITHER A SLOPE PLANE OR BENCHED INTERFACE IN AREAS OF PROPOSED CRUSHED AGGREGATE BASE COURSE IN ORDER TO PROPERLY TRANSFER LOAD FROM THE EXISTING AND REQUIRED SURFACES IN AREAS OF PAVEMENT REPAIRS. WHERE A SLOPED PLANE SURFACE IS NOT OBTAINABLE BASED UPON MATERIAL CONDITIONS OR AS DIRECTED BY OWNER'S REPRESENTATIVE, A BENCHED SURFACE SHALL BE UTILIZED AS SHOWN ON THE DETAIL. THE SLOPE PLANE OR BENCHED SURFACE SHALL BE A MAXIMUM 45 DEGREE ANGLE. THE AREA OUTSIDE OF THE SLOPE PLANE OR BENCHED SURFACE SHALL BE UNDISTURBED, WITH ANY AND ALL LOOSE OR UNSUITABLE MATERIAL REMOVED PRIOR TO PLACEMENT OF THE REQUIRED CRUSHED AGGREGATE BASE COURSE.



HORIZONTAL THRUST BLOCKS
N.T.S.

HORIZONTAL THRUST BLOCKS

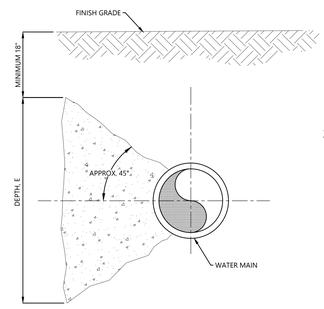
PIPE SIZE D	BLOCK DIMENSION A	B	C	DEPTH, E	FITTING TYPE
6" OR LESS	10"	2'-0"	2'-6"	2'-6"	90°, 45°, 22 1/2°, 11 1/4° BEND
6" OR LESS	10"	2'-0"	2'-6"	2'-6"	DEAD ENDS, TEES
8"	10"	2'-0"	3'-0"	2'-6"	90°, 45°, 22 1/2°, 11 1/4° BEND
8"	10"	2'-0"	3'-0"	2'-6"	DEAD ENDS, TEES
10"	1'-2"	3'-0"	3'-6"	3'-0"	90°, 45°, 22 1/2°, 11 1/4° BEND
10"	1'-2"	3'-0"	3'-6"	3'-0"	DEAD ENDS, TEES
12"	1'-2"	3'-0"	4'-6"	3'-6"	90°, 45°, 22 1/2°, 11 1/4° BEND
12"	1'-2"	3'-0"	4'-6"	3'-6"	DEAD ENDS, TEES
14"	1'-6"	3'-6"	5'-0"	4'-0"	90°, 45°, 22 1/2°, 11 1/4° BEND
14"	1'-6"	3'-6"	5'-0"	4'-0"	DEAD ENDS, TEES
16"	1'-6"	3'-6"	5'-0"	5'-0"	90°, 45°, 22 1/2°, 11 1/4° BEND
16"	1'-6"	3'-6"	5'-0"	5'-0"	DEAD ENDS, TEES



VERTICAL THRUST BLOCK
N.T.S.

VERTICAL THRUST BLOCKS

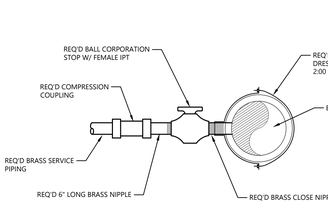
PIPE SIZE D	CY REQ'D	BASE, B	HEIGHT C	ANCHOR SIZE	ANCHOR EMBEDMENT
6" OR LESS	2.7	8' x 8'	4'-0"	3/4"	2'-0" MINIMUM
8"	4.0	9' x 9'	4'-6"	3/4"	2'-0" MINIMUM
10"	6.0	10' x 10'	5'-0"	3/4"	2'-0" MINIMUM
12"	8.5	12' x 12'	6'-0"	3/4"	2'-0" MINIMUM
14"	11.5	13' x 13'	6'-6"	3/4"	2'-0" MINIMUM
16"	14.8	14' x 14'	7'-0"	3/4"	2'-0" MINIMUM



TYPICAL SECTION THROUGH HORIZONTAL THRUST BLOCK
N.T.S.

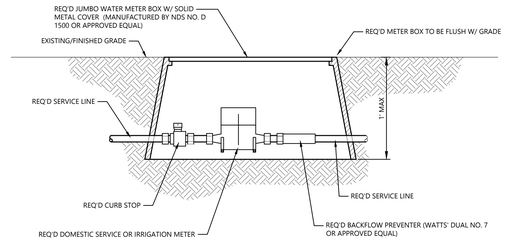
THRUST BLOCK NOTES:

1. ALL THRUST BLOCKS SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI.
2. ALL THRUST BLOCKS SHALL BE POURED IN-PLACE AGAINST UNDISTURBED, SUITABLE EARTHEN OR ROCK MATERIAL. CONCRETE SHALL BE POURED IN ONE MONOLITHIC POUR WITH NO JOINTS, SEAMS, ETC.
3. ALL PORTIONS OF THE FITTINGS, CONNECTION, PIPE, ETC. COMING IN CONTACT WITH THE THRUST BLOCK CONCRETE SHALL BE COVERED WITH PLASTIC MATERIAL (MINIMUM 0.10 MIL).
4. ALL RODS FOR VERTICAL THRUST BLOCKS SHALL BE A-36 STEEL AND BE COMPLETELY COATED IN-PLACE WITH A BITUMINOUS TAR COATING AFTER INSTALLATION IS COMPLETE.



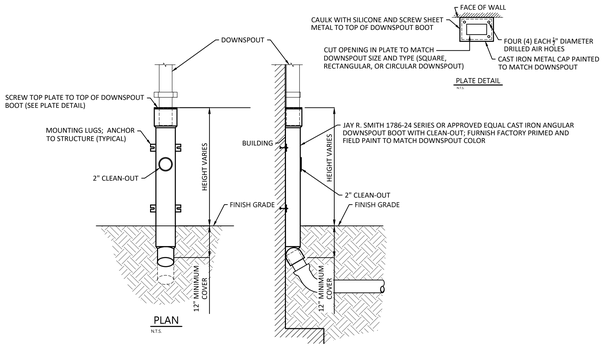
NOTES:
1. SEE WATER DISTRIBUTION PLAN SHEETS FOR SERVICE PIPING SIZES AND MATERIALS.
2. THE CONTRACTOR SHALL USE DOUBLE STRAP TAPPING SADDLES WHEN TAPPING CAST IRON WATERMAINS AND DIRECT TAPS WHEN TAPPING DUCTILE IRON WATER MAIN.

WATER SERVICE CONNECTION AT MAIN
N.T.S.



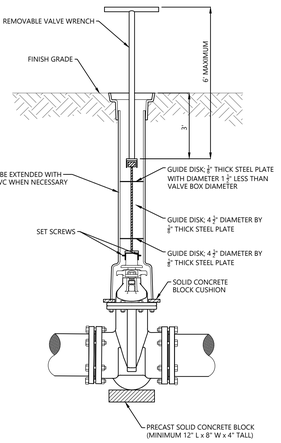
NOTES:
1. IN VEGETATED AREAS, THE CONTRACTOR SHALL INSTALL A STANDARD JUMBO PLASTIC METER BOX (13" x 20" x 12") WITH A SOLID METAL LID. LID TO BE DFW MODEL 15 OR APPROVED EQUAL
2. ALL METERS SHALL HAVE A BACKFLOW PREVENTER INSTALLED.
3. IN CONCRETE AREAS, THE CONTRACTOR SHALL INSTALL A BCF SERIES METER BOX (13" x 24" x 12") WITH A SOLID METAL LID OR APPROVED EQUAL

TYPICAL METER ASSEMBLY (DOMESTIC/IRRIGATION)
N.T.S.

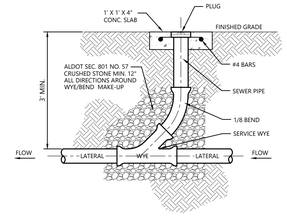


DOWNSPOUT BOOT NOTES:
1. THE PURPOSE OF THE DOWNSPOUT BOOT IS TO TRANSITION FROM THE DOWNSPOUT LEADER TO THE STORM SEWER SYSTEM WITH A DURABLE FIXTURE TO ENSURE PROPERLY SEALED AND NEAT CONNECTION MADE.
2. CONNECTION TO BE MADE SUCH THAT THE TIE-IN TO THE STORM SEWER SYSTEM PIPING IS BELOW GRADE A MINIMUM OF 12".
3. FOR BOOTS LOCATED IN CONCRETE SURFACES, EXPANSION JOINT MATERIAL SHALL BE INSTALLED AROUND THE ENTIRE PERIMETER OF THE BOOT AT THE CONCRETE SURFACE TO LIMIT CRACKING OF THE CONCRETE.

DOWNSPOUT BOOT DETAIL
N.T.S.



VALVE BOX AND OPERATING NUT EXTENSION DETAIL
N.T.S.



SANITARY SEWER CLEANOUT
N.T.S.

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CIVIL ENGINEERING • SURVEYING • PLANNING

FILE NAME: Maplesville-Details	DRAWN BY: W T B
PROJECT NUMBER: 26-141	CHECKED BY: L E P

WARD | SCOTT | MORRIS
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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

ALABAMA PROFESSIONAL ENGINEER CERTIFICATION NO. 24047 11/16/2026

BID SET

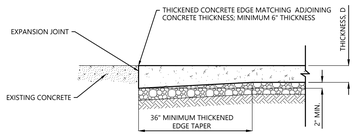
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PROJ NO: 26-037

REVISIONS

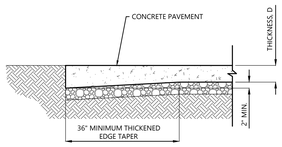
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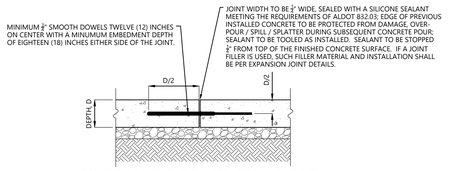
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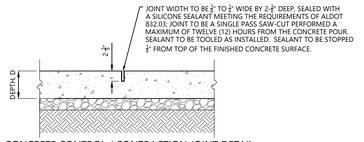
THICKENED EDGE DETAIL FOR CONCRETE ABUTTING TO EXISTING CONCRETE
N.T.S.



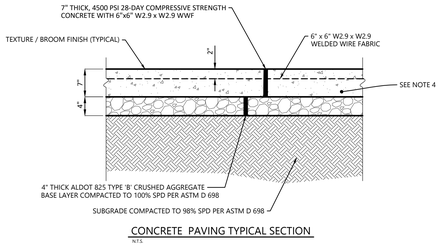
THICKENED EDGE DETAIL FOR CONCRETE PERIMETER
N.T.S.



CONCRETE PAVEMENT CONSTRUCTION JOINT DETAIL
N.T.S.



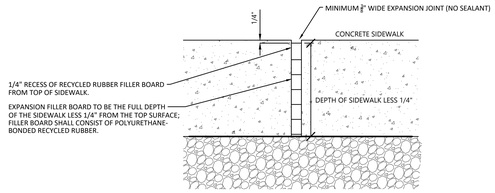
CONCRETE CONTROL / CONTRACTION JOINT DETAIL
N.T.S.



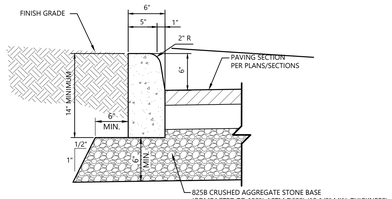
CONCRETE PAVING TYPICAL SECTION
N.T.S.

CONCRETE NOTES:

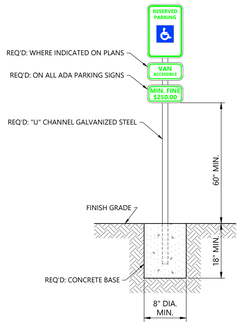
1. EXPANSION JOINTS REQUIRED AS PER THE CONCRETE MANUFACTURES / SUPPLIERS RECOMMENDATIONS. THE CONTRACTOR SHALL PROVIDE A PLAN INDICATING THE PROPOSED EXPANSION JOINT LOCATIONS FOR APPROVAL.
2. CONTRACTOR SHALL INSTALL SCORED / CONTROL JOINTS AS INDICATED ON THE PLANS AND / OR AS DIRECTED IN THE FIELD BY THE OWNER'S REPRESENTATIVE. SUCH JOINTS MAY BE SAW-CUT OR HAND-TOOLED. IF SAW-CUT, JOINTS SHALL BE INSTALLED A MAXIMUM OF TWELVE (12) HOURS FROM THE BEGINNING OF THE INITAL POUR OF THE CONCRETE SECTION. JOINT PATTERN(S) SHALL BE APPROVED BY THE OWNER PRIOR TO PLACEMENT OF CONCRETE.
3. EXPANSION JOINTS SHALL BE INSTALLED IN ALL LOCATIONS WHERE NEW IMPROVEMENTS MEET EXISTING INFRASTRUCTURE.
4. WHEN CONNECTION TO EXISTING CONCRETE PAVEMENT, TAPERED PLATE (OR SMOOTH BAR) DOWELS PER THE ABOVE DETAILS TO BE UTILIZED



CONCRETE EXPANSION JOINT DETAIL
N.T.S.



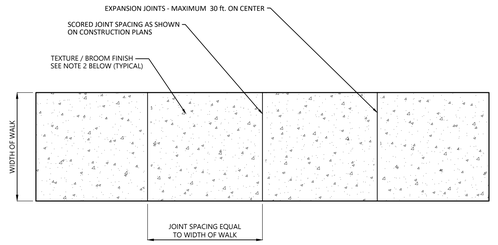
6" STANDUP CURB
N.T.S.



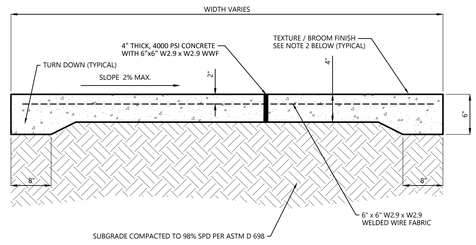
ADA SIGN PLACEMENT DETAIL
N.T.S.



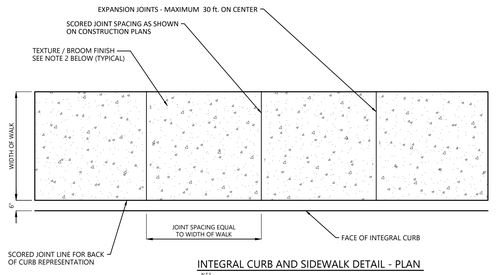
ADA PARKING SIGN W/ VAN ACCESSIBLE
N.T.S.



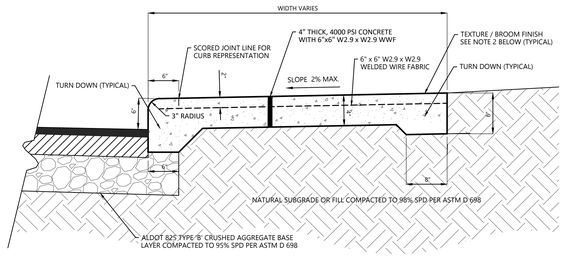
STAND ALONE SIDEWALK DETAIL - PLAN
N.T.S.



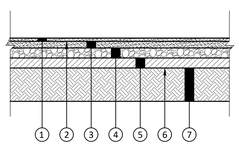
STAND ALONE SIDEWALK DETAIL - SECTION
N.T.S.



INTEGRAL CURB AND SIDEWALK DETAIL - PLAN
N.T.S.

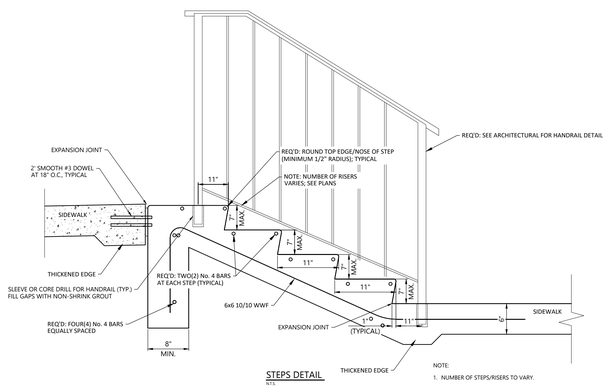


INTEGRAL CURB AND SIDEWALK DETAIL - SECTION
N.T.S.



STANDARD DUTY ASPHALT PAVING SECTION
N.T.S.

1. REQ'D: SUPERPAVE BITUMINOUS CONCRETE WEARING SURFACE LAYER, 3/8" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (ALDOT 424A) (165 LB/SY)
2. REQ'D: TACK COAT (TRACKLESS TACK) (ALDOT 405A)(0.10 GAL/SY)
3. REQ'D: SUPERPAVE BITUMINOUS CONCRETE BINDER LAYER, 1" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C/D (ALDOT 424B) (220 LB/SY)
4. REQ'D: CRUSHED AGGREGATE BASE COURSE (ALDOT 825B) (6" COMPACTED THICKNESS) (COMPACTED TO 100% ASTM D 698)
5. REQ'D: SUBGRADE (ROADBED PROCESSED, COMPACTED TO 98% ASTM D 698) (6" MIN THICKNESS) (AS DIRECTED BY THE OWNER'S REPRESENTATIVE)
6. REQ'D: UNCLASSIFIED/BORROW EXCAVATION (COMPACTED TO 98% ASTM D 698)
7. REQ'D: UNDERCUT AS REQUIRED (AS DIRECTED BY OWNER'S REPRESENTATIVE)



STEPS DETAIL
N.T.S.

SIDEWALK / CONCRETE PAVEMENT NOTES:

1. REFER TO SPECIFICATION SECTION 32-1320 FOR SIDEWALK REQUIREMENTS NOT INDICATED HERE.
2. EXPANSION JOINTS REQUIRED AT 30' MAXIMUM INTERVALS. CONTRACTOR SHALL INSTALL SCORED JOINTS AT INTERVALS THAT MATCH THE SIDEWALK WIDTH, I.E. IF THE SIDEWALK IS 6 FEET WIDE, THEN SCORING SPACING SHALL BE AN EQUIVALENT 6 FEET.
3. SCORED / CONTROL JOINTS SHALL BE HAND-TOOLED ONLY IN LOCATIONS AS INDICATED BY THE SCORING PATTERN INDICATED ON THE CONSTRUCTION PLANS AND / OR AS DIRECTED IN THE FIELD BY THE OWNER'S REPRESENTATIVE. JOINT PATTERN(S) SHALL BE APPROVED BY THE OWNER PRIOR TO PLACEMENT OF CONCRETE. JOINTS SHALL BE INSTALLED AT A DEPTH OF ¼ THICKNESS OF THE SLAB. NO SAW-CUT OF JOINTS IS ALLOWED.
4. SIDEWALKS SHALL HAVE AN EXPANSION JOINT INSTALLED IN ALL LOCATIONS WHERE NEW IMPROVEMENTS MEET EXISTING INFRASTRUCTURE.
5. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 1.85%.
6. ALL CRUSHED STONE AGGREGATE SHALL BE MECHANICALLY COMPACTED IN-PLACE TO 95% SPD PER ASTM D 698.
7. WHEN CONNECTION TO EXISTING SIDEWALK, ¾" DIAMETER SMOOTH DOWELS WITH A MINIMUM SPACING OF 18" ON CENTER AND A MINIMUM EMBEDMENT OF 12" EITHER WAY SHALL BE DRILLED AND EPOXYED INTO THE EXISTING SIDEWALK.

WARD | SCOTT | MORRIS
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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY 139, MAPLESVILLE AL 36750

ALABAMA No. 24047 PROFESSIONAL ENGINEER 11/16/2026 NATIONAL COUNCIL

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

STANDARD DETAILS

C5.5

DUNCAN ▫ COKER ASSOCIATES
CIVIL ENGINEERING • SURVEYING • PLANNING

FILE NAME: Maplesville-Details	DRAWN BY: W T B
PROJECT NUMBER: 26-141	CHECKED BY: L E P

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE BETWEEN ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER DRAWINGS:
   A. ANY DISCREPANCIES OR CONFLICTS BETWEEN DRAWINGS OF DIFFERENT DISCIPLINES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CONTRACTOR SHALL NOT PROCEED WITH SHOP DRAWING PREPARATION OR ANY CONSTRUCTION UNTIL THE ARCHITECT HAS GIVEN DIRECTION OF RESOLUTION FOR THE DISCREPANCY OR CONFLICT.
   B. NOT ALL OPENINGS AND OTHER COMPONENTS THAT ARE REQUIRED HAVE BEEN SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE AND VERIFY THE LOCATIONS AND SIZES OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS AT FLOORS, WALLS, AND ROOFS BETWEEN DRAWINGS OF DIFFERENT DISCIPLINES.
2. IN THE CASE OF INCONSISTENCIES BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT, A BIDDER WILL BE DEEMED TO HAVE INCLUDED IN ITS BID THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK INVOLVED UNLESS THE BIDDER ASKED FOR AND OBTAINED THE ARCHITECT'S WRITTEN CLARIFICATION OF THE REQUIREMENTS BEFORE SUBMISSION OF BID.
3. ALL DIMENSIONS SHOWN TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS. DO NOT SCALE THE DRAWINGS.
4. THE DETAILS PROVIDED ON SHEETS LABELED AS "TYPICAL DETAILS" APPLY GENERALLY TO THE DRAWINGS IN AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS, UNLESS NOTED OTHERWISE.
5. ALL OF THE CONTRACTOR'S PROPOSED SUBSTITUTIONS ARE CONSIDERED CHANGE ORDERS AND SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND/OR APPROVAL PRIOR TO ANY PERTINENT WORK OR FABRICATION.
6. CONSTRUCTION METHODS, PROCEDURES AND SEQUENCES ARE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL TAKE ALL THE NECESSARY MEANS TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION, NEW AND EXISTING, AT ALL STAGES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
   A. BRACE ALL BASEMENT-TYPE WALLS RETAINING EARTH UNTIL RESTRAINING SLABS/FLOORS HAVE BEEN INSTALLED AND REACHED REQUIRED DESIGN STRENGTH.
   B. BRACE/SHORE ALL WALLS AS REQUIRED TO MAINTAIN STABILITY DURING CONSTRUCTION.
   C. SHORE EXISTING FLOORS, WALLS, AND/OR ROOFS AS REQUIRED DURING DEMOLITION OF ANY PORTION OF EXISTING STRUCTURE UNTIL NEW SUPPORT FRAMING HAS BEEN INSTALLED.
7. ALL STRUCTURAL MEMBERS, AS SHOWN, HAVE BEEN DESIGNED TO CARRY IN PLACE DESIGN LOADS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF ANY LOADS AND FORCES IMPOSED DURING CONSTRUCTION, TRANSPORTATION, ERECTION, AND HANDLING . THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LIVE LOADS INDICATED ON THE STRUCTURAL DRAWINGS AND THAT THESE LOADS ARE NOT IMPOSED ON THE STRUCTURAL MEMBERS PRIOR TO THE TIME THAT CONCRETE REACHES THE FULL SPECIFIED DESIGN STRENGTH, STEEL MEMBERS AND THEIR CONNECTIONS ARE FULLY BOLTED AND / OR WELDED AND ALL OTHER FRAMING MEMBERS AND THEIR CONNECTIONS ARE IN PLACE.
8. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO ANY PERTINENT WORK OR FABRICATION. ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE NOTED ON THE SHOP DRAWINGS.
9. ALL CONSTRUCTION JOINTS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE. ADDITIONAL CONSTRUCTION JOINTS TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON THE SHOP DRAWINGS FOR REVIEW.
10. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED.

SHOP DRAWINGS / SUBMITTALS

1. SHOP DRAWING SUBMITTAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE PROJECT CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SHALL FOLLOW INDUSTRY GUIDELINES AND STANDARDS.
2. ALL QUESTIONS, CLARIFICATIONS, OR MODIFICATIONS OF THE CONTRACT DOCUMENTS SHALL BE CLEARLY DOCUMENTED AND INDICATED ON THE SHOP DRAWING TRANSMITTAL OR COVER SHEET. ITEMS SHALL NOT BE CONSIDERED APPROVED UNLESS SPECIFICALLY ADDRESSED BY MBA IN THE REVIEW COMMENTS.
3. ALL SHOP DRAWINGS ARE TO BE NEWLY PREPARED. REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS FOR USE AS ERECTION DRAWINGS WILL NOT BE PERMITTED. SHOULD SHOP DRAWING SUBMITTALS CONTAIN ANY REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS, THEY WILL BE REJECTED AND RETURNED WITHOUT ENGINEER REVIEW.
   A. MBA MAY CONSIDER TRANSFERRING COMPUTER FILES, IN THE FORMAT CREATED, OF THE PLAN SHEETS TO PROJECT SUBCONTRACTORS TO ASSIST IN DEVELOPING SHOP DRAWINGS ON A CASE BY CASE BASIS. A SIGNED FILE TRANSFER AGREEMENT WILL BE REQUIRE PRIOR TO RELEASE OF MBA FILES.
4. CONTRACTOR TO REVIEW ALL SHOP DRAWING SUBMITTALS AND STAMP WITH APPROVAL PRIOR TO SUBMISSION TO ARCHITECT/ ENGINEER. SHOP DRAWINGS RECEIVED BY ARCHITECT/ENGINEER THAT HAVE NOT BEEN REVIEWED AND COORDINATED BY THE CONTRACTOR WILL BE RETURNED WITHOUT ARCHITECT/ENGINEER'S REVIEW. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING DIMENSIONS WHICH PERTAIN TO FABRICATION PROCESSES OR CONSTRUCTION TECHNIQUES PRIOR TO SUBMITTAL AND FOR COORDINATION OF WORK OF ALL TRADES.
5. CONTRACTOR MAY PROVIDE REVIEWED AND APPROVED SUBMITTALS IN AN ELECTRONIC .PDF FORMAT FOR ENGINEER REVIEW AND APPROVAL. IN LIEU OF ELECTRONIC SUBMITTALS, CONTRACTOR MAY PROVIDE NO MORE THAN FOUR PAPER COPIES OF EACH STRUCTURAL SHOP DRAWING SUBMITTAL TO THE ENGINEER. THE STRUCTURAL ENGINEER WILL REVIEW AND RETURN TWO OF THE COPIES TO THE ARCHITECT. ADDITIONAL COPIES REQUIRED BY THE CONTRACTOR SHALL BE MADE BY THE CONTRACTOR AFTER THE REVIEW PROCESS.
6. MBA REVIEW OF SHOP DRAWING SUBMITTALS IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. REVIEW AND/OR APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OR FOR ERRORS/ OMISSIONS IN THE SHOP DRAWINGS.
7. RESUBMITTED SHOP DRAWINGS SHALL HAVE CHANGES AND/OR ADDITIONS CLEARLY INDICATED. REVIEW OF RESUBMITTED SHOP DRAWINGS IS LIMITED TO THE ITEMS REQUIRING CORRECTION ON THE PREVIOUS SUBMITTAL.

EQUIPMENT NOTES

1. CONTRACTOR SHALL COORDINATE BETWEEN DRAWINGS TO VERIFY ALL EQUIPMENT WEIGHTS, LOCATIONS, AND/OR PENETRATIONS. THIS INFORMATION SHALL BE PROVIDED TO SUBCONTRACTORS PERFORMING DELEGATED DESIGN AND SHALL BE IDENTIFIED ON THE CORRESPONDING SUBMITTAL.
2. EQUIPMENT LOADS CONSIDERED IN THIS DESIGN ARE SHOWN ON PLANS THUSLY (1400#). THE STRUCTURAL ENGINEER SHALL BE NOTIFIED AND ALLOWED TO MODIFY THE DESIGN AS REQUIRED IF FINAL EQUIPMENT WEIGHTS ARE HEAVIER OR THE EQUIPMENT LAYOUT DIFFERS FROM THE APPROXIMATE LAYOUT SHOWN ON THE PLAN.
3. CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S CERTIFIED DRAWINGS, SPECIFICATIONS AND/OR OTHER REQUIREMENTS FOR ATTACHING THE EQUIPMENT TO THE STRUCTURE. IF STRUCTURAL MEMBERS CONFLICT WITH ATTACHMENT, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED AND ALLOWED TO MODIFY THE DESIGN AS REQUIRED TO ACCOMMODATE THE MANUFACTURER'S REQUIREMENTS.

SITE AND FOUNDATION

1. THE DESIGN OF FOUNDATIONS AND RELATED COMPONENTS IS BASED ON THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY TERRACON, PROJECT NO. 1000057219, DATED 09/30/2026. THE GENERAL CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS AND RECOMMENDATIONS IN THE REPORT.
2. ALLOWABLE SOIL BEARING PRESSURES (PSF):
   ISOLATED FOOTINGS 2000
   CONTINUOUS FOOTINGS 2000
3. EXCAVATE, WHERE REQUIRED, TO BUILDING AND STRUCTURE SUBGRADE.
4. PROOF-ROLL THE AREA UNDER THE BUILDING, PLUS 5'-0" ON ALL SIDES, WITH A LOADED DUMP TRUCK TO LOCATE ANY WEAK AREAS. A GEOTECHNICAL ENGINEER IS TO BE PRESENT DURING THIS OPERATION. ANY SOFT AREAS DETECTED ARE TO BE UNDERCUT AND REPLACED WITH ENGINEERED FILL.
5. ACCEPTABLE FILL MATERIAL SHALL BE FREE OF ORGANICS, AND HAVE A P.I. OF LESS THAN 25, L.L. OF LESS THAN 50 AND A MAXIMUM DRY DENSITY OF GREATER THAN 100 PCF. CRUSHED STONE BACKFILL TO MEET REQUIREMENTS OF A.H.D. No. 57 STONE. DRAINAGE FILL SUPPORTING SLABS SHALL MEET THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER.
6. FILL, WHERE REQUIRED, IS TO BE PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 98% STANDARD PROCTOR (ASTM D-698), WITHIN ±2% OF OPTIMUM MOISTURE CONTENT.
7. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE FINAL FOUNDATION DESIGN TO VERIFY THAT ALL FOUNDATION SYSTEMS, INCLUDING SLAB ON GRADE DESIGN AND DETAILING, COMPLIES WITH THE GEOTECHNICAL PARAMETERS INCLUDED IN THE GEOTECHNICAL REPORT. WRITTEN VERIFICATION OF THIS REVIEW SHALL BE SUBMITTED TO THE ARCHITECT TWO WEEKS BEFORE FINAL PRICING/BID DATE.

CONCRETE MASONRY

1. MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.1 SPECIFICATION OR TMS 402/602.
2. MASONRY COMPRESSIVE STRENGTH (f'm) SHALL BE 1900 PSI BASED ON THE UNIT STRENGTH METHOD OR VERIFIED BY PRISM TESTS IN ACCORDANCE WITH ASTM C 1314.
3. MORTAR SHALL BE TYPE S OR M.
4. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
5. NO REINFORCING BAR SHALL BE WELDED IN ANY MANNER, UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS.
6. BLOCK FILL SHALL BE GROUT WITH AN 8" TO 11" SLUMP, PROPORTIONED PER ASTM C 476 OR ATTAINING 3000 PSI AT 28 DAYS PER ASTM C 1019. DO NOT USE MORTAR AS BLOCK FILL.
7. ALL GROUT SHALL BE CONSOLIDATED AT TIME OF PLACEMENT USING A LOW-VELOCITY MECHANICAL VIBRATOR WITH A 3/4-INCH HEAD. RE-CONSOLIDATE GROUT AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED. DO NOT PLACE NEXT LIFT OF GROUT UNTIL LOWER LIFT HAS BEEN RE-CONSOLIDATED.
8. ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE GROUTED SOLID. ALL LINTELS & BOND BEAMS SHALL BE GROUTED SOLID.
9. ALL BLOCK CELLS WHICH HAVE VERTICAL REINFORCING SHALL BE GROUTED FULL-HEIGHT IN 5'-0" LIFTS (MAXIMUM HEIGHT). PROVIDE 1 1/2" (MINIMUM) GROUT KEY BELOW MORTAR JOINT AT TOP OF EACH LIFT.
10. VERTICAL REINFORCING SHALL BE DOWELED TO FOOTING WITH HOOKED BARS AT THE BASE AND EXTEND FULL-HEIGHT INTO BOND BEAM AT THE TOP. WHERE SPLICES ARE NECESSARY, PROVIDE LAP LENGTH = 48 BAR DIAMETERS.
11. VERTICAL REINFORCING SHALL BE LOCATED IN THE CENTER OF THE BLOCK CELLS, UNLESS NOTED, AND SHALL BE HELD IN PLACE WITH BAR POSITIONERS (HECKMANN #376 OR HOHMANN & BARNARD #RB) PRIOR TO GROUTING. "WET-STICKING" OF REINFORCING SHALL NOT BE ALLOWED.
12. MINIMUM VERTICAL WALL REINFORCING IN ALL WALLS SHALL CONSIST OF ONE VERTICAL (MATCHING WALL REINF. BUT NOT LESS THAN #5) IN EACH CORNER, AT EACH DOOR & WINDOW JAMB & AT EACH SIDE OF CONTROL AND/OR EXPANSION JOINTS. PROVIDE ADDITIONAL VERTICAL REINFORCING AS SHOWN IN SECTIONS AND AS NOTED ON PLANS.
13. AT CORNERS AND INTERSECTIONS OF BOND BEAMS IN WALLS, PROVIDE CORNER BARS (48 DIAMETERS LONG EA. LEG) TO TIE WALLS TOGETHER. BAR DIAMETER SHALL MATCH BOND BEAM REINFORCING.
14. AT TOP OF ALL MASONRY WALLS (BEARING OR NON-BEARING), PROVIDE 8" DEEP CONTINUOUS BOND BEAM REINFORCED WITH 2#5 CONTINUOUS, UNLESS NOTED OTHERWISE.
15. WHERE CMU IS PLACED IN A STACK BOND PATTERN, HORIZONTAL WALL REINFORCING SHALL CONSIST OF A MINIMUM STANDARD (9 GAGE) LADDER-TYPE JOINT REINFORCING AT EVERY COURSE (8" O.C.) FOR 12" CMU OR AT EVERY OTHER COURSE (16" O.C.) FOR 8" CMU. COORDINATE W/ ARCHITECTURAL DRAWINGS. WHERE CMU IS PLACED IN A RUNNING BOND PATTERN, HORIZONTAL WALL REINFORCING SHALL CONSIST OF A MINIMUM STANDARD (9 GAGE) LADDER-TYPE REINFORCING AT EVERY OTHER COURSE (16" O.C.)
16. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR DETAILS AND LOCATIONS OF MASONRY CONTROL JOINTS. IF NOT OTHERWISE SHOWN, DO NOT EXCEED 30'-0" BETWEEN BLOCK WALL CONTROL JOINTS AND 20'-0" BETWEEN BRICK VENEER CONTROL JOINTS.
17. ANCHOR WALLS TO SUPPORTING STRUCTURES AS SHOWN ON THE STRUCTURAL AND ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING OF ALL MASONRY WALLS DURING CONSTRUCTION.
18. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS FOR ALL REINFORCING BARS INCLUDING DETAILS AT ALL OPENINGS AND ASSOCIATED ADDED REINFORCEMENT AS SHOWN ON TYPICAL DETAILS.

CONCRETE

1. CONCRETE CONSTRUCTION AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE WITH CURRENT ACI STANDARDS.
2. CONCRETE SCHEDULES

ITEM	28 DAY COMPRESSIVE STRENGTH
A. CONCRETE SLAB ON NON-COMPOSITE METAL DECK	4000 PSI NORMAL WEIGHT
B. CONCRETE IN CMU CELLS	3000 PSI GROUT
C. ALL OTHER CONCRETE	3000 PSI NORMAL WEIGHT

3. CONCRETE COVER OVER REINFORCING (U.N.O.)
   A. UNFORMED SURFACE IN CONTACT WITH EARTH: 3 IN.
   B. UNFORMED SURFACE OVER VAPOR BARRIER: 2 IN.
   C. FORMED SURFACES EXPOSED TO EARTH OR WEATHER
      #6 AND LARGER 2 IN
      #5 AND SMALLER 1 1/2 IN.
   D. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER
      WALLS, SLABS: 3/4 IN.
      COLUMNS, BEAMS: 1 1/2 IN. TO TIES
4. CONCRETE AT SLABS ON GRADE SHALL HAVE A NOMINAL MAXIMUM COARSE AGGREGATE SIZE OF 3/4 INCH. ADJUST PORTIONS OF COMBINED COARSE, INTERMEDIATE AND FINE AGGREGATES TO PROVIDE A COARSENESS FACTOR OF 60 TO 75%.
5. ALL REINFORCING SHALL CONFORM TO THE LATEST REVISION OF ASTM SPECIFICATION A615, GRADE 60 AND BE DETAILED IN ACCORDANCE WITH THE LATEST REVISION OF ACI STANDARD 315.
6. ALL WELDED WIRE REINFORCING (W.W.R.) SHALL CONFORM TO ASTM A-185. WELDED WIRE REINFORCING SHALL BE LAPPED A MINIMUM OF 1'-0" AND SHALL BE FURNISHED IN SHEETS ONLY (NO ROLLS).
7. NO REINFORCING BAR SHALL BE WELDED IN ANY MANNER, UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS.
8. AT CONTINUOUS WALL FOOTINGS, LONGITUDINAL REINFORCING BARS SHALL BE LAPPED 30 BAR DIAMETERS, BUT NOT LESS THAN 1'-0".
9. GRADE BEAM, ELEVATED BEAM, AND ELEVATED SLAB REINFORCING BARS SHALL BE SPLICED ONLY AS SHOWN ON THE DRAWINGS, EXCEPT THAT REINFORCING DESIGNATED AS "CONTINUOUS" SHALL HAVE A CLASS "B" LAP SPLICE (PER ACI 318). LAP SPLICES OF CONTINUOUS REINFORCING SHALL BE MADE OVER SUPPORTS FOR BOTTOM BARS AND FOR INTERMEDIATE BARS AND AT MID-SPAN FOR TOP BARS, AT EXTERIOR SUPPORTS, TOP AND BOTTOM BARS SHALL BE HOOKED AND INTERMEDIATE BARS SHALL EXTEND TO WITHIN 2" OF EXTERIOR FACE.
10. COLUMN AND WALL VERTICAL REINFORCING BARS SHALL BE LAPPED WITH A CLASS "B" SPLICE. WALL HORIZONTAL REINFORCING BARS SHALL BE LAPPED WITH A CLASS "B" TOP BAR SPLICE AT SPLICE POINTS. PROVIDE CORNER BARS FOR WALLS.
11. PROVIDE FULL EMBEDMENT FOR ALL DOWELS. IF NOT OTHERWISE SPECIFIED, DOWEL SIZE AND SPACING SHALL BE THE SAME AS MAIN REINFORCING.
12. CONSTRUCTION JOINTS IN CONCRETE BEAMS AND SLABS SHALL BE AT OR NEAR MIDSPAN. ALL CONSTRUCTION JOINTS TO BE KEYED.
13. HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED IN WALLS AND BEAMS, UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
14. CONDUIT, PIPES, AND SLEEVES SHALL NOT BE SPACED CLOSER THAN 3 DIAMETERS ON CENTER, NOT HAVE AN OUTSIDE DIAMETER GREATER THAN 1/3 THE OVERALL THICKNESS OF THE SLAB, WALL OR BEAM IN WHICH THEY ARE EMBEDDED, AND SHALL HAVE A MINIMUM COVER OF 1 1/2 INCH FOR CONCRETE EXPOSED TO EARTH OR WEATHER AND 3/4 INCH FOR CONCRETE NOT EXPOSED TO EARTH OR WEATHER.
15. PIPING AND CONDUIT SHALL BE SO FABRICATED AND INSTALLED THAT CUTTING, BENDING, OR DISPLACEMENT OF REINFORCEMENT FROM ITS PROPER LOCATION WILL NOT BE REQUIRED.
16. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS FOR ALL REINFORCING BARS INCLUDING DETAILS AT ALL OPENINGS AND ASSOCIATED ADDED REINFORCEMENT AS SHOWN ON TYPICAL DETAILS.

