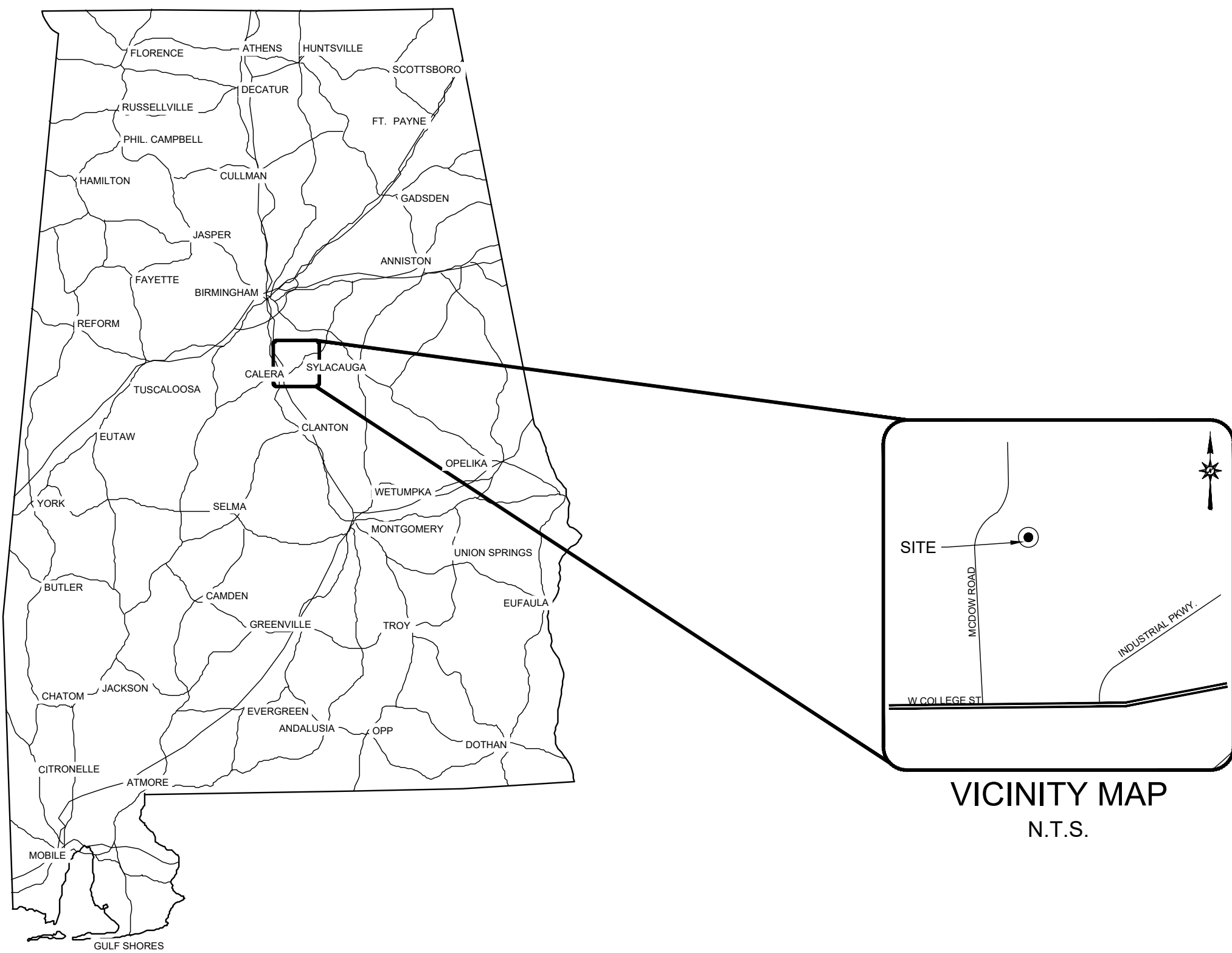


SHELBY COUNTY EMA/IT BLDG.

MCDOW ROAD
COLUMBIANA, AL

GSA PROJECT NO.: 25-0406



PLAN SUBMITTAL HISTORY		
SUBMITTAL #	DESCRIPTION	DATE
1	ISSUE FOR BID	10/27/2025
2		
3		
4		

POINTS OF CONTACT

OWNER/DEVELOPER: TREY GAUNTT, PE SHELBY COUNTY FACILITIES & GENERAL SERVICES 280 MCDOW ROAD COLUMBIANA, AL 35051 (205) 670-6461 TGAUNTT@SHELBYAL.COM	CIVIL ENGINEERING CONSULTANT: CAREY DANIEL, PE GONZALEZ-STRENGTH & ASSOCIATES, INC. 1550 WOODS OF RIVERCHASE DRIVE HOOVER, AL 35244 (205) 942-2486 CDANIEL@GONZALEZ-STRENGTH.COM	SURVEYOR: DEREK MEADOWS, PLS GONZALEZ-STRENGTH & ASSOCIATES, INC. 1550 WOODS OF RIVERCHASE DRIVE HOOVER, AL 35244 (205) 942-2486 DMEADOWS@GONZALEZ-STRENGTH.COM	GAS COMPANY: CRAIG CARTER SPIRE INC. 605 RICHARD ARRINGTON JR BLVD N (205) 581-1100
ARCHITECT: STEPHEN COKER STEPHEN COKER ARCHITECT LLC 1000 - GLEN VIEW ROAD BIRMINGHAM, AL 35222 (205) 595-0021 STEVE@COKERARCH.COM	ELECTRICAL ENGINEER: DAVID ARENDALL, PE JACKSON RENFRO & ASSOCIATES, INC. 31 INVERNESS CENTER PKWY, SUITE 300 BIRMINGHAM, AL 35242 (205) 995-1078 DAVID@JRAEE.COM	SANITARY SEWER COMPANY: MICHAEL HARMON MONTEVALLO WATER WORKS AND SEWER BOARD 613 VALLEY ST. MONTEVALLO, AL 35115 (205) 665-9045 MHARMON@MONTEVALLOWATER.COM	MECHANICAL/PLUMBING ENGINEER: SAM DAVIS, PE MW / DDA 4500 SOUTHLAKE PARK, SUITE 200 HOOVER, AL 35244 (205) 252-0246 SDAVIS@MWDDA.COM
WATER COMPANY: JOSH MILLER COLUMBIANA WATER BOARD 50 WATER WORKS ST (205) 669-5805 JMILLER@COLUMBIANA-WATER.COM	POWER COMPANY: CLAYTON BOWDEN ALABAMA POWER COMPANY CWBOWDEN@SOUTHERNCO.COM		

SHEET INDEX MATRIX

SHEET NO.	SHEET TITLE
C000	CIVIL COVER SHEET
S1	ALTA/NSPS LAND TITLE SURVEY
C001	GENERAL REQUIREMENTS
C100	SITE DEMOLITION PLAN
C200	SITE LAYOUT & DIMENSION PLAN
C250	SITE SECTIONS & DETAILS
C251	SITE SECTIONS & DETAILS
C300	SITE GRADING & DRAINAGE PLAN
C350	DRAINAGE SECTIONS & DETAILS
C400	SITE UTILITY PLAN
C450	UTILITY SECTIONS & DETAILS
C500	CBMPP COVER SHEET & NOTES
C501	GENERAL PERMIT REQUIREMENTS
C502	CBMPP NOTES
C503	CBMPP - INITIAL PHASE
C504	CBMPP - INTERMEDIATE PHASE
C505	CBMPP - FINAL PHASE
C550	CBMPP DETAILS
C551	CBMPP DETAILS

ISSUE FOR BID: 10-27-25



Know what's below
Call before you dig

REVISIONS		DATE
NO.	DESCRIPTION	
0		
1		
2		
3		
4		

CIVIL COVER SHEET

SHELBY COUNTY EMA/IT BLDG.
MCDOW ROAD
COLUMBIANA, AL

STEPHEN COKER ARCHITECT, LLC
BIRMINGHAM, AL

GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL & TRANSPORTATION ENGINEERING - LAND SURVEYING - LAND PLANNING
LANDSCAPE ARCHITECTURE - PIPELINE ENGINEERING & SURVEYING
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
HOOVER, AL 35244
PHONE: (205) 942-2486
WWW.GONZALEZ-STRENGTH.COM

an company

NOT VALID UNLESS SIGNATURE IS SHOWN
10/27/25

DWG. NO.
C000 R 0
PROJECT
25-0406

C:\Users\steve\OneDrive\Desktop\CURRENT PROJECTS\SHELBY COUNTY EMA-IT\SHELBY COUNTY EMA-IT REVERSED PLAN.dwg, 10/28/2025 11:26:30 AM

APPLICABLE CODES:

- 2024 International Building Code
- 2024 International Fuel Gas Code
- 2024 International Plumbing Code
- 2024 International Mechanical Code
- 2024 International Fire Code
- 2015 International Energy Conservation Code
- 2023 National Electrical Code
- 2017 ANSI 117.1 Accessibility Code
- 2010 ADA Standards for Accessible Design
- 2023 ANSI/ICC 500 Standard for the Design and Construction of Storm Shelters

This building contains 2 Risk Category sections:

BUILDING RISK CATEGORY IV – ESSENTIAL FACILITIES – IBC 1604.5 – ICC 500 SECTION

BUILDING RISK CATEGORY II – ALL OTHER – IBC 1604.5

THIS BUILDING IS TO BE FIRE SPRINKLERED IN ACCORD WITH NFPA 13

FIRE ALARM SYSTEM IS REQUIRED – IBC 907

OCCUPANCY TYPE:

2024 IBC: Group B – Business (IBC Section 304)

CONSTRUCTION TYPE:

2024 IBC: TYPE II–B Unprotected Non–Combustible (IBC Section 602)

BUILDING HEIGHT AND AREA LIMITATIONS:

4 stories / 92,000 S.F./ 75’ Height (IBC Table 504 & 506)

(Allowable area and height increases not calculated)

THIS PROJECT: 1 story – 15,616 S.F. Building Area – 21’ height

MINIMUM OCCUPANT LOADS BY CODE:

- 1 per 150 S.F. – Group B (IBC Table 1004.5)
- 1 per 50 S.F. – Group B Concentrated Use (IBC Table 1004.8)

MAXIMUM TRAVEL TO EXIT:

Exit Access Travel Distance Limit – Group B – 300 max. (IBC Table 1017.2)

Max. distance this project – 133’

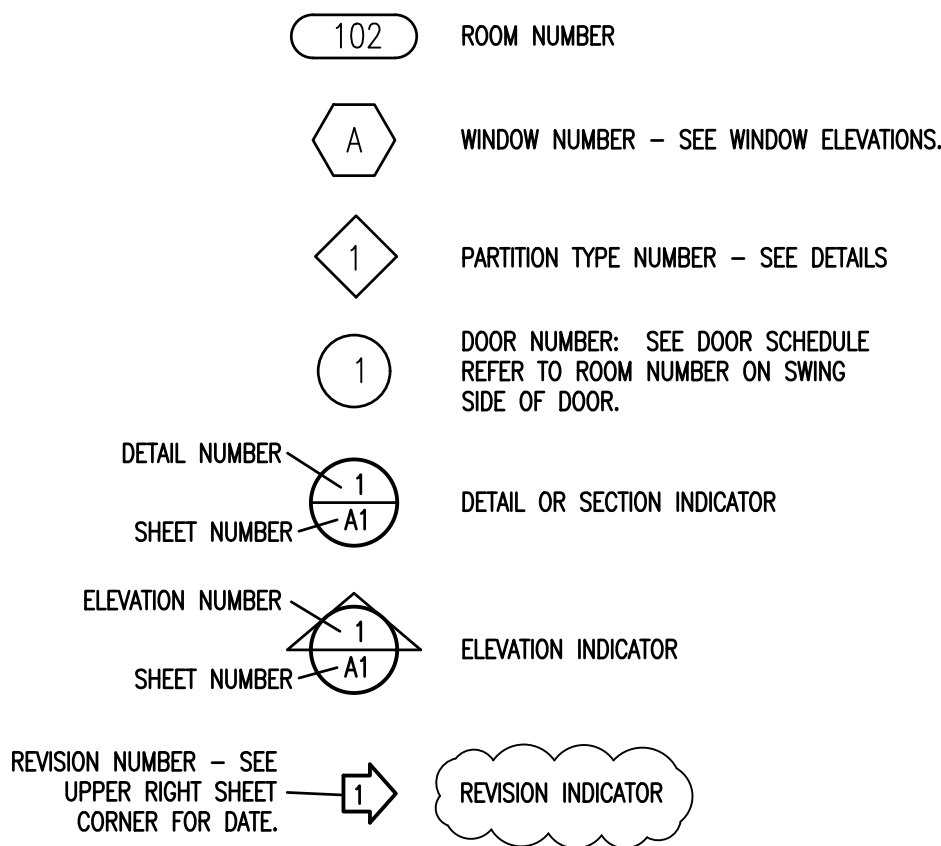
Common Path of Egress Travel – 100’ max. (IBC 1006.2.1)

Max. distance this project – 25’

REQUIRED FIRE PROTECTION RATINGS FOR WALLS and OPENINGS – BUILDING TYPE ii–B:

ELEMENT	WALL RATING (IBC Table 601)	OPENING RATING (IBC Table 716.1)
Fire Barriers	3 hr. – IBC 706.4 (N/A)	
Exterior Brg. Walls	0 hr. – IBC 601	0 hr
Interior Brg. Walls	0 hr. – IBC 601	0 hr
Exterior Non–Brg. Walls	0 hr. – IBC 601	0 hr
Other Interior partitions:	0 hr. – IBC 601	0 hr
Structural Frame:	0 hr. – IBC 601	
Floors, Beams, and Joists:	0 hr. – IBC 601	
Roofs, Beams, and Rafters:	0 hr. – IBC 601	
Exterior Wall Fire Resistance Rating:	>30’ separation – 0 hr.– IBC 705.5	
Vertical Exit Enclosures:	N/A	
Exit Passageways:	N/A	
Interior Corridors:	0 hr. (IBC Table 1020.2 Sprinklered)	
Demising Interior Partitions:	N/A	
Floor / Ceiling Assembly:	N/A	
Occupancy Separation:	N/A (IBC Table 508.4)	

ARCHITECTURAL SYMBOL LEGEND



ABBREVIATIONS

C/C	CENTERLINE
#	CENTER TO CENTER
#	AT THE RATE OF
#	NUMBER
APPROX.	APPROXIMATE, APPROXIMATELY
A.F.F.	ABOVE FINISH FLOOR
C.J.	CONTROL JOINT
CL.	CLEAR
CLG.	CEILING
CONC.	CONCRETE
CONT.	CONTINUOUS
COORD.	COORDINATE
D.	DEEP
DIA.	DIAMETER
EL.	ELEVATION (HGT. REF. SURVEY DATUM)
ELEV.	ELEVATION (VERTICAL BUILDING VIEW)
EXT.	EXTERIOR
FAB.	FABRICATE, FABRICATED
FIN.	FINISH, FINISHED
F.O.S.	FACE OF STUDS
FLK.	FLOOR
GYP. BD.	GYPSON BOARD
H.	HIGH
HD.	HEAD
HR.	HOUR
HT.	HEIGHT
INT.	INTERIOR
M.O.	MASONRY OPENING
MAX.	MAXIMUM
MFRG.	MANUFACTURER
MIN.	MINIMUM
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.I.	OWNER FURNISHED AND INSTALLED
PLN.	PLAN
R	RADIUS
REBAR	REINFORCING BAR
REF.	REFERENCE
REFL.	REFLECTED
RND.	ROUND
R.O.	ROUGH OPENING
THRU	THROUGH
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
W.	WIDE
W/	WITH
WDW.	WINDOW
W.W.M.	WELDED WIRE MESH
W.W.F.	WELDED WIRE FABRIC

FIRE EXTINGUISHERS

(FE) – BRACKET MTD. (FE) – SEMI–RECESSED CABINET

PROVIDE PORTABLE WALL MOUNTED FIRE EXTINGUISHERS WHERE SHOWN ON PLAN AND NOT TO EXCEED 75’ TRAVEL DISTANCE FOR ANY OCCUPANT. ADD EXTINGUISHERS TO COMPLY WITH FIXTURE OR EQUIPMENT LAYOUTS.

PROVIDE UL 4–A: 80B;C 10# ABC TYPE ON WALL BRACKETS OR IN SEMI–RECESSED CABINETS. PROVIDE APPROVED EASILY VISIBLE SIGNAGE INDICATING ALL LOCATIONS.

TOP OF CABINET OR BRACKET @ 48” ABOVE FLOOR
MAXIMUM CABINET PROJECTION = 4” FROM WALL

Group B OCCUPANCY: 153 OCCUPANTS

WATER CLOSETS REQD: (IBC TABLE 2902.1) – 5 REQD. TOTAL

WATER CLOSETS PROVIDED: 7 WC + 3 URINALS

LAVATORIES REQD: (IBC TABLE 2902.1) – 3 REQD. TOTAL

LAVATORIES PROVIDED: 7

DRINKING FOUNTAINS REQD: (IBC 2902.1) 1/100 OCCUPANTS = 2 OR BI–LEVEL

DRINKING FOUNTAINS PROVIDED: 4

SERVICE SINKS REQD: (IBC TABLE 2902.1) 1 SERVICE SINK REQD. TOTAL

SERVICE SINKS PROVIDED: 3

EGRESS CAPACITY TABULATION

OCCUPANCY	SIZE	OCCUPANCY LOAD IBC 1004.5	EGRESS WIDTH IBC 1005	EGRESS WIDTH PROVIDED
GROUP B	10,783 S.F.	1 per 150 S.F.	72 OCCUPANTS x 0.2” = 12”	34” x 2 = 68”
GROUP B Concentrated	4,040 S.F.	1 per 50 S.F.	81 OCCUPANTS x 0.2” = 25”	34” x 2 = 68”
153 TOTAL CODE OCCUPANTS				

D R A W I N G I N D E X

CS1 ARCHITECTURAL COVER SHEET

C000	CIVIL COVER SHEET	FP0.01	FIRE SUPPRESSION DETAILS
S1	ALTA/NSPS LAND TITLE SURVEY	FP0.02	FIRE SUPPRESSION DETAILS
C001	GENERAL REQUIREMENTS	FP1.01	FIRE PROTECTION FLOOR PLAN
C100	SITE DEMOLITION PLAN		
C200	SITE LAYOUT & DIMENSION PLAN	M1	HVAC LEGENDS AND NOTES
C250	SITE SECTIONS & DETAILS	M2	HVAC SCHEDULES
C251	SITE SECTIONS & DETAILS	M3	HVAC SCHEDULES
C300	SITE GRADING & DRAINAGE PLAN	M4	HVAC SCHEDULES
C350	DRAINAGE SECTIONS & DETAILS	M5	HVAC OUTSIDE AIR CALCULATIONS
C400	SITE UTILITY PLAN	M6	HVAC FLOOR PLAN
C450	UTILITY SECTIONS &DETAILS	M7	HVAC PIPING FLOOR PLAN
C500	CBMPP COVER SHEET & NOTES	M8	HVAC ROOF PALN
C501	GENERAL PERMIT REQUIREMENTS	M9	HVAC CHILLED WATER PIPING
C502	CBMPP NOTES	M10	HVAC HOT WATER PIPING
C503	CBMPP–INITIAL PHASE	M11	HVAC CONTROLS
C504	CBMPP–INTERMEDIATE PHASE	M12	HVAC DOAS WIRING & CRAC PIPING
C505	CBMPP–FINAL PHASE	M13	HVAC DETAILS
C550	CBMPP DETAILS	M14	HVAC DETAILS
C551	CBMPP DETAILS	M15	HVAC DETAILS & CONTROLS
		M16	HVAC DETAILS

IS01	NORTHWEST VIEW
IS02	SOUTHEAST VIEW
IS03	NORTHWEST ISOMETRIC
IS04	SOUTHEAST ISOMETRIC
A1	LIFE SAFETY FLOOR PLAN
A2	DIMENSION FLOOR PLAN
A3	REFLECTED CEILING PLAN
A4	ROOF PLAN
A5	EXTERIOR ELEVATIONS
A6	BUILDING SECTIONS, ENTRY PLANS
A7	WALL SECTIONS 1
A8	WALL SECTIONS 2
A9	WALL SECTIONS 3
A10	WALL SECTIONS 4
A11	WALL SECTIONS 5
A12	WALL & WINDOW DETAILS
A13	WALL PANEL DETAILA
A14	PVC ROOF DETAILS
A15	FINISH SCHEDULES
A16	DOOR & WINDOW SCHEDULES
A17	ACCESSIBILITY DETAILS
A18	CASEWORK DETAILS 1
A19	CASEWORK DETAILS 2
A20	FLOOR SLAB PLAN

S1.01	STRUCTURAL GENERAL NOTES
S1.02	STRUCTURAL GENERAL NOTES
S1.03	SCHEDULE OF SPECIAL INSPECTIONS
S1.04	SCHEDULE OF SPECIAL INSPECTIONS
S1.05	STRUCTURAL TYPICAL DETAILS
S1.06	STRUCTURAL TYPICAL DETAILS
S1.07	STRUCTURAL TYPICAL DETAILS
S1.08	STRUCTURAL TYPICAL DETAILS
S1.09	STRUCTURAL TYPICAL DETAILS
S1.10	STRUCTURAL TYPICAL DETAILS
S2.01	STRUCTURAL FLR AND FND PLAN
S2.02	STRUCTURAL ROOF FRAMING PLAN
S3.01	STRUCTURAL SECTIONS
S3.02	STRUCTURAL SECTIONS
S3.03	STRUCTURAL SECTIONS
S3.04	STRUCTURAL SECTIONS
S3.05	STRUCTURAL SECTIONS
S3.06	STRUCTURAL SECTIONS
S4.01	STORM SHELTER ELEVATIONS
S4.02	STORM SHELTER ELEVATIONS
S4.03	STORM SHELTER ELEVATIONS

BID DOCUMENTS

10 / 27 / 2025

109 TOTAL SHEETS

BUILDING USE

Offices and Emergency Operations Center

Project Name and Address:

Shelby County
EMA - IT FACILITY
260 - McDow Road
Shelby County, Alabama 35051

Drawing scale indicated is accurate on 24”x36” sheets only

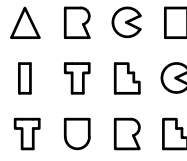
REVISIONS	BY

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Stephen Coker Architect LLC



Not Valid for Construction
without Registration Seal

Shelby County
EMA - IT FACILITY
260 - McDow Road
Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

DRAWING DATE	10-27-2025
DRAWN BY	SJC
PROJECT NO.	250407
COVER SHEET	
24 TOTAL ARCHITECTURAL SHEETS	
SHEET NO.	
CS1	
1	OF 25(A) SHEETS

LEGEND

- | | |
|---|---|
| IPF | ● IRON PIN FOUND |
| IPS | ● IRON PIN SET 5/8" REBAR w/CAP
(STAMPED CA-560LS) |
| ■ | CONCRETE MONUMENT FOUND |
| + | CROSS FOUND |
| ○ | CALCULATED POINT |
|  | UTILITY POLE w/GUY |
|  | OVERHEAD POWER LINE |
|  | OVERHEAD TELEPHONE LINE |
|  | SPOT ELEVATION |
|  | SANITARY SEWER LINE |
|  | UNDERGROUND WATER LINE |
|  | UNDERGROUND GAS LINE |
|  | UNDERGROUND COMMUNICATION LINE |
|  | RIGHT OF WAY |
| ▲ | WATER VALVE |
| ■ | WATER METER |
| Ⓔ | GAS REGULATOR |
| — | FENCE |
|  | ASPHALT SURFACE |
|  | CONCRETE SURFACE |
|  | GRAVEL SURFACE |
|  | RIP RAP SURFACE |
| ⊗ | STORM SEWER MANHOLE |
| ⊙ | SANITARY SEWER MANHOLE |
| ● | MONITORING WELL |
| ⌈ | TELEPHONE PEDESTAL |
| ⊗ | SANITARY SEWER CLEANOUT |
| ⌈ | SATELLITE DISH |
| E | ELECTRIC BOX |
| AC | AIR CONDITIONER |
|  | LIGHT STANDARD |
| — | SIGN |
| Ⓜ | MAILBOX |
| ⊗ | FIRE HYDRANT |
| ⊙ | TELEPHONE MANHOLE |
|  | TREE |
| XX | PARKING COUNT |
| B _o | BOLLARD |

NOTES

1. All easements and rights of way of which the surveyor has knowledge are shown hereon; others may exist of which the surveyor has no knowledge and of which there is no observable evidence. No Title Commitment performed, certified to or supplied by client. Without said Title Commitment no guarantee can be made by the surveyor as to the location of easements.
2. All utilities of which the surveyor has knowledge are shown hereon. Routings of underground utilities were drawn based on utility maps provided by respective utility companies. The location of all utilities should be marked on the ground by the utility companies prior to construction. The telephone numbers for the Alabama Line Location Center (MISSALL) are 252-4444 (Birmingham), 811 or other similar utility locate confirmation number is 251710279 Note to the client, insurer, and lender- With regard to underground utilities, information from the sources above will be combined with observed utility locations. If the utility is not at the underground facilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. In addition, in some locations, 811 or other similar utility locate requests from surveyors may be ignored or result in an incomplete response, in which case the surveyor accepts no responsibility for the location of utilities. Where additional information is required, the client is advised that excavation may be necessary.
3. No attempt has been made and no guarantees are hereby given as to the location of sub-surface foundations.
4. Contours and spot elevations shown hereon are based on using Global Positional System (GPS) and derived by RTK observation. Using the Alabama Department of Transportation CORS Network (IMAX).
5. According to the Flood Insurance Rate Map (FIRM) for Shelby County, Alabama (community-panel number 011177 0417 E, dated February 20, 2013), all of the subject property lies within Zone X, defined as "areas determined to be outside the 0.2% annual chance floodplain."
6. North arrow and bearings shown hereon are based on Transverse Mercator Projection - Alabama West Zone - NAD 83 adjusted 2011. Using Global Positional System (GPS) and derived by RTK observation. Using the Alabama Department of Transportation CORS Network (IMAX).
7. Equipment used to collect the survey data was a Carlson BRX 6+ GPS receiver, a Sokkia IX503 Robotic Total Station and a Carlson RT3 tablet Data Collector.

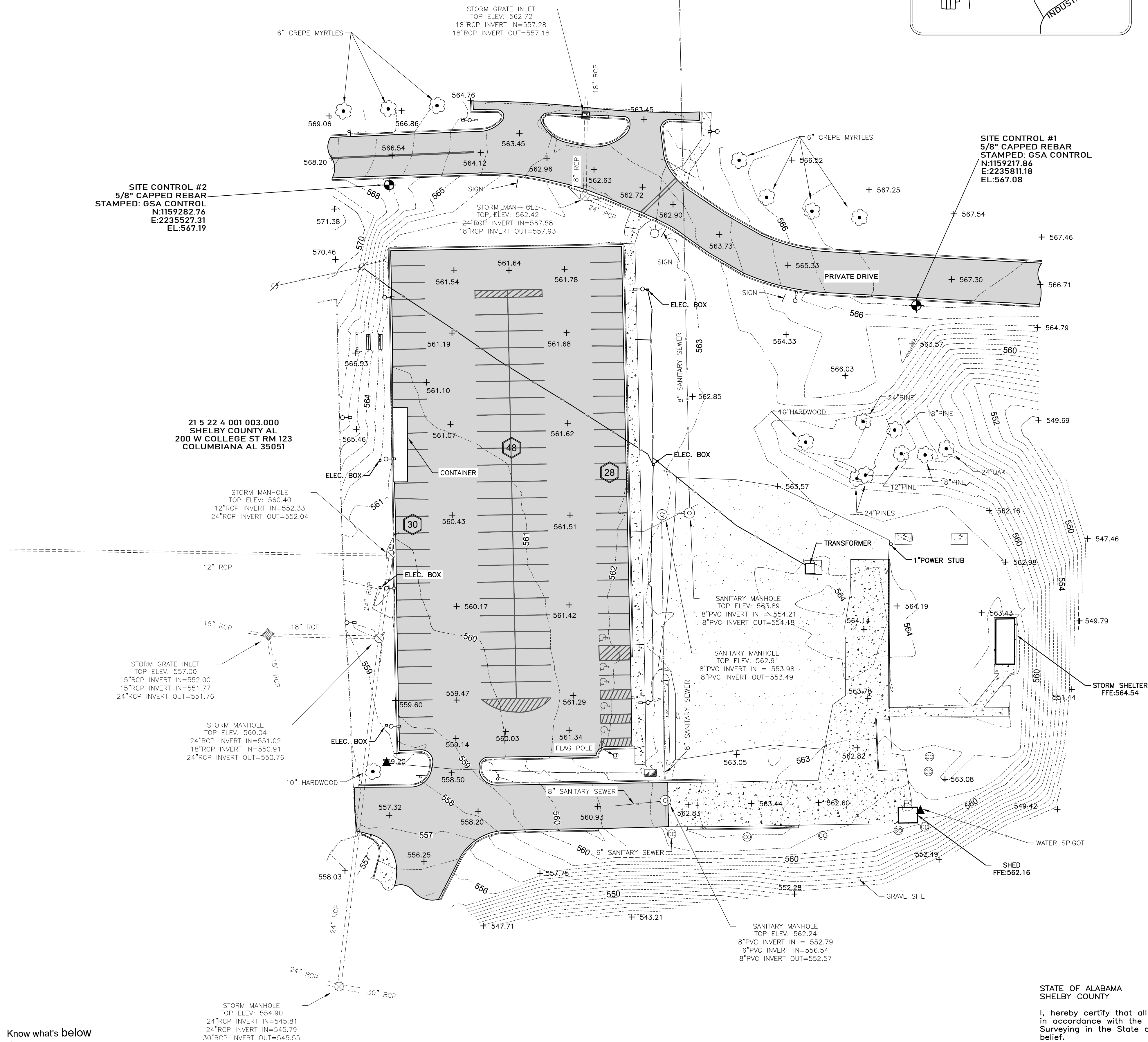
I HEREBY CERTIFY (OR STATE) THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN THE ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.



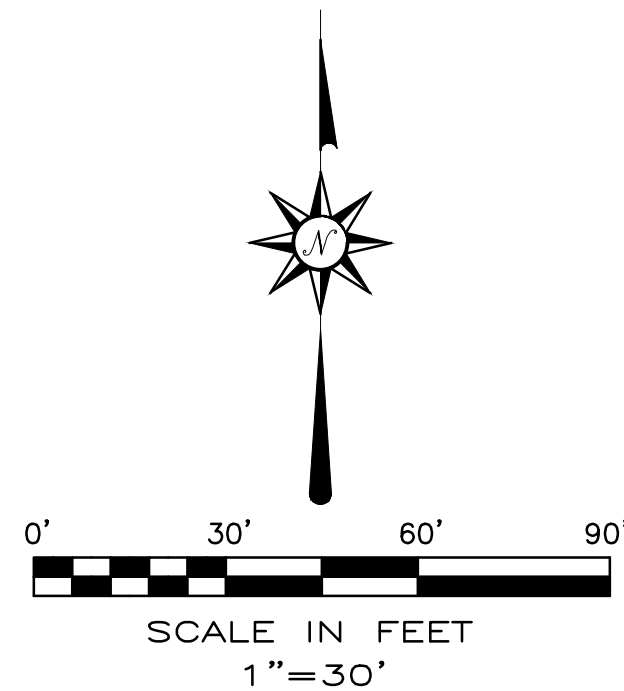
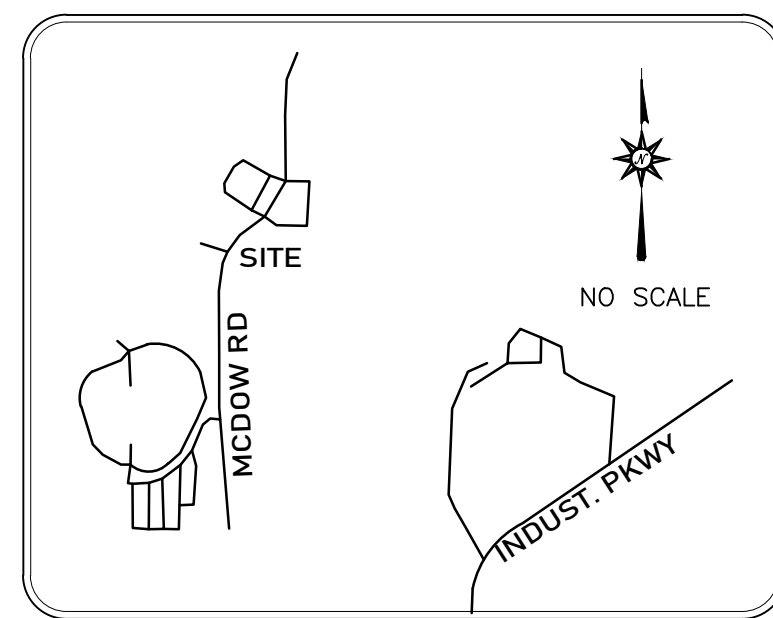
Know what's below
Call before you dig.
Dial 811
Or Call 800-282-7411

ABBREVIATIONS

P.O.C.	POINT OF COMMENCEMENT	T21S	TOWNSHIP 21 SOUTH
P.O.B.	POINT OF BEGINNING	R1W	RANGE 1 WEST
(M)	MEASURED	SEC.	SECTION
(C)	CALCULATED	R.R.	RAILROAD
		EL.	ELEVATION
		BLDG.	BUILDING
		RCP	REINFORCED CONCRETE PIPE
		PVC	POLY VINYL CHLORIDE



VICINITY MAP



REVISIONS		
NO.	DESCRIPTION	DATE
-		-
-		-
-		-
-		-
-		-

QUARTER - SECTION
SOUTHEAST 1/4 OF THE SOUTHEAST 1/4

SECTION 22	TOWNSHIP 21 SOUTH	RANGE 1 WEST
------------	-------------------	--------------

PARTIAL TOPOGRAPHIC SURVEY			
TITLE			
SHELBY CO. EMA/IT BUILDING			
MC DOW ROAD COLUMBIANA AL			
FOR			
STEPHEN COKER ARCHITECT, LLC			
DOWN BY	CKD BY	SCALE	LAST FIELD SURVEY DATE
BB	DSM	1"=30'	06/26/2025
CREW CHIEF	FIELD BOOKPAGE	DATE	
	24-0000 DWG	25-0000 DWG	



NOT VALID FOR 1 YEAR FROM DATE OF EXPIRATION

STATE OF ALABAMA
SHELBY COUNTY

I, hereby certify that all parts of this survey and drawing have been completed in accordance with the current requirements of the Standards of Practice for Surveying in the State of Alabama to the best of my knowledge, information and belief.

Date: 9/09/2025


Derek S. Meadows, PLS
Alabama License No. 29996

DWG. NO.

PROJECT
25-0406

GENERAL NOTES:

- BOUNDARY AND TOPOGRAPHIC SURVEY WAS PREPARED BY GONZALEZ-STRENGTH & ASSOCIATES, INC., DATED 09/09/2025. IF CONTRACTOR DOES NOT ACCEPT THE INFORMATION AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A BOUNDARY AND/OR TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTION ACCORDING TO AGENCY INSTRUCTION.
- ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK, INCLUDING LANDSCAPING.
- AT LEAST 3 WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE OWNER, ENGINEER AND APPROPRIATE AGENCIES AND SUPPLY THEM WITH ALL REQUIRED SHOP DRAWINGS, THE CONTRACTOR'S NAME, STARTING DATE, PROJECTED SCHEDULE, AND OTHER INFORMATION AS REQUIRED. ANY WORK PERFORMED PRIOR TO NOTIFYING THE OWNER & ENGINEER OF RECORD OR WITHOUT AGENCY INSPECTOR PRESENT MAY BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER'S CONSTRUCTION MANAGER, SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO USE ON THIS SITE. CONSTRUCTION MANAGER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE CONTRACTOR'S RESPONSIBILITY FOR PERFORMANCE OF THE ITEM.
- WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS AND UTILITY COMPANIES. IT IS NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTOR'S AND UTILITY COMPANIES.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC., AND ALL REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY.
- CONTRACTOR SHALL REVIEW SOIL REPORTS AND BORINGS PRIOR TO BIDDING THE PROJECT AND COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL USE EACH PLAN IN CONJUNCTION WITH THE ENTIRE SET OF DRAWINGS AND JOB SPECIFICATIONS. DO NOT REMOVE OR DEMOLISH ANYTHING WITHOUT VERIFYING AND COORDINATION WITH ALL ELECTRICAL, PLUMBING, MECHANICAL, GENERAL TRADES, AND UTILITY COMPANIES AS THEY EFFECT THE OVERALL PROJECT.
- REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS, & UTILITY ENTRANCES.
- CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS FOR EXACT DIMENSIONS, SLOPE PAVING, COLUMNS, DOOR LOCATIONS, SIDEWALKS, EXIT PORCHES, RAMPS, DRAINAGE CONNECTIONS, AND UTILITY ENTRANCE LOCATIONS.
- SEE COVER SHEET FOR LIST OF UTILITY COMPANIES AND CONTACT PERSONS.
- ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THE CONSTRUCTION OF THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- ALL WORK AND MATERIAL SHALL COMPLY WITH ALL REGULATORY AGENCY'S REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- PRIOR TO ANY WORK ON-SITE, THE CONTRACTOR SHALL CONTACT THE ONE CALL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY REMOVALS WHETHER LOCATED BY THE ONE CALL SYSTEM OR NOT.

EROSION CONTROL NOTES:

- PRIOR TO CONSTRUCTION, THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE EROSION CONTROL PLAN SHALL BE IN PLACE. CLEARING AND GRUBBING OPERATIONS WILL BE ENGAGED IN ONLY AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN UNTIL ALL SUCH MEASURES ARE IN PLACE. LAND DISTURBING ACTIVITIES SHALL BE KEPT TO A MINIMUM AND WILL NOT EXTEND BEYOND THE LIMITS SHOWN.
- CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION ENTRANCE PRIOR TO ANY EARTHWORK OPERATIONS.
- SILT FENCES SHALL BE CLEANED OR REPLACED WHEN TRAPPED SEDIMENT REACHES 50 PERCENT OF THE ABOVE GROUND FENCE HEIGHT OR PER MANUFACTURER'S SPECIFICATIONS.
- SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED ON A DAILY BASIS AND REPAIRED, ADJUSTED AND MAINTAINED AS NEEDED OR REQUIRED BY GOVERNING AGENCIES AT NO ADDITIONAL EXPENSE TO THE OWNER TO PROVIDE EROSION AND SEDIMENT CONTROL FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- ALL EROSION CONTROL MEASURES EXCEPT THE REQUIRED RIP RAP ARE TEMPORARY DEVICES. THESE TEMPORARY DEVICES SHALL BE REMOVED PRIOR TO COMPLETION OF CONSTRUCTION ONCE STABILIZATION OF ALL GRASSED AREAS ARE COMPLETE.
- ADDITIONAL DEVICES MAY BE REQUIRED AS DEEMED NECESSARY BY GOVERNING AUTHORITIES.
- ALL GRADED AREAS SHALL BE STABILIZED WITH A PERMANENT FAST GROWING COVER AND/OR MULCH UPON COMPLETION OF GRADING OPERATIONS. COMPLETION OF GRADING OPERATIONS DOES NOT MEAN AT THE END OF THE PROJECT. AS SOON AS FINAL GRADES ARE ESTABLISHED IN AN UNPAVED AREA, THE CONTRACTOR SHALL STABILIZE WITH A TEMPORARY GRASS OR PERMANENT SOD. IF A TEMPORARY GRASS IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO APPLY A PERMANENT SEED OR SOD AT THE PROPER TIME OF YEAR.
- FILL SLOPES SHOULD BE PLANTED AS SOON AS AN AREA OF THE SITE IS BROUGHT TO FINAL GRADE. SURFACE RUNOFF SHALL BE INTERCEPTED AT THE TOP OF TEMPORARY AND PERMANENT SLOPES DURING CONSTRUCTION SO THAT WATER IS NOT ALLOWED TO FLOW OVER THE SLOPE FACE.
- THE GENERAL CONTRACTOR AND THE GRADING CONTRACTOR SHALL REVIEW THERE PROPOSED GRADING SEQUENCE TO INSURE THAT THE LEAST AMOUNT OF LAND POSSIBLE AT ANY ONE TIME IS DISTURBED WITH OUT PERMANENT STABILIZATION.
- CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE COMPLIANCE WITH ALL PERMIT REQUIREMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, INSPECTION REQUIREMENTS.

GENERAL DEMOLITION NOTES & SPECIFICATIONS:

- THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS REQUIRED TO CARRY OUT THE WORK AS SHOWN ON THE DEMOLITION PLAN.
- THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING UTILITIES PRIOR TO DEMOLITION AND EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION OF HAZARDOUS MATERIALS.
- CONTRACTOR IS RESPONSIBLE FOR ALL REGISTRATIONS, PERMITS AND FEES REQUIRED TO REMOVE AND PROPERLY DISPOSE OF ALL DEMOLITION MATERIALS.
- DEMOLITION CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVALS AND NOTIFICATIONS TO ALL LOCAL, STATE AND FEDERAL AUTHORITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION OF THE UTILITY SERVICES TO THE EXISTING STRUCTURES PRIOR TO DEMOLITION OF ANY

- BUILDINGS. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES.
- THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE, COMPACT FILL MATERIAL PER THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS INVOLVED AND IS RESPONSIBLE FOR REMOVING AND DUMPING THE DEBRIS IN AN APPROVED, LAWFUL MANNER.
 - IF NOT SHOWN ON THE DEMOLITION DRAWINGS, THE CONTRACTOR SHALL REMOVE ALL EXISTING MATERIALS AS NECESSARY TO COMPLETE ALL NEW WORK AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.
 - ALL EXISTING UTILITIES ARE TO BE REMOVED, TERMINATED AND CAPPED AT THE RIGHT-OF-WAY. ALL EXISTING METERS, VALVES, ETC. ARE TO BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 - ALL EXISTING SERVICE LINES FOR TELEPHONE, ELECTRIC, SEWER, AND CABLE TELEVISION SERVICES ARE TO BE REMOVED TO EXISTING TRUNK LINES UNLESS OTHERWISE NOTED.
 - ALL EXISTING FENCES, SIGNS, POWER POLES, AND LIGHT POLES LOCATED ON-SITE SHALL BE DEMOLISHED AND REMOVED UNLESS OTHERWISE NOTED.
 - CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INVOLVED IN THE REMOVAL OR RELOCATION OF ANY UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH APPLICABLE UTILITY COMPANIES.
 - THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO THE EXISTING ADJACENT BUSINESSES AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE WITH THE TENANT AND UTILITY COMPANY FOR THE RELOCATION AND/OR REMOVAL OF UTILITIES IF NECESSARY. SERVICES SHALL NOT BE INTERRUPTED WITHOUT APPROVAL FROM THE TENANT.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES THAT MAY HAVE UTILITIES ON THE SITE TO GET A DETERMINATION IF ANY UTILITIES EXISTING WILL BE IMPACTED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF THE UTILITIES SHOULD BE ABANDONED OR REMOVED.
 - ALL AREAS WHERE PAVEMENT, STRUCTURE SLABS, FOUNDATIONS, UTILITIES, CONDUITS, AND/OR UTILITY STRUCTURES HAVE BEEN REMOVED SHALL BE BACKFILLED WITH SELECT BACKFILL MATERIAL. ALL SELECT BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED PER THE REQUIREMENTS OF SPECIFICATIONS AND THE OWNERS GEOTECHNICAL ENGINEER.
 - EXISTING CAST IN PLACE SEPTIC TANKS (IF FOUND ON-SITE) SHALL BE PUMPED BY A LICENSED CONTRACTOR. THE SEPTIC TANK SHALL THEN BE REMOVED AND THE AREA BACKFILLED PER THE PROJECT SPECIFICATIONS UNLESS OTHERWISE NOTED. ALL WORK SHALL BE IN ACCORDANCE WITH HEALTH DEPARTMENT REQUIREMENTS.
 - CONTRACTOR IS RESPONSIBLE FOR WALKING SITE AND DETERMINING EXTENTS OF DEMOLITION WORK PRIOR TO BID DATE.
 - CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING ELECTRICAL SERVICES ON-SITE WITH THE POWER COMPANY. POWER COMPANY IS RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF EXISTING SERVICES UNLESS OTHERWISE NOTED.
 - LIMITS OF PAVEMENT SHOWN TO BE REMOVED ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY THE LIMITS OF PAVEMENT TO DETERMINE THE EXTENT OF THE EXISTING PAVEMENT TO BE REMOVED.
 - SALVAGE RIGHTS FOR ALL DEMOLISHED MATERIALS SHALL BE FIRST GIVEN TO THE OWNER. ANY MATERIALS NOT RETAINED BY THE OWNER SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
 - CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.
 - CONTRACTOR TO MAINTAIN AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING DEMOLITION OPERATIONS.
 - DRAIN, PURGE AND OTHERWISE REMOVE COLLECT AND DISPOSE OF CHEMICALS, CASES, EXPLOSIVES, ACIDS, FLAMMABLES OR OTHER DANGEROUS MATERIALS BEFORE PROCEEDING WITH DEMOLITION OPERATIONS ACCORDING TO APPLICABLE CODES OR REGULATIONS.
 - REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
 - PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
 - DO NOT BURN DEMOLISHED MATERIALS.
 - IT IS UNDERSTOOD THAT ALL ABOVE GROUND ITEMS TO BE REMOVED INCLUDE THEIR ASSOCIATED BELOW GROUND COMPONENTS (I.E. FOUNDATIONS, UTILITY CONNECTIONS, ETC.)
 - ALL TREES INSIDE THE LIMITS OF DISTURBANCE ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
 - EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED, OR RELOCATED PER PLANS. ALL COST SHALL BE INCLUDED IN BASE BID.

SITE PLAN NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS AND POLES, ETC. AS REQUIRED FOR ALL SITE IMPROVEMENTS. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH.
- EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE OWNER OR ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL AREAS INDICATED TO REMAIN UNDISTURBED OR TO REMAIN AS BUFFERS, ALL PROPERTY CORNERS, AND COORDINATION OF A REGISTERED LAND SURVEYOR TO REPLACE ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. AND ALL REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND UTILITIES WITH HIS WORK. ALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, STORM SEWER, ELECTRICAL CONDUIT, IRRIGATION SYSTEMS, AND ANY OTHER MISCELLANEOUS UTILITIES) SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL, AND THE PLACEMENT OF ANY APPROPRIATE SOIL STABILIZATION TECHNIQUE.
- CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.
- CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT.
- CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND IMPROVEMENTS SHALL BE CONSTRUCTED TO THE SAME.

DIMENSION NOTES:

- ALL BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING.
- ALL CURB DIMENSIONS ARE TO FACE OF CURB.
- ALL CURBED RADII ARE TO BE 3' AND ALL STRIPED RADII ARE TO BE 5', UNLESS OTHERWISE NOTED.

PAVING & STRIPING NOTES:

- NOTIFY OWNER 3 DAYS PRIOR TO POUR OF INITIAL SECTION OF DRIVEWAY PAVING. CLIENT REPRESENTATIVE TO APPROVE INITIAL POUR.
- TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN AGENCY, APPROVED BY THE OWNER, FOR TESTING MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE, BY THE STANDARD TESTING PROCEDURES, THAT THE WORK CONSTRUCTED MEETS THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
- ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STATE DOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES. THE CONTRACTOR SHALL REVIEW ALL TRAFFIC CONTROL DEVICES WITH DOT PRIOR TO INSTALLATION.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR PARKING STALLS, ACCESSIBLE PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING.
- SEE IRRIGATION PLANS AND MEP PLANS PRIOR TO PAVING FOR LOCATION OF PROPOSED SLEEVING AND CONDUITS. EXTRA CONDUIT SHALL BE PLACED UNDER DRIVEWAYS FOR FUTURE USE.
- ALL ACCESSIBLE RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 2010.
- CONTRACTOR TO SUBMIT A POURING PLAN TO THE CONSTRUCTION MANAGER PRIOR TO THE BEGINNING OF ANY PAVING WORK.
- PAVING CONTRACTOR TO COORDINATE WITH BUILDING CONTRACTOR ON THE CONSTRUCTION AND PAVING NEAR THE SCREENING WALLS AND THE DUMPSTER PADS.
- ALL DISCREPANCIES FOUND BY CONTRACTOR RELATED TO UNDERGROUND UTILITIES OR OTHER APPURTENANCES SHALL BE RESOLVED TO THE SATISFACTION OF OWNER AND ENGINEER PRIOR TO PLACEMENT OF ANY PAVING. CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM THE PROPOSED BUILDINGS AND NO POUDING IN SUBGRADE OF AREAS TO BE PAVED, AND NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE FOUND PRIOR TO INSTALLATION OF ANY PAVING.
- EXISTING MANHOLE TOPS, VALVE BOXES, ETC. TO REMAIN ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES. IF NECESSARY, RE-ADJUSTMENTS SHALL BE PERFORMED UPON COMPLETION OF PAVING AND FINE GRADING TO ENSURE A SMOOTH TRANSITION.
- ALL JOINTS SHALL EXTEND THROUGH THE CURB.
- COMPACTION SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
- ALL PAVEMENT TO BE SLOPED FOR POSITIVE DRAINAGE.
- ALL RIGHT-OF-WAY STRIPING SHALL BE THERMOPLASTIC.
- ALL PAINT STRIPING SHALL BE APPLIED IN TWO EQUAL COATS TO A TOTAL THICKNESS OF 15 MILS.

GRADING PLAN NOTES:

- EXISTING CONTOURS INTERVAL IS SHOWN AT ONE FOOT (1').
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY OWNER AND/OR ENGINEER OF ANY UTILITY CONFLICTS WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
- CLEARING AND GRUBBING LIMITS SHALL INCLUDE ALL AREAS DISTURBED BY GRADING OPERATIONS. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UNDISTURBED AREAS, ALL PROPERTY CORNERS, AND COORDINATION OF A REGISTERED LAND SURVEYOR TO REPLACE ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.
- EXISTING DRAINAGE STRUCTURES TO REMAIN ARE TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILTS AND DEBRIS.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. AND ALL REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- ALL UN-SURFACED AREAS DISTURBED BY GRADING OPERATIONS SHALL RECEIVE FOUR INCHES (4") OF TOPSOIL, SEED, MULCH, WATER, ETC. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH THE LANDSCAPE PLAN AND CITY/COUNTY SPECIFICATIONS UNTIL HEALTHY STAND OF GRASS IS OBTAINED.
- PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
- CONTRACTOR SHALL TRIM, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
- REFERENCE STRUCTURAL SPECIFICATIONS AND GEOTECHNICAL REPORT FOR BUILDING PAD PREPARATION AND COMPACTION.
- CONTRACTOR TO REVIEW BORING LOGS PROVIDED BY THE CLIENT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING AND COVERS.
- EXISTING MANHOLE TOPS, VALVE BOXES, ETC. TO REMAIN ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES. IF NECESSARY, RE-ADJUSTMENTS SHALL BE PERFORMED UPON COMPLETION OF PAVING AND FINE GRADING TO ENSURE A SMOOTH TRANSITION.
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING AND FOR ALL NATURAL AND PAVED AREAS.
- ALL RETAINING WALLS TO BE PROTECTED DURING BACKFILL BY CONTRACTOR. THIS INCLUDES BUT IS NOT LIMITED TO, PROVIDING AND INSTALLING PROPER BRACING DURING BACKFILL BEING PLACES ADJACENT TO RETAINING WALLS.

STORM DRAINAGE NOTES:

- ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE SEALED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- REFERENCE DETAIL SHEETS FOR STORM WATER DETAILS.
- THE CONTRACTOR SHALL SUBMIT BUOYANCY CALCULATIONS ON ALL RUNS OF PIPE THAT DO NOT UTILIZE CONCRETE PIPE. BUOYANCY CALCULATIONS SHALL BE PREPARED, SIGNED, AND SEALED BY A REGISTERED ENGINEER. SHALL REPRESENT ACTUAL FIELD CONDITIONS, AND SHALL DEMONSTRATE THAT THE PIPE UTILIZED WILL NOT BECOME BUOYANT UNDER ANY CONDITIONS. THE CONTRACTOR MAY ELECT TO PROVIDE A RESTRAINING SYSTEM, DESIGNED BY A REGISTERED ENGINEER, ADEQUATE TO RESIST BUOYANT FORCES WHERE NECESSARY.

UTILITY NOTES:

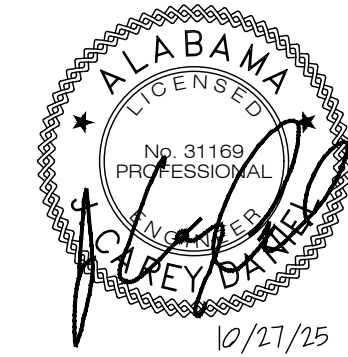
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES (ABOVE AND BELOW GROUND) AS SHOWN ON THE THESE PLANS IS BASED ON RECORD ON EITHER THE VARIOUS UTILITY COMPANIES, VISUAL OBSERVATIONS AT THE SITE, EXISTING SURVEYS AND/OR WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES (ABOVE AND BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST FORTY-EIGHT HOURS (48 HRS) BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY

- OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO REMOVE OR RELOCATE WHEN APPLICABLE, ALL EXISTING BUILDINGS, FOUNDATIONS, AND CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPE, POWER POLES AND GUY WIRES, WATER METERS AND WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, AND ASPHALT. SHOWN AND NOT SHOWN, WITHIN CONSTRUCTION LIMITS AND WHERE NEEDED, TO ALLOW FOR FILL MATERIAL, UNLESS OTHERWISE DENOTED, TO BE REMOVED AS UNCLASSIFIED EXCAVATION.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
 - CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, AND TELEPHONE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH CITY UTILITY REQUIREMENTS AS TO LOCATIONS AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING EXISTING FACILITIES.
 - CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY, & TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER AND TELEPHONE SERVICE TO BUILDING.
 - SEE DETAIL SHEETS FOR BACKFILLING AND COMPACTION REQUIREMENTS ON UTILITY TRENCHES.
 - CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE PERFORMANCE CRITERIA FOR OSHA.
 - CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ASSURE PROPER DEPTH AND PREVENT ANY CONFLICT OF UTILITIES.
 - THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS TEN (10) FEET. OR MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER AND SEWER LINE IS EIGHTEEN (18) INCHES.
 - CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
 - CONTRACTOR SHALL ON ALL UTILITIES, COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
 - THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND OWNERS INSPECTING AUTHORITIES.
 - SITE CONTRACTOR TO COORDINATE PROPOSED RECONNECTION OF ALL UTILITIES WITH ARCHITECTURAL PLANS AS WELL AS UTILITY COMPANIES AND BUILDING CONTRACTOR. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL EXPENSES THAT RESULT FROM DELAYED OR FAILED TEST DURING ANY PHASE OF THE CONSTRUCTION PROCESS. THIS INCLUDES FEES INCURRED THROUGH RESCHEDULING OF ANY EQUIPMENT TO ACCOMMODATE.
 - ALL WATER AND SANITARY SEWER CROSSINGS TO BE PERPENDICULAR WITH A FULL STICK OF DUCTILE IRON PIPE IN THE SEWER LINES AT THE CROSSING OR AS INDICATED ON THE PLANS.
 - CONTRACTOR TO COORDINATE WITH SIGNAGE CONTRACTOR AND ARCHITECT FOR EXACT LOCATION OF SIGNAGE, REQUIRED ELECTRICAL CONDUITS, FOUNDATIONS, ETC.
 - CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.