TENSION LAP SPLICE LENGTH

BAR SIZE	f'c = 3000 PSI TOP BARS A	TOP BARS B	OTHERS BARS A	OTHERS BARS B	f'c = 4000 PSI TOP BARS A	TOP BARS B	OTHERS BARS A	OTHERS BARS B
#3	22	28	17	22	19	24	15	19
#4	29	37	22	29	25	32	19	25
#5	36	47	28	36	31	40	24	31
#6	43	56	33	43	37	48	29	37
#7	63	81	48	63	54	70	42	54
#8	72	93	55	72	62	80	48	62
#9	81	105	62	81	70	91	54	70
#10	91	118	70	91	79	102	61	79
#11	101	131	78	101	87	113	67	87

POST-INSTALLED ANCHORS

1. ANCHOR CAPACITY USED IN DESIGN IS BASED UPON THE TECHNICAL DATA PUBLISHED BY THE MANUFACTURER. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED ON THE FOLLOWING: HAVING AN ICC-ES ESR OR IAPMO UES ER SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE.
2. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
3. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY USE OF HILTI FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS APPROVED BY THE ENGINEER OF RECORD. DO NOT CUT PRESTRESSED OR POST TENSIONED TENDONS WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
4. INSTALL ANCHORS PER THE MANUFACTURER PRINTED INSTALLATION INSTRUCTIONS.
5. UNLESS NOTED OTHERWISE, ALL ANCHORS SHALL BE INSTALLED WITH AN EMBEDMENT DEPTH EQUAL TO OR GREATER THAN MANUFACTURER STANDARD EMBEDMENT. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING A SYSTEM THAT IS APPROVED FOR SUCH INSTALLATIONS IN THE PRODUCT CODE REPORT.
6. UNLESS SPECIFICALLY NOTED ON THE DRAWINGS, APPROVED ANCHORS ARE AS FOLLOWS:
   A. ANCHORAGE TO CONCRETE
      1. ADHESIVE ANCHORS FOR CONCRETE USE:
         a. SIMPSON STRONG-TIE AT-3G ADHESIVE ANCHORING SYSTEM WITH THREADED RODS (ICC-ES ESR 5026).
         b. SIMPSON STRONG-TIE SET-3G ADHESIVE ANCHORING SYSTEM WITH THREADED RODS (ICC-ES ESR-4057) FOR SLOW CURE APPLICATIONS.
         c. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM WITH THREADED ROD (ICC-ES ESR-4868).
         d. HILTI HIT-RE 500-SD V3 EPOXY ADHESIVE ANCHORING SYSTEM WITH HAS-E THREADED ROD (ICC-ES ESR-4143) FOR SLOW CURE APPLICATIONS.
      2. MECHANICAL ANCHORS FOR CONCRETE USE:
         a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-2713).
         b. SIMPSON STRONG-TIE STRONG-BOLT 2 (ICC-ES ESR-3037).
         c. HILTI KWIK HUS-EZ AND KWIK HUS EZ-I SCREW ANCHORS (ICC-ES ESR-3027).
         d. HILTI KWIK BOLT-TZ2 EXPANSION ANCHORS (ICC-ES ESR-3814).
   B. REBAR DOWELING INTO CONCRETE
      1. ADHESIVE ANCHORS FOR CONCRETE USE:
         a. SIMPSON STRONG-TIE SET-3G ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR (ICC-ES ESR-4057).
         b. HILTI HIT-HY 200 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM WITH CONTINUOUSLY DEFORMED REBAR (ICC-ES ESR-4868).
         c. SIMPSON STRONG-TIE AT-3G ADHESIVE ANCHORING SYSTEM W/ CONTINUOUSLY DEFORMED REBAR (ICC-ES ESR-5026).
         d. HILTI HIT-RE 500-SD V3 EPOXY ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR (ICC-ES ESR-3814).
   C. ANCHORAGE TO SOLID GROUTED MASONRY
      1. ADHESIVE ANCHORS USE:
         a. SIMPSON STRONG-TIE SET-3G ADHESIVE ANCHORING SYSTEM WITH THREADED ROD OR REBAR (ICC-ES ESR-4844).
         b. HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM PER ICC ESR-4143. STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR.
      2. MECHANICAL ANCHORS USE:
         a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-1056).
         b. SIMPSON STRONG-TIE STRONG-BOLT 2 (IAPMO-UES ER-240).
         c. HILTI KWIK HUS-EZ SCREW ANCHOR (ICC-ES ESR-3056).
         d. HILTI KWIK BOLT-TZ2 EXPANSION ANCHORS (ICC-ES ESR-4266).
   D. ANCHORAGE TO UNREINFORCED MASONRY
      1. ADHESIVE ANCHORS USE:
         a. SIMPSON STRONG-TIE EG-3G (IAPMO UES ER-870 PENDING).
         b. HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM (ICC-ES ESR-4143).
         c. STEEL ANCHOR ELEMENT SHALL BE CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S RECOMMENDATION.

STRUCTURAL STEEL

1. DESIGN, CONSTRUCTION, QUALITY ASSURANCE, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CURRENT AISC STANDARDS.
2. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS SHOWING FABRICATION & ERECTION OF STRUCTURAL STEEL COMPONENTS PER THE PROJECT SPECIFICATIONS.
3. ALL STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992
4. ALL STRUCTURAL STEEL PLATES, ANGLES AND CHANNELS SHALL CONFORM TO ASTM A36.
5. ALL STRUCTURAL STEEL SQUARE, RECTANGULAR AND ROUND HSS SECTIONS SHALL CONFORM TO ASTM A500, GRADE B.
6. ALL STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B
7. FABRICATION AND ERECTION SHALL CONFORM TO AISC CODE OF STANDARD PRACTICE.
8. ALL WELDING SHALL CONFORM TO AWS STANDARDS. THICKNESS OF WELDS ARE AS SHOWN, SPECIFIED OR REQUIRED.
9. ALL BOLTED CONNECTIONS SHALL BE MINIMUM 3/4" DIAMETER, A325 HIGH STRENGTH BOLTS, UNLESS NOTED OTHERWISE.

STEEL JOIST

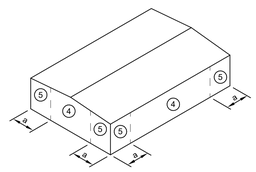
1. STEEL JOIST DESIGN, MANUFACTURE, AND QUALITY CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF SPECIFICATIONS BY THE STEEL JOIST INSTITUTE.
2. STEEL JOIST ERECTION, INSTALLATION, BRIDGING, ETC. SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF SPECIFICATIONS BY THE STEEL JOIST INSTITUTE.
3. A STEEL JOIST DESIGN PACKAGE SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW PRIOR TO FABRICATION AND ERECTION. THIS PACKAGE SHALL INCLUDE A PLACEMENT PLAN AND DESIGN CALCULATIONS BEARING THE SEAL AND SIGNATURE OF THE JOIST DESIGNER WHO SHALL BE REGISTERED IN THE PROJECT STATE.
4. ALL JOISTS SHALL BE WELDED TO SUPPORTING MEMBER AT EACH END PER ENGINEERS AND/OR MANUFACTURER'S REQUIREMENTS.
5. JOIST DESIGNER SHALL COORDINATE ALL EQUIPMENT WEIGHTS, CONCENTRATED LOADS AND LOCATIONS WITH THE GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL PROVIDE THIS INFORMATION TO THE JOIST DESIGNER. THE LOADS AND CORRESPONDING LOCATIONS SHALL BE IDENTIFIED IN THE STEEL JOIST DESIGN PACKAGE.

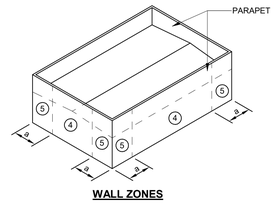
ALUMINUM CANOPIES

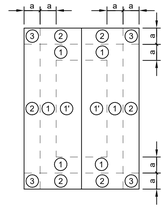
1. THE DESIGN, MANUFACTURE, QUALITY ASSURANCE AND ERECTION OF ALUMINUM ROOF CANOPIES SHALL BE IN ACCORDANCE WITH THE REFERENCED DESIGN STANDARDS IN THE PROJECT BUILDING CODE.
2. A SUBMITTAL PACKAGE SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW PRIOR TO FABRICATION AND ERECTION. THIS PACKAGE SHALL INCLUDE, AT A MINIMUM, FABRICATION DRAWINGS, ERECTION DRAWINGS, AND STRUCTURAL CALCULATIONS. THE SUBMITTAL PACKAGE SHALL INCLUDE DETAILS FOR EACH CONNECTION TO THE BUILDING STRUCTURE WITH THE DESIGN REACTIONS. THE CALCULATION PACKAGE SHALL BEAR THE SEAL AND SIGNATURE OF THE ENGINEER WHO SHALL BE REGISTERED IN THE PROJECT STATE.
3. THE ALUMINUM CANOPIES SHALL BE DESIGNED FOR ALL SITE SPECIFIC DESIGN CRITERIA INCLUDING, BUT NOT LIMITED TO, LIVE LOAD, WIND LOAD, AND SNOW LOAD.
4. A SEPARATION MATERIAL SHALL BE USED TO BETWEEN THE ALUMINUM CANOPIES AND ANY DISSIMILAR METAL TO PREVENT GALVANIC CORROSION. THIS MATERIAL SHALL BE SHOWN ON THE ERECTION DRAWINGS.

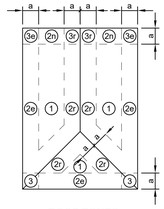
STEEL DECK

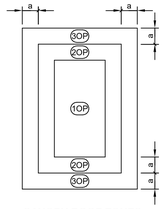
1. STEEL DECK CONSTRUCTION SHALL BE IN ACCORDANCE WITHTHE LATEST EDITION OF SDI STANDARDS.
2. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS INCLUDING, AT A MINIMUM, LAYOUT AND TYPES OF DECK PANELS, ANCHORAGE DETAILS, REINFORCING CHANNELS, PANS, CUT DECK OPENINGS, SPECIAL JOINTING, ACCESSORIES, AND ATTACHMENTS TO OTHER CONSTRUCTION.
3. ATTACH ROOF DECK TO SUPPORTS AT 12" OC. W/ #12 TEK SCREWS. ATTACH TO PERIMETER SUPPORTS AT 6" OC. PROVIDE #10 TEK SCREW SIDELAP FASTENERS AT 12" OC. (MIN. 2 PER SPAN).
4. ATTACH NON-COMPOSITE FLOOR DECK TO SUPPORTS AT 8" OC. W/ 5/8" PUDDLE WELDS. ATTACH TO PERI

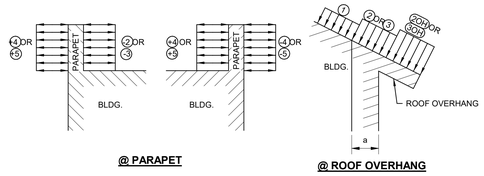












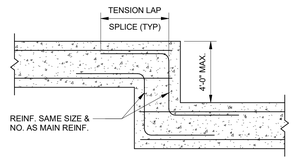
ZONE LAYOUT DIAGRAMS

STORM SHELTER - COMPONENTS & CLADDING DESIGN WIND PRESSURES ASCE 7-16 (PSF)										
ZONE	EFFECTIVE WIND AREA									
	10SF		20SF		50SF		100SF		200SF	
	+XXX	-XXX	+XXX	-XXX	+XXX	-XXX	+XXX	-XXX	+XXX	-XXX
1	116	-306	109	-292	103	-265	102	-252	102	-231
1'	116	-197	109	-197	103	-197	102	-197	102	-177
2	116	-388	109	-360	103	-340	102	-320	102	-292
3	116	-510	109	-469	103	-408	102	-367	102	-320
4	211	-224	204	-218	197	-204	190	-197	177	-190
5	211	-265	204	-252	197	-231	190	-218	177	-197

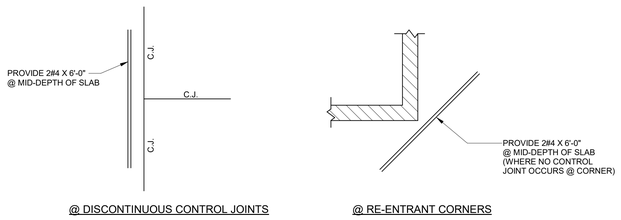
NOTES:
1. PLUS AND MINUS SIGNS DENOTE PRESSURE ACTING TOWARD AND AWAY FROM BUILDING SURFACES.
2. PRESSURE ZONE LOCATIONS ARE IN ACCORDANCE WITH ASCE 7-16.
3. PRESSURES INDICATED ARE BASED ON ULTIMATE WIND SPEEDS PER ASCE 7-16. TO CONVERT PRESSURES TO NOMINAL LOADS, MULTIPLY VALUES IN CHART BY A FACTOR OF 0.6.
4. a= 6'-0"

NON-STORM SHELTER - COMPONENTS & CLADDING DESIGN WIND PRESSURES ASCE 7-16 (PSF)										
ZONE	EFFECTIVE WIND AREA									
	10SF		20SF		50SF		100SF		200SF	
	+XXX	-XXX	+XXX	-XXX	+XXX	-XXX	+XXX	-XXX	+XXX	-XXX
1	16	-48	16	-45	16	-41	16	-38	16	-38
1'	16	-28	16	-28	16	-28	16	-28	16	-28
2	16	-64	16	-60	16	-54	16	-50	16	-50
3	16	-87	16	-79	16	-68	16	-60	16	-60
4	30	-33	29	-32	27	-30	26	-28	26	-28
5	30	-41	29	-38	27	-34	26	-32	26	-32

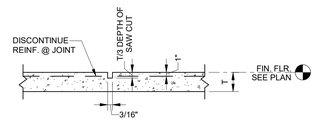
NOTES:
1. PLUS AND MINUS SIGNS DENOTE PRESSURE ACTING TOWARD AND AWAY FROM BUILDING SURFACES.
2. PRESSURE ZONE LOCATIONS ARE IN ACCORDANCE WITH ASCE 7-16.
3. PRESSURES INDICATED ARE BASED ON ULTIMATE WIND SPEEDS PER ASCE 7-16. TO CONVERT PRESSURES TO NOMINAL LOADS, MULTIPLY VALUES IN CHART BY A FACTOR OF 0.6.
4. a= 6'-0"



TYPICAL FOOTING STEP DETAIL

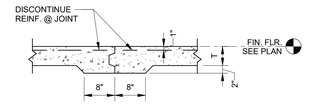


TYPICAL ADDITIONAL REINFORCING @ SLAB ON GRADE



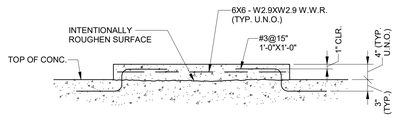
TYPICAL SAWED CONTROL JOINT

NOTES:
1. USE SAWS, BLADES AND SKID PLATES BY SOFF-CUT INTERNATIONAL OR EQUAL.
2. SEE PLAN FOR JOINT LAYOUT OR PROVIDE @ 12'-0" OC. MAX. EW.
3. START CUTTING SAWED JOINTS AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES. THIS WILL TYPICALLY BE FROM 1 HOUR IN HOT WEATHER TO 4 HOURS IN COLD WEATHER AFTER COMPLETING FINISHING OF SLAB IN THAT JOINT LOCATION.
4. EXTEND SAWED JOINT TO THE SLAB BOUNDARIES AND ABUTMENTS, INCLUDING COLUMNS, DRAINS AND OTHER PENETRATIONS IN THE PATH OF A DEFINED JOINT. IMPLEMENT METHODS AND TIMING OF THE SAW CUT BEYOND THE LIMITS OF THE SOFF-CUT SAW REACH TO PROVIDE A CONSISTENT DEPTH OF CUT WITH MINIMAL RAVELING OF JOINT EDGES.
5. T = SLAB THICKNESS (SEE PLAN)

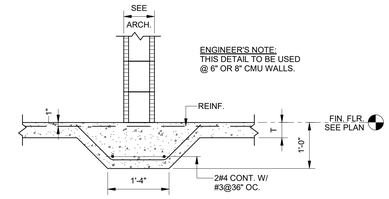


TYPICAL KEYED CONSTRUCTION JOINT

NOTES:
1. T=SLAB THICKNESS (SEE PLAN).
2. SEE PLAN FOR LOCATION OF JOINTS.

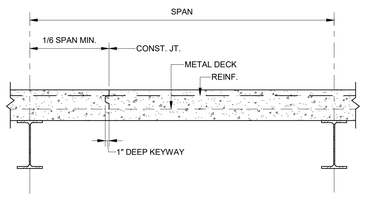


TYPICAL MECHANICAL HOUSEKEEPING PAD AND TOPPING SLABS

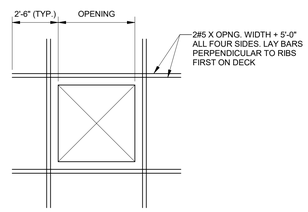


TYPICAL THICKENED SLAB @ NON-LOAD BEARING MASONRY PARTITIONS

NOTES:
1. T = SLAB THICKNESS (SEE PLAN FOR SLAB CONSTRUCTION).
2. COORDINATE LOCATION OF NON-LOAD BEARING MASONRY PARTITIONS WITH ARCH.

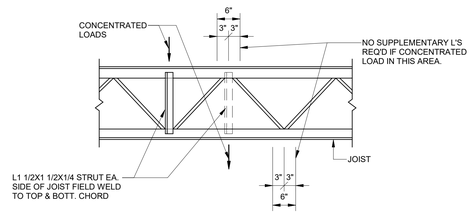


METAL DECK CONSTRUCTION JOINT

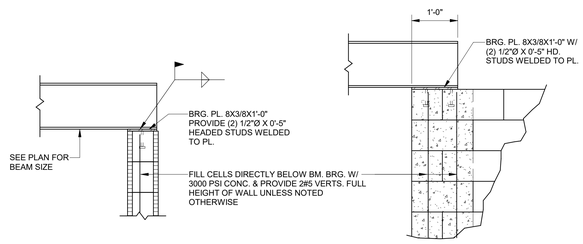


TYPICAL DETAIL OF ADDITIONAL REINFORCING AT OPENINGS IN COMPOSITE DECK FLOOR SLABS

NOTES:
1. DO NOT CUT METAL DECK UNTIL SURROUNDING CONCRETE IS POURED & HARDENED.
2. APPLIES AT ALL OPENINGS 6" & LARGER NOT SUPPORTED ON ALL FOUR SIDES BY STEEL FRAMEWORK.



TYPICAL CONCENTRATED LOAD ON STEEL JOIST DETAIL



TYPICAL STEEL BEAM BEARING ON MASONRY WALL DETAILS

WARD|SCOTT|MORRIS
ARCHITECTURE
TUSCALOOSA | HUNTSVILLE
1606 PAUL W. BRYANT DRIVE, TUSCALOOSA, ALABAMA 35401
www.wardscottmorris.com

MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY139, MAPLESVILLE, ALABAMA 36750



BID SET

DATE: 11/16/26
PROJ NO: 26-037

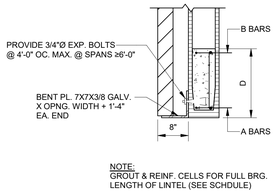
REVISIONS

#	DESC	DATE

TYPICAL DETAILS

MBA Engineers

S002



NOTE:
GROUT & REINF. CELLS FOR FULL BRG. LENGTH OF LINTEL (SEE SCHDULE)

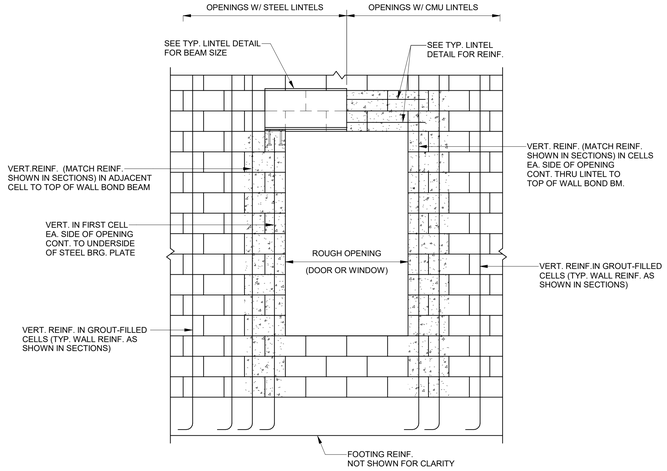
TYPICAL LOAD BEARING WALL LINTEL DETAIL & SCHEDULES

8" MASONRY LINTEL SCHEDULE					
MAX SPAN	D	A BARS	B BARS	C BARS	BEARING LENGTH
≤ 4'-0"	16"	1#5	1#5	-	16"
≤ 8'-4"	16"	1#6	1#6	-	16"

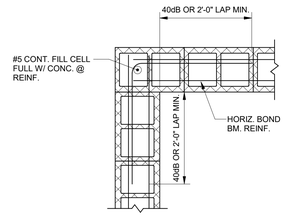
NOTE:
GROUT & REINF. CELLS FOR FULL BRG. LENGTH OF LINTEL. (SEE SCHED.)

12" MASONRY LINTEL SCHEDULE					
MAX SPAN	D	A BARS	B BARS	C BARS	BEARING LENGTH
≤ 8'-4"	16"	2#5	2#5	-	24"

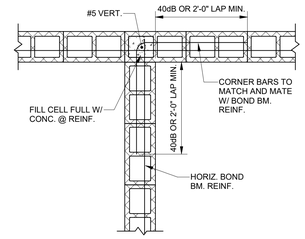
NOTE:
GROUT & REINF. CELLS FOR FULL BRG. LENGTH OF LINTEL. (SEE SCHED.)



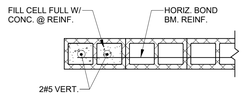
TYPICAL REINF. @ MASONRY WALL OPENINGS



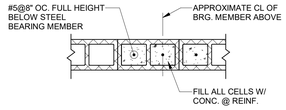
TYPICAL CORNER MASONRY WALL REINF. DETAIL



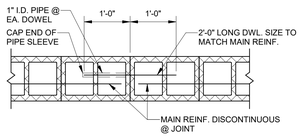
TYPICAL INTERSECTION MASONRY WALL REINF. DETAIL



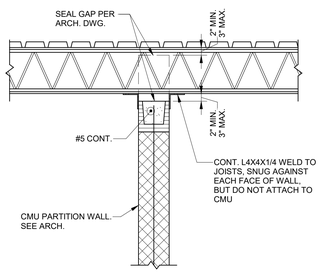
TYPICAL JAMB AND END OF MASONRY WALL REINF. DETAIL



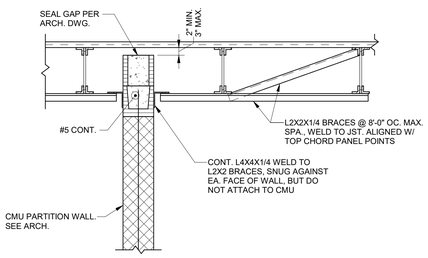
TYPICAL WALL REINF. BELOW BEARING MEMBER DETAIL



TYPICAL WALL CONTROL JOINT DETAIL AT U-BLOCK FILLED WITH CONCRETE OR AT CONCRETE BEAM



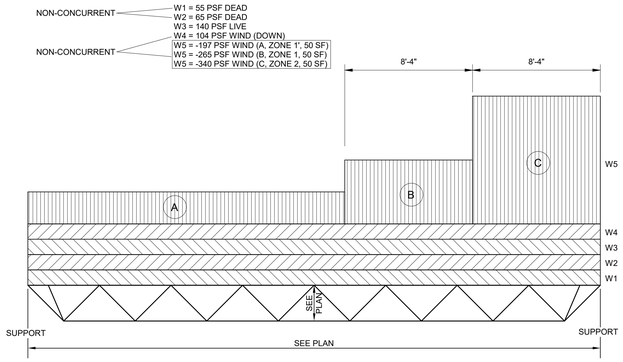
WALLS EXTENDED TO ROOF DECK
(JOISTS PERPENDICULAR)



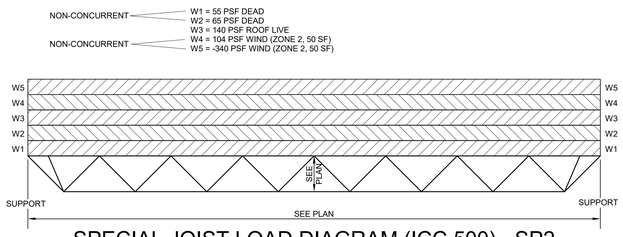
WALLS EXTENDED TO ROOF DECK
(JOISTS PARALLEL)

TYPICAL TOP OF CMU WALL DETAILS

NOTES:
1. FOR FIRE PROOFING AT TOP, SEE ARCH. DWG.
2. FOR REINF. SEE GENERAL NOTES AND/OR SECTIONS
3. THIS BRACING IS REQUIRED ALONG (NON-STRUCTURAL) PARTITION WALLS WHERE THE DISTANCE BETWEEN INTERSECTING TIED-IN CMU WALLS EXCEEDS 24'-0".



SPECIAL JOIST LOAD DIAGRAM (ICC 500) - SP1



SPECIAL JOIST LOAD DIAGRAM (ICC 500) - SP2

JOIST SUPPLIER NOTE:
SJI's "CODE OF STANDARD PRACTICE FOR STEEL JOISTS AND JOIST GIRDERS" SECTION 6.1 SHALL BE APPLICABLE TO THIS PROJECT WITH REGARD TO SPECIAL JOIST LOADING.

JOIST LOAD DIAGRAM NOTES:
1. JOIST SUPPLIER SHALL DESIGN THE JOISTS DESIGNATED AS "SP" TO SUPPORT THE LOADS AS SHOWN ABOVE, AND PER THESE NOTES.
2. LOADS SHOWN ARE TOP CHORD LOADS, UNLESS NOTED OTHERWISE.
3. COMBINE LOADS IN ACCORDANCE W/ SECTION 2.4.1 OF ASCE 7-16, AS MODIFIED BY SECTION OF FEMA 361-08, SUMMARIZED AS FOLLOWS:

   1.0xDEAD
   1.0xDEAD + 1.0xLIVE
   1.0xDEAD + 0.75xLIVE
   1.0xDEAD ± 0.6xWIND
   1.0xDEAD + 0.75xLIVE ± 0.45xWIND
   0.6xDEAD ± 0.6xWIND

4. USE LOADS AS SHOWN ABOVE WITH THE LOAD COMBINATIONS GIVEN.
5. LIVE LOAD REDUCTION IS NOT PERMITTED.
6. ALLOWABLE STRESS INCREASE IS NOT PERMITTED.
7. JOIST SELF WEIGHT HAS NOT BEEN INCLUDED IN DEAD LOAD.
8. WIND PRESSURE LOADS LISTED ABOVE REPRESENT A COMPOSITE OF SEVERAL NON-UNIFORM WIND LOAD CASES. DESIGN JOISTS FOR A FLAT SHEAR ENVELOPE AND A FLAT POSITIVE & NEGATIVE MOMENT ENVELOPE AND SPECIFY ALL REQUIRED BRIDGING & UPLIFT BRIDGING.
9. CAMBER JOISTS FOR A UNIFORM LOAD CONSISTING OF JOIST SELF WEIGHT + 80% OF "W1" DEAD LOAD LISTED ABOVE.
10. JOISTS SHALL BE DESIGNED AS "NON-COMPOSITE" WHETHER OR NOT HEADED STUDS HAVE BEEN INDICATED ON THE DRAWINGS.
11. 1/2"Ø x 0'-3" HEADED STUDS TO BE USED ON ALL SP JOISTS. SEE SECTIONS.

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1256 ALABAMA HIGHWAY139, MAPLESVILLE, ALABAMA 36750

ALABAMA
LICENSED PROFESSIONAL ENGINEER
No. 31797
PROFESSIONAL
11/16/2026
ZACHARY L. COMER

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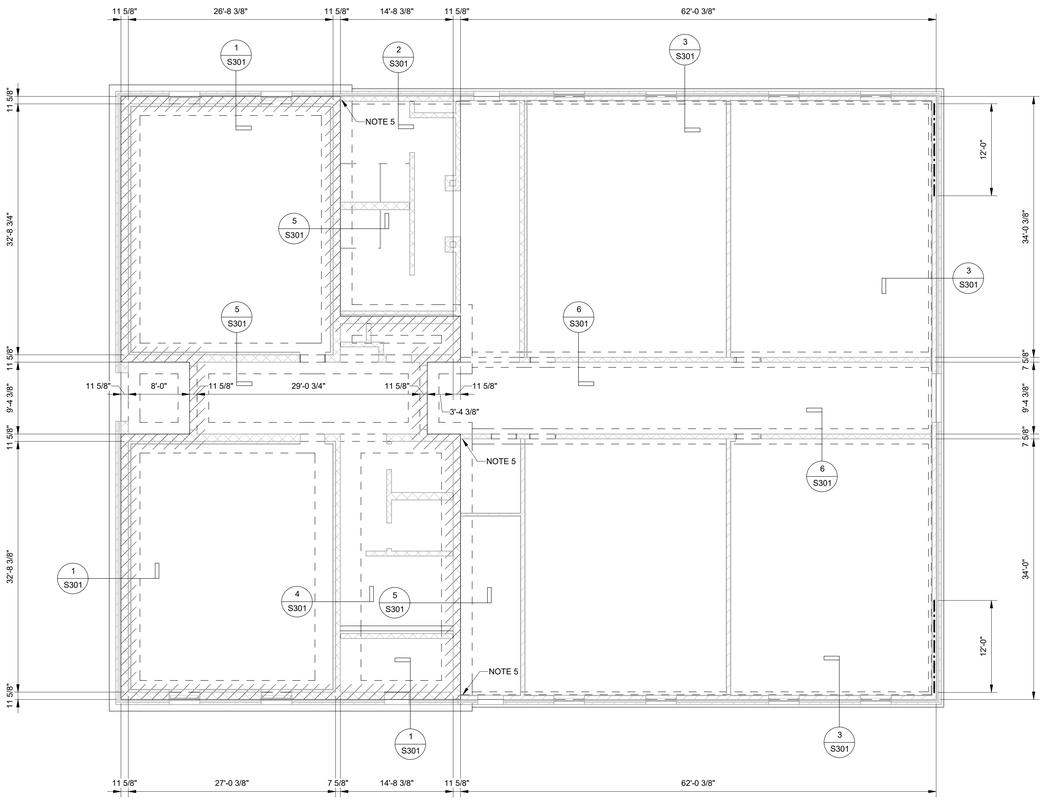
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TYPICAL DETAILS

S003

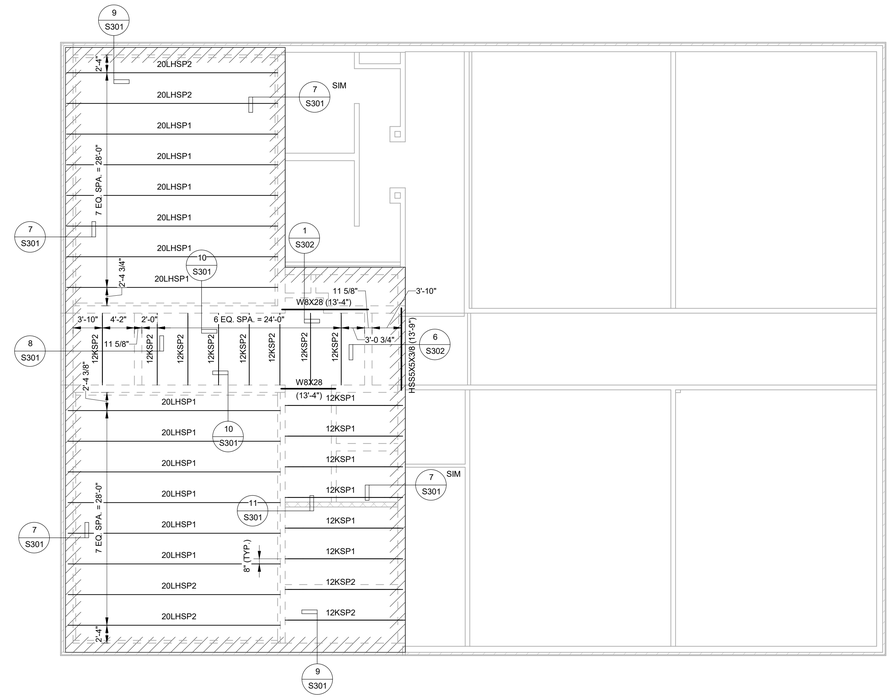


FOUNDATION & FIRST FLOOR PLAN

1/8" = 1'-0" FIN. FLR. ELEV. 0'-0" U.N.O.

FLOOR CONSTRUCTION:
4" CONC. SLAB ON DRAINAGE FILL
REINF. W/ 6X6-W1.4XW1.4 W.W.R.

NOTES:
1. TOP OF FTG. ELEV. (-2'-0") U.N.O.
2. [▨] - DENOTES STORM SHELTER EXTENTS.
3. BASIS OF DESIGN FOR EXTERIOR LOAD BEARING CFS WALLS: 600S162-54 @ 16" OC. FINAL DESIGNED STUD SIZE & SPACING TO BE DETERMINED BY DELEGATED DESIGNER.
4. ——•—— - DENOTES LOCATION OF CFS STRAP BRACING BY DELEGATED DESIGNER. DESIGN STRAP BRACING ASSEMBLY FOR 4K (ASD) IN PLANE LATERAL LOAD APPLIED AT TOP TRACK ELEVATION. BASIS OF DESIGN FOR STRAP BRACING: 4" WIDE x 16GA. FLAT STRAP. FINAL DESIGNED STRAP BRACE SIZE & ASSEMBLY TO BE DETERMINED BY DELEGATED DESIGNER.
5. PROVIDE CONTROL JOINT AT ALL STORM SHELTER WALL TO NON-STORM SHELTER WALL I NTERSECTIONS. CMU HORIZONTAL JOINT REINFORCING AND CMU BOND BEAM REINFORCING SHALL BE DISCONTINUOUS AT THESE CONDITIONS.



STORM SHELTER ROOF FRAMING PLAN

1/8" = 1'-0" FIN. FLR. ELEV. 14'-2" U.N.O.

ROOF CONSTRUCTION:
4" CONC. SLAB ON 15/16" DEEP 22 GA. GALV. NON-COMPOSITE METAL
DECK REINF. W/ #4@8" OCEW. (5" TOTAL THICKNESS)

NOTES:
1. JOIST BRG. ELEV. (13'-4") U.N.O.
2. [▨] - DENOTES STORM SHELTER EXTENTS.

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ALABAMA LICENSED PROFESSIONAL No. 51797 11/16/2026 ZACHARY L. COMER

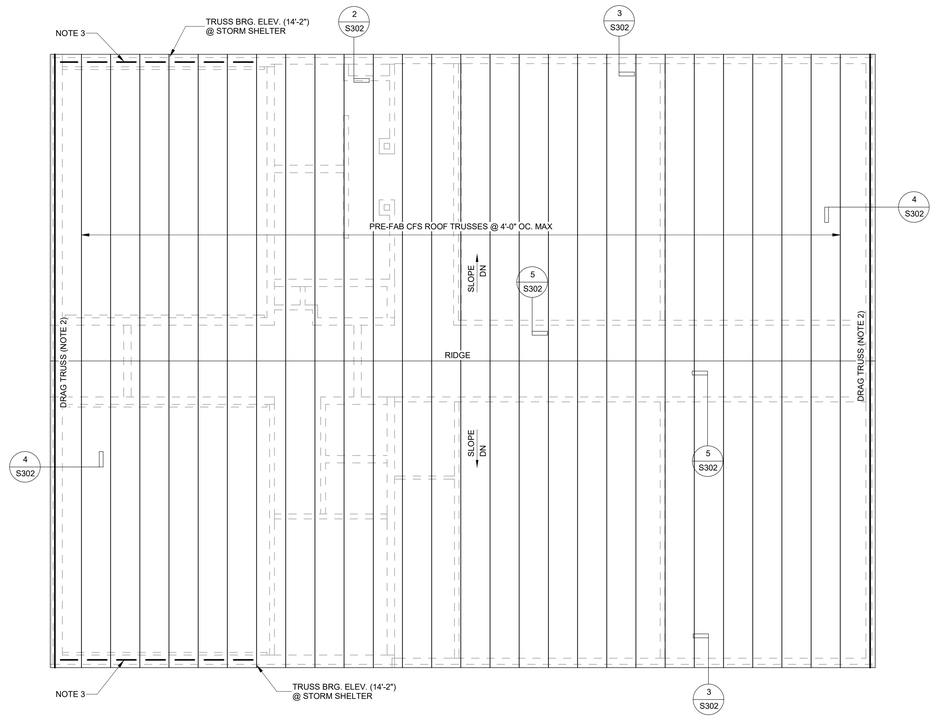
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FOUNDATION & FIRST FLOOR PLAN AND STORM SHELTER ROOF FRAMING PLAN

S101



ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF CONSTRUCTION:
1 1/2" DEEP, 22 GA., GALV., WIDE RIB (TYPE "B") METAL ROOF DECK

NOTES:
1. TRUSS BRG. ELEV. (13'-4") U.N.O.
2. DESIGN SHEAR DRAG TRUSS FOR 100PLF (ASD) DRAG LOAD. LIMIT EMBED DEPTH TO 1" MAX. AT ATTACHMENT TO STORM SHELTER ROOF SLAB.
3. PROVIDE SHEAR BLOCKING TRUSSES @ EXTENTS OF STORM SHELTER BELOW. DESIGN SHEAR BLOCKING TRUSSES FOR 250PLF (ASD) DRAG LOAD. LIMIT EMBED DEPTH TO 1" MAX. AT ATTACHMENT TO STORM SHELTER ROOF SLAB.