GENERAL REQUIREMENTS

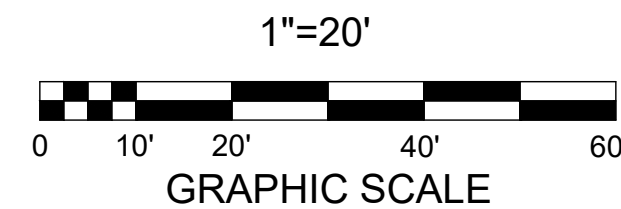
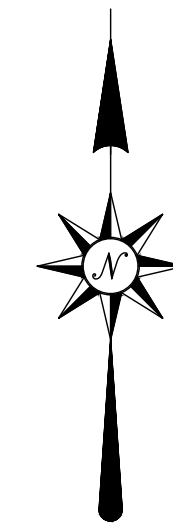
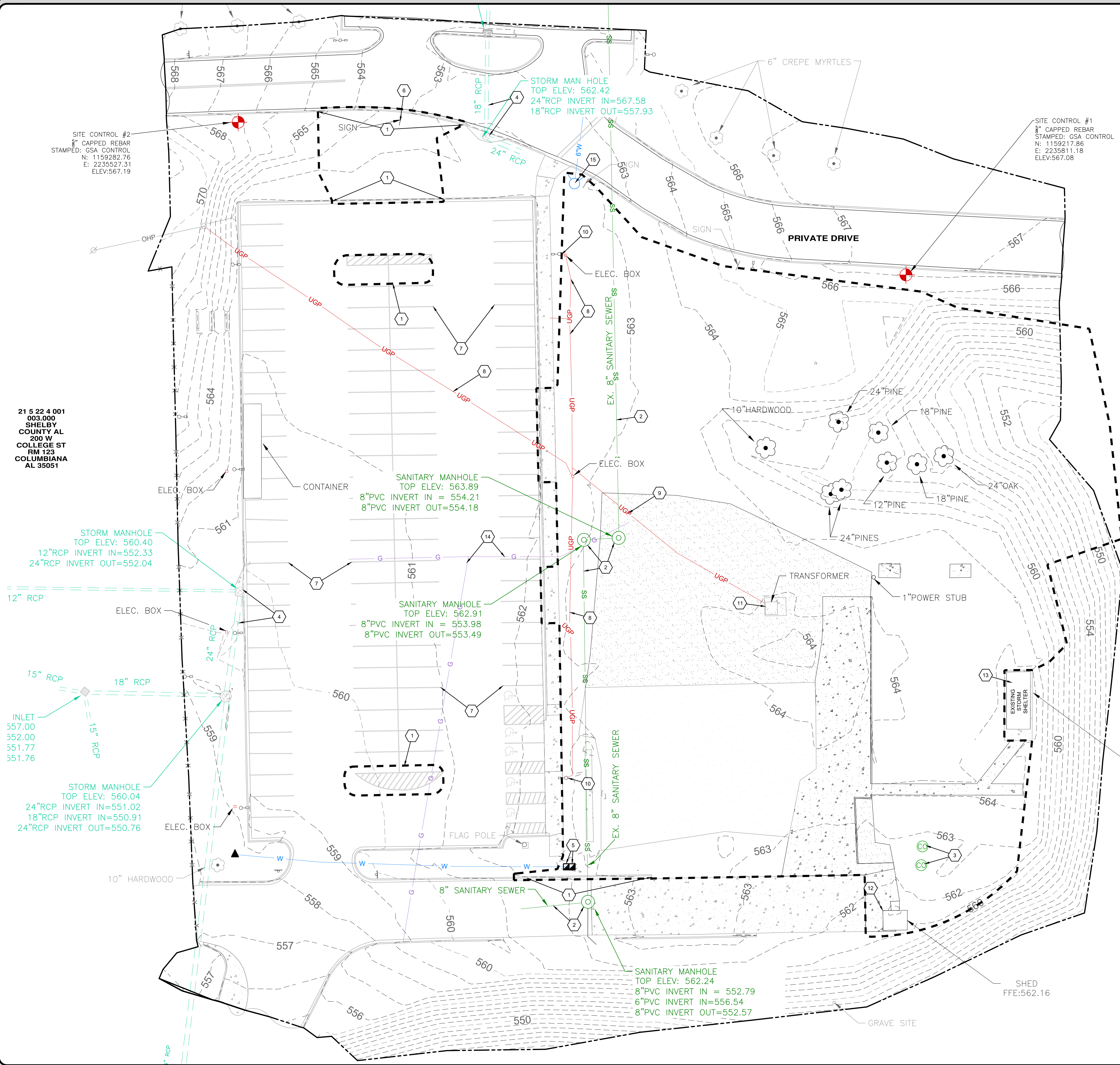
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1550 WOODS OF RIVERCHASE DRIVE SUITE 200
BIRMINGHAM, AL 35244
PHONE: (205) 942-2464
WWW.GONZALEZ-STRENGTH.COM
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DEMOLITION LEGEND

- LIMITS OF DEMOLITION/DISTURBANCE, +/- 1.47 ACRES. SEE NOTES 2 AND 3 BELOW.
- SAWCUT & REMOVE EXISTING PAVING AND/OR CURBING AS REQUIRED ALONG LIMITS OF DISTURBANCE TO INSTALL PROPOSED IMPROVEMENTS, (TYP.) PROVIDE CLEAN SMOOTH JOINT & TRANSITION AND ENSURE POSITIVE DRAINAGE, (TYP.)
 - EXISTING SANITARY SEWER MAIN IMPROVEMENTS TO REMAIN.
 - EXISTING SANITARY SEWER IMPROVEMENTS TO BE REMOVED.
 - EXISTING STORM DRAINAGE IMPROVEMENTS TO REMAIN. (TYP)
 - EXISTING WATER SERVICES TO BE REMOVED AT METER. METER TO REMAIN IN PLACE. (TYP)
 - EXISTING SIGN TO BE RELOCATED. COORDINATE WITH SHELBY COUNTY ON LOCATION.
 - EXISTING PARKING STRIPES TO BE REMOVED AND RE-STRIPED.
 - EXISTING UNDERGROUND POWER IMPROVEMENTS TO BE ABANDONED IN PLACE. (TYP)
 - EXISTING UNDERGROUND POWER SERVICE TO BUILDING TO BE REMOVED. (TYP)
 - EXISTING LIGHT POLES AND BASES TO BE REMOVED. (TYP)
 - EXISTING TRANSFORMER TO BE REMOVED/RELOCATED. COORDINATE WITH ELECTRICAL ENGINEER AND ALABAMA POWER FOR REQUIREMENTS. (TYP)
 - EXISTING SHED TO BE REMOVED.
 - EXISTING STORM SHELTER TO REMAIN.
 - EXISTING GAS IMPROVEMENTS TO BE ABANDONED IN PLACE. TERMINATE AND REMOVE SERVICE AT LIMITS OF DISTURBANCE.
 - EXISTING HYDRANT TO BE REMOVED. SEE UTILITY PLAN FOR MORE INFORMATION.

- NOTES:**
- EXISTING PARKING LOT TO BE MILLED/OVERLAYED AND RE-STRIPED AS PART OF ADD ALTERNATE OPTIONS. SEE SITE PLAN FOR ALTERNATES AND ADDITIONAL INFORMATION.
 - SITE CLEARING, TREE REMOVAL, AND ALL CLEARING/GRUBBING TO BE DONE BY OWNER.
 - LIGHT POLE BASES AND SITE CONCRETE TO BE REMOVED (WHERE SHOWN) BY OWNER.

NOTE: AS A FIRST ORDER OF BUSINESS AND PRIOR TO ANY WORK BEGINNING, THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES ON AND ADJACENT TO THE SITE LOCATED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE LOCATIONS OF THE UTILITIES AND AVOID ALL CONFLICTS. ANY SERVICE INTERRUPTIONS AND/OR ASSOCIATED COSTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE EXISTING UTILITIES SHOWN HEREIN ARE TO BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL RELOCATE ANY EXISTING UTILITY WHICH CONFLICTS WITH THE IMPROVEMENTS SHOWN. THE CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS WITH THE APPROPRIATE UTILITIES COMPANIES. ALL IMPROVEMENTS SHALL MEET THE REQUIREMENTS OF EACH COMPANY'S STANDARDS OR SPECIFICATIONS.



Know what's below
Call before you dig

REFER TO SURVEY FOR
EXISTING CONDITIONS LEGEND

REFER TO SHEET C001 FOR
ADDITIONAL NOTES APPLICABLE
TO THE WORK SHOWN ON THIS
PLAN

REVISIONS		DATE
NO.	DESCRIPTION	
0		
1		
2		
3		
4		

SITE DEMOLITION PLAN

SHELBY COUNTY EMA/IT BLDG.
MCDOW ROAD
COLUMBIANA, AL

STEPHEN COKER ARCHITECT, LLC
1000 14TH AVENUE
BIRMINGHAM, AL

GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL & TRANSPORTATION ENGINEERING - LAND SURVEYING - LAND PLANNING
LANDSCAPE ARCHITECTURE - PIPELINE ENGINEERING & SURVEYING
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
FARMINGDALE, AL 36688
PHONE: (205) 942-2466
WWW.GONZALEZ-STRENGTH.COM

an **LFA** company

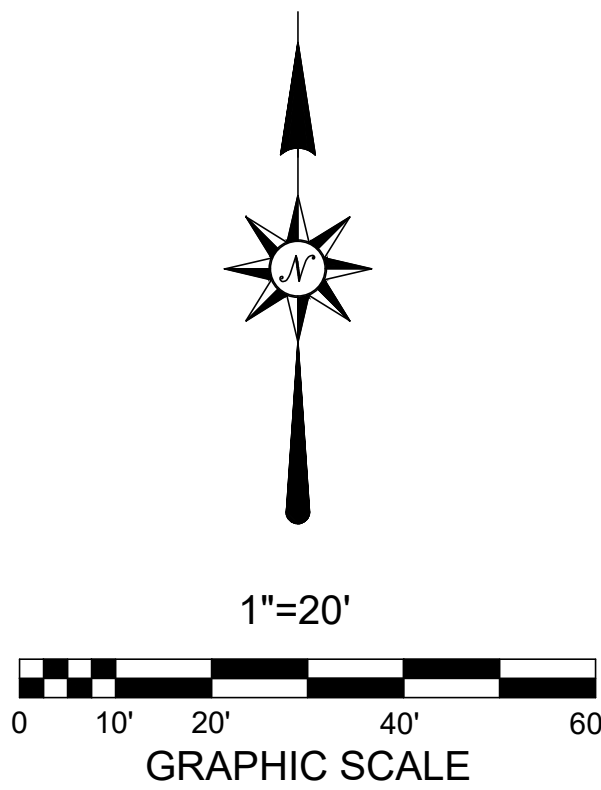
ALABAMA
LICENSED
PROFESSIONAL
SURVEYOR
No. 31169
JOE V. GONZALEZ
10/27/25

DWG. NO.
C100 R 0
PROJECT
25-0406

21 5 22 4 001
003.000
SHELBY
COUNTY AL
200 W
COLLEGE ST
RM 123
COLUMBIANA
AL 35051

SITE CONTROL #2
8" CAPPED REBAR
STAMPED: GSA CONTROL
N: 1159282.76
E: 2235527.31
ELEV: 567.19

SITE CONTROL #1
8" CAPPED REBAR
STAMPED: GSA CONTROL
N: 1159217.86
E: 2235811.18
ELEV: 567.08



LAYOUT LEGEND (BASE BID)

- 1 24" SOLID WHITE STOP BAR REQ'D. SEE DETAILS.
- 2 R1-1 STOP SIGN REQ'D. SEE DETAILS.
- 3 ACCESSIBLE RAMP REQ'D. SEE DETAILS.
- 4 TIE PROPOSED PAVEMENT IMPROVEMENTS TO EXISTING PAVEMENT IMPROVEMENTS. MATCH GRADE, PROVIDE SMOOTH TRANSITION, AND ENSURE POSITIVE DRAINAGE. NO PONDING OF WATER, (TYP).
- 5 18" CURB AND GUTTER REQ'D. (TYP). SEE DETAILS.
- 6 TIE TO EXISTING CURB & PROVIDE SMOOTH TRANSITION, (TYP).
- 7 STANDARD DUTY ASPHALT PAVEMENT REQ'D, (TYP). SEE DETAILS.
- 8 CONCRETE SIDEWALK REQUIRED. SEE DETAILS.
- 9 STANDARD DUTY CONCRETE PAVEMENT REQ'D. (TYP). SEE DETAILS.
- 10 20-LF DOUBLE YELLOW STRIPING REQ'D.
- 11 SIDEWALK WITH TURNDOWN EDGE REQ'D.
- 12 SITE LIGHTING IMPROVEMENTS SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL PLANS FOR EXACT LOCATIONS.
- 13 30" NYLOPLAST DRAIN BASIN SHOWN FOR REFERENCE ONLY. SEE C300.
- 14 4" THICK, 3,000 PSI MIN. CONCRETE AROUND DRAIN BASIN.
- 15 CONCRETE TRANSFORMER PAD SHOWN FOR REFERENCE ONLY. SEE UTILITY PLAN AND ELECTRICAL DRAWINGS.

ADD ALTERNATE #1 - PROPOSED PARKING LOT.

LAYOUT LEGEND (ADD ALTERNATE #1)

- 1A STANDARD DUTY ASPHALT PAVEMENT REQ'D, (TYP). SEE DETAILS. (ADD ALT #1)
- 2A 18" CURB & GUTTER, TYP. SEE DETAILS. (ADD ALT #1)
- 3A 4" WHITE PARKING PAINT STRIPES. (ADD ALT #1)
- 4A 2' WIDE CONCRETE FLUME REQ'D. SEE DETAILS. (ADD ALT #1)
- 5A TIE TO EXISTING CURB & PROVIDE SMOOTH TRANSITION, (TYP). (ADD ALT #1)
- 6A 20-LF DOUBLE YELLOW STRIPING REQ'D. (ADD ALT #1)
- 7A 24" SOLID WHITE STOP BAR REQ'D. SEE DETAILS. (ADD ALT #1)
- 8A R1-1 STOP SIGN REQ'D. SEE DETAILS. (ADD ALT #1)
- 9A SITE LIGHTING IMPROVEMENTS SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL PLANS FOR EXACT LOCATIONS. (ADD ALT #1)
- 10A WHEEL STOPS REQ'D. SEE DETAILS. (ADD ALT #1)

ADD ALTERNATE #2 - EXISTING PARKING LOT PAVEMENT REPAIR.

LAYOUT LEGEND (ADD ALTERNATE #2)

- 1B CUT AND PATCH ASPHALT PAVING REQ'D. (MILLING AND REMOVAL OF EXISTING ASPHALT TO A MINIMUM OF 4" DEPTH AND REPLACEMENT ASPHALT BINDER). APPROX. PARKING LOT PATCHING AREA: 700 SY. (ADD ALT #2)

ADD ALTERNATE #3 - EXISTING PARKING LOT WEARING SURFACE AND STRIPING.

LAYOUT LEGEND (ADD ALTERNATE #3)

- 1C MILLING AND REMOVAL OF EXISTING ASPHALT TO INCLUDE MILLING AT THE EDGE OF EXISTING GUTTERS, AND PLACING 1.5" THICK, 0.5" AGGREGATE WEARING SURFACE. (ADD ALT #3)
- 2C DIRECTIONAL ARROWS REQ'D. SEE DETAILS. (ADD ALT #3)
- 3C DELETED.
- 4C ACCESSIBLE SIGN, SYMBOL, AND AISLE REQ'D. (TYP). SEE DETAILS. (ADD ALT #3)
- 5C 4" WHITE PARKING PAINT STRIPES. (ADD ALT #3)

REFER TO SURVEY FOR
EXISTING CONDITIONS LEGEND

REFER TO SHEET C001 FOR
ADDITIONAL NOTES APPLICABLE
TO THE WORK SHOWN ON THIS
PLAN



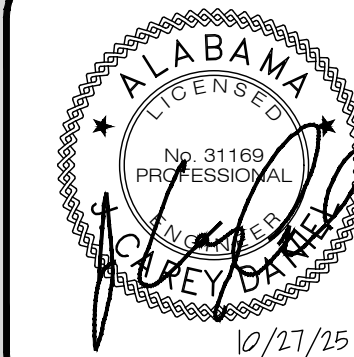
Know what's below
Call before you dig

NOTE: AS A FIRST ORDER OF BUSINESS AND PRIOR TO ANY WORK BEGINNING, THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES ON AND ADJACENT TO THE SITE LOCATED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE LOCATIONS OF THE UTILITIES AND AVOID ALL CONFLICTS. ANY SERVICE INTERRUPTIONS AND/OR ASSOCIATED COSTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE EXISTING UTILITIES SHOWN HEREIN ARE TO BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL RELOCATE ANY EXISTING UTILITY WHICH CONFLICTS WITH THE IMPROVEMENTS SHOWN. THE CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS WITH THE APPROPRIATE UTILITIES COMPANIES. ALL IMPROVEMENTS SHALL MEET THE REQUIREMENTS OF EACH COMPANY'S STANDARDS OR SPECIFICATIONS.

SITE LAYOUT & DIMENSION PLAN

SHELBY COUNTY EMA/IT BLDG.
MCDOW ROAD
COLUMBIANA, AL
STEPHEN COKER ARCHITECT, LLC
BIRMINGHAM, AL

GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL & TRANSPORTATION ENGINEERING - LAND SURVEYING - LAND PLANNING
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BIRMINGHAM, AL 35244
PHONE: (205) 942-2466
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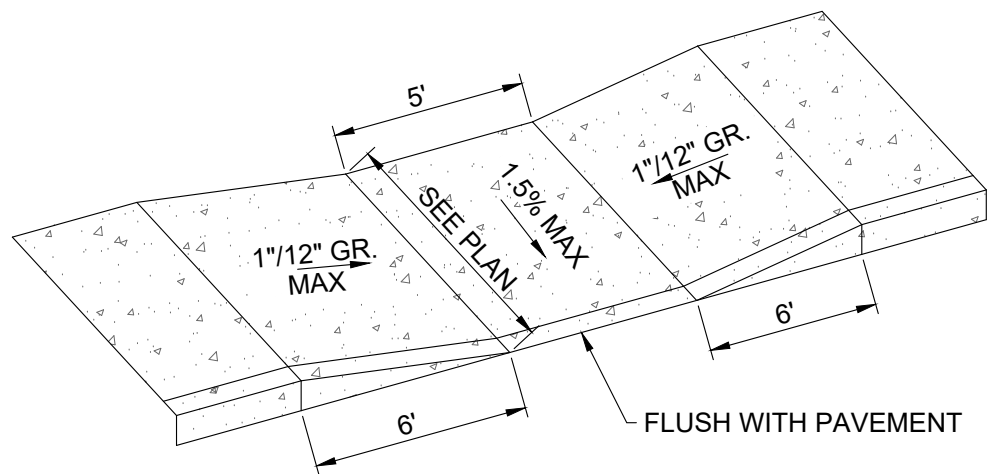


10/27/25

DWG. NO.
C200 R 0
PROJECT
25-0408

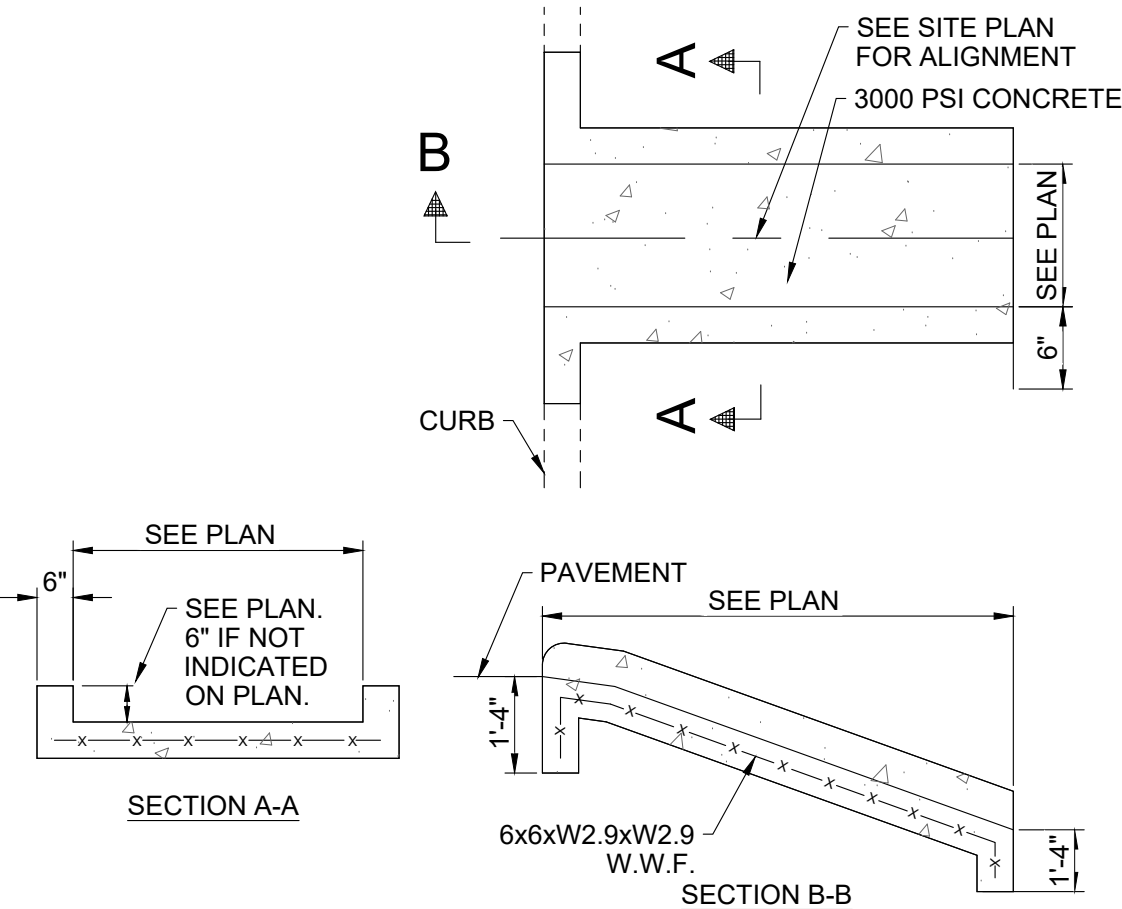
NOT VALID UNLESS SIGNED AND SEALED

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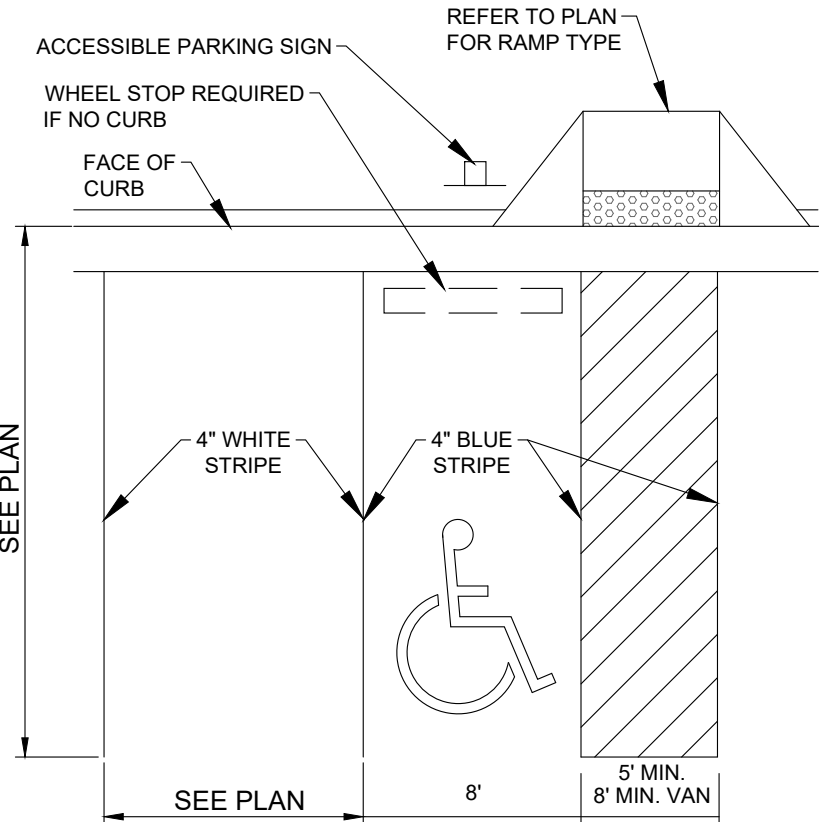
ACCESSIBLE RAMP DETAIL

N.T.S.



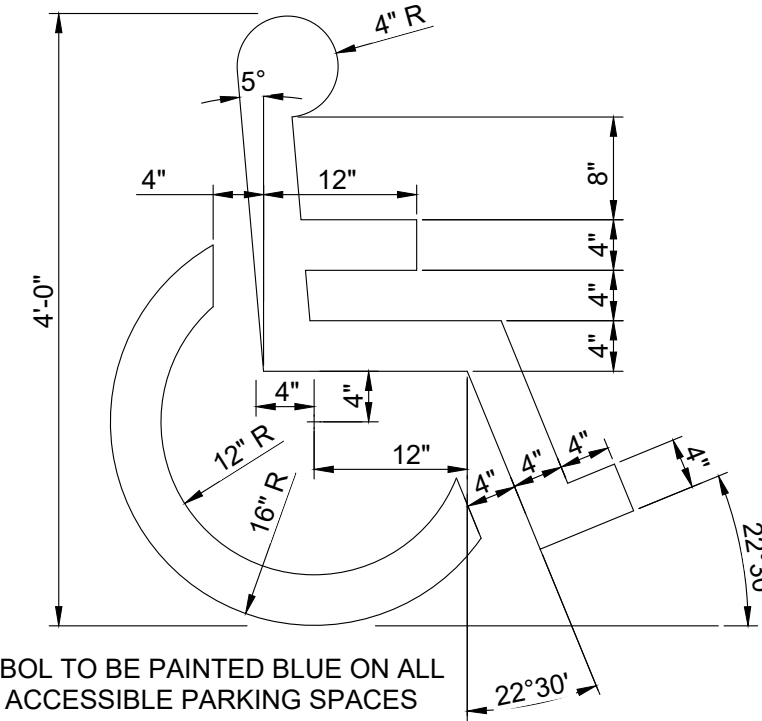
CONCRETE FLUME AT CURB DETAIL

N.T.S.



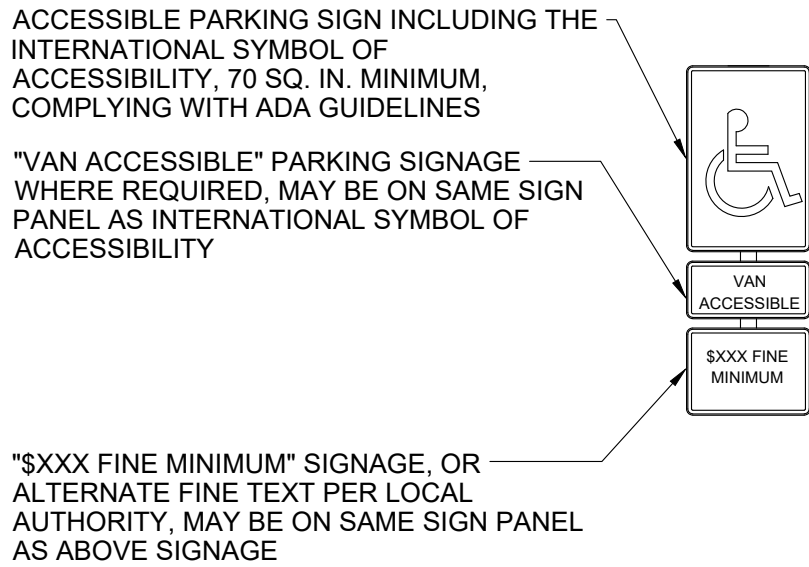
ACCESSIBLE PARKING DETAIL

N.T.S.



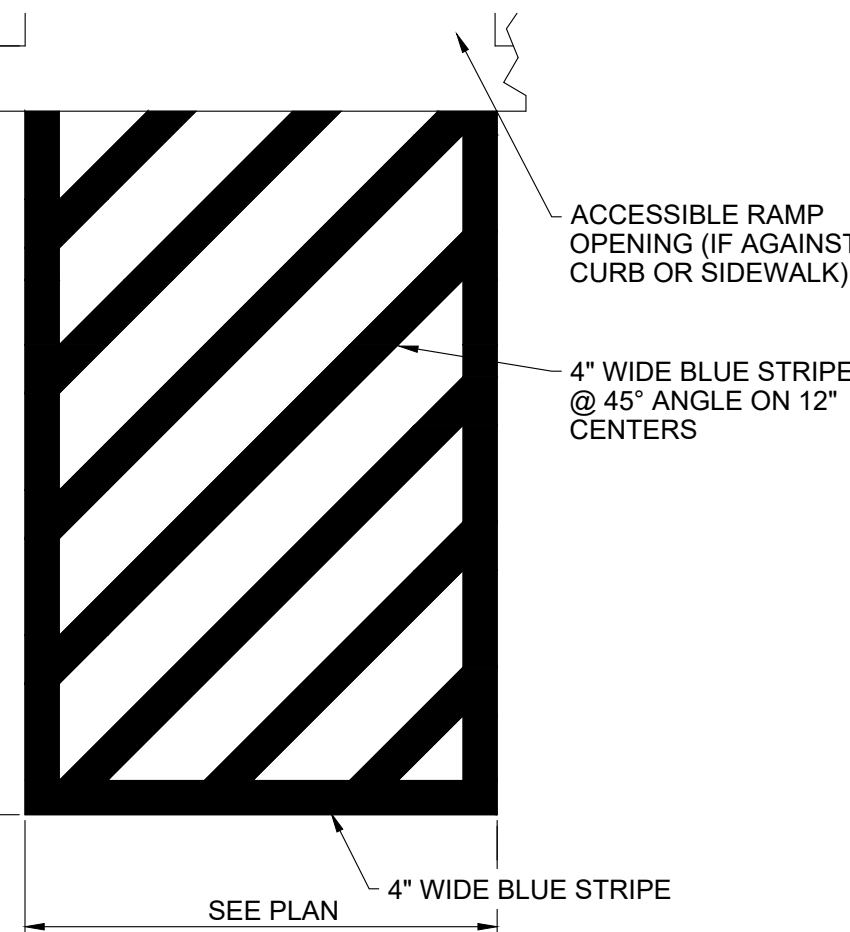
ACCESSIBLE SYMBOL DETAIL

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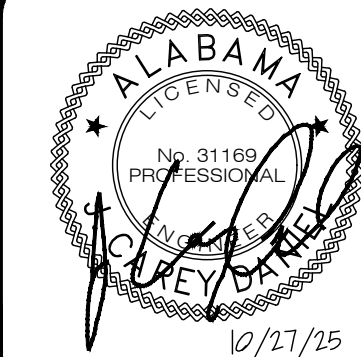
ACCESSIBLE SIGN DETAIL

N.T.S.



ACCESSIBLE AISLE DETAIL

N.T.S.



DWG NO.
C250 R 0
PROJECT
25-0406

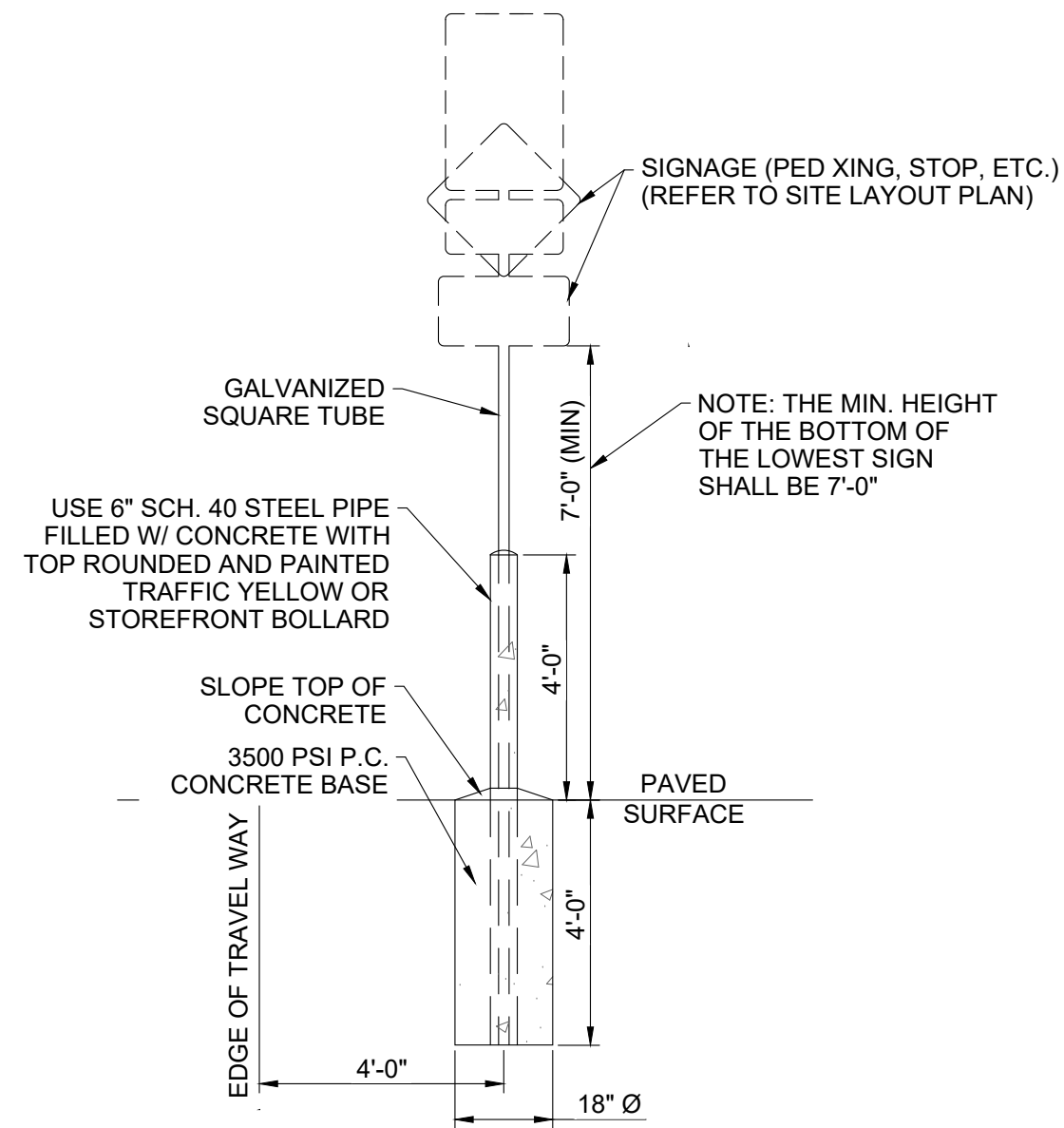
GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL & TRANSPORTATION ENGINEERING - LAND SURVEYING - LAND PLANNING
LANDSCAPE ARCHITECTURE - PIPELINE ENGINEERING & SURVEYING
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
BIRMINGHAM, AL 35244
PHONE: (205) 942-2466
WWW.GONZALEZ-STRENGTH.COM

an **LHA** company
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SITE SECTIONS & DETAILS

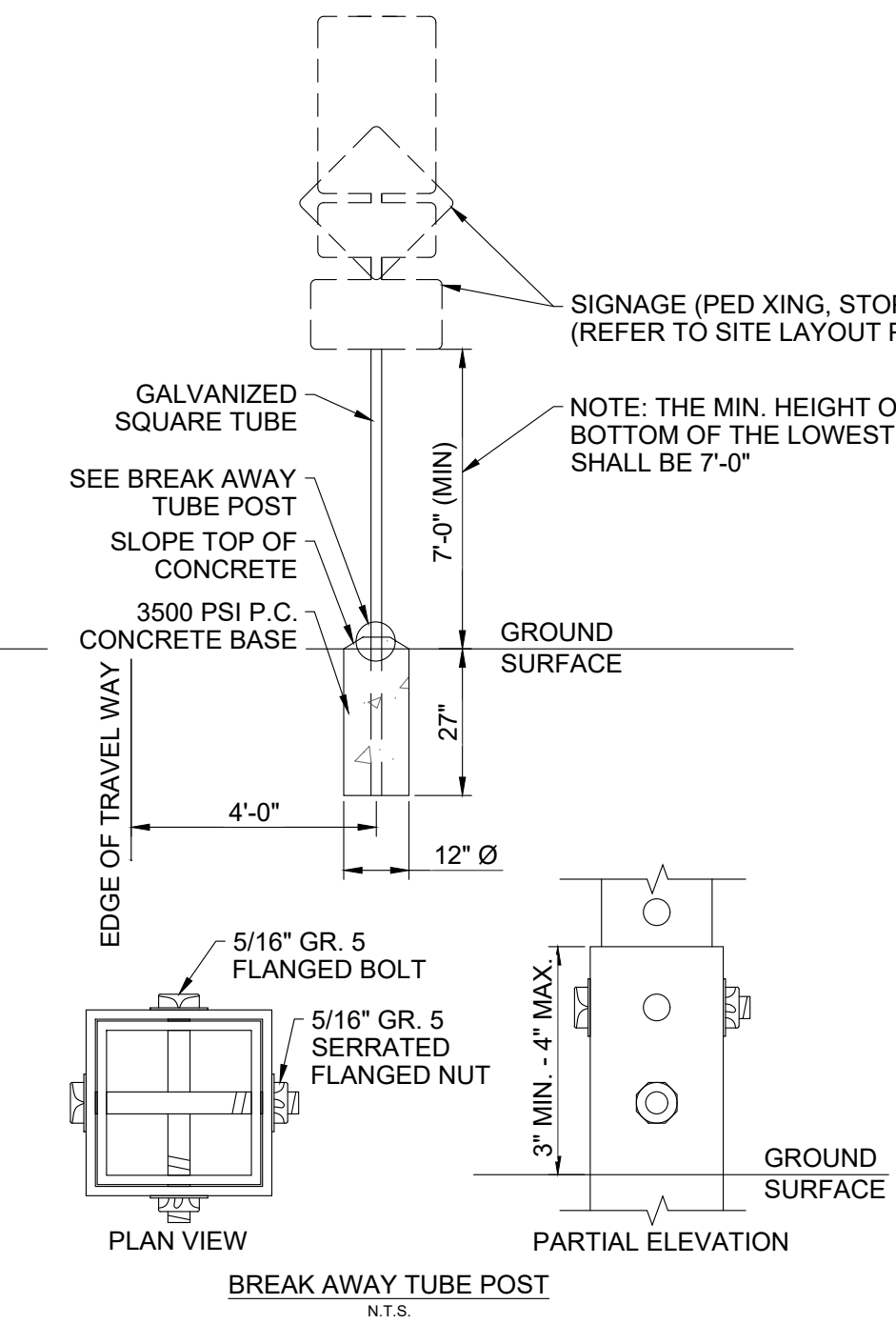
SHELBY COUNTY EMA/IT BLDG.
MCODOW ROAD
COLUMBIANA, AL
STEPHEN COKER ARCHITECT, LLC
BIRMINGHAM, AL

NO.	REVISIONS DESCRIPTION	DATE
0		
1		
2		
3		
4		



- NOTES:
- ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - GALVANIZED SQUARE TUBE
POST TUBES - 2"x2"x3/16" 14ga
POST TUBE SHALL MEET ASTM A1011 GRADE 50.
POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.

SIGN MOUNTING AND BASE WITH BOLLARD (USE WHERE SIGN IS NOT WITHIN CURBED ISLAND)

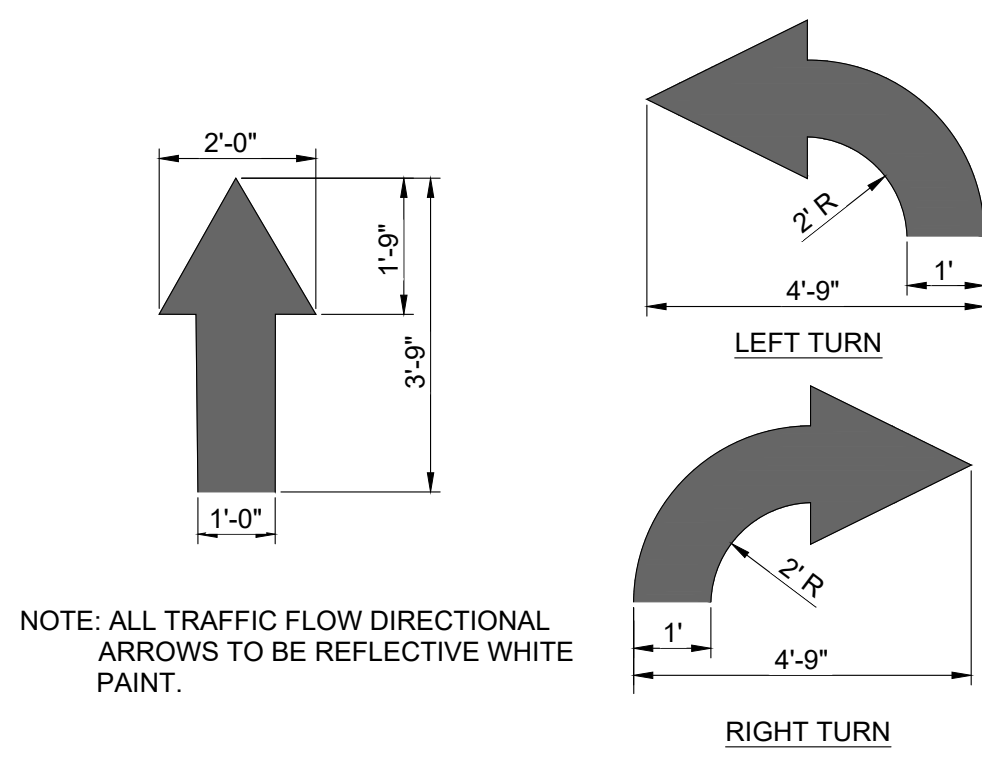


- NOTES:
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 - GALVANIZED SQUARE TUBE
POST TUBES - 2"x2"x3/16" 14ga
POST TUBE SHALL MEET ASTM A1011 GRADE 50.
POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.

ANCHOR TUBE - 2-1/4"x2-1/4"x3/16" 14ga HEAVY DUTY ANCHOR TUBE SHALL MEET ASTM A500 GRADE B. STRUCTURAL TUBE AND STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123.

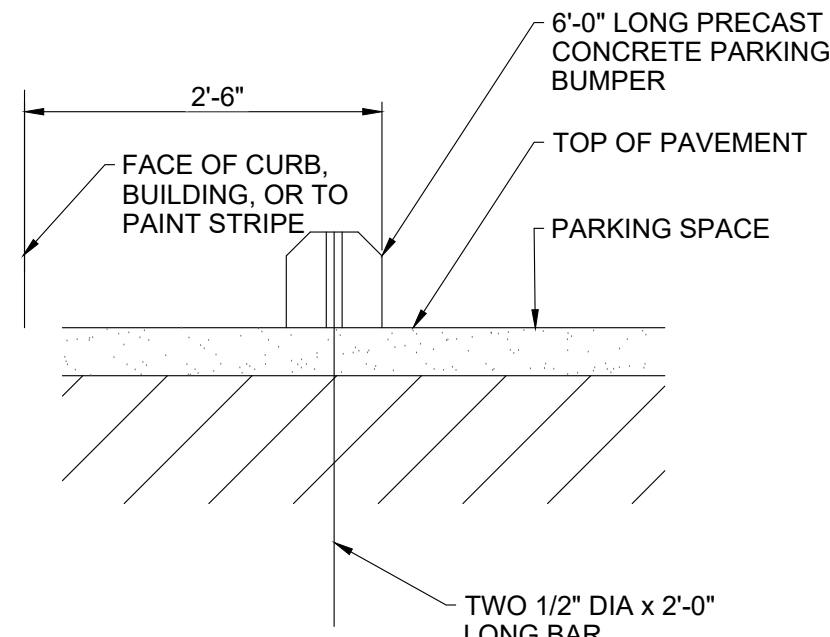
THE UPPER SIGN POST SHALL TELESCOPE INSIDE THE ANCHOR TUBE A MINIMUM OF 12". THE ANCHOR TUBE SHALL BE A MINIMUM 27" DEEP WITH 3" MIN. 4" MAX. EXPOSED ABOVE FINISH GRADE.

SIGN MOUNTING AND BASE WITHOUT BOLLARD (USE WHERE SIGN IS WITHIN CURBED ISLAND)



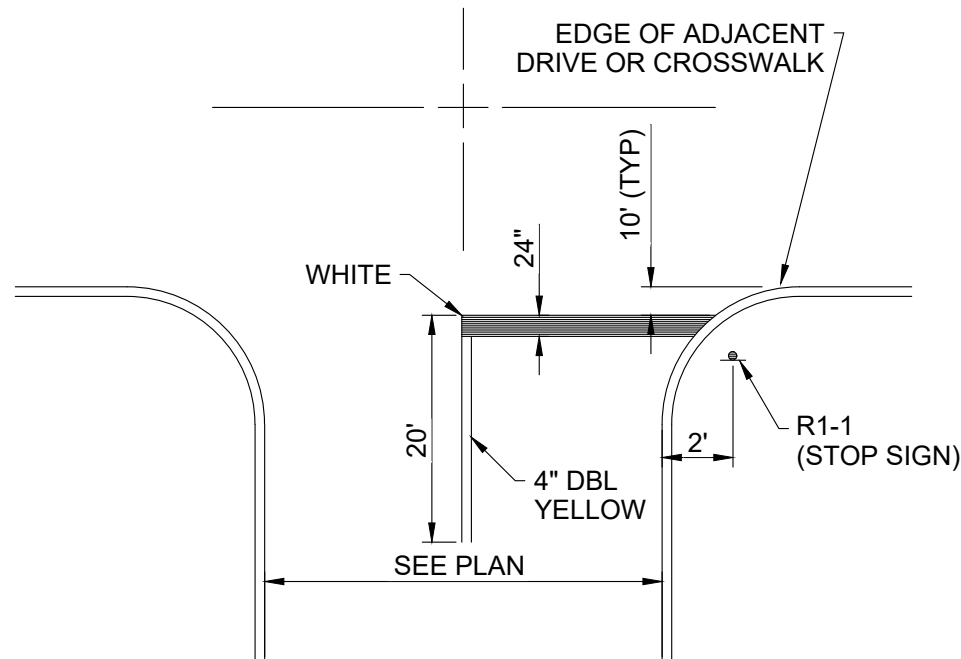
DIRECTIONAL ARROWS DETAIL

N.T.S.



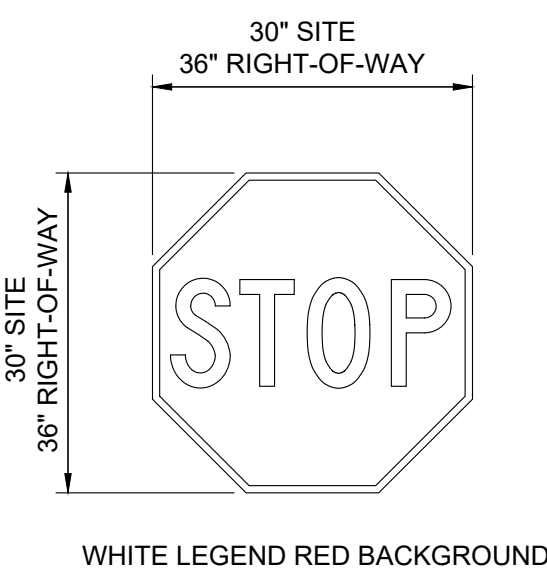
WHEEL STOP DETAIL

N.T.S.



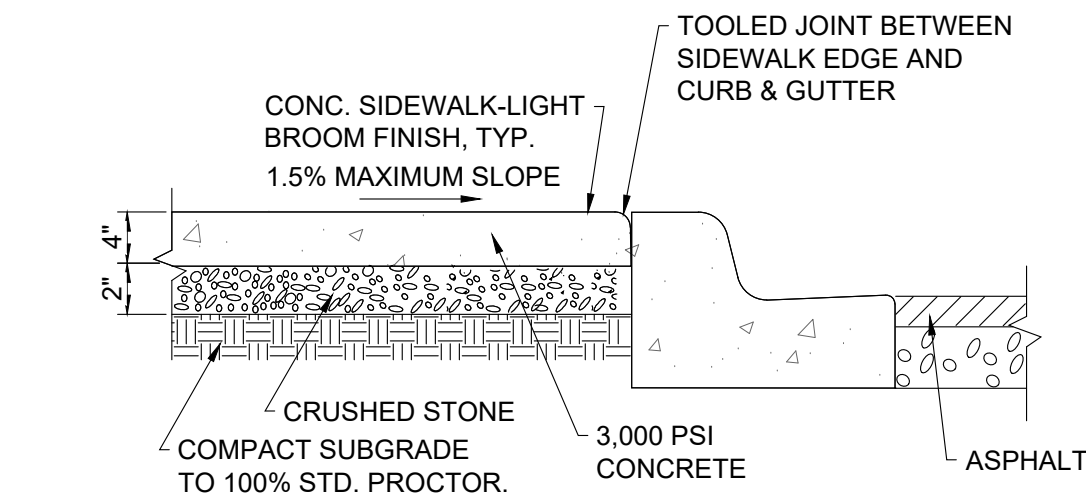
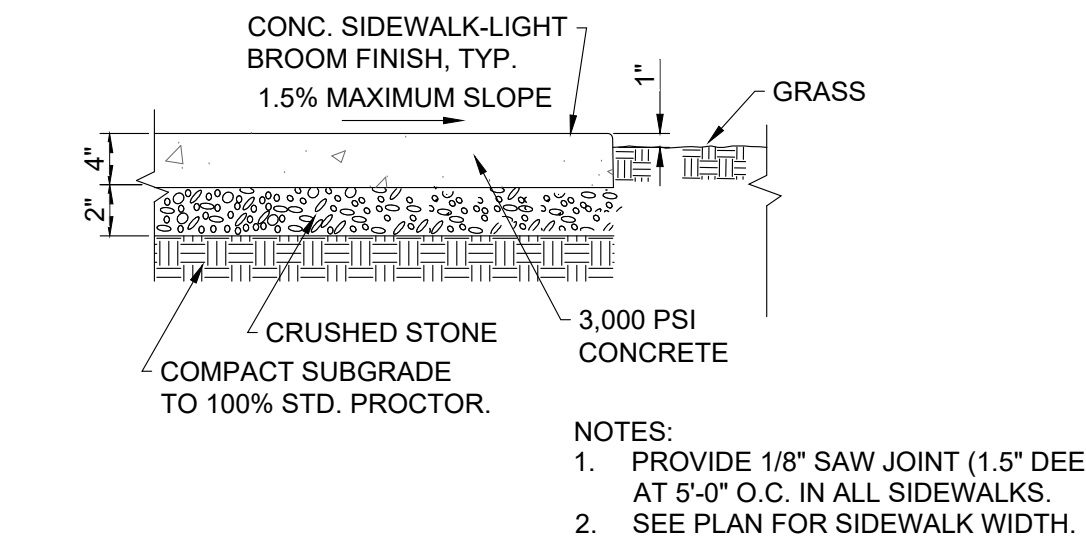
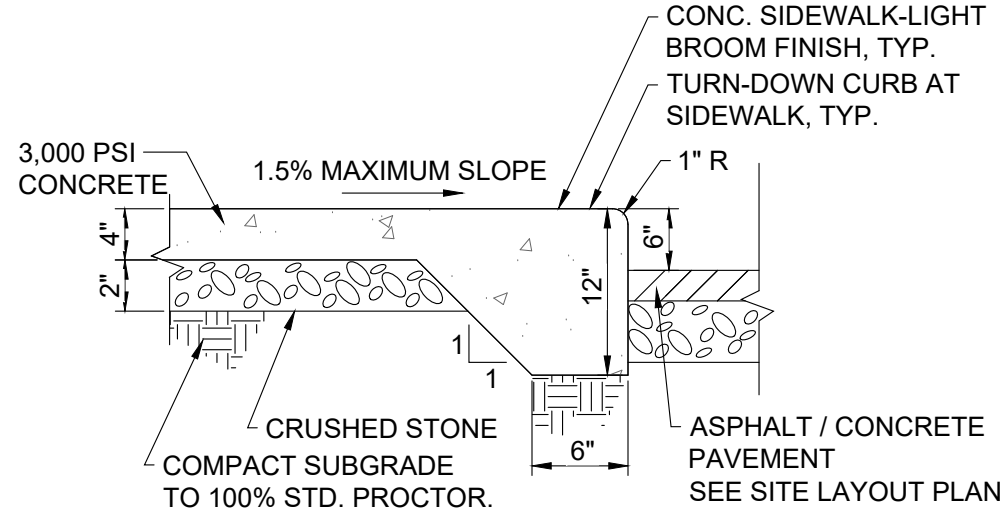
STOP BAR STRIPING DETAIL

N.T.S.



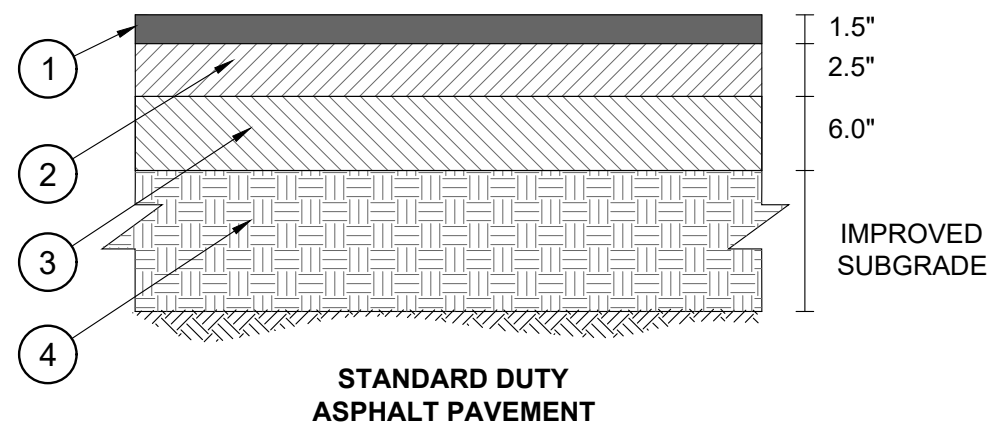
STOP SIGN DETAIL

N.T.S.



CONCRETE SIDEWALK DETAIL

N.T.S.

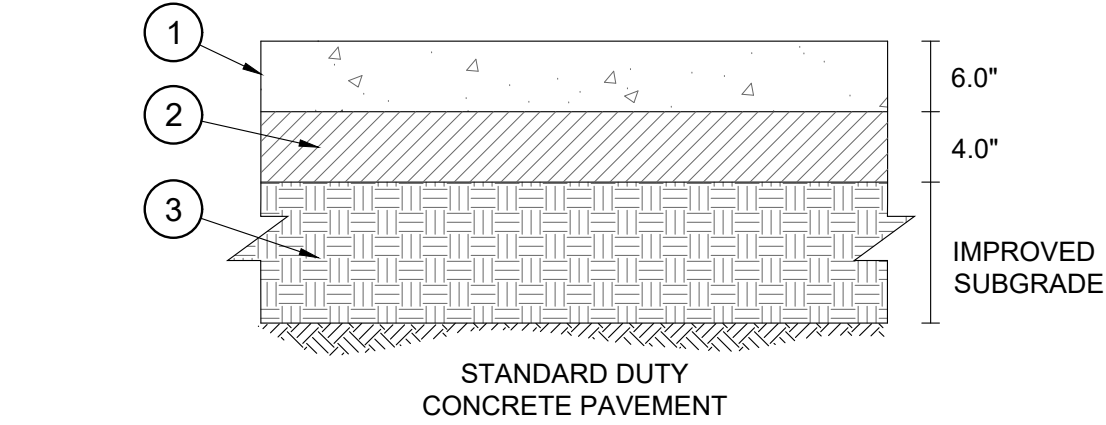


- ASPHALTIC CONCRETE WEARING SURFACE, ALDOT SECTION 424-A, 1/2" MAX. AGGREGATE SIZE.
- ASPHALTIC CONCRETE BINDER COURSE, ALDOT SECTION 424-B, 1" MAX. AGGREGATE SIZE.
- CRUSHED AGGREGATE BASE COURSE, TYPE B, ALDOT SECTION 825, COMPACTED TO 100% (MODIFIED AASHTO T-180, METHOD D)
- COMPACT THE UPPER 18" OF SUBGRADE IN FILL AREAS AND THE UPPER 12" IN CUT AREAS TO 98% OF THE SOIL'S MAXIMUM STANDARD PROCTOR DENSITY VALUE (ASTM D-698) AND 95% OF THE SOIL'S MAXIMUM STANDARD PROCTOR DENSITY VALUE BELOW THIS LEVEL.

NOTES:
1. ASPHALT PAVEMENT RECOMMENDATIONS PROVIDED BY SHELBY COUNTY

ASPHALT PAVEMENT DETAIL

N.T.S.

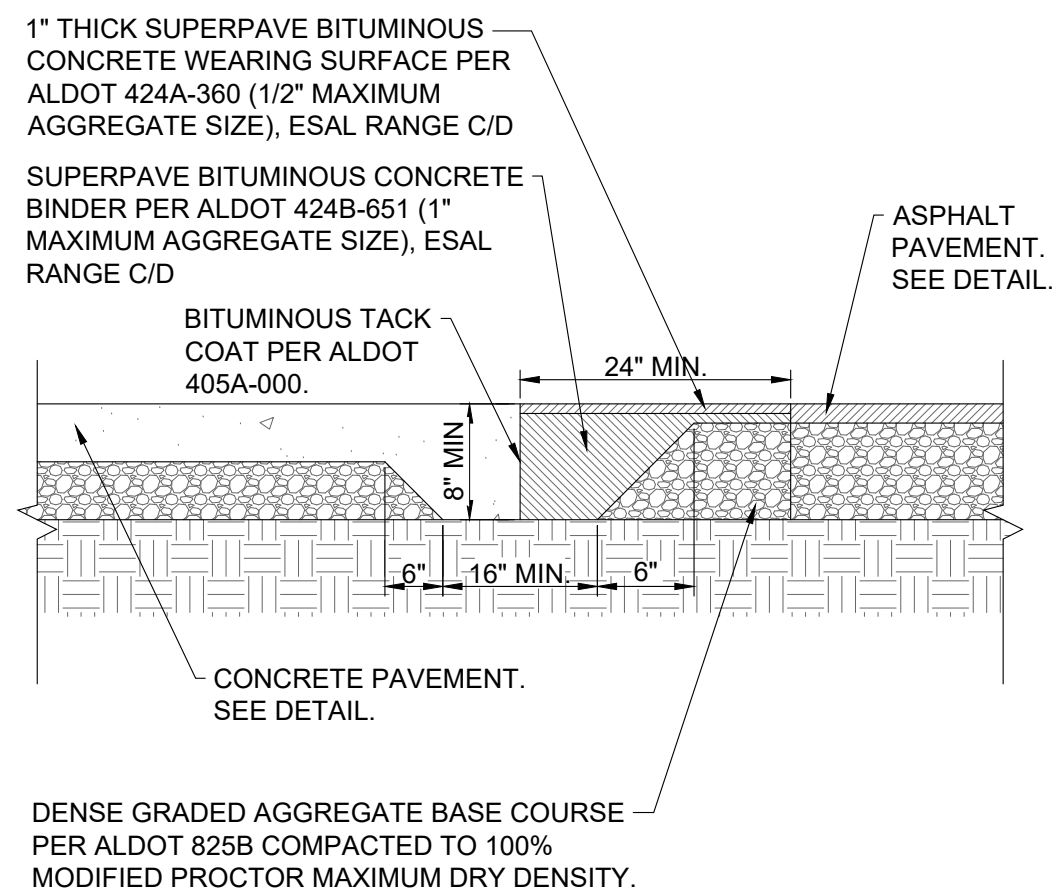


- 3,000 PSI PORTLAND CEMENT CONCRETE PAVEMENT WITH 8 GAUGE WWM.
- 67 STONE BASE COURSE,, COMPACTED TO 100% (MODIFIED AASHTO T-180, METHOD D)
- COMPACT THE UPPER 18" OF SUBGRADE IN FILL AREAS AND THE UPPER 12" IN CUT AREAS TO 98% OF THE SOIL'S MAXIMUM STANDARD PROCTOR DENSITY VALUE (ASTM D-698) AND 95% OF THE SOIL'S MAXIMUM STANDARD PROCTOR DENSITY VALUE BELOW THIS LEVEL.

NOTES:
1. CONCRETE PAVEMENT RECOMMENDATIONS PROVIDED BY SHELBY COUNTY

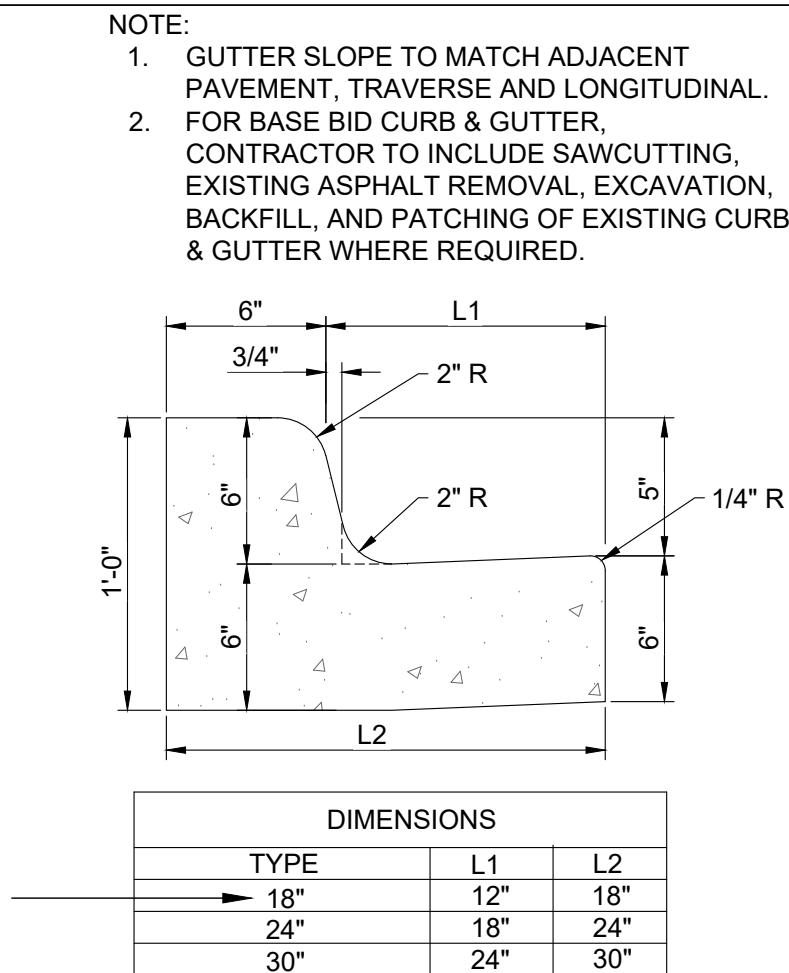
CONCRETE PAVEMENT DETAIL

N.T.S.



ASPHALT / CONCRETE TURNDOWN DETAIL

N.T.S.



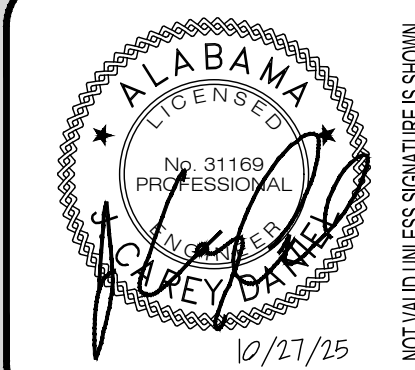
CURB AND GUTTER DETAIL

N.T.S.

SITE SECTIONS & DETAILS

SHELBY COUNTY EMA/IT BLDG.
MCCOW ROAD
COLUMBIANA, AL
STEPHEN COKER ARCHITECT, LLC
BIRMINGHAM, AL

GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL & TRANSPORTATION ENGINEERING - LAND SURVEYING - LAND PLANNING
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1550 WOODS OF RIVERCHASE DRIVE SUITE 200
BIRMINGHAM, AL 35244
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DWG. NO.
C251 R 0
PROJECT
25-0406

N:\2025 Projects\Stephen Coker Architect LLC\25-0406 Shelby County EMA/IT Facility_Columbiana, AL\Engineering\Construction Documents\25-0406 Grading\Grading Plans.dwg Oct 27, 2025 1:53:38 pm
GRADING DRAINAGE PLAN TEMPLATE V1.0 - 5.23.24

21 5 22 4 001
003.000
SHELBY COUNTY AL
200 W
COLLEGE ST
RM 123
COLUMBIANA AL 35051

STORM MANHOLE
TOP ELEV: 560.40
12" RCP INVERT IN=552.33
24" RCP INVERT OUT=552.04

12" RCP

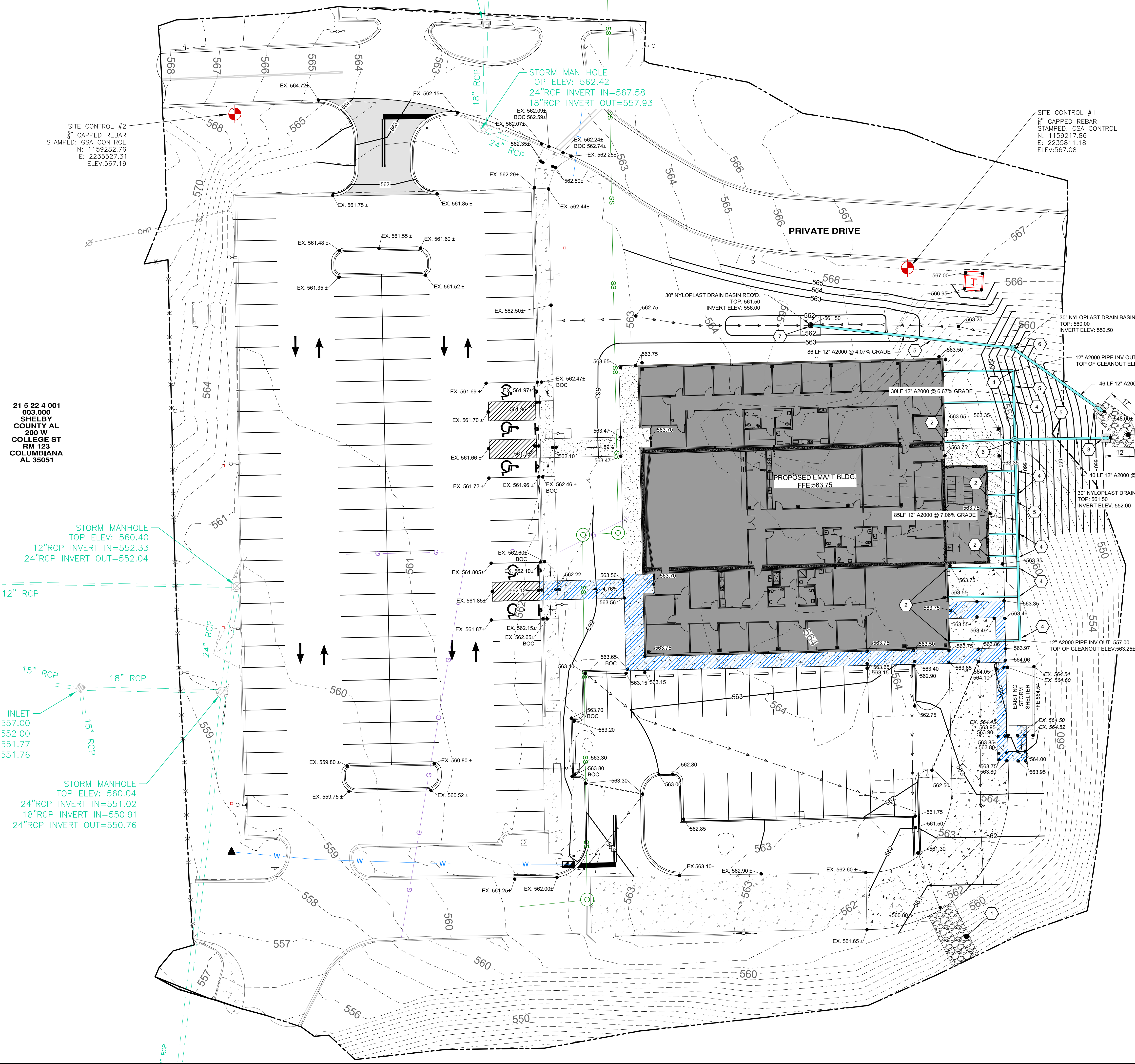
15" RCP

18" RCP

24" RCP

INLET
357.00
352.00
351.77
351.76

STORM MANHOLE
TOP ELEV: 560.04
24" RCP INVERT IN=551.02
18" RCP INVERT IN=550.91
24" RCP INVERT OUT=550.76



SITE GRADING & DRAINAGE PLAN LEGEND

- 565 MAJOR CONTOUR
 - 564 MINOR CONTOUR
 - RIDGE LINE
 - FLOW LINE
 - EX EXISTING ELEVATION
 - BOC BACK OF CURB
- NOTE: ALL SPOTS WITHIN PARKING AREAS ARE GUTTER UNLESS DENOTED OTHERWISE

GRADING LEGEND

- 1 18" THICK CLASS I RIPRAP ON FILTERCLOTH REQ'D. SEE CBMPP DETAILS.
- 2 8" PVC ROOF DRAIN LATERAL PIPING REQ'D. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND CONTINUATION INTO BUILDING. (TYP.)
- 3 SLOPE PAVED HEADWALL REQ'D. SEE DETAILS.
- 4 CLEANOUT W/ STEEL TRAFFIC-RATED COVER REQ'D. (TYP.).
- 5 12" A2000 STORM LINE REQ'D.
- 6 30" NYLOPLAST DRAIN BASIN WITH SOLID COVER REQ'D. SEE DETAILS.
- 7 30" NYLOPLAST DRAIN BASIN WITH DOME GRATE COVER REQ'D. SEE DETAILS.

HATCH DENOTES DESIGNATED ADA ROUTE, (TYP.)

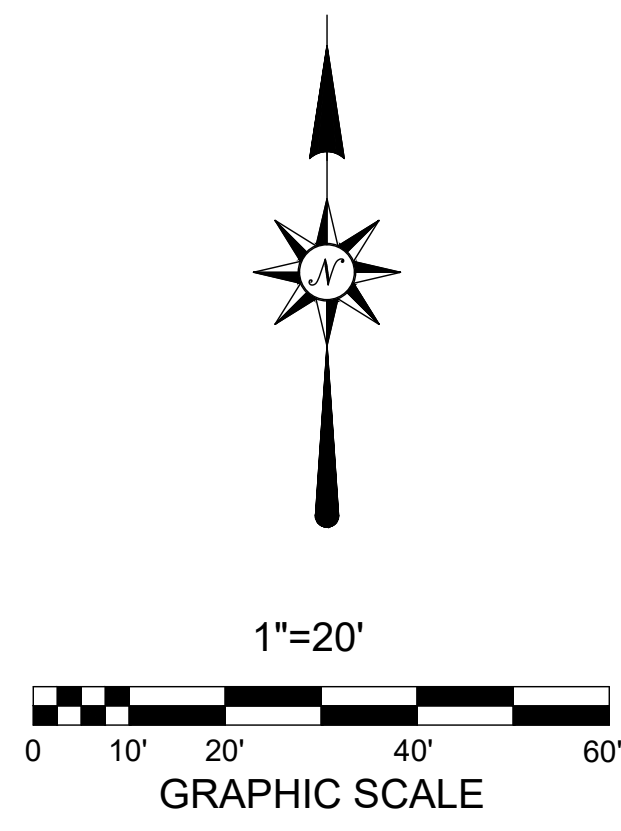
NOTE: AS A FIRST ORDER OF BUSINESS AND PRIOR TO ANY WORK BEGINNING, THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES ON AND ADJACENT TO THE SITE LOCATED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE LOCATIONS OF THE UTILITIES AND AVOID ALL CONFLICTS. ANY SERVICE INTERRUPTIONS AND/OR ASSOCIATED COSTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE EXISTING UTILITIES SHOWN HEREIN ARE TO BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL RELOCATE ANY EXISTING UTILITY WHICH CONFLICTS WITH THE IMPROVEMENTS SHOWN. THE CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS WITH THE APPROPRIATE UTILITIES COMPANIES. ALL IMPROVEMENTS SHALL MEET THE REQUIREMENTS OF EACH COMPANY'S STANDARDS OR SPECIFICATIONS.



Know what's below
Call before you dig

REFER TO SURVEY FOR
EXISTING CONDITIONS LEGEND

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ADDITIONAL NOTES APPLICABLE
TO THE WORK SHOWN ON THIS
PLAN



REVISIONS		DATE
NO.	DESCRIPTION	
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1		
2		
3		
4		

SITE GRADING & DRAINAGE PLAN

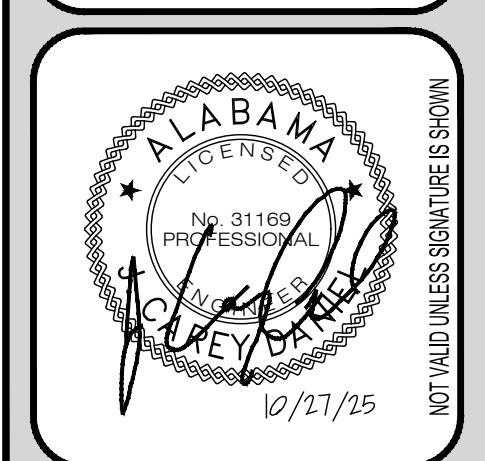
SHELBY COUNTY EMA/IT BLDG.
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STEPHEN COKER ARCHITECT, LLC
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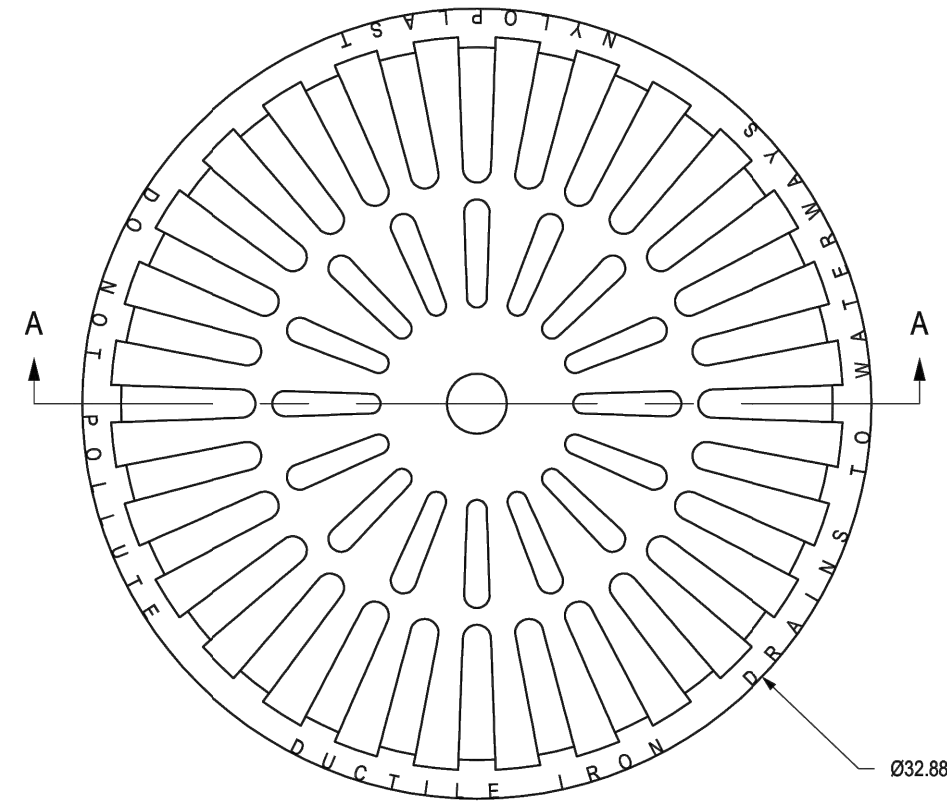


DWG. NO.
C300 R 0
PROJECT
25-0406

1. 8" - 30" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50.0.			
2. 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50.0.			
3. 8" & 12" SOLID COVERS FIT DIRECTLY OVER DRAIN BASINS WITH THE USE OF A PVC BODY GUT. SEE DRAWING NO. 7001-110/045.			
4. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. REINERS ARE NEEDED FOR BASINS OVER 6' DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110/045.	THIS PRINT DISCLOSES SUBJECT MATTER'S N WHICH IS NOT PUBLIC INFORMATION. ANY DISCLOSURE OF THIS PRINT OR POSSESSION OF THIS PRINT DOES NOT CONVEY OR IMPLY A LICENSE, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR ANY INFORMATION CONTAINED IN THIS ARTICLE HEREFORE, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NDI OR C.	DRAWN BY EBC DATE 09-14-07	310 VIKONA AVE BUFFALO, NY 14203 TEL: 716 832-4443 FAX: 716 832-2480 www.nyplastic.net
5. 12" - 30" SOLID COVERS SHALL CONFORM TO ASTM D2239 FOR CORRUGATED HDPE (ASTM A-1242M/C42 DUAL WALL), N-12 N-P PVC SEWER (4" - 36").		REVISION BY NMM DATE 02-12-16	ADS Nyloplast®
6. MINIMUM ANGLE BETWEEN ANY AND ANY ANGLE OF 90° TO 300°.		PROJECT NO _____	
7. MINIMUM ANGLE BETWEEN ANY AND ANY ANGLE OF 90° TO 300°.		PROJECT NO _____	
8. 8" - 12" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS; NO CONCRETE CALLS NEEDED FOR LIGHT DUTY RATING.		DWG NO A	TITLE DRAIN BASIN WITH SOLID COVER QUICK SPEC INSTALLATION DETAIL.
9. 12" - 30" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS; NO CONCRETE CALLS NEEDED FOR LIGHT DUTY RATING.		SCALE 1/4" = 1'-0"	DWG NO N
10. 12" - 30" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS; NO CONCRETE CALLS NEEDED FOR LIGHT DUTY RATING.		SHEET 1 OF 1	DATE 11-01-08
11. 12" - 30" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS; NO CONCRETE CALLS NEEDED FOR LIGHT DUTY RATING.			REV E

[illegible]

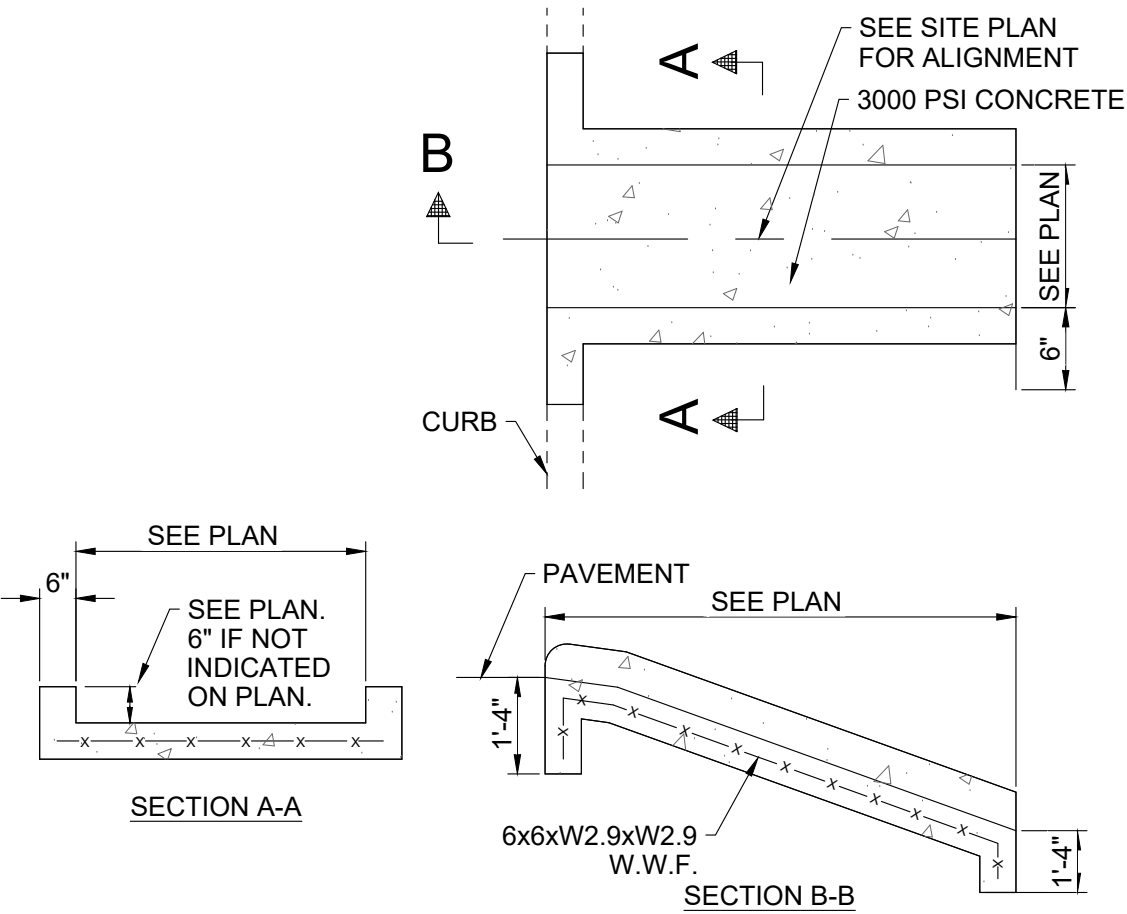
APPROX. DRAIN AREA = 409.94 SQ IN
APPROX. WEIGHT WITH FRAME = 93.00 LBS



SECTION A-A

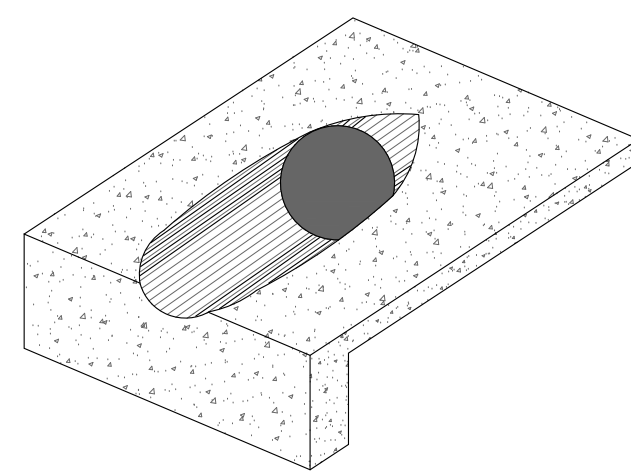
DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST

THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONVEY, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN. REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF A PRODUCT IDENTICAL HEREIN, FOR THE DISCLOSURE TO OTHERS IS PROHIBITED, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYPLAST.		DRAWN BY EBC		MATERIAL		 3130 VERONA AVE BURLING, CA 94918 PHN (770) 832-4431 FAX (770) 832-4860 www.nyloplast.com	
DATE 03-04-06		DUCTILE		PROJECT NO NAME		TITLE	
DESIGNED BY EBC		DATE 08-30-11				30 IN DOME GRATE	
DWG SIZE A		SCALE 1:8		SHEET 1 OF 1		DWG NO 7001-10-1223 REV E	

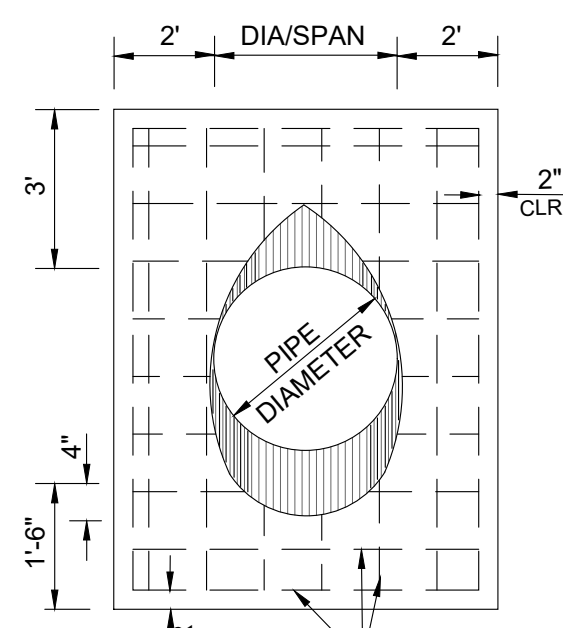


CONCRETE FLUME AT CURB DETAIL

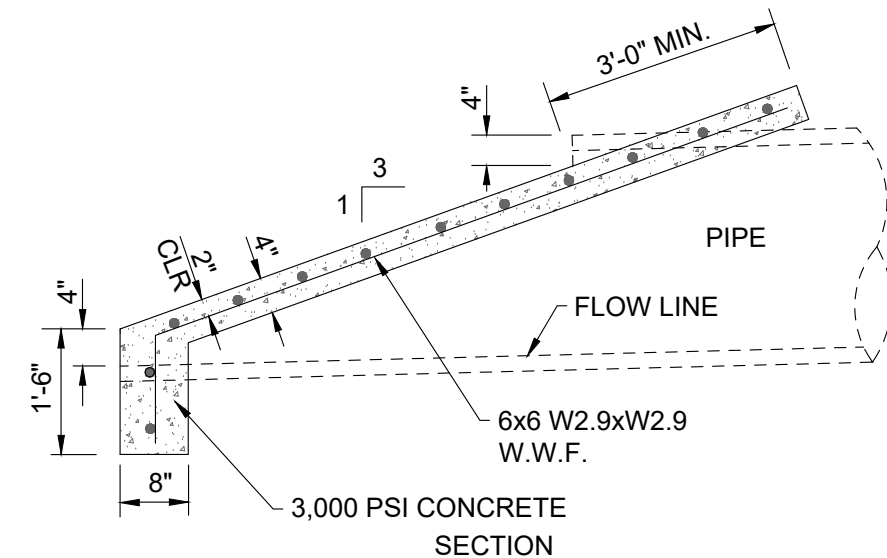
N.T.S.



PERSPECTIVE



END ELEVATION



SLOPE PAVED HEADWALL DETAIL

N.T.S.

REVISIONS		
NO.	DESCRIPTION	DATE
0		-
1		-
2		-
3		-
4		-

DRAINAGE DETAILS

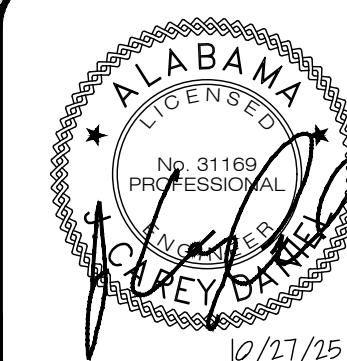
SHELBY COUNTY EMA/IT BLDG.

STEPHEN COKER ARCHITECT, LLC
COLUMBIANA, AL
BIRMINGHAM, AL



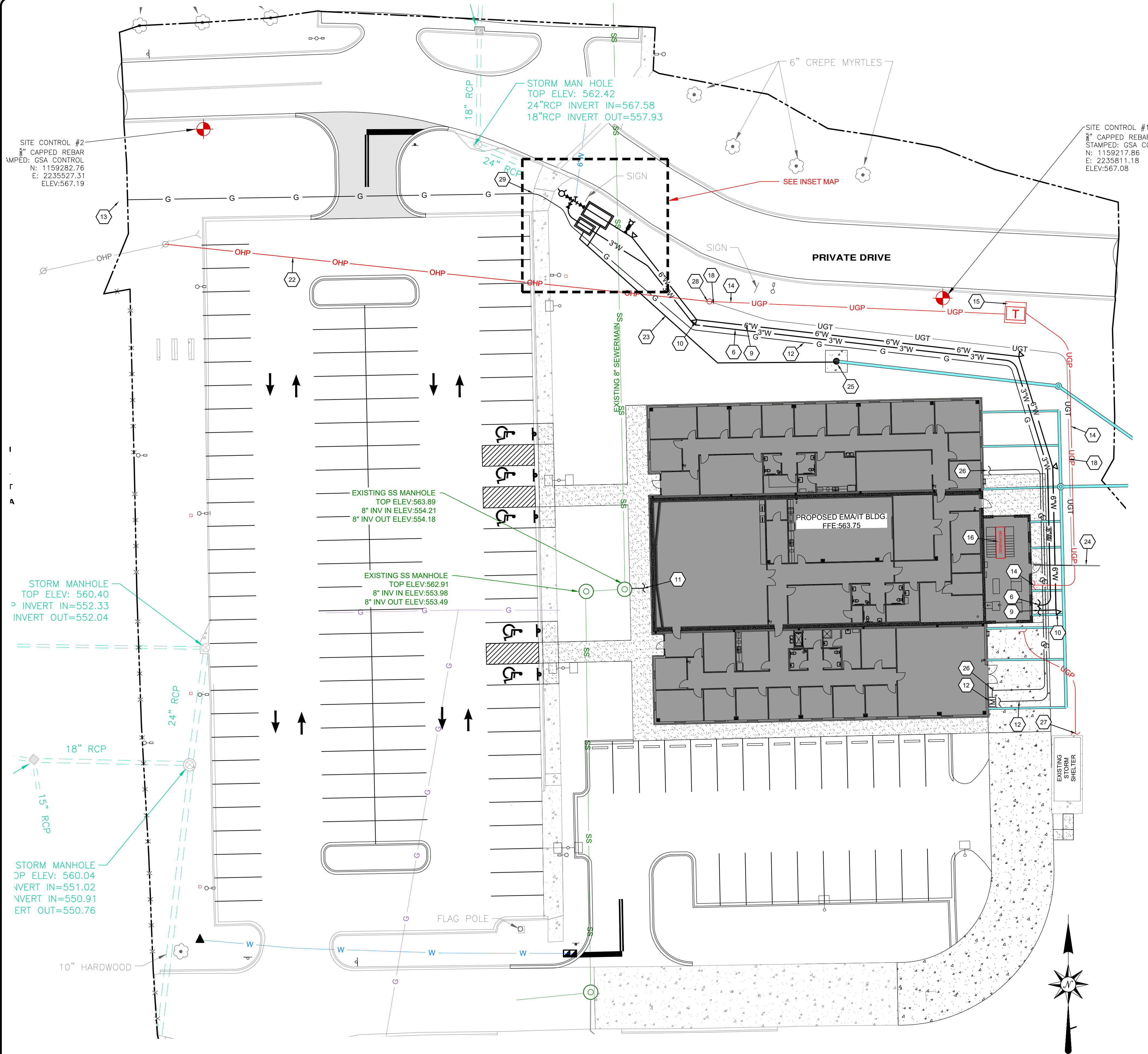
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NOT VALID IN THESE COUNTRIES: IS CHINA

DWG.NO.
C350 R 0
PROJECT
25-0406



REFER TO SURVEY FOR
EXISTING CONDITIONS LEGEND

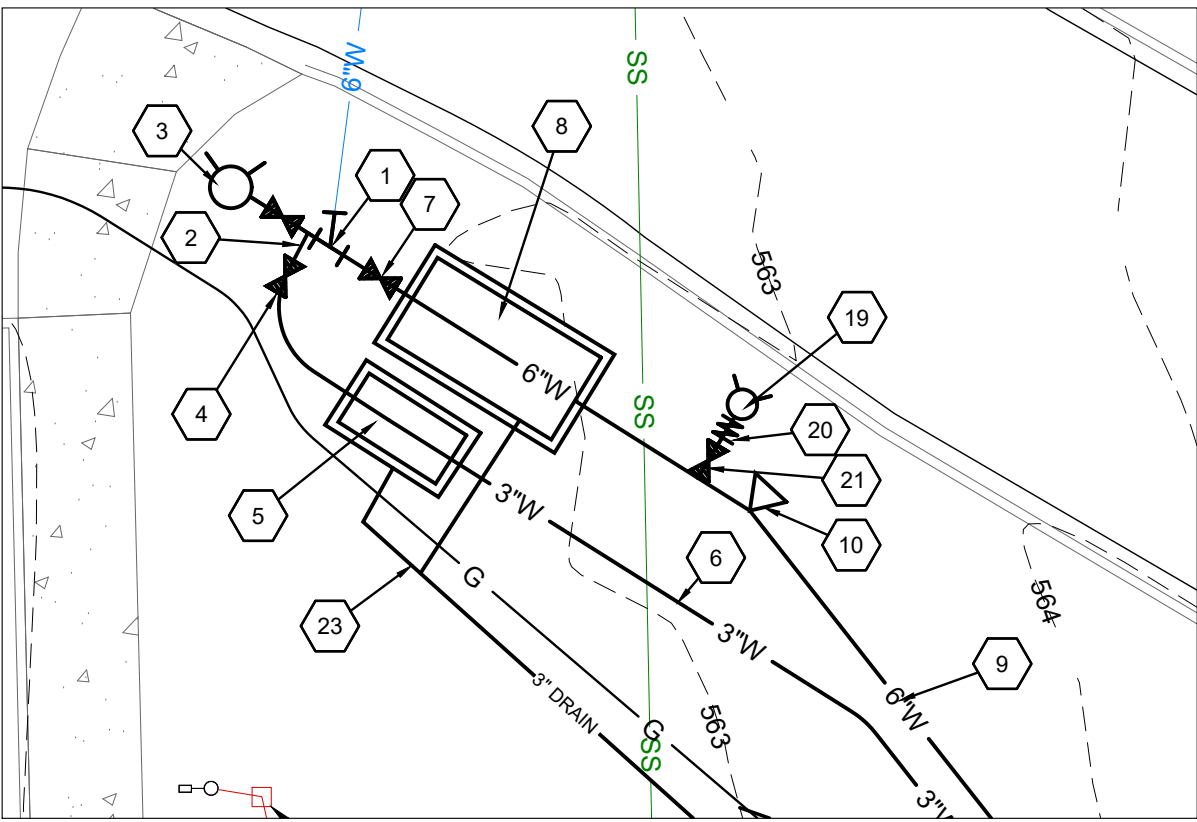
REFER TO SHEET C001 FOR
ADDITIONAL NOTES APPLICABLE
TO THE WORK SHOWN ON THIS
PLAN



UTILITY LEGEND

- 6" DIP TEE W/ THRUST BLOCK REQ'D. CONNECT TO EXISTING 6" WATERMAIN. WORK TO BE PERFORMED WITH COLUMBIANA WATER WORKS BOARD REF. PRESENT. COORDINATE WITH JOSH MILLER (205-669-5805).
- 6" X 3" DI TEE REQ'D.
- FIRE HYDRANT ASSEMBLY TO BE SUPPLIED BY COLUMBIANA WATERWORKS BOARD.
- 3" GATE VALVE REQ'D.
- 2" OCTAVE METER, 2" RPZ BACKFLOW, & PRV IN 3' X 6' BELOW GRADE VAULT REQ'D. METER TO BE SUPPLIED BY COLUMBIANA WATERWORKS BOARD. CONTRACTOR TO PROVIDE POWER AND INTERNAL BYPASS. VAULT TOP ELEV: 563.00± SEE VAULT DETAIL ON C450.
- 3" PEX DOMESTIC SERVICE LINE TO BUILDING REQ'D. SEE MEP PLANS FOR CONTINUATION INTO BLDG.
- 6" GATE VALVE REQ'D.
- 4" OCTAVE METER AND 6" DDC BACKFLOW IN 5' X 10' BELOW GRADE VAULT W/BYPASS REQ'D. VAULT TOP ELEV: 563.00± SEE VAULT DETAIL ON C450. CONTRACTOR TO PROVIDE POWER.
- 6" DIP FIRE LINE TO RISER REQ'D. SEE FIRE PROTECTION/MEP PLANS FOR CONTINUATION INTO BLDG.
- BEND W/THRUST BLOCK REQ'D. (TYP). SEE DETAILS.
- 4" SANITARY SEWER SERVICE LATERAL @ MIN. 1% SLOPE REQ'D. PROVIDE CLEANOUT WITHIN 30' OF BUILDING. COORDINATE WITH MECHANICAL/PLUMBING PLANS FOR CONTINUATION INTO BUILDING. TYP.
- PROPOSED GAS SERVICE TO METER REQ'D. CONTRACTOR TO COORDINATE INSTALLATION REQUIREMENTS WITH SPIRE (TYP). SEE MEP PLANS FOR CONTINUATION INTO BUILDING.
- EXISTING GAS SERVICE TO BE CUT & CAPPED AT MCDOW ROAD (NOT SHOWN ON PLANS). COORDINATE WORK REQUIREMENTS WITH SPIRE.
- UNDERGROUND POWER SERVICE REQ'D. CONTRACTOR TO PROVIDE (2) 5" CONDUITS PER ALABAMA POWER REQUIREMENTS. PAY ALL ASSOCIATED FEES AND COSTS (TYP.). COORDINATE WITH ELECTRICAL PLANS FOR CONTINUATION INTO BLDG. AND LOAD INFORMATION.
- CONCRETE TRANSFORMER PAD REQ'D. COORDINATE AND VERIFY EXACT LOCATION WITH ALABAMA POWER COMPANY PRIOR TO CONSTRUCTION. INSTALL PER POWER COMPANY REQUIREMENTS AND SPECIFICATIONS. COORDINATE WITH SITE ELECTRICAL PLANS. (TYP).
- BACK-UP GENERATOR SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL PLANS.
- 2" TEE REQ'D.
- UNDERGROUND COMMUNICATION LINE REQ'D. FROM NEW POLE. CONTRACTOR TO PROVIDE (3) 3" CONDUITS. SEE MEP PLANS FOR CONTINUATION INTO BLDG.
- 2.5" X 2.5" SIAMESE FIRE DEPARTMENT CONNECTION REQ'D.
- 4" CHECK VALVE REQ'D.
- 6" X 4" TEE W/4" GATE VALVE REQ'D.
- OVERHEAD LINES TO NEW POLE REQ'D.
- 3" VAULT DRAIN, TYP. SEE VAULT DETAIL ON C450.
- (1) 3" CONDUIT FOR FIBER LINE. COORDINATE WITH SHELBY COUNTY AND ELECTRICAL DRAWINGS. STUB-OUT, CAP, AND MARK WIREBAR.
- CONNECT VAULT DRAIN TO 30" NYLOPLAST DRAIN BASIN. INV ELEV: 556.00 SEE GRADING PLAN FOR CONTINUATION.
- 3/4" GAS SERVICE LINE REQ'D. SEE MEP PLANS FOR CONTINUATION INTO BLDG.
- UNDERGROUND POWER SERVICE REQ'D. COORDINATE WITH ELECTRICAL PLANS FOR CONDUIT REQUIREMENTS AND CONTINUATION INTO STORM SHELTER.
- UTILITY POLE REQ'D. LOCATION SHOWN IS APPROXIMATE. COORDINATE WITH OWNER AND ALABAMA POWER FOR EXACT LOCATION.
- BORE PROPOSED GAS LINE UNDER EXISTING SIDEWALK.

INSET MAP
SCALE = 1"=10'



UTILITY NOTES

- ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
 - 8" MAIN SHALL BE PVC SDR 26 PER SEWER COMPANY STANDARD SPECIFICATIONS.
 - LATERALS BETWEEN THE MAIN AND JUST OUTSIDE OF SANITARY SEWER EASEMENT OR ROW THAT TIE DIRECTLY TO THE MAIN SHALL BE THE SAME MATERIAL AS THE MAIN.
 - LATERALS BETWEEN JUST OUTSIDE OF SANITARY SEWER EASEMENT OR ROW AND THE BUILDING AND LATERALS THAT TIE TO A MANHOLE BE SDR 26 PVC PER SEWER COMPANY AND BUILDING DEPARTMENT STANDARD SPECIFICATIONS.
- WATER LINES SHALL BE AS FOLLOWS:
 - 6", 8" & 12" WATER MAINS SHALL BE DUCTILE IRON CL 350 PER WATER COMPANY STANDARD SPECIFICATIONS.
 - SMALLER THAN 6" SHALL BE EITHER COPPER TUBE TYPE "K" (SOFT) PER ANSI 816.22 OR PVC, 200 PSI PER ASTM D1784 AND D2241.
- MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- ALL WATER JOINTS SHALL BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT IN SPECIFICATIONS.
- ALL UTILITIES SHOULD BE KEPT TEN FEET (10') APART (PARALLEL) OR WHEN CROSSING, 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-0" COVER ON ALL WATER LINES.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-0" COVER ON ALL SANITARY SEWER LINES.
- IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES, AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING. THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE, MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50).
- LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED, AND APPROVED BEFORE BACKFILLING.
- TOPS OF EXISTING MANHOLES SHALL BE RAISED OR LOWERED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS.
- ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28-DAY COMPRESSION STRENGTH AT 3000 PSI
- EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
- REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
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- REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
- ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS, PUMPS, TANKS, WATER LEVELS AND TEMPERATURES, CRITICAL AIR PRESSURES, AND WATER-FLOW SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRICALLY SUPERVISED PER IFC 2003 903.4.

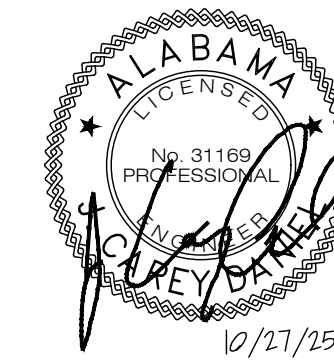
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SITE UTILITY PLAN

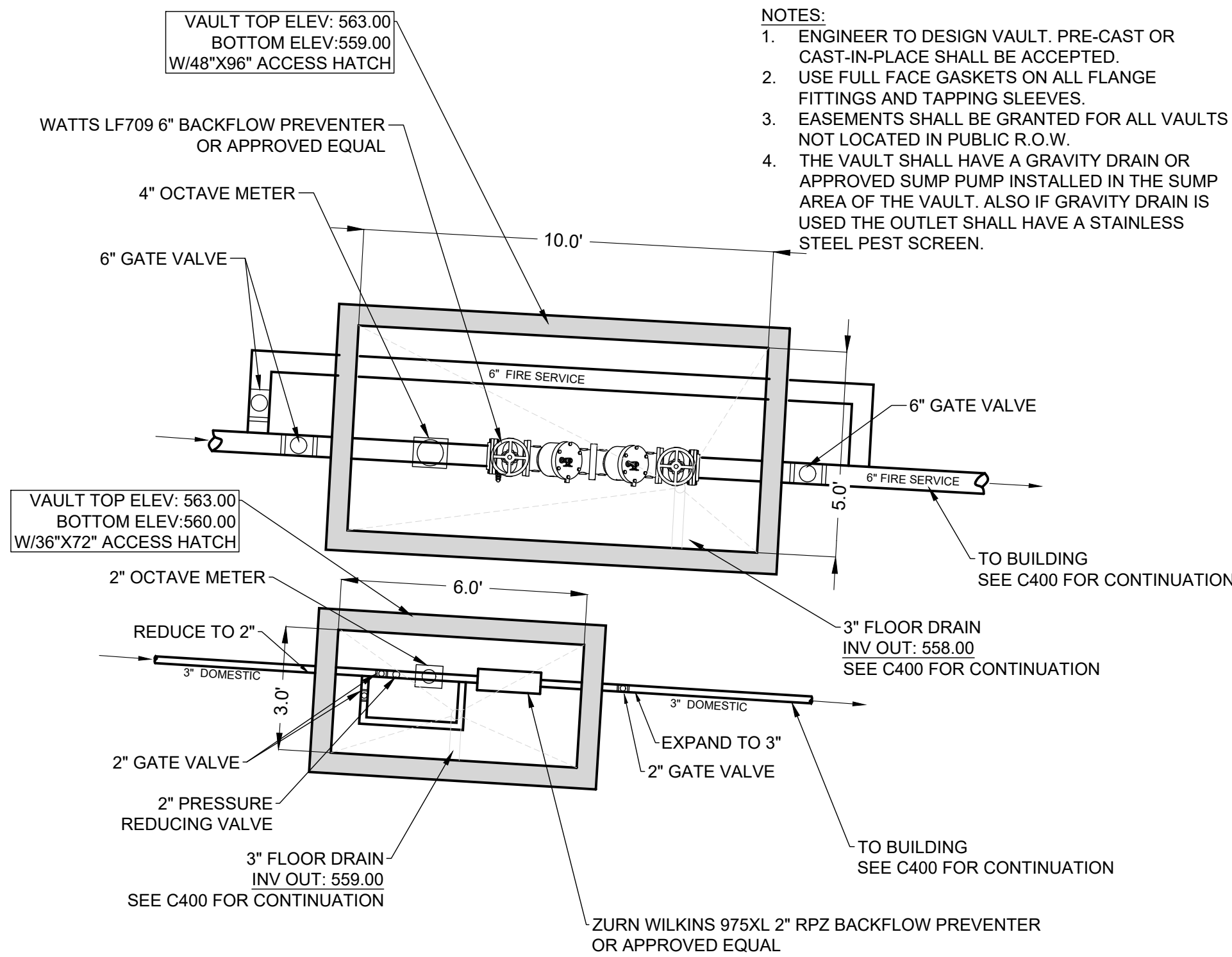
SHELBY COUNTY EMA/IT BLDG.
MCDOW ROAD
COLUMBIANA, AL

STEPHEN COKER ARCHITECT, LLC
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
BIRMINGHAM, AL
PHONE: (205) 942-2486
WWW.GONZALEZ-STRENGTH.COM

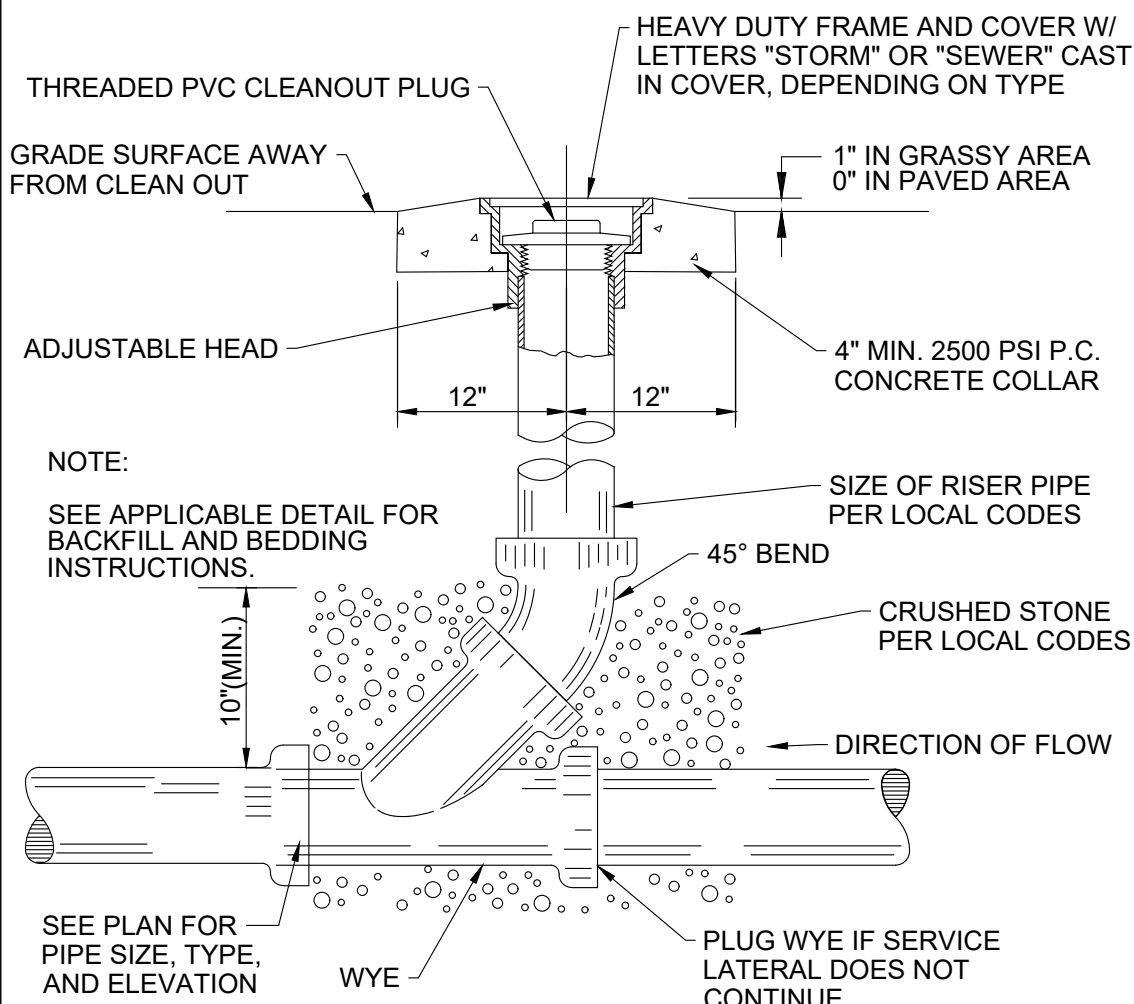
GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL & TRANSPORTATION ENGINEERING - LAND SURVEYING - LAND PLANNING
LANDSCAPE ARCHITECTURE - PIPELINE ENGINEERING & SURVEYING
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
BIRMINGHAM, AL 35244
PHONE: (205) 942-2486
WWW.GONZALEZ-STRENGTH.COM



DWG.NO.
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PROJECT
25-0406

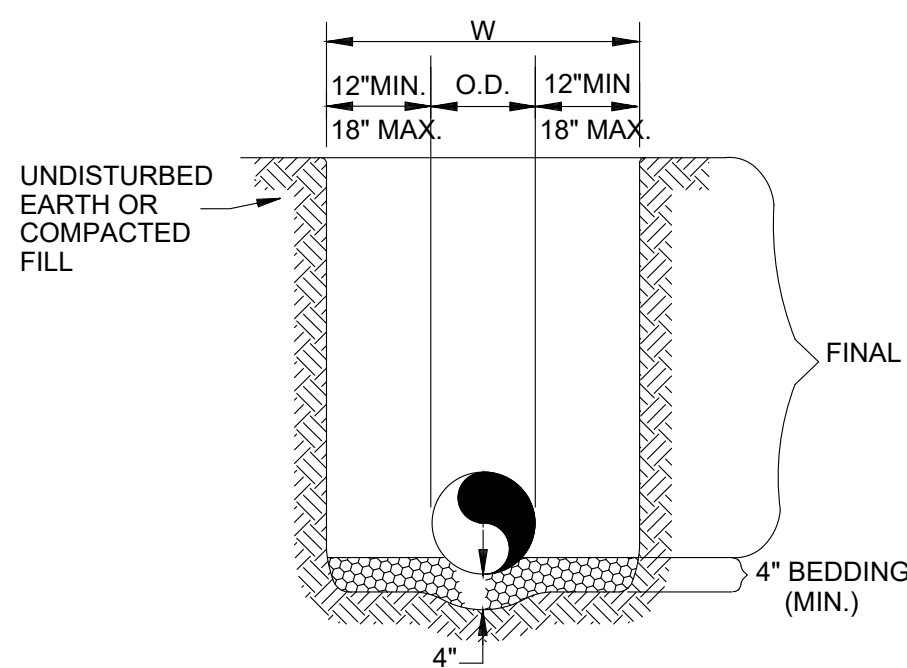


- NOTES:
- ENGINEER TO DESIGN VAULT. PRE-CAST OR CAST-IN-PLACE SHALL BE ACCEPTED.
 - USE FULL FACE GASKETS ON ALL FLANGE FITTINGS AND TAPPING SLEEVES.
 - EASEMENTS SHALL BE GRANTED FOR ALL VAULTS NOT LOCATED IN PUBLIC R.O.W.
 - THE VAULT SHALL HAVE A GRAVITY DRAIN OR APPROVED SUMP PUMP INSTALLED IN THE SUMP AREA OF THE VAULT. ALSO IF GRAVITY DRAIN IS USED THE OUTLET SHALL HAVE A STAINLESS STEEL PEST SCREEN.