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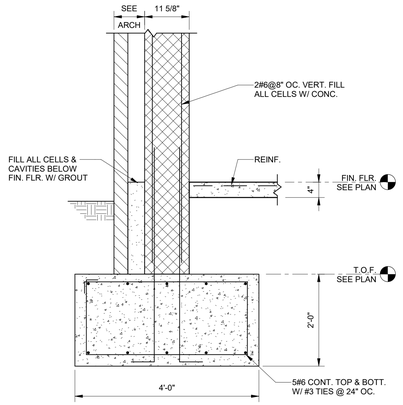
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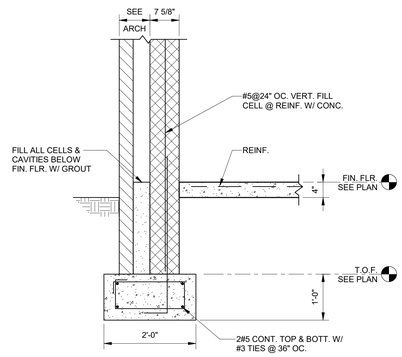
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ROOF FRAMING PLAN

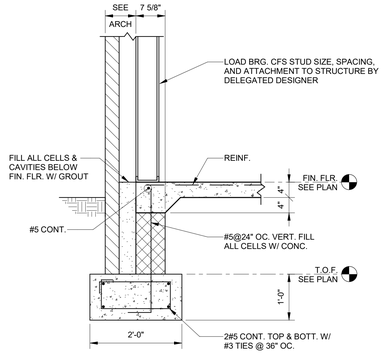
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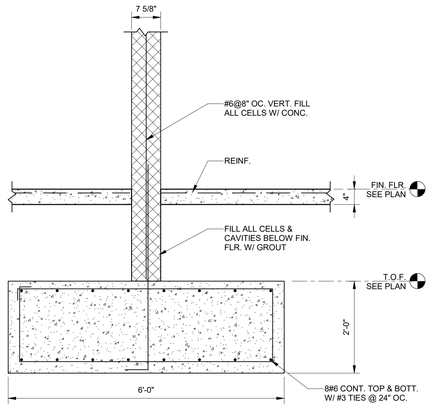
1 S301 SECTION 3/4" = 1'-0"



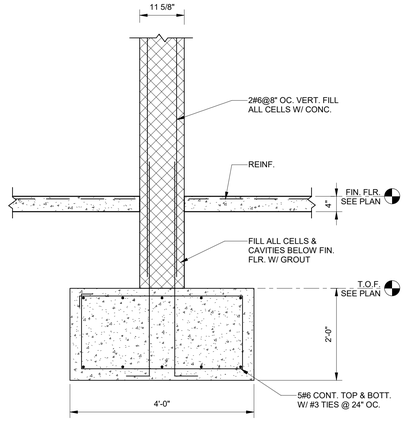
2 S301 SECTION 3/4" = 1'-0"



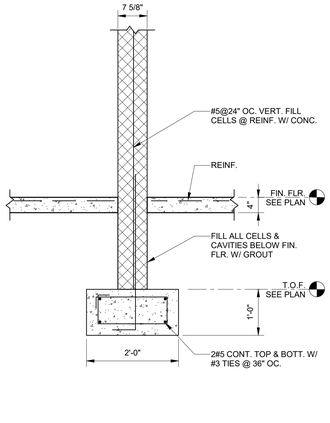
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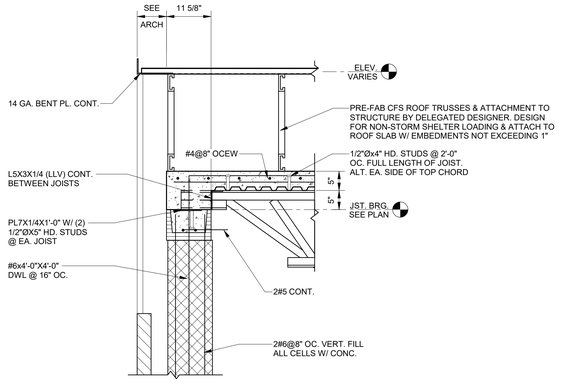
4 S301 SECTION 3/4" = 1'-0"



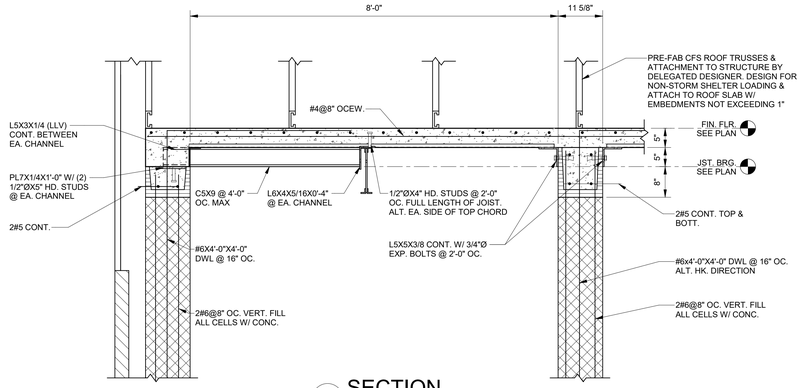
5 S301 SECTION 3/4" = 1'-0"



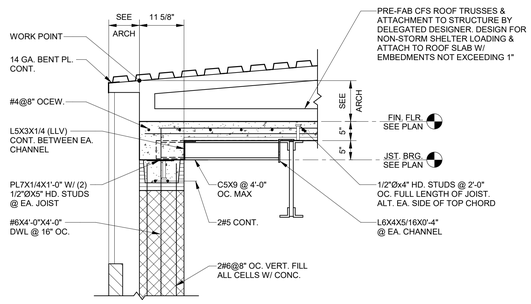
6 S301 SECTION 3/4" = 1'-0"



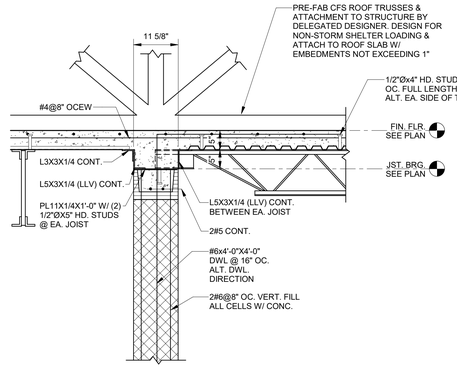
7 S301 SECTION 3/4" = 1'-0"



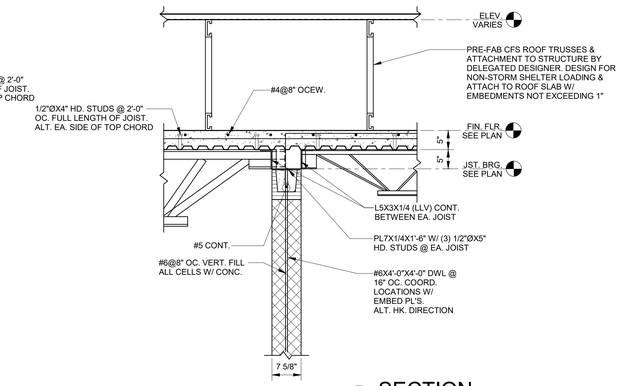
8 S301 SECTION 3/4" = 1'-0"



9 S301 SECTION 3/4" = 1'-0"



10 S301 SECTION 3/4" = 1'-0"



11 S301 SECTION 3/4" = 1'-0"

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ALABAMA LICENSED ARCHITECT No. 31797 PROFESSIONAL 11/16/2026 ZACHARY L. COVER

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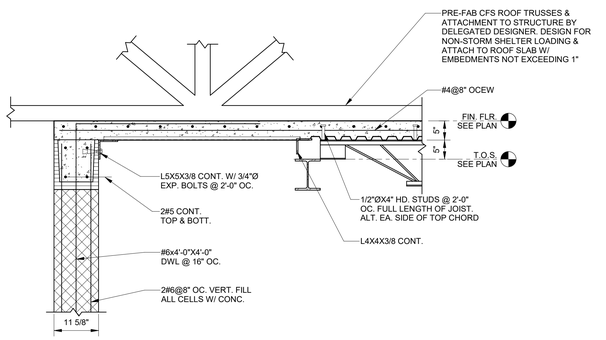
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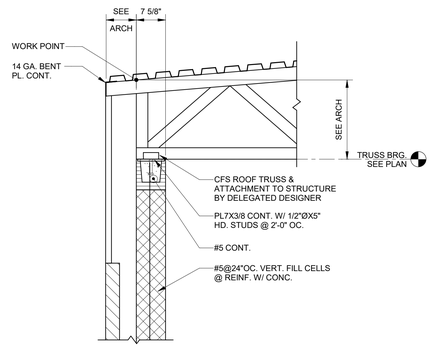
SECTIONS

S301

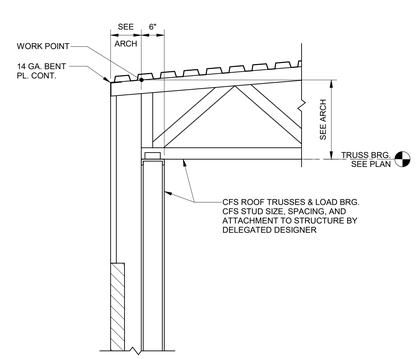
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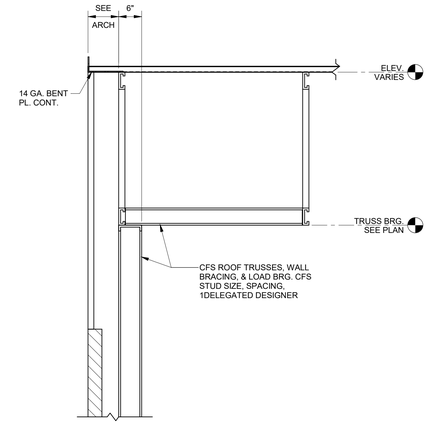
1 S302 SECTION
3/4" = 1'-0"



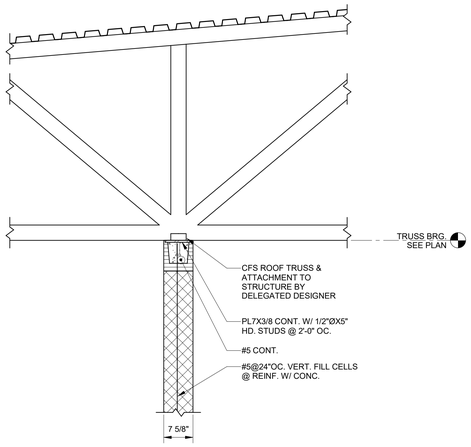
2 S302 SECTION
3/4" = 1'-0"



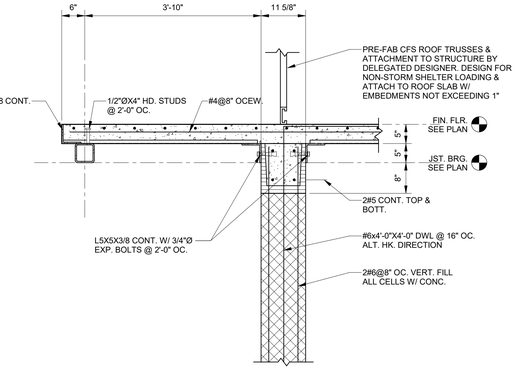
3 S302 SECTION
3/4" = 1'-0"



4 S302 SECTION
3/4" = 1'-0"



5 S302 SECTION
3/4" = 1'-0"



6 S302 SECTION
3/4" = 1'-0"

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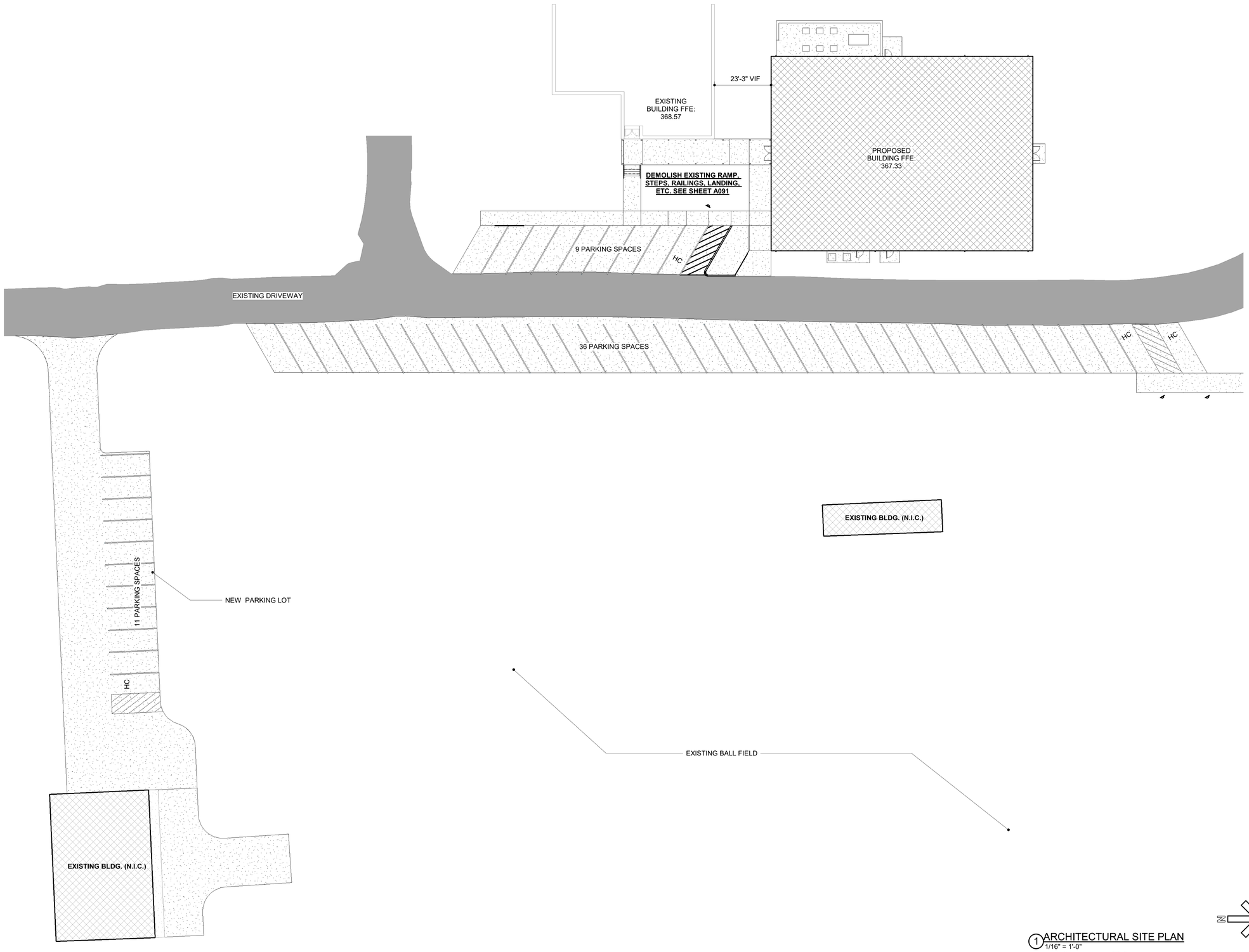
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S302



1 ARCHITECTURAL SITE PLAN
1/16" = 1'-0"
8'-0" 32'-0"
0" 16'-0" 64'-0"

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STATE OF ALABAMA
JORDAN C MORRIS
7084
REGISTERED ARCHITECT

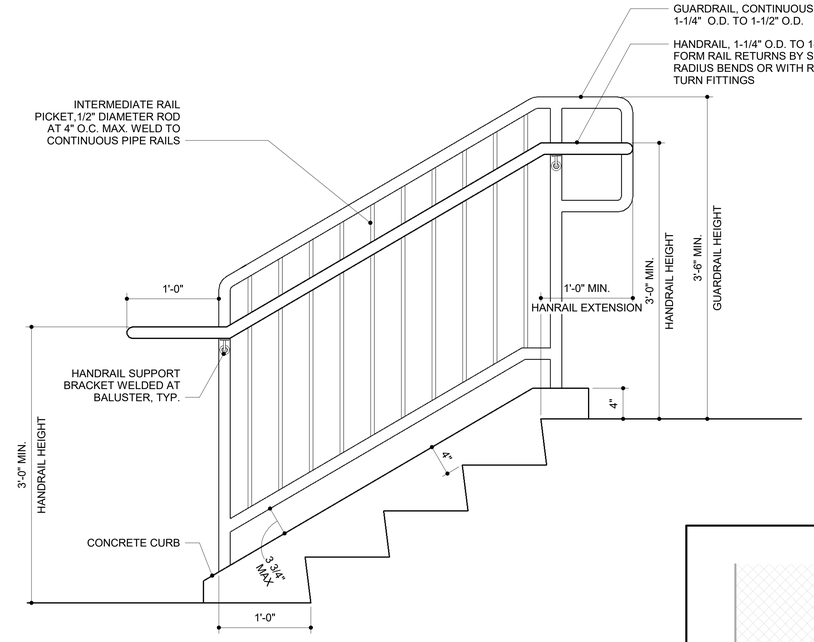
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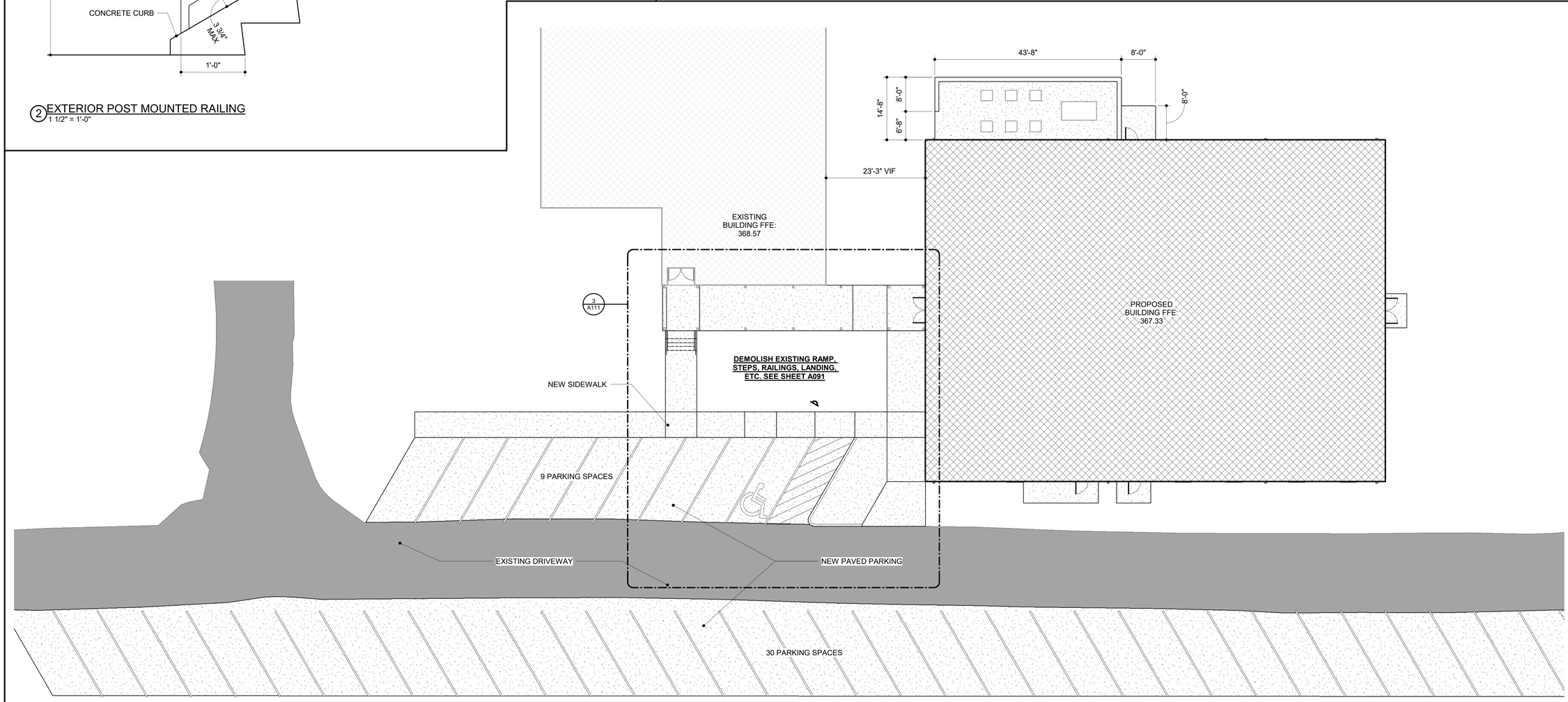
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ARCHITECTURAL SITE PLAN

AC01



2 EXTERIOR POST MOUNTED RAILING
1 1/2" = 1'-0"



1 PARTIAL SITE PLAN - CLASSROOM ADDITION
1" = 10'-0"

N

5'-0" 20'-0"
0" 10'-0" 40'-0"

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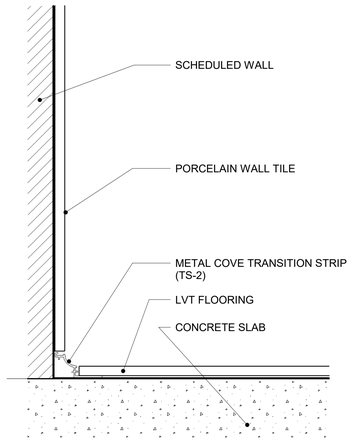
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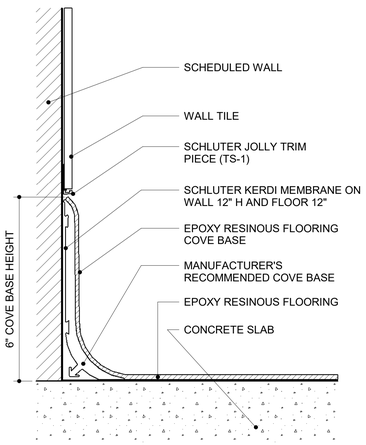
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PARTIAL SITE PLANS

AC02



3 PORCELAIN WALL TILE TO LVT FLOOR DETAIL
6" = 1'-0"



2 RESINOUS FLOORING BASE DETAIL
6" = 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.	NOTES	ROOM NUMBER
1100	COVERED WALK	---	-			--	--	--	--	--		--	--		1100
1101	VEST.	LVT-1,3	RB-2	PNT-3	4'-8"	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A	11'-0"		1101
1102	CORRIDOR	LVT-1,3,4,5,6	RB-2, TS-2	PNT-3	4'-8"	PNT-1	PNT-1	PNT-1	PNT-1; PWT-1	PNT-2		AC-PNL-A/ GWB	VARIES	3	1102
1103	CLASSROOM	LVT-2	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1, PL-2	AC-PNL-A	10'-0"	1	1103
1104	JAN	RSF-1	RSF-1	PNT-3	4'-8"	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-B	10'-0"		1104
1105	CORRIDOR	LVT-1,3,4,5,6	RB-2	PNT-3	4'-8"	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A/ GWB	VARIES		1105
1106	GIRLS	RSF-1	RSF-1	PNT-3	4'-8"	PNT-1	PNT-1	PNT-1	PNT-1, PWT-1,2; GWT-1	PNT-2		AC-PNL-B	10'-0"	6,10	1106
1107	BOYS	RSF-1	RSF-1	PNT-3	4'-8"	PNT-1	PNT-1	PWT-1,2; GWT-2	PNT-1	PNT-2		AC-PNL-B	10'-0"	7, 10	1107
1108	CORRIDOR	LVT-1,3,4,5,6	RB-2	PNT-3	4'-8"	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A/ GWB	VARIES		1108
1109	CLASSROOM	LVT-2	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1, PL-2	AC-PNL-A	10'-0"	1	1109
1110	CLASSROOM	LVT-2	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1, PL-2	AC-PNL-A	10'-0"	1	1110
1111	CLASSROOM	LVT-2	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1, PL-2	AC-PNL-A	10'-0"	1	1111
1112	CLASSROOM	LVT-2	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1, PL-2	AC-PNL-A	10'-0"	1	1112
1113	TELECOM	LVT-1	RB-1	PNT-3	4'-8"	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		AC-PNL-A	10'-0"		1113
1114	MECH/ELEC	S-CONC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EXPOSED	--		1114
1115	HALL	LVT-1	RB-2	PNT-3	4'-8"	PNT-1	PNT-1	PNT-1	--	PNT-2		AC-PNL-A	10'-0"		1115
1116	TLT	RSF-1	RSF-1			PNT-1	PNT-1	PWT-1	PNT-1	PNT-2	PL-1	AC-PNL-B	10'-0"	2, 8, 9	1116
1117	TLT	RSF-1	RSF-1			PNT-1	PNT-1	PNT-1	PWT-1	PNT-2	PL-1	AC-PNL-B	10'-0"	2, 8, 9	1117
1118	WORK ROOM	LVT-1	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-3, PL-4	AC-PNL-A	10'-0"	4	1118
1119	MECH	S-CONC	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2		EXPOSED	--		1119
1120	CLASSROOM	LVT-2	RB-1			PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PL-1, PL-2	AC-PNL-A	10'-0"	1	1120
1121	VEST.	RSF-1	RSF-1	PNT-3	4'-8"	PNT-1	PNT-1, PWT-1; GWT-1,2	--	--	PNT-2		AC-PNL-B/ GWB	VARIES	5	1121

FINISH LEGEND

FLOORING

LVT-1 LUXURY VINYL TILE
SHAW CONTRACT
COLLECTION: BRANCHING OUT
STYLE: BRANCHING OUT 4480V
COLOR: PLAINS OAK 56250
TOTAL THICKNESS: 5MM
WEAR LAYER: 20 MIL
SIZE: 6" X 48"
INSTALLATION METHOD: STAGGER

LVT-2 LUXURY VINYL TILE
SHAW CONTRACT
COLLECTION: DIALOGUE
STYLE: TYPE 4142V
COLOR: CONVEY 42515
TOTAL THICKNESS: 5MM
WEAR LAYER: 20 MIL
SIZE: 24" X 24"
INSTALLATION METHOD: MONOLITHIC

LVT-3 LUXURY VINYL TILE
SHAW CONTRACT
COLLECTION: COLORLINK
STYLE: COLORLINK 4609V
COLOR: ROSY RED 00870
TOTAL THICKNESS: 5MM
WEAR LAYER: 20 MIL
SIZE: 8" X 48"
INSTALLATION METHOD: STAGGER

LVT-4 LUXURY VINYL TILE
SHAW CONTRACT
COLLECTION: COLORLINK
STYLE: COLORLINK 4609V
COLOR: CONFIDENT 00890
TOTAL THICKNESS: 5MM
WEAR LAYER: 20 MIL
SIZE: 8" X 48"
INSTALLATION METHOD: SEE A601

LVT-5 LUXURY VINYL TILE
SHAW CONTRACT
COLLECTION: COLORLINK
STYLE: COLORLINK 4609V
COLOR: WISP 00411
TOTAL THICKNESS: 5MM
WEAR LAYER: 20 MIL
SIZE: 8" X 48"
INSTALLATION METHOD: SEE A601

LVT-6 LUXURY VINYL TILE
SHAW CONTRACT
COLLECTION: COLORLINK
STYLE: COLORLINK 4609V
COLOR: SUNNY 00211
TOTAL THICKNESS: 5MM
WEAR LAYER: 20 MIL
SIZE: 8" X 48"
INSTALLATION METHOD: SEE A601

RSF-1 RESINOUS FLOORING WITH 6" COVE BASE
SHERWIN WILLIAMS
RESUFLOR DECO FLAKE SB
COLOR: LIMESTONE
FLAKE SIZE: 1/8"
SEE 2/A001 FOR RESINOUS BASE DETAIL

S-CONC SEALED CONCRETE

BASE

RB-1 RUBBER BASE (THERMOSET)
ROPPE
SIZE: 4" HIGH CONTINUOUS ROLL
COLOR: MOON ROCK 29

RB-2 RUBBER BASE (THERMOPLASTIC)
ROPPE
CONTOURS PROFILED WALL BASE
PROFILE: REVEAL
SIZE: 4 1/4"
COLOR: MOON ROCK 29

WALLS

PNT-1 GENERAL PAINT
SHERWIN-WILLIAMS
COLOR: REPOSE GRAY SW 7015

PNT-2 TRIM PAINT
SHERWIN-WILLIAMS
COLOR: GAUNTLET GRAY SW 7019

PNT-3 WAINSCOT/ACCENT PAINT
SHERWIN-WILLIAMS
COLOR: ACIER SW 9170

PNT-4 ACCENT PAINT
SHERWIN-WILLIAMS
COLOR: STOLEN KISS SW 7586

PNT-5 ACCENT PAINT
BENJAMIN MOORE
COLOR: CALIFORNIA HILLS 216

PNT-6 ACCENT PAINT
BENJAMIN MOORE
COLOR: BACO RATON BLUE 711

PWT-1 PORCELAIN WALL TILE
GARDEN STATE TILE
STYLE: PRISM ENCORE
COLOR: AMBIENT WHITE
SIZE: 12 X 24
FINISH: MATTE
THICKNESS: 8MM
GROUT COLOR: MINK 95

PWT-2 PORCELAIN WALL TILE
GARDEN STATE TILE
STYLE: PRISM+
COLOR: AMBIENT WHITE
SIZE: 12 X 24
FINISH: MATTE
THICKNESS: 8MM
GROUT COLOR: MINK 95

GWT-1 GLAZED WALL TILE
GARDEN STATE TILE
STYLE: LARK
COLOR: GOLD
FINISH: GLOSSY
SIZE: 3" X 24"
THICKNESS: 8MM
GROUT: MINK 95

GWT-2 GLAZED WALL TILE
GARDEN STATE TILE
STYLE: LARK
COLOR: BLUE
FINISH: GLOSSY
SIZE: 3" X 24"
THICKNESS: 8MM
GROUT: MINK 95

TRANSITION STRIPS

TS-1 TRIM AT PORCELAIN WALL TILE EDGES
SCHLUTER SYSTEMS
JOLLY
FINISH: SATIN NICKEL ANODIZED ALUMINUM (AT)

TS-2 COVE BASE TRANSITION
SCHLUTER SYSTEMS
DILEX-AHK
FINISH: SATIN NICKEL ANODIZED ALUMINUM (AT)

TS-3 RESILIENT TO RESINOUS
SCHLUTER SYSTEMS
VINPRO-U
FINISH: BRUSHED NICKEL ANODIZED ALUMINUM (ATGB)

MILLWORK

PL-1 HIGH PRESSURE LAMINATE
NEVAMAR
COLOR: AURORA OAK WO2600
FINISH: NATURAL WOOD
LOCATION: VERTICAL SURFACES

PL-2 HIGH PRESSURE LAMINATE
PANOLAM
COLOR: ROCK OF AGES AW1410
FINISH: NATURAL STONE
LOCATION: COUNTERTOPS

PL-3 HIGH PRESSURE LAMINATE
WILSONART
COLOR: OAT TERRENE 5076-38
FINISH: FINE VELVET
LOCATION: CABINETS

PL-4 HIGH PRESSURE LAMINATE
PANOLAM
COLOR: VETO PROOF RK7002
FINISH: TEXTURED
LOCATION: COUNTERTOPS

SS-1 SOLID SURFACE
DURASEIN
COLOR: CONCRETE DM3018
LOCATION: WINDOW SILLS

TOILET PARTITIONS

TP-1 SOLID PLASTIC TOILET PARTITIONS
HDPE
NFPA 286 APPROVED
ASI ACCURATE PARTITIONS
COLOR: GRAY 9200

CEILINGS

AC-PNL-A ACOUSTICAL CEILING TILE
ARMSTRONG CEILINGS
ULTIMA HIGH NRC
15/16" SQUARE LAY-IN
#1940
SIZE: 24" X 24" X 7/8"
COLOR: WHITE

AC-PNL-B ACOUSTICAL PANEL CEILING
VINYL COVERED GWB

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.
- ALL DOOR FRAMES TO BE PAINTED PNT-2
- PROVIDE ADA COMPLIANT METAL TRANSITION STRIPS AS REQUIRED WHERE CHANGES IN FLOORING MATERIAL OCCUR - SEE FINISH LEGEND FOR SPECIFIC APPLICATIONS.
- PROVIDE TRANSITION STRIPS/EDGE TRIM AT ALL PORCELAIN TILE LOCATIONS - SEE FINISH LEGEND FOR SPECIFIC APPLICATIONS.
- ALL WINDOW SILLS TO BE SOLID SURFACE (SS-1).
- ALL TOILET PARTITIONS TO BE TP-1.
- PROVIDE BLINDS IN ALL WINDOWS. SEE SPECS.
- SEE SHEET A601 FOR FLOOR PATTERN PLAN AND INSTALLATION DIRECTIONS.
- PROVIDE 3MM PVC EDGE BANDING TO MATCH HIGH PRESSURE LAMINATES - SUBMIT PHYSICAL SAMPLES FOR COLOR APPROVAL.
- SEE 2/A001 FOR RESINOUS COVE BASE DETAIL.
- SEE 3/A001 FOR PORCELAIN WALL TILE TO LVT TRANSITION DETAIL.
- PAINT ALL EXPOSED SOFFIT SIDES AND BOTTOMS; SEE RCP AND INTERIOR ELEVATIONS FOR SOFFIT PAINT COLORS.
- PAINT ALL EXPOSED CEILINGS PNT-3.
- PROVIDE MARKERBOARDS AND TACKBOARDS IN ALL CLASSROOMS. SEE SPECIFICATIONS.

REFERENCE NOTES

1. PROVIDE PL-2 ON COUNTERTOP AND PL-1 ON CABINET SURFACES. SEE INTERIOR ELEVATIONS.
2. PROVIDE WATER-CLEANABLE EPOXY GROUT. SEE SPECS.
3. PROVIDE PWT-1 BEHIND WATER FOUNTAIN. SEE ELEV 2/A401.
4. PROVIDE PL-4 ON COUNTERTOPS AND PL-3 ON CABINET SURFACES. SEE INT ELEVS.
5. SEE ELEV 14/A401 FOR SOUTH WALL TILE PATTERN.
6. SEE ELEV 3/A401 FOR GIRLS TILE PATTERN.
7. SEE ELEV 5/A401 FOR BOYS TILE PATTERN.
8. PROVIDE PL-1 ON UPPER CABNET. SEE INT ELEVS.
9. PROVIDE RESINOIUS WALL COATING ON ALL PAINTED WALLS TO MATCH PNT-1; SEE SPECS.
10. WAINSCOT TO BE RESINOUS WALL COATING TO MATCH PNT-3; SEE SPECS.

1 FINISH SCHEDULES AND LEGEND
N.T.S.

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FINISH SCHEDULE & LEGEND

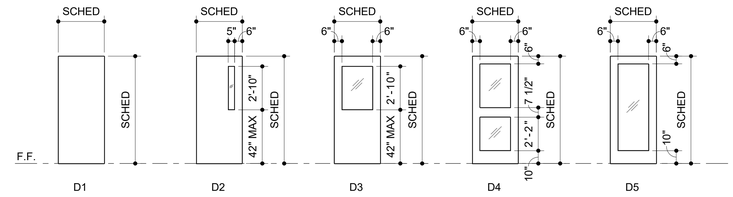
A001

DOOR SCHEDULE													
DOOR NUMBER	FIRE RATING	DOOR WIDTH	DOOR HEIGHT	DOOR ELEV.	DOOR MATERIAL	DOOR GLAZING	FRAME ELEV.	FRAME MATERIAL	FRAME GLAZING	HARDWARE	SIGNAGE	COMMENTS	DOOR NUMBER
1101A	--	6'-0"	7'-0"	D3	HM	G1	F2	HM	--	1.0	--	1	1101A
1102A	90 MIN/STORM	8'-0"	7'-0"	D1	HM	--	F2	HM	--	5.0	G,H	1, 2, 3	1102A
1102B	90 MIN/STORM	8'-0"	7'-0"	D1	HM	--	F2	HM	--	5.0	G,H	1, 2, 3	1102B
1103A	20 MIN	3'-0"	7'-0"	D2	HM	G1	F2	HM	--	8.0	C	--	1103A
1104A	20 MIN	3'-0"	7'-0"	D1	HM	--	F2	HM	--	8.0	B	--	1104A
1105A	--	3'-0"	7'-0"	D3	HM	G1	F2	HM	--	2.0	--	--	1105A
1108A	--	6'-0"	7'-0"	D3	HM	G1	F2	HM	--	1.0	--	1	1108A
1109A	20 MIN	3'-0"	7'-0"	D2	WD	G1	F2	HM	--	6.0	C	--	1109A
1110A	20 MIN	3'-0"	7'-0"	D2	WD	G1	F2	HM	--	6.0	C	--	1110A
1111A	20 MIN	3'-0"	7'-0"	D2	WD	G1	F2	HM	--	6.0	C	--	1111A
1112A	20 MIN	3'-0"	7'-0"	D2	WD	G1	F2	HM	--	6.0	C	--	1112A
1113A	20 MIN	3'-0"	7'-0"	D1	WD	--	F2	HM	--	6.0	B	--	1113A
1114A	--	3'-0"	7'-0"	D1	HM	G1	F2	HM	--	4.0	--	--	1114A
1116A	20 MIN	3'-0"	7'-0"	D1	WD	--	F2	HM	--	7.0	A	--	1116A
1117A	20 MIN	3'-0"	7'-0"	D1	WD	--	F2	HM	--	7.0	A	--	1117A
1118A	20 MIN	3'-0"	7'-0"	D2	HM	G1	F2	HM	--	6.0	B	--	1118A
1119A	STORM	3'-0"	7'-0"	D1	HM	--	F2	HM	--	3.0	G, H, J	3	1119A
1120A	20 MIN	3'-0"	7'-0"	D2	HM	G1	F2	HM	--	8.0	C	--	1120A

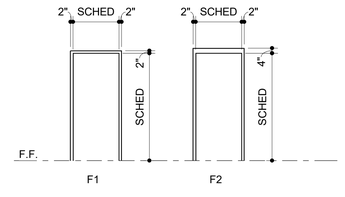
DOOR SCHEDULE LEGEND:
ALUM - ALUMINUM
HM - HOLLOW METAL
MFR - MANUFACTURER'S STANDARD
WD - WOOD

GLAZING LEGEND:
G1 - CLEAR TEMPERED GLASS
G2 - TINTED INSULATED GLASS
G3 - INSULATING GLASS CLAD POLYCARBONATE

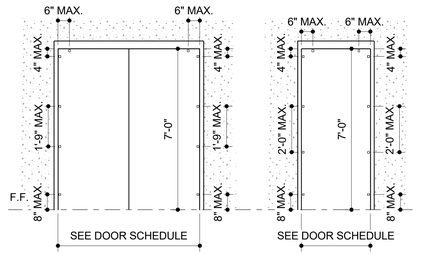
DOOR SCHEDULE COMMENTS:
1. PAIR OF DOORS
2. DOORS TO RECEIVE MECHANICAL HOLD OPENS
3. ICC 500-2020 COMPLIANT TORNADO RESISTANT ASSEMBLY



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



FRAME ELEVATIONS
1/4" = 1'-0"



NOTE:
1. TORNADO RESISTANT HARDWARE AND ASSEMBLIES IN COMPLIANCE WITH ICC 500 REQUIREMENTS MUST BE SUBMITTED FOR REVIEW AND APPROVAL OF THE ARCHITECT
2. SUBSEQUENT SUBMITTAL BY THE ARCHITECT TO THE A.H.J, AND THEIR APPROVAL, ARE REQUIRED PRIOR TO INSTALLATION

TORNADO RESISTANT DOORS: OPENING PROTECTIVE USED FOR THE STORM SHELTER AREA MUST BEEN SUCCESSFULLY TESTED FOR THE IDENTIFIED HAZARD CRITERIA FOR TORNADOS. THE TESTING METHOD MUST COMPLY WITH ICC-500, LABEL REQUIRED. SEE ICC 500 SECTION 112. THE LABELS OR STAMPS APPLIED TO FRAMES, ETC.
MUST BE PROVIDED BY MANUFACTURER THAT HAS HAD THEIR PRODUCTS TESTED IN ACCORDANCE WITH ICC 500 CHAPTER 8. PRODUCT SPECIMENS SHALL HAVE PASSED THE TESTING REQUIREMENTS OF ICC 500 CHAPTER 8 AS CONDUCTED BY A THIRD PARTY, ADDITIONALLY RECOGNIZED, ACCREDITED, AND APPROVED TESTING LABORATORY. THE TESTING LABORATORY SHALL MAINTAIN ONGOING PERIODIC INSPECTIONS OF THE PRODUCTS IT HAS TESTED TO CONFIRM CONTINUED COMPLIANCE.

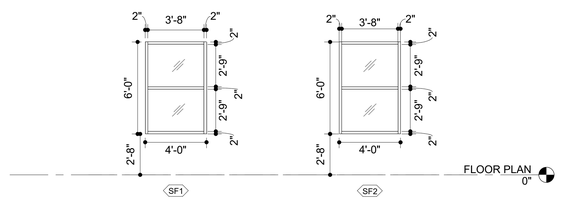
ANCHORING METHOD SHOWN IS FOR WELDED PIPE SPACER W/3/8" POWERS BOLT EMBEDDED ANCHORS SHALL BE PROVIDED AS PER MANUFACTURER'S RECOMMENDATIONS W/A MAXIMUM SHIM OF 1/4" SIGNED AND SEALED ANCHOR CALCULATIONS MUST BE PROVIDED ON REQUEST.

1 DOOR ANCHORING AT STORM SHELTER
3/8" = 1'-0"

STOREFRONT WINDOW SCHEDULE						
STOREFRONT MARK	FIRE RATING	OPENING WIDTH	OPENING HEIGHT	FRAME MATERIAL	FRAME GLAZING	COMMENTS
SF1	--	4'-0"	6'-0"	ALUM	G2	--
SF2	STORM	4'-0"	6'-0"	ALUM	G3	--

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

GLAZING LEGEND:
G1 - CLEAR TEMPERED GLASS
G2 - TINTED INSULATED GLASS
G3 - INSULATING GLASS CLAD POLYCARBONATE



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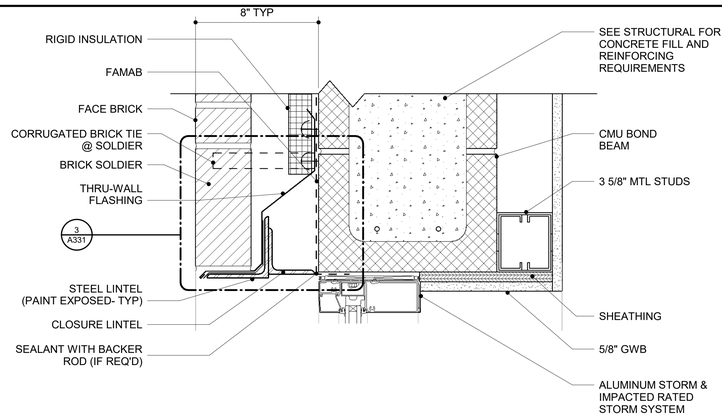
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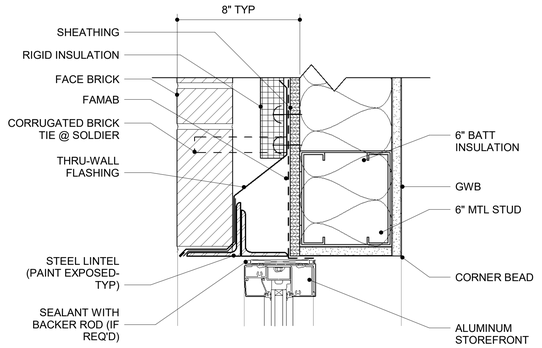
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OPENING SCHEDULES

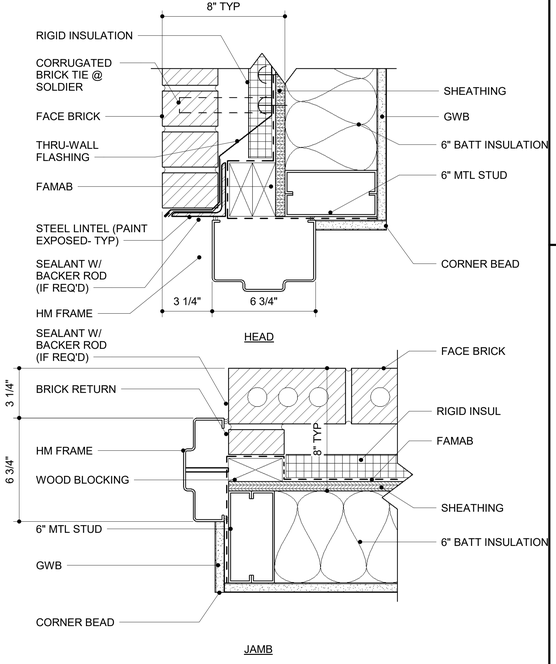
A002



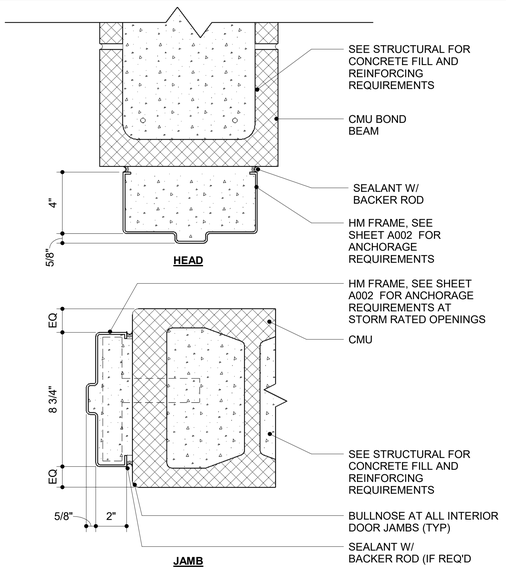
8 STOREFRONT HEAD AT STORM SHELTER BRICK ON CMU WALL
3" = 1'-0"



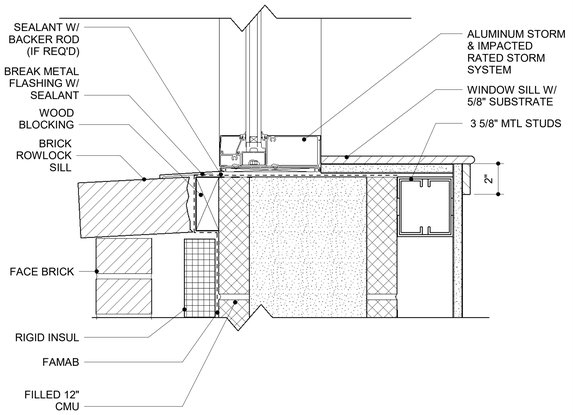
5 STOREFRONT HEAD AT BRICK ON MTL STUD WALL
3" = 1'-0"



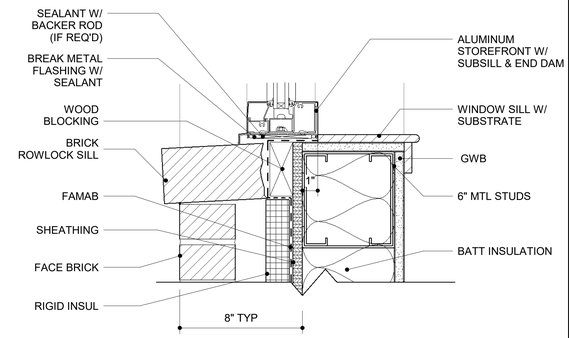
2 HM FRAME AT BRICK ON MTL STUD WALL
3" = 1'-0"