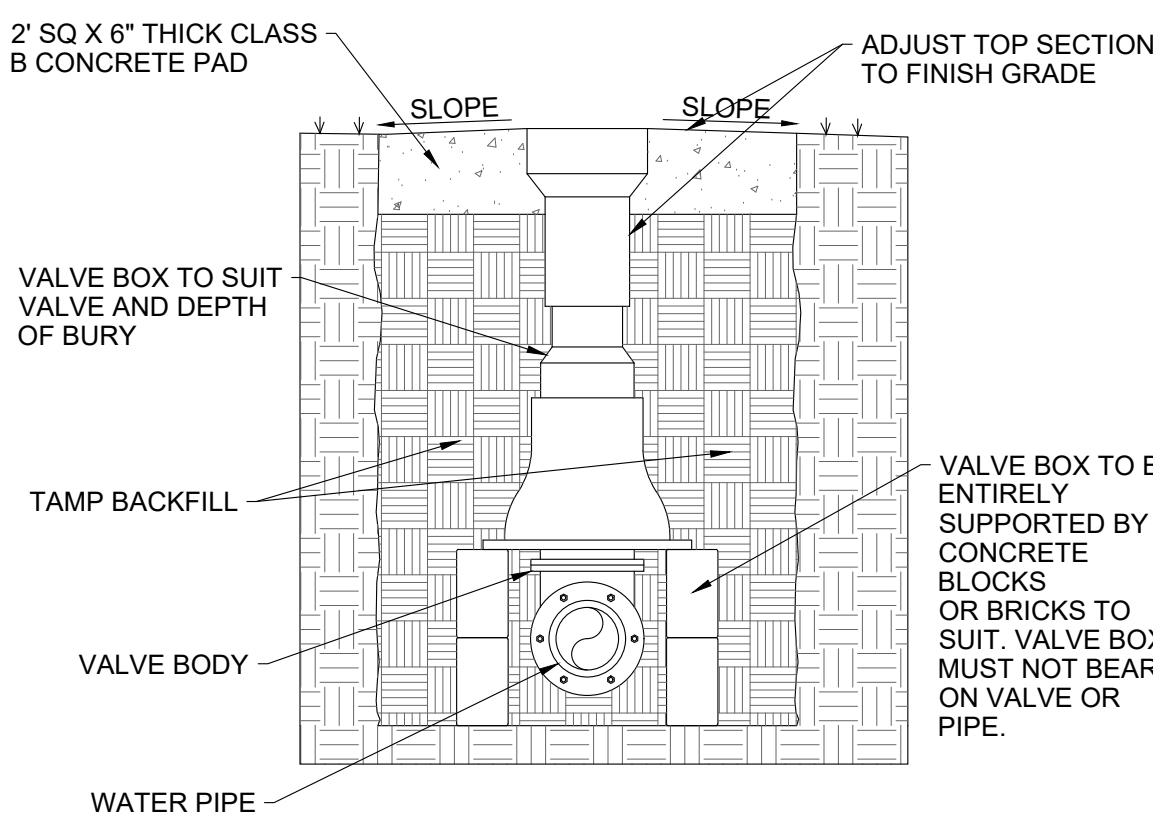
N.T.S.

ONE-WAY CLEANOUT DETAIL

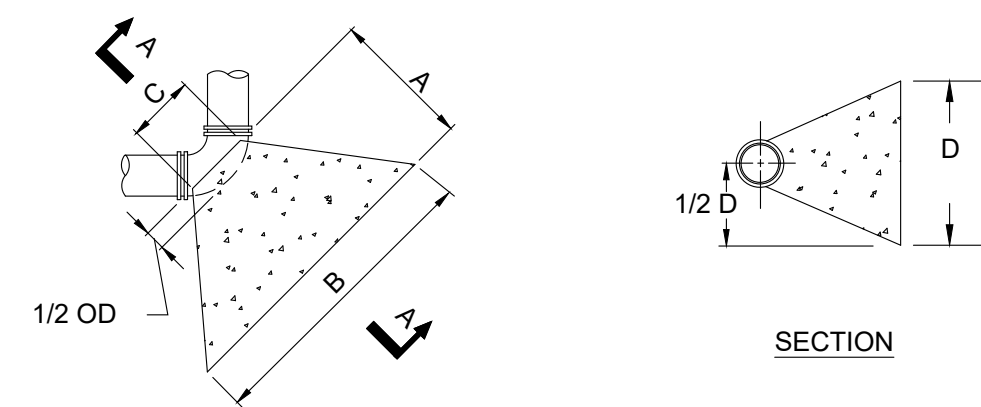


- GENERAL NOTES:
- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85% STANDARD PROCTOR.
 - FINAL BACKFILL SHALL BE ON SITE SUITABLE SOILS COMPACTED TO 98% STANDARD PROCTOR.
 - FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
 - ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
 - ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 6" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
 - FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
 - ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.

PIPE BEDDING DETAIL N.T.S.



GATE VALVE DETAIL N.T.S.



BEND	SIZE (FT)	A (FT)	B (FT)	C (IN)	D (FT)	VOLUME (CU YD)	THRUST (LBS)
11 1/4°	6"	1.0	2.0	6	1.0	0.04	1,385
	8"	1.0	2.0	7	1.0	0.05	2,400
	10"	1.0	2.0	9	1.0	0.07	3,830
	12"	1.0	2.5	11	1.5	0.12	5,550
	14"	2.0	2.5	11	2.0	0.24	7,550
	16"	2.0	2.5	12	2.0	0.26	9,860
	20"	2.0	3.5	15	2.5	0.48	15,400
22 1/2°	6"	1.0	2.0	6	1.0	0.04	2,760
	8"	1.0	2.0	7	1.5	0.06	4,905
	10"	1.0	2.0	9	2.0	0.10	7,665
	12"	1.0	3.0	11	2.0	0.16	11,040
	14"	2.0	3.5	11	2.5	0.37	15,025
	16"	2.0	3.5	12	3.0	0.45	19,625
	20"	2.0	4.0	15	4.0	0.74	30,665
45°	6"	1.0	2.0	6	1.5	0.06	5,415
	8"	1.0	2.5	7	2.0	0.10	9,625
	10"	2.0	3.5	9	2.5	0.31	15,040
	12"	2.0	3.5	11	3.0	0.41	21,655
	14"	2.0	4.0	11	3.75	0.56	29,475
	16"	3.0	5.0	12	4.0	1.45	38,495
	20"	4.0	6.0	15	5.0	2.06	60,145
90°	6"	1.0	2.5	12	2.0	0.13	10,005
	8"	2.0	3.0	14	3.0	0.38	17,785
	10"	2.5	4.5	18	3.0	0.74	27,785
	12"	3.0	5.0	20	4.0	1.24	40,010
	14"	3.0	5.5	24	5.0	1.77	54,460
	16"	4.0	6.5	26	5.5	2.91	71,125
	20"	4.0	8.0	32	7.0	4.68	111,135
TEES AND PLUGS	6"	1.0	2.5	12	1.5	0.10	7,070
	8"	1.7	3.25	14	2.0	0.27	12,565
	10"	2.0	4.0	18	2.5	0.50	19,635
	12"	2.5	4.5	20	3.25	0.91	28,275
	14"	3.0	5.0	24	4.0	1.41	38,485
	16"	3.0	5.0	26	5.0	1.77	50,265
	20"	4.0	7.0	32	5.75	3.69	78,540
45°	6"	1.0	2.5	12	1.5	0.10	7,070
	8"	1.7	3.25	14	2.0	0.27	12,565
	10"	2.0	4.0	18	2.5	0.50	19,635
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	8"	1.0	2.5	7	2.0	0.10	9,625
	10"	2.0	3.5	9	2.5	0.31	15,040
	12"	2.0	3.5	11	3.0	0.41	21,655
	14"	2.0	4.0	11	3.75	0.56	29,475
	16"	3.0	5.0	12	4.0	1.45	38,495
	20"	4.0	6.0	15	5.0	2.06	60,145
90°	6"	1.0	2.5	12	2.0	0.13	10,005
	8"	2.0	3.0	14	3.0	0.38	17,785
	10"	2.5	4.5	18	3.0	0.74	27,785
	12"	3.0	5.0	20	4.0	1.24	40,010
	14"	3.0	5.5	24	5.0	1.77	54,460
	16"	4.0	6.5	26	5.5	2.91	71,125
	20"	4.0	8.0	32	7.0	4.68	111,135
TEES AND PLUGS	6"	1.0	2.5	12	1.5	0.10	7,070
	8"	1.7	3.25	14	2.0	0.27	12,565
	10"	2.0	4.0	18	2.5	0.50	19,635
	12"	2.5	4.5	20	3.25	0.91	28,275
	14"	3.0	5.0	24	4.0	1.41	38,485
	16"	3.0	5.0	26	5.0	1.77	50,265
	20"	4.0	7.0	32	5.75	3.69	78,540
45°	6"	1.0	2.5	12	1.5	0.10	7,070
	8"	1.7	3.25	14	2.0	0.27	12,565
	10"	2.0	4.0	18	2.5	0.50	19,635
	12"	2.5	4.5	20	3.25	0.91	28,275
	14"	3.0	5.0	24	4.0	1.41	38,485
	16"	3.0	5.0	26	5.0	1.77	50,265
	20"	4.0	7.0	32	5.75	3.69	78,540

TEES AND PLUGS	6"	1.0	2.5	12	1.5	0.10	7.070
	8"	1.7	3.25	14	2.0	0.27	12.635
	10"	2.0	4.0	18	2.5	0.50	19.365
	12"	2.5	4.5	20	3.25	0.91	28.275
	14"	3.0	5.0	24	4.0	1.41	38.485
	16"	3.0	5.0	26	5.0	1.77	50.265
	20"	4.0	7.0	32	7.5	3.69	78.540
24"	6.0	9.0	40	6.5	7.94	113.100	

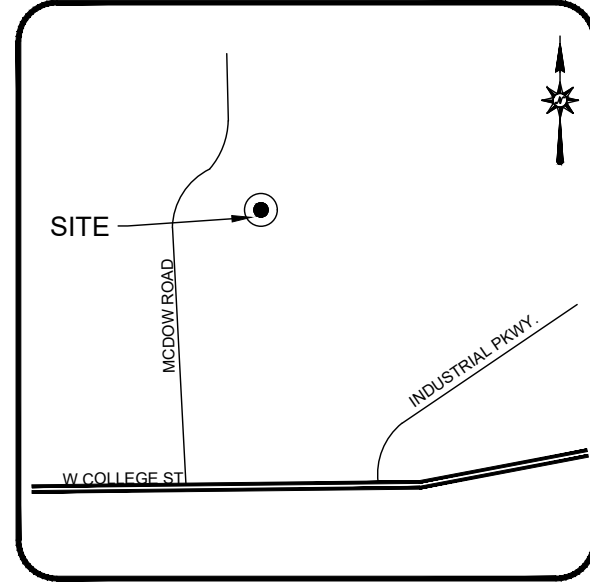
CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN FOR SHELBY COUNTY EMA/IT BLDG.

MCDOW ROAD
COLUMBIANA, AL

APPROXIMATE CONSTRUCTION SCHEDULE

	MONTH 1	MONTH 2	MONTH 3	MONTH 4-12
SILT FENCE AND CONSTRUCTION EXIT	●	●	●	
DEMOLITION	●			
CLEAR, GRUB & GRADING	●			
UTILITIES		●	●	
BUILDING CONSTRUCTION		●	●	
PAVING				●
TEMPORARY GRASSING	●	●	●	
PERMANENT GRASSING				●
MAINTAIN EROSION CONTROL MEASURES	●	●	●	
FINAL LANDSCAPING				●

THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.



VICINITY MAP
N.T.S.

SPILL PREVENTION

1. PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS PRODUCTS, AND PROPER SPILL CONTROL PRACTICES WILL BE FOLLOWED TO REDUCE THE RISK OF SPILLS FROM DISCHARGING INTO WATER RUNOFF.

GOOD HOUSEKEEPING

1. QUANTITIES OF PRODUCTS STORED ON-SITE WILL BE LIMITED TO AMOUNT NEEDED FOR THE JOB.
2. PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL, WHERE POSSIBLE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER LABELS LEGIBLE AND VISIBLE.
4. PRODUCT MIXING, DISPOSAL, AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
5. SITE MATERIAL/EQUIPMENT STORAGE/LAYDOWN YARDS SHALL BE FIELD LOCATED AS REQUIRED BY CONTRACTOR, TO CONSIST OF A MINIMUM 4" STONE BED AND BE LOCATED AS TO MINIMIZE THE POSSIBILITY OF WATER COMING INTO CONTACT WITH CHEMICALS OR PETROLEUM PRODUCTS.

HAZARDOUS WASTES

1. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE CBMP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.
2. THE CONTRACTOR WILL IMPLEMENT THE SITE SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLAN AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED WATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES

1. A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.
2. ALL SANITARY WASTE UNITS WILL BE LOCATED ON LEVEL GROUND IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO WATER DISCHARGE IS REDUCED TO THE MAXIMUM PRACTICAL EXTENT. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIFICALLY DESIGN PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE CBMP PHASE II PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.
3. SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY SYSTEM AT THE COMPLETION OF THIS PROJECT.

OFF-SITE VEHICLE TRACKING

1. A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT. SEE EROSION CONTROL DETAIL SHEET(S) FOR CONSTRUCTION EXIT LOCATION AND DETAILS. THE PAVED STREET ADJACENT TO THE SITE WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT, OR ROCK. ANY TRACKED MATERIAL SHALL BE REMOVED BY STREET SWEEPING AND PROPERLY DISPOSED OF BY PRACTICAL MEANS OTHER THAN WASHING INTO DRAINS OR DRAINAGE WAYS. PRACTICAL MEANS INCLUDE INCORPORATING SEDIMENT INTO EARTHWORK OPERATIONS IN LANDSCAPED AREAS OR HAULING SEDIMENT AWAY VIA DUMP TRUCK AND DISPOSING OF SEDIMENT IN A LEGAL MANNER. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

1. THE FOLLOWING MATERIALS ARE EXPECTED ON-SITE DURING CONSTRUCTION: CONCRETE PRODUCTS, ASPHALT, PETROLEUM-BASED FUELS AND LUBRICANTS FOR EQUIPMENT, TAR, METAL BUILDING MATERIALS, LUMBER, SHEET ROCK, FLOOR COVERINGS, ELECTRICAL WIRE AND FIXTURES, PAINTS/STAINS/FINISHING TREATMENTS, PAINTS, PAINT SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CLEANING SOLVENTS, PESTICIDES, FERTILIZERS, HERBICIDES, CRUSHED STONE, AND PLASTIC AND METAL PIPES.

SOIL CLEANUP AND CONTROL PRACTICES

1. LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
2. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO: BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
3. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
4. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
5. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
6. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
7. SEE PROJECT SPILL PREVENTION, CONTROL, AND COUNTERMEASURES PLAN (SPCCP) FOR REPORTING REQUIREMENTS.

PRODUCT SPECIFIC PRACTICES

1. PETROLEUM-BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE OBSERVED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES DAILY OBSERVATIONS OF ON-SITE VEHICLES AND MACHINERY AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS, AND WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER AND SPILL PREVENTION, CONTAINMENT, AND COUNTERMEASURES PLAN (SPCCP) TO PREVENT SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
2. PAINTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. MATERIALS USED

WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

3. CONCRETE TRUCKS WASHING - NO CONCRETE TRUCK WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE UNLESS AN APPROVED METHOD OF CONTAINMENT IS USED.
4. FERTILIZER - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURE'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE "ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS," LATEST EDITION. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
5. BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH BUILDING MATERIALS WILL BE DISPOSED OF IN A PROPER WASTE DISPOSAL PROCEDURE.

WASTE MATERIALS

1. ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY, AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED.
2. ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FRO WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOB SITE, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

NON-STORMWATER DISCHARGES

1. ALL NON-STORMWATER DISCHARGES WILL BE ROUTED THROUGH ON-SITE BMP'S AND THE WATER MANAGEMENT SYSTEM WHERE POSSIBLE. THESE DISCHARGES INCLUDE FLUSHING OF WATER AND FIRE LINES, IRRIGATION WATER, GROUNDWATER, DEWATERING OF PITS OR DEPRESSIONS WITHIN THE CONSTRUCTION SITE, AND RINSE-OFF WATER OF NON-TOXIC MATERIALS.

DUST CONTROL

1. EARTHMOVING ACTIVITIES - APPLICATION OF WATER BY MEANS OF TRUCKS AT SUFFICIENT FREQUENCY AND QUANTITY PRIOR TO, DURING, AND AFTER CONDUCTING EARTHMOVING OPERATIONS. CONTRACTOR SHALL DETERMINE ADEQUATE FREQUENCY BASED ON AREA CONDITIONS.
2. STORAGE PILES - APPLICATION OF WATER BY MEANS OF TRUCKS, HOSES, SPRINKLERS, ETC. AT A FREQUENCY TO PROVIDE A STABLE DUST-FREE SURFACE. CONTRACTOR SHALL DETERMINE ADEQUATE FREQUENCY BASED ON AREA CONDITIONS.
3. INACTIVE CONSTRUCTION AREAS - APPLICATION OF WATER BY MEANS OF TRUCKS, HOSES, SPRINKLERS, ETC. TO DEVELOP A SURFACE CRUST. CONTRACTOR SHALL DETERMINE ADEQUATE FREQUENCY BASED ON AREA CONDITIONS.

CEMENT & CONCRETE WASHOUT

1. CONCRETE WASTE MANAGEMENT PERTAINS TO WASTE FROM CONCRETE READY-MIX TRUCKS, MASONRY OPERATIONS, AND SIMILAR WASTE.
2. STATE AND/OR LOCAL REGULATIONS DO NOT PROHIBIT CONCRETE WASHOUT ON SITE.
3. DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS IS ALLOWED AT THE CONSTRUCTION SITE. ONLY COMMERCIALY AVAILABLE ABOVE-GROUND PORTABLE CONCRETE WASHOUT CONTAINERS ARE ALLOWED AND MUST BE PROTECTED FROM VEHICLE TRAFFIC AND CLEARLY IDENTIFIED BY LEGIBLE SIGNAGE AND MUST BE LOCATED OUTSIDE OF VEGETATED BUFFERS AND AS FAR A PRACTICABLE FROM WATER CONVEYANCES AND IMPOUNDMENTS AND WATER BODIES. PORTABLE CONCRETE WASHOUT CONTAINERS SHALL CONTAIN AND/OR ACTIVELY MANAGE BOTH SOLID AND FLUID COMPONENTS OF THE MIX. CONCRETE WASHOUT CONTAINERS MUST BE CLEANED OR EXCHANGED WHEN THE REMAINING VOLUME IS REDUCED BY 85% TO PREVENT ANY POTENTIAL OVERFLOW IN AN EVENT.
4. ALTERNATIVELY, WASTE CONCRETE CAN BE PLACED INTO FORMS TO MAKE RIP RAP AND/OR OTHER USEFUL CONCRETE PRODUCTS. PORTABLE CONCRETE WASHOUT CONTAINERS SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. THE GC IS RESPONSIBLE FOR ASSURING THAT THESE PROCEDURES, APPLICABLE LAWS, AND ENVIRONMENTAL REGULATIONS ARE FOLLOWED. THE LOCATION OF THE CONCRETE WASHOUT CONTAINERS SHALL BE SHOWN ON THE SITE MAPS.

SLOPE DISTURBANCE AND STABILIZATION

1. DISTURBANCE OF EXISTING AND PROPOSED STEEP SLOPES SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICAL.
2. EXPOSED SLOPES WHERE CONSTRUCTION OPERATIONS WILL NOT OCCUR FOR MORE THAN 10 DAYS SHALL BE TEMPORARILY STABILIZED. SLOPES OF 3:1 OR LESS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING. NO SLOPES STEEPER THAN 3:1 ARE PROPOSED ON THIS PROJECT.
3. ALL SLOPES SHALL BE IMMEDIATELY PERMANENTLY STABILIZED AS THEY ARE BROUGHT TO FINAL GRADE. PERMANENT STABILIZATION SHALL MEET REQUIREMENTS OUTLINED ON THE PLAN SHEETS, SPECIFICATIONS, AND DETAILS.

TEMPORARY SEEDING OR STABILIZATION

1. CONSIDERATION MUST BE GIVEN TO ANTICIPATED CLIMATE AND SEASONAL CONDITIONS WHEN PLANTING SEED.
2. SEED SHALL BE FREE OF WEEDY SPECIES AND APPROPRIATE FOR SITE SOILS AND REGIONAL CLIMATE. SEED AND MUCH PER THE CONSTRUCTION DRAWINGS IMMEDIATELY AFTER TOPSOIL IS APPLIED AND FINAL GRADE IS REACHED.
3. THE SITE HAS ACHIEVED FINAL STABILIZATION ONCE ALL AREAS ARE COVERED WITH BUILDING FOUNDATION OR PAVEMENT, OTHER LANDSCAPING COVER (STONE, MULCH, ETC.) OR A STAND OF GRASS WITH A MINIMUM OF 85% PERCENT DENSITY OVER THE ENTIRE VEGETATED AREA OR GREATER IN ACCORDANCE WITH THE GENERAL PERMIT REQUIREMENTS.
4. VEGETATED AREAS MUST BE WATERED, FERTILIZED, AND RESEEDED AS NEEDED TO ACHIEVE THIS REQUIREMENT.
5. THE VEGETATIVE DENSITY MUST BE MAINTAINED THROUGH PROJECT COMPLETION TO BE CONSIDERED STABILIZED. AREAS PROTECTED BY EROSION CONTROL BLANKETS ARE NOT PERMANENTLY STABILIZED UNTIL THE APPLICABLE GENERAL PERMIT REQUIREMENT FOR FINAL VEGETATIVE DENSITY IS ACHIEVED.
6. RIP RAP, MULCH, GRAVEL, DECOMPOSED GRANITE, OR OTHER EQUIVALENT PERMANENT STABILIZATION MEASURES MAY BE EMPLOYED IN LIEU OF VEGETATION BASED ON SITE-SPECIFIC CONDITIONS, DESIGN, AND GOVERNING AUTHORITY APPROVAL.
7. ALL VEGETATED AREAS SHALL BE INSPECTED REGULARLY TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED.

PERMANENT SEEDING, SOD, OR MULCHING

1. THE GC IS REQUIRED TO, AT A MINIMUM, INITIATE SOIL STABILIZATION MEASURES IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE OR HAVE TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT LIKELY RESUME FOR A PERIOD EXCEEDING 13 CALENDAR DAYS.
2. THE GC HAS 7 DAYS FROM THE INITIATION OF STABILIZATION TO COMPLETE SOIL PREPARATION, SEEDING, MULCHING, AND ANY OTHER REQUIRED ACTIVITIES RELATED TO THE PLANTING AND ESTABLISHMENT OF VEGETATION. THE GC ALSO HAS 7 DAYS FROM INITIATION OF STABILIZATION TO COMPLETELY INSTALL NON-VEGETATED MEASURES, IF UTILIZED.
3. ALL DISTURBED AREAS MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES APPROPRIATE FOR SITE SOIL AND CLIMATE CONDITIONS. MULCH IS REQUIRED FOR

ALL SEEDING APPLICATIONS, AND ALL MULCH APPLICATIONS MUST INCLUDE A SUITABLE FORM OF MULCH ANCHORING TO MINIMIZE MOVEMENT OF MULCH BY WIND OR WATER.

4. ALTERNATIVE STABILIZATION MEASURES TO SEEDING, SUCH AS ANCHORED MULCH APPLICATION (WITHOUT SEEDING), MAY BE UTILIZED DURING PERIODS WHEN VEGETATIVE GROWTH IS UNLIKELY (E.G. WINTER MONTHS).
5. IT IS NOT ACCEPTABLE TO ALLOW BARE SOIL TO REMAIN EXPOSED AT ANY TIME DURING THE YEAR, REGARDLESS OF WEATHER/TEMPERATURE/SITE CONDITIONS.
6. ALLOWABLE ALTERNATIVE STABILIZATION MEASURES TO BE USED ON SITE INCLUDE: ANCHORED STRAW/HAY MULCH, WOOD CELLULOSE FIBER MULCH, AND DECORATIVE GRAVEL.
7. ROLLED EROSION CONTROL PRODUCTS (NETS, BLANKETS, TURF-REINFORCED MATS) AND VEGETATED AREAS NOT MEETING REQUIRED VEGETATIVE DENSITIES FOR FINAL STABILIZATION MUST BE INSPECTED DAILY. RILLING, RUTTING, AND OTHER SIGNS OF EROSION INDICATE THE SPECIFIED EROSION CONTROL DEVICE IS NOT FUNCTIONING OR IS NOT INSTALLED PROPERLY AND/OR ADDITIONAL EROSION CONTROL DEVICES ARE WARRANTED.

NON-COMPLIANCE & CORRECTIVE ACTION MEASURES

1. ANY POORLY FUNCTIONING EROSION CONTROLS OR SEDIMENT CONTROLS, NON-COMPLIANT DISCHARGES, OR ANY OTHER DEFICIENCIES OBSERVED DURING THE INSPECTIONS SHALL BE CORRECTED AS SOON AS POSSIBLE, BUT NOT TO EXCEED 5 DAYS OF THE INSPECTION, UNLESS PREVENTED BY UNSAFE WEATHER CONDITIONS. IN UNSAFE WEATHER CONDITIONS ARE PRESENT, THEY SHALL BE DOCUMENTED.
2. IN THE EVENT OF A BREACH OF A SEDIMENT BASIN/POND, TEMPORARY CONTAINMENT MEASURES SHALL BE TAKEN WITHIN 24 HOURS AFTER THE INSPECTION. PERMANENT CORRECTIVE MEASURES SHALL BE IMPLEMENTED WITHIN 5 DAYS OF THE INSPECTION; HOWEVER, IF PERMANENT CORRECTIVE MEASURES CANNOT BE IMPLEMENTED WITHIN THE TIMEFRAMES REQUIRED, THE CONTRACTOR SHALL INFORM THE RESPONSIBLE OFFICIAL AND/OR ENGINEER OR RECORD (QCP). THE RESPONSIBLE OFFICIAL AND/OR QCP SHALL CONTACT ADEM.
3. THE CONTRACTOR SHALL PROMPTLY TAKE ALL REASONABLE STEPS TO REMOVE, TO THE MAXIMUM EXTENT PRACTICAL, POLLUTANTS DEPOSITED OFF-SITE OR IN ANY WATERBODY OR WATER CONVEYANCE STRUCTURE VIA THE MOST EFFECTIVE METHOD AT HIS DISPOSAL.

INSPECTION REQUIREMENTS

1. A PRE-CONSTRUCTION INSPECTION SHALL BE PERFORMED BY THE QCP OR BY A QUALIFIED PERSON UNDER THE DIRECT SUPERVISION OF A QCP PER SECTION H.1 OF THE GENERAL PERMIT. THE CONTRACTOR SHALL NOTIFY THE QCP PRIOR TO MOBILIZATION OF INTENT TO COMMENCE WORK. NO BMP'S SHALL BE INSTALLED, AND NO LAND DISTURBING ACTIVITIES SHALL BE PERFORMED UNTIL AFTER THE PRE-CONSTRUCTION INSPECTION.
2. CONTRACTOR SHALL OBSERVE ALL BMP'S DAILY AND AFTER EACH RAIN EVENT PER SECTION H.2 OF THE GENERAL PERMIT. EACH DEVICE SHALL BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE-HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES SHALL BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
3. SITE INSPECTIONS SHALL BE PERFORMED BY A QCP, QCP, OR A QUALIFIED PERSON UNDER THE DIRECT SUPERVISION OF A QCP PER SECTION H.3 OF THE GENERAL PERMIT. SITE INSPECTION SHALL BE PERFORMED EACH MONTH AND AFTER ANY QUALIFYING PRECIPITATION EVENT, COMMENCING AS PROMPTLY AS POSSIBLE BY NO LATER THAN 24 HOURS AFTER RESUMING OR CONTINUING ACTIVE CONSTRUCTION OR DISTURBANCE, AND COMPLETED NO LATER THAN 72 HOURS FOLLOWING THE QUALIFYING PRECIPITATION EVENT. A QUALIFYING PRECIPITATION EVENT IS DEFINED AS RAINFALL TOTALING AT LEAST 3/4" IN DEPTH.
4. AN ON-SITE CBMP EVALUATION SHALL BE PERFORMED BY THE QCP OF ALL EROSION AND SEDIMENT CONTROLS BEING IMPLEMENTED FOR ADEQUACY AND CONSISTENCY WITH SITE CONDITIONS PER SECTION H.4 OF THE GENERAL PERMIT. THE CBMP EVALUATION SHALL BE PERFORMED AS OFTEN AS NECESSARY UNTIL POORLY FUNCTIONING OR DAMAGED EROSION CONTROLS OR SEDIMENT CONTROLS ARE CORRECTED AND, AT A MINIMUM, ONCE EVERY THREE MONTHS.

POST-CONSTRUCTION BEST MANAGEMENT PRACTICES

1. CONTRACTOR SHALL IMMEDIATELY PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE PER PLAN SHEETS, SPECIFICATIONS, AND DETAILS.
2. CONTRACTOR SHALL REMOVE ALL TEMPORARY BMP'S.
3. CONTRACTOR SHALL REMOVE ANY ACCUMULATED SEDIMENT FROM DETENTION POND AND PERMANENTLY STABILIZE.
4. CONTRACTOR SHALL INSPECT AND REPAIR AS NECESSARY ALL BMP'S REQUIRED ON PHASE III OF THE CBMP. THE BMP'S ON PHASE III ARE DESIGNATED PERMANENT.

CBMP NARRATIVE

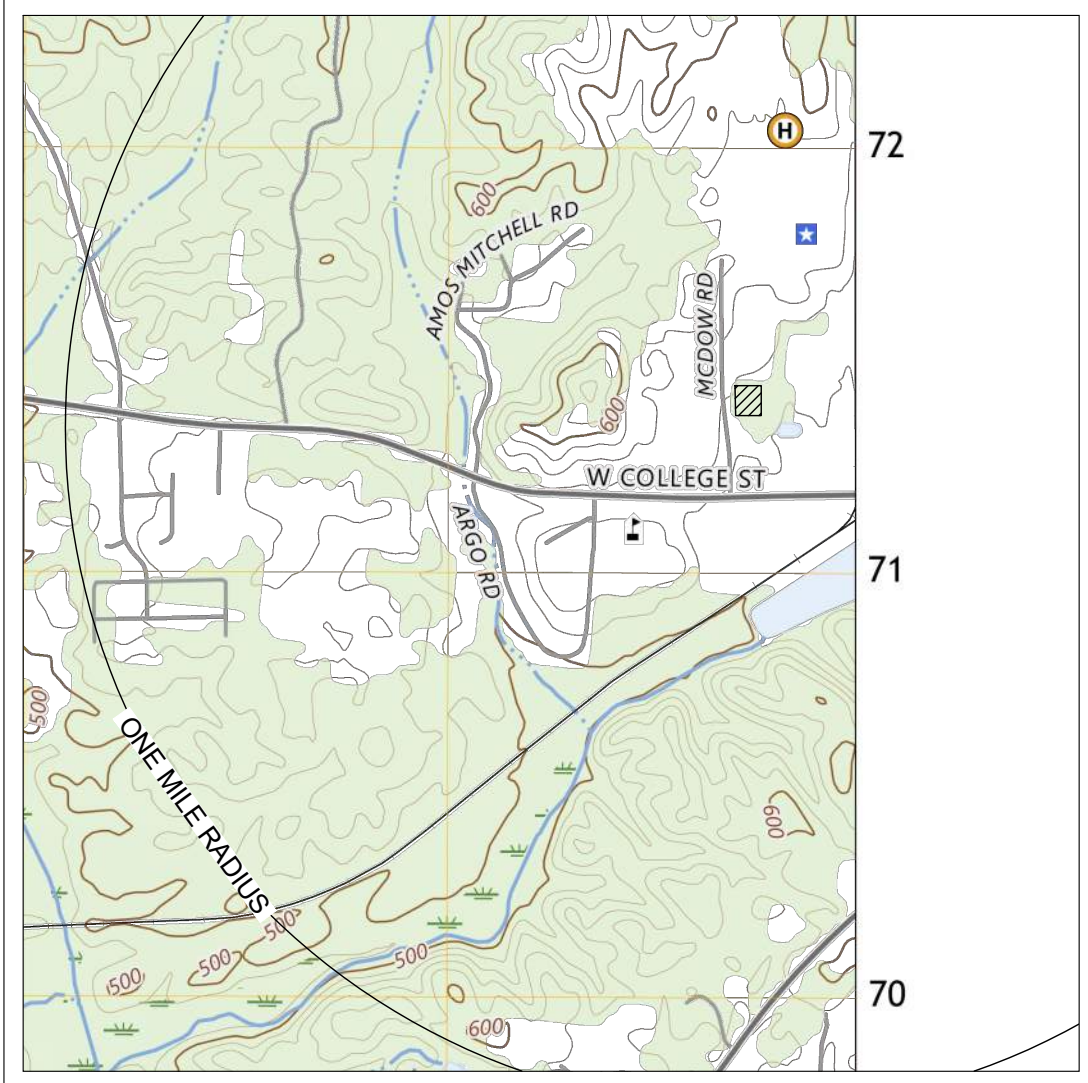
THE PROPOSED PROJECT IS LOCATED ALONG McDOW ROAD IN COLUMBIANA, ALABAMA. THE SITE WILL DISTURB APPROXIMATELY 1.31 AC. THE PROJECT WILL INCLUDE CONSTRUCTION OF A NEW BUILDING AND ASSOCIATED GRADING, AND DRAINAGE WORK. THIS PROJECT HAS THE POTENTIAL TO PRODUCE SILTATION & NONPOINT SOURCE POLLUTANTS, THUS IN AN EFFORT TO EFFECTIVELY REDUCE THE POTENTIAL OF THESE POLLUTANTS, IMPLEMENTATION OF THIS CBMP WILL BE REQUIRED. THIS CBMP HAS BEEN DESIGNED AND WILL BE IMPLEMENTED TO REDUCE THE AMOUNT OF SEDIMENTATION DISCHARGED TO HALFWAY BRANCH AS A RESULT OF THE LAND DISTURBANCE ACTIVITIES.

THE CONSTRUCTION SITE IS NOT A PRIORITY CONSTRUCTION SITE. THIS PROJECT HAS THE POTENTIAL TO PRODUCE SILTATION, THUS IN AN EFFORT TO EFFECTIVELY REDUCE THE POTENTIAL OF THESE POLLUTANTS, IMPLEMENTATION OF THIS CBMP WILL BE REQUIRED. THE SITE CURRENTLY CONSISTS OF GRADES BETWEEN 0% AND 30% SLOPES. AS EXPLAINED BELOW, A COMPREHENSIVE BEST MANAGEMENT PRACTICES PLAN HAS BEEN PREPARED AND IF PROPERLY IMPLEMENTED SHOULD GREATLY REDUCE THE AMOUNT OF SILT, SEDIMENT, AND POLLUTION THAT LEAVES THE PROJECT SITE. NO DISCHARGE OF PATHOGENS IS EXPECTED FROM THIS PROJECT.

SILT FENCE IS TO BE INSTALLED IN LOCATIONS AS SHOWN ON PLANS AROUND THE PERIMETER OF THE LAND DISTURBANCE. A CONSTRUCTION EXIT OF CRUSHED STONE IS TO BE PROVIDED AT THE PROJECT ENTRANCE/EXIT FOR THE REMOVAL OF MUD FROM THE CONSTRUCTION VEHICLES LEAVING THE SITE. DUST CONTROL MEASURES ARE TO BE USED TO CONTROL SURFACE AND AIR MOVEMENT OF DUST ON SITE. INLET PROTECTION WILL BE PROVIDED AT LOCATIONS OF CONCENTRATED FLOW TO PREVENT EROSION AT THOSE LOCATIONS. EROSION CONTROL MATTING WILL BE PLACED ON FILL SLOPES STEEPER THAN 2:1. SURFACE ROUGHENING & SLOPE MATTING/BLANKETS SHALL BE UTILIZED ON SLOPES TO PREVENT EROSION PROBLEMS. DISTURBED AREAS OF THE SITE ARE TO BE STABILIZED AS SOON AS CONSTRUCTION PHASES PERMIT.

BMP CONSTRUCTION IS TO BE COMPLETED IN STRICT ACCORDANCE WITH THE "STATE HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS", LATEST EDITION. BMP DEVICES SHALL BE ROUTINELY INSPECTED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.

VARIOUS EROSION CONTROL MEASURES HAVE BEEN DESIGNED TO ENSURE THAT THE RELEASE OF SEDIMENT FROM THE SITE IS MINIMIZED. ANY CHEMICAL STORAGE REQ'D FOR PROJECT SHALL BE IN ACCORDANCE WITH THE PRODUCT SPECIFIC PRACTICES NOTES ON THIS SHEET. NO OTHER CHEMICAL STORAGE IS ANTICIPATED FOR THIS PROJECT.



SHELBY COUNTY EMA/IT BLDG. USGS QUADRANGLE

RESPONSIBLE OWNER/OPERATOR OR OFFICIAL
COMPANY: SHELBY COUNTY FACILITIES & GENERAL SERVICES
PERMITTEE: TREY GAUNTT
TITLE: CHIEF FACILITIES MANAGEMENT OFFICER
ADDRESS: 280 MCDOW ROAD, COLUMBIANA, AL 35051
PHONE: (205) 670-6461

FACILITY CONTACT:
NAME: TREY GAUNTT
PHONE: (205) 670-6461

DESIGN PROFESSIONAL'S CERTIFICATION:

"I certify under penalty of law that a comprehensive Construction Best Management Practices Plan (CBMP) for the prevention and minimization of all sources of pollution in water and authorized related process wastewater runoff has been prepared under my supervision for this site/activity, and associated regulated areas/activities. The CBMP meets the requirements of this permit and if properly implemented and maintained by the operator, discharges of pollutants in water runoff can reasonably be expected to be effectively minimized to the maximum extent practicable according to the requirements of ADEM Administrative Code Chapter 335-6-6-23 and this Permit. The CBMP describes the erosion and sediment control measures that must be fully implemented and regularly maintained as needed at the permitted site in accordance with sound sediment and erosion control practices to ensure the protection of water quality."

DESIGN PROFESSIONAL/QCP
REGISTRATION/CERTIFICATION: AL PE# 31169
CAREY DANIEL, P.E.
GONZALEZ-STRENGTH & ASSOCIATES, INC.

SECONDARY OPERATORS - THOSE UNDER DIRECT SUPERVISION OF PRIMARY OPERATOR

THE UNDERSIGNED HAVE BEEN PROVIDED A COPY OF THE APPROVED CBMP PLAN				
PRINTED NAME	ADDRESS	PHONE NUMBER	LOCATION OF DISTURBANCE	SIGNATURE

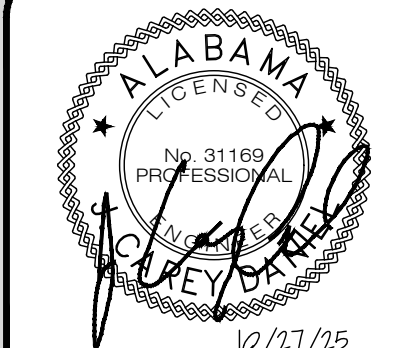
CBMP COVER SHEET & NOTES

SHELBY COUNTY EMA/IT BLDG.

MCDOW ROAD
COLUMBIANA, AL
STEPHEN COKER ARCHITECT, LLC
BIRMINGHAM, AL

GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL & TRANSPORTATION ENGINEERING - LAND SURVEYING - LAND PLANNING
LANDSCAPE ARCHITECTURE - PIPELINE ENGINEERING & SURVEYING
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
BIRMINGHAM, AL 35244
PHONE: (205) 942-2468
WWW.GONZALEZ-STRENGTH.COM

an LJA company



10/27/25

DWG NO.
C500 R 0
PROJECT
25-0406

ADEM NPDES GENERAL PERMIT NOTES (CONT'D):

(THESE NOTES ARE NOT ALL INCLUSIVE OF THE ADEM NPDES GENERAL PERMIT REQUIREMENTS. IT SHALL BE THE PERMITTEE'S RESPONSIBILITY TO ASSURE COMPLIANCE WITH ALL STORMWATER GENERAL PERMIT REQUIREMENTS.)

L. Impaired Waters and Total Maximum Daily Load (TMDL) Waters

1. Permittees discharging from construction sites into waters included on the latest EPA Approved §303(d) List or designated by the Department as impaired:

- (a) The Permittee must determine whether the discharge from any part of the construction site contributes directly or indirectly to a waterbody that is included on the latest EPA Approved §303(d) List or designated by the Department as impaired.
- (b) If the construction site discharges either directly or indirectly to a waterbody included on the latest EPA Approved §303(d) List or designated by the Department as impaired, then the CBMPP must detail the BMPs that are being utilized to control discharges of pollutants of concern associated with the impairment of the waterbody.
- (c) The Permittee must demonstrate the discharges, as controlled by the Permittee, and in conjunction with the implementation of the CBMPP, do not cause or contribute to the impairment of the waterbody.
- (d) If during this permit cycle a new EPA Approved §303(d) List is published, or Department designation, includes any waterbody into which the construction site discharges, the Permittee and QCP must review the CBMPP and the site to determine if existing BMPs are sufficient and discharges do not cause or contribute to the impairment of the waterbody. If existing BMPs are not sufficient to achieve this demonstration, the Permittee must, within sixty (60) days following the publication of the latest final §303(d) List, Department designation, or the effective date of this permit, submit a revised CBMPP detailing new or modified BMPs. The CBMPP must be revised as directed by the Department and the new or modified BMPs must be implemented within ninety (90) days from the publication of the latest final §303(d) list or Department designation.

2. Permittees discharging from construction sites into waters with EPA-Approved TMDLs and/or EPA-Established TMDLs

(a) The Permittee must determine whether its construction site discharges to a waterbody for which a TMDL has been established or approved by EPA.

(b) If a construction site discharges into a water body with an EPA approved or established TMDL, then the CBMPP must include BMPs targeted to control the discharges of pollutants of concern and to meet the assumptions and requirements

Page 16 of 26 of the TMDL. If additional BMPs will be necessary to meet the requirements of the TMDL, the CBMPP must include a schedule for installation and/or implementation of such BMPs.

(c) If, during this permit cycle, a TMDL is approved by EPA or a TMDL is established by EPA for any waterbody into which a construction site discharges, the Permittee must review the applicable TMDL to see if it includes requirements for control of storm water discharges from the construction site.

(d) If it is found that the Permittee must implement specific allocations of the TMDL, it must assess whether the assumptions and requirements of the TMDL are being met through implementation of existing BMPs or if additional BMPs are necessary. The CBMPP must include BMPs targeted to meet the assumptions and requirements of the TMDL.

If existing BMPs are not sufficient, the Permittee must, within sixty (60) days following the approval or establishment of the TMDL by EPA, submit a revised CBMPP detailing new or modified BMPs to be utilized along with a schedule of installation and/or implementation of such BMPs. Any new or modified BMPs must be implemented within ninety (90) days, unless an alternate date is approved by the Department, from the establishment or approval of the TMDL by EPA.

PART IV Standard and General Permit Conditions (PART)

A. Duty to Comply

1. The Permittee must comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the AWPACA and the FWPCA and is grounds for: enforcement action, termination, or suspension of coverage under this permit; denial of a permit renewal application; a requirement that the Permittee submit an application for an individual NPDES permit.

2. For any violation(s) of this Permit, the Permittee may be subject to a civil penalty as authorized by the AWPACA, the FWPCA, and Code of Alabama 1975, §§22-22A-1 et. seq., as amended, and/or a criminal penalty as authorized by Code of Alabama 1975, §22-22-1 et. seq., as amended.

3. The discharge of a pollutant from a source not specifically identified in the NOI to be covered under this Permit and not specifically included in the description of an outfall (where applicable) in this permit is not authorized and shall constitute noncompliance with this permit.

4. Nothing in this Permit shall be construed to preclude or negate the Permittee's responsibility or liability to apply for, obtain, or comply with other ADEM, federal, state, or local government permits, certifications, licenses, or other approvals.

B. Duty to Reapply

1. The Permittee authorized to discharge under this General Permit, who wishes to continue to discharge upon the expiration of this permit, shall submit a NOI to be covered by the reissued General Permit. Such NOI shall be submitted at least 30 days prior to the expiration date of this General Permit.

2. Failure of the Permittee to submit a complete NOI for reauthorization under this permit at least 30 days prior to the permit's expiration will void the automatic continuation of the authorization to discharge under this permit as provided by ADEM Admin. Code r. 335-6-6-.06. Should the permit not be reissued for any reason prior to its expiration date, Permittees who failed to meet the 30-day submittal deadline will be illegally discharging without a permit after the expiration date of the permit.

C. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce construction activities in order to maintain compliance with the conditions of the permit.

D. Duty to Mitigate

The Permittee shall take all reasonable steps to mitigate or prevent any violation of the permit or to minimize or prevent any adverse impact of any permit violation.

E. Proper Operation and Maintenance

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the

operation of backup or auxiliary facilities only when necessary to achieve compliance with the conditions of this permit.

F. Permit Modification, Revocation and Reissuance, Suspension, and Termination

1. During the term of this General Permit the Director may, for cause, and subject to the public notice procedure of ADEM Administrative Code r. 335-6-21, modify or revoke and reissue this General Permit. The causes for this action include the causes listed below:
- (a) When the Director receives any information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;
- (b) When the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision are the permit was issued;
- (c) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge;
- (d) When the level of discharge of any pollutant which is not limited in the permit exceeds the level which can be achieved by the technology based treatment requirements appropriate to the discharge under 40CFR 125.3(c)(1994);
- (e) To correct technical mistakes, such as errors in calculations, or mistaken interpretations of the law made in determining permit conditions;
- (f) When the permit limitations are found not to be protective of water quality standards; or
- (g) For any applicable cause set forth in 40 CFR Sections 122.61, 122.62, 122.63, and 122.64 (1994).

2. Subject to the public notice procedures of rules 335-6-.21, the Director may terminate this General Permit during its term for any of the causes for modification listed in ADEM Admin Code r. 335-6-6-.237)(a).
3. The Director may terminate coverage of a discharge under this general permit for cause. Cause shall include but not be limited to noncompliance with Department rules; or a finding that the general permit does not control with wastewater discharge sufficiently to protect water quality or comply with treatment based limits applicable to the discharge.
4. Any person may petition the Director for withdrawal of this General Permit authority from a discharger. The Director shall consider the information submitted by the petitioner and any other information he may be aware of and may obtain additional information from the discharger and through inspections by Department staff and shall decide if coverage should be withdrawn. The petitioner shall be informed of the Director's decision and shall be provided a summary of the information considered.
- G. Property Rights**
- This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, or any infringement of federal, state, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the state or of the United States.

H. Duty to Provide Information

1. The Permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and re-issuing, suspending, or terminating this permit or to determine compliance with this Permit. The Permittee shall also furnish to the Director upon request, copies of records required to be kept by this Permit.

2. The Permittee shall inform the Director in writing of any change in the Permittee's mailing address or telephone number or in the Permittee's designation of a facility contact or officer having the authority and responsibility to prevent and abate violations of the AWPACA, the Department's rules and the terms and conditions of this permit no later than ten (10) days after such change. Upon request of the Director, the Permittee shall furnish an update of any information provided in the NOI.

3. If the Permittee becomes aware that it failed to submit any relevant facts in the NOI, or submitted incorrect information in the NOI, or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.

4. All information and/or documents required to be submitted to the Department by this general permit shall be submitted via the AEPACS, which can be accessed at the following link, <http://adem.alabama.gov/AEPACS>, or delivered to the following address: Alabama Department of Environmental Management Water Division, Stormwater Management Branch, Post Office Box 301463, Montgomery, Alabama 36130-1463, or 1400 Coliseum Boulevard, 36110-2400, Montgomery, Alabama.

I. Inspection and Entry

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:

1. Enter upon the Permittee's premises where a regulated activity is located or conducted, or where records must be kept under the conditions of this Permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the AWPACA, any activities, substances or parameters at any location.

J. Noncompliance Notification

1. The Permittee must notify the Department if, for any reason, the Permittee's discharge:
- (a) Potentially threatens human health or welfare;
- (b) Threatens fish or aquatic life;
- (c) Causes an in-stream water quality criterion as stated in ADEM Admin. Code Ch. 335-6-10 to be exceeded;
- (d) Does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. §1317(a); or
- (e) Contains a quantity of a hazardous substance which has been determined may be harmful to the public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. §1321(b)(4).
2. The Permittee shall orally report the occurrences, describing the circumstances and potential effects of such discharge to the Director no later than 24-hours after the Permittee becomes aware of the occurrence of such discharge. In addition to the oral report, the Permittee shall submit to the Director a written report as provided in Part IV.J.3 below, no later than five (5) days after becoming aware of the occurrence of such discharge.

3. The written report shall be in a format acceptable to the Department and shall include:

- (a) A description of the noncompliant event, its cause, if known, and location;
- (b) The period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue; and
- (c) A description of the steps taken and/or being taken to reduce or eliminate the noncomplying discharge and to prevent its recurrence.

K. Retention of Records

1. The Permittee shall retain records of all inspection records, monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete such reports, for a period of at least three (3) years from the date of the inspection, sample measurement, or report. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPACA and/or the FWPCA, is ongoing which involves any of these records, the records shall be kept until the litigation is resolved.

2. All records required to be kept for a period of three (3) years shall be kept at the permitted facility or an alternate location identified to the Department in writing and shall be available for inspection upon request.

L. Signatory Requirements

The NOI and all reports or information submitted to the Director shall be signed and certified according to the requirement of ADEM Admin Code r. 335-6-6-.09. Where required by this Permit, documents will also be signed by a QCP or QCI.

M. Transfers

This Permit may not be transferred without notice to the Director and subsequent modification or revocation and reissuance of this Permit. In the case of a change in name, ownership or control of the Permittee's premises, a request for permit modification in a format acceptable to the Director is required within 15 days prior to the change occurring.

N. Bypass

Any bypass of erosion controls, sediment controls, or any other stormwater management/treatment controls specified in the CBMPP is prohibited except as provided by ADEM Admin Code r. 335-6-6-.12(m).