10 HM FRAME AT INTERIOR 12" CMU WALL
3" = 1'-0"

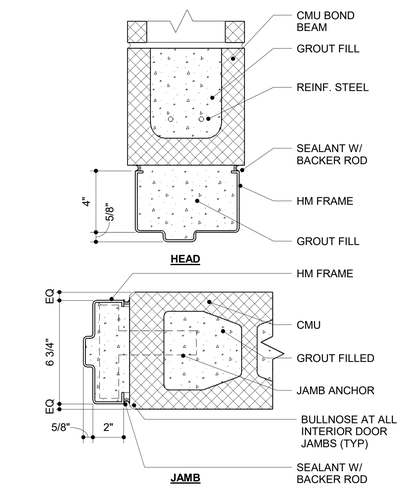


7 STOREFRONT SILL AT STORM SHELTER BRICK ON CMU WALL
3" = 1'-0"

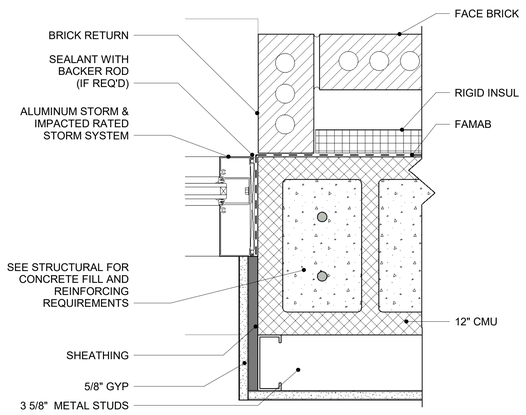


4 STOREFRONT SILL AT BRICK ON MTL STUD WALL
3" = 1'-0"

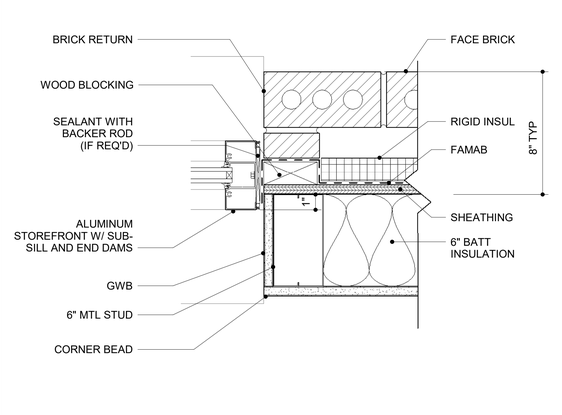
1 HM FRAME AT BRICK ON CMU WALL
3" = 1'-0"



9 HM FRAME AT INTERIOR 8" CMU WALL
3" = 1'-0"



6 STOREFRONT JAMB AT STORM SHELTER BRICK ON CMU WALL
3" = 1'-0"



3 STOREFRONT JAMB AT BRICK ON MTL STUD WALL
3" = 1'-0"

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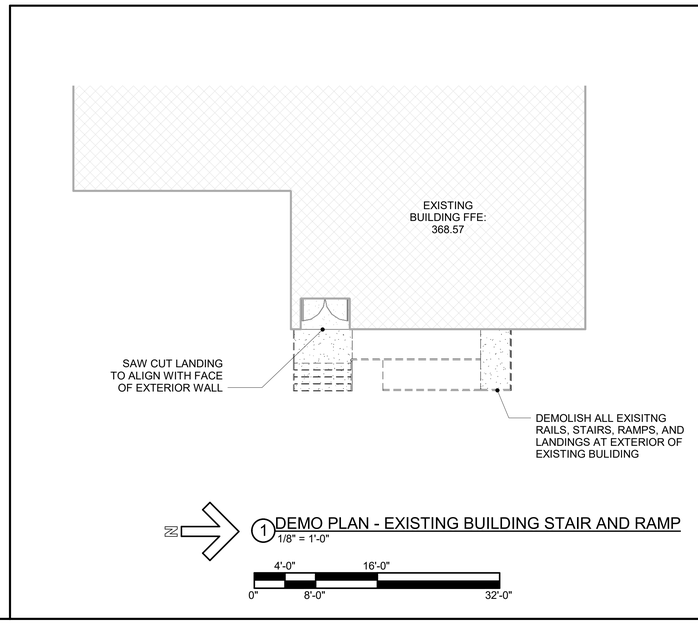
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OPENING DETAILS

A003



1 DEMO PLAN - EXISTING BUILDING STAIR AND RAMP
1/8" = 1'-0"

4'-0" 16'-0"
0" 8'-0" 32'-0"

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DEMO - FLOOR PLAN

A091

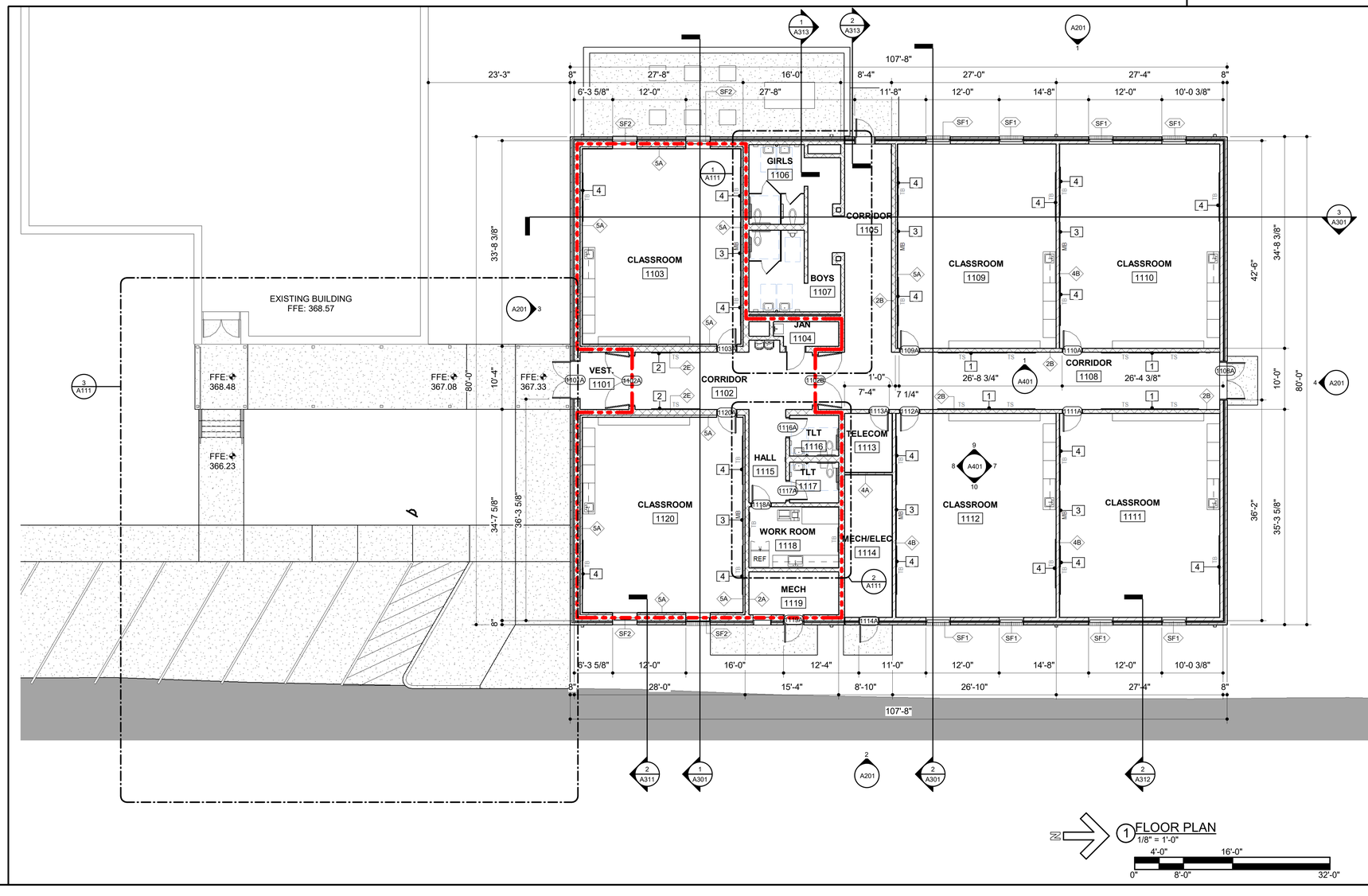
DRAWING LEGEND:

- STUD WALL
- CMU WALL
- EXTENT OF SHELTER

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.

REFERENCE NOTES	
NUMBER	**NOTE**
1	TWO 8'-0" TACKSTRIPS MOUNTED 5'-0" A.F.F. TO CENTERLINE OF STRIP. SEE INT ELEVATION 6/A401. SEE SPECS.
2	ONE 8'-0" TACKSTRIP MOUNTED 4'-0" A.F.F. TO CENTERLINE OF STRIP AND ONE 8'-0" TACKSTRIP MOUNTED 6'-6" A.F.F. TO CENTERLINE OF STRIP. CENTER TACKSTRIPS HORIZONTALLY BETWEEN DOOR FRAME AND SOUTH WALL. SEE SPECS.
3	8'-0" X 4'-0" MARKERBOARD, SEE SPECS.
4	8'-0" X 4'-0" TACKBOARD, SEE SPECS.



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

0" 4'-0" 8'-0" 16'-0" 32'-0"

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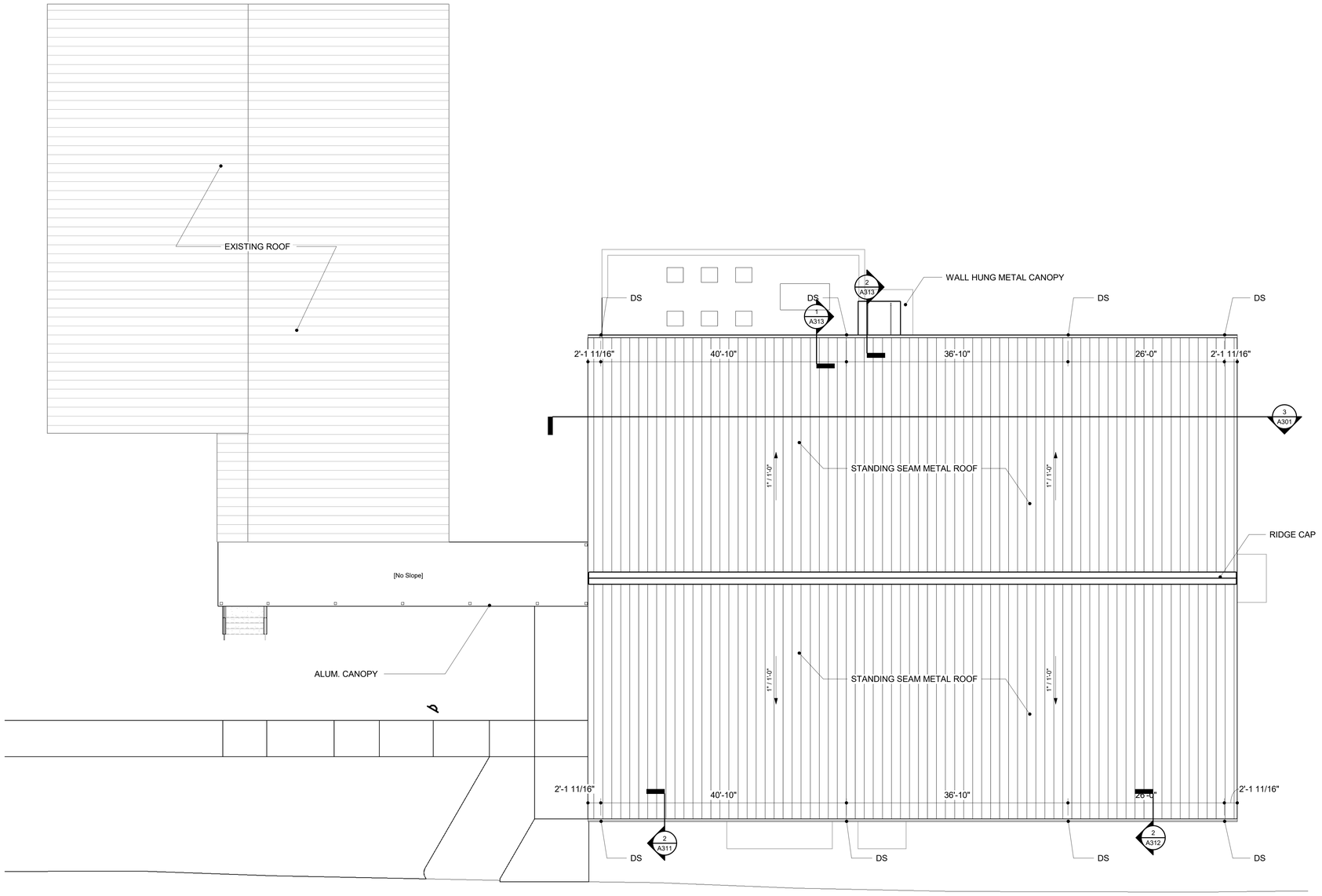
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FLOOR PLAN

A101



N

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

4'-0" 16'-0"
0" 8'-0" 32'-0"

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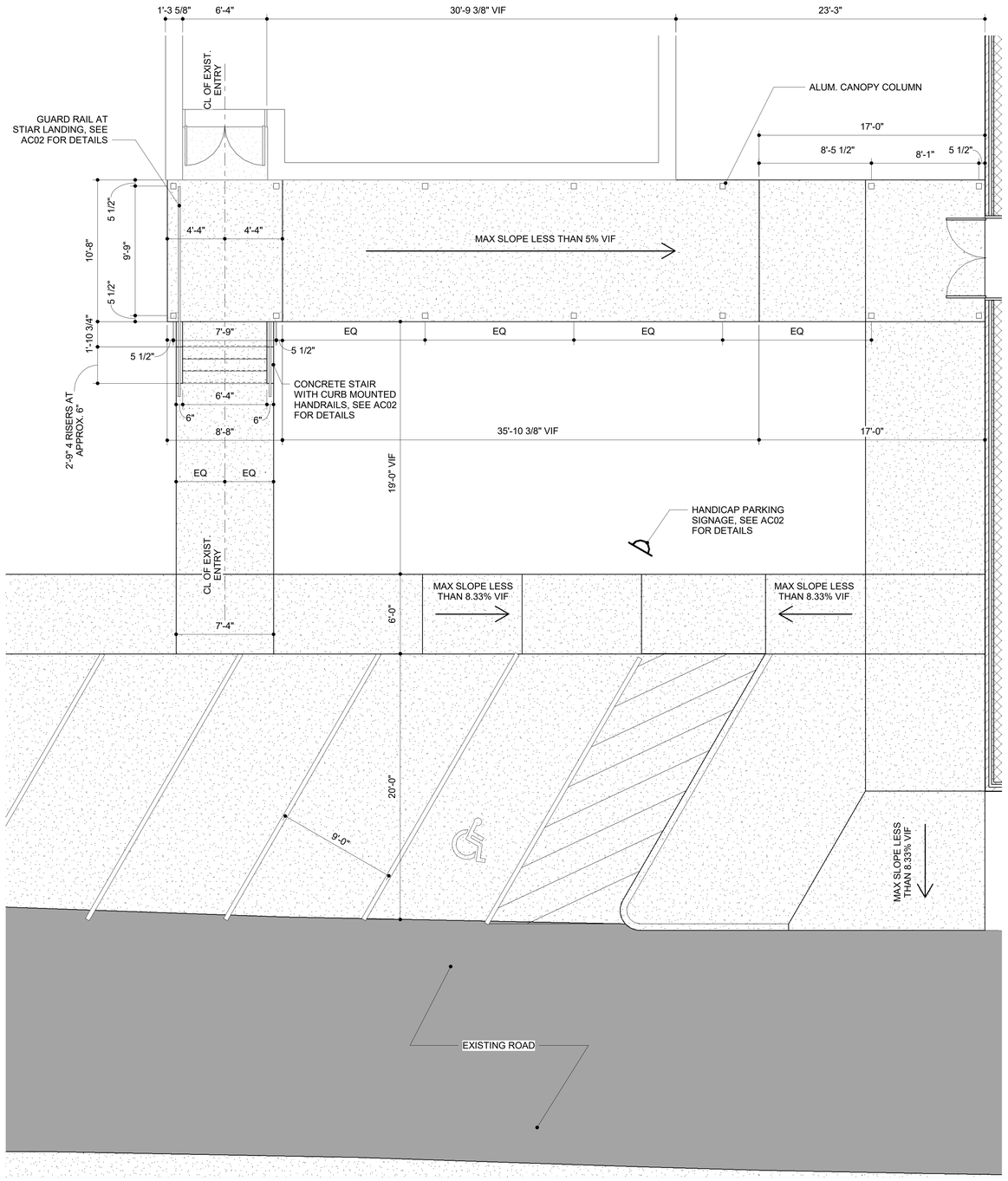
ROOF PLAN

A104

REFERENCE NOTES	
NUMBER	NOTE
1	DRINKING FOUNTAINS, SEE SPECS
2	3'-0" X 4'-0" TACKBOARD MOUNTED 5'-0" A.F.F. TO CENTERLINE. SEE SPECS.
3	COPIER (O.F.C.I.)

TOILET ACCESSORY SCHEDULE:

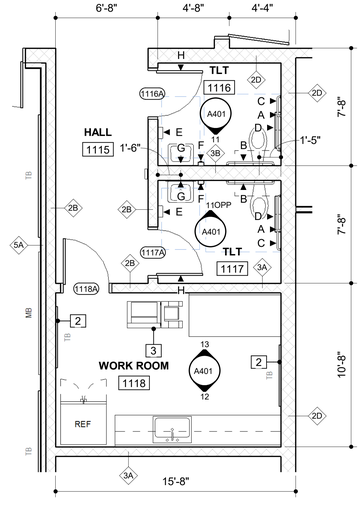
- A 18" VERTICAL GRAB BAR
- B 42" GRAB BAR
- C 48" GRAB BAR
- D TOILET TISSUE DISPENSER
- E ELECTRIC HAND DRYER
- F SOAP DISPENSER
- G MIRROR
- H ROBE HOOK
- J 20" X 60" MIRROR



N

3 ENLARGED PLAN - EXTERIOR CANOPY AND ADJACENT WALKS
1/4" = 1'-0"

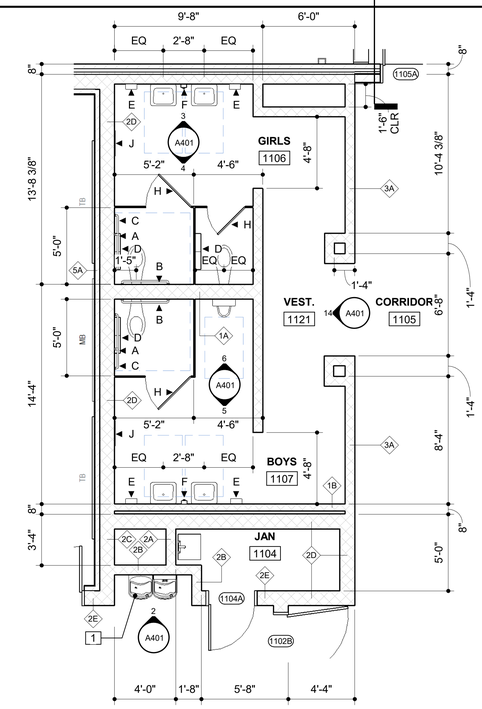
2'-0" 8'-0"
0" 4'-0" 16'-0"



N

2 ENLARGED PLAN - TLT 1116, TLT 1117, & WORK ROOM 1118
1/4" = 1'-0"

2'-0" 8'-0"
0" 4'-0" 16'-0"



N

1 ENLARGED PLAN - JAN 1104, BOYS 1107, & GIRLS 1106
1/4" = 1'-0"

2'-0" 8'-0"
0" 4'-0" 16'-0"

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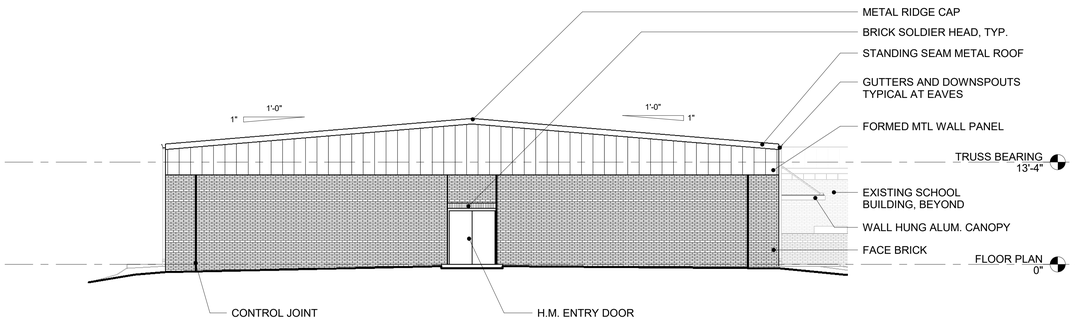
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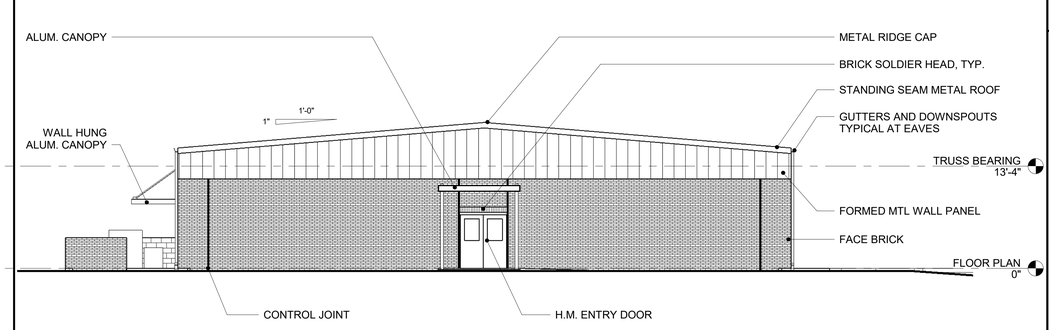
ENLARGED PLANS

A111



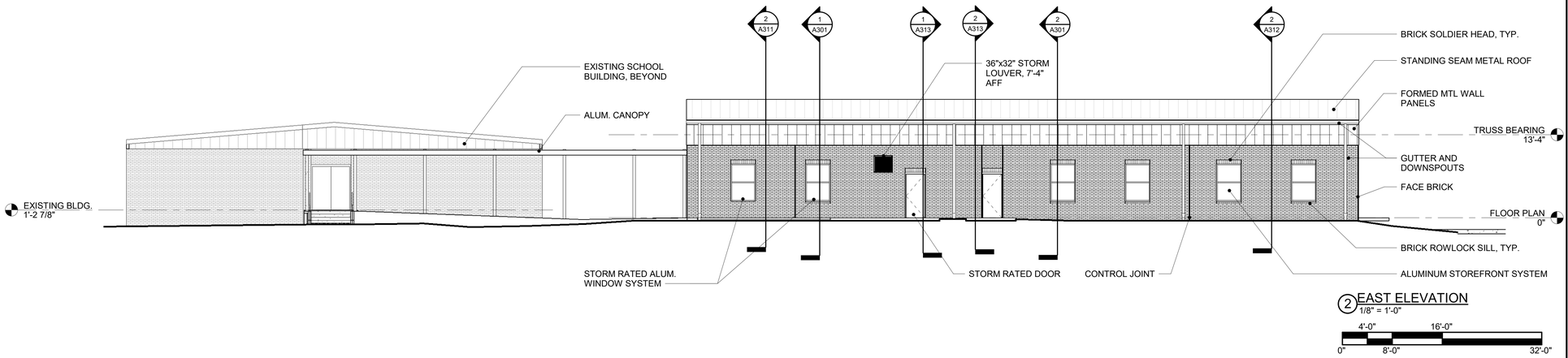
4 NORTH ELEVATION
1/8" = 1'-0"

0" 8'-0" 4'-0" 16'-0" 32'-0"



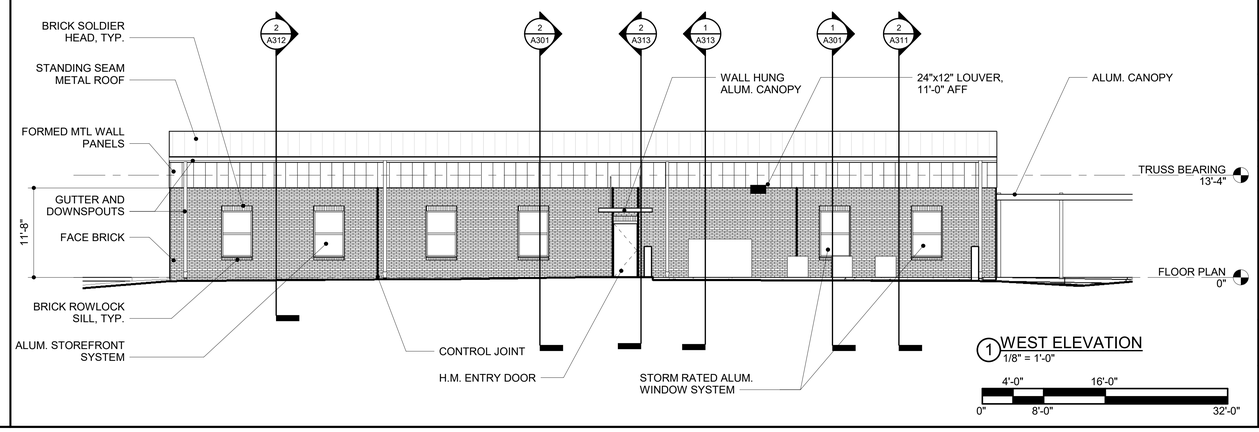
3 SOUTH ELEVATION
1/8" = 1'-0"

0" 8'-0" 4'-0" 16'-0" 32'-0"



2 EAST ELEVATION
1/8" = 1'-0"

0" 8'-0" 4'-0" 16'-0" 32'-0"



1 WEST ELEVATION
1/8" = 1'-0"

0" 8'-0" 4'-0" 16'-0" 32'-0"

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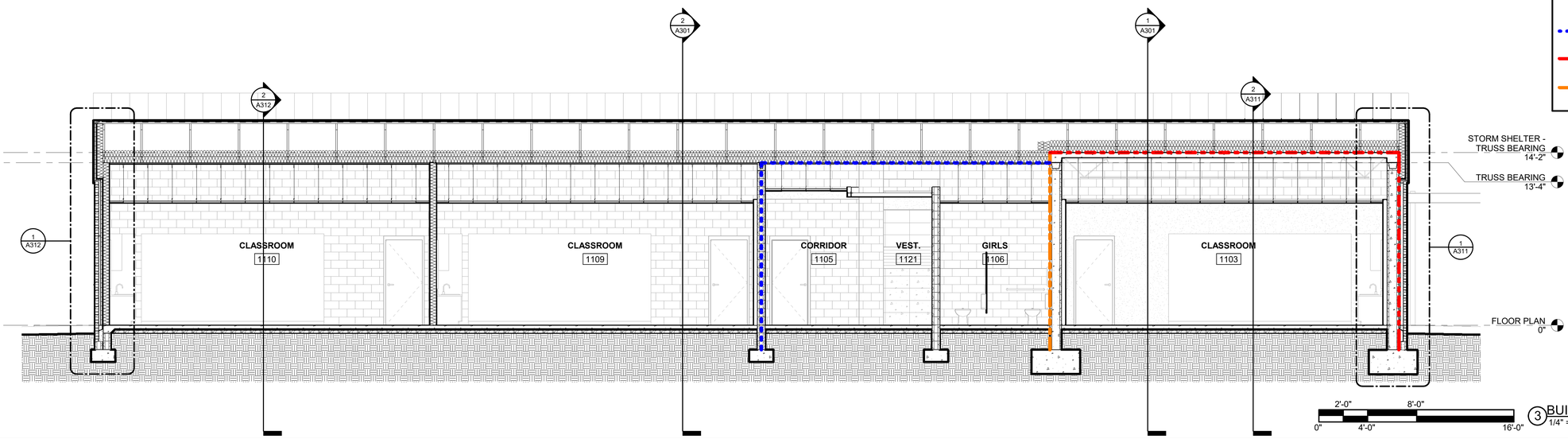
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EXTERIOR ELEVATIONS

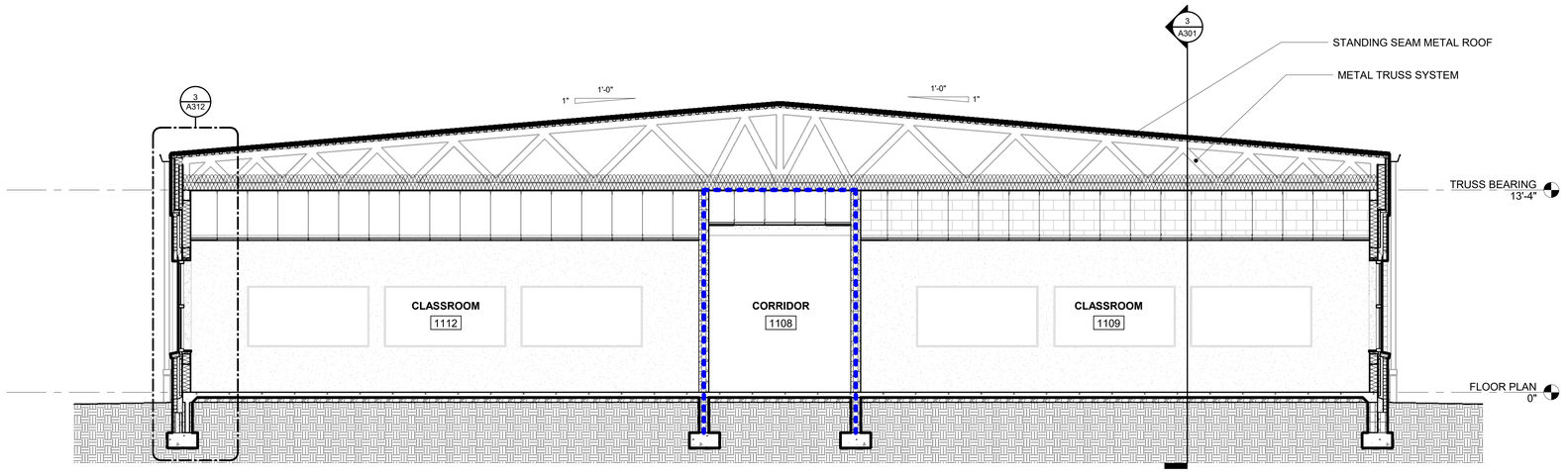
A201

DRAWING LEGEND:

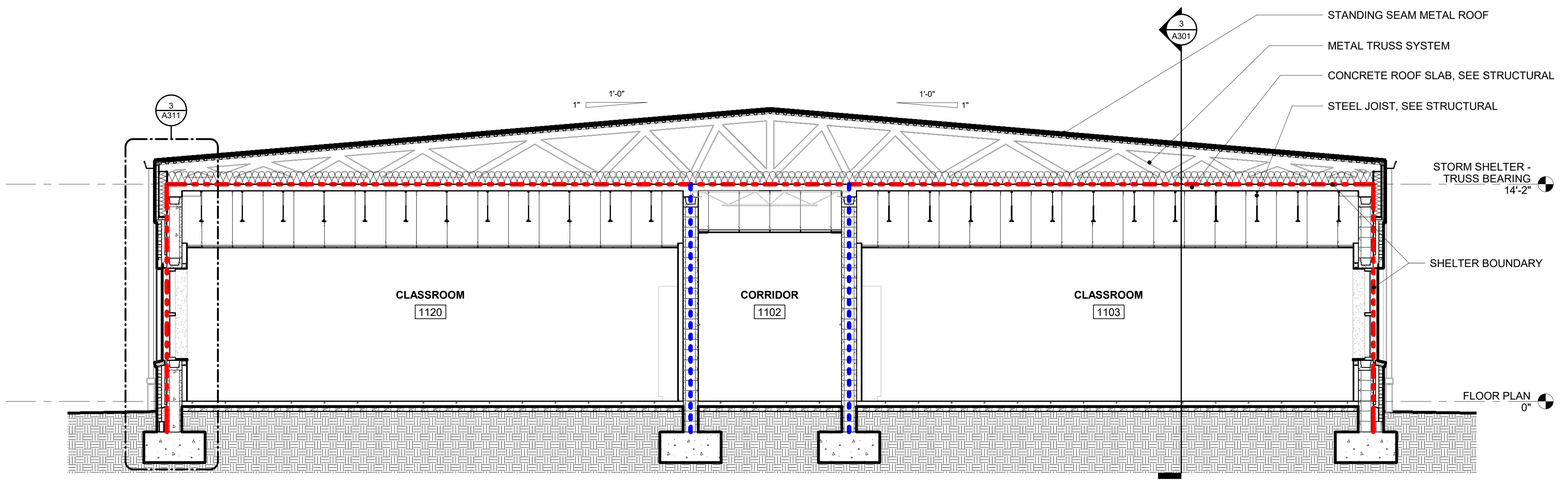
- 1 HR FIRE SEPARATION
- STORM RATED
- 2 HR FIRE SEPARATION & STORM RATED



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



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



1 BUILDING SECTION 1 - SHELTER
1/4" = 1'-0"

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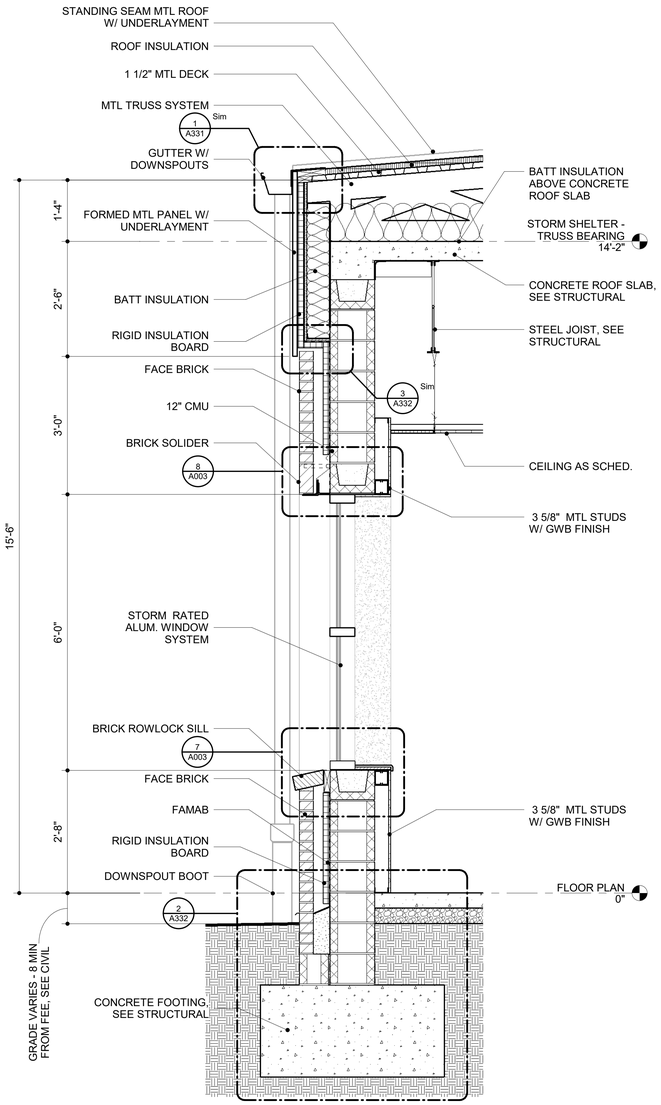
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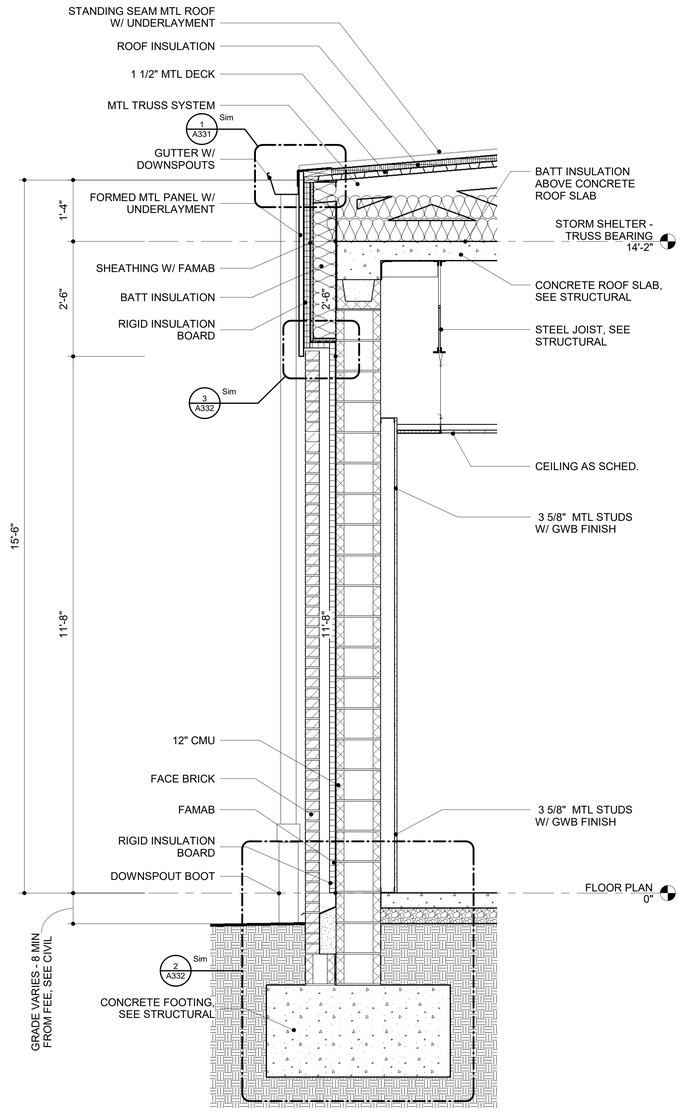
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BUILDING SECTIONS

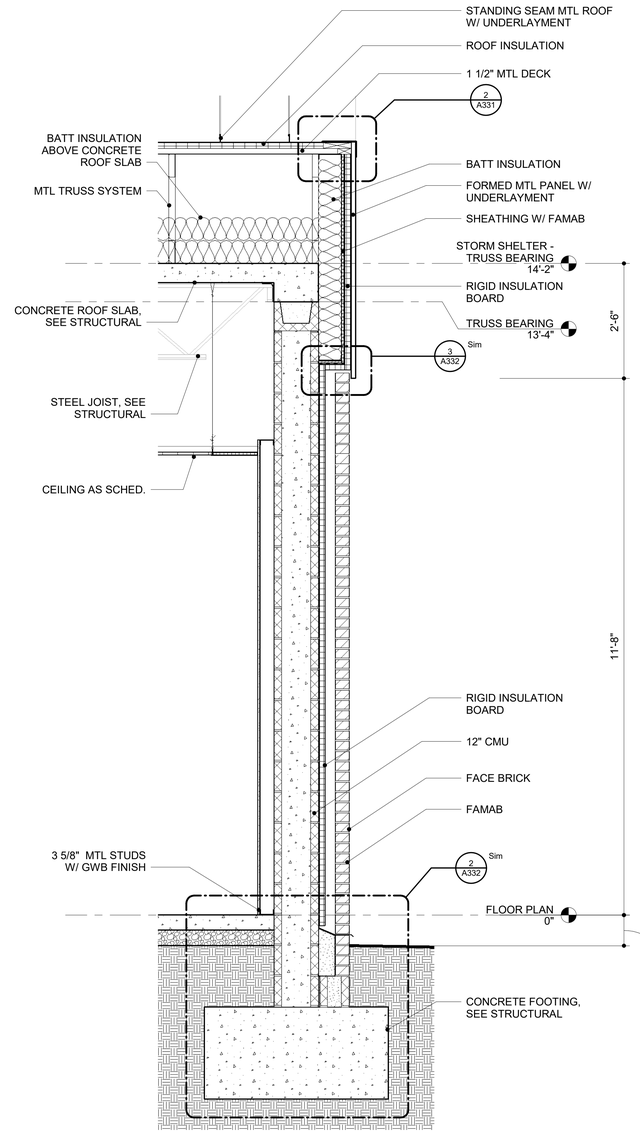
A301



3 WALL SECTION - SHELTER WALL AT WINDOW OPENING
3/4" = 1'-0"



2 WALL SECTION - TYPICAL SHELTER WALL AT GUTTER
3/4" = 1'-0"



1 WALL SECTION - TYPICAL SHELTER WALL AT RAKE
3/4" = 1'-0"

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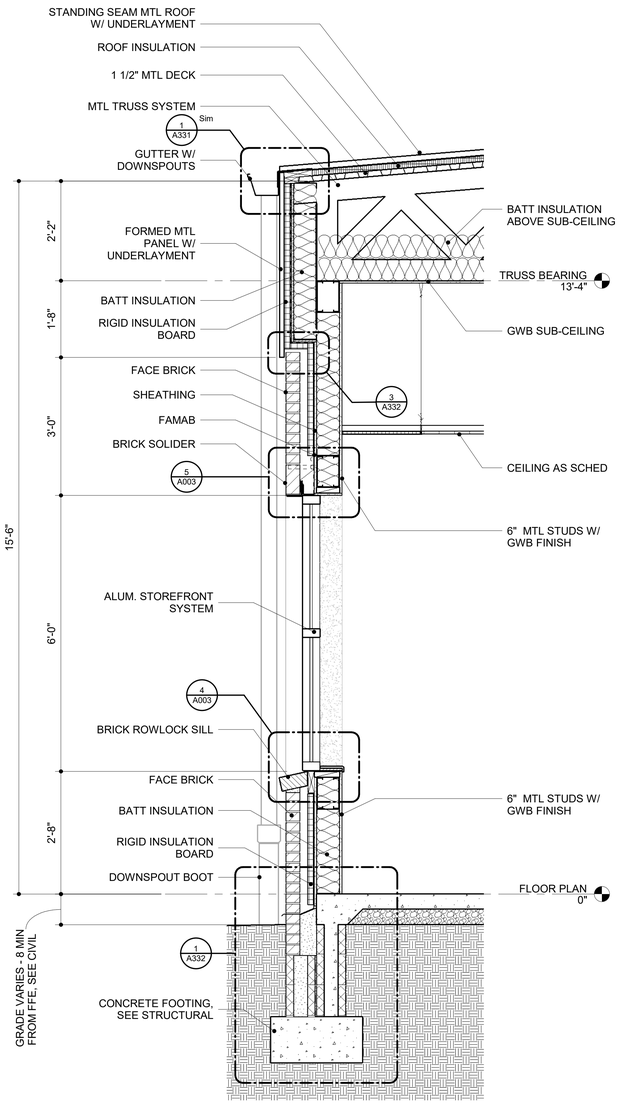
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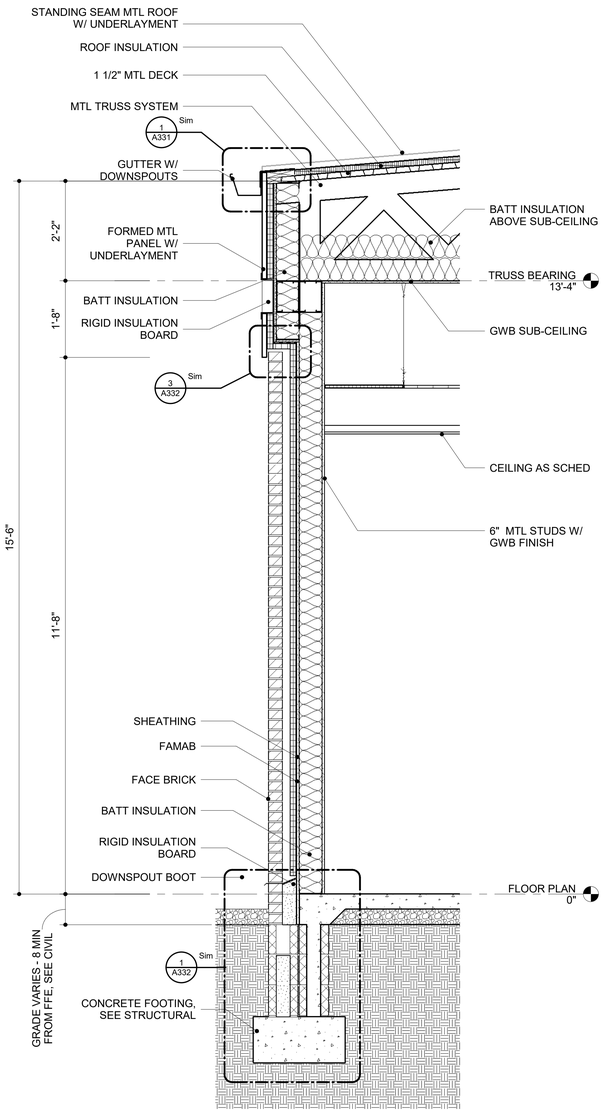
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WALL SECTIONS