O. Upset

1. Effect of an Upset. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit limitation if the requirements of subparagraph 335-6-6-.12(n)2, are met.
2. Conditions Necessary for Demonstration of an Upset. A Permittee who wishes to establish the affirmative defense of an upset shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that:
- (a) An upset occurred and that the Permittee can identify the specific cause(s) of the upset;
- (b) The treatment facility was at the time being properly operated;
- (c) The Permittee submitted notice of the upset as required in subparagraph 335-6-6-.12(j)6; and
- (d) The Permittee complied with any remedial measures required under paragraph 335-6-6-.12(d).
3. Burden of Proof. In any enforcement proceeding the Permittee seeking to establish the occurrence of an upset has the burden of proof.

P. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

Q. Issuance of an Individual Permit

The Director may require the Permittee to obtain an individual permit for discharges covered by this permit in accordance with ADEM Admin. Code r. 335-6-6-.23(g).

R. Request for Individual Permit by General Permit Holder

1. Any person covered by this General Permit may apply for termination of coverage by applying for an individual NPDES permit.
2. A permit application submitted voluntarily or at the direction of the Director for the purpose of termination of coverage by this General Permit shall be processed in accordance with the rules found in ADEM Admin. Code 335-6-6 applicable to individual permits.
- S. Termination of Coverage**
1. The Director may suspend or terminate coverage under this permit for cause without the consent of the Permittee. Cause shall include, but not be limited to, noncompliance with this permit or the applicable requirements of Department rules, or a finding that this permit does not control the stormwater discharge sufficiently to protect water quality.
2. Voluntary Notice of Termination – Initiated by Permittee
- The Permittee must submit a Notice of Termination (NOT) request electronically, using the Department's AEPACS at <http://adem.alabama.gov/AEPACS>, within thirty (30) days of one of the following conditions:

- (a) Final stabilization as defined in Part V has been achieved on all portions of the site;
- (b) Another operator has assumed control over all areas of the site that have not achieved final stabilization and the new operator has submitted an NOI for coverage under this permit; or
- (c) Coverage under an individual permit or alternative general permit has been obtained.
3. Content of the Voluntary Notice of Termination
- (a) The Permittee name, permit number, and location of the site;
- (b) Certification by the Permittee and the QCP that all construction activity covered by this permit has been completed, all temporary BMPs have been removed and final stabilization has been achieved; or
- (c) Identification, including complete contact information, of the person that has assumed legal or operational control over the construction site.
- (i) Loss of operational control does not relieve the operator from liability and responsibility for compliance with the provisions of this permit until the complete and correct request for termination is received by the Department.
- (ii) Sale or transfer of operational responsibility for the site by the operator prior to the succeeding operator obtaining permit coverage required by this chapter does not relieve the operator from the responsibility to comply with the requirements of this permit.

T. Facility Identification

The Permittee shall post and maintain sign(s) at the front gate/entrance, and if utility installation, where project crosses paved county, State, or federal highways/roads, and/or at other easily accessible location(s) to adequately identify the site prior to commencement of and during NPDES construction until permit coverage is properly terminated. Such sign shall be legible and display the name of the Permittee, "ADEM NPDES ALR10" followed by the four-digit NPDES permit number, facility or project name, and other descriptive information deemed appropriate by the Permittee.

U. Schedule of Compliance

The Permittee shall achieve compliance with the requirements of this permit on the effective date of coverage under this permit.

V. Discharge of Wastewater Generated by Others

The discharge of wastewater generated by any process, facility, or by any other means not under the operational control of the Permittee or not identified in the application for this permit or not identified specifically in the description of an outfall in this permit is not authorized by this permit except as allowed by Part I.

W. Compliance with Water Quality Standards and Other Provisions

1. On the basis of the Permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this Permit will assure compliance with applicable water quality standards. However, this Permit does not relieve the Permittee from compliance with applicable State water quality standards established in ADEM Admin. Code Ch. 335-6-10, and does not preclude the Department from taking action as appropriate to address the potential for contravention of applicable State water quality standards which could result from discharges of pollutants from the permitted facility.

2. Compliance with Permit terms and conditions notwithstanding, if the Permittee's discharge(s) cause(s) or contribute(s) to a condition in contravention of State water quality standards, the Department may require abatement action to be taken by the Permittee, modify the Permit pursuant to the Department's rules and regulations, or both.

3. If the Department determines, on the basis of any investigation, inspection, or sampling, that a modification of this Permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPACA or FWPCA, the Department may require such modification and, in cases of emergency, the Director may prohibit the noticed act until the Permit has been modified.

X. Civil and Criminal Liability

1. Tampering: Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained or performed under this Permit shall, upon conviction, be subject to penalties and/or imprisonment as provided by the AWPACA and/or the AEMA.

2. False Statements: Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this Permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished as provided by applicable State and federal law.

3. Permit Enforcement: This NPDES Permit is a Permit for the purpose of the AWPACA, the AEMA, and the FWPCA, and as such all terms, conditions, or limitations of this Permit are enforceable under State and federal law.

4. Relief From Liability: Except as provided in Part IV.M. (Bypass) and Part IV.N. (Upset), nothing in this Permit shall be construed to relieve the Permittee of civil or criminal liability under the AWPACA, AEMA, or FWPCA for noncompliance with any term or condition of this Permit.

Y. Oil and Hazardous Substance Liability

Nothing in this Permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties to which the Permittee is or may be subject to under Section 311 of the FWPCA, 33 U.S.C. §1321.

CBMPP NOTES

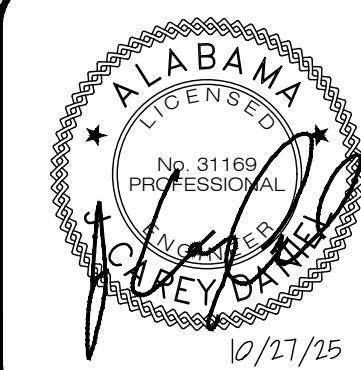
1. THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED THE MINIMUM AMOUNT OF TIME AND THE MINIMUM AREA AS IS PRACTICAL THROUGH GRADING PHASES.
2. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.
3. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
4. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
5. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE OBSERVED BY CONTRACTOR AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
6. SITE INSPECTIONS SHALL BE PERFORMED BY A QCI, QCP, OR A QUALIFIED PERSON UNDER THE DIRECT SUPERVISION OF A QCP. A SITE INSPECTION SHALL BE PERFORMED EACH MONTH AND AFTER ANY QUALIFYING PRECIPITATION EVENT, COMMENCING AS PROMPTLY AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER RESUMING OR CONTINUING ACTIVE CONSTRUCTION OR DISTURBANCE, AND COMPLETED NO LATER THAN 72 HOURS FOLLOWING THE QUALIFYING PRECIPITATION EVENT. A QUALIFYING PRECIPITATION EVENT IS DEFINED AS RAINFALL TOTALING AT LEAST .54" IN DEPTH. MAINTAIN FULL COORDINATION WITH THE DESIGN PROFESSIONAL, CONTRACTOR AND REGULATORY INSPECTOR AT ALL TIMES REGARDING PROJECT SEQUENCE.
8. SEDIMENT SHALL NOT BE WASHED INTO INLETS.
9. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES, IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON-SITE INSPECTOR OR THE CIVIL ENGINEER.
10. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CBMP PLAN.
11. TYPE "A" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE "ALABAMA HANDBOOK FOR EROSION CONTROL," SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS," LATEST ADDITION. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
12. THE CONTRACTOR MAY UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR. THIS PRACTICE IS NOT A MINIMUM REQUIREMENT BUT MAY BE USED WHERE DEEMED PRACTICAL BY THE CONTRACTOR.
13. THE ONLY HAZARDOUS MATERIALS OR FUEL TO BE STORED ON SITE SHALL BE THOSE NEEDED FOR THE CONSTRUCTION ACTIVITIES AND EQUIPMENT. STORAGE OF THESE MATERIALS AND ANY CLEAN-UP PROCEDURES IN THE EVENT OF A SPILL SHALL COMPLY WITH THE REQUIREMENTS OF THIS CBMPP AS WELL AS ALL LOCAL, STATE, AND FEDERAL REGULATIONS. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WHERE THE OPERATION WILL NOT RESUME FOR A PERIOD EXCEEDING (10) CALENDAR DAYS. ALL DISTURBED AREAS LEFT MULCHED LONGER THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
15. CONTRACTOR SHALL OBSERVE BMP'S ONCE EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
16. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED CBMP PLANS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.
18. CUT AND FILL SLOPES ARE NOT TO EXCEED "2H:1V" OR AS SHOWN ON GRADING PLAN.
19. TYPE "A" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCKPILE AREAS.
20. ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
21. ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
22. THE CONTRACTOR SHALL BEGIN PREPARING AND IMPLEMENTING FINAL SITE STABILIZATION WITH PERMANENT VEGETATION & BMP'S.
23. ALL ROADWAY AND PARKING SHOULDERS SHOULD BE GRASSED AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

CBMPP NOTES

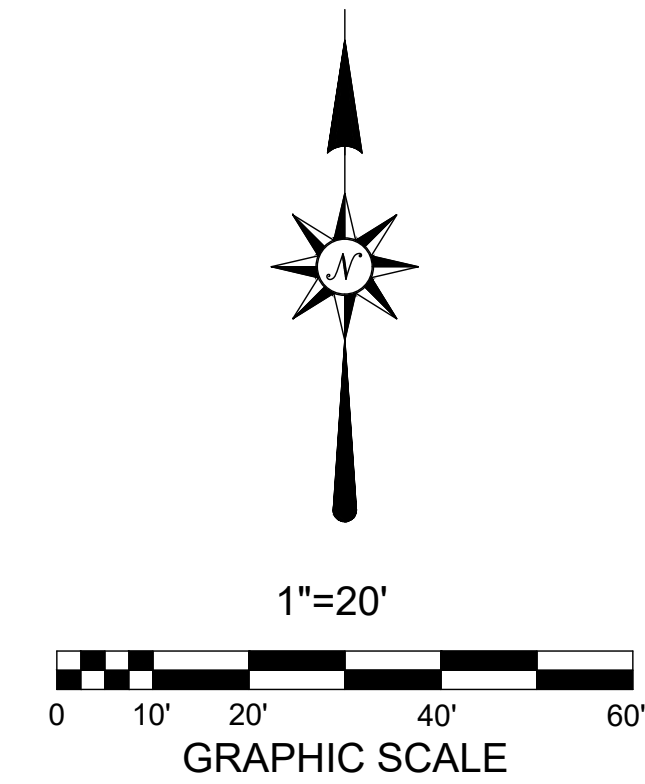
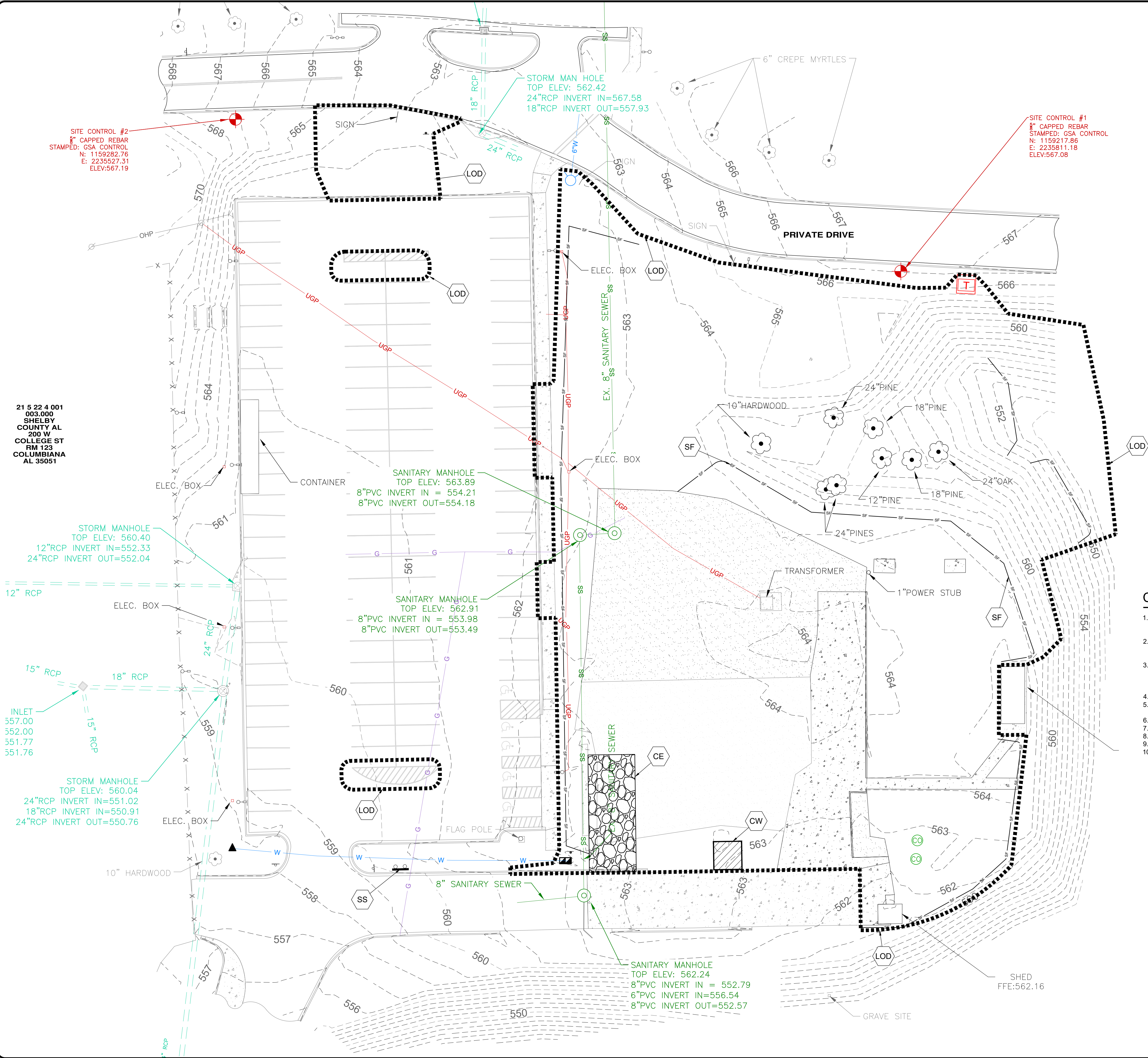
SHELBY COUNTY EMA/IT BLDG.

1550 WOODS OF RIVERCHASE DRIVE SUITE 200
BIRMINGHAM, AL 35244
STEPHEN COKER ARCHITECT, LLC
BIRMINGHAM, AL

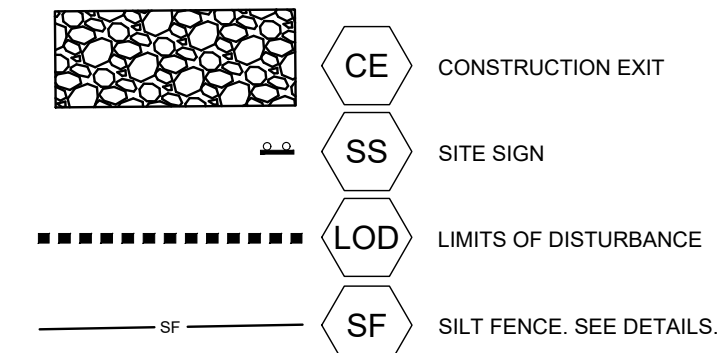
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CBMPP LEGEND



TOTAL LIMITS OF DISTURBANCE: 1.31 ACRES

CBMPP SEQUENCE - INITIAL PHASE

1. INSTALL THE CBMPP INFORMATION SIGN, AND POST REQUIRED DOCUMENTS NEAR THE PLANNED CONSTRUCTION EXIT, AND WITHIN EASY ACCESS TO THE GENERAL PUBLIC WITHOUT ENTERING THE SITE.
2. STAKE/FLAG THE LOD (WHERE STAKING IS NOT POSSIBLE/PRACTICAL, THE LOD MUST BE CONSPICUOUSLY, AND PROMINENTLY, MARKED TO DENOTE THE BOUNDARY). LOD MUST REMAIN CONSPICUOUSLY MARKED THROUGHOUT THE ENTIRE CONSTRUCTION PROJECT.
3. INSTALL PERIMETER SILT FENCES IN THE VICINITY OF, AND DOWN GRADIENT FROM, THE LOCATION OF THE PLANNED CONSTRUCTION OFFICE TRAILER AND TEMPORARY PARKING AND STORAGE AREAS. CLEAR ONLY THE MINIMUM AREA ABSOLUTELY NECESSARY TO INSTALL THESE PERIMETER CONTROL BMPs.
4. SET THE PROJECT OFFICE TRAILER.
5. INSTALL REMAINING PERIMETER SEDIMENT CONTROL BMPs, AS SHOWN ON THE PLANS. CLEAR ONLY THE MINIMUM AREA NECESSARY TO INSTALL PERIMETER CONTROL BMPs.
6. INSTALL CONCRETE WASHOUT.
7. PREPARE TEMPORARY PARKING AND STORAGE AREA.
8. BEGIN DEMOLITION.
9. INSTALL TEMPORARY SEDIMENT BASIN, BAFFLES, AND FAIRCLOTH SKIMMER.
10. BEGIN GRADING SITE.



Know what's below
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EXISTING CONDITIONS LEGEND

REFER TO SHEET C001 FOR
ADDITIONAL NOTES APPLICABLE
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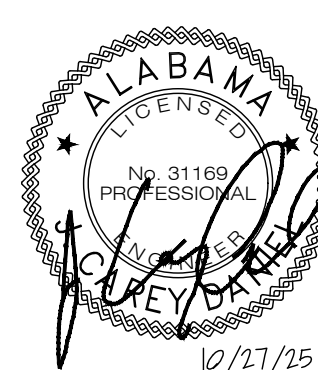
CBMPP - INITIAL PHASE

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COLUMBIANA, AL

STEPHEN COKER ARCHITECT, LLC
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BIRMINGHAM, AL

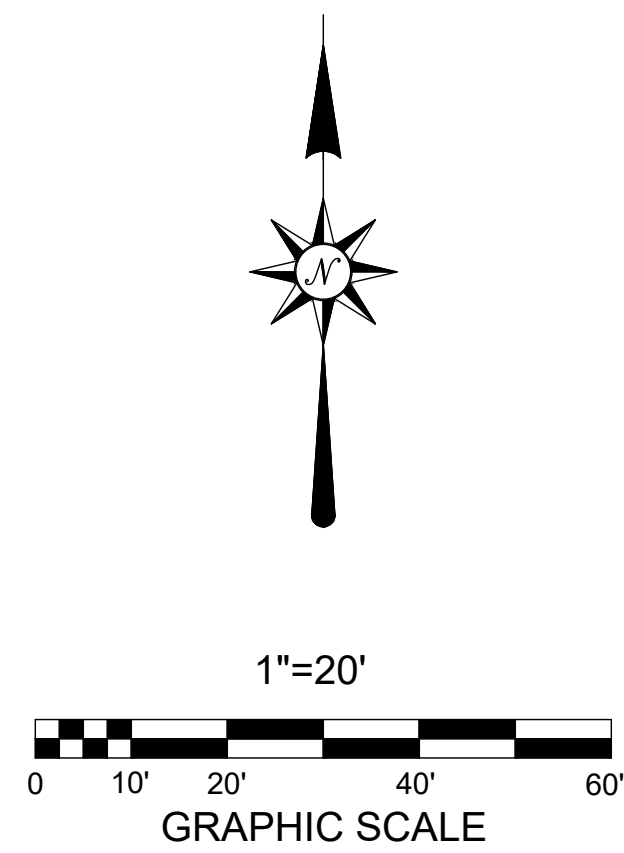
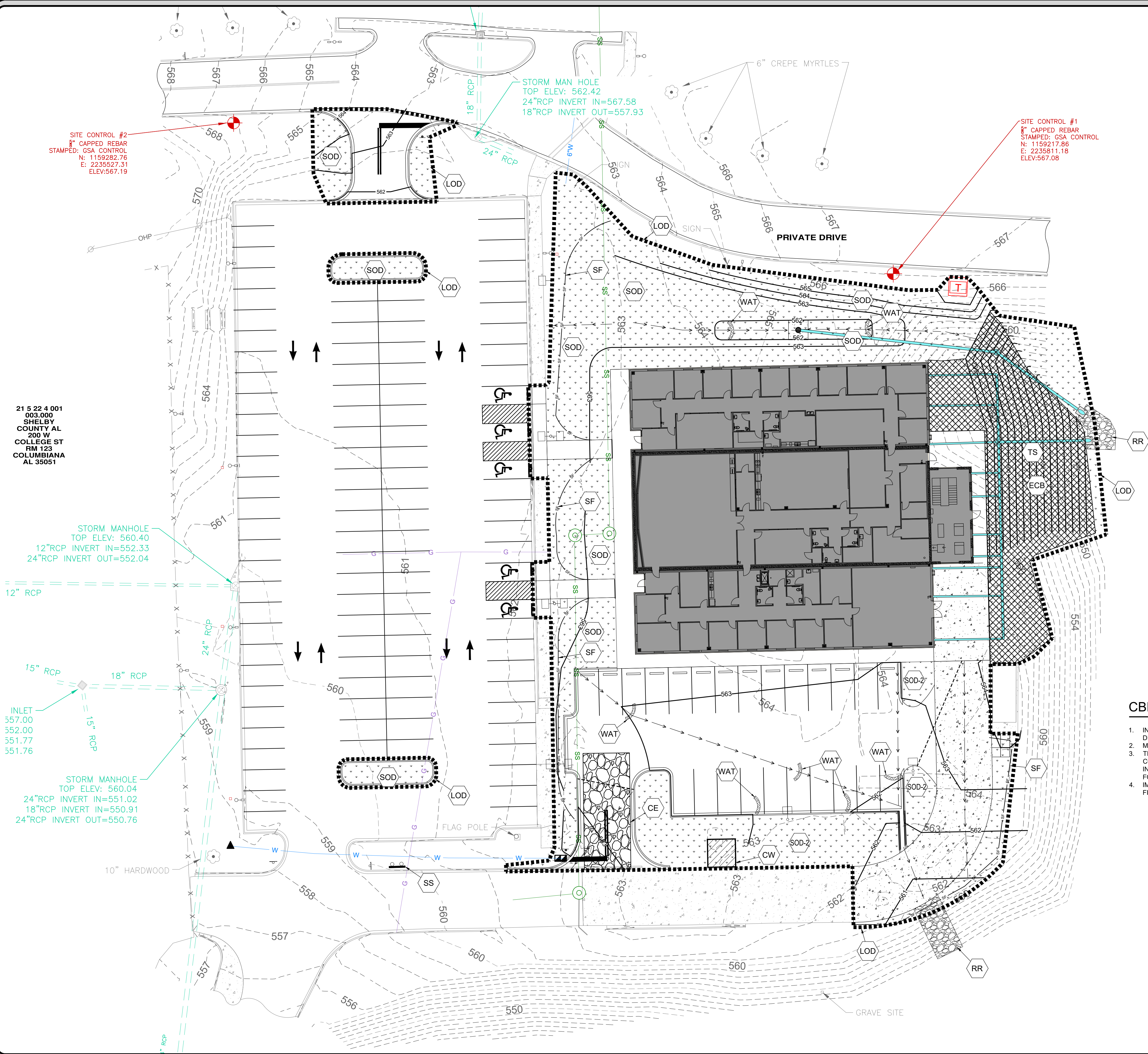
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N:\2025 Projects\Stephen Coker Architect LLC\25-0406_Shelby County EMA/IT Facility_Columbiana, AL\Engineering\Construction Documents\25-0406 CBMPP Plans.dwg Oct 27, 2025 3:40 pm
CBMPP PLANS TEMPLATE V10 - 5/23/24



CBMPP LEGEND

- | | | |
|--|-----|--|
| | CE | CONSTRUCTION EXIT |
| | SS | SITE SIGN |
| | LOD | LIMITS OF DISTURBANCE |
| | SF | SILT FENCE. SEE DETAILS. |
| | IP8 | CURB SACK SEDIMENT FILTER REQ'D. (TYP.) SEE DETAILS. |
| | TS | TEMPORARY SEED. SEE DETAILS. |
| | RR | REQ'D. CLASS I RIPRAP. (TYP.) SEE DETAILS. |
| | ECB | TEMPORARY EROSION CONTROL BLANKET. SEE DETAILS. |
| | WAT | WATTLE CHECK DAM. SEE DETAILS. |
| | SOD | BERMUDA SOD REQ'D. CONTRACTOR TO WATER DAILY FOR 4 WEEKS. SEE DETAILS. |
- TOTAL LIMITS OF DISTURBANCE: 1.31 ACRES

CBMPP LEGEND (ADD ALTERNATE #1)

- | | | |
|--|-------|--|
| | SOD-2 | BERMUDA SOD REQ'D. CONTRACTOR TO WATER DAILY FOR 4 WEEKS. SEE DETAILS. |
|--|-------|--|

CBMPP SEQUENCE - INTERMEDIATE PHASE

1. INSTALL DIVERSION BERMS OR DITCHES AS NECESSARY AS SITE IS BROUGHT TO GRADE TO DIVERT STORMWATER TO THE APPROPRIATE BMP.
2. MAINTAIN INLET PROTECTION FILTER SACKS THROUGHOUT CONSTRUCTION.
3. TEMPORARILY STABILIZE, THROUGHOUT CONSTRUCTION IMMEDIATELY FOLLOWING THE COMPLETION OF THE MOST LAND DISTURBING/GRADING ACTIVITY, ANY DISTURBED AREAS, INCLUDING MATERIAL STOCKPILES THAT ARE SCHEDULED OR LIKELY TO REMAIN INACTIVE FOR 10 DAYS OR MORE.
4. IMMEDIATELY PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.



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COLUMBIANA, AL

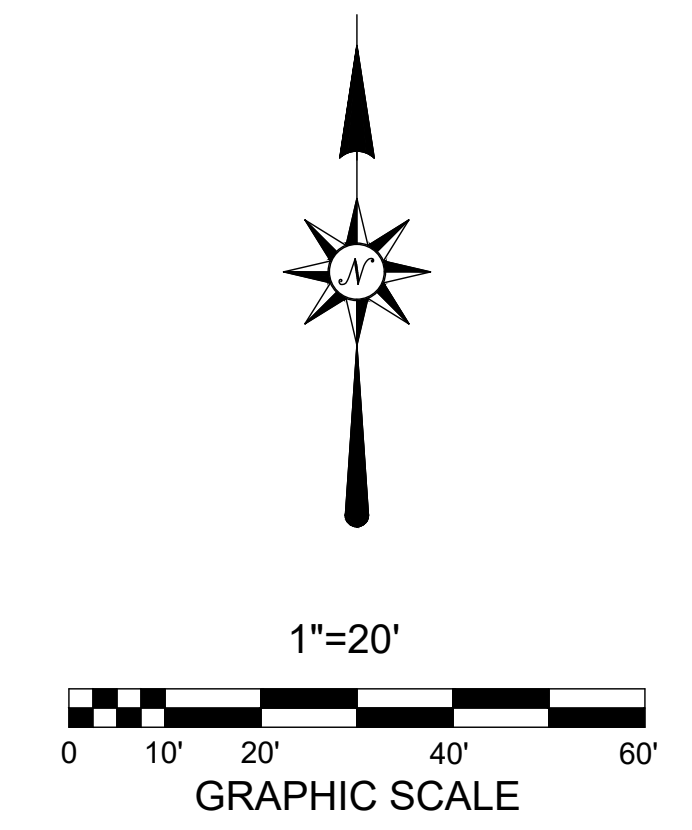
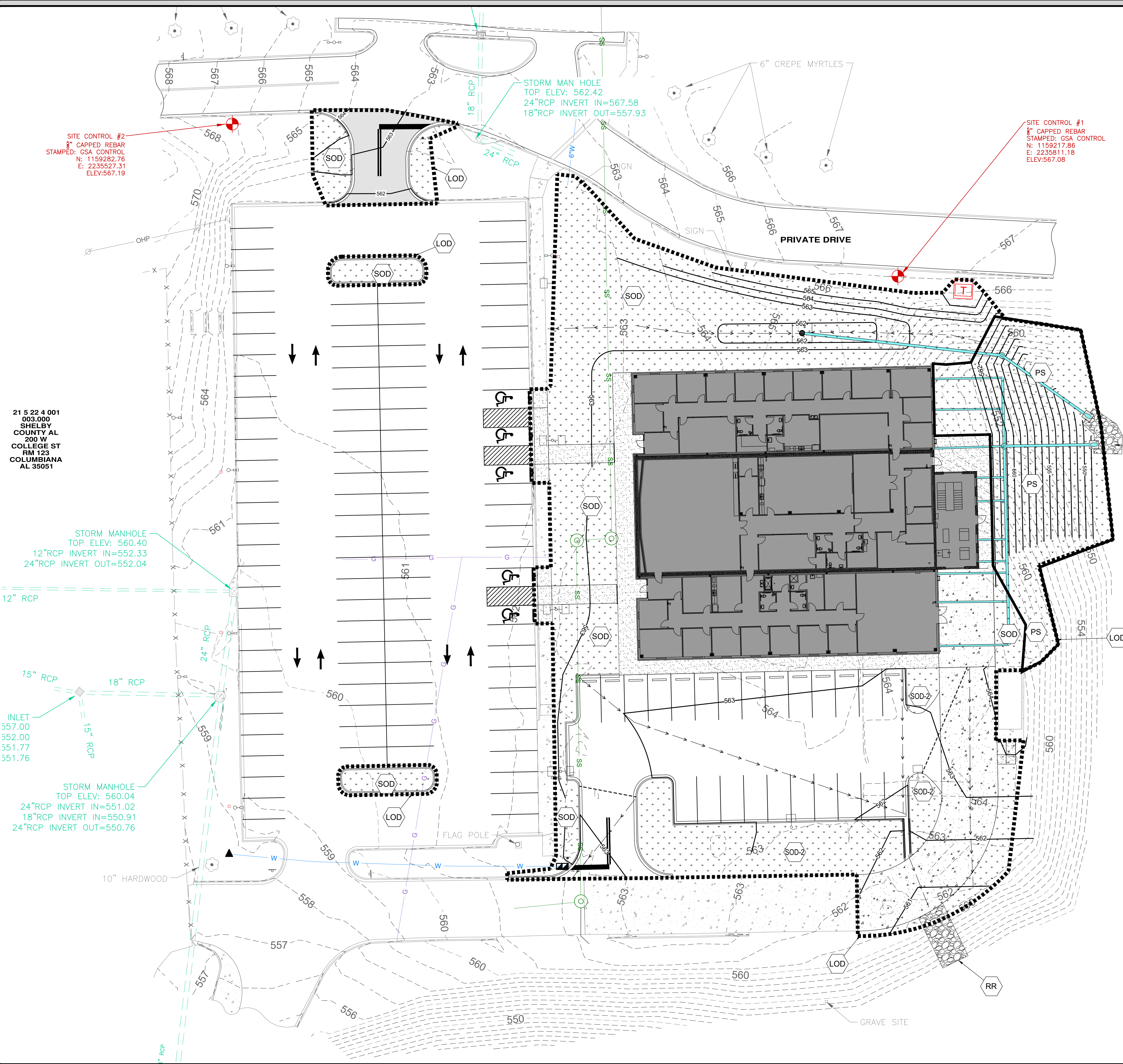
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CBMPP LEGEND

- LOD LIMITS OF DISTURBANCE
 - PS PERMANENT SEED REQ'D. SEE DETAILS.
 - RR REQ'D. CLASS II RIPRAP, (TYP). SEE DETAILS.
 - SOD BERMUDA SOD REQ'D. CONTRACTOR TO WATER DAILY FOR 4 WEEKS. SEE DETAILS.
- TOTAL LIMITS OF DISTURBANCE: 1.31 ACRES

CBMPP LEGEND (ADD ALTERNATE #1)

- SOD-2 BERMUDA SOD REQ'D. CONTRACTOR TO WATER DAILY FOR 4 WEEKS. SEE DETAILS.

CBMPP SEQUENCE - FINAL PHASE

1. TEMPORARILY STABILIZE, THROUGHOUT CONSTRUCTION IMMEDIATELY FOLLOWING THE COMPLETION OF THE MOST RECENT LAND DISTURBING/GRADING ACTIVITY, ANY DISTURBED AREAS, INCLUDING MATERIAL STOCKPILES THAT ARE SCHEDULED OR LIKELY TO REMAIN INACTIVE FOR 10 DAYS OR MORE.
2. ONCE FINAL STABILIZATION IS ACHIEVED AS DETERMINED BY THE CIVIL ENGINEER OF RECORD AND OWNER, CONTRACTOR SHALL REMOVE ALL TEMPORARY BMP'S. ALL RIP RAP SHALL BE CLEANED OF ALL VISIBLE SEDIMENT AND MUD PER MAINTENANCE SPECIFICATIONS AND SHALL REMAIN AS PERMANENT.
3. ONCE FINAL STABILIZATION IS ACHIEVED AS DETERMINED BY THE CIVIL ENGINEER OF RECORD AND OWNER, CONTRACTOR TO FILE NOTICE OF TERMINATION (NOT) WITH ADEM.



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ALABAMA
LICENSED
PROFESSIONAL
SURVEYOR
No. 31169
JOE V. BRYAN
10/27/25

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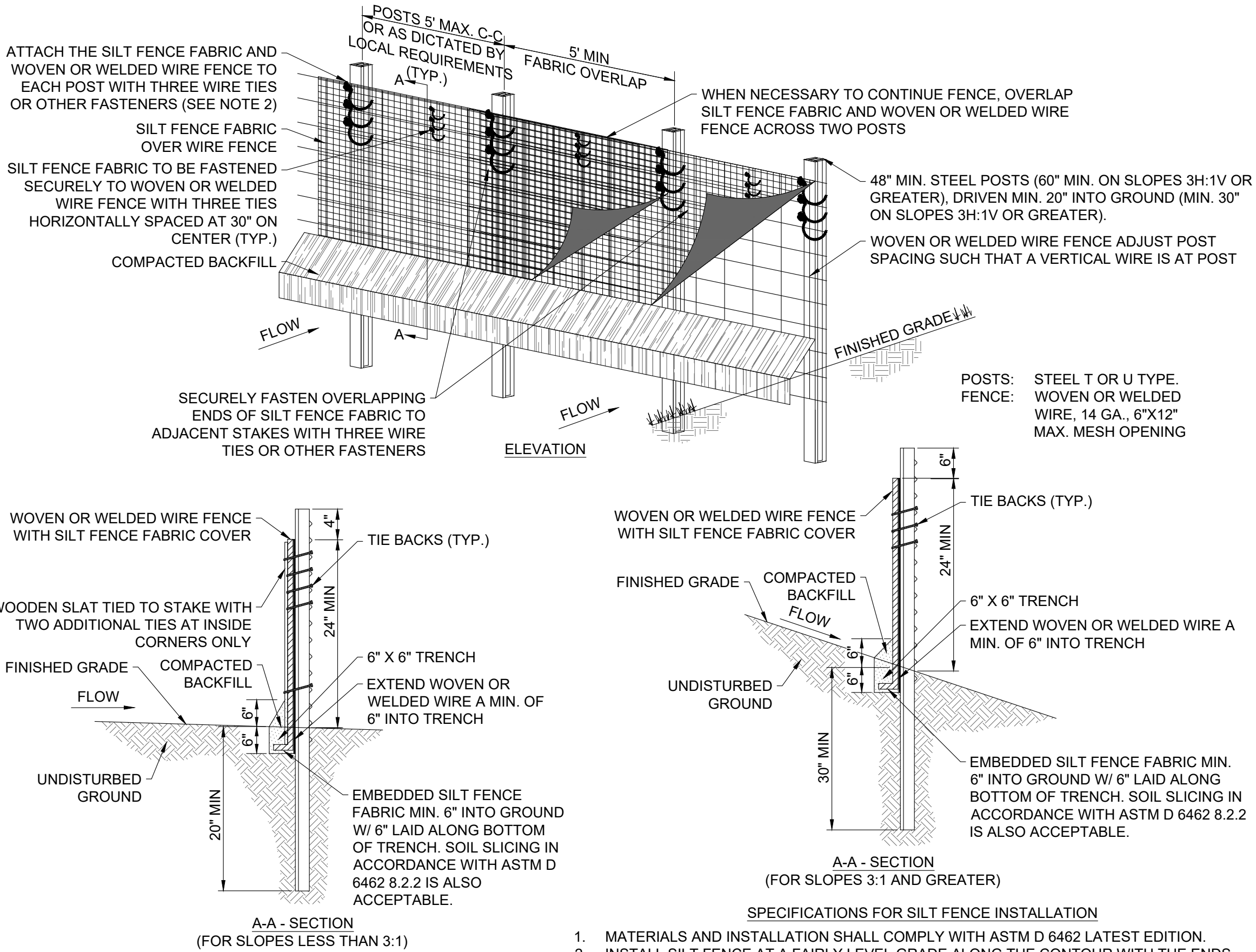


TABLE 1 TEMPORARY SILT FENCE MATERIAL PROPERTY REQUIREMENTS

Grab Strength	Test Method		Units	Supported ^A Silt Fence		Type of Value
	Machine Direction	ASTM D 4632		400 (90)	550 (90)	
	X-Machine Direction			400 (90)	450 (90)	MARV
Permittivity ^B	ASTM D 4491	sec-1	0.05	0.05		MARV
Apparent Opening Size ^B	ASTM D 4751	mm (US Sieve #)	0.60 (30)	0.60 (30)		Max. ARV ^C
Ultraviolet Stability	ASTM D 4355	% Retained Strength	70% after 500 h of exposure	70% after 500 h of exposure		Typical

TABLE 1 TAKEN FROM ASTM D 6461-99 (2007)

A: Silt fence support shall consist of 14 gauge steel wire with a mesh spacing of 150 mm (6 in.) or prefabricated polymer mesh of equivalent strength.

B: These default values are based on empirical evidence with a variety of sediments. For environmentally sensitive areas, a review of previous experience and/or site or regionally specific geotextile tests in accordance with Test Method D 5141 should be performed by the agency to confirm suitability of these requirements.

C: As measured in accordance with Test Method D 4632.

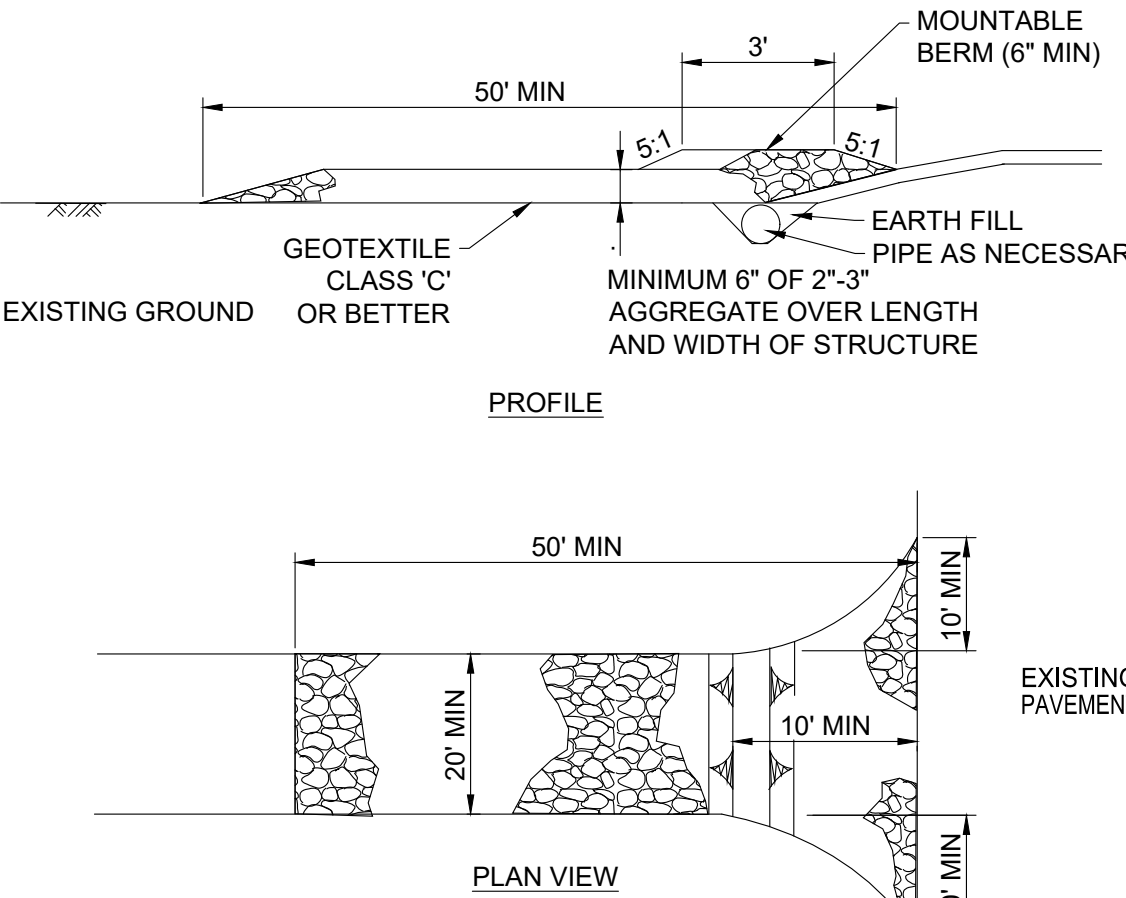
SF - SEDIMENTATION/SILT FENCE WITH WIRE BACKING

N.T.S.

NOTE TO GC: THE GOAL OF A CONSTRUCTION EXIT AND ASSOCIATED WHEEL WASH AREAS IS TO ELIMINATE TRACK OUT. SIMPLY MANAGING TRACK OUT THROUGH DESIGNATED OR CONTINUAL STREET SWEEPING IS NOT AN ACCEPTABLE PRACTICE. WHILE STREET SWEEPING IS AN ACCEPTABLE PRACTICE FOR REMOVING DUST AND MINIMAL AMOUNTS OF FINE SEDIMENT, OBSERVABLE TRACK OUT FROM THE PROJECT SHOULD TRIGGER THE USE OF ADDITIONAL MEASURES (WHEEL WASH), CONSIDERATION OF ALTERNATE EXITS, OR DISCONTINUING VEHICLE TRAFFIC UNTIL CONDITIONS ON-SITE HAVE IMPROVED. TRACK OUT IS A SEDIMENT RELEASE.

MAINTENANCE NOTES

- EXIT SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT/MUD IS PRESENT ON THE SURFACE OF THE STONE.
- ALL MATERIAL REMOVED FROM THE STONE SHALL BE STOCKPILED ON AN UPLAND PORTION OF THE SITE IF SUITABLE FOR REUSE.
- RESHAPE PAD AS NEEDED FOR PROPER DRAINAGE.
- TOP DRESS WITH CLEAN STONE AS NEEDED.
- IMMEDIATELY REMOVAL OF SEDIMENT ON ADJACENT STREET.



NOTES:

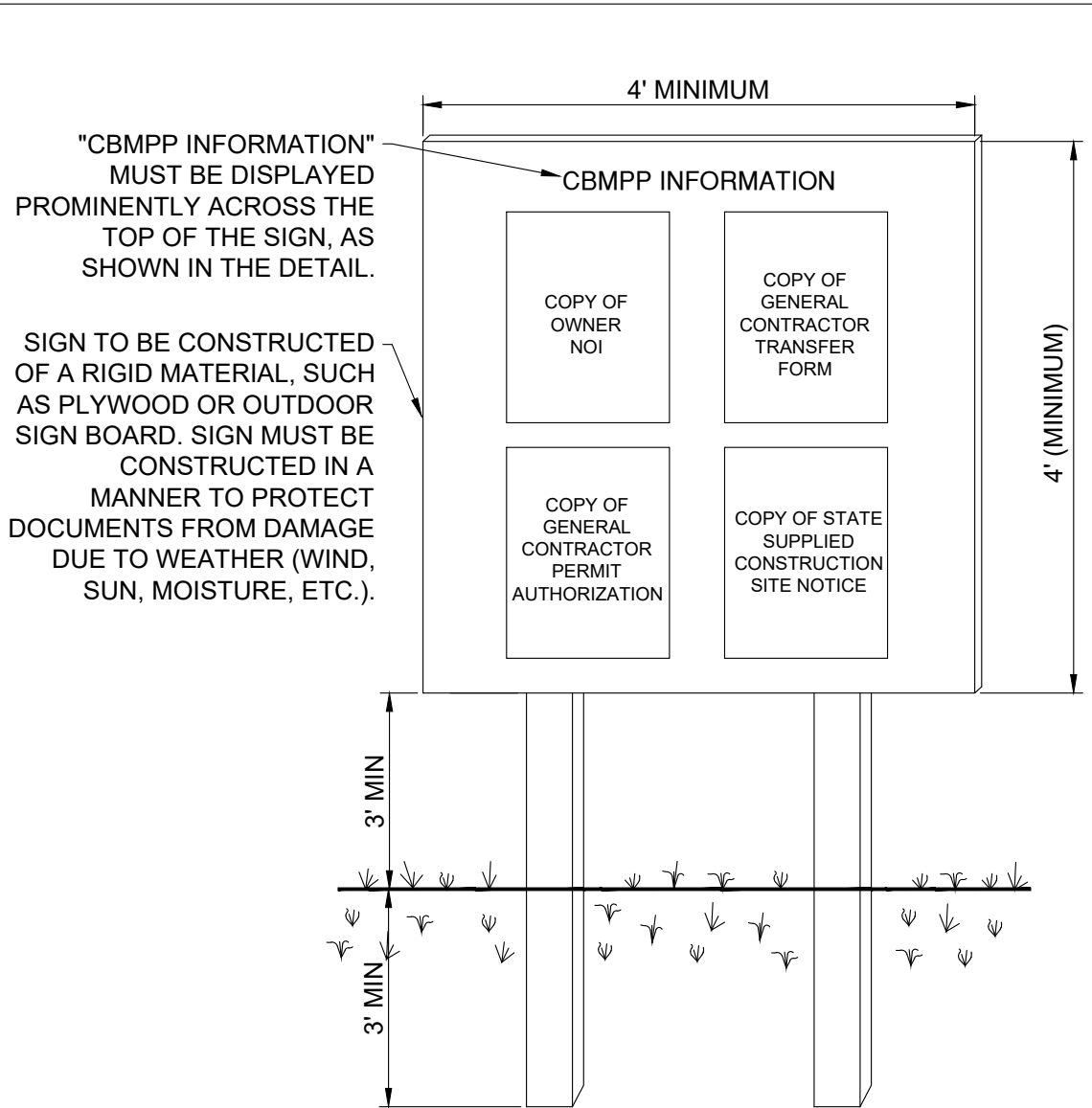
- ALL SITE ACCESS MUST BE CONFINED TO THE CONSTRUCTION EXIT(S). BARRICADE TO PREVENT USE OF ANY LOCATIONS OTHER THAN THE CONSTRUCTION EXIT(S) WHERE VEHICLES OR EQUIPMENT MAY ACCESS THE SITE.
- CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING/BYPASSING THE EXIT.
- PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED. SEDIMENT TRAP SHALL BE LOCATED OUTSIDE OF THE RIGHT-OF-WAY AND AT A MINIMUM SETBACK DISTANCE AS REQUIRED PER LOCAL JURISDICTION.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION EXIT(S) IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. ALL WASH WATER MUST BE ROUTED TO A SEDIMENT TRAP OR OTHER TREATMENT AREA AND SHALL NOT BE DIRECTLY DISCHARGED OFF-SITE.
- LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF SEDIMENT TRACKING BEYOND THE PERMITTED PROJECT AREA. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- ANY SEDIMENT DEPOSITED ON THE ROADWAY SHALL BE SWEEP AS NECESSARY (AND WITHIN THE SAME DAY AS DISCOVERY) AND DISPOSED OF IN AN APPROPRIATE MANNER. SEDIMENT SHALL NOT BE WASHED INTO STORM SEWER SYSTEMS.
- EXIT(S) SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD BEYOND THE EXIT(S). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXIT(S) AS CONDITIONS DEMAND.
- CONTRACTOR SHALL BE PERMITTED TO TURN THE STONE WHEN THE SURFACE BECOMES SMOOTH AND SURFACE VOIDS ARE FILLED TO MAINTAIN EFFECTIVENESS OF CONSTRUCTION EXIT UNTIL SUCH TIME THAT VOIDS BELOW THE SURFACE BECOME FILLED AND THE CONSTRUCTION EXIT IS NO LONGER EFFECTIVE. AT SUCH A TIME THE CONTRACTOR SHALL REMOVE THE INEFFECTIVE STONE AND REPLACE PER DETAIL.
- IF EXIT BMP IS STILL INEFFECTIVE, GC MUST CONTACT THE ENGINEER AND SUBMIT AN RFI AS NECESSARY.

MAINTENANCE NOTES

- SILT FENCES SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE SILT FENCE. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING ON-THIRD THE HEIGHT OF THE SILT FENCE.
- ALL MATERIAL EXCAVATED FROM BEHIND SILT FENCE SHALL BE STOCKPILED ON AN UPLAND PORTION OF THE SITE IF SUITABLE FOR REUSE.
- SPECIAL ATTENTION SHOULD BE PAID TO ENSURE THAT NO UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINING SECTIONS.
- IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF SILT FENCE, THE CONTRACTOR SHOULD IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPS (PENDING CEC APPROVAL) TO PREVENT EXCESSIVE BUILDUP ON SILT FENCE.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.

CE - CONSTRUCTION EXIT

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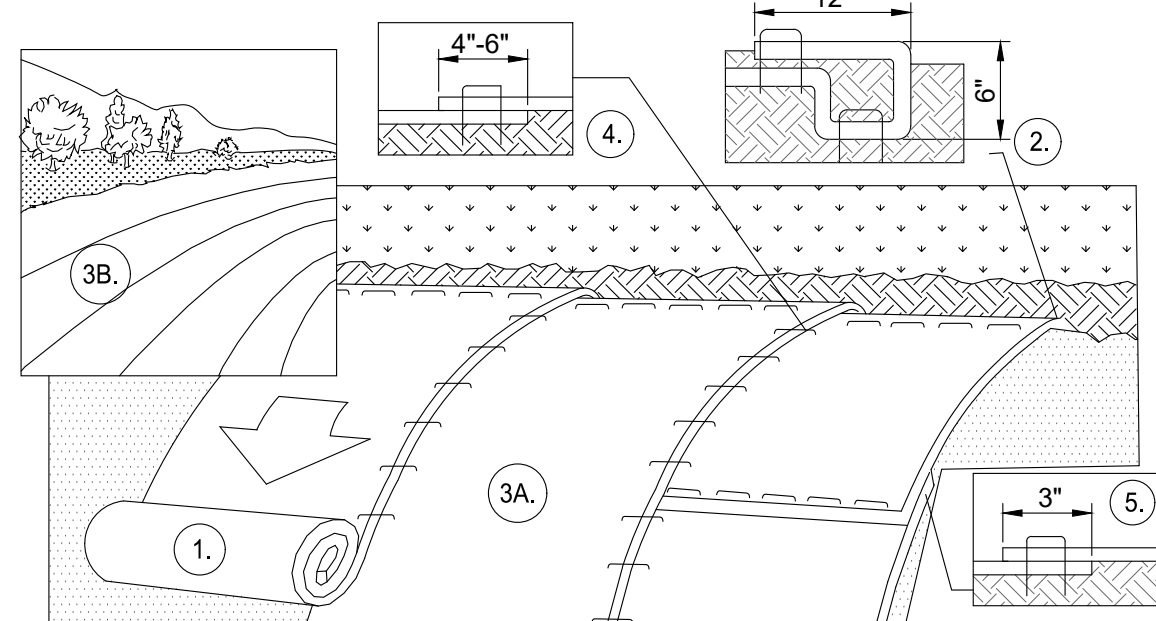


NOTES:

- THE CBMPP INFORMATION SIGN MUST BE LOCATED IN A PROMINENT, PUBLICLY ACCESSIBLE LOCATION NEAR THE MAIN ENTRANCE OF THE SITE, SUCH THAT THE DOCUMENTATION CAN BE READ WITHOUT ACCESSING THE JOBSITE, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A TRAFFIC SAFETY HAZARD.
- ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE OF TERMINATION (NOT) IS FILED FOR THE PERMIT.
- ALL PAGES OF NOTICES OF INTENT AND PERMIT AUTHORIZATIONS MUST BE POSTED. THE CONTRACTOR MAY UTILIZE ACCESSIBLE WATERPROOF FOLDERS TO STORE THESE DOCUMENTS IF IT WILL BE DIFFICULT TO POST ALL PAGES INDIVIDUALLY.
- CONTRACTOR SHALL POST OTHER STORMWATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCIES.
- SUBSEQUENT PERMIT MODIFICATION REQUESTS OR RENEWAL APPLICATIONS AND THEIR ASSOCIATED AUTHORIZATIONS OR RESPONSES SHALL BE POSTED ON THE CBMPP SIGN.
- SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE CBMPP INFORMATION SIGN.

SS - CBMPP INFORMATION SIGN

N.T.S.



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEYOND THE UP-SLOPE PORTION OF THE TRENCH, ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURES RECOMMENDATION.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 4"-6" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
- CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
- PLACE STAPLES/STAKES PER MANUFACTURE RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.
- IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
- FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION

ECB - EROSION CONTROL BLANKET

N.T.S.

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CBMPP DETAILS

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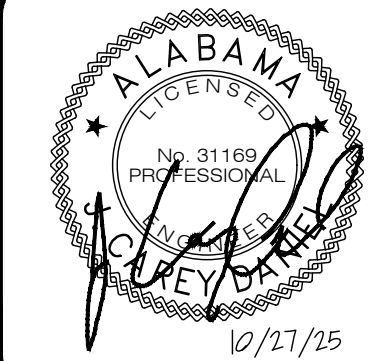
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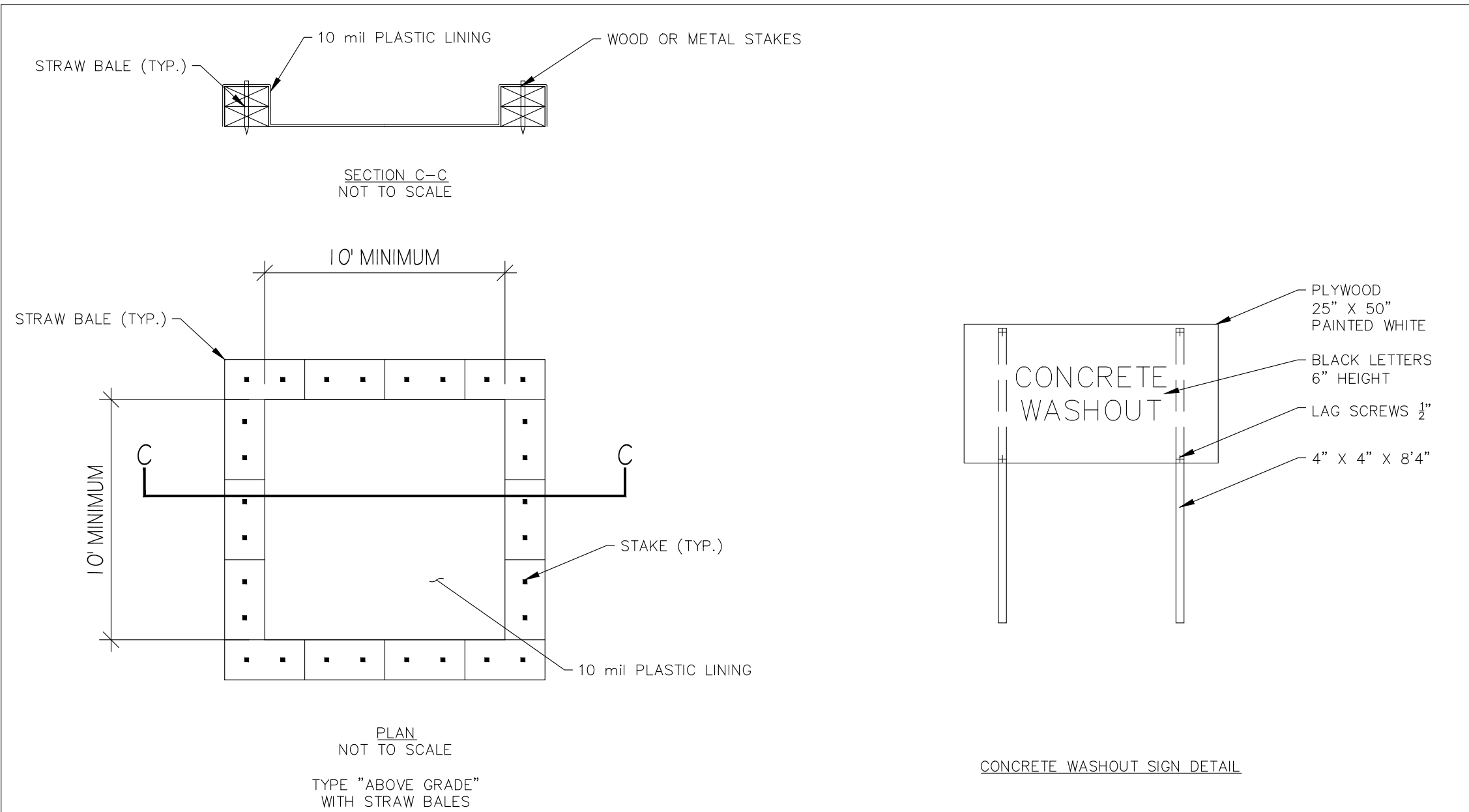
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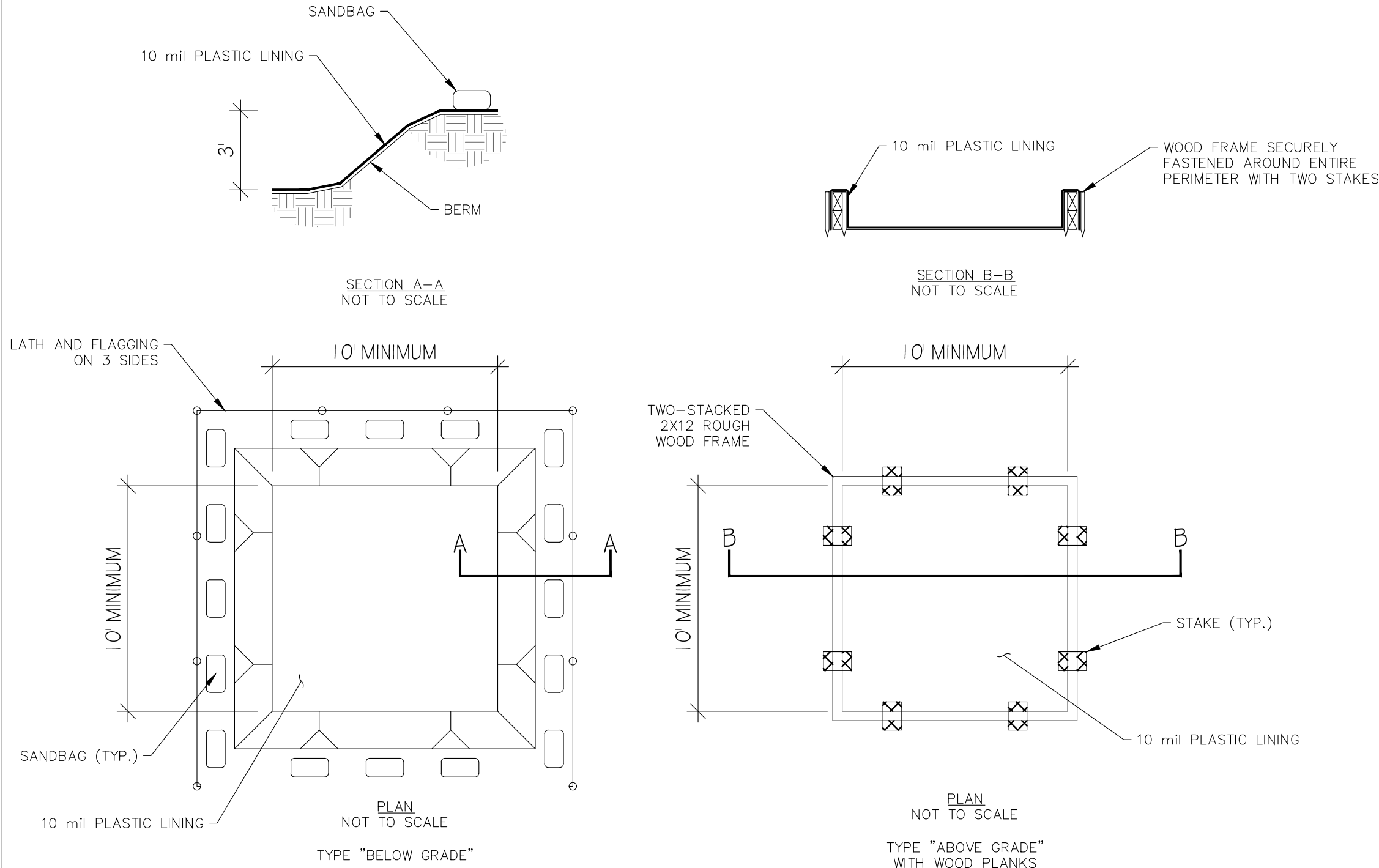
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1. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY TO USE ONCE THE WASHOUT IS 75% FULL.
2. IF THE WASHOUT IS NEARING CAPACITY, VACUUM AND DISPOSE OF THE WASTE MATERIAL IN AN APPROVED MANNER.
3. DO NOT DISCHARGE LIQUID OR SLURRY TO WATERWAYS, STORM DRAINS OR DIRECTLY ONTO GROUND.
4. DO NOT USE SANITARY SEWER WITHOUT LOCAL APPROVAL.
5. PLACE A SECURE, NON-COLLAPSING, NON-WATER COLLECTING COVER OVER THE CONCRETE WASHOUT FACILITY PRIOR TO PREDICTED WET WEATHER TO PREVENT ACCUMULATION AND OVERFLOW OF PRECIPITATION.
6. REMOVE AND DISPOSE OF HARDENED CONCRETE AND RETURN THE STRUCTURE TO A FUNCTIONAL CONDITION. CONCRETE MAY BE REUSED ONSITE OR HAULED AWAY FOR RECYCLING OR DISPOSAL IN A LEGAL MANNER.
7. AFTER CLEANOUT CHECK THE STRUCTURE FOR LEAKS AND DAMAGE AND REPAIR STRUCTURE OR REPLACE LINER AS NECESSARY.



NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED
4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

CW - CONCRETE WASHOUT DETAIL

N.T.S.

1. SOIL TEST REPORT: INSTALLER SHALL PROVIDE AND PAY FOR A SOIL TEST REPORT TO DETERMINE TYPE AND QUANTITIES OF FERTILIZERS AND OTHER AMENDMENTS NECESSARY TO ESTABLISH PROPER PH FACTOR AND NUTRIENTS TO BRING EXISTING SOIL TO A SATISFACTORY LEVEL FOR PLANT GROWTH. FURNISH COPIES OF SOIL TEST REPORT TO ENGINEER. CONTACT LOCAL COUNTY AGENT FOR TESTING.
2. SEED: PROVIDE A FRESH, CLEAN, NEW-CROP SEED COMPLYING WITH ESTABLISHED TOLERANCES FOR GERMINATION AND PURITY IN ACCORDANCE WITH THE USDA RULES AND REGULATIONS OF THE FEDERAL SEED ACT, LATEST EDITION. SEED SHALL BE MIXED BY DEALER AND DELIVERED IN SEALED CONTAINERS BEARING DEALER'S GUARANTEED ANALYSIS.
3. PREPARATION FOR NEWLY SEEDED AREAS: SPREAD A MINIMUM OF 4" OF TOPSOIL OVER AREAS TO BE SEEDED. GRADE AREAS FOR PROPER DRAINAGE. ADD FERTILIZERS IN QUANTITIES AS RECOMMENDED IN THE SOIL TEST REPORT. APPLY SEED AT RATES SPECIFIED. ROLL OR RAKE SEED INTO TOP 1/4" OF SOIL AND COVER SEEDED AREAS WITH STRAW MULCH AT A MINIMUM RATE OF 75 LBS PER 1000 SF. DO NOT PLACE TOPSOIL ON CUT SLOPES STEEPER THAN 2.5:1.
4. MAINTENANCE & GUARANTEE: ALL SEEDED AND TURF AREAS SHALL BE GUARANTEED AND MAINTAINED IN STRICT ACCORDANCE WITH SPECIFICATIONS. MAINTAIN ALSO BY WATERING, FERTILIZING, MOWING, WEEDING, APPLICATIONS OF HERBICIDES, FUNGICIDES, INSECTICIDES, AND RE-SEEDING UNTIL A FULL STAND OF TURF, FREE FROM WEEDS, UNDESIRABLE GRASS SPECIES, DISEASE, AND INSECTS IS ACHIEVED AND ACCEPTABLE TO OWNER
5. INSTALL EROSION CONTROL BLANKET ON SLOPES STEEPER THAN 3:1 AND AS DIRECTED ON THE SITE PLANS AFTER SEED HAS BEEN INSTALLED.
6. MIXTURES: SEED AREAS AS SPECIFIED AND NOTED ON DRAWINGS WITH THE FOLLOWING MIXTURES. SEED MIXTURES C (WITH ANNUAL RYE GRASS) SHALL BE MOWED TO A HEIGHT NOT TO EXCEED 3" DURING WINTER MONTHS. MOW TO A HEIGHT OF 1.5" IN MIDDLE OF MAY OR WHEN THE BERMUDA GRASS BEGINS TO GERMINATE.

Slopes Steeper than 3:1 (H:V)
MIX-A (SEP thru MAR)
Reseeding Crimson Clover (30#/ac)
Bermuda - hulled (30#/ac)
Annual Rye (100#/ac)

Slopes 3:1 (H:V) and Flatter
MIX-C (SEP thru MAR)
Bermuda-unhulled (45#/ac)
Annual Rye (100#/ac)

MIX-B (APR thru AUG)
Reseeding Crimson Clover (60#/ac)
Bermuda - unhulled (50#/ac)

MIX-D (APR thru AUG)
Bermuda - hulled (64#/ac)

TS - SEEDING NOTE

N.T.S.

SEEDING

Construction Specifications:

Timing:

- Apply permanent seeding on areas left dormant for 1 year or more.
- Divert concentrated flows away from the seeded area.
- To determine optimum seeding schedule, consult a local agronomist or erosion control specialist.
- Apply permanent seeding before seasonal rains or freezing weather is anticipated.
- Use dormant seeding for late fall or winter seeding schedules.

Seed Mixes:

- Use seeds appropriate to the season and site conditions.
- Consult local agronomist or erosion control specialists for seed mix.
- Use a seed blend to include annuals, perennials and legumes.
- Use seed rates based on pure live seed (PLS) of 80%. When PLS is below 80% adjust rates accordingly.

Site Preparation:

- Bring the planting area to final grade and install the necessary erosion control practices.
- Divert concentrated flows away from the seeded area.
- Conduct soil test to determine pH and nutrient content. Roughen the soil by harrowing, tracking, grooving or furrowing.

- Apply amendments as needed to adjust pH to 6.0-7.5. Incorporate these amendments into the soil.
- Prepare a 3-5 inch (76-127 mm) deep seedbed, with the top 3-4 inches (76-102 mm) consisting of topsoil.

- The seedbed should be firm but not compact. The top three inches of soil should be loose, moist and free of large clods and stones.
- The topsoil surface should be in reasonably close conformity to the lines, grades and cross sections shown on the grading plans.

Planting:

- Seed to soil contact is the key to good germination.
- Seed should be applied immediately after seedbed preparation while the soil is loose and moist.
- If the seedbed has been idle long enough for the soil to become compact, the topsoil should be harrowed with a disk, spring tooth drag, spike tooth drag, or other equipment designed to conditions the soil for seeding.

- Harrowing, tracking or furrowing should be done horizontally across the face of the slope.
- Seed to soil contact is the key to good germination.

- Always apply seed before applying mulch.

- Apply seed at the rates specified using calibrated seed spreaders, cyclone seeders, mechanical drills, or hydroseeder so the seed is applied uniformly on the site.
- Broadcast seed should be incorporated into the soil by raking or chain dragging, and then lightly compacted to provide good seed-soil contact.

- Apply fertilizer as specified.

- Apply mulch or erosion control blanket, as specified, over the seeded areas. Inspection and Maintenance:

- Newly seeded areas need to be inspected frequently to ensure the grass is growing.
- If the seeded area is damaged due to runoff, additional stormwater measures may be needed.
- Spot seeding can be done on small areas to fill in bare spots where grass did not grow properly.

NOTE: DURING "NEW FAILURE" MONTHS SEEDING CONTRACTOR TO SPREAD MULCH OR HAY FOR SLOPE STABILIZATION.

- *USE A MINIMUM OF 40 LBS. SCARIFIED SEED. REMANDER MAY BE UNSCARIFIED, CLEAN HULLED SEED.
- *USE OTHER COMMON SEEDS OR INTERSTATE SEEDS (LSPBSEA).
- *ALL AREAS TO BE SEEDED SHALL HAVE LIME APPLIED AT A RATE OF 90 LB./1000 S.F.. LIME AND FERTILIZER TO BE APPLIED PRIOR TO APPLICATION OF SEED AND MIXED THOROUGHLY WITH THE SOIL.
- *ALL AREAS SEEDED SHALL HAVE AN APPLICATION OF STRAW MULCH (APPROXIMATELY 2 1/2 TONS PER ACRE) IMMEDIATELY AFTER PLANTING REGARDLESS OF PLANTING METHOD.
- *MAINTAIN 1 YEAR MINIMUM
- *FERTILIZER: AGRICULTURAL LIME 1 TON PER ACRE
- *P-15-15-15 OR 6-10-15 1000 LB. PER ACRE
- *VEGETATIVE MEASURES SHALL BE PER ALOUT OR ALABAMA EROSION HANDBOOK STANDARD REQUIREMENTS AND SPECIFICATIONS

PS - PERMANENT SEEDING

N.T.S.

MU — TEMPORARY MULCHING

MU_a — PERMANENT MULCHING

MULCHING APPLICATION REQUIREMENTS		
MATERIAL	RATE	
Straw or hay	2 1/2ton/Acre	
Wood waste, chips, sawdust, bark	6 to 9 Ton/Acre	
Polyethylene film	Secure with soil, anchors, weights	
Geotextiles, jute matting, netting, etc.	Install per manufacturer specifications	

TS — TEMPORARY SEEDING

PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS			
SPECIES	BROADCAST Rates PLS per per Acre 1000 SF	RESOURCE	REMARKS
SUDANGRASS			
ALONE	40 lbs. 0.9 lb. 10 lbs. 0.2 lb.	NORTH CENTRAL SOUTH	
WHEAT			
ALONE	3 bu. 3.9 lb. (168 lbs.)	NORTH CENTRAL SOUTH	
MILLET, BROWNTOP (Pennisetum fasciculatum)			
ALONE	40 lbs. 0.9 lb. 10 lbs. 0.2 lb.	NORTH CENTRAL SOUTH	137,000 SEED PER POUND QUICK DENSE COVER WILL PROVIDE TOO MUCH COMP-ETITION IN MIXTURES IF SEEDED AT HIGH RATES
RYE (Secale cereale)			
ALONE	3 bu. 3.9 lb. (168 lbs.) 1/2 bu. 0.6 lb. (28 lbs.)	NORTH CENTRAL SOUTH	18,000 SEED PER POUND DENSE COVER VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES
RYEGRASS, ANNUAL (Lolium temulentum)			
ALONE	30 lbs. 0.7 lb.	NORTH CENTRAL SOUTH	227,000 SEED PER POUND DENSE COVER VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES
COMMON BERMUDAGRASS			
ALONE	10 lbs. 0.25 lb.	NORTH CENTRAL SOUTH	
CRIMSON CLOVER			
ALONE	10 lbs. 0.25 lb.	NORTH CENTRAL SOUTH	

PS — PERMANENT SEEDING

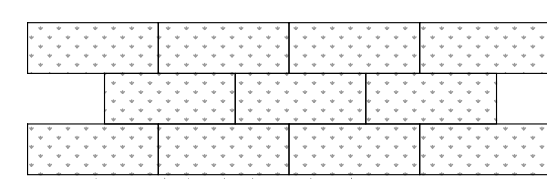
SOIL PREPARATION

BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES AND CLODS LARGER THAN 1". APPLY SOIL TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE SOIL. TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DO NOT USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILANTS. MIX FERTILIZER INTO SOIL SURFACE BASED ON TABLE BELOW

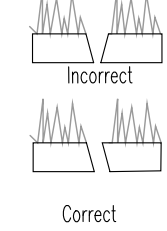
Fertilizer Type	Fertilizer Rate(lbs/1000 sq ft)	Fertilizer Rate(lbs/1000 sq ft)	Season
10-10-10	1000	1000	1000
10-10-10	1000	1000	1000

INSTALLATION

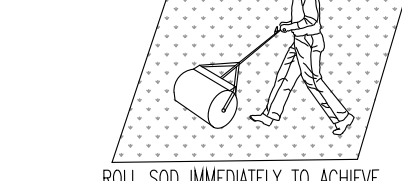
(STEP 1) LAY SOD WITH TIGHT JOINTS AND IN STRAIGHT LINES. DON'T OVERLAP JOINTS. STAGGER JOINTS AND DO NOT STRETCH SOD. ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOIL AND SOD. (STEP 2) THE BUTTING/ANGLE ENDS CAUSE BY THE AUTOMATIC SOD CUTTING MUST BE WATCHED CORRECTLY. (STEP 3) IRRIGATE SOD AND SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 4 WEEKS.



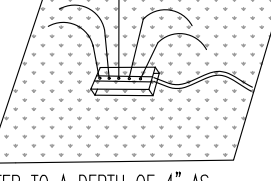
LAY SOD IN A STAGGERED PATTERN, BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER AND DO NOT OVERLAP.



Correct



ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL



WATER TO A DEPTH OF 4" AS NEEDED. WATER WELLS AS SOON AS THE SOD IS LAID.



MOW WHEN THE SOD IS ESTABLISHED (2-3 WEEKS). SET THE MOWER HIGH (2"-3")

MATERIAL

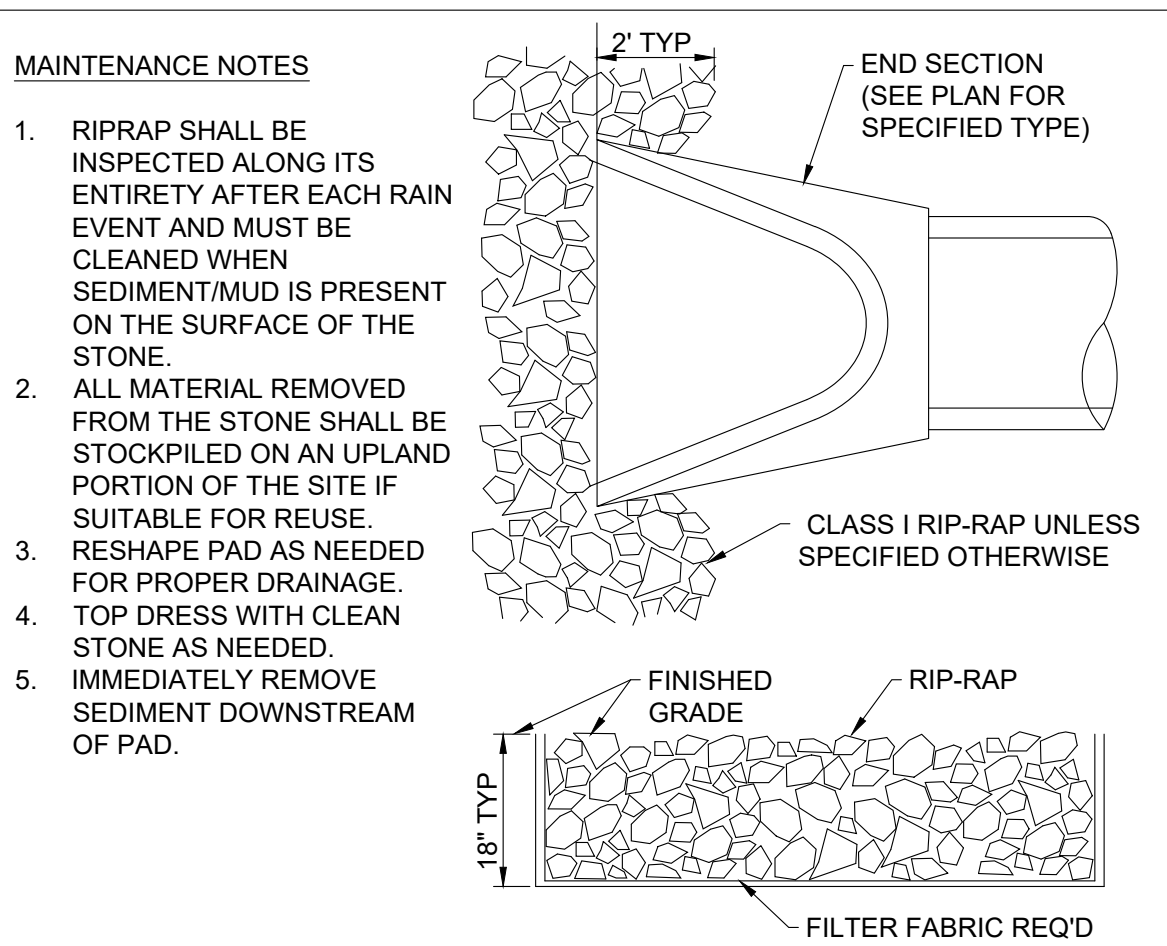
- SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.
- SOD SHOULD BE MACHINE CUT AND CONTAIN 2" ± OF SOIL, NOT INCLUDING SHOOTS OR THATCH.
- SOD SHOULD BE CUT TO THE DESIRED SIZE, WITHIN ±5%, TORN OR UNEVEN PADS SHOULD BE REJECTED.
- SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DOING.
- AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER IF IRRIGATION IS NOT AVAILABLE.
- THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO THE TABLE PROVIDED BELOW FOR YOUR RESOURCE AREA.

SOD

SODDING

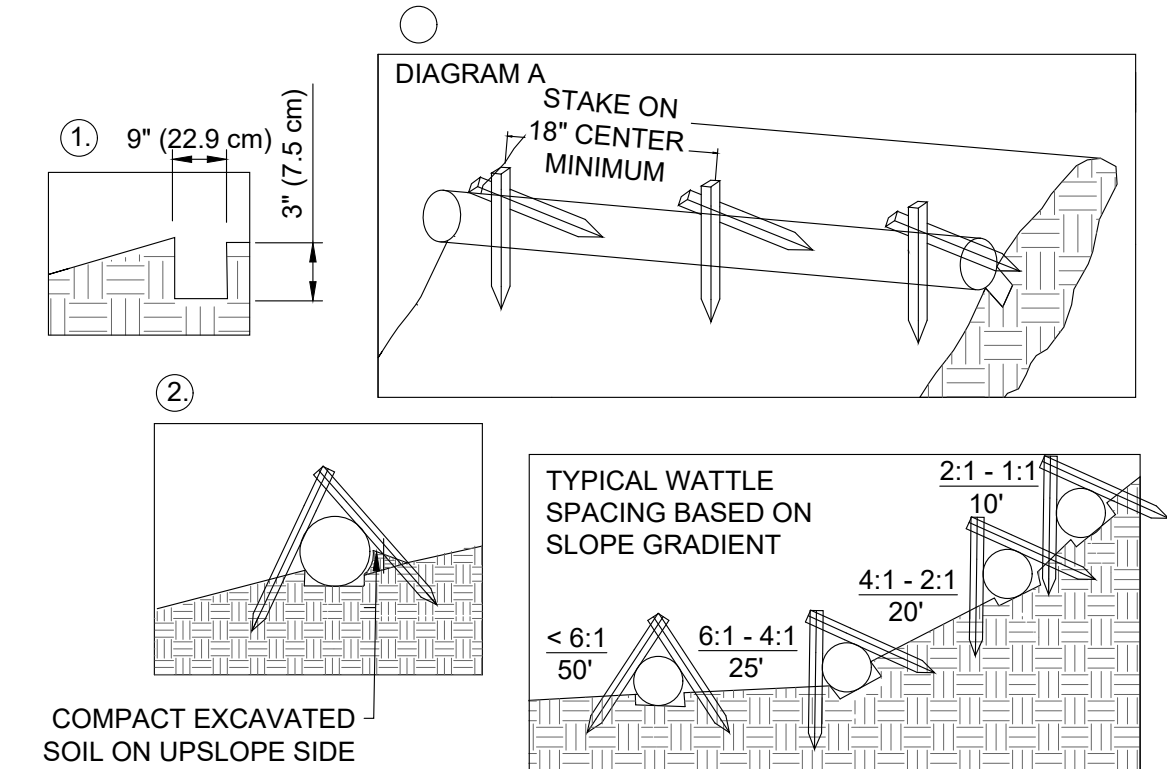
LOCATION IN MANUAL : P. 73

PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS



RR - RIP-RAP PLACEMENT DETAIL

N.T.S.



1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2'-3" (5-7.5 CM) DEEP X 9" (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UPSLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPSLOPE SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18-24" (45.7-61 CM) STAKES EVERY 3'-4" (0.9-1.2 M) AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2'-3" (5-7.5 CM) OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

NORTH AMERICAN GREEN STRAW WATTLES ARE A BEST MANAGEMENT PRACTICE (BMP) THAT OFFERS AN EFFECTIVE AND ECONOMICAL ALTERNATIVE TO SILT FENCE AND STRAW BALES FOR SEDIMENT CONTROL AND STORM WATER RUNOFF.

GUIDELINES ARE PROVIDED TO ASSIST IN DESIGN, INSTALLATION, AND STRUCTURE SPACING. THE GUIDELINES MAY REQUIRE MODIFICATION DUE TO VARIATION IN SOIL TYPE, RAINFALL INTENSITY OR DURATION, AND AMOUNT OF RUNOFF AFFECTING THE APPLICATION SITE.

TO MAXIMIZE SEDIMENT CONTAINMENT WITH THE STRAW WATTLE, PLACE THE INITIAL STRUCTURE AT THE TOP/CREST OF THE SLOPE IF SIGNIFICANT RUNOFF IS EXPECTED FROM ABOVE. IF NO RUNOFF FROM ABOVE IS EXPECTED, THE INITIAL STRAW WATTLE CAN BE INSTALLED AT THE APPROPRIATE DISTANCE DOWNHILL FROM THE TOP/CREST OF THE SLOPE. THE FINAL STRUCTURE SHOULD BE INSTALLED AT OR JUST BEYOND THE BOTTOM/TOE OF THE SLOPE. WATTLES SHOULD BE INSTALLED PERPENDICULAR TO THE PRIMARY DIRECTION OF OVERLAND FLOW.

STRAW WATTLES ARE A TEMPORARY SEDIMENT CONTROL DEVICE AND ARE NOT INTENDED TO REPLACE ROLLED EROSION CONTROL PRODUCTS (RECPs) OR HYDRAULIC EROSION CONTROL PRODUCTS (HECPs). IF VEGETATION IS DESIRED FOR PERMANENT EROSION CONTROL, NORTH AMERICAN GREEN RECOMMENDS THAT RECPs OR HECPs BE USED TO PROVIDE EFFECTIVE IMMEDIATE EROSION CONTROL UNTIL VEGETATION IS ESTABLISHED. STRAW WATTLES MAY BE USED IN CONJUNCTION WITH BLANKETS, MATS, AND MULCHES AS SUPPLEMENTAL SEDIMENT AND RUNOFF CONTROL FOR THESE APPLICATIONS. LIKE ALL SEDIMENT CONTROL DEVICES, THE EFFECTIVENESS OF THE STRAW WATTLE IS DEPENDENT ON STORAGE CAPACITY.

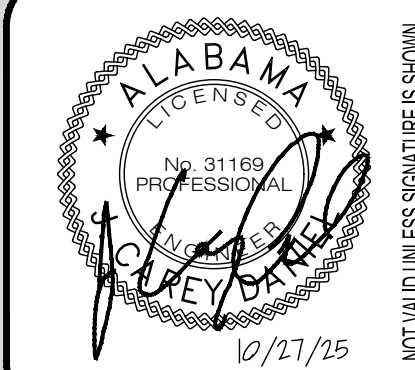
WAT - STRAW WATTLE DETAIL

N.T.S.

CBMPP DETAILS

SHELBY COUNTY EMA/IT BLDG.
MCCORD ROAD
COLUMBIANA, AL
STEPHEN COKER ARCHITECT, LLC
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
BIRMINGHAM, AL
PHONE: (205) 942-2468
WWW.GONZALEZ-STRENGTH.COM

GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL & TRANSPORTATION ENGINEERING - LAND SURVEYING - LAND PLANNING
LANDSCAPE ARCHITECTURE - PIPELINE ENGINEERING & SURVEYING
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
BIRMINGHAM, AL 35244
PHONE: (205) 942-2468
WWW.GONZALEZ-STRENGTH.COM
an LJA company



10/27/25

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C551 R 0
PROJECT
25-0406

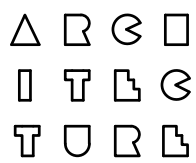
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EMA - IT FACILITY
260 - McDow Road
Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

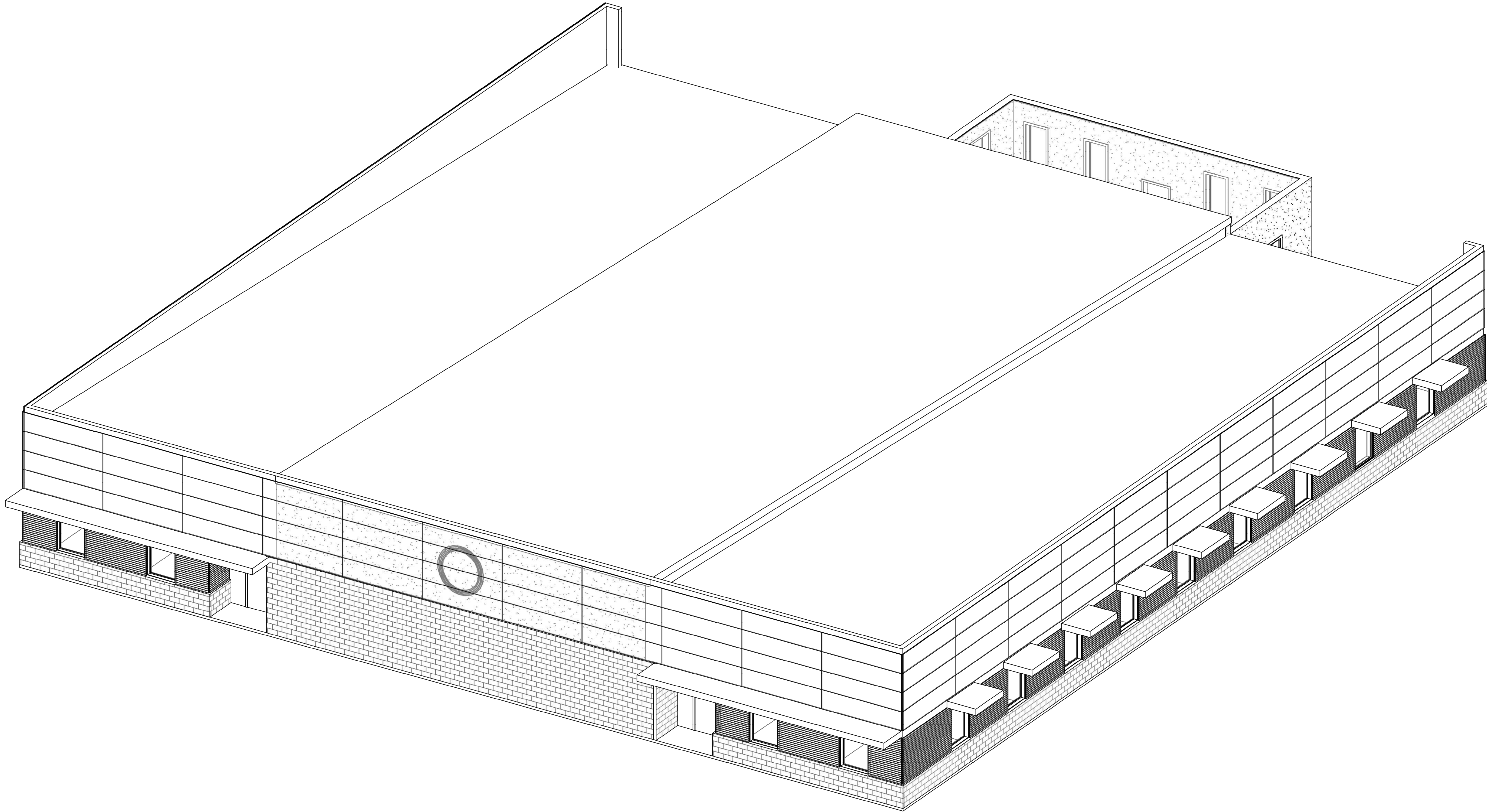
Phone 205/595-0021

E-mail:
steve@cokerarch.com

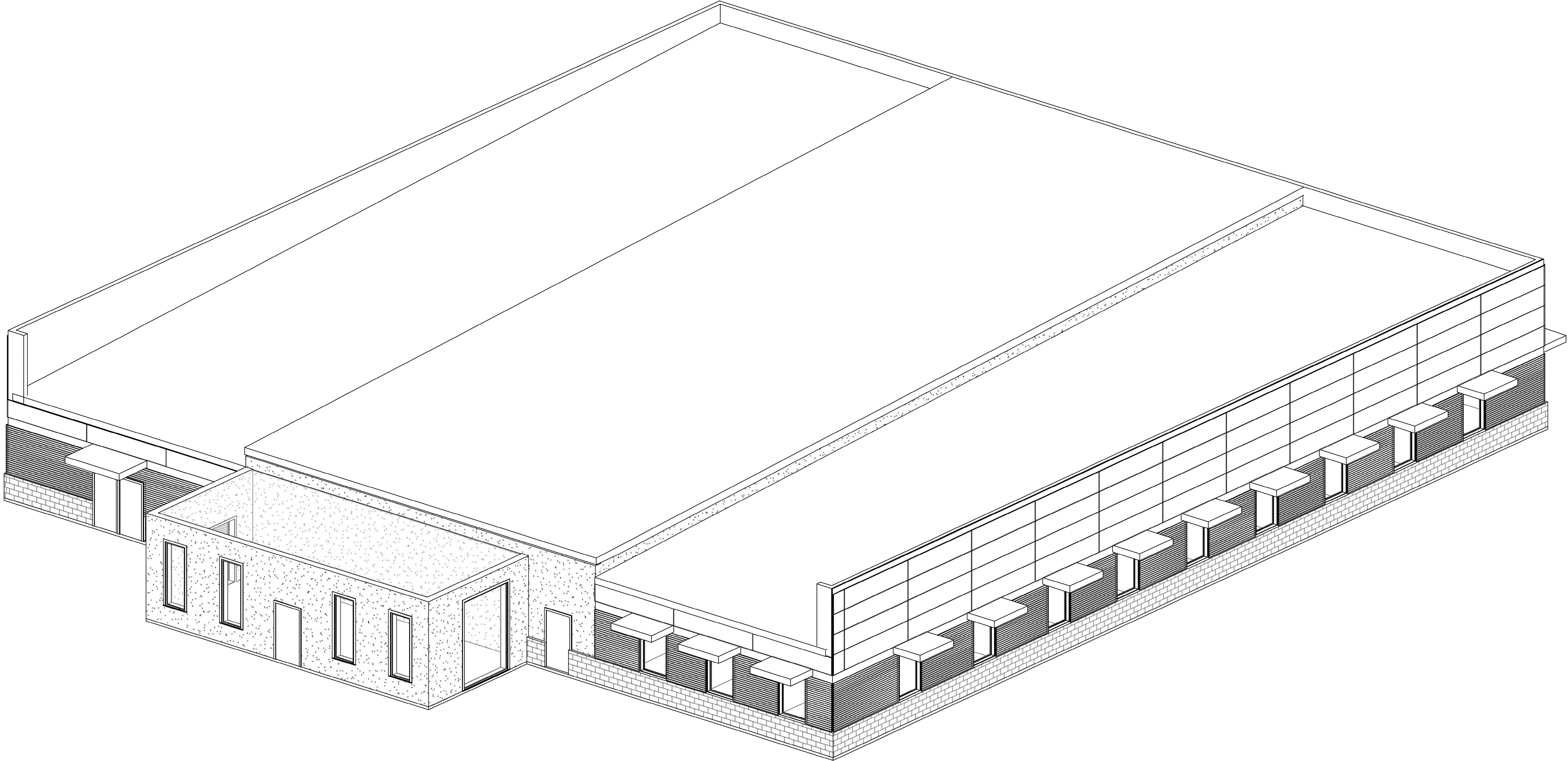
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PROJECT NO.	250407

ISOMETRIC VIEW 1

SHEET NO.
ISO 1
2 OF 25(A) SHEETS



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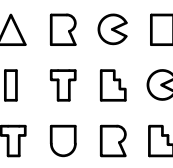
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260 - McDow Road
Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

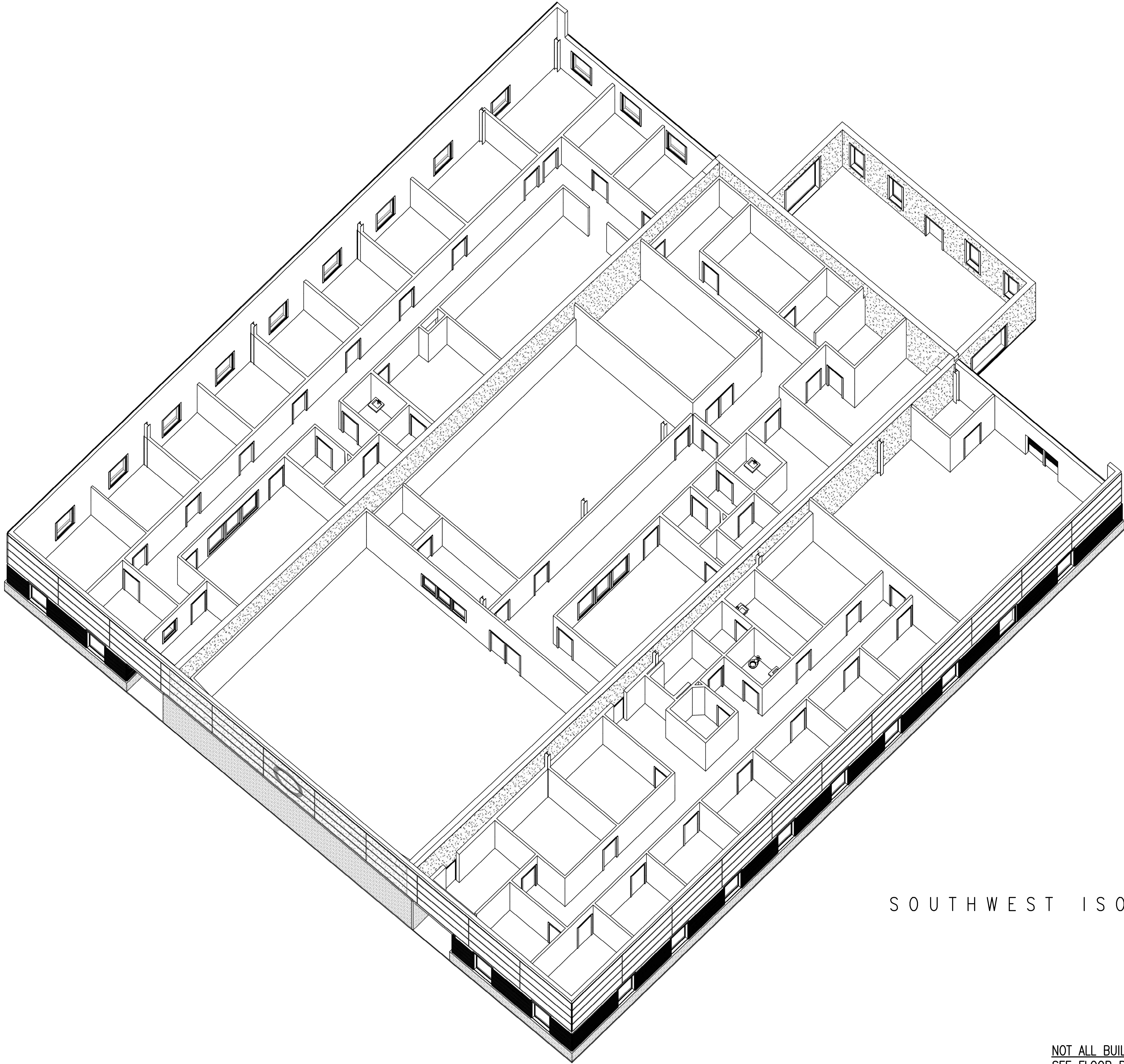
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ISOMETRIC VIEW 2

SHEET NO.

ISO 2

3 OF 25(A) SHEETS



SOUTHWEST ISOMETRIC

NOT ALL BUILDING ELEMENTS ARE SHOWN ON ISOMETRIC VIEWS.
SEE FLOOR PLANS AND EXTERIOR ELEVATIONS FOR MORE DETAIL.

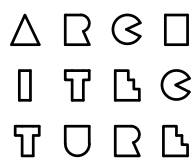
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

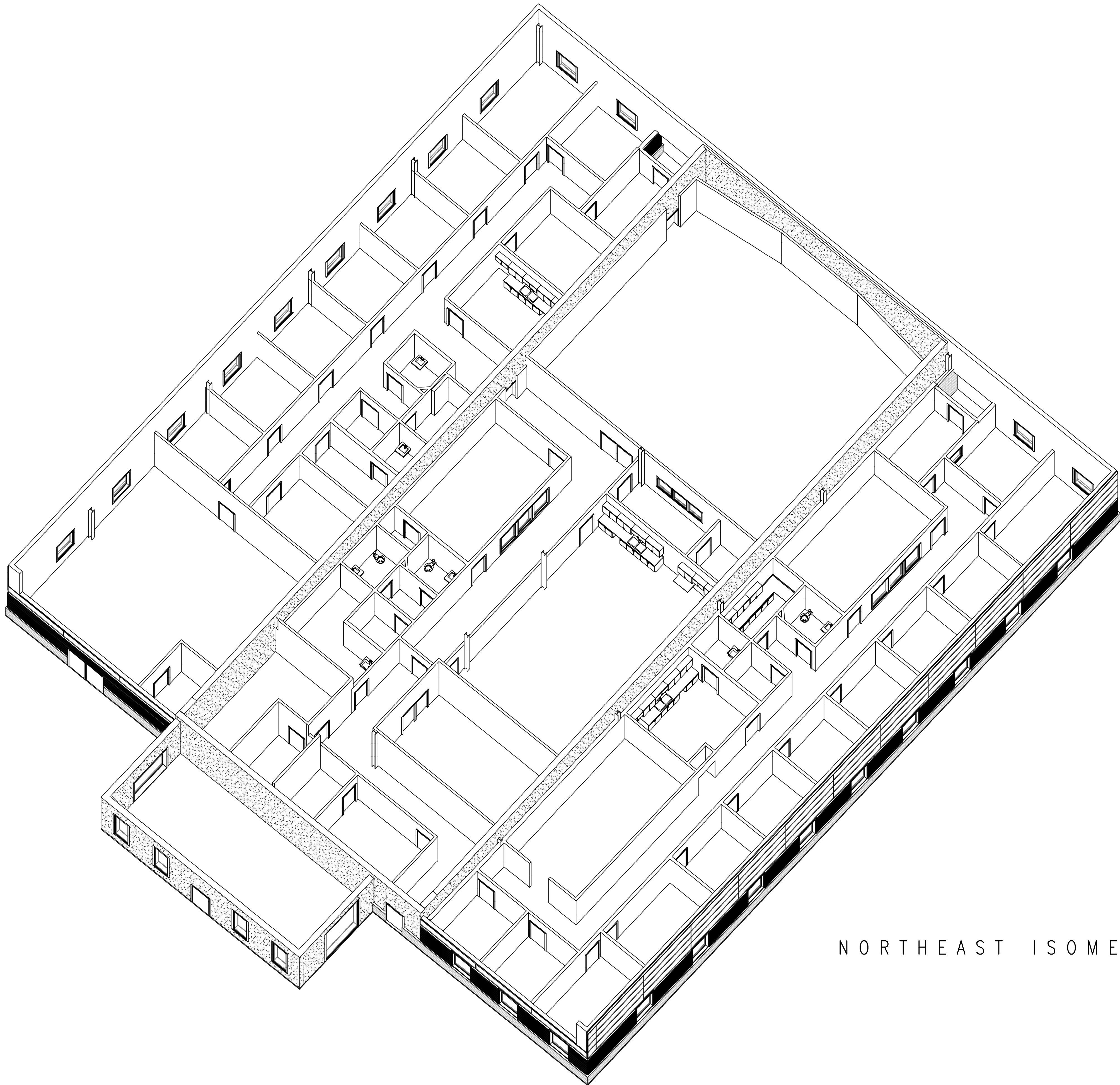
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steve@cokerarch.com

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ISOMETRIC VIEW 3

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ISO 3
4 OF 25(A) SHEETS

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N O R T H E A S T I S O M E T R I C

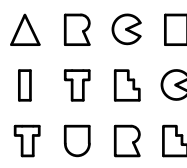
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EMA - IT FACILITY
260 - McDow Road
Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

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ISOMETRIC VIEW 4

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ISO 4

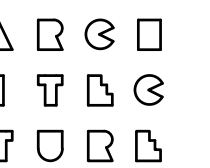
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Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

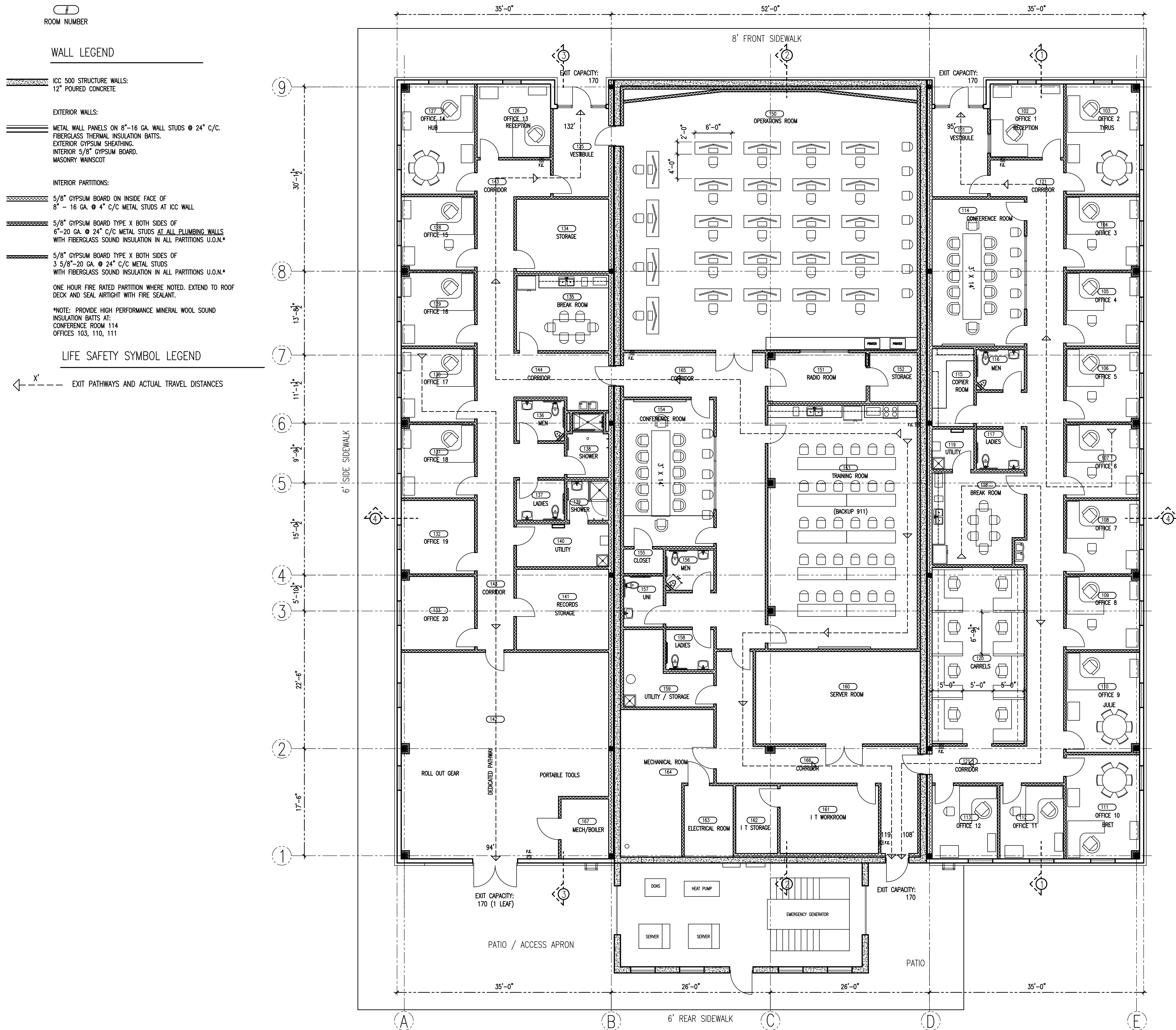
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SAFE SAFETY PLAN

ET NO.

OF 25(A) SHEETS



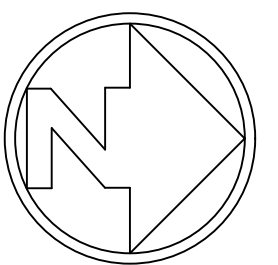
BUILDING TOTAL
122' X 128' BLDG. AREA
15,616 GROSS SF

EMA DEPT
35' X 128'
4480 SF BLDG. AREA
4348 SF FLOOR AREA
(PLG. MAX. 50 OCCS.)

I T DEPT
35' X 128'
4480 SF BLDG. AREA
4348 SF FLOOR AREA
(PLG. MAX. 50 OCC.)

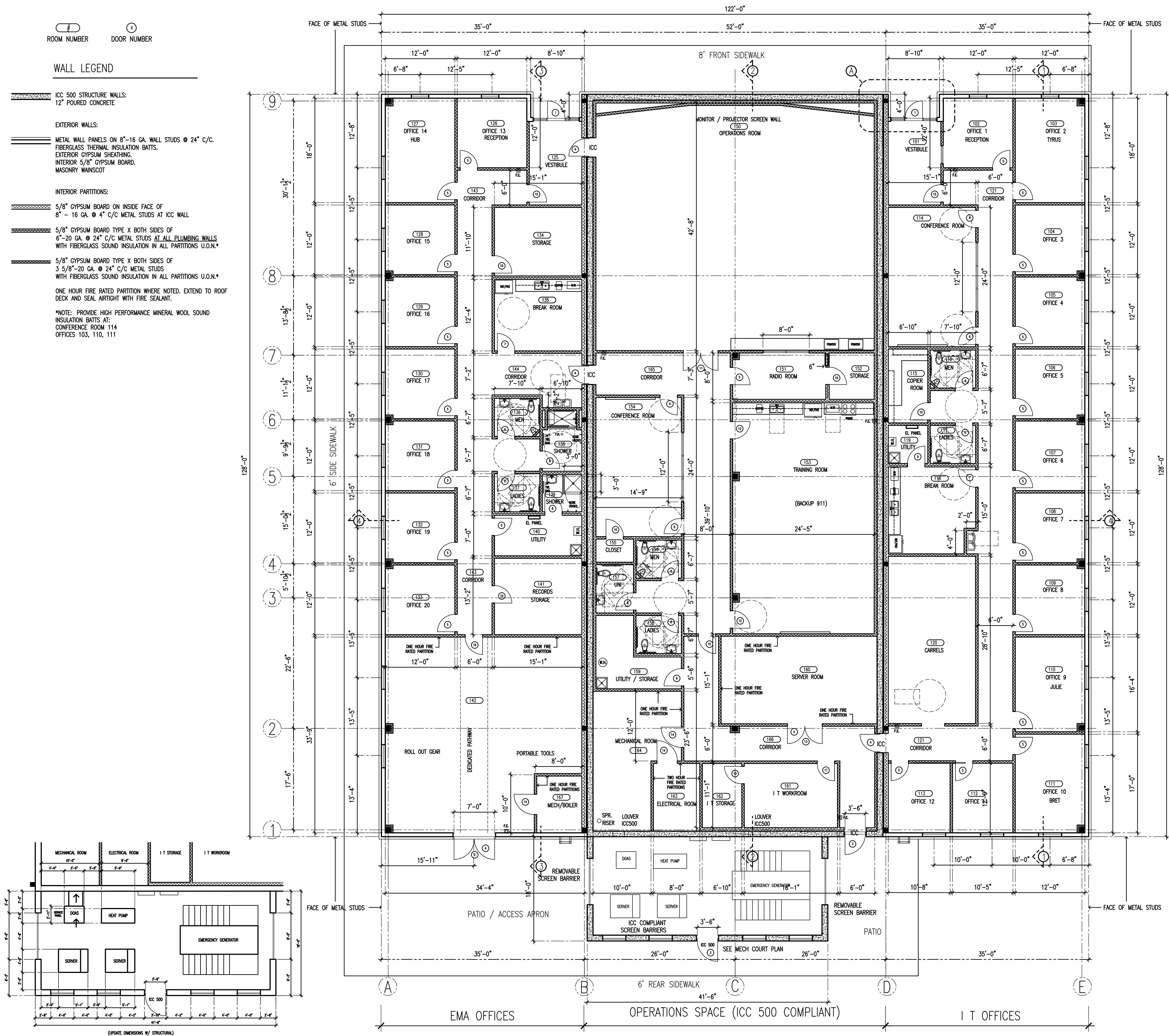
ICC 500
52' X 128'
6656 SF BLDG. AREA
6127 SF FLOOR AREA
(PLG. MAX. 100)

MINIMUM CODE DESIGN OCCUPANCY: 153



LIFE SAFETY FLOOR PLAN
scale: 1/8" = 1'-0"
scale is accurate on 24"x36" sheets only

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ROOM NUMBER
① DOOR NUMBER

WALL LEGEND

ICC 500 STRUCTURE WALLS:
12" POURED CONCRETE

EXTERIOR WALLS:

METAL WALL PANELS ON 8"-16 GA. WALL STUDS @ 24" C/C.
FIBERGLASS THERMAL INSULATION BATTS.
EXTERIOR GYPSUM SHEATHING.
INTERIOR 5/8" GYPSUM BOARD.
MASONRY WAINSCOT

INTERIOR PARTITIONS:

5/8" GYPSUM BOARD ON INSIDE FACE OF
8" - 16 GA. @ 4" C/C METAL STUDS AT ICC WALL

5/8" GYPSUM BOARD TYPE X BOTH SIDES OF
6"-20 GA. @ 24" C/C METAL STUDS AT ALL PLUMBING WALLS
WITH FIBERGLASS SOUND INSULATION IN ALL PARTITIONS U.O.N.*

5/8" GYPSUM BOARD TYPE X BOTH SIDES OF
3 5/8"-20 GA. @ 24" C/C METAL STUDS
WITH FIBERGLASS SOUND INSULATION IN ALL PARTITIONS U.O.N.*

ONE HOUR FIRE RATED PARTITION WHERE NOTED. EXTEND TO ROOF
DECK AND SEAL AIRTIGHT WITH FIRE SEALANT.