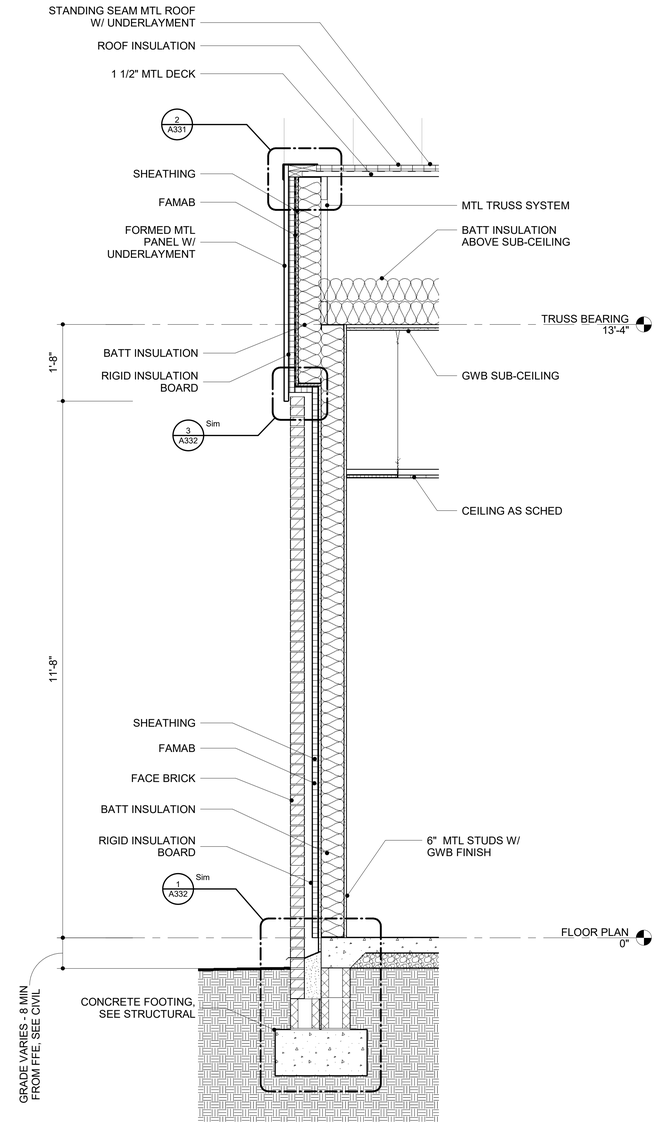
A311



3 WALL SECTION - STUD WALL AT SF OPENING
3/4" = 1'-0"



2 WALL SECTION - TYPICAL STUD WALL AT GUTTER
3/4" = 1'-0"



1 WALL SECTION - TYPICAL STUD WALL AT RAKE
3/4" = 1'-0"

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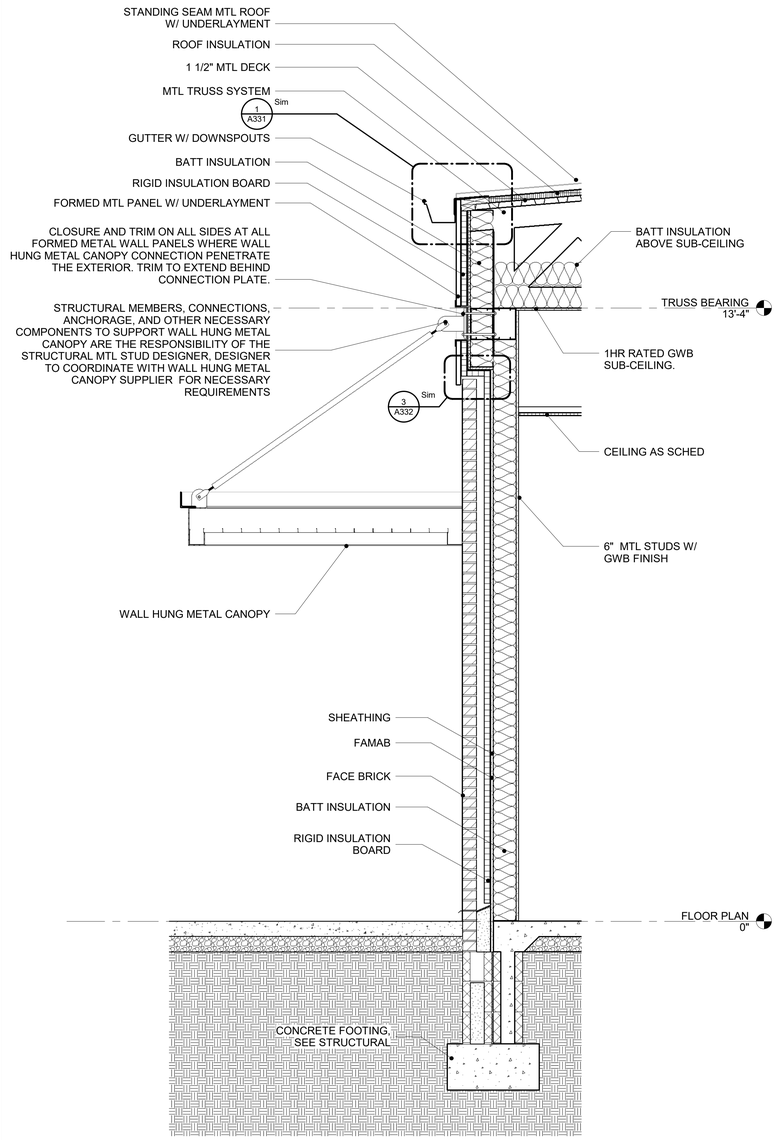
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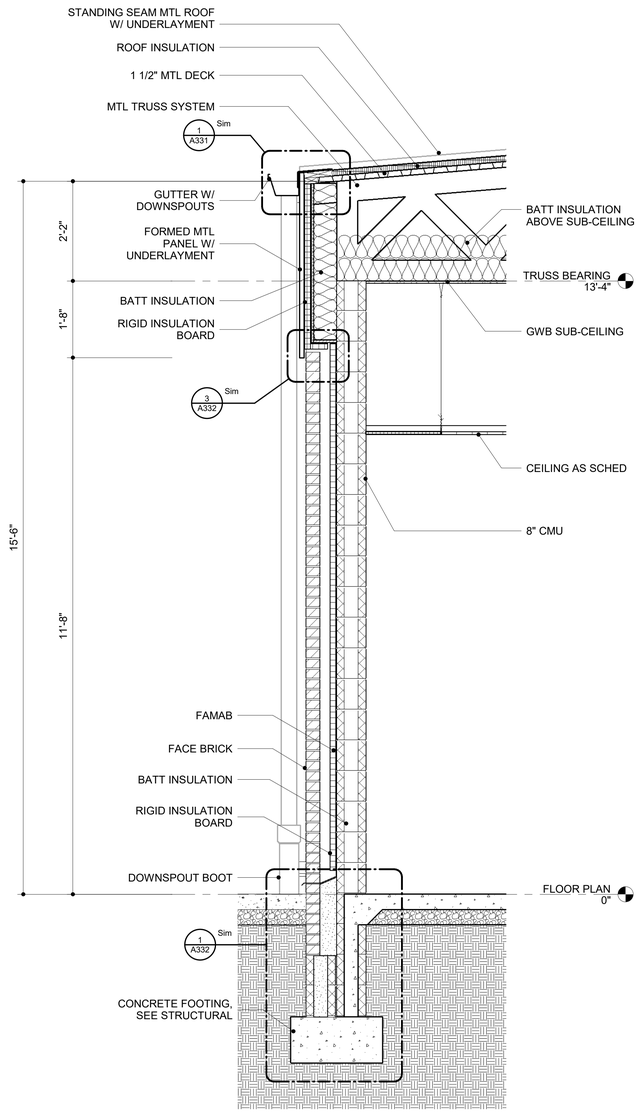
#	DESC	DATE

WALL SECTIONS

A312



2 WALL SECTION - STUD WALL AT WALL HUNG CANOPY
3/4" = 1'-0"



1 WALL SECTION - CMU WALL AT GIRLS 1106
3/4" = 1'-0"

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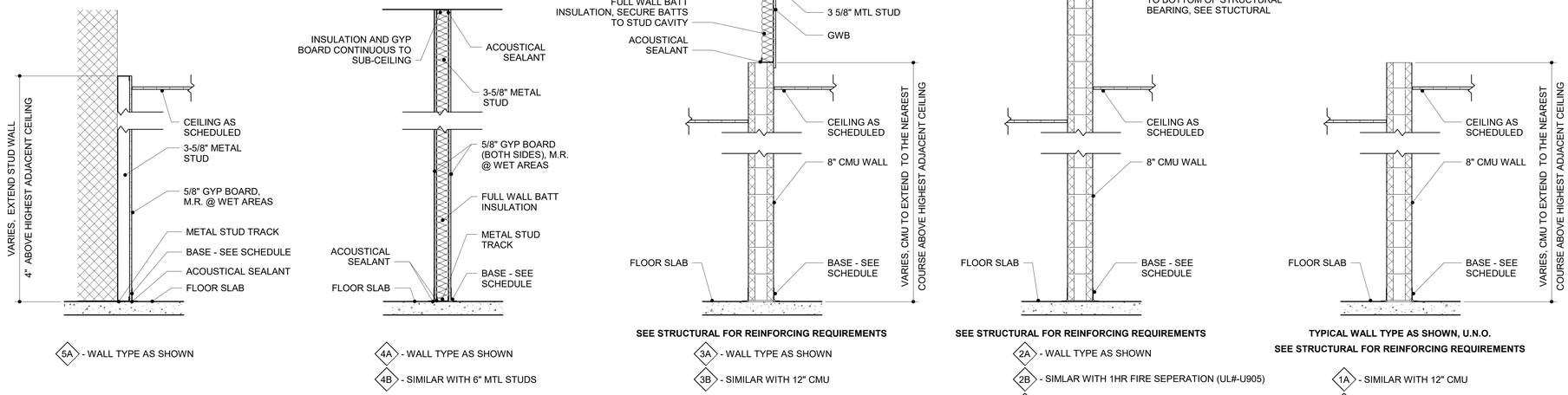
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#	DESC	DATE

WALL SECTIONS

A313



5A - WALL TYPE AS SHOWN

4A - WALL TYPE AS SHOWN

4B - SIMILAR WITH 6" MTL STUDS

SEE STRUCTURAL FOR REINFORCING REQUIREMENTS

3A - WALL TYPE AS SHOWN

3B - SIMILAR WITH 12" CMU

SEE STRUCTURAL FOR REINFORCING REQUIREMENTS

2A - WALL TYPE AS SHOWN

2B - SIMLAR WITH 1HR FIRE SEPERATION (UL#-U905)

2C - SIMILAR WITH 12" CMU

2D - SIMILAR WITH 12" CMU STORM RATED AND 2HR FIRE SEPERATION (UL#-U905)

2E - SIMILAR WITH 12" CMU WITH 1HR FIRE SEPERATION (UL#-U905)

TYPICAL WALL TYPE AS SHOWN, U.N.O.

SEE STRUCTURAL FOR REINFORCING REQUIREMENTS

1A - SIMILAR WITH 12" CMU

1B - SIMILAR WITH 6" CMU

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

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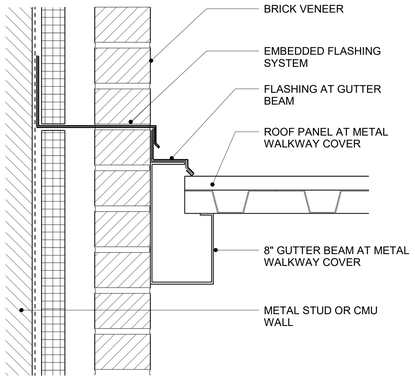
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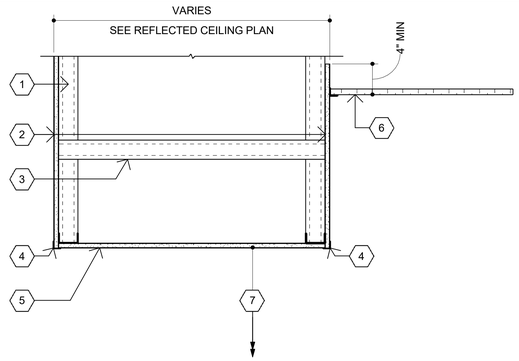
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WALL PARTITION TYPES

A316

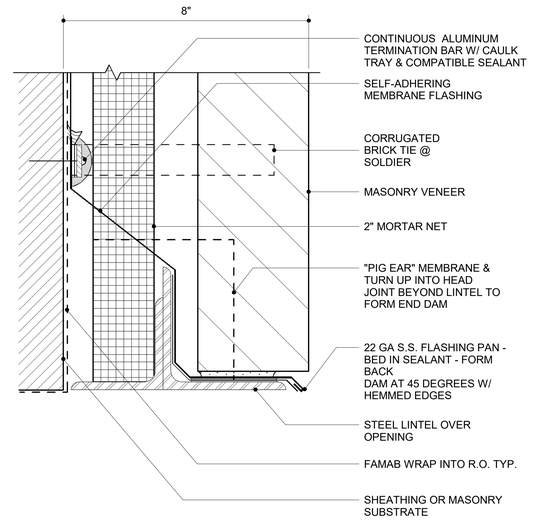


9 METAL CANOPY AT BRICK TIE-IN
3" = 1'-0"

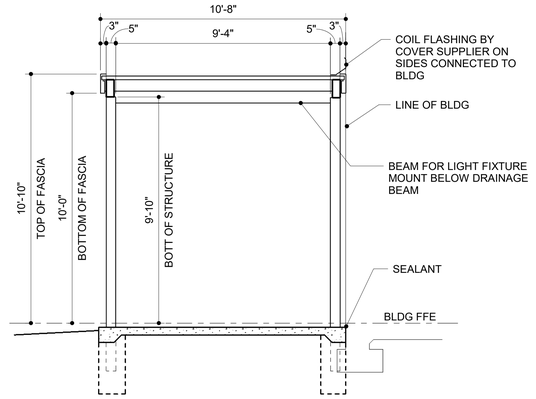


1. 2 1/2" METAL STUDS AT 24" OC TO DECK ABOVE
2. 5/8" GWB ON ALL FACES. EXTEND GWB 4" MIN ABOVE ALL CEILING
3. HORIZONTAL BRIDGING AT 48" OC.
4. METAL CORNER BEAD ON ALL OUTSIDE CORNERS
5. PAINTED FINISH, SEE FINISH SCHEDULE
6. SCHEDULED CEILING FINISH AND HEIGHT
7. SEE REFLECTED CEILING PLAN FOR HEIGHT ABOVE FINISHED FLOOR

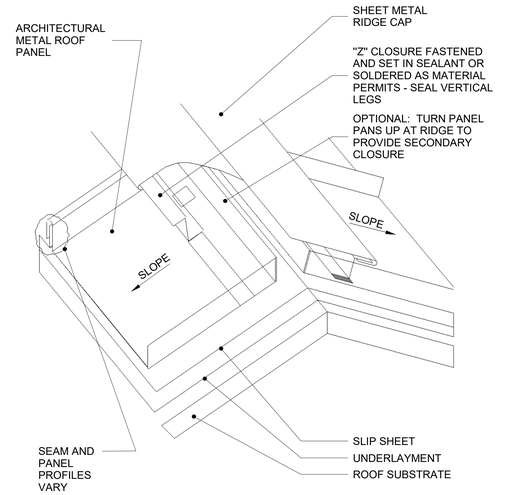
6 GWB SOFFIT
1 1/2" = 1'-0"



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



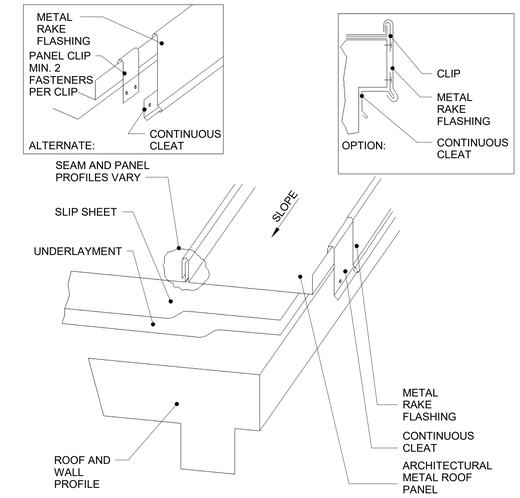
8 WALKWAY COVER - LOW HEIGHT
3/8" = 1'-0"



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 IF THE "Z" CLOSURE IS FASTENED THROUGH TO THE ROOF DECK.

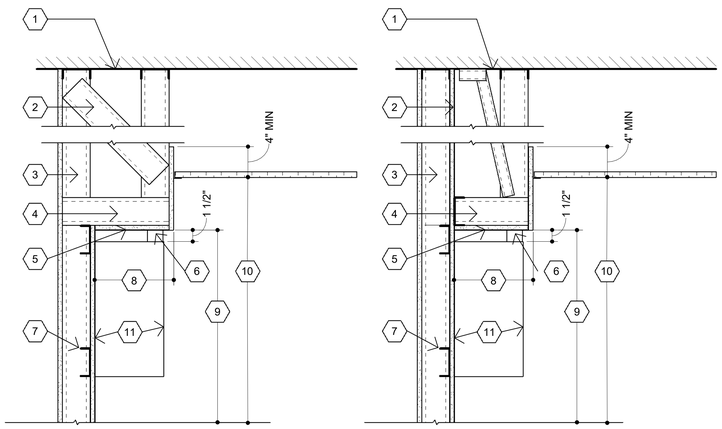
5 ROOF DETAIL METAL- NON VENTING RIDGE CAP FLASHING
12" = 1'-0"



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. REFER TO METAL TABLE 1 FOR PERIMETER EDGE METAL THICKNESS AND CLEAT RECOMMENDATIONS.

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

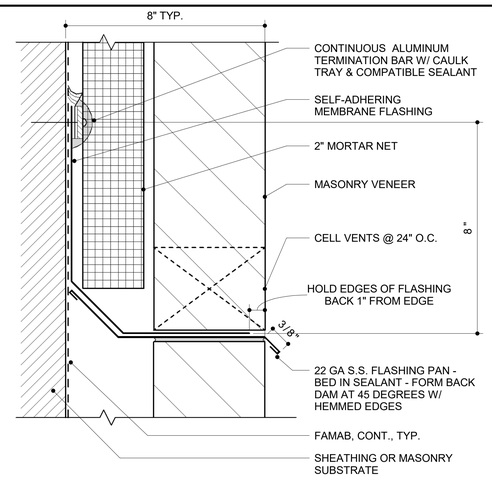


A. NON-RATED PARTITIONS

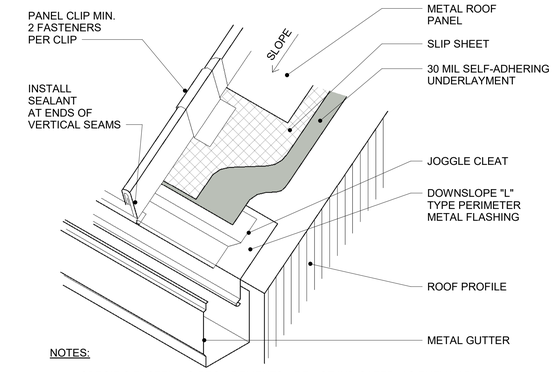
B. RATED OR ACOUSTIC PARTITIONS

1. STRUCTURAL DECK
2. STUD BRACING AT NOT MORE THAN 60 DEGREE ANGLE, 48" OC. SECURE TO PARTITION FRAMING AT NON-RATED, NON-ACOUSTICAL PARTITIONS. AT RATED PARTITIONS BRACE TO DECK ABOVE IF LESS THAN 12'-0". IF GREATER, PROVIDE AN ADDITIONAL SURFACE MOUNTED STUD TRACK (HORIZ.) SECURED TO PARTITION TO ATTACH BRACES.
3. SCHEDULED PARTITION TYPE
4. STUD SIZE AND SPACING TO MATCH PARTITION FRAMING
5. 5/8" GYP WALL BOARD
6. CONTINUOUS PLYWOOD SCRIBE AT UPPER CABINETS, PLASTIC LAMINATE ON ALL VISIBLE EDGES
7. BACKING PLATE, SEE GENERAL NOTES TO PARTITION TYPES FOR DETAIL REFERENCE
8. GWB SOFFIT DEPTH, SEE REFLECTED CEILING PLAN. CABINET DEPTH, EXTEND PAST EDGE OF CABINETS 2" MIN
9. BOTTOM OF SOFFIT, 7'-2" MIN, SEE REFLECTED CEILING PLAN
10. SCHEDULED CEILING HEIGHT AND MATERIAL, SEE FINISH SCHEDULE
11. FOR WALL MOUNTED MILLWORK OR CASEWORK REQUIREMENTS, SEE ENLARGED PLANS FOR REFERENCE

7 GWB SOFFIT AT WALL
1 1/2" = 1'-0"



4 EMBEDDED FLASHING SYSTEM & WEEP
6" = 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.

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

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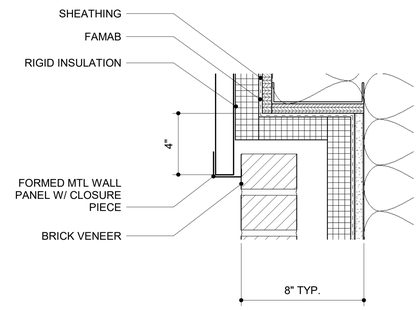
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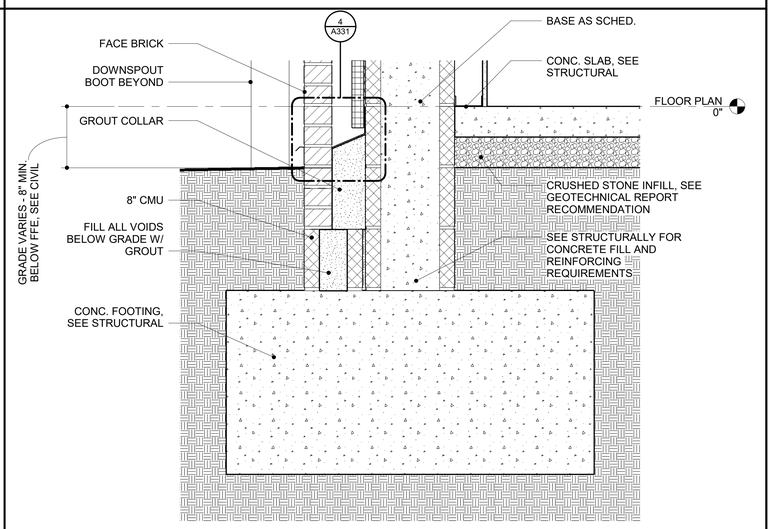
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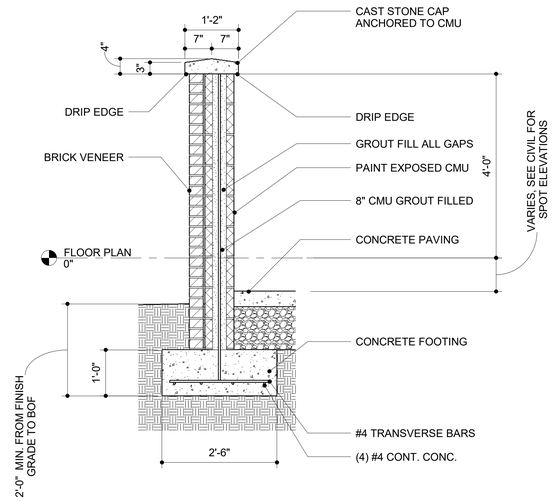
A331



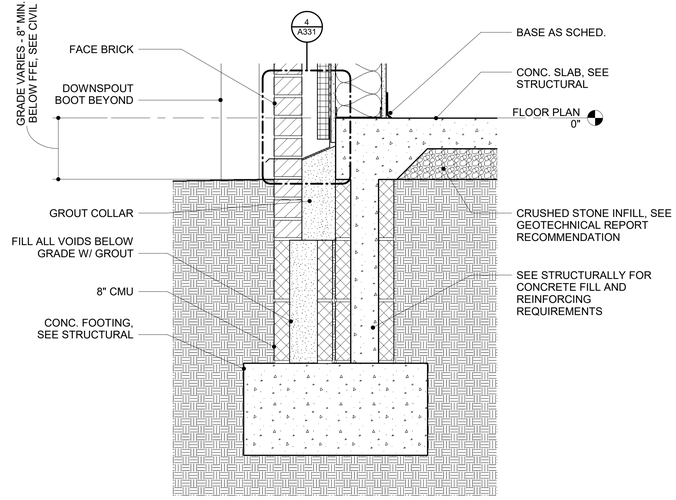
3 DETAIL - METAL PANEL TO BRICK TRANSITION
3" = 1'-0"



2 TYPICAL WALL DETAIL - FOOTING AT SHELTER
1 1/2" = 1'-0"



4 DETAIL - MECHANICAL YARD KNEE WALL
3/4" = 1'-0"



1 TYPICAL WALL DETAIL - FOOTING
1 1/2" = 1'-0"

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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY139, MAPLESVILLE, ALABAMA 36750

STATE OF ALABAMA
JORDAN C MORRIS
7084
REGISTERED ARCHITECT

BID SET

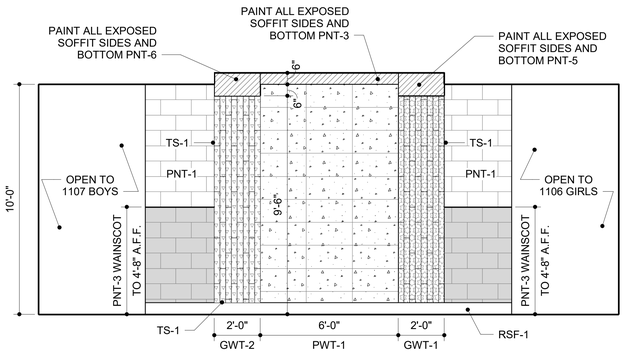
DATE: 11/16/26
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REVISIONS

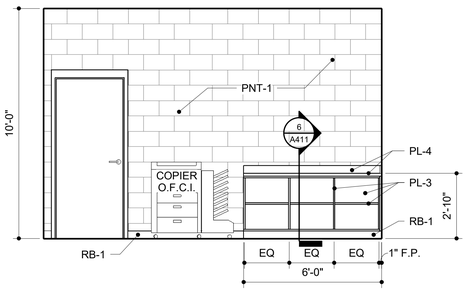
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SECTION DETAILS

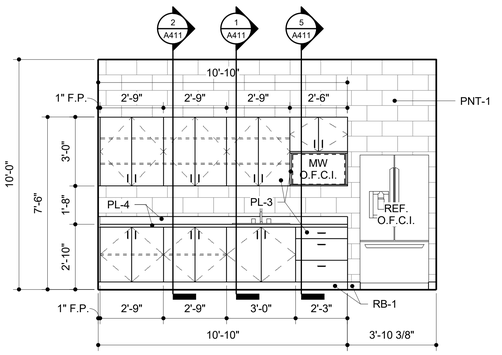
A332



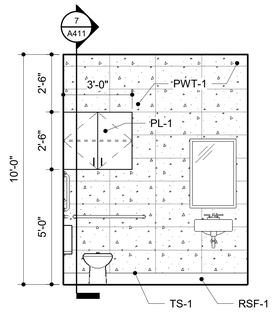
14 1121 VEST - SOUTH
3/8" = 1'-0"



13 1118 WORKROOM - WEST
3/8" = 1'-0"

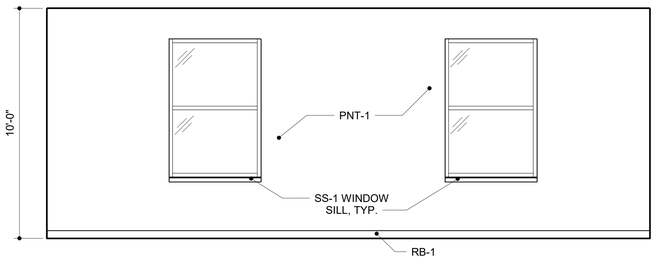


12 1118 WORKROOM - EAST
3/8" = 1'-0"

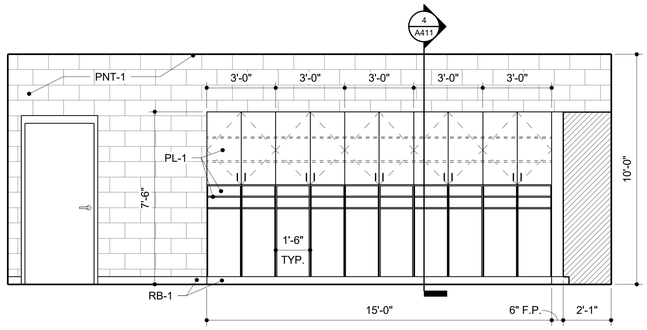


NOTE: SEE G102 FOR FIXTURE AND PLUMBING ACCESSORY HEIGHTS.

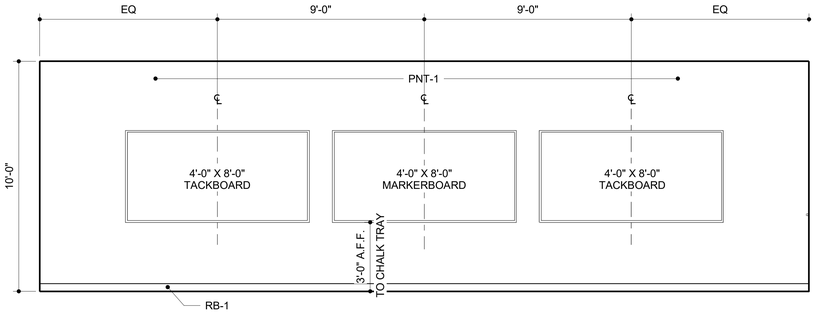
11 1116 TLT - EAST
3/8" = 1'-0"



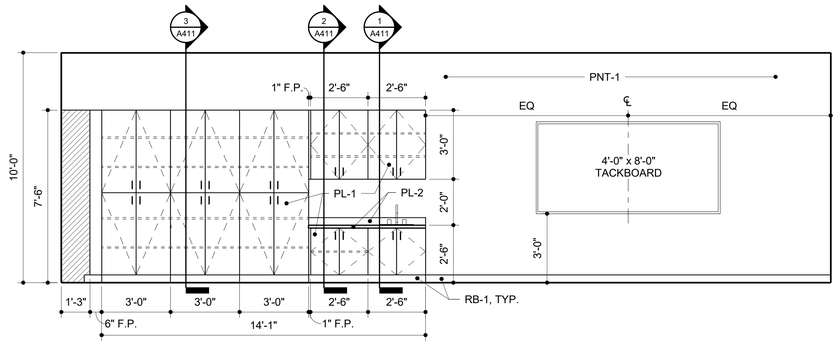
10 1112 CLASSROOM (TYP.) - EAST
3/8" = 1'-0"



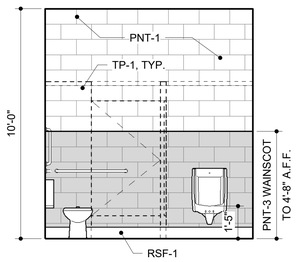
9 1112 CLASSROOM (TYP.) - WEST
3/8" = 1'-0"



8 1112 CLASSROOM (TYP.) - SOUTH
3/8" = 1'-0"

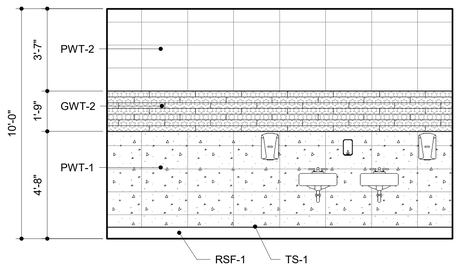


7 1112 CLASSROOM (TYP.) - NORTH
3/8" = 1'-0"



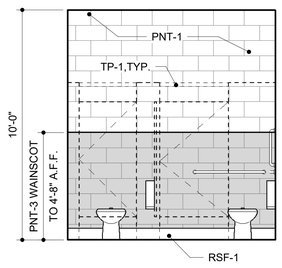
NOTE: SEE G102 FOR FIXTURE AND PLUMBING ACCESSORY HEIGHTS. URINAL TO BE 17" HIGH TO RIM AND 13.5" DEEP, TYP.

6 1107 BOYS - WEST
3/8" = 1'-0"



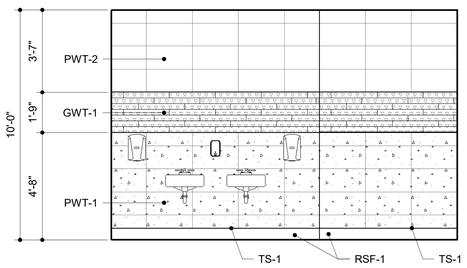
NOTE: SEE G102 FOR FIXTURE AND PLUMBING ACCESSORY HEIGHTS.

5 1107 BOYS - EAST
3/8" = 1'-0"



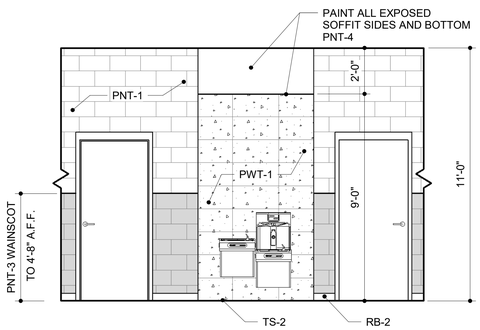
NOTE: SEE G102 FOR FIXTURE AND PLUMBING ACCESSORY HEIGHTS.

4 1106 GIRLS - EAST
3/8" = 1'-0"



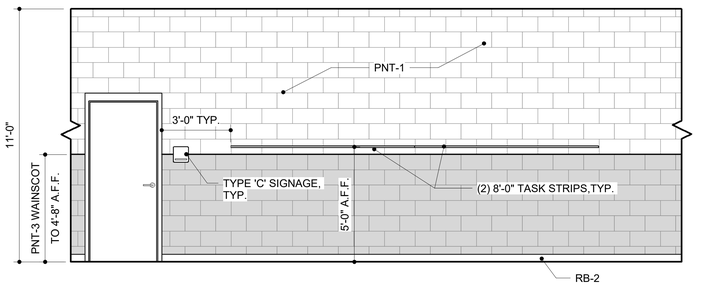
NOTE: SEE G102 FOR FIXTURE AND PLUMBING ACCESSORY HEIGHTS.

3 1106 GIRLS - WEST
3/8" = 1'-0"



NOTE: SEE G102 FOR FIXTURE AND PLUMBING ACCESSORY HEIGHTS.

2 1102 CORRIDOR - WATER FOUNTAIN
3/8" = 1'-0"



1 TYPICAL CORRIDOR AT CLASSROOM
3/8" = 1'-0"

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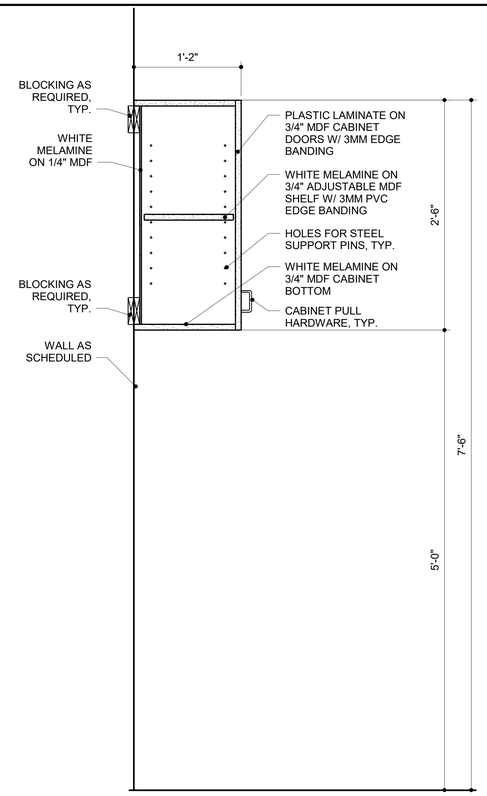
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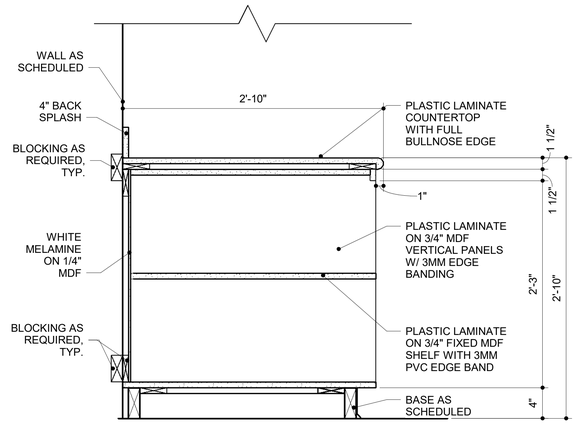
INTERIOR ELEVATIONS

A401



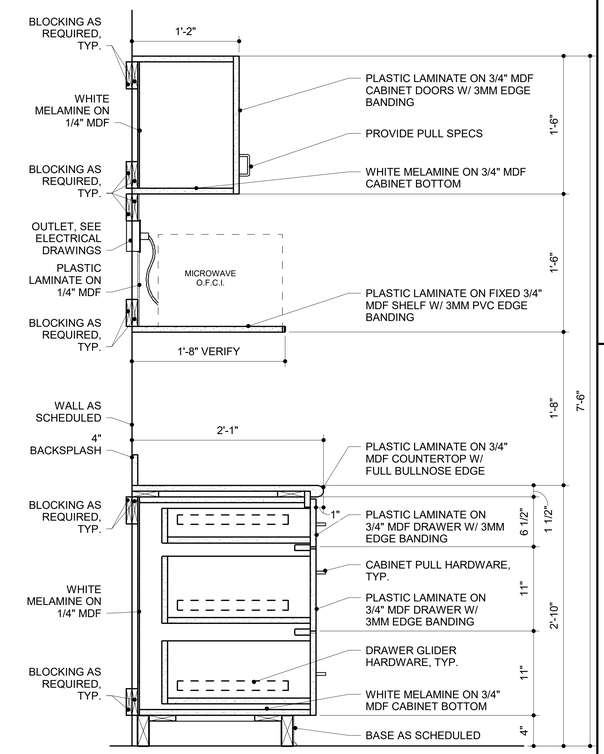
NOTE: PLASTIC LAMINATE ON ALL EXPOSED SURFACES. CABINETS TO HAVE 3MM PVC EDGE BANDING ON ALL EDGES.

7 UPPER CABINET SECTION
1 1/2" = 1'-0"



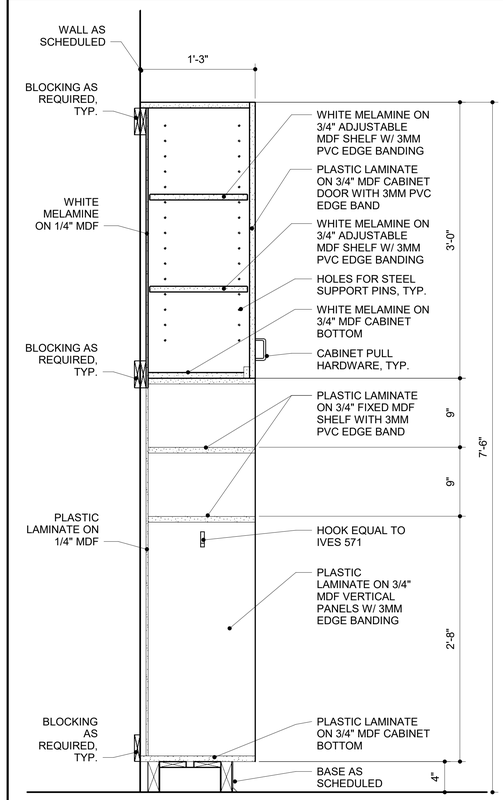
NOTE: PLASTIC LAMINATE ON ALL EXPOSED SURFACES. CABINETS TO HAVE 3MM PVC EDGE BANDING ON ALL EDGES.