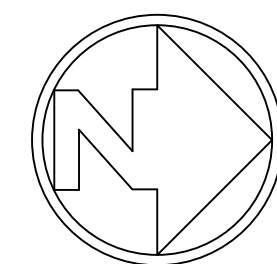
*NOTE: PROVIDE HIGH PERFORMANCE MINERAL WOOL SOUND
INSULATION BATTS AT:
CONFERENCE ROOM 114
OFFICES 103, 110, 111

BUILDING TOTAL
122' X 128' BLDG. AREA
15,616 GROSS SF

EMA DEPT
35' X 128'
4480 SF BLDG. AREA
4348 SF FLOOR AREA
(PLG. MAX. 50 OCCS.)

I T DEPT
35' X 128'
4480 SF BLDG. AREA
4348 SF FLOOR AREA
(PLG. MAX. 50 OCC.)

ICC 500
52' X 128'
6656 SF BLDG. AREA
6127 SF FLOOR AREA
(PLG. MAX. 100)



DIMENSION FLOOR PLAN
scale: 1/8" = 1'-0"
scale is accurate on 24"x36" sheets only

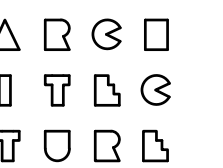
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EMA - IT FACILITY
260 - McDow Road
Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

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PROJECT NO.	250407

DIMENSION PLAN

SHEET NO.

A2

7 OF 25(A) SHEETS

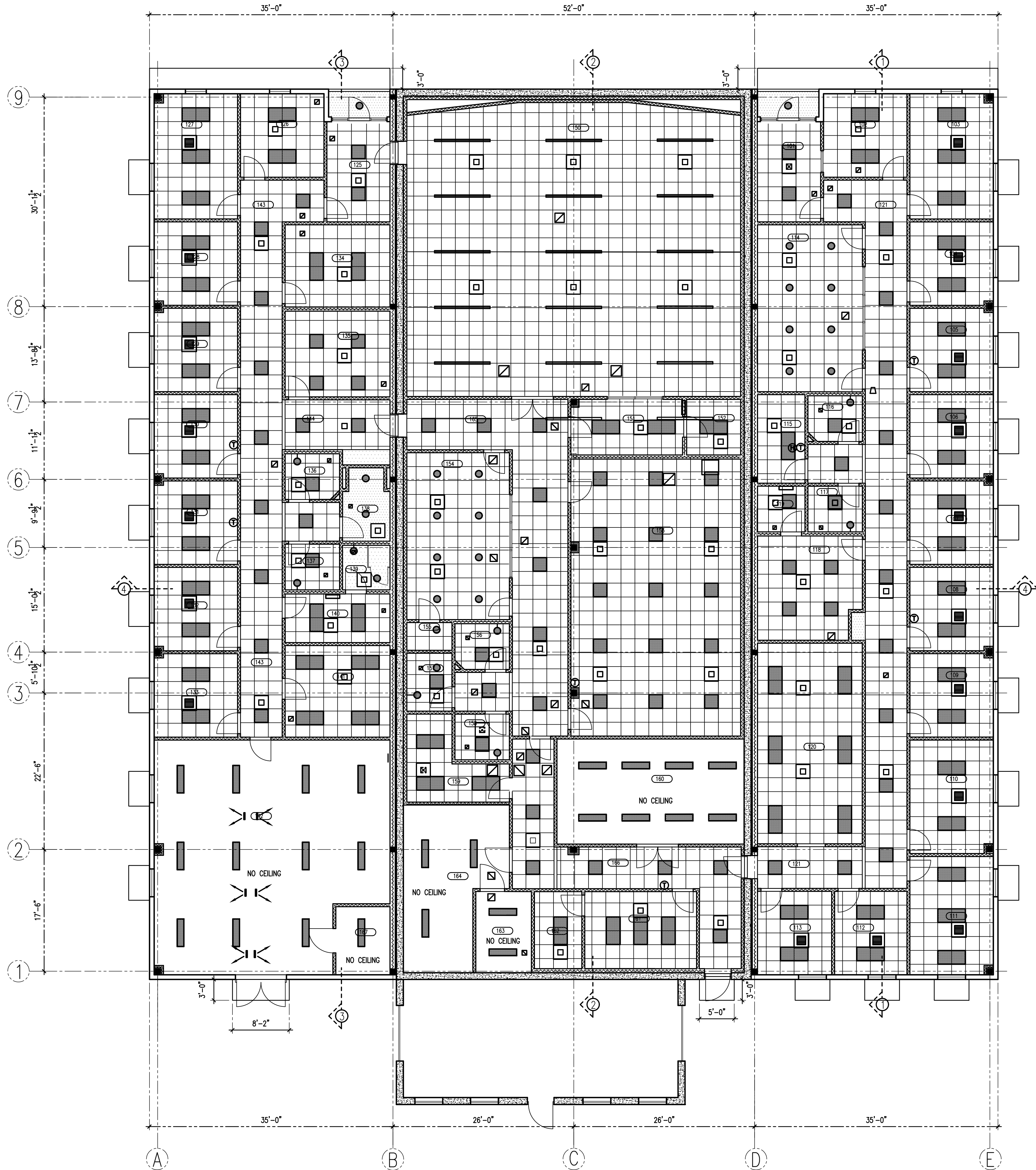
C:\Users\steve\Desktop\CURRENT PROJECTS\SHELBY COUNTY EMA-IT\SHELBY COUNTY EMA-IT REVERSED PLAN.dwg, 11/2/2025 12:53:07 PM

WALL LEGEND

- ICC 500 STRUCTURE WALLS:
12" POURED CONCRETE
- EXTERIOR WALLS:
METAL WALL PANELS ON 8"-16 GA. WALL STUDS @ 24" C/C.
FIBERGLASS THERMAL INSULATION BATTS.
EXTERIOR GYPSUM SHEATHING.
INTERIOR 5/8" GYPSUM BOARD.
MASONRY WAINSCOT
- INTERIOR PARTITIONS:
5/8" GYPSUM BOARD ON INSIDE FACE OF
8" - 16 GA. @ 4" C/C METAL STUDS AT ICC WALL
- 5/8" GYPSUM BOARD TYPE X BOTH SIDES OF
6"-20 GA. @ 24" C/C METAL STUDS AT ALL PLUMBING WALLS
WITH FIBERGLASS SOUND INSULATION IN ALL PARTITIONS U.O.N.*
- 5/8" GYPSUM BOARD TYPE X BOTH SIDES OF
3 5/8"-20 GA. @ 24" C/C METAL STUDS
WITH FIBERGLASS SOUND INSULATION IN ALL PARTITIONS U.O.N.*
- ONE HOUR FIRE RATED PARTITION WHERE NOTED. EXTEND TO ROOF
DECK AND SEAL AIRTIGHT WITH FIRE SEALANT.
- *NOTE: PROVIDE HIGH PERFORMANCE MINERAL WOOL SOUND
INSULATION BATTS AT:
CONFERENCE ROOM 114
OFFICES 103, 110, 111

CEILING LEGEND

- 24X24 ACOUSTIC TILE CEILING PANELS IN
1" SUSPENDED PRE-FINISHED STEEL GRID.
SQUARE REGULAR EDGE ACOUSTIC PANELS
STIPPLE FACE FINISH.
- PAINTED GYPSUM BOARD CEILING
- 24X24 OR 24X48 LED LIGHT PANEL
SEE ELECTRICAL DRAWINGS.
- 8" CABLE SUSPENDED LED FIXTURE
- RECESSED LED DOWNLIGHT
- WALL LIGHT
- HVAC AIR DIFFUSERS AND RETURN AIR GRILLES
- EXIT + EMERGENCY LIGHT COMBO W/ BATTERY BACKUP
- EMERGENCY LIGHT W/ BATTERY BACKUP

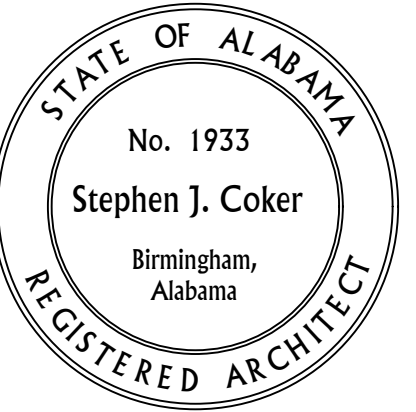


CEILING HEIGHTS VARY. SEE FINISH SCHEDULE FOR INDIVIDUAL ROOMS CEILING HEIGHT

REFLECTED CEILING PLAN
scale: 1/8" = 1'-0"
scale is accurate on 24"x36" sheets only

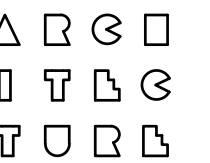
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Stephen
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Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

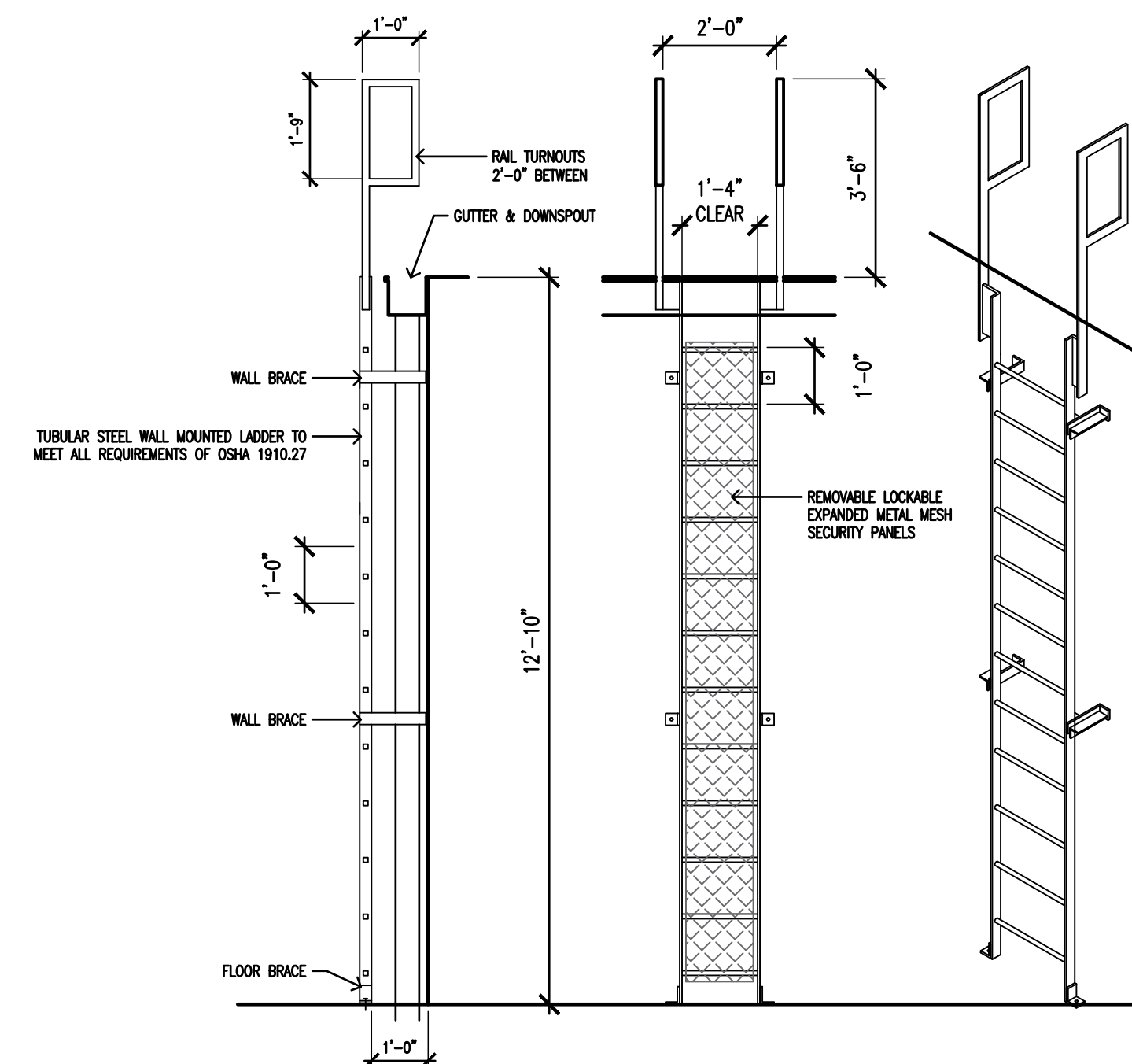
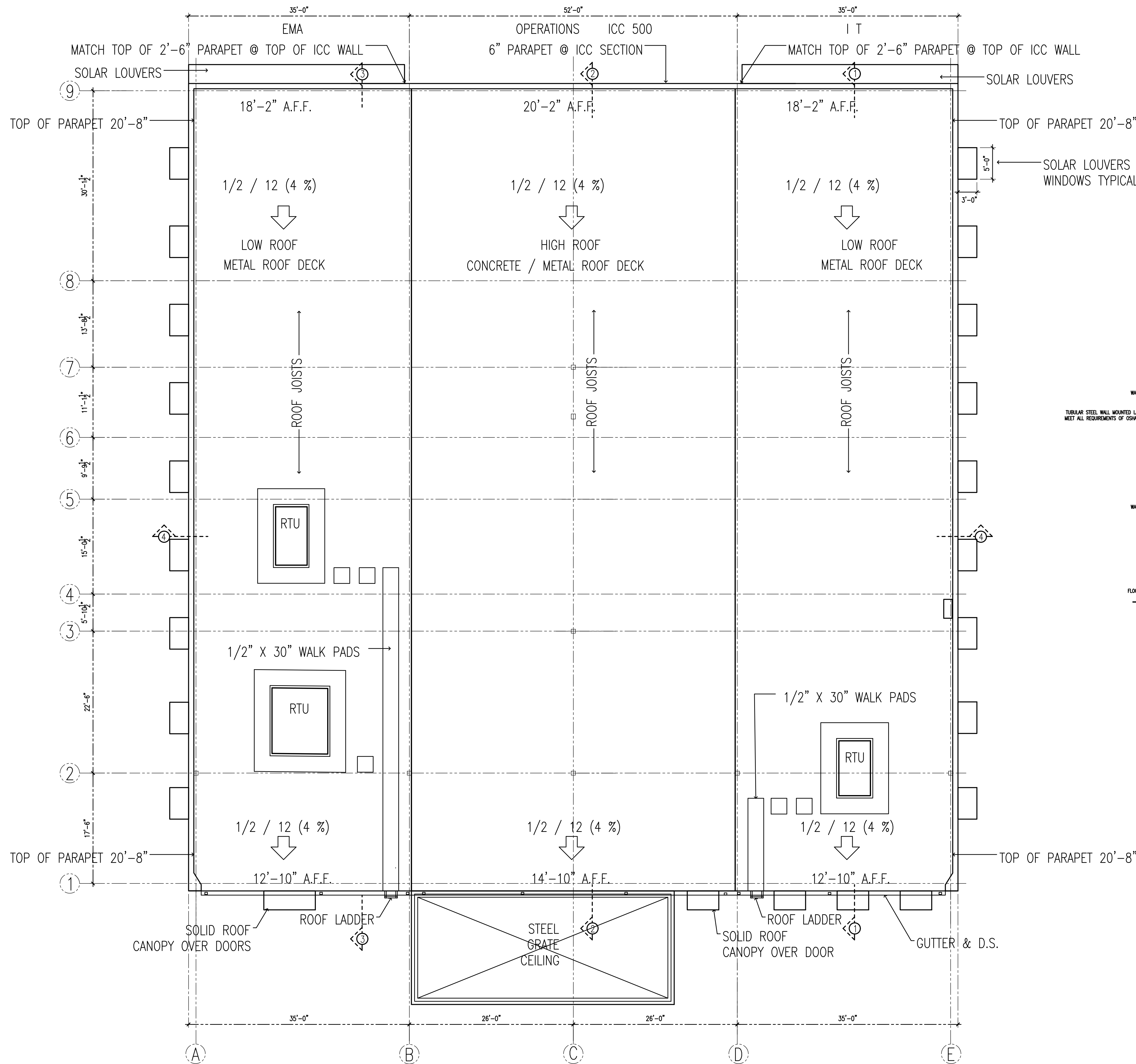
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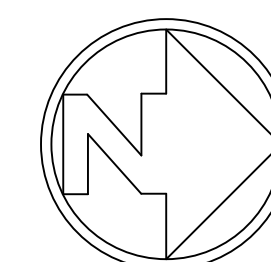
REFLECTED
CEILING PLAN

SHEET NO.
A3
8 OF 25(A) SHEETS

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EXTERIOR WALL LADDER DETAIL
scale: 3/8" = 1'-0"



ROOF PLAN
scale: 1/8" = 1'-0"
scale is accurate on 24"x36" sheets only

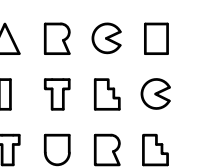
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260 - McDow Road
Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

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ROOF PLAN

SHEET NO.

A4

9 OF 251A1 SHEETS

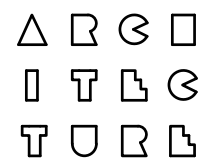
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260 - McDow Road
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

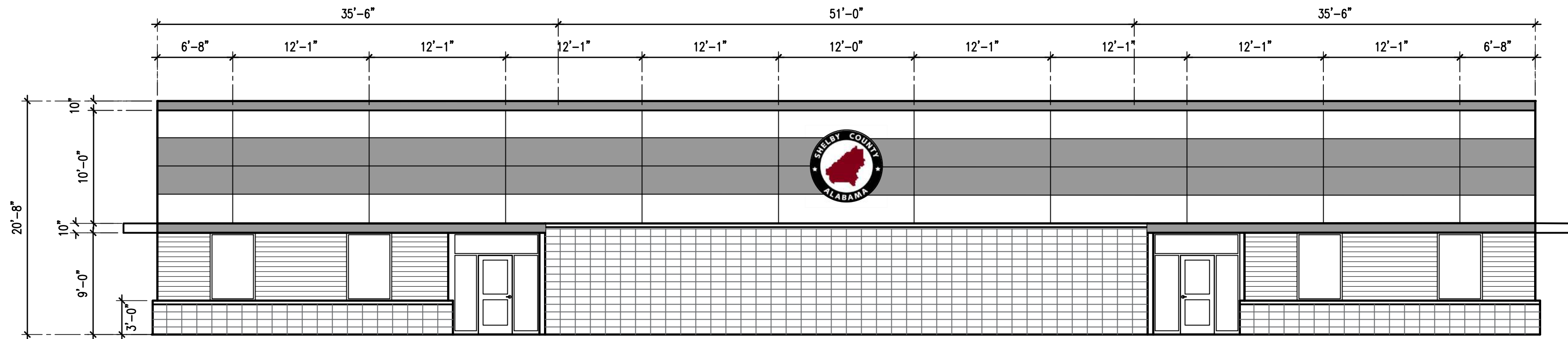
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PROJECT NO.	250407

EXTERIOR ELEVATIONS

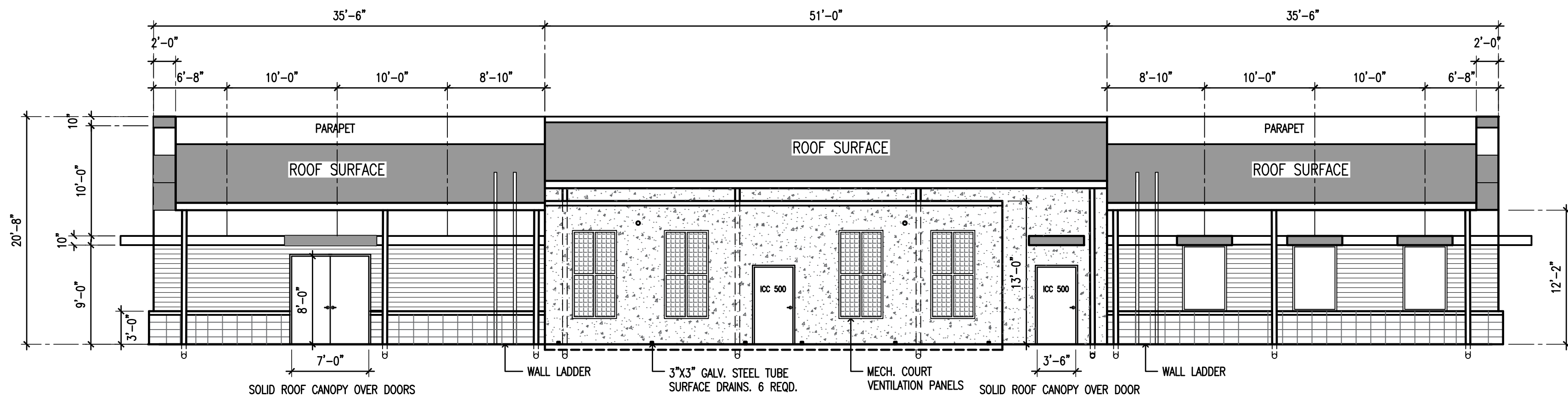
SHEET NO.

A5

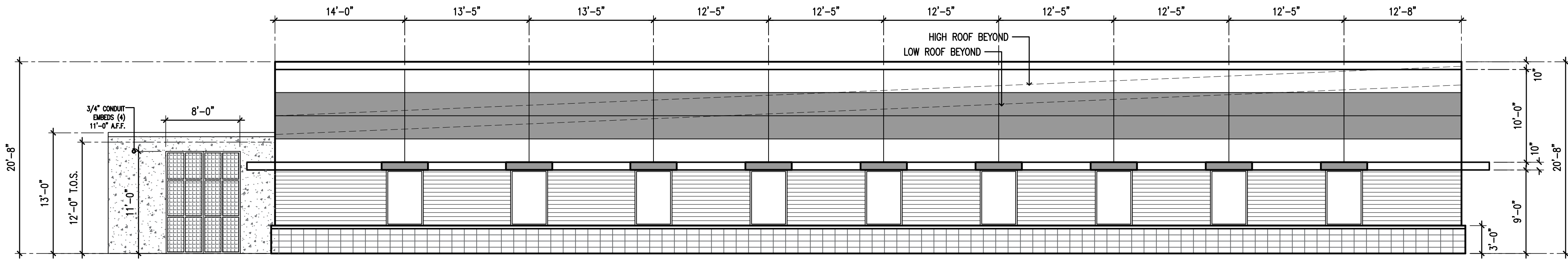
10 OF 25(A) SHEETS



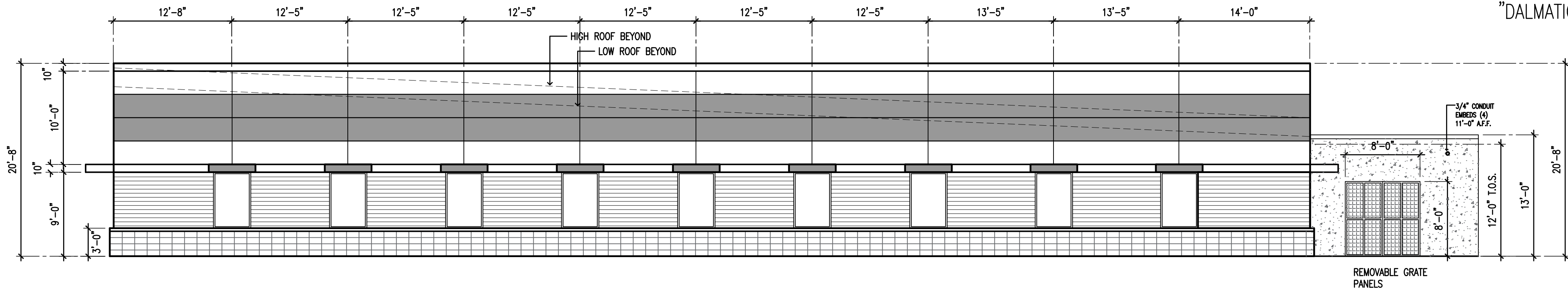
FRONT (WEST) ELEVATION



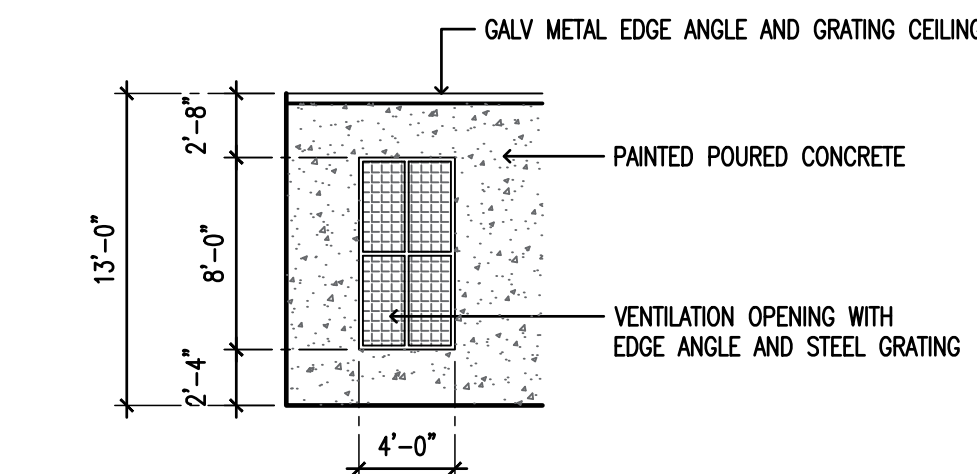
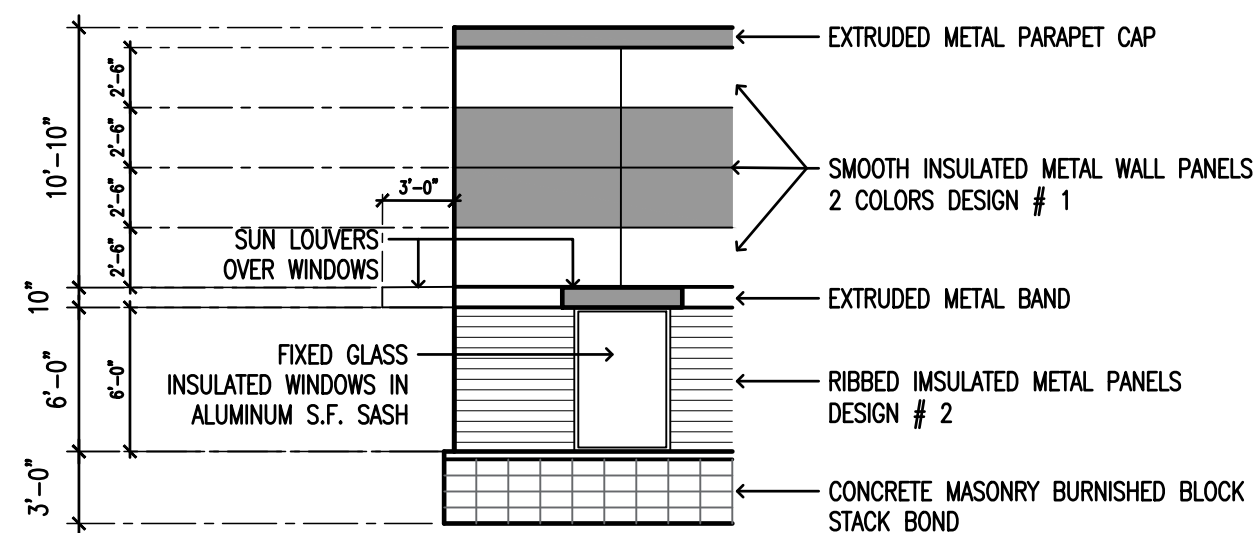
REAR (EAST) ELEVATION



SIDE (NORTH) ELEVATION



SIDE (SOUTH) ELEVATION



WALL MATERIALS DESIGNATIONS

METAL WALL PANEL DESIGN # 1:

HORIZONTAL INSULATED
CENTRIA FWDS WALL PANELS, SMOOTH FINISH.
2" THICK 30" WIDE. 22 GA.
2 PANEL COLORS

METAL WALL PANEL DESIGN # 2:

HORIZONTAL INSULATED
CENTRIA DS 60 WALL PANELS, SMOOTH FINISH
2" THICK, 24" OR 36" WIDE. 22 GA.
1 PANEL COLOR

CENTRIA METALS, EXCEPTIONAL METALS, AND
METL-SPAN BRANDED PRODUCTS ARE ALL
ACCEPTABLE

MASONRY WAINSCOT:

NETTLETON CONCRETE BURNISHED FACE
"DALMATION"

EXTERIOR ELEVATIONS
scale: 1/8" = 1'-0"
scale is accurate on 24"x36" sheets only

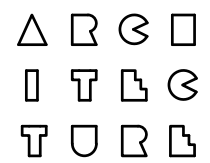
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

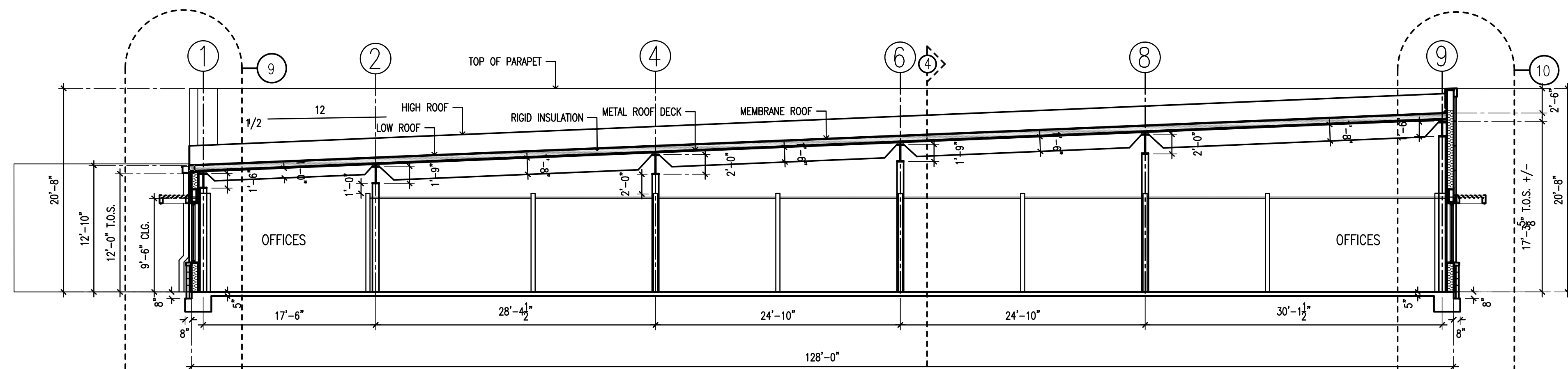
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BUILDING SECTIONS

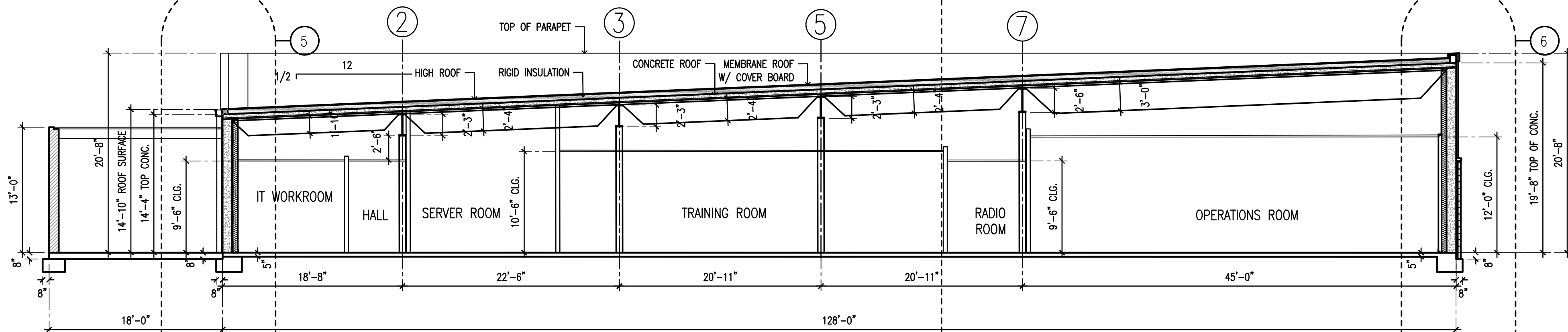
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A6

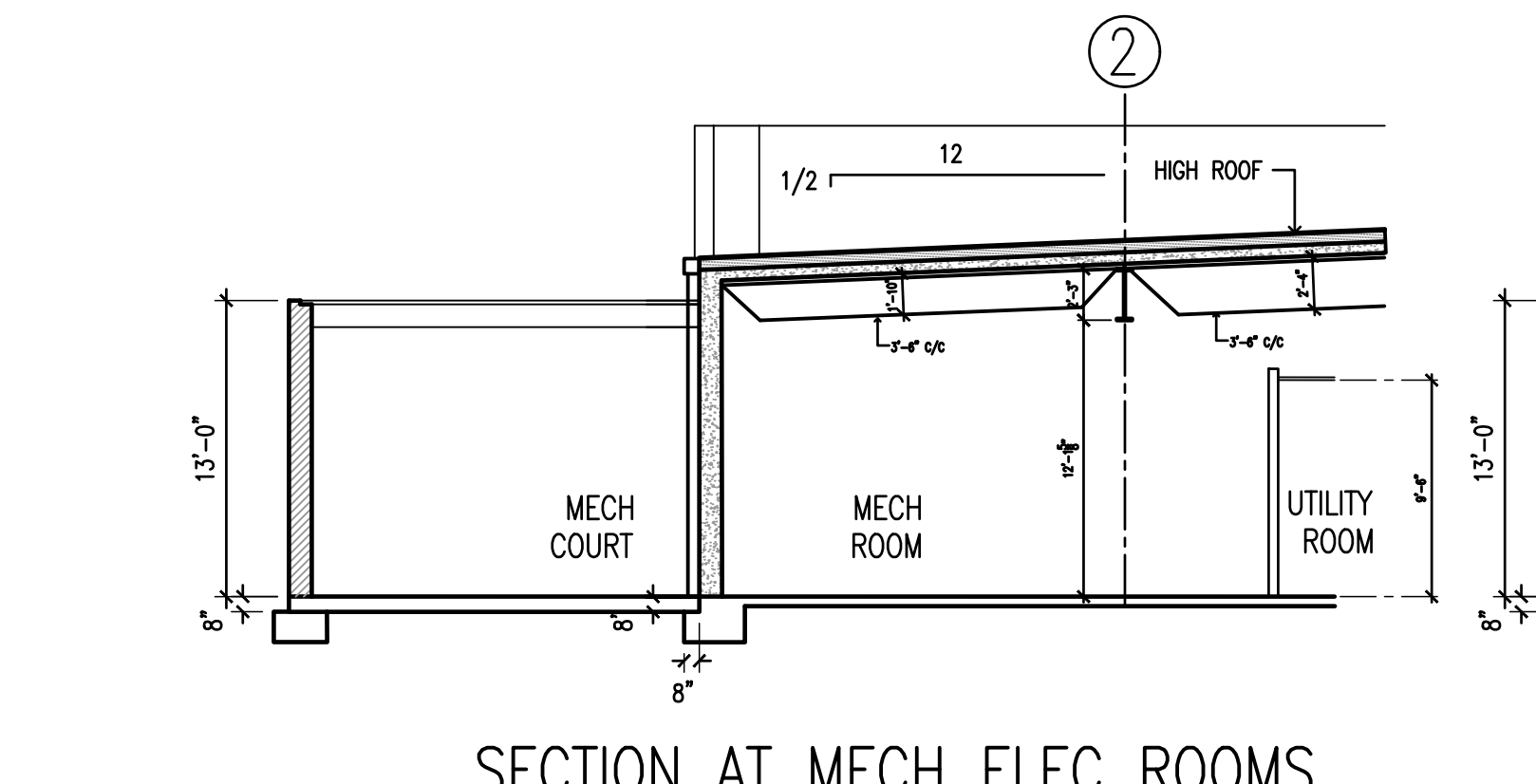
11 OF 25(A) SHEETS



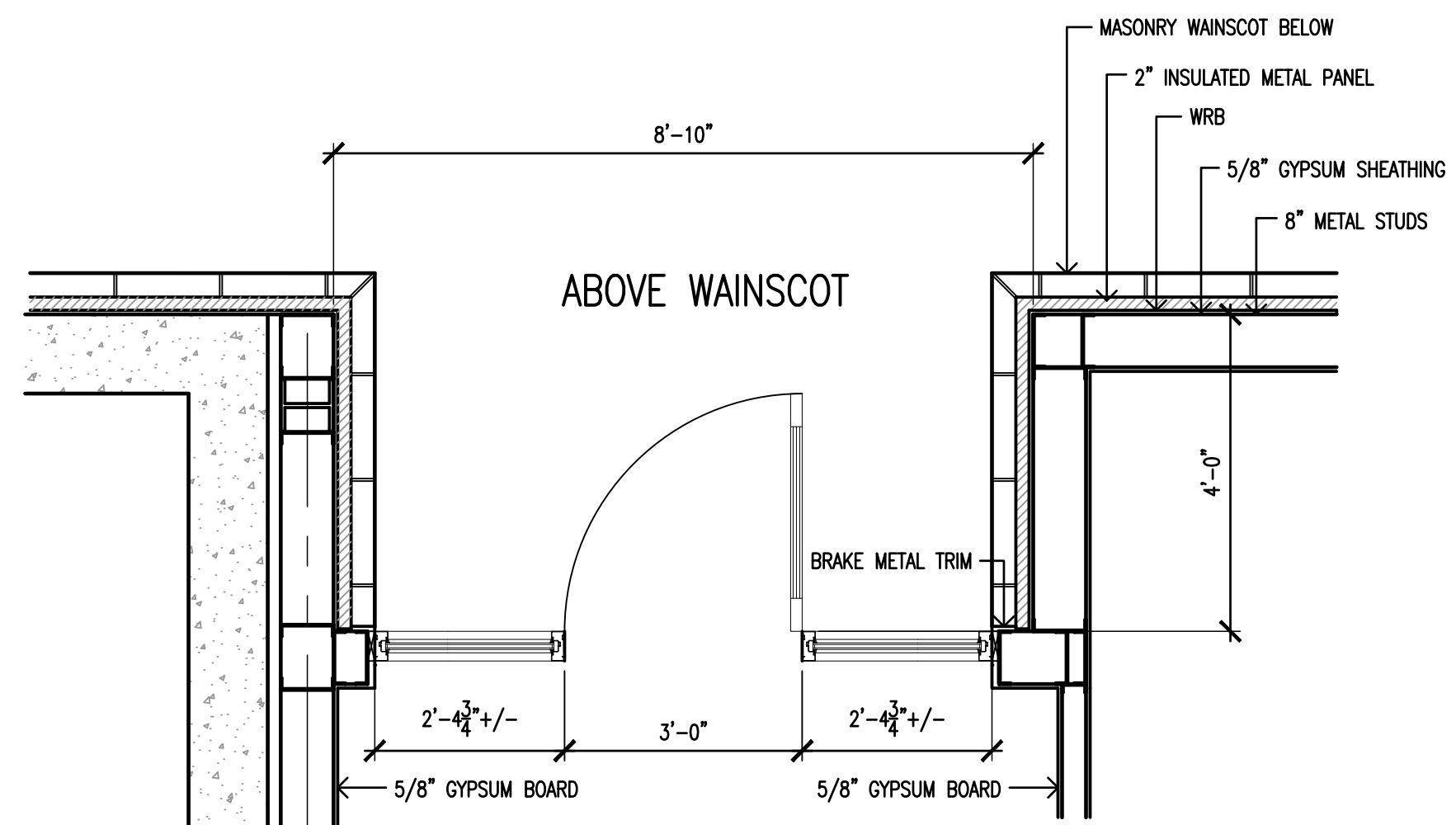
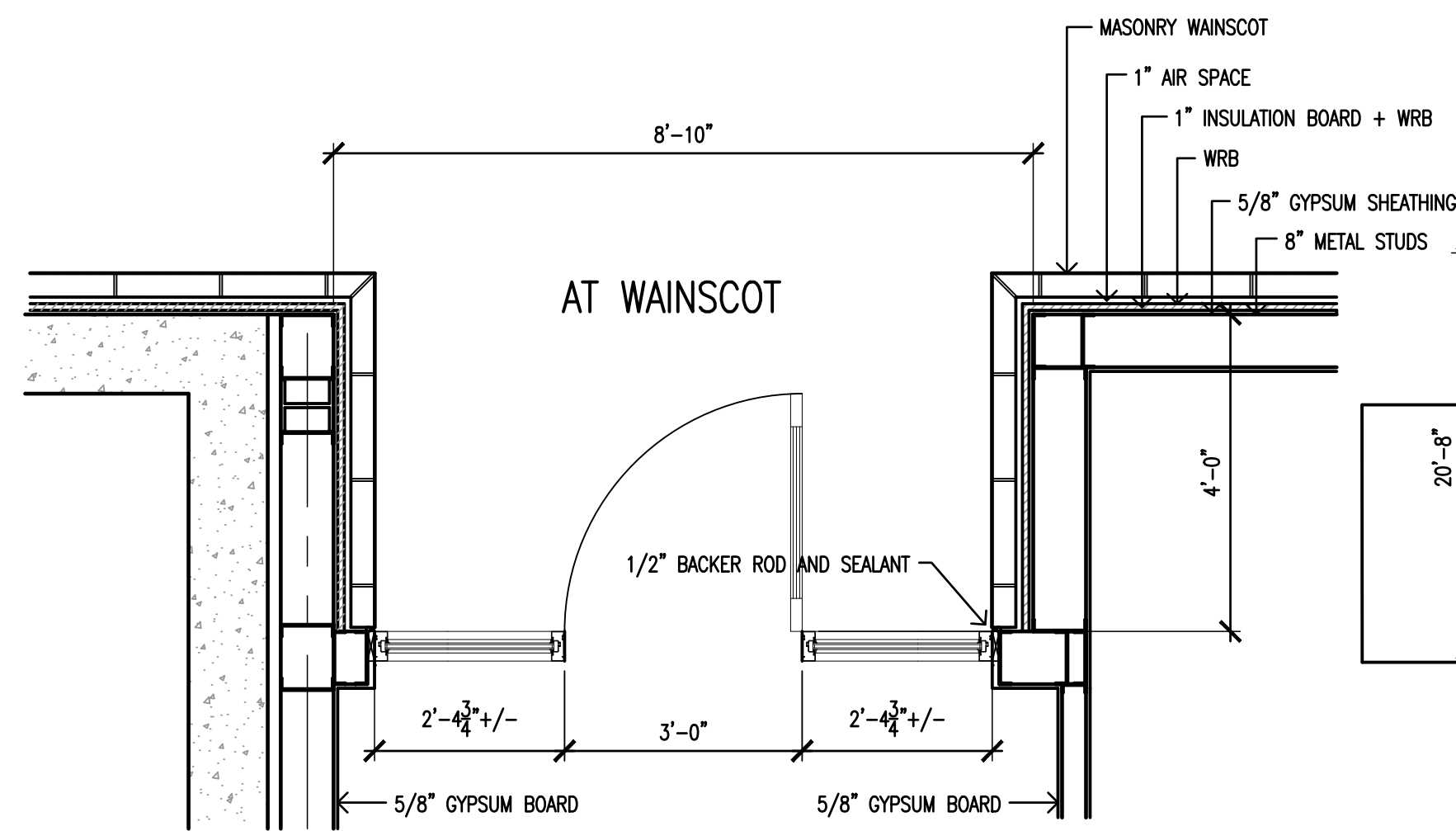
1 BUILDING SECTION THRU IT



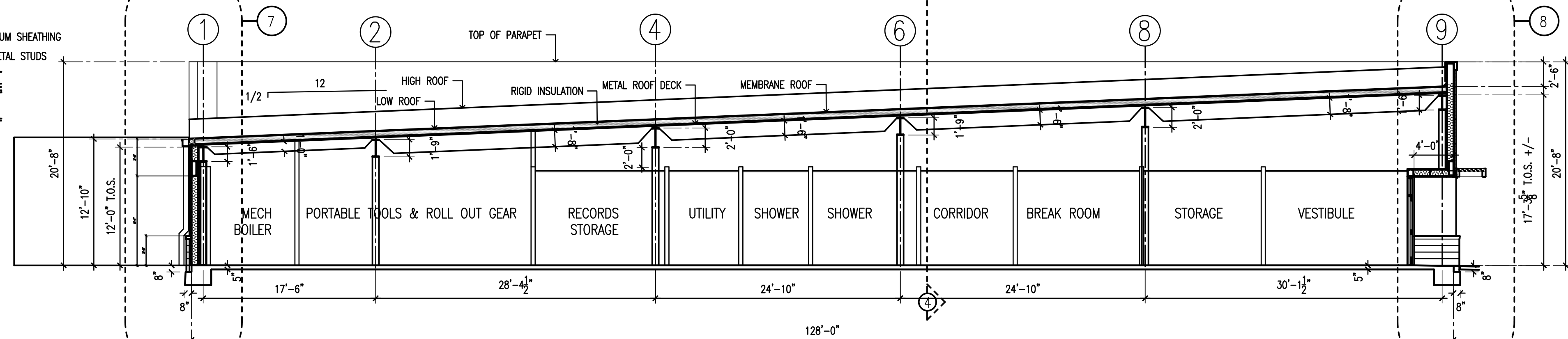
2 BUILDING SECTION THRU ICC OPERATIONS CENTER



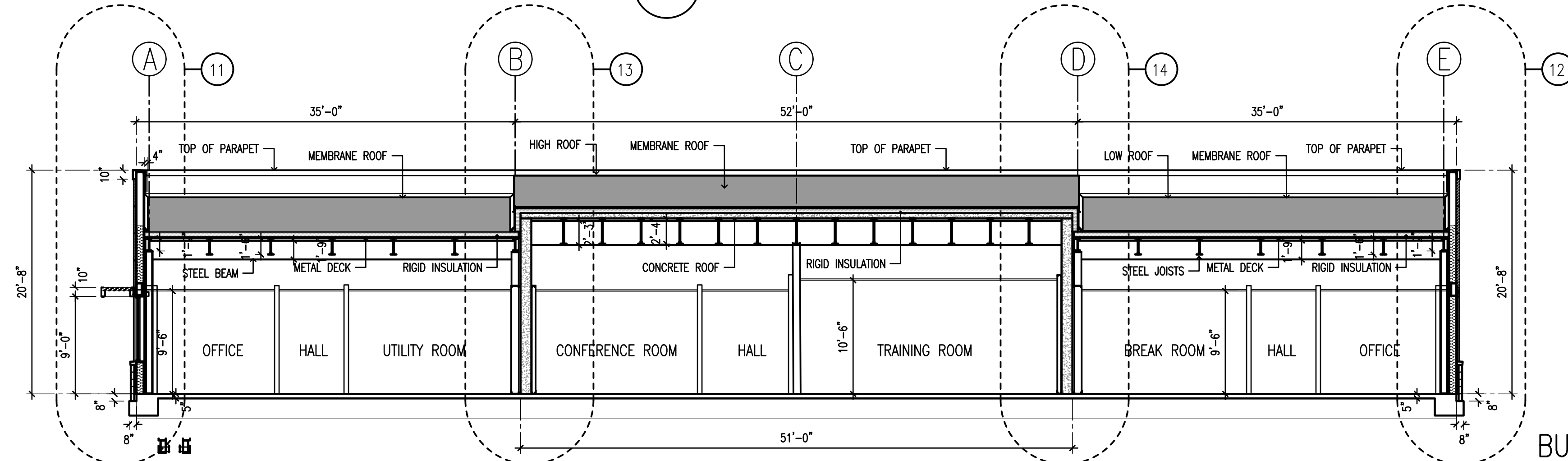
SECTION AT MECH ELEC ROOMS



A ENTRY PLANS
scale: 1/2" = 1'-0"



3 BUILDING SECTION THRU EMA

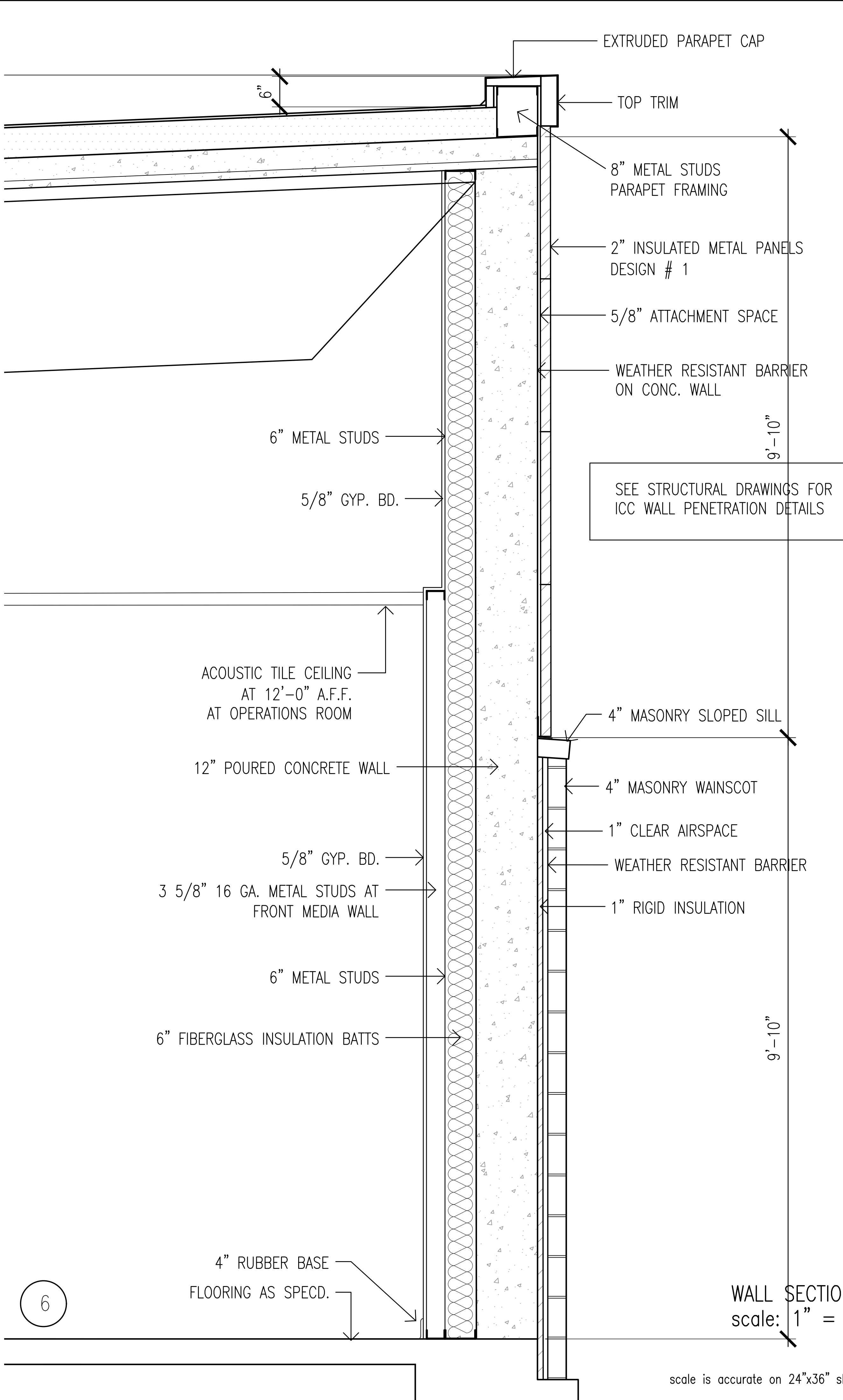
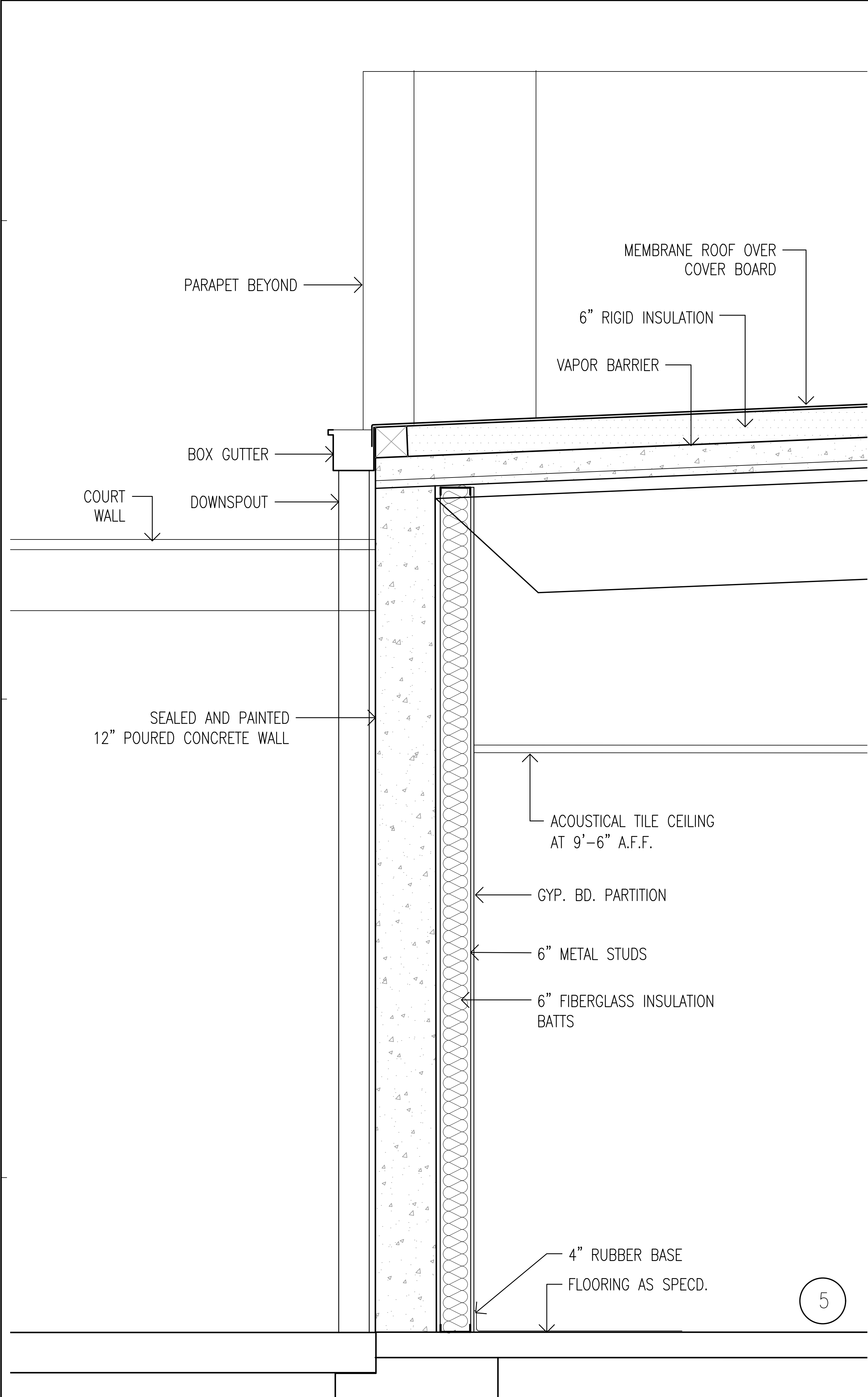


4 BUILDING CROSS SECTION

BUILDING SECTIONS
scale: 1/8" = 1'-0"

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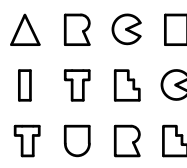
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

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WALL SECTIONS 1

SHEET NO.