6 2'-10" DEEP CABINET SECTION
1 1/2" = 1'-0"



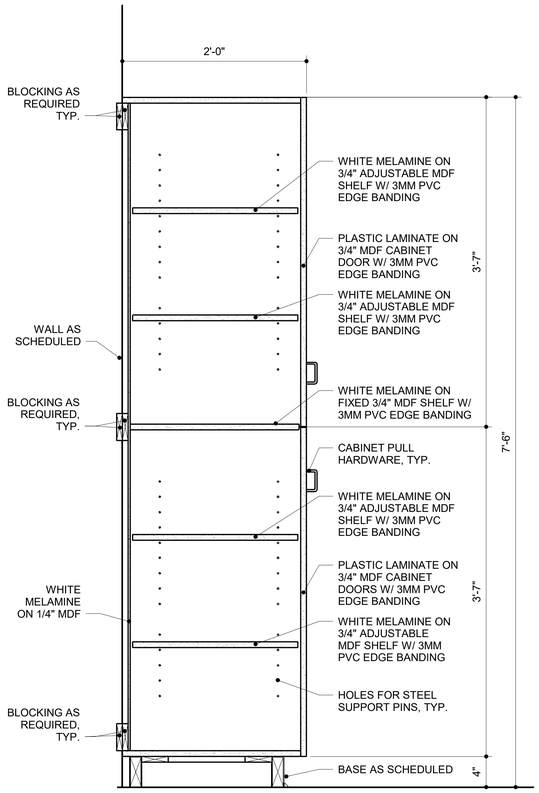
NOTE: PLASTIC LAMINATE ON ALL EXPOSED SURFACES. CABINETS TO HAVE 3MM PVC EDGE BANDING ON ALL EDGES.

5 CABINET WITH MICROWAVE SHELF SECTION
1 1/2" = 1'-0"



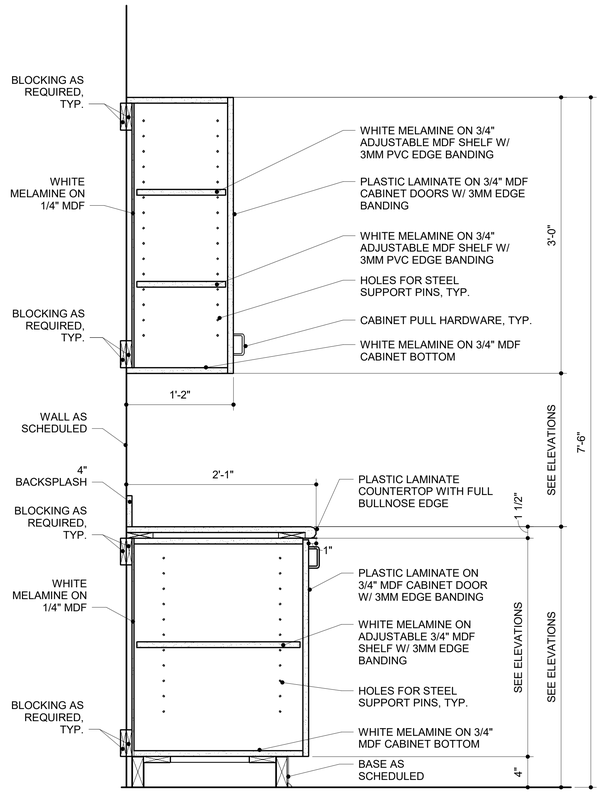
NOTE: PLASTIC LAMINATE ON ALL EXPOSED SURFACES. CABINETS TO HAVE 3MM PVC EDGE BANDING ON ALL EDGES.

4 CUBBIES CABINET SECTION
1 1/2" = 1'-0"



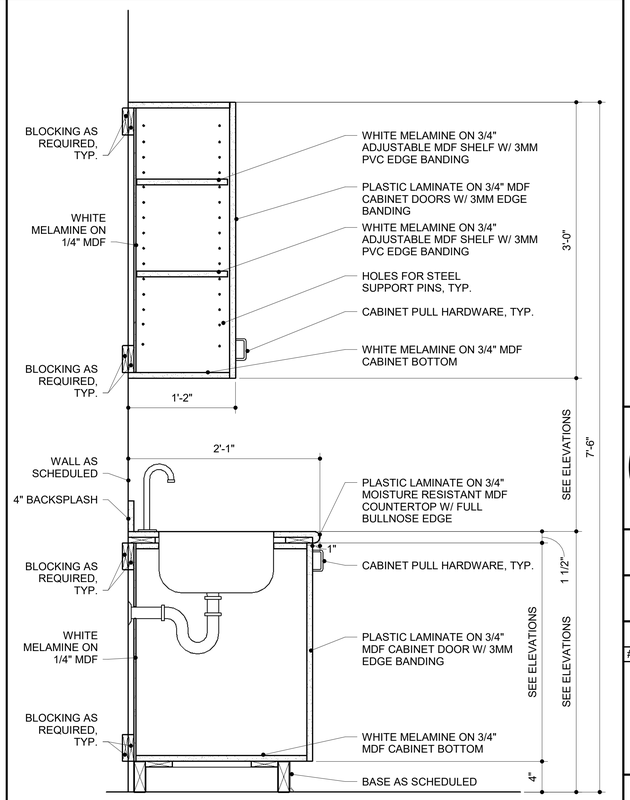
NOTE: PLASTIC LAMINATE ON ALL EXPOSED SURFACES. CABINETS TO HAVE 3MM PVC EDGE BANDING ON ALL EDGES.

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



NOTE: PLASTIC LAMINATE ON ALL EXPOSED SURFACES. CABINETS TO HAVE 3MM PVC EDGE BANDING ON ALL EDGES.

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



NOTE: PLASTIC LAMINATE ON ALL EXPOSED SURFACES. CABINETS TO HAVE 3MM PVC EDGE BANDING ON ALL EDGES.

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

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JORDAN C MORRIS
7084
REGISTERED ARCHITECT

BID SET

DATE: 11/16/26
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REVISIONS

#	DESC	DATE

INTERIOR SECTIONS

A411

REFLECTED CEILING PLAN LEGEND:

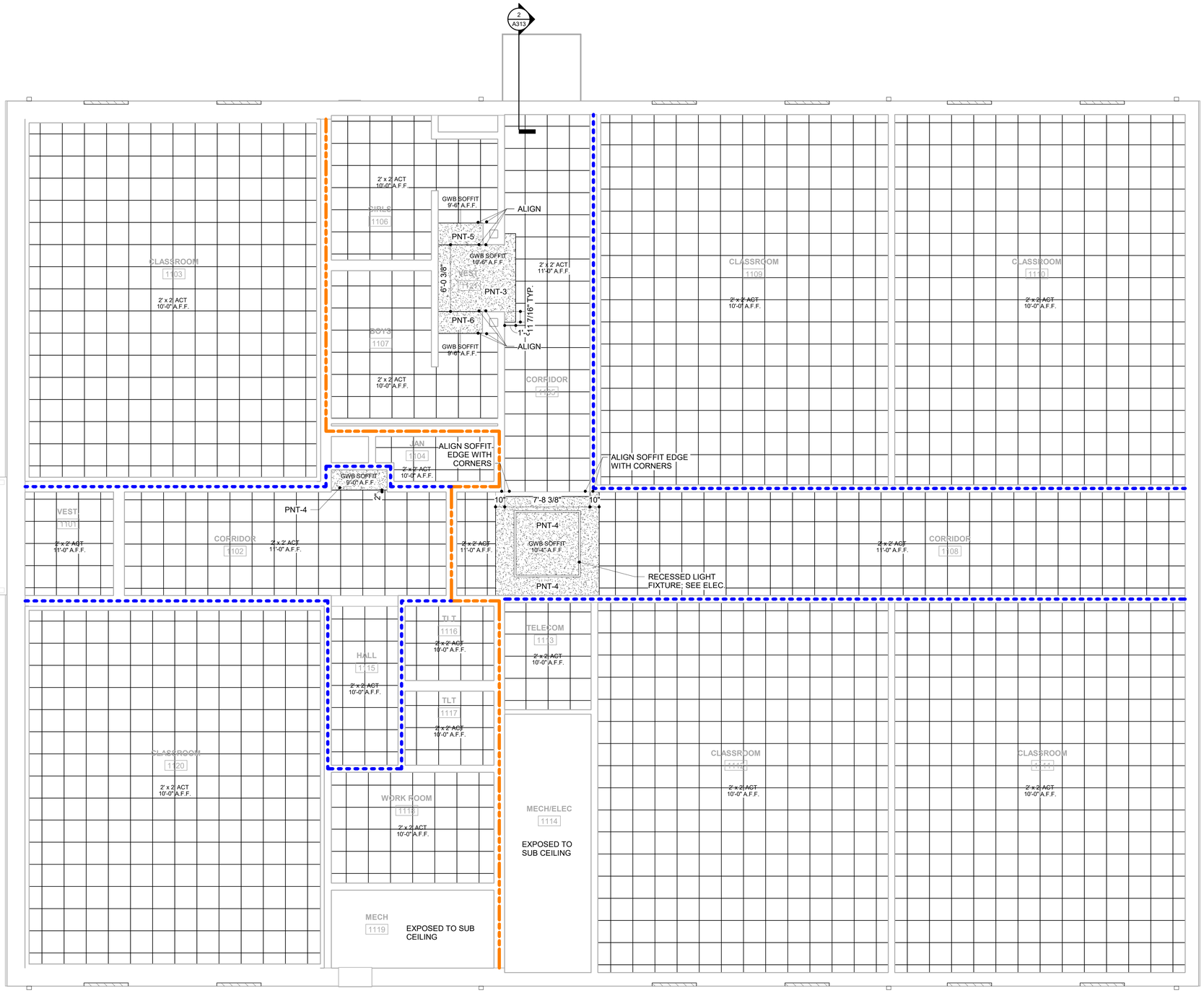
- 2' X 2' ACOUSTICAL CEILING TILE
- GYPSUM BOARD CEILING
- RECESSED LIGHT FIXTURE

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.

- 1HR FIRE SEPARATION
- 2 HR FIRE SEPARATION & STORM RATED

NOTE: CORRIDORS AND RESTROOM AREAS OUTSIDE OF SHELTER EXTENTS ARE TO RECEIVE A 1HR RATED SUB-CEILING ATTACHED TO THE BOTTOM OF THE TRUSSES (UL#-P564).

NOTE: U.N.O ALL ROOMS OUTSIDE THE SHELTER EXTENTS TO RECIEVE GWB SUB-CEIILING ATTACHED TO THE BOTTOM OF THE TRUSSES



1 REFLECTED CEILING PLAN
1/4" = 1'-0"

2'-0" 8'-0"
0" 4'-0" 16'-0"

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REFLECTED CEILING PLAN

A501



1 FLOOR PATTERN PLAN
1/4" = 1'-0"

FINISH LEGEND

FLOORING:

	LVT-1	LUXURY VINYL TILE SHAW CONTRACT COLLECTION: BRANCHING OUT STYLE: BRANCHING OUT 4480V COLOR: PLAINS OAK 56250 SIZE: 6" X 48" INSTALLATION METHOD: STAGGER
	LVT-2	LUXURY VINYL TILE SHAW CONTRACT COLLECTION: DIALOGUE STYLE: TYPE 4142V COLOR: CONVEY 42515 SIZE: 24" X 24" INSTALLATION METHOD: MONOLITHIC
	LVT-3	LUXURY VINYL TILE SHAW CONTRACT COLLECTION: COLORLINK STYLE: COLORLINK 4609V COLOR: ROSY RED 00870 SIZE: 8" X 48" INSTALLATION METHOD: STAGGER
	LVT-4	LUXURY VINYL TILE SHAW CONTRACT COLLECTION: COLORLINK STYLE: COLORLINK 4609V COLOR: CONFIDENT 00890 SIZE: 8" X 48" INSTALLATION METHOD: SEE FLOOR PATTERN PLAN
	LVT-5	LUXURY VINYL TILE SHAW CONTRACT COLLECTION: COLORLINK STYLE: COLORLINK 4609V COLOR: WISP 00411 SIZE: 8" X 48" INSTALLATION METHOD: SEE FLOOR PATTERN PLAN
	LVT-6	LUXURY VINYL TILE SHAW CONTRACT COLLECTION: COLORLINK STYLE: COLORLINK 4609V COLOR: SUNNY 00211 SIZE: 8" X 48" INSTALLATION METHOD: SEE FLOOR PATTERN PLAN
	RSF-1	RESINOUS FLOORING WITH 6" COVE BASE SHERWIN WILLIAMS RESUFLOR DECO FLAKE SB COLOR: LIMESTONE FLAKE SIZE: 1/8" SEE 2/A001 FOR RESINOUS BASE DETAIL
	S-CONC	SEALED CONCRETE

TRANSITION STRIPS:

TS-1	TRIM AT PORCELAIN WALL TILE EDGES SCHLUTER SYSTEMS JOLLY FINISH: SATIN NICKEL ANODIZED ALUMINUM (AT)
TS-2	COVE BASE TRANSITION SCHLUTER SYSTEMS DILEX-AHK FINISH: SATIN NICKEL ANODIZED ALUMINUM (AT)
TS-3	RESILIENT TO RESINOUS SCHLUTER SYSTEMS VINPRO-U FINISH: BRUSHED NICKEL ANODIZED ALUMINUM (ATGB)

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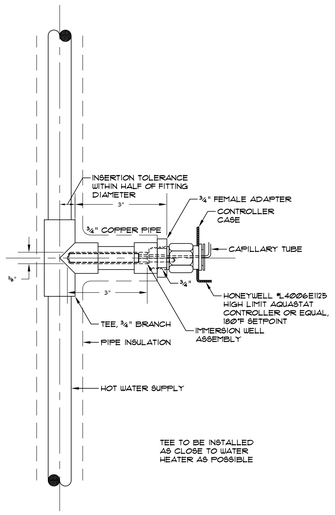
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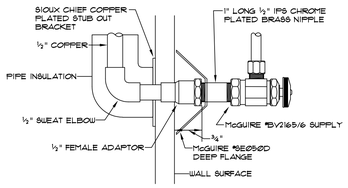
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FLOOR PATTERN PLAN

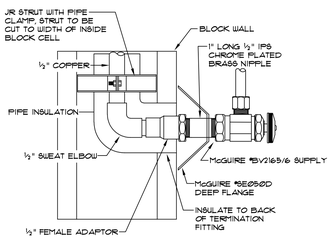
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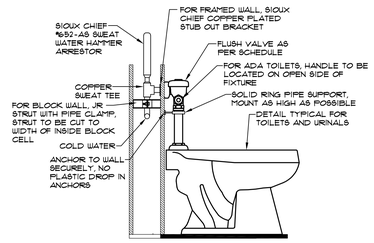
WATER HEATER
TEMPERATURE SENSOR DETAIL
13 NOT TO SCALE



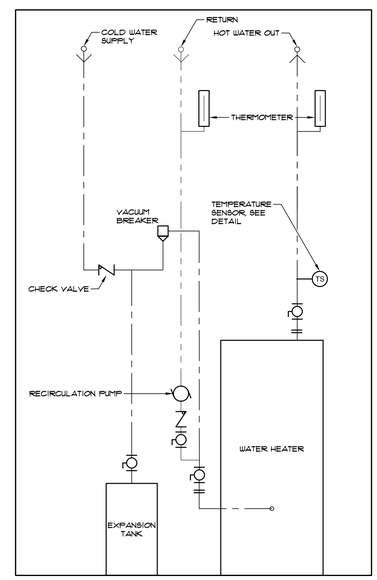
14 STUD WALL SUPPLY DETAIL
NOT TO SCALE



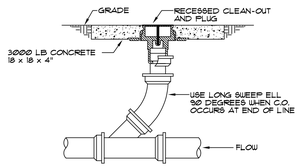
12 BLOCK WALL SUPPLY DETAIL
NOT TO SCALE



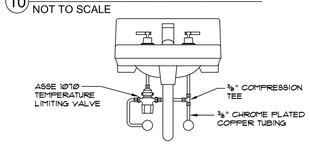
11 FLUSH VALVE DETAIL
NOT TO SCALE



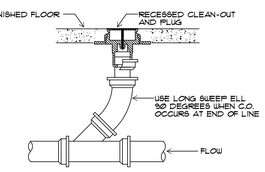
WATER HEATER W/
RECIRCULATION PUMP SCHEMATIC
7 NOT TO SCALE



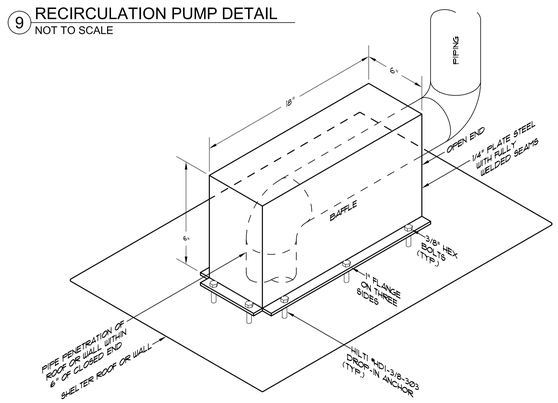
10 GRADE CLEANOUT DETAIL
NOT TO SCALE



8 LAVATORY MIXING DETAIL
NOT TO SCALE



6 FINISHED FLOOR CLEANOUT DETAIL
NOT TO SCALE



9 RECIRCULATION PUMP DETAIL
NOT TO SCALE

5 STORM SHELTER PENETRATION DETAIL
NOT TO SCALE

NEW PIPING
COLD WATER
HOT WATER
HOT WATER RETURN
SANITARY
SANITARY VENT

NEW BELOW FINISHED FLOOR / GRADE PRESSURE PIPING
COLD WATER

4 PLUMBING LEGEND
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 PRO PRESS FITTINGS.
- BELOW SLAB WASTE PIPING TO BE CONTINUOUSLY SUPPORTED ON UNDISTURBED OR MECHANICALLY COMPACTED 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 WRAPPED 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 5-120 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 AND MUST BE INSTALLED IN COMPLIANCE WITH THE 2015 NATIONAL BOILER INSPECTION CODE ANSI/NB23. PLUMBING CONTRACTOR MUST REQUEST TAGS FROM THE STATE OF ALABAMA AND PERMANENTLY AFFIX IT TO THE WATER HEATER. ALL STATE FEES FOR INSPECTION AND CERTIFICATION ARE TO BE PAID BY PLUMBER. SPECIFIC CODE REQUIREMENTS AS FOLLOWS:
  - •• 16.7 ROOM WITH WATER HEATER MUST HAVE EMERGENCY LIGHTING
  - •• 16.10.d OPERATIONAL TEST IS REQUIRED INCLUDING OPERATING CONTROLS, LIMIT CONTROLS, AND SAFETY DEVICES WITNESSED BY BOILER INSPECTOR. ALL TEST DATA TO BE RECORDED.
  - •• 3.5.3.5.b MANUALLY OPERATED REMOTE SHUTDOWN SWITCH OR CIRCUIT BREAKER SHALL BE LOCATED JUST OUTSIDE THE EQUIPMENT ROOM DOOR AND MARKED FOR EASY IDENTIFICATION. CONSIDERATION MADE TO PREVENT TAMPERING.
  - •• 3.5.3.5.c LOCKING DISCONNECT AT WATER HEATER
  - •• 3.7.5.2 STOP VALVES MUST BE INSTALLED ON SUPPLY AND DISCHARGE OF WATER HEATER.
  - •• 3.8.3.1 IN ADDITION TO OPERATING CONTROLS, A SEPARATE HIGH LIMIT TEMPERATURE ACTUATED CONTROL TO SHUT OFF FUEL SUPPLY AT TEMPERATURES ABOVE 210F (HONEYWELL T-4006E1125.)
  - •• 3.8.3.2 THERMOMETER REQUIRED ON OUTLET PIPING

3 PLUMBING GENERAL NOTES
NO 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	SINGLE KITCHEN SINK	SINGLE BOWL KITCHEN SINK, FAUCET LESS HANDSPRAY, SUPPLIES, BASKET STRAINER, P-TRAP
P-6	MOP SINK	MOP SINK, FAUCET, WALL GUARDS, HOSE WITH HOSE CLIP
P-7	ADA DOUBLE WATER COOLER	DUAL LEVEL WATER COOLER, SUPPLY, P-TRAP, CANE APRON, BOTTLE FILLER
P-8	FLOOR DRAIN	JAY R. SMITH #2005, 6" ROUND TOP, 3" OUTLET, TRAP SEAL INSERT
P-9	SMALL FLOOR SINK	JAY R. SMITH #3100, 8x8", 2" OUTLET, DOME STRAINER, 3/4 RIM AND GRATE
P-10	ICE MAKER BOX	GUY GRAY #BIM875, WATER HAMMER ARRESTOR, 6' STAINLESS BRAIDED HOSE
P-11	40 GALLON ELECTRIC WATER HEATER	40 GALLON STORAGE CAPACITY, 208/240V, 4500 WATT (3380 W AT 208V), AMTROL #ST-5 EXPANSION TANK, HOLDRITE #QS-5 EXPANSION TANK BRACKET
P-12	CIRCULATION PUMP	ARMSTRONG ASTRO #220SS, UNION CONNECTION, 120V, AQUASTAT
P-13	WALL HYDRANT	FROST RESISTANT, 8" WALL DEPTH

2 PLUMBING FIXTURE SCHEDULE
NO SCALE

Fixture type	Approved Fixture Models
ADA Flush Valve Water Closet	AS #3043.001; Kohler #K-96057; Toto #ICT705ELN; Zurn #Z5665-BWL1
Flush Valve Water Closet	AS #2234.015; Kohler #K-96053; Toto #ICT705UNX; Zurn #Z5655-BWL1
Water Closet Flush Valve	Sloan Royal #111-1.6-YK; Zurn #Z6000AV-WS1-YK
Water Closet Supplies	McGuire #LFBV2166; Zurn #Z8802DCRQ-PC; BrassCraft #KTR17XC
Open Front Closet Seat	Bemis #1655SSCT; Church #9500SSCT; ProFlo #PFTSCOFH2000WH; Jones Stephens Corp. #C108SSC00
ADA Urinal	AS #6590.001; Kohler #K-4991-ET; Toto #UT447E; Zurn #Z5755-U; Gerber #HE-27-730
Urinal Flush Valve	Sloan Royal #186-0.5; Zurn #Z6003AV-EWS-YK
ADA Wall Hung Lavatory 8"	Toto #LT307.8; AS #0356.015; Kohler #K-2030; Zurn #Z5368
Supply (lav, sink, cooler)	McGuire #LFBV2165; BrassCraft #KTR17XC1; Zurn #Z8802LRQ-PC
Lavatory Trap	McGuire #8872C; Zurn #Z8700-8-PC-B; ProFlo #PFPTB400; DB #707BN-1
Grid Strainer (lavatory)	McGuire #155A; Zurn #Z8743-PC; T&S #B-0899; ProFlo #PFGD100; DB #760-1
Lavatory Faucet	T&S #B-2990-WH4; Symmons #S-244-LWG; Chicago #404-317ABCP; Delta #23C354
Single Bowl Kitchen Sink	Elkay #LR1722; Just #SL- 2217-A-GR; Franke #LBS730BP-1
Kitchen Sink Faucet	Kohler #K-15171; T&S #B-2731; Symmons #S-23; Chicago #2300-8ABCP; AS #4175.700; Delta #100LF-HDF
Basket Strainer (kitchen sink)	McGuire #151; Zurn #Z8740-PC; ProFlo #PF151ACP; DB #L78N
Kitchen Sink Trap	McGuire #8912C; Zurn #Z8702-9LC-PC-B; ProFlo #PFPTB403;
Mop Sink	Fiat #MSB-2424; Swanstone #MS-2424; Zurn #Z- 1996-24; Florestone #MSR-2424; ProFlo #PFMB2424S
Mop/Utility Sink Faucet	Kohler #K- 830T40-4A; T&S #B-0665-BSTR; AS #8344.012; Chicago #897-CP; Delta #28T9
ADA Bi-Level Water Cooler	Oasis #PG8EBFSL; Elkay #EZSTL8WSLK; HT #HTHB-HAC8BLVP-NF
Floor Sink	JRS; Josam; Zurn; Sioux Chief
Floor Drain	JRS; Josam; Zurn; Sioux Chief
Wall Hydrant	JRS #5509QT; Woodford #B67; Josam #71000; Zurn #Z- 1320
Expansion Tank	*Amtrol #ST; ProFlo #PFXT; Rheem #RRT
Recirculation Pump	Armstrong Astro 220SSU; Grundfos #UPS 15-35 SFC; Taco #003-SC4-1
Mixing Valve*	Symmons; Lawler; Watts; Leonard
Water Heater*	Rheem; A O Smith; Lochinvar; Raypak; Bradford White
	* Type, size, & electical requirments 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-Dearborn Brass

1 PLUMBING EQUALS SCHEDULE
NO SCALE

STATE OF ALABAMA LICENSED NO. 22530 PROFESSIONAL ENGINEER FRANK STECULA
11/16/26 *26-037R

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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY139, MAPLESVILLE, ALABAMA 36750

BID SET

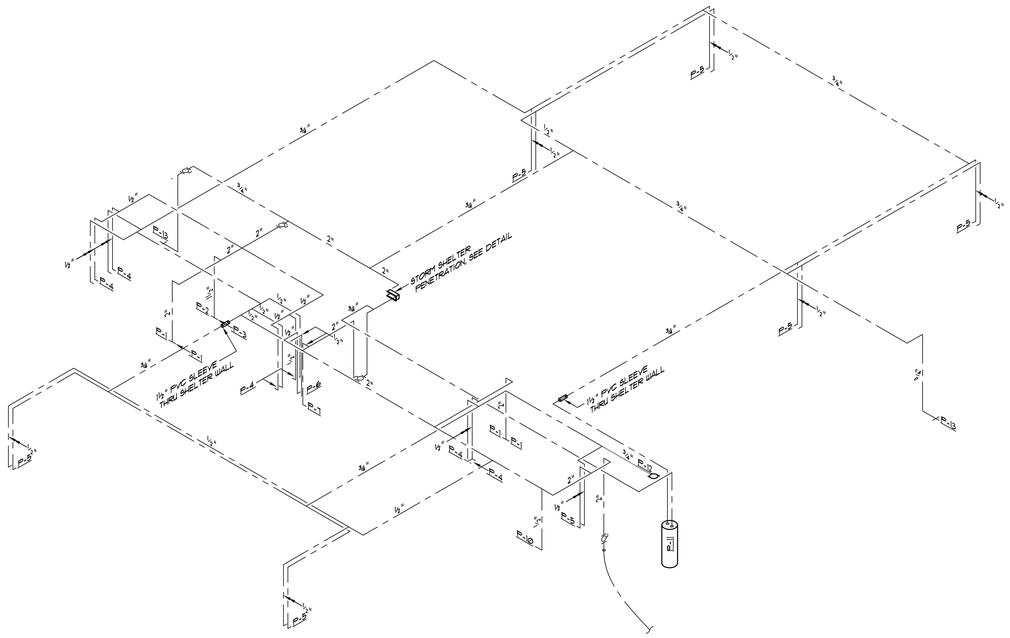
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PROJ NO: 26-037

REVISIONS

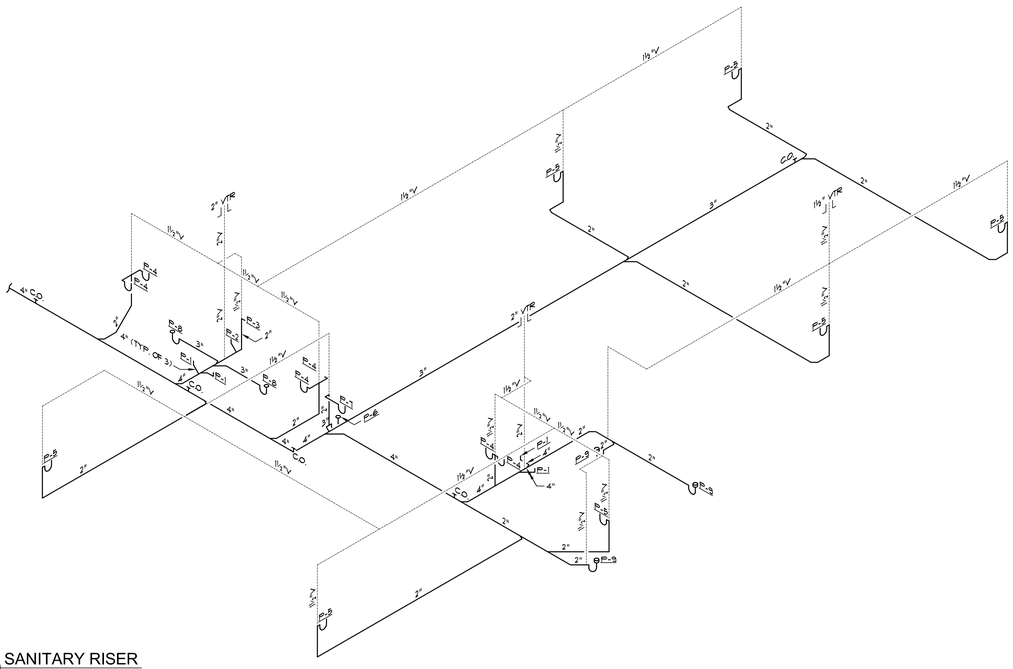
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PLUMBING DETAILS, DIAGRAMS, & SCHEDULES

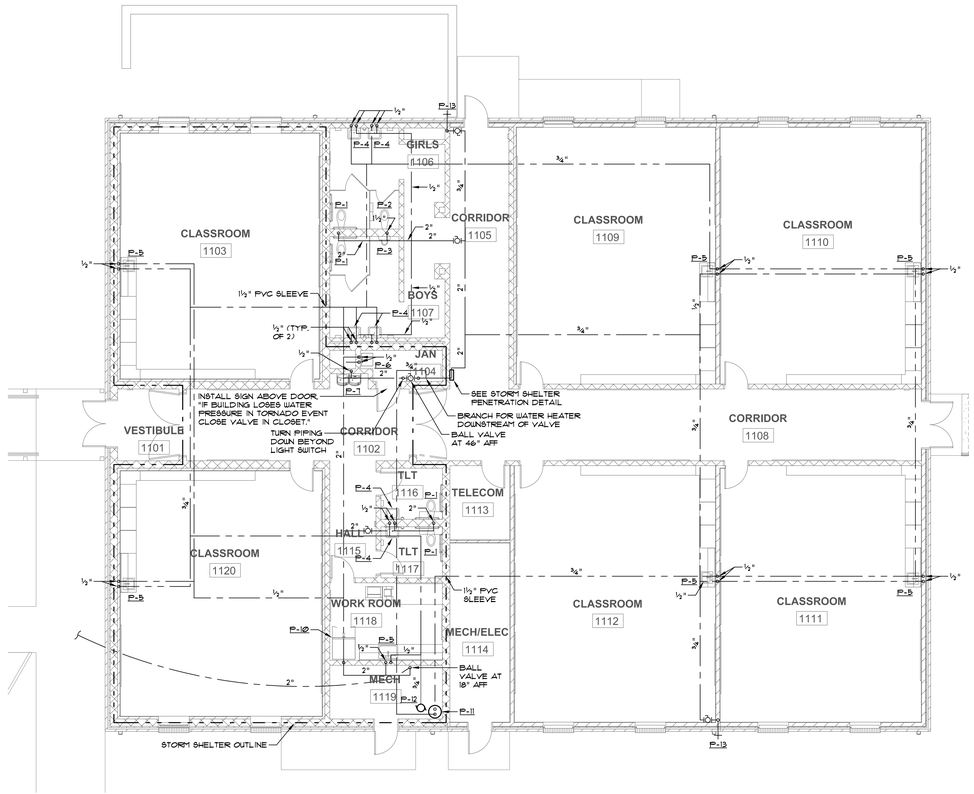
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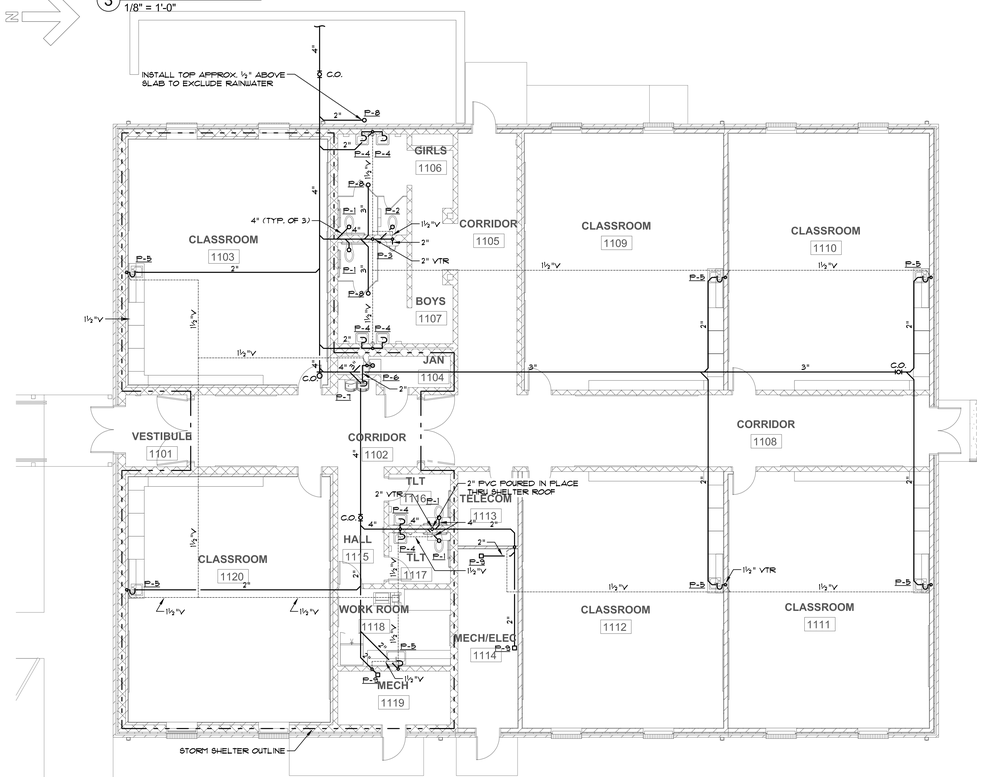
4 PRESSURE RISER
NOT TO SCALE



2 SANITARY RISER
NOT TO SCALE



3 PRESSURE PLAN
1/8" = 1'-0"



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

PLAN SCALE
0' 8' 32'
4' 16'

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BID SET

DATE: 11/16/26
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REVISIONS

#	DESC	DATE

PLUMBING PLAN

P101

Space Name	Usage Category	Vent Type	Air Distribution Configuration	System	A_z	Nat Vent	Net Area	Vpz	# fixtures	# Heads	# OF BEDROOMS	BPI	IAQ Value	Density	Uncorrect Zone Population (People)	P_z	R_P	R_A	Ex. Rate	Exhaust	V_{BZ}	E_Z	V_{OZ}	Z_P	Min [Voz,IAQ]
	From IMC 2015 Table 403.3.1.1	Natural , Mechanical, or Mixed	From IMC 2015 Table 403.3.1.1.1.2		Zone floor area (ft^2)	Natural Ventilation opening area (ft^2)	Zone floor area minus natural vent area (ft^2)	Zone primary airflow rate (cfm)	Including water closets and urinals if applicable	number of Shower Heads	(Dwelling units only)	INCLUDED? (YES OR NO)	See GPS calculations	(people per ft^2)	(People)	Corrected Zone population (people) - Mixed, Natural Only	People outdoor air rate (cfm per person)	Area outdoor air rate (cfm per ft^2)	(cfm per unit)	(cfm)	Breathing zone outdoor airflow rate (cfm)	Zone air distribution effectiveness (unitless)	Zone outdoor airflow rate (cfm)	Primary outdoor air fraction (unitless)	(cfm)
Classroom 1103	Classrooms (ages 9+)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#1	832	0	832	700				YES	150	0.035	30	30	10	0.12	-	-	400	1.0	400	0.21	150
Corridor 1102 & Vestibule 1101	Corridors	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#1	359	0	359	65				YES		-	-	-	-	0.06	-	-	22	1.0	22	0.34	22
Classroom 1120	Classrooms (ages 9+)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#2	843	0	843	660				YES	150	0.035	30	30	10	0.12	-	-	401	1.0	401	0.23	150
Hall 1115	Corridors	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#1	92	0	92	35				YES		-	-	-	-	0.06	-	-	6	1.0	6	0.17	6
TLT 1116	Toilet Rooms - public (Heavy Use)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#2	54	0	54	20	1	0		YES		-	-	-	-	-	70	70	0	1.0	0	0.00	0
TLT 1117	Toilet Rooms - public (Heavy Use)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#2	54	0	54	20	1	0		YES		-	-	-	-	-	70	70	0	1.0	0	0.00	0
Work Room 1118	Office Spaces	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#2	132	0	132	100				YES	5	0.005	1	1	5	0.06	-	-	13	1.0	13	0.05	5
Boys 1107	Toilet Rooms - public (Heavy Use)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#3	178	0	178	25	2	0		YES		-	-	-	-	-	70	140	0	1.0	0	0.00	0
Girls 1106	Toilet Rooms - public (Heavy Use)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#3	176	0	176	40	2	0		YES		-	-	-	-	-	70	140	0	1.0	0	0.00	0
Corridor 1105	Corridors	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#3	299	0	299	75				YES		-	-	-	-	0.06	-	-	18	1.0	18	0.24	18
Classroom 1109	Classrooms (ages 9+)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#3	869	0	869	660				YES	155	0.035	31	31	10	0.12	-	-	414	1.0	414	0.23	155
Corridor 1108	Corridors	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#5	616	0	616	130				YES		-	-	-	-	0.06	-	-	37	1.0	37	0.28	37
Classroom 1112	Classrooms (ages 9+)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#5	877	0	877	800				YES	155	0.035	31	31	10	0.12	-	-	415	1.0	415	-	155
Classroom 1111	Classrooms (ages 9+)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#5	868	0	868	670				YES	155	0.035	31	31	10	0.12	-	-	414	1.0	414	0.23	155
Classroom 1110	Classrooms (ages 9+)	Mechanical	Ceiling supply of warm air less than 15F above space temp. and ceiling return	FCU#4	880	0	880	800				YES	155	0.035	31	31	10	0.12	-	-	416	1.0	416	-	155

System	Type	V_{OU} Uncorrected outdoor air intake flow rate (cfm)	Vps System primary airflow (cfm)	E_V System ventilation efficiency (unitless)	V_{OT} Outdoor air intake flow rate (cfm)
FCU#1	Multiple Zone	178	800	0.88	202
FCU#2	Multiple Zone	155	800	0.96	161
FCU#3	Multiple Zone	173	800	0.98	177
FCU#4	Single Zone	155	800	-	155
FCU#5	Multiple Zone	192	800	0.96	200
FCU#6	Multiple Zone	155	800	-	155

15 VENTILATION SCHEDULE
NO SCALE

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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION FOR THE CHILTON COUNTY BOARD OF EDUCATION

1256 ALABAMA HIGHWAY139, MAPLESVILLE, ALABAMA 36750

Global Plasma Solutions
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Email: info@globalplasmasolutions.com Web: www.globalplasmasolutions.com
VERSION 1.6 running ASHRAE 62.1-2013

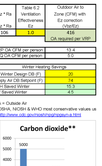
Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 OA/Area Ra	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness Ev	Outdoor Air to Zone (CFM) with Ez correction (Voz/Ez)
Classroom 1110	Educational Facilities	Classrooms (ages 9+)	880.0	31.0	10.0	0.12	310	106	1.0	416
										OA required per VRP

Zone Height (feet)	10.0		
Desired Outside Air (cfm) (AQP)	400		
Supply Air (cfm)	800		
Return Air (cfm)	640		
Recirc. Flow Factor (R)	0.81		
Ventilation Effectiveness (Ez)	1.0		
Level of Physical Activity	Standing (desk work)		
Filter Location	Return		
HVAC Flow Type	Constant		
Outdoor Air Flow Type	Constant		

Air Changes Per Hour	4.5	VRP OA CFM per person	12.4
Outside Air Per VRP	410 CFM	ASHRAE OA per person	8.0
Outside Air Per IAQ	100 CFM		
Outside Air Savings	310 CFM	Winter Heating Savings	
OA Summer Outputs	38.0	OA Winter Design OB (F)	20
OA Summer Wetbulb	78.0	Supply Air DB Setpoint (F)	74
Coil Leaving Air (Outputs) F	58.0	MSH Saved Winter	10.3
Coil Leaving Air (Wetbulb) F	57.0	MV Saved Winter	4.5
OA MSH Saved Summer	2.1		
OA Tons Saved Summer	1.1		

Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VRP (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration	Cognizant Effectiveness Authority**
Acetaldehyde	100.0	0.01110	0.00555	Yes	0.00555	50%	OSHA
Acetone	250.0	0.00775	0.00363	Yes	0.00454	50%	NIOSH
Ammonia	25.00	0.01775	0.01465	Yes	0.01460	50%	NIOSH
Benzene	1.0000	0.00050	0.00042	Yes	0.00038	50%	OSHA
d- Butanone (MEK)	200.0	0.00020	0.00012	Yes	0.00133	50%	NIOSH
Carbon dioxide**	5000	1200	1197	Yes	2702	0%	OSHA
Chloroform	2.0000	0.00011	0.00000	Yes	0.00004	50%	NIOSH
Cresene	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.66084	1.66084	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00078	0.00078	Yes	0.00000	0%	OSHA
Propane	1000.0	0.00988	0.00988	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Toluene	100.0000	0.00033	0.00033	Yes	0.00000	50%	NIOSH
1,1,1 - Trichloroethane	350.0000	0.00018	0.00018	Yes	0.00000	50%	NIOSH
Xylene	100.0000	0.00030	0.00030	Yes	0.00000	50%	OSHA

Carbon dioxide**



1 = ASHRAE & NIOSH CO2 Limit
2 = CO2 Level at Ventilation Rate OA Flow Rate
3 = CO2 Level at IAQ Procedure OA Flow Rate
**Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submarines.

Building materials and furnishings assumed to have no VOCs and off-gassing is complete	Is HVU acceptable at reduced outside air levels?
All yellow shaded boxes require user input or review	Yes

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IMC 2006 & later allows for ASHRAE 62 IAQP through the engineered exception found in Section 403.2
Exhaust flow rates may differ from Table 6.5 based on ASHRAE 62 IAQP via Section 6.5.2

Date	9/20/2006
Lab Name	Maplesville HS Classroom Addition
Representative	
Operator	SGA
Contractor	

14 CLASSROOM 1110 GPS CALCS
NO SCALE

Global Plasma Solutions
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Savannah, GA 31406
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Email: info@globalplasmasolutions.com Web: www.globalplasmasolutions.com
VERSION 1.6 running ASHRAE 62.1-2013

Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 OA/Area Ra	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness Ev	Outdoor Air to Zone (CFM) with Ez correction (Voz/Ez)
Classroom 1120	Educational Facilities	Classrooms (ages 9+)	844.0	30.0	10.0	0.12	300	101	1.0	401
										OA required per VRP

Zone Height (feet)	10.0		
Desired Outside Air (cfm) (AQP)	400		
Supply Air (cfm)	800		
Return Air (cfm)	640		
Recirc. Flow Factor (R)	0.77		
Ventilation Effectiveness (Ez)	1.0		
Level of Physical Activity	Standing (desk work)		
Filter Location	Return		
HVAC Flow Type	Constant		
Outdoor Air Flow Type	Constant		

Air Changes Per Hour	4.7	VRP OA CFM per person	13.4
Outside Air Per VRP	401 CFM	ASHRAE OA per person	8.0
Outside Air Per IAQ	100 CFM		
Outside Air Savings	301 CFM	Winter Heating Savings	
OA Summer Outputs	38.0	OA Winter Design OB (F)	20
OA Summer Wetbulb	78.0	Supply Air DB Setpoint (F)	74
Coil Leaving Air (Outputs) F	58.0	MSH Saved Winter	10.3
Coil Leaving Air (Wetbulb) F	57.0	MV Saved Winter	4.5
OA MSH Saved Summer	2.1		
OA Tons Saved Summer	1.1		

Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VRP (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration	Cognizant Effectiveness Authority**
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Acetone	250.0	0.00775	0.00363	Yes	0.00454	50%	NIOSH
Ammonia	25.00	0.01775	0.01465	Yes	0.01460	50%	NIOSH
Benzene	1.0000	0.00050	0.00042	Yes	0.00038	50%	OSHA
d- Butanone (MEK)	200.0	0.00020	0.00012	Yes	0.00133	50%	NIOSH
Carbon dioxide**	5000	1200	1197	Yes	2702	0%	OSHA
Chloroform	2.0000	0.00011	0.00000	Yes	0.00004	50%	NIOSH
Cresene	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.66084	1.66084	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00078	0.00078	Yes	0.00000	0%	OSHA
Propane	1000.0	0.00988	0.00988	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Toluene	100.0000	0.00033	0.00033	Yes	0.00000	50%	NIOSH
1,1,1 - Trichloroethane	350.0000	0.00018	0.00018	Yes	0.00000	50%	NIOSH
Xylene	100.0000	0.00030	0.00030	Yes	0.00000	50%	OSHA

Carbon dioxide**



1 = ASHRAE & NIOSH CO2 Limit
2 = CO2 Level at Ventilation Rate OA Flow Rate
3 = CO2 Level at IAQ Procedure OA Flow Rate
**Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submarines.

Building materials and furnishings assumed to have no VOCs and off-gassing is complete	Is HVU acceptable at reduced outside air levels?
All yellow shaded boxes require user input or review	Yes

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IMC 2006 & later allows for ASHRAE 62 IAQP through the engineered exception found in Section 403.2
Exhaust flow rates may differ from Table 6.5 based on ASHRAE 62 IAQP via Section 6.5.2

Date	9/20/2006
Lab Name	Maplesville HS Classroom Addition
Representative	
Operator	SGA
Contractor	

11 CLASSROOM 1120 GPS CALCS
NO SCALE

Global Plasma Solutions
10 Mell Terrace, Building C
Savannah, GA 31406
Phone: (912) 356-0115 Fax: (912) 356-0114
Email: info@globalplasmasolutions.com Web: www.globalplasmasolutions.com
VERSION 1.6 running ASHRAE 62.1-2013

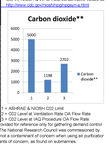
Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 OA/Area Ra	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness Ev	Outdoor Air to Zone (CFM) with Ez correction (Voz/Ez)
Classroom 1109	Educational Facilities	Classrooms (ages 9+)	868.0	31.0	10.0	0.12	310	104	1.0	414
										OA required per VRP

Zone Height (feet)	10.0		
Desired Outside Air (cfm) (AQP)	400		
Supply Air (cfm)	800		
Return Air (cfm)	640		
Recirc. Flow Factor (R)	0.81		
Ventilation Effectiveness (Ez)	1.0		
Level of Physical Activity	Standing (desk work)		
Filter Location	Return		
HVAC Flow Type	Constant		
Outdoor Air Flow Type	Constant		

Air Changes Per Hour	4.6	VRP OA CFM per person	12.9
Outside Air Per VRP	410 CFM	ASHRAE OA per person	8.0
Outside Air Per IAQ	100 CFM		
Outside Air Savings	310 CFM	Winter Heating Savings	
OA Summer Outputs	38.0	OA Winter Design OB (F)	20
OA Summer Wetbulb	78.0	Supply Air DB Setpoint (F)	74
Coil Leaving Air (Outputs) F	58.0	MSH Saved Winter	10.3
Coil Leaving Air (Wetbulb) F	57.0	MV Saved Winter	4.5
OA MSH Saved Summer	2.1		
OA Tons Saved Summer	1.1		

Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VRP (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration	Cognizant Effectiveness Authority**
Acetaldehyde	100.0	0.01110	0.00555	Yes	0.00555	50%	OSHA
Acetone	250.0	0.00775	0.00363	Yes	0.00454	50%	NIOSH
Ammonia	25.00	0.01775	0.01465	Yes	0.01460	50%	NIOSH
Benzene	1.0000	0.00050	0.00042	Yes	0.00038	50%	OSHA
d- Butanone (MEK)	200.0	0.00020	0.00012	Yes	0.00133	50%	NIOSH
Carbon dioxide**	5000	1200	1197	Yes	2702	0%	OSHA
Chloroform	2.0000	0.00011	0.00000	Yes	0.00004	50%	NIOSH
Cresene	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.66084	1.66084	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00078	0.00078	Yes	0.00000	0%	OSHA
Propane	1000.0	0.00988	0.00988	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Toluene	100.0000	0.00033	0.00033	Yes	0.00000	50%	NIOSH
1,1,1 - Trichloroethane	350.0000	0.00018	0.00018	Yes	0.00000	50%	NIOSH
Xylene	100.0000	0.00030	0.00030	Yes	0.00000	50%	OSHA

Carbon dioxide**



1 = ASHRAE & NIOSH CO2 Limit
2 = CO2 Level at Ventilation Rate OA Flow Rate
3 = CO2 Level at IAQ Procedure OA Flow Rate
**Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submarines.

Building materials and furnishings assumed to have no VOCs and off-gassing is complete	Is HVU acceptable at reduced outside air levels?
All yellow shaded boxes require user input or review	Yes

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IMC 2006 & later allows for ASHRAE 62 IAQP through the engineered exception found in Section 403.2
Exhaust flow rates may differ from Table 6.5 based on ASHRAE 62 IAQP via Section 6.5.2

Date	9/20/2006
Lab Name	Maplesville HS Classroom Addition
Representative	
Operator	SGA
Contractor	

13 CLASSROOM 1109 GPS CALCS
NO SCALE

Global Plasma Solutions
10 Mell Terrace, Building C
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VERSION 1.6 running ASHRAE 62.1-2013

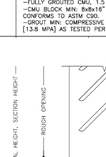
Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 OA/Area Ra	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness Ev	Outdoor Air to Zone (CFM) with Ez correction (Voz/Ez)
Classroom 1112	Educational Facilities	Classrooms (ages 9+)	877.0	31.0	10.0	0.12	310	105	1.0	415
										OA required per VRP

Zone Height (feet)	10.0		
Desired Outside Air (cfm) (AQP)	400		
Supply Air (cfm)	800		
Return Air (cfm)	640		
Recirc. Flow Factor (R)	0.81		
Ventilation Effectiveness (Ez)	1.0		
Level of Physical Activity	Standing (desk work)		
Filter Location	Return		
HVAC Flow Type	Constant		
Outdoor Air Flow Type	Constant		

Air Changes Per Hour	4.5	VRP OA CFM per person	12.9
Outside Air Per VRP	410 CFM	ASHRAE OA per person	8.0
Outside Air Per IAQ	100 CFM		
Outside Air Savings	310 CFM	Winter Heating Savings	
OA Summer Outputs	38.0	OA Winter Design OB (F)	20
OA Summer Wetbulb	78.0	Supply Air DB Setpoint (F)	74
Coil Leaving Air (Outputs) F	58.0	MSH Saved Winter	10.3
Coil Leaving Air (Wetbulb) F	57.0	MV Saved Winter	4.5
OA MSH Saved Summer	2.1		
OA Tons Saved Summer	1.1		

Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VRP (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration	Cognizant Effectiveness Authority**
Acetaldehyde	100.0	0.01110	0.00555	Yes	0.00555	50%	OSHA
Acetone	250.0	0.00775	0.00363	Yes	0.00454	50%	NIOSH
Ammonia	25.00	0.01775	0.01465	Yes	0.01460	50%	NIOSH
Benzene	1.0000	0.00050	0.00042	Yes	0.00038	50%	OSHA
d- Butanone (MEK)	200.0	0.00020	0.00012	Yes	0.00133	50%	NIOSH
Carbon dioxide**	5000	1198	1197	Yes	2702	0%	OSHA
Chloroform	2.0000	0.00011	0.00000	Yes	0.00004	50%	NIOSH
Cresene	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.66084	1.66084	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00078	0.00078	Yes	0.00000	0%	OSHA
Propane	1000.0	0.00988	0.00988	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Toluene	100.0000	0.00033	0.00033	Yes	0.00000	50%	NIOSH
1,1,1 - Trichloroethane	350.0000	0.00018	0.00018	Yes	0.00000	50%	NIOSH
Xylene	100.0000	0.00030	0.00030	Yes	0.00000	50%	OSHA

Carbon dioxide**



1 = ASHRAE & NIOSH CO2 Limit
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**Carbon dioxide has been provided for reference only for gathering demand control ventilation (DCV) setpoints. The National Research Council was commissioned by the US Navy to prove CO2 is not a contaminant of concern when using air purification to control the other contaminants of concern, as found on submarines.

Building materials and furnishings assumed to have no VOCs and off-gassing is complete	Is HVU acceptable at reduced outside air levels?
All yellow shaded boxes require user input or review	Yes

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Exhaust flow rates may differ from Table 6.5 based on ASHRAE 62 IAQP via Section 6.5.2

Date	9/20/2006
Lab Name	Maplesville HS Classroom Addition
Representative	
Operator	SGA
Contractor	

10 CLASSROOM 1112 GPS CALCS
NO SCALE

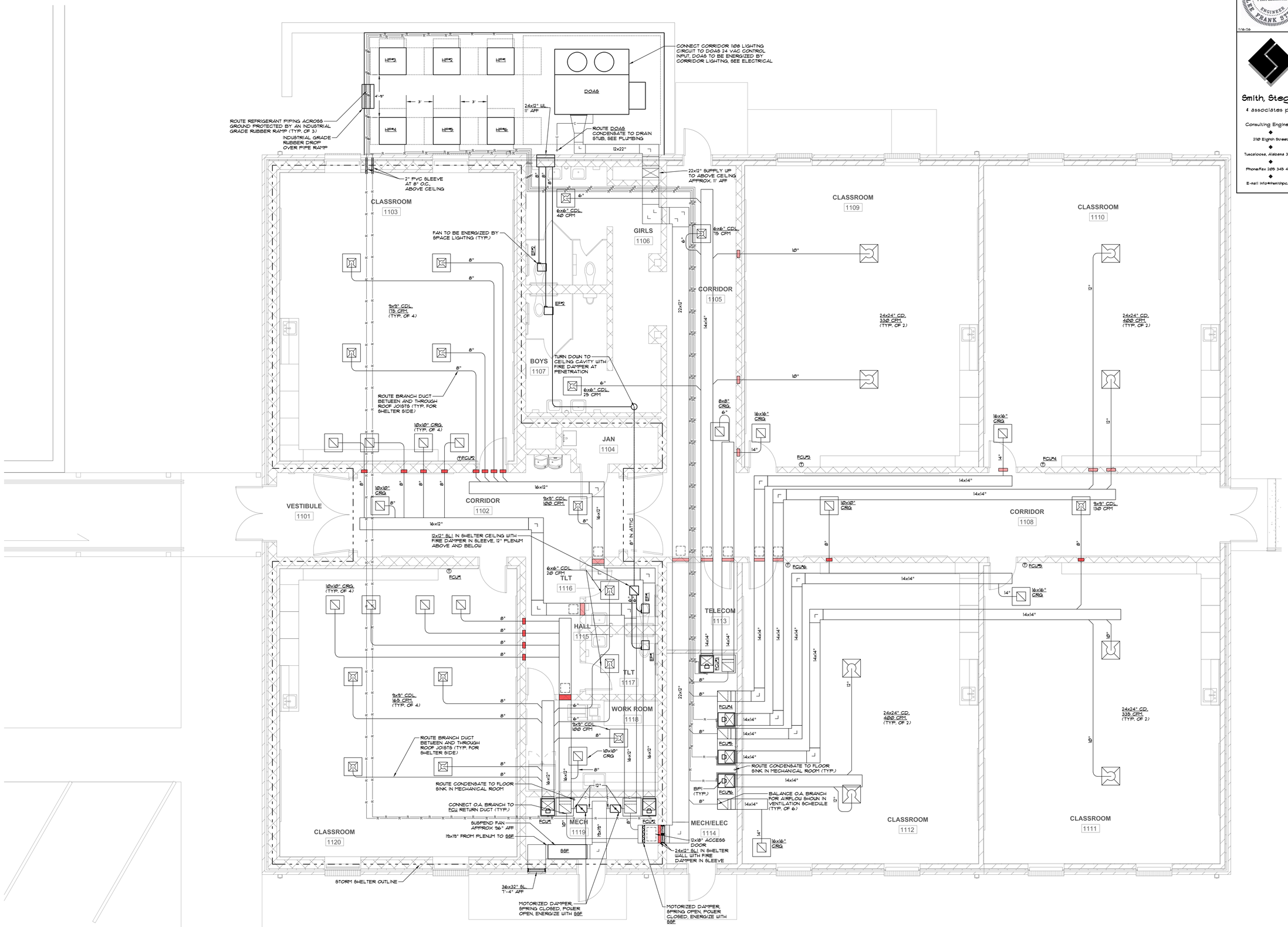
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Zone Tag	Facility Type	Zone Use	Zone Floor Area (square ft)	Zone Max Occupancy Pz	Table 6.1 OA per Occupant Rp	Table 6.1 OA/Area Ra	Pz * Rp	Az * Ra	Table 6.2 Ventilation Effectiveness Ev	Outdoor Air to Zone (CFM) with Ez correction (Voz/Ez)
Classroom 1103	Educational Facilities	Classrooms (ages 9+)	832.0	30.0	10.0	0.12	300	100	1.0	400
										OA required per VRP

Zone Height (feet)	10.0		
Desired Outside Air (cfm) (AQP)	400		
Supply Air (cfm)	800		
Return Air (cfm)	640		
Recirc. Flow Factor (R)	0.81		
Ventilation Effectiveness (Ez)	1.0		
Level of Physical Activity	Standing (desk work)		
Filter Location	Return		
HVAC Flow Type	Constant		
Outdoor Air Flow Type	Constant		

Air Changes Per Hour	4.8	VRP OA CFM per person	12.9
Outside Air Per VRP	410 CFM	ASHRAE OA per person	8.0
Outside Air Per IAQ	100 CFM		
Outside Air Savings	310 CFM	Winter Heating Savings	
OA Summer Outputs	38.0	OA Winter Design OB (F)	20
OA Summer Wetbulb	78.0	Supply Air DB Setpoint (F)	74
Coil Leaving Air (Outputs) F	58.0	MSH Saved Winter	10.3
Coil Leaving Air (Wetbulb) F	57.0	MV Saved Winter	4.5
OA MSH Saved Summer	2.1		
OA Tons Saved Summer	1.1		

Indoor Contaminants Generated By People & From Outdoors	Maximum Threshold Value (PPM)	Steady State Using the VRP (Prescribed OA) Plasma Off	Steady State Using the IAQ Method (Reduced OA) Plasma On	Is Steady State Level Acceptable at Reduced OA Levels?	Contaminant Generation Rate (PPM)	Filtration	Cognizant Effectiveness Authority**
Acetaldehyde	100.0	0.01110	0.00555	Yes	0.00555	50%	OSHA
Acetone	250.0	0.00775	0.00363	Yes	0.00454	50%	NIOSH
Ammonia	25.00	0.01775	0.01465	Yes	0.01460	50%	NIOSH
Benzene	1.0000	0.00050	0.00042	Yes	0.00038	50%	OSHA
d- Butanone (MEK)	200.0	0.00020	0.00012	Yes	0.00133	50%	NIOSH
Carbon dioxide**	5000	1200	1197	Yes	2702	0%	OSHA
Chloroform	2.0000	0.00011	0.00000	Yes	0.00004	50%	NIOSH
Cresene	100.0	0.00000	0.00000	Yes	0.00000	50%	OSHA
Hydrogen Sulfide	10.0	0.00000	0.00000	Yes	0.00000	50%	NIOSH
Methane	NA	1.66084	1.66084	Yes	0.00000	0%	NA
Methanol	200.0	0.00000	0.00000	Yes	0.00000	0%	NIOSH
Methylene Chloride	25.0	0.00078	0.00078	Yes	0.00000	0%	OSHA
Propane	1000.0	0.00988	0.00988	Yes	0.00000	0%	NIOSH
Tetrachloroethane	5.0000	0.00000	0.00000	Yes	0.00000	50%	OSHA
Tetrachloroethylene	100.0000	0.00000	0.00000	Yes	0.00000	50%



1 HVAC PLAN
1/4" = 1'-0"

STATE OF ALABAMA LICENSED No. 22530 PROFESSIONAL ENGINEER FRANK SPECIALTY

11/16/26 10/6/2026

Smith, Stegall & Associates p.c.
Consulting Engineers
2110 Eighth Street
Tuscaloosa, Alabama 35401
Phone/Fax 205 345 4402
E-mail info@smithpc.com

WARD|SCOTT|MORRIS
ARCHITECTURE
TUSCALOOSA | HUNTSVILLE
1606 PAUL W. BRYANT DRIVE TUSCALOOSA, ALABAMA 35401
www.wardscottmorris.com

MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY139, MAPLESVILLE, ALABAMA 36750

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

HVAC PLAN

M101

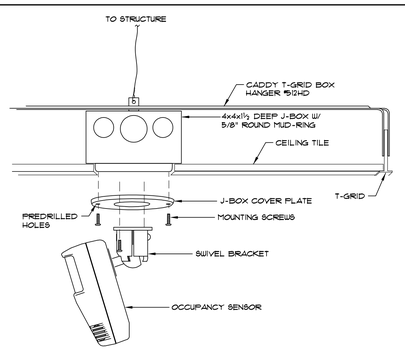
ELECTRICAL CONTRACTOR TO OBTAIN FAULT CURRENT AT SERVICE CONNECTION FROM SERVING UTILITY, CALCULATE AT SERVICE EQUIPMENT AND POST AS FOLLOWS:

MAXIMUM AVAILABLE FAULT CURRENT IS
XX,XXO AMPS
MONTH YEAR

→ 3x7" PHENOLIC NAMEPLATE, ⅜" LETTERS, WHITE WITH BLACK BACKGROUND ATTACHED TO SERVICE EQUIPMENT.

¼" RIVETS AT FOUR CORNERS

10 FAULT CURRENT NAMEPLATE DETAIL
NO SCALE



9 CEILING MOUNTED OCCUPANCY DETAIL
NOT TO SCALE

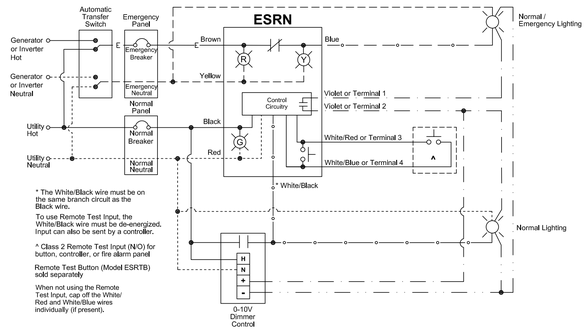
ABBREVIATIONS: AFF-ABOVE FINISHED FLOOR, CBB-COMMUNICATIONS BACKBOARD, NEC-NATIONAL ELECTRICAL CODE, RT-RAIN TIGHT, WAP-WIRELESS ACCESS POINT, WH-WATER HEATER, WP-WEATHERPROOF

- CEILING OUTLET, LUMINAIRE TYPE 'A1', CIRCUIT #, RELAY 'a' (TYPICAL)
- WALL OUTLET, LUMINAIRE
- CEILING OUTLET, LINEAR LUMINAIRE, MOUNTING AS PER 'LUMINAIRE SCHEDULE'
- CEILING OUTLET, CAN LUMINAIRE
- TROFFER, RECESS MOUNTED IN CEILING
- WALL OUTLET, EXIT LUMINAIRE
- CEILING OUTLET, EXIT LUMINAIRE
- 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, 2 HOUR ELECTRONIC TIMER SWITCH, 42" AFF, LEVITON #LTB02-IL OR EQUAL, ENGRAVED PLATE "EMERGENCY STORM SHELTER VENTILATION"
- WALL OUTLET, OCCUPANCY SENSOR, 46" AFF, SUBSCRIPT INDICATES CRESTRON NO. AS FOLLOWS: NO SUBSCRIPT - *GLA-DT-ULS-1 (DUAL TECHNOLOGY, SINGLE RELAY, ONE BUTTON), '3' - *GLA-DT-ULS-1 (DUAL TECHNOLOGY, SINGLE RELAY, ONE BUTTON, SWITCH LINK FOR MULTI-LOCATION), 'D' - *GLA-DT-ULS-DIM (DUAL TECHNOLOGY, SINGLE RELAY, 3 BUTTONS W/ Ø-10V DIMMING), '3D' - *GLA-DT-ULS-DIM (DUAL TECHNOLOGY, SINGLE RELAY, 3 BUTTONS W/ Ø-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 - *GLA-DT-ULS-1 (DUAL TECHNOLOGY, SINGLE RELAY, ONE BUTTON), '3' - *GLA-DT-ULS-1 (DUAL TECHNOLOGY, SINGLE RELAY, ONE BUTTON, SWITCH LINK FOR MULTI-LOCATION), 'D' - *GLA-DT-ULS-DIM (DUAL TECHNOLOGY, SINGLE RELAY, 3 BUTTONS W/ Ø-10V DIMMING), '3D' - *GLA-DT-ULS-DIM (DUAL TECHNOLOGY, SINGLE RELAY, 3 BUTTONS W/ Ø-10V DIMMING, SWITCH LINK FOR MULTI-LOCATION), PROGRAM FOR MANUAL 'ON' / AUTOMATIC 'OFF'
- WALL OUTLET, DIGITAL WALL SWITCH, 46" AFF, ¾" CONDUIT STUBBED TO ABOVE ACCESSIBLE CEILING, BUSHING ON CONDUIT END, SUBSCRIPT INDICATES #LIGHT NO. AS FOLLOWS: NO SUBSCRIPT - *RPODMA (SINGLE CHANNEL), '2' - *RPODMA-2P (DUAL CHANNEL), '4' - *RPODMA-4P (FOUR CHANNEL), 'D' - *RPODMA-DX (SINGLE CHANNEL W/ Ø-10V DIMMING), '8' - *RPODMA-(28/48) (SCENE SELECTOR), 'T' - *RPOD-TOUCH (TOUCH SCREEN W/ POWER SUPPLY)
- CEILING OUTLET, FLUSH MOUNT DIGITAL OCCUPANCY SENSOR, #LIGHT *CM-PDT-S-RJB (SMALL MOTION DUAL TECHNOLOGY)
- LIGHTING CONTROL SYSTEM POWER/RELAY PACK MOUNTED TO 4" SQ BOX ABOVE ACCESSIBLE CEILING, #LIGHT MODEL NO. AS FOLLOWS: *RPP16-EPP-SA (NON-DIMMING), *RPP16-DS-EPP-SA (DIMMING)
- WALL OUTLET, PHOTOCELL, TORK #1801, 96' AFF.
- CEILING OUTLET, PEDESTAL MOUNT DIGITAL OCCUPANCY SENSOR, #LIGHT *NUVPDT16-KIT (DUAL TECHNOLOGY).
- POWER CONTROL RELAY MOUNTED TO 4" SQ. BOX, SUBSCRIPT INDICATES FUNCTIONAL DEVICES NO. AS FOLLOWS: NO SUBSCRIPT - *RIB24120B (120A, SPST-N/O, 24VAC/DC/208-277VAC/120VAC COIL), '2' - *RIB0IP30 (30A, DPST, 120VAC COIL), '3' - *RIB0I3P (20A, 3PST-N/O, 120VAC COIL)
- UL924 EMERGENCY LIGHTING RELAY, FUNCTIONAL DEVICES #ESRN OR EQUAL
- WALL OUTLET, 20A DUPLEX TAMPER-RESISTANT RECEPTACLE, 18" AFF
- WALL OUTLET, 20A GROUND FAULT INTERRUPTER DUPLEX TAMPER-RESISTANT, RECEPTACLE, 18" AFF
- WALL OUTLET, 20A GROUND FAULT INTERRUPTER DUPLEX TAMPER-RESISTANT, WEATHER RESISTANT RECEPTACLE, 18" AFF, DAMP LOCATIONS TO HAVE STANDARD WP COVER, WET LOCATIONS TO HAVE "IN-USE" WP COVERS W/ EXTRA-DUTY HOODS
- SPECIAL HEIGHT WALL OUTLET, SEE ARCHITECTURAL DETAILS OR AS NOTED ON PLAN
- WALL OUTLET, 120/208V COMBINATION RECEPTACLE FOR COPIER, P45 #5890, 18" AFF
- HOME RUN #12-¾"C, #10-1"C, #6 CONDUCTORS (SOLID, TWN, PINK & VIOLET, 600V INSULATION) IN ADDITION TO POWER CONDUCTORS FOR Ø-10V DIMMING, ETC. AS PER N.E.C., EQUIPMENT GROUNDING CONDUCTOR TO BE PULLED IN ALL RACEWAYS IS NOT INDICATED BY A SLASH MARK, CONDUCTOR SIZES INDICATED ON PLAN SHALL BE CARRIED THROUGHOUT THE ENTIRE CIRCUIT
- BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
- BRANCH CIRCUIT CONCEALED IN OR UNDER FLOOR OR GRADE
- FLEXIBLE CONDUIT CONNECTION, SEAL-TITE ON EXTERIOR
- EMPTY CONDUIT W/PULL CORD
- EMERGENCY BRANCH CIRCUIT CONCEALED IN WALL OR CEILING
- CEILING J-BOX
- WALL J-BOX
- CONNECTION TO FRACTIONAL HP MOTOR
- LOCAL TOGGLE EQUIPMENT DISCONNECT SWITCH, SUBSCRIPT INDICATES SWITCH TYPE AS FOLLOWS: NO SUBSCRIPT - 20A SINGLE POLE, '30' - 30A SINGLE POLE, '2' - 20A 2-POLE, 'F' - 3 POLE EQUAL TO MITSUBISHI #TAZ-M33B3, LOCATIONS WITH CONCEALED CONDUIT TO BE FLUSH 2 GANG OUTLET WITH S.S. PLATE, OTHER LOCATIONS TO BE 4"X4" J-BOX WITH RAISED DEVICE COVER, LOCATE ADJACENT TO EQUIPMENT IN COMPLIANCE WITH N.E.C. AND LOCAL AUTHORITIES
- PANELBOARD
- NON-FUSED DISCONNECT SWITCH, TYPE HD
- INVERTER, 5.0 KW, 208V INPUT, 120/208V OUTPUT, NORMALLY ON OUTPUT BREAKERS OF 1-15/1 AND 1-15/2, 120 MIN. RUNTIME, 20 YEAR BATTERY WARRANTY, MULE LIGHTING #A-E-5-G-R120-BA15Ø1-EB15Ø1-21U OR EQUAL.
- WALL OUTLET, EMERGENCY SHUT OFF SWITCH, 46" AFF, SEE WATER HEATER WIRING DIAGRAM.
- CONNECTION TO HVAC CONTROL DAMPER

1 ELECTRICAL SYMBOLS
NO SCALE

- ALL HEIGHTS ARE CENTERLINE UNLESS NOTED OTHERWISE
- DEVICE AND FACEPLATE COLORS TO BE AS PER ARCHITECT
- INSTALL FIRESTOPPING IN ALL PENETRATIONS OF FIRE-RATED WALLS OR CEILINGS USING APPROVED FIRESTOPPING MATERIALS AND METHODS IN ORDER TO MAINTAIN FIRE-RATING INTEGRITY
- PROVIDE ARC-FLASH WARNING LABELS THAT COMPLY WITH NEC 110.16 ON ALL NEW ELECTRICAL EQUIPMENT AND ANY EXISTING ELECTRICAL EQUIPMENT THAT IS MODIFIED, SEE SPECIFICATION SECTION 260553 PART 2.1(A)(6) FOR ADDITIONAL INFORMATION.
- FOR PROJECTS UNDER THE JURISDICTION OF THE ALABAMA DIVISION OF CONSTRUCTION MANAGEMENT, ENGINEER REQUEST EXCEPTION TO THE REQUIREMENTS OF ASHRAE 90.1-2013, SECTION 8.4.2, AUTOMATIC RECEPTACLE CONTROL

13 GENERAL ELECTRICAL NOTES
NO SCALE



11 EMERGENCY LIGHTING RELAY WIRING DIAGRAM
NO SCALE

PANEL 'M'

DESCRIPTION: 120/208V, 3Φ, 4W, 400A, MLO, BOTTOM, SURFACE, 10K AIC, 25Ø KA INTEGRAL SPD, 2 EQUAL SECTIONS.

CIRCUIT DESCRIPTION	NO.	BRKR.	BRKR.	NO.	CIRCUIT DESCRIPTION
LIGHTING	1	20/1	20/1	2	RECEPTACLE - CR 112Ø - N
LIGHTING	3	20/1	20/1	4	RECEPTACLE - CR 112Ø - E
LIGHTING	5	20/1	20/1	6	RECEPTACLE - CR 112Ø - S
RECEPTACLE - CR 1109 - W	7	20/1	20/1	8	RECEPTACLE - CR 1103 - S
RECEPTACLE - CR 1109 - S	9	20/1	20/1	10	RECEPTACLE - CR 1103 - W
RECEPTACLE - CR 1109 - N	11	20/1	20/1	12	RECEPTACLE - CR 1103 - N
RECEPTACLE - CR 1110 - S	13	20/1	20/1	14	RECEPTACLE - CR 1112 - N
RECEPTACLE - CR 1110 - W	15	20/1	20/1	16	RECEPTACLE - CR 1112 - S
RECEPTACLE - CR 1110 - N	17	20/1	20/1	18	RECEPTACLE - CR 1112 - E
RECEPTACLE - CR 1111 - E	19	20/1	20/1	20	RECEPTACLE - VARIOUS
RECEPTACLE - CR 1111 - N	21	20/1	20/1 GFI	22	RECEPTACLE - WATERCOOLER
RECEPTACLE - CR 1111 - S	23	20/1	20/1 GFI	24	RECEPTACLE - WORK ROOM 1118
PHOTOCELL - EXTERIOR LIGHTING	25	20/1	20/1 GFI	26	RECEPTACLE - WORK ROOM 1118
RECEPTACLE - SERVICE	27	20/1	20/1	28	RECEPTACLE - TELECOM 1113
FIRE ALARM CIRCUIT	29	20/1 *	20/1	30	RECEPTACLE - TELECOM 1113
BI-DIRECTIONAL AMPLIFIER (BDA)	31	20/1	20/1	32	SPARE
SPARE	33	20/1	20/1	34	SPARE
SPARE	35	20/1	20/1	36	SPARE
SPARE	37	20/	20/1	38	SPARE
30/1 PROVISION	39			40	30/1 PROVISION
30/1 PROVISION	41			42	30/1 PROVISION
30/1 PROVISION	43			44	30/1 PROVISION
30/1 PROVISION	45			46	30/1 PROVISION
30/1 PROVISION	47		25/2	48	SPARE
INVERTER	49	30/2		50	
	51		20/2	52	SPARE
FCU 1	53	25/2		54	
	55		20/2	56	HP 1
FCU 2	57	25/2		58	
	59		20/2	60	HP 2
FCU 3	61	25/2		62	
	63		20/2	64	HP 3
FCU 4	65	25/2		66	
	67		20/2	68	HP 4
FCU 5	69	25/2		70	
	71		20/2	72	HP 5
FCU 6	73	25/2		74	
	75		20/2	76	HP 6
COPIER	77	20/2		78	
	79			80	100/3 PROVISION
WATER HEATER	81	30/2		82	
	83			84	
			150/3		SUBFEED BREAKER DOAS

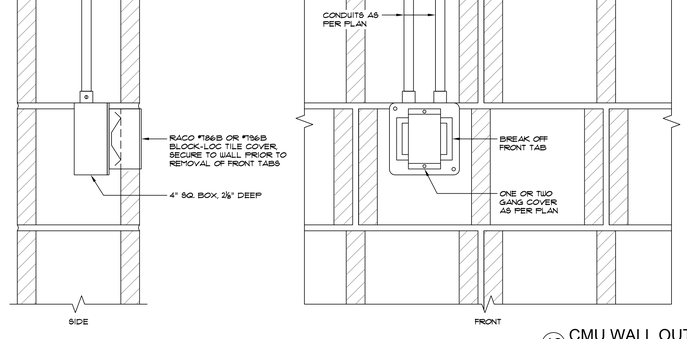
* INSTALL RED CIRCUIT BREAKER LOCK, SPACE AGE ELECTRONICS #LOCK-FA OR EQUAL

4 PANEL M SCHEDULE
NO SCALE

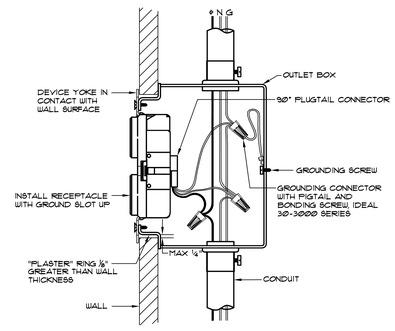
SYMBOL	MANUFACTURER	CATALOG NUMBER	WATTS	MOUNTING	REMARKS	ALTERNATES
C	LITELINE LIGHTING	GEN04-15-35-W-HU-S-N-X-N-1	15	RECESSED CEILING		COLUMBIA, LITHONIA
EE	MULE LIGHTING	MERU-LED-ACEM-***	17	SURFACE WALL	1, 2	DUAL-LITE, EMERGI-LITE
F2(E)	PARKER LIGHTING	PL(E)-22-25W-325DL-35K	25	RECESSED CEILING	(2)	COLUMBIA, LITHONIA
F4(E)	PARKER LIGHTING	PL(E)-24-32W-416DL-35K	32	RECESSED CEILING	(2)	COLUMBIA, LITHONIA
F4H	PARKER LIGHTING	PL-24-50W-650DL-35K	50	RECESSED CEILING		COLUMBIA, LITHONIA
G	LSI LIGHTING	XUM-3-LED-8L-40-UE-***-IM9BTI	64	SURFACE WALL	1, 3	COLUMBIA, LITHONIA
K	CGF DESIGN	E8D4-LED36-CT4-UNV-8FB-BLD/SD	36	SURFACE CEILING	3	ADVANTAGE, ECLIPSE
P	LITECONTROL LTG.	2L-DW-D-6X6 SQUARE-SOF-CI-35K-D030-DD01-IC-UNV	67	RECESSED CEILING		ASCENT, MARK
S4(E)	LSI LIGHTING	SDL4-LED-50L-FL-UNV-DIMI-35K-EM(D)	38	SURFACE CEILING	(2)	COLUMBIA, LITHONIA
V	WAC LIGHTING	WS-T1618-35Ø2K-***-16W	16	SURFACE WALL	1	EUROFASE, OXYGEN
X	MULE LIGHTING	RMX-U-G-W-EM-SD	3	SURFACE WALL/CLG. AS SHOWN	2, 4	DUAL-LITE, EMERGI-LITE
XA	MULE LIGHTING	RMX-U-G-W	3	SURFACE WALL/CLG. AS SHOWN	2, 4	DUAL-LITE, EMERGI-LITE

REMARKS:
1. FINISH AS PER ARCHITECT
2. EMERGENCY BATTERY BACKUP
3. INTEGRAL MOTION SENSOR, 15 MIN. DELAY, 50% DIM
4. ARROW(S) AND FACE(S) AS PER PLAN

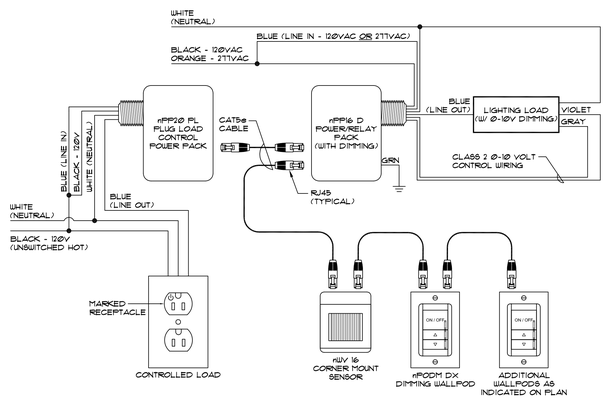
2 LUMINAIRE SCHEDULE
NO SCALE



12 CMU WALL OUTLET DETAIL
NOT TO SCALE

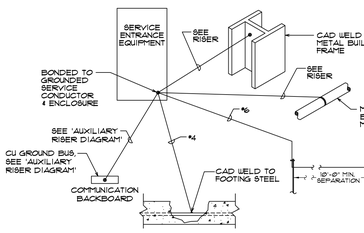


7 RECEPTACLE INSTALLATION DETAIL
NOT TO SCALE

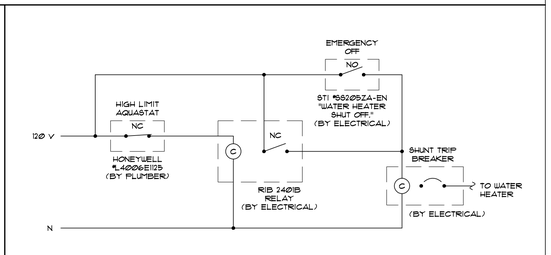


NOTES:
- LOBBIES, CORRIDORS, RESTROOMS AND STAIRS SHALL BE AUTOMATIC FULL 'ON'; ALL OTHER AREAS SHALL BE MANUAL 'ON'.
- THIS DIAGRAM REPRESENTS A TYPICAL #LIGHT STAND-ALONE, DIGITALLY-CONTROLLED, LOW VOLTAGE LIGHTING CONTROL SYSTEM WITH Ø-10V DIMMING CAPABILITIES AND PLUG LOAD CONTROL AND IS INTENDED TO SERVE AS AN EXAMPLE FOR WIRING INFORMATIONAL PURPOSES ONLY. ALL POWER / RELAY PACKS, SENSORS, AND CONTROLS SHALL BE AS INDICATED ON THE PLANS.