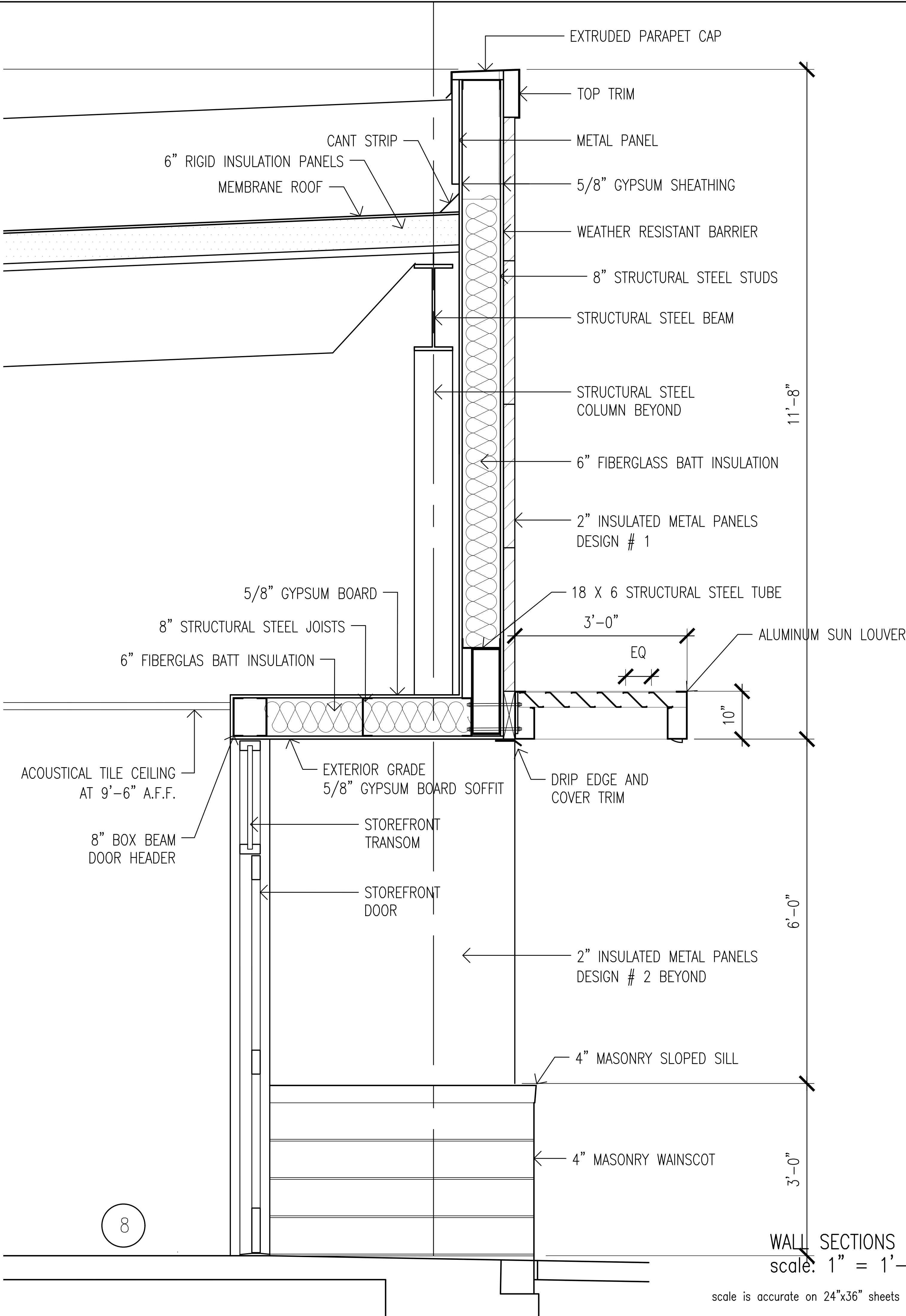
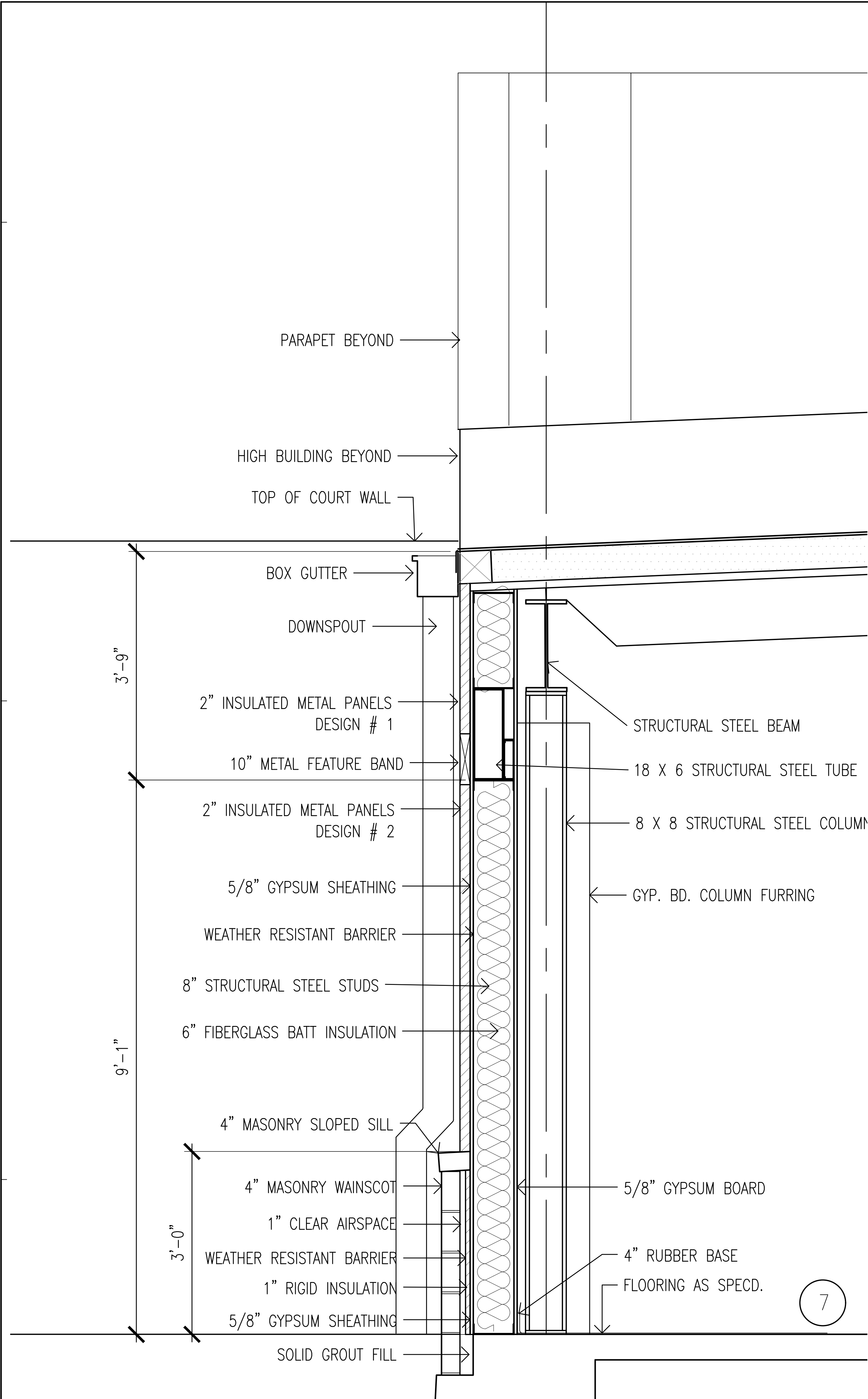
A7

12 OF 25(A) SHEETS

WALL SECTIONS
scale: 1" = 1'-0"

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WALL SECTIONS
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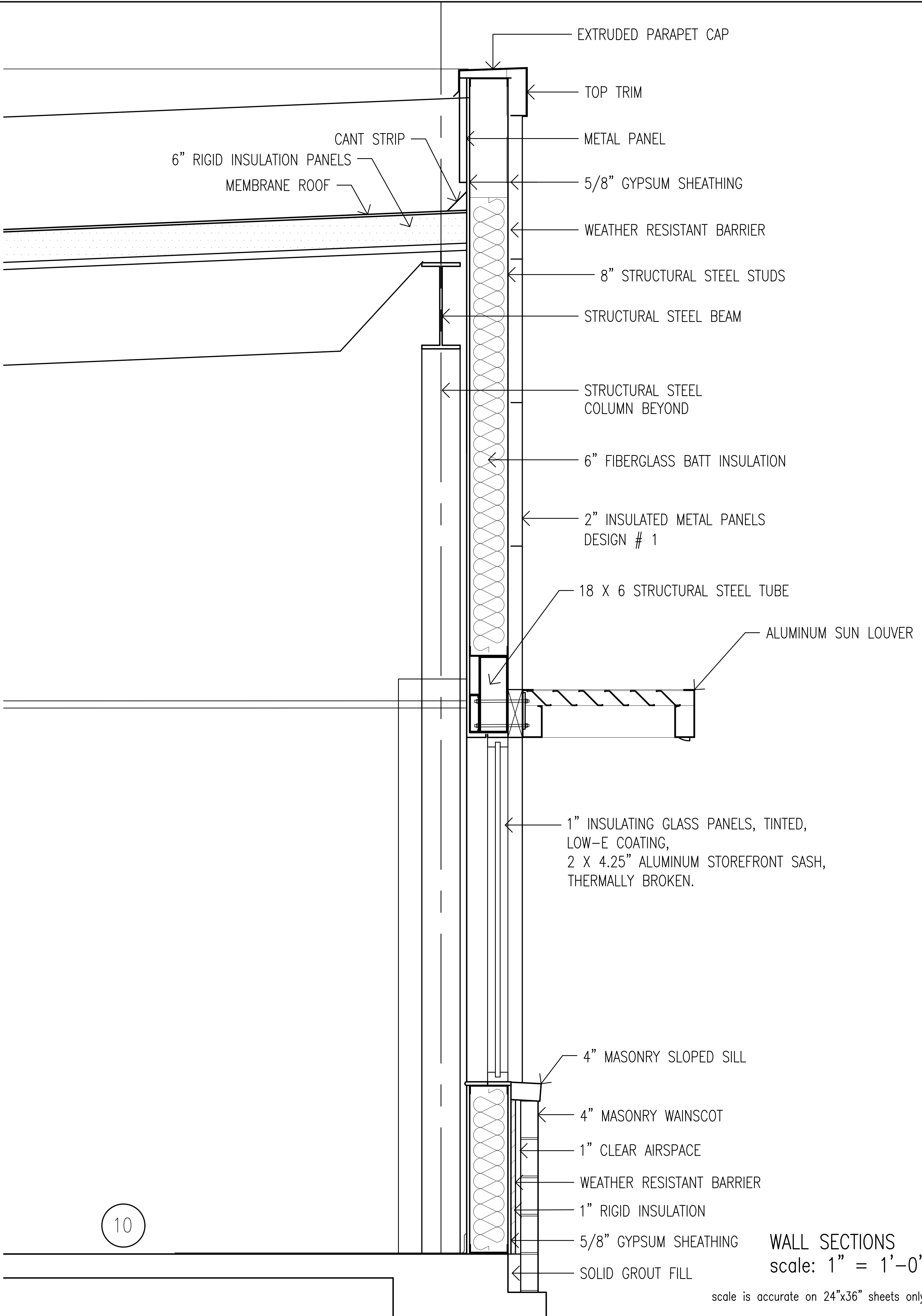
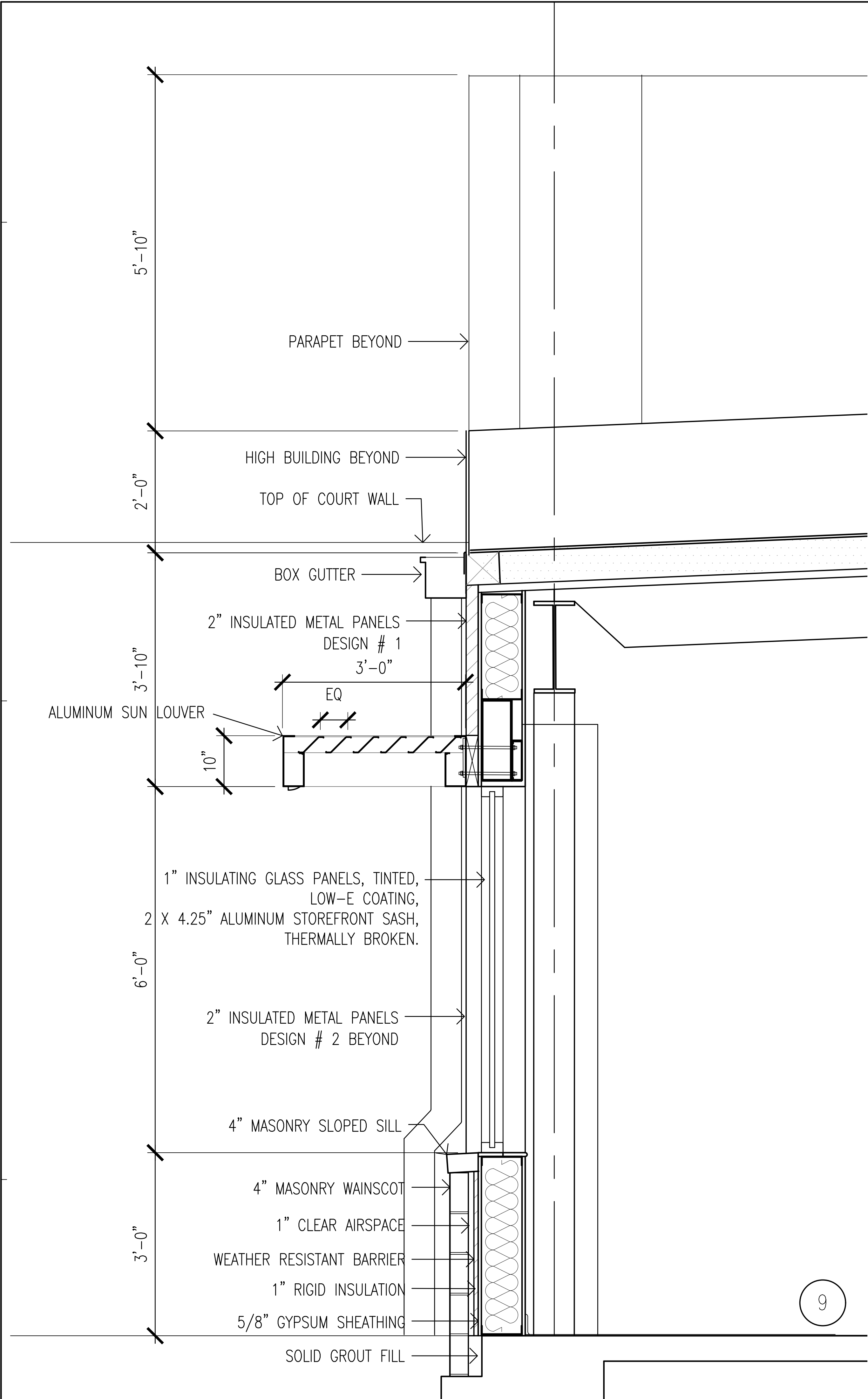
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Birmingham, Alabama 35222
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E-mail: steve@cokerarch.com

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WALL SECTIONS 2

SHEET NO.
A8
13 OF 25(A) SHEETS

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260 - McDow Road
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Stephen Coker Architect LLC
1000 Glen View Road
Birmingham, Alabama 35222
Phone 205/595-0021
E-mail: steve@cokerarch.com

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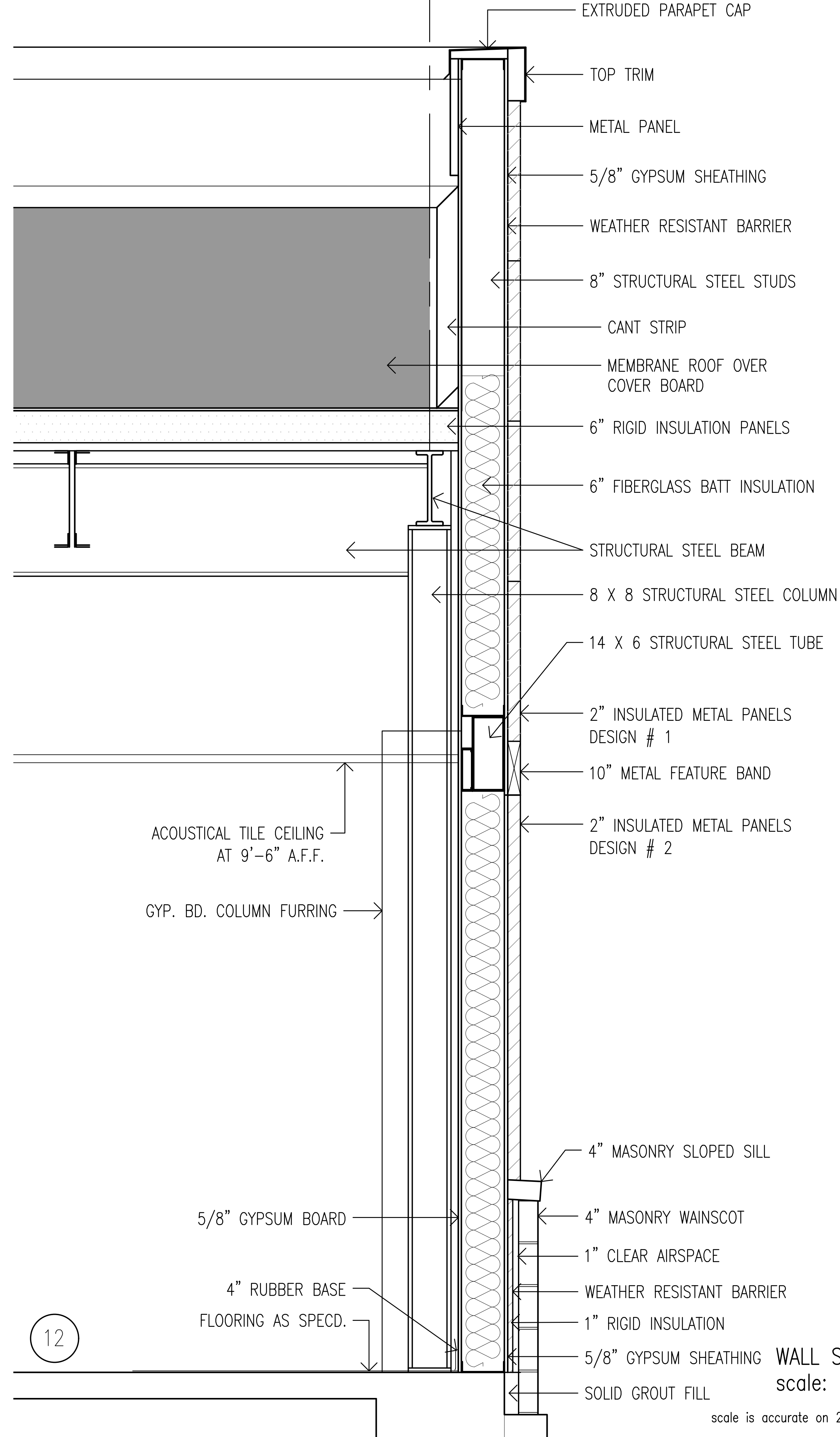
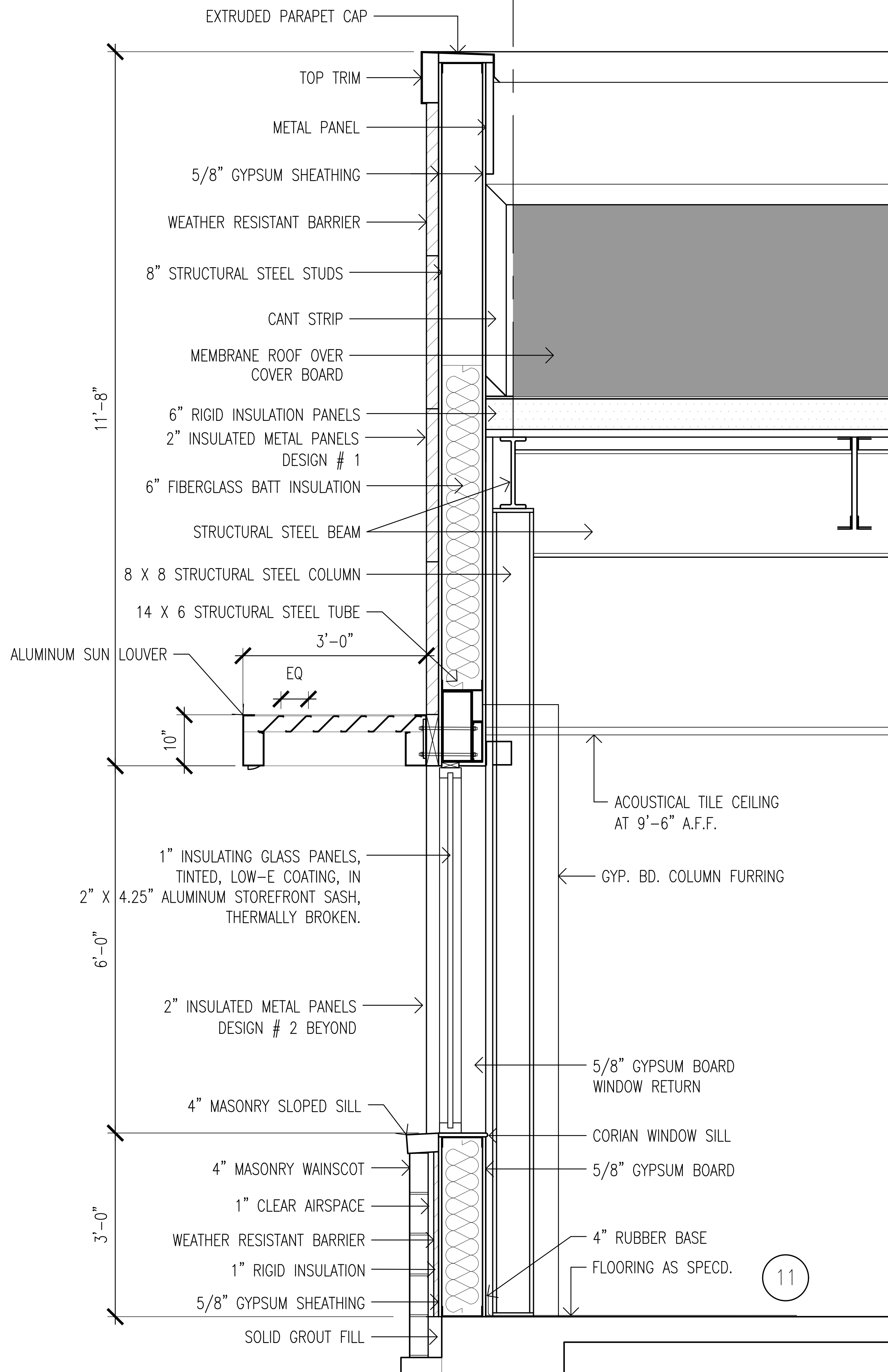
WALL SECTIONS 3

SHEET NO. **A9**

14 OF 25(A) SHEETS

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WALL SECTIONS
scale: 1" = 1'-0"
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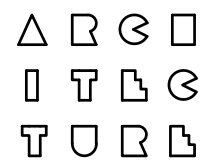
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Architect
LLC

1000 Glen View Road
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Phone 205/595-0021

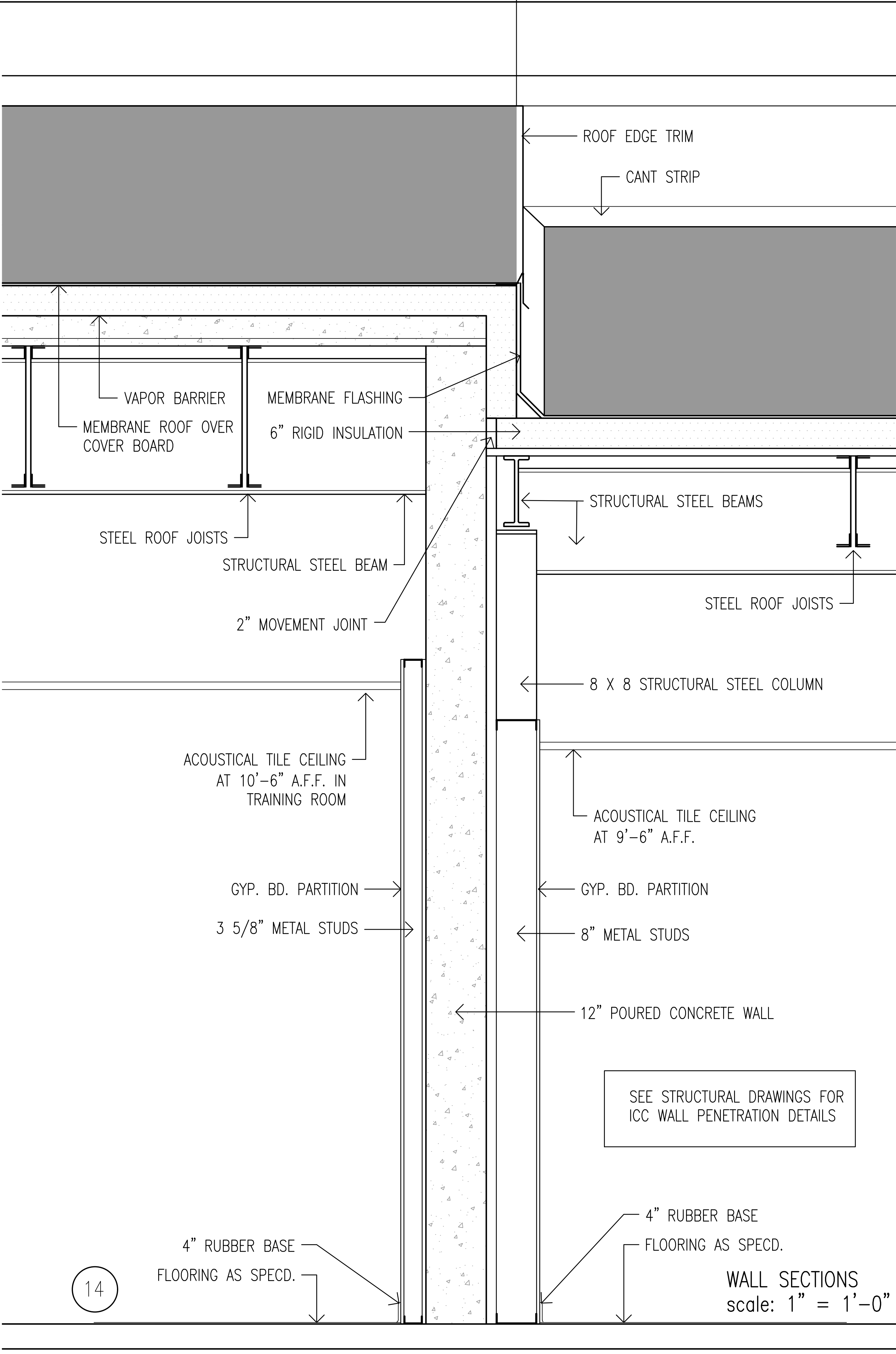
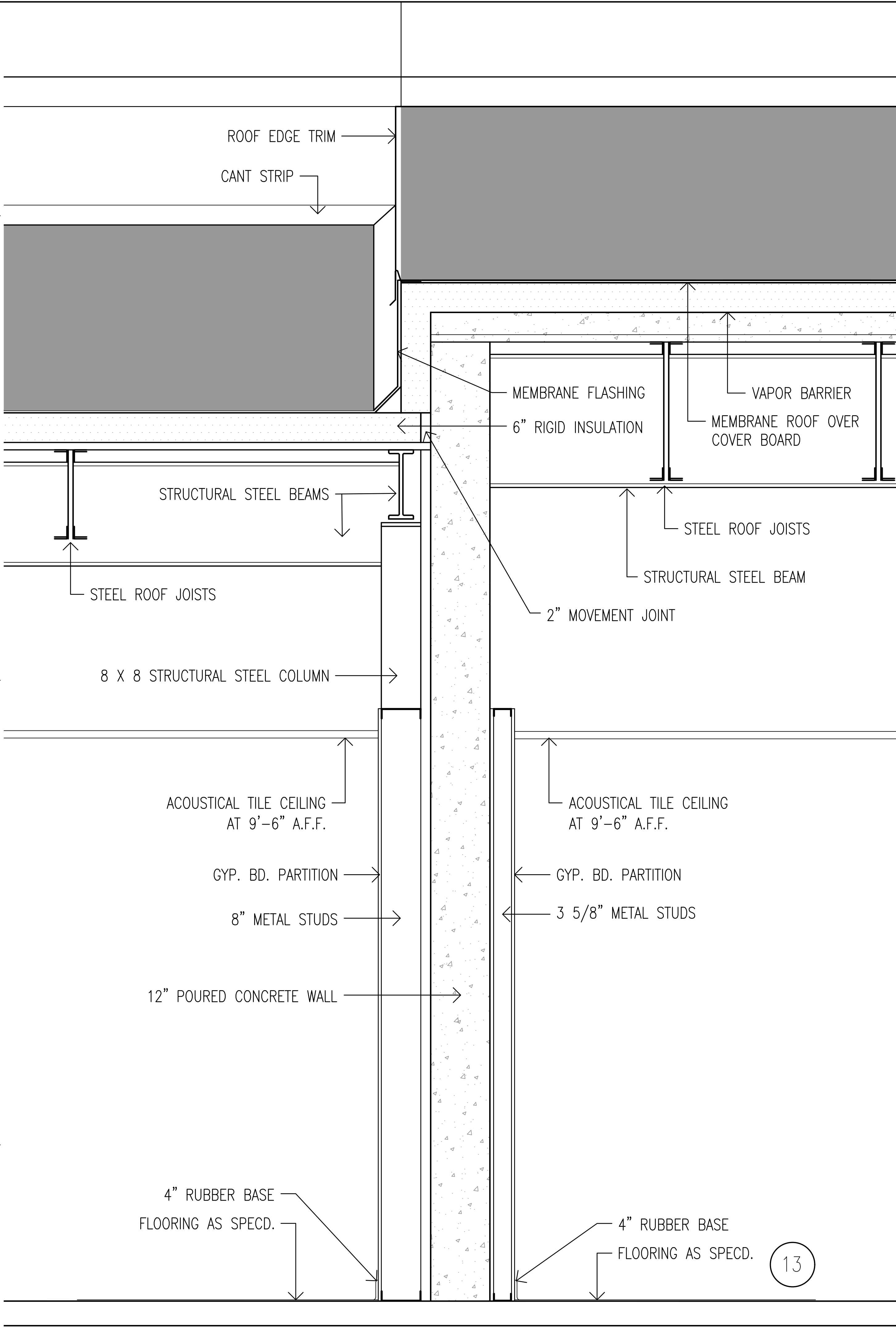
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WALL SECTIONS 4

SHEET NO.	A10
15	OF 25(A) SHEETS

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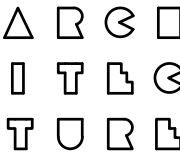
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LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
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WALL SECTIONS 5

SHEET NO.

A11

16 OF 25(A) SHEETS

SEE STRUCTURAL DRAWINGS FOR
ICC WALL PENETRATION DETAILS

WALL SECTIONS
scale: 1" = 1'-0"

scale is accurate on 24"x36" sheets only

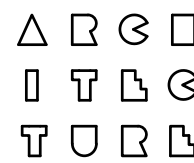
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Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

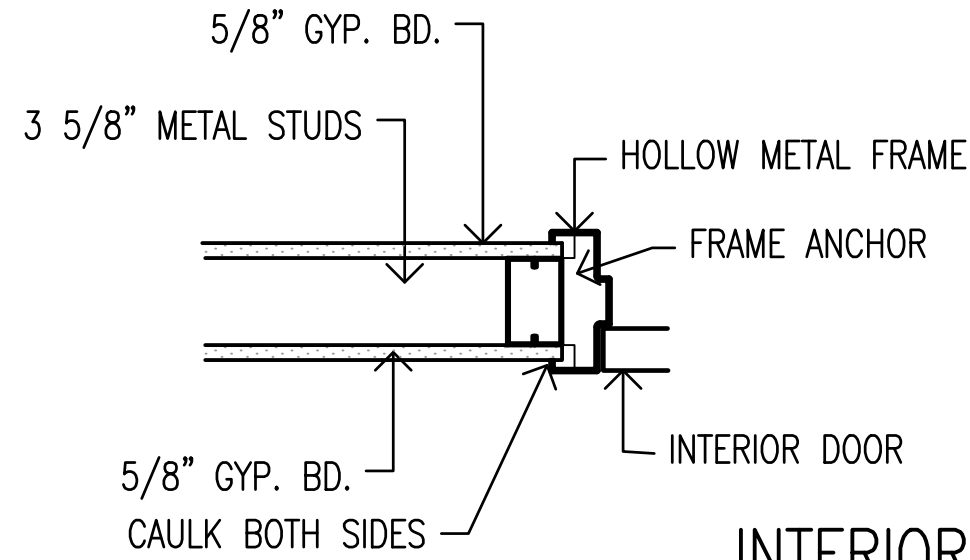
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steve@cokerarch.com

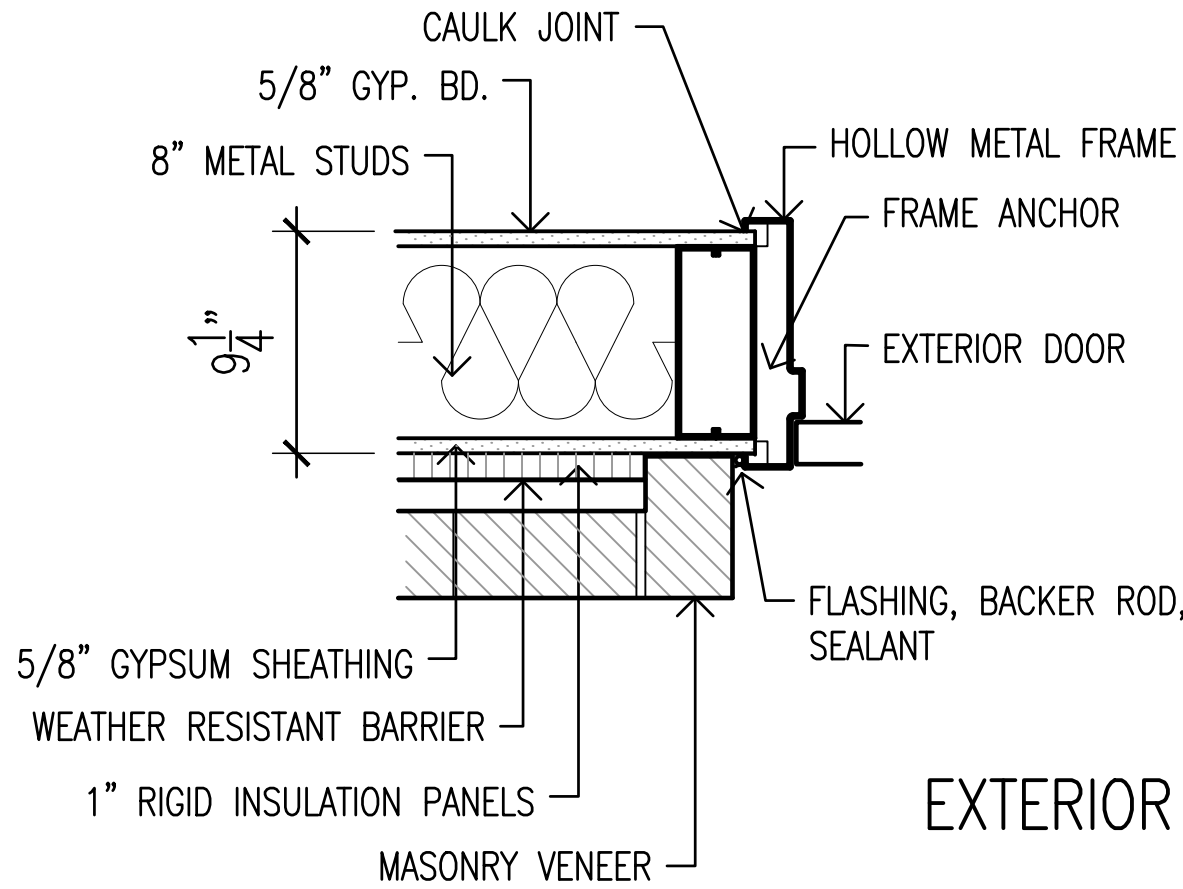
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WALL DETAILS

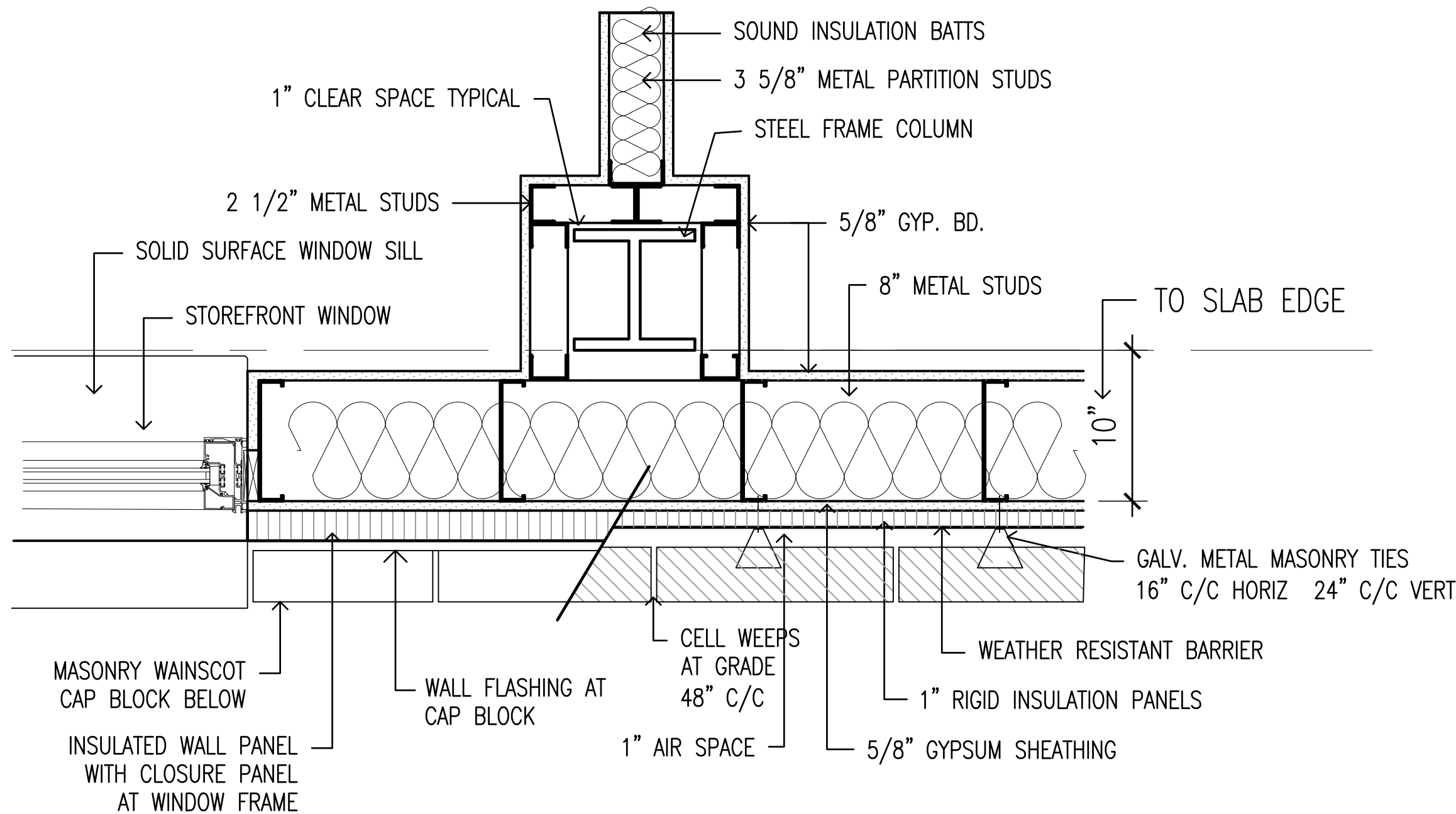
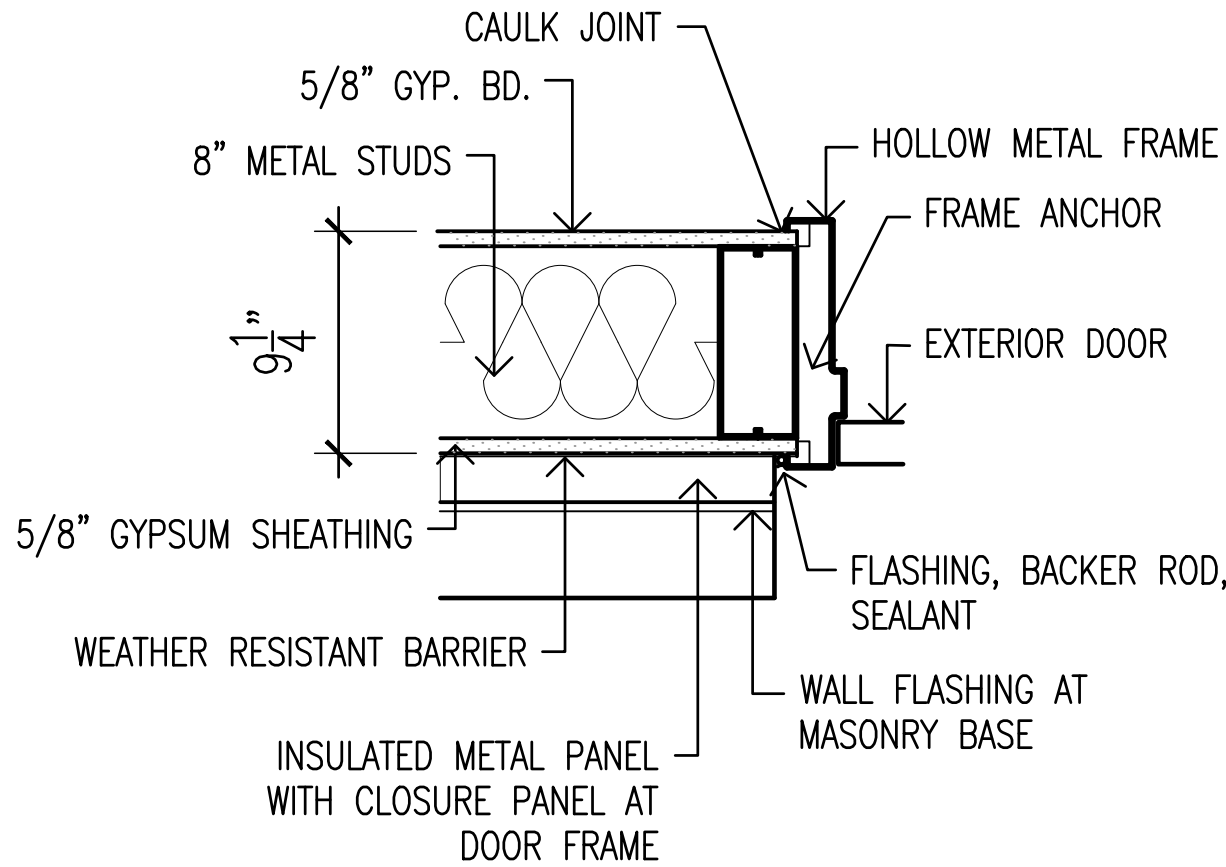
SHEET NO.
A12
17 OF 25(A) SHEETS



INTERIOR DOORS



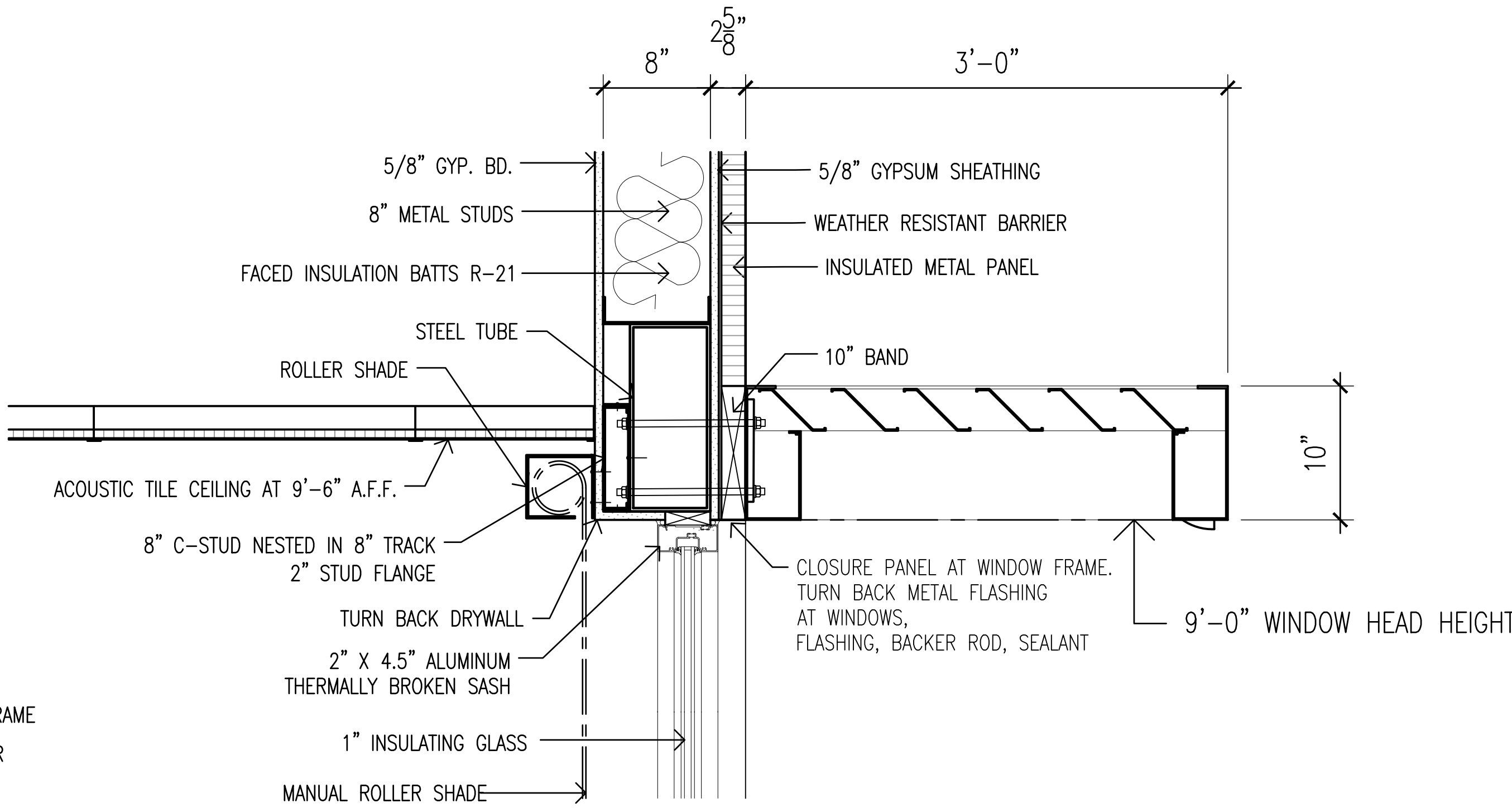
EXTERIOR DOORS



ABOVE WAINSCOT AT
OFFICE WINDOWS

PLAN VIEW
COLUMN FURRINGS

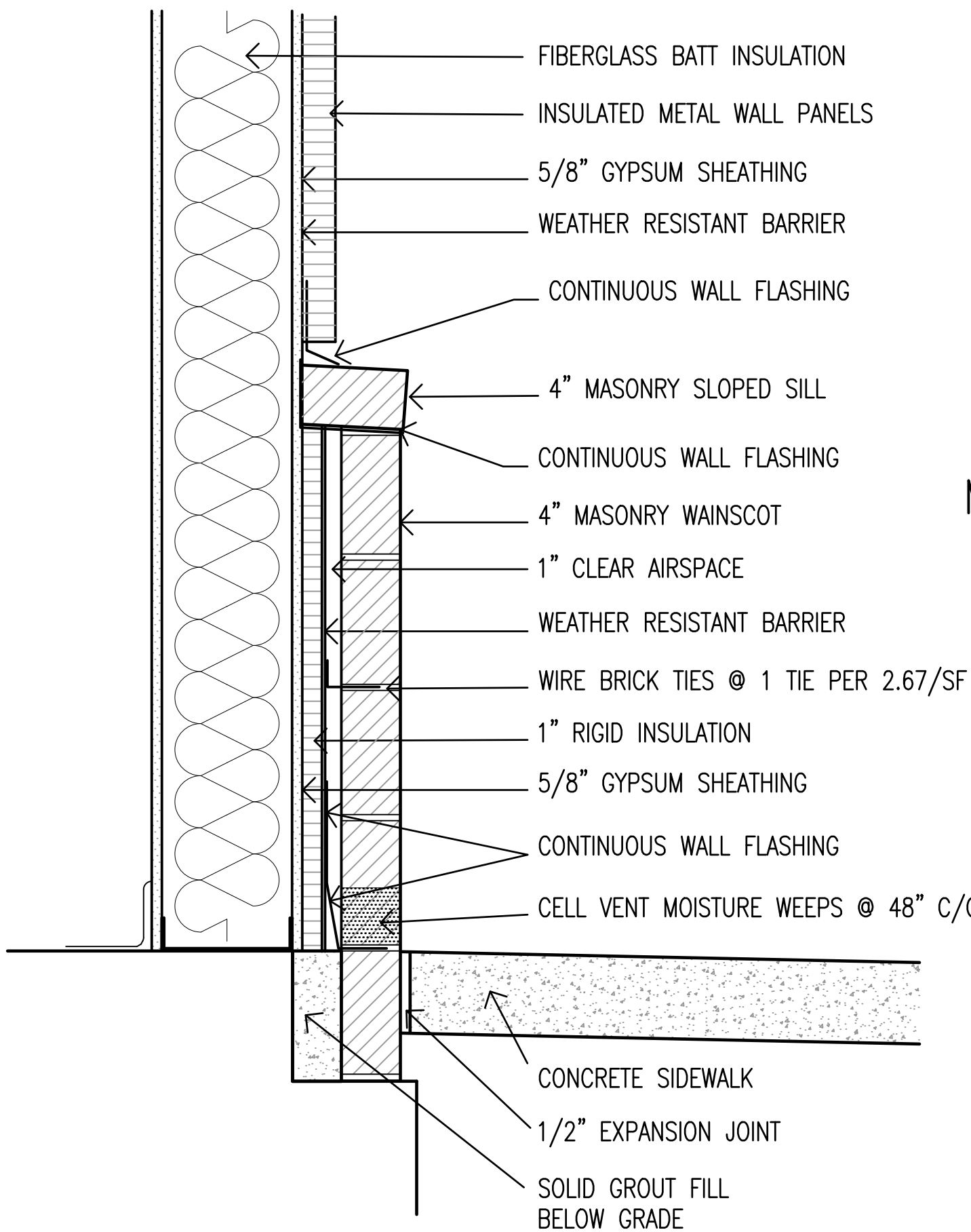