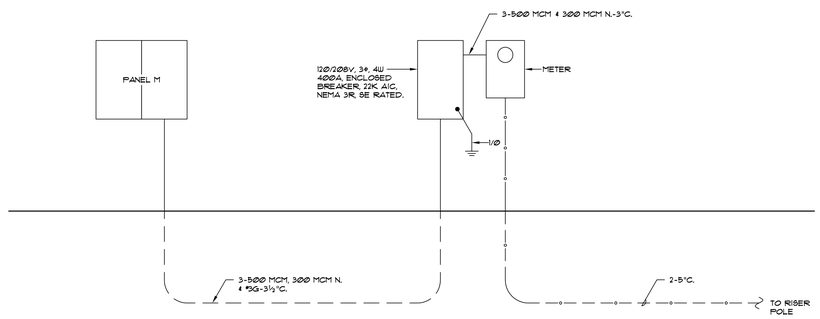
8 LOW VOLTAGE LIGHTING CONTROL WIRING DIAGRAM
NO SCALE



5 GROUNDING ELECTRODE SYSTEM DETAIL
NO SCALE



6 WATER HEATER WIRING DIAGRAM
NO SCALE



3 RISER DIAGRAM
NOT TO SCALE

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ALABAMA LICENSED PROFESSIONAL ENGINEER No. 18345 DONALD H. SMITH
11/16/26 (5)6/2018

MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY139, MAPLESVILLE, ALABAMA 36750

BID SET

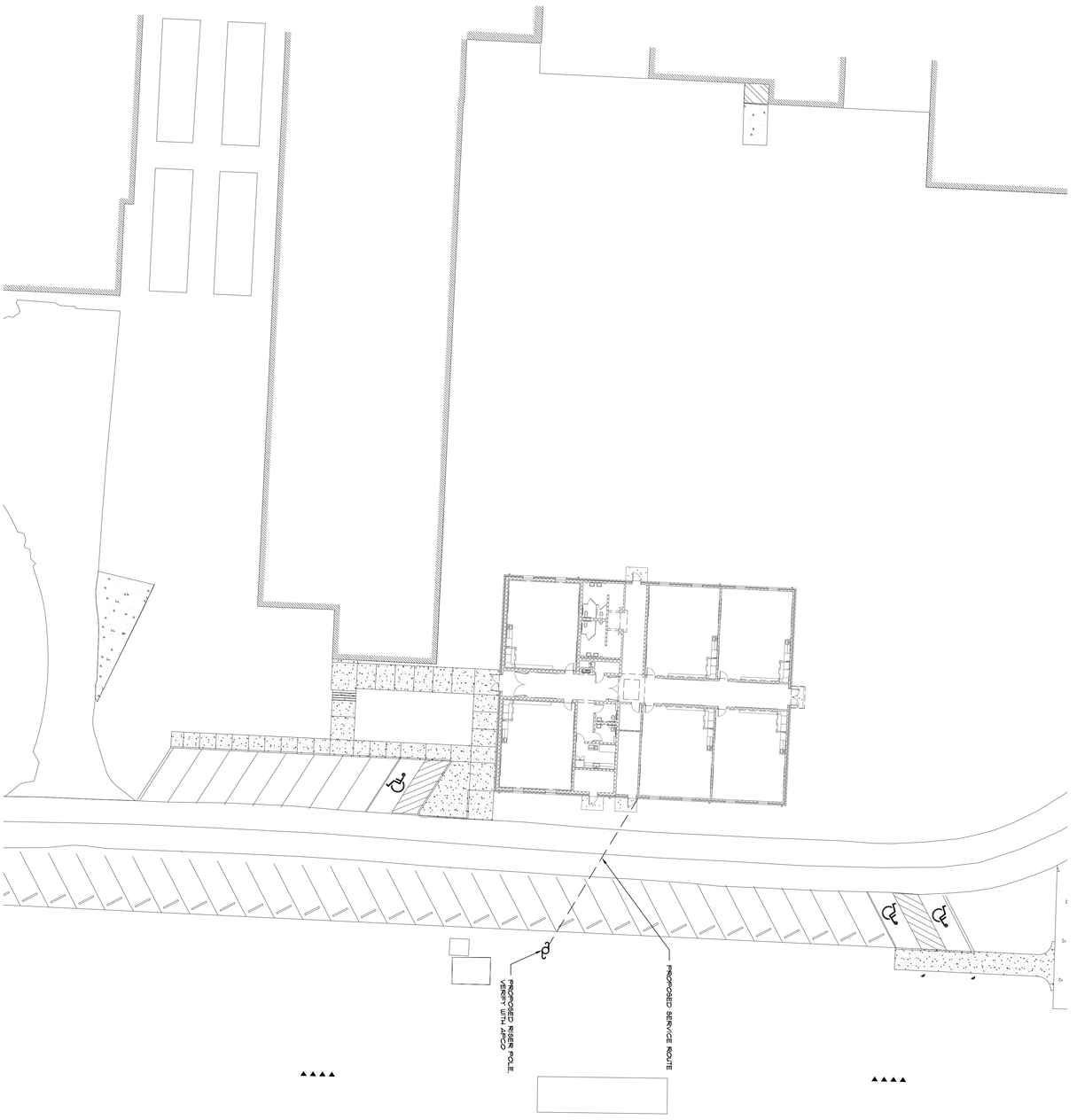
DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

ELECTRICAL SYMBOLS, DETAILS & SCHEDULES

E001



N

1 SITE ELECTRICAL PLAN
1"=20'-0"

Smith, Stegall & associates p.c.
Consulting Engineers
216 Eighth Street
Tuscaloosa, Alabama 35401
Phone/Fax 205 349 4401
E-mail: info@smithstegall.com

DATE: 11/16/26
PROJ NO: 26-037

BID SET

REVISIONS

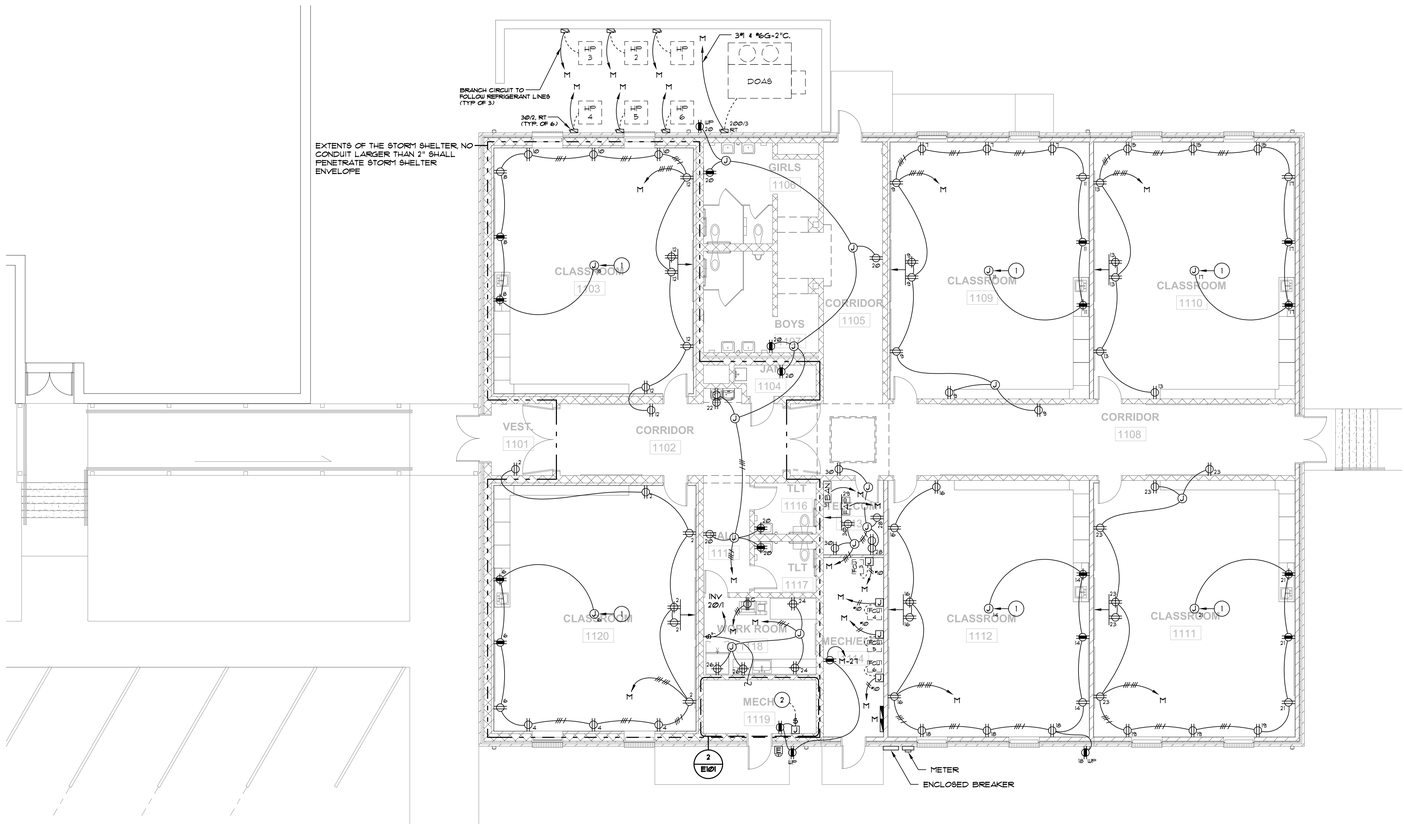
#	DESC	DATE

SITE ELECTRICAL PLAN

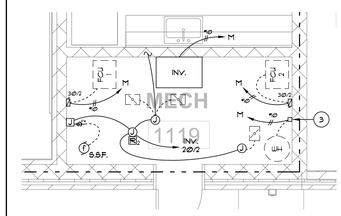
E100

MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
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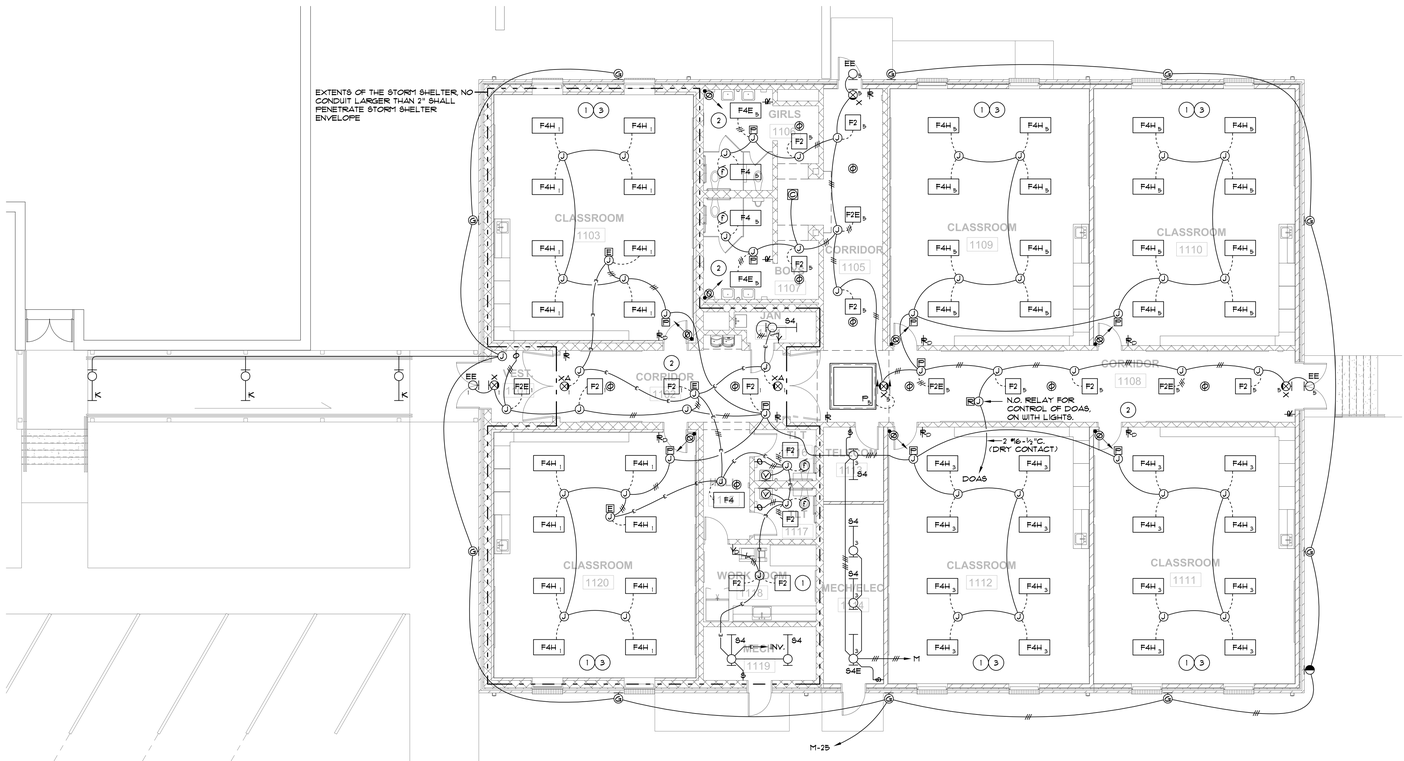
1 POWER WIRING PLAN
1/8" = 1'-0"



ENLARGED MECHANICAL ROOM POWER WIRING PLAN
2 1/4" = 1'-0"

1. FOR FUTURE AUDIO EQUIPMENT.
2. CONNECTION TO CIRCULATOR VIA AQUASTAT.
3. 30/2 SHUNT TRIP, 10K AIC, ENCLOSED BREAKER. SEE WATER HEATER WIRING DIAGRAM

REFERENCED NOTES



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

1. Ø-10V 18/2 CONTROL CABLE REQUIRED TO EACH DIMMED LUMINAIRE.
2. PROGRAM LIGHTING CONTROLS FOR 100% AUTOMATIC ON, AUTOMATIC OFF.
3. PROGRAM LIGHTING CONTROLS FOR MANUAL ON, AUTOMATIC OFF.

REFERENCED NOTES

ALABAMA LICENSED No. 18345 PROFESSIONAL ENGINEER PAUL W. SMITH
11/16/26 REGISTERED

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BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

#	DESC	DATE

ELECTRICAL PLANS

E101

ABBREVIATIONS: A/V - AUDIO / VISUAL, CBB - COMMUNICATIONS BACKBOARD, TER - TELECOM EQUIPMENT RACK, WAP - WIRELESS ACCESS POINT, WG - WIRE GUARD, WP - WEATHERPROOF

◁ WALL COMMUNICATION OUTLET, 18" AFF AND WITHIN 6" FROM POWER RECEPTACLE (IF ADJACENT), 4 ⅞" × 4 ⅞" × 2 ⅛" J-BOX WITH SINGLE GANG DEVICE COVER, SEE 'AUXILIARY CONDUIT DETAIL' FOR CONDUIT REQUIREMENTS, 'D' (DATA) SUBSCRIPT INDICATES DATA JACK, LEVITON #6110K-RL6 (BLUE), QUANTITY AS INDICATED, CAT6 CABLE (BLUE JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL. PROVIDE 6-PORT KEYSTONE FACEPLATE, COLOR AND MATERIAL TO MATCH RECEPTACLES. INSTALL BLANK KEYSTONES ON UNUSED PORTS. INSTALL BLANK FACEPLATES ON UNUSED COMMUNICATION OUTLETS

◀ WALL COMMUNICATION OUTLET, SPECIAL HEIGHT AS PER PLAN OR AS PER ADJACENT RECEPTACLE, CONDUIT, CABLING, AND JACKS SAME AS STANDARD WALL COMMUNICATION OUTLET

☑ CEILING COMMUNICATION OUTLET FOR WAP (UNLESS NOTED OTHERWISE).
- ACCESSIBLE CEILING LOCATIONS: 4 ⅞ × 4 ⅞ × 2 ⅛ J-BOX INSTALLED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE (J-BOX MUST BE ACCESSIBLE). INSTALL SINGLE GANG DECORA DEVICE COVER WITH LEVITON #416-42 (2-PORT) DEVICE INSERT (COLOR TO MATCH RECEPTACLES). SEE 'AUXILIARY CONDUIT DETAIL' FOR CONDUIT REQUIREMENTS, 'D' SUBSCRIPT INDICATES DATA JACK, LEVITON #6110K-RV6 (GREEN), QUANTITY AS INDICATED, CAT6 CABLE (GREEN JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL. INSTALL LEVITON 41084 (COLOR TO MATCH INSERT) BLANK KEYSTONES ON UNUSED PORTS
- HARD CEILING LOCATIONS: 4 ⅞ × 4 ⅞ × 2 ⅛ J-BOX WITH SINGLE GANG DEVICE COVER. SEE 'AUXILIARY CONDUIT DETAIL' FOR CONDUIT REQUIREMENTS, 'D' SUBSCRIPT INDICATES 'D' OF CAT6 CABLE (GREEN JACKET) AT LOCATION WITH RJ45 NETWORK CONNECTOR ON CABLE END, HOMERUN TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL

□x FUTURE CAMERA LOCATION, MOUNTING AS FOLLOWS: NO SUFFIX - CEILING, 'W' - WALL.
- ACCESSIBLE CEILING LOCATIONS: 4 ⅞ × 4 ⅞ × 2 ⅛ J-BOX INSTALLED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE (J-BOX MUST BE ACCESSIBLE). INSTALL SINGLE GANG DECORA DEVICE COVER WITH LEVITON #416-42 (2-PORT) DEVICE INSERT (COLOR TO MATCH RECEPTACLES). SEE 'AUXILIARY CONDUIT DETAIL' FOR CONDUIT REQUIREMENTS, 'D' SUBSCRIPT INDICATES DATA JACK, LEVITON #6110K-RO6 (ORANGE), QUANTITY AS INDICATED, CAT6 CABLE (ORANGE JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL. INSTALL LEVITON 41084 (COLOR TO MATCH INSERT) BLANK KEYSTONES ON UNUSED PORTS
- WALL MOUNTED AND HARD CEILING LOCATIONS: 4 ⅞ × 4 ⅞ × 2 ⅛ J-BOX WITH SINGLE GANG DEVICE COVER. SEE 'AUXILIARY CONDUIT DETAIL' FOR CONDUIT REQUIREMENTS, 'D' SUBSCRIPT INDICATES 'D' OF CAT6 CABLE (ORANGE JACKET) AT LOCATION WITH RJ45 NETWORK CONNECTOR ON CABLE END, HOMERUN TO RESPECTIVE TELECOM RACK WITH TERMINATION ON PATCH PANEL

◊ WALL AUDIO / VISUAL (A/V) OUTLET, 18" AFF AND WITHIN 6" FROM POWER RECEPTACLE OR WALL COMMUNICATION OUTLET (IF ADJACENT), 4 ⅞ × 4 ⅞ × 3 ⅛" J-BOX (RACO #862 OR EQUAL) SINGLE OR DOUBLE GANG DEVICE COVER AS REQUIRED, SUBSCRIPT INDICATES A/V OUTLET TYPE (NO SUBSCRIPT - INSTALL BLANK FACEPLATE), SEE 'AUDIO / VISUAL OUTLET DETAIL' FOR ADDITIONAL INFORMATION, 1 ½"C. PER GANG STUBBED TO ABOVE ACCESSIBLE CEILING, BUSHING ON CONDUIT END(S). SEE RESPECTIVE AV WIRING DIAGRAM FOR CABLING INFORMATION

◆ WALL AUDIO / VISUAL (A/V) OUTLET, SPECIAL HEIGHT AS PER PLAN OR AS PER ADJACENT RECEPTACLE, CONDUIT, DEVICE(S), AND CABLING SAME AS STANDARD WALL AUDIO / VISUAL OUTLET

❀ WALL OUTLET, INTERCOM CALL / PANIC BUTTON, WAH8EGA #IL-SPKR-RB-W, 46" AFF, INSTALL 16/2 CABLE TO PRIMARY ROOM SPEAKER

(S) 2'X2' IP LAY-IN INTERCOM SPEAKER, WAH8EGA #IL-SPKR-22-SIP, SUPPORT SPEAKER AT ALL FOUR (4) CORNERS INDEPENDENT OF CEILING GRID, CAT6 CABLE (GRAY JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON DEDICATED INTERCOM PATCH PANEL

(S) WALL MOUNTED SIP PAGING HORN, ALGO #1186, CAT6 CABLE (GRAY JACKET) TO RESPECTIVE TELECOM RACK WITH TERMINATION ON DEDICATED INTERCOM PATCH PANEL

CABLE SUPPORT SYSTEM ABOVE ACCESSIBLE CEILING, 12"W×3"D WIRE BASKET TRAY, COORDINATE WITH HVAC CONTRACTOR TO AVOID CONFLICTS

CR WALL OUTLET FOR ACCESS CONTROL SWITCHING DEVICE (DEVICE BY OTHERS), SEE 'ACCESS CONTROL DETAIL' FOR ADDITIONAL INFORMATION

FIRE ALARM SYMBOLS

FAP FIRE ALARM PANEL, SIMPLEX #4010ES, RED, SURFACE MOUNT

ANN REMOTE ANNUNCIATOR PANEL, SIMPLEX #4606-9202, RED, FLUSH MOUNT 54" AFF

DB FIRE ALARM DOCUMENT BOX, SPACE AGE ELECTRONICS #SBD2000S, SURFACE MOUNT, STORE PROJECT DOCUMENTS AS REQUIRED BY AUTHORITY HAVING JURISDICTION (AHJ)

CEILING OUTLET, SMOKE DETECTOR, SIMPLEX #4098-9714 W/ #4098-9792 BASE

CEILING OUTLET, HEAT DETECTOR, SIMPLEX #4098-9733 W/ #4098-9792 BASE

PULL STATION , SEMI-FLUSH, DOUBLE ACTION, ADDRESSABLE, SIMPLEX #4099-9006, WALL MOUNT AT 46" AFF

WALL OUTLET, AUDIBLE VISUAL NOTIFICATION APPLIANCE, SIMPLEX #55V-APPLW W/ #55VC-WALT COVER, SPEAKER, WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 1'-4" AFF, 15 CANDELA OR AS INDICATED BY SUBSCRIPT, ¼W OR AS INDICATED BY SUBSCRIPT

WALL OUTLET, VISUAL NOTIFICATION APPLIANCE, SIMPLEX #55V-WA, WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 1'-4" AFF, 15 CANDELA OR AS INDICATED BY SUBSCRIPT

CEILING OUTLET, AUDIBLE VISUAL NOTIFICATION APPLIANCE, SIMPLEX #55V-APPLC W/ #55VC-WALT COVER, SPEAKER, WHITE W/ CLEAR LENS AND RED 'ALERT' MARKING, SYNCHRONIZED FLASH, 15 CANDELA OR AS INDICATED BY SUBSCRIPT, ¼W OR AS INDICATED BY SUBSCRIPT

BDA IN-BUILDING 2-WAY EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEM, BI-DIRECTIONAL AMPLIFIER (BDA) SYSTEM TO BE MANUFACTURED BY FIPLEX OR APPROVED EQUAL, COORDINATE FREQUENCY REQUIREMENTS WITH THE AHJ, SYSTEM TO BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS

BAN BI-DIRECTIONAL AMPLIFIER (BDA) BATTERY BACKUP UNIT W/ BUILT-IN ANNUNCIATOR, UNIT TO BE MANUFACTURED BY FIPLEX OR APPROVED EQUAL, UNIT TO BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS

BI-DIRECTIONAL AMPLIFIER DONOR ANTENNA, ANTENNA TO BE MANUFACTURED BY FIPLEX OR EQUAL, COORDINATE FREQUENCY REQUIREMENTS WITH THE AHJ, CABLING TO BE INSTALLED IN 1½" CONDUIT BACK TO BDA

BI-DIRECTIONAL AMPLIFIER INDOOR DAS ANTENNA, ANTENNA TO BE MANUFACTURED BY FIPLEX OR APPROVED EQUAL, COORDINATE FREQUENCY REQUIREMENTS WITH THE AHJ, INSTALL ABOVE ACCESSIBLE CEILING

1 AUXILIARY SYMBOLS LIST
NO SCALE

GENERAL:
- ALL HEIGHTS ARE CENTERLINE UNLESS NOTED OTHERWISE
- INSTALL FIRESTOPPING IN ALL PENETRATIONS OF FIRE-RATED WALLS OR CEILINGS 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
  - INTERCOM: GRAY
- LABEL ENDS OF CABLES, FACEPLATES, & PATCH PANELS W/ CABLE IDENTIFICATION, SEE 'COMMUNICATION OUTLET LABELING FORMAT DETAIL'. 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 PUNCH DOWN LOCATIONS FOR CAMERAS, WAPs, AND STANDARD DATA OUTLETS.
  - RACK EQUIPMENT AND BACKBOARD-MOUNTED EQUIPMENT LOCATIONS

INTERCOM:
- THE EXISTING BUILDING IS EQUIPPED WITH AN AMBIT VOIP INTERCOM SYSTEM. THE COMMUNICATIONS CONTRACTOR SHALL FURNISH AND INSTALL ALL COMPONENTS AND EQUIPMENT REQUIRED TO EXTEND THE EXISTING INTERCOM SYSTEM TO THE NEW BUILDING. THE SYSTEM SHALL BE COMPLETE AND FUNCTIONAL AT PROJECT COMPLETION.

FIRE ALARM:
- THE FIRE ALARM SYSTEM FOR THE NEW CLASSROOM ADDITION SHOULD NETWORK VIA FIBER WITH THE EXISTING SIMPLEX 4100ES FIRE ALARM PANEL IN THE HIGH SCHOOL BUILDING. THE CLASSROOM ADDITION SHOULD ACT INDEPENDENTLY, CALL OUT SHOULD OCCUR VIA THE EXISTING FIRE ALARM PANEL AND ANNUNCIATION OF ALL TROUBLE, SUPERVISORY, AND ALARM SIGNALS AT THE CLASSROOM ADDITION SHOULD ALSO ANNUNCIATE AT THE HIGH SCHOOL PANEL.
- THE CERTIFIED FIRE ALARM ACT REQUIRES THE FOLLOWING:
  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 AND THE LICENSE MUST 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.

  CONTRACTORS WISHING TO BID ON THE FIRE ALARM WORK MUST 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 MARSHALL.
- ANY FIRE ALARM WORK INDICATED ON THE DRAWINGS THAT WILL CAUSE IMPAIRMENT TO THE SYSTEM SHALL BE COORDINATED WITH THE OWNER AND THE AHJ PRIOR TO THE WORK BEING PERFORMED. SYSTEM IMPAIRMENT PROCEDURES SHALL COMPLY WITH NFPA 72 (2019) SECTION 10.21
- THE FIRE ALARM SYSTEM WORK SHALL BE PERFORMED AS PER NFPA 72 (2019) 10.4 AND 10.5.2. 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 IBC (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 17.7.4.1). COORDINATE WITH HVAC
- PROVIDE BACKBOX SKIRT FOR SURFACE MOUNTED FIRE ALARM NOTIFICATION APPLIANCES
- THE FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72 (2019) (IFC 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 #ELOCK-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 CABLING 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 BDA SYSTEMS SHALL BE BID AS FOLLOWS:
  - •• BASE BID: INITIAL SURVEY AS DESCRIBED IN SPECIFICATION SECTION 285000
  - •• UNIT PRICE: REFER TO SPECIFICATION SECTION 012200
  - •• ALLOWANCE: REFER TO SPECIFICATION SECTION 012100
- THE FIRE ALARM SYSTEM SHALL MONITOR THE BI-DIRECTIONAL AMPLIFIER (BDA) AS PER IFC (2021) 510.4.2.5 AND SPECIFICATION SECTION 285000. SUPERVISORY SIGNALS SHALL ANNUNCIATE AT THE FIRE ALARM PANEL AND ALL REMOTE ANNUNCIATOR PANELS.

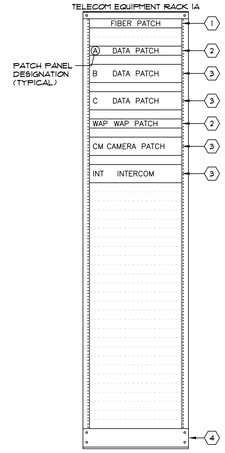
2 GENERAL AUXILIARY NOTES
NO SCALE

1A-A-12

TELECOM EQUIPMENT RACK DESIGNATION — PATCH PANEL DESIGNATION — PATCH PANEL PORT NUMBER

NOTE: THE LABELING FORMAT OUTLINED ABOVE SHALL BE USED UNLESS DIRECTED OTHERWISE BY THE OWNER

9 COMMUNICATION OUTLET LABELING FORMAT DETAIL
NO SCALE



1 LEVITON #SRUH-S03 RACK MOUNT FIBER ENCLOSURE, LEVITON #SFI02-2GL ADAPTER PLATES AS REQUIRED, INSTALL LEVITON #SFI00-PLT BLANK ADAPTER PLATES ON UNUSED PORTS.

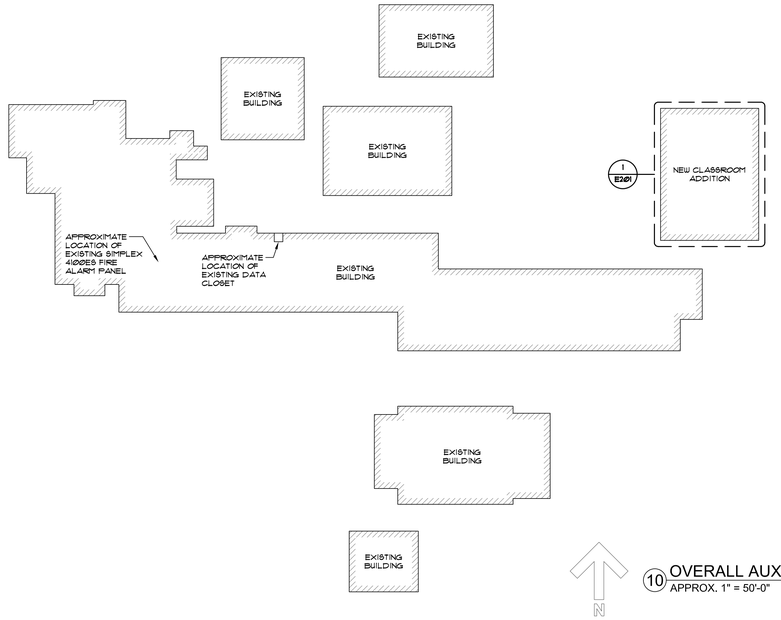
2 LEVITON #49259-H24 24 PORT PATCH PANEL W/ LEVITON ATLAS X1 JACKS AS REQUIRED (JACK TYPE AND COLOR TO MATCH OUTLET SERVED).

3 LEVITON #49259-H48 48 PORT PATCH PANEL W/ LEVITON ATLAS X1 JACKS AS REQUIRED (JACK TYPE AND COLOR TO MATCH OUTLET SERVED).

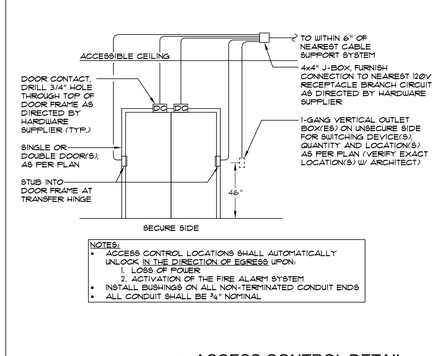
4 HOFFMAN #EDR19P145U 'I' 2-POST OPEN FRAME EQUIPMENT RACK.

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
- CONTRACTOR SHALL PROVIDE A 12" PATCH CORD FOR EACH PATCH PANEL TERMINATION, COLOR TO MATCH JACK COLOR.

6 TELECOM EQUIPMENT RACK '1A' ELEVATION
NO SCALE

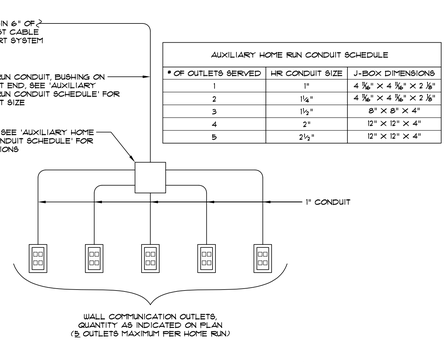


10 OVERALL AUXILIARY PLAN
APPROX. 1" = 50'-0"



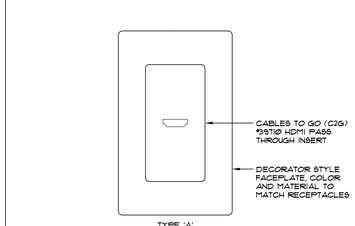
NOTES:
- ACCESS CONTROL LOCATIONS SHALL AUTOMATICALLY UNLOCK IN THE DIRECTION OF EGRESS UPON:
  1. LOSS OF POWER
  2. ACTIVATION OF THE FIRE ALARM SYSTEM
- INSTALL BUSHINGS ON ALL NON-TERMINATED CONDUIT ENDS
- ALL CONDUIT SHALL BE ¾" NOMINAL

7 ACCESS CONTROL DETAIL
NO SCALE

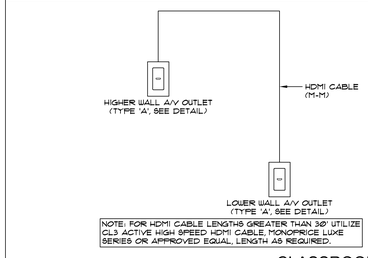


AUXILIARY HOME RUN CONDUIT SCHEDULE		
# OF OUTLETS SERVED	HR CONDUIT SIZE	J-BOX DIMENSIONS
1	1"	4 ⅞" × 4 ⅞" × 2 ⅛"
2	1¼"	4 ⅞" × 4 ⅞" × 2 ⅛"
3	1½"	8" × 8" × 4"
4	2"	12" × 12" × 4"
5	2½"	12" × 12" × 4"

8 AUXILIARY CONDUIT DETAIL
NO SCALE

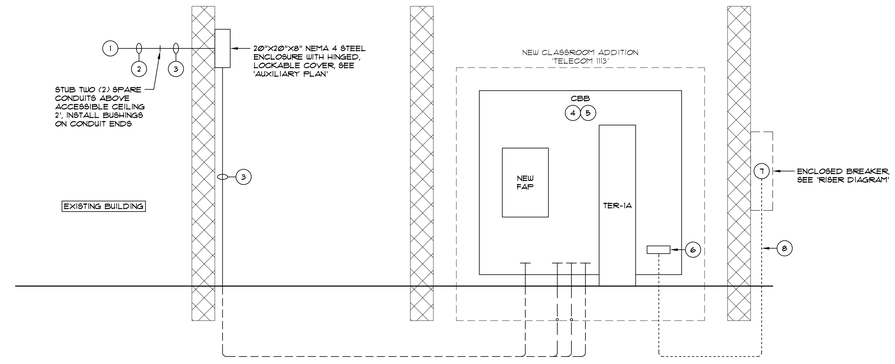


5 A/V OUTLET DETAIL
NO SCALE



NOTE: FOR HDMI CABLE LENGTHS GREATER THAN 30' UTILIZE CL3 ACTIVE HIGH SPEED HDMI CABLE, MONOPRICE LUXE SERIES OR APPROVED EQUAL, LENGTH AS REQUIRED.

3 CLASSROOM A/V WIRING DIAGRAM
NO SCALE



1 INCLUDE 1" OF CONDUIT AND CABLING FOR ROUTING WITHIN EXISTING BUILDING. TERMINATION POINTS TO BE DETERMINED DURING CONSTRUCTION, SEE 'OVERALL AUXILIARY PLAN' FOR APPROXIMATE DATA CLOSET AND FIRE ALARM PANEL LOCATIONS. INSTALL NEW LEVITON #SRUH-S03 RACK MOUNT FIBER ENCLOSURE IN EXISTING DATA RACK IN EXISTING DATA CLOSET, INSTALL LEVITON #SFI02-2GC ADAPTER PLATES AS REQUIRED, INSTALL LEVITON #SFI00-PLT BLANK ADAPTER PLATES ON UNUSED PORTS. TERMINATE FIBER CABLE FOR DATA WITH 'SC' CONNECTORS ON NEW RACK MOUNTED FIBER PATCH PANEL. COORDINATE FIRE ALARM FIBER TERMINATION REQUIREMENTS WITH FIRE ALARM CONTRACTOR

2 (1) 12 STRAND, MULTI-MODE, 50 MICRON, OM3, INDOOR / OUTDOOR TIGHT BUFFER PLENUM FIBER IN 2"C. FOR DATA, GENERAL CABLE #C-C1182-00-G3-012-M3 OR EQUAL
(1) 6 STRAND, MULTI-MODE, 62.5 MICRON, OM1, INDOOR / OUTDOOR TIGHT BUFFER PLENUM FIBER IN 2"C. FOR FIRE ALARM, GENERAL CABLE #C-C1182-00-G6-006-M2 OR EQUAL
INSTALL BUSHINGS ON ALL CONDUIT ENDS

3 (1) 12 STRAND, MULTI-MODE, 50 MICRON, OM3, INDOOR / OUTDOOR TIGHT BUFFER PLENUM FIBER IN 2"C. FOR DATA, GENERAL CABLE #C-C1182-00-G3-012-M3 OR EQUAL
(1) 6 STRAND, MULTI-MODE, 62.5 MICRON, OM1, INDOOR / OUTDOOR TIGHT BUFFER PLENUM FIBER IN 2"C. FOR FIRE ALARM, GENERAL CABLE #C-C1182-00-G6-006-M2 OR EQUAL
(2) 2" SPARE CONDUITS
INSTALL BUSHINGS ON ALL CONDUIT ENDS

4 TERMINATE FIBER CABLE FOR DATA WITH 'LC' CONNECTORS ON RACK MOUNTED FIBER PATCH PANELS

5 INSTALL A DEDICATED #6 EQUIPMENT BONDING CONDUCTOR FROM ALL RACKS, ENCLOSURES, CABLE TRAYS, AND STRUCTURAL STEEL (CONNECT TO VERTICAL COLUMNS IF WITHIN SAME SPACE) TO THEIR RESPECTIVE GROUNDING BUSBAR

6 TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB), COPPER, 12"L×4"H×¼"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

7 CONNECT TO GROUNDING ELECTRODE

8 ¶ INSULATED (GREEN) GROUNDING CONDUCTOR IN 1"C., INSTALL #6 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 NONMETALLIC AND SHALL INCLUDE THE FOLLOWING INFORMATION: "IF THIS CONNECTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER."

4 AUXILIARY RISER DIAGRAM
NO SCALE

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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
FOR THE CHILTON COUNTY BOARD OF EDUCATION
1256 ALABAMA HIGHWAY139, MAPLESVILLE, ALABAMA 36750

BID SET

DATE: 11/16/26
PROJ NO: 26-037

REVISIONS

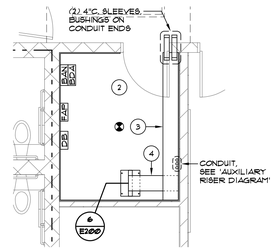
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AUXILIARY SYMBOLS & DETAILS

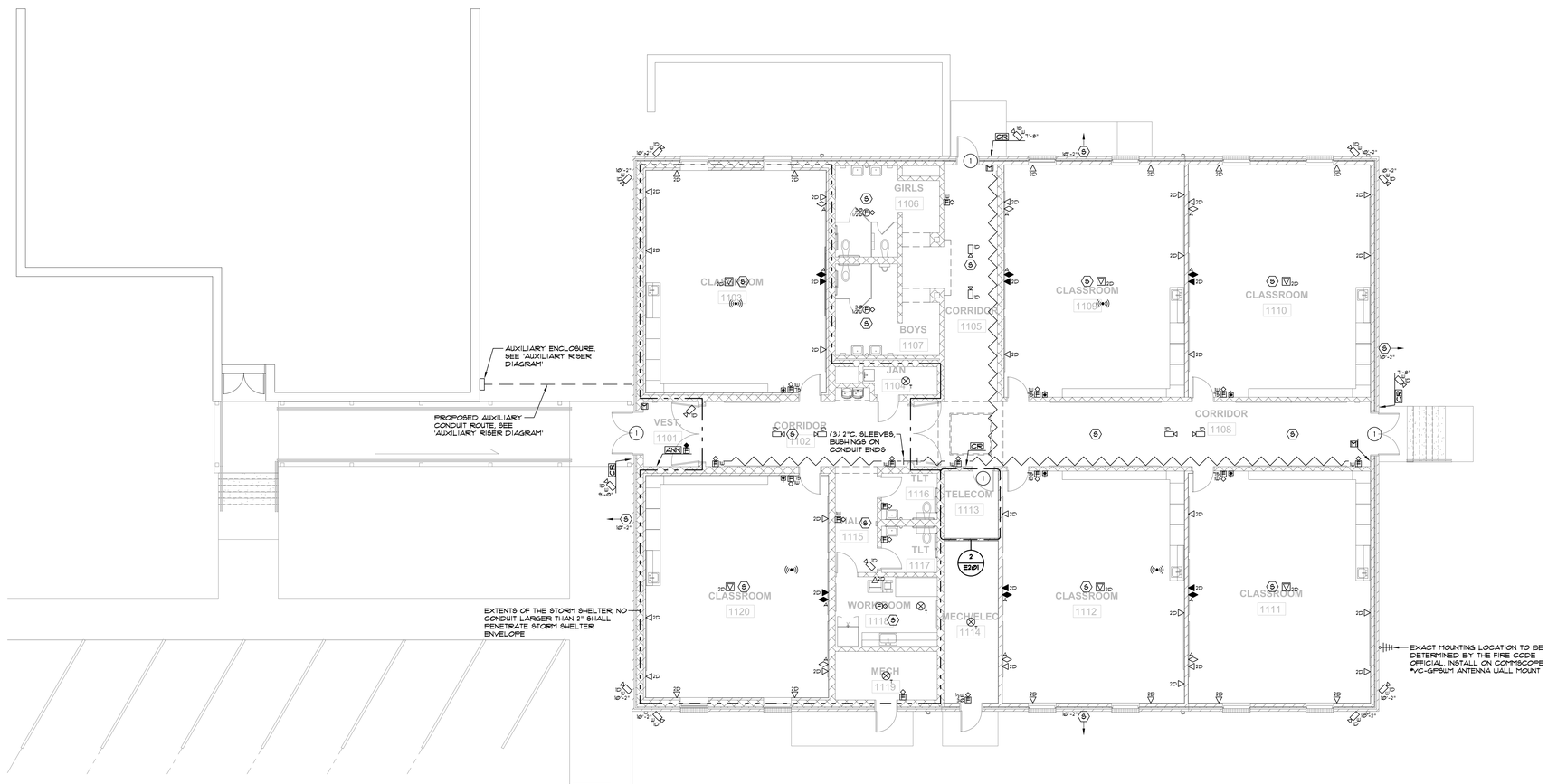
E200

1. ACCESS CONTROL LOCATION, SEE 'ACCESS CONTROL DETAIL'
2. COMMUNICATION BACKBOARD 'CBB': INSTALL ¾" VOID-FREE PLYWOOD UP TO 8'-0" ALONG ALL WALLS THIS ROOM. 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
3. 12" LADDER RACK, 8'-0" AFF
4. 12" LADDER RACK, 7'-0" AFF

REFERENCED NOTES



ENLARGED 'TELECOM 1113' AUXILIARY PLAN
2 1/4" = 1'-0"



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

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11/16/26 *26-037R

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MAPLESVILLE HIGH SCHOOL CLASSROOM ADDITION
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#	DESC	DATE

AUXILIARY PLAN

E201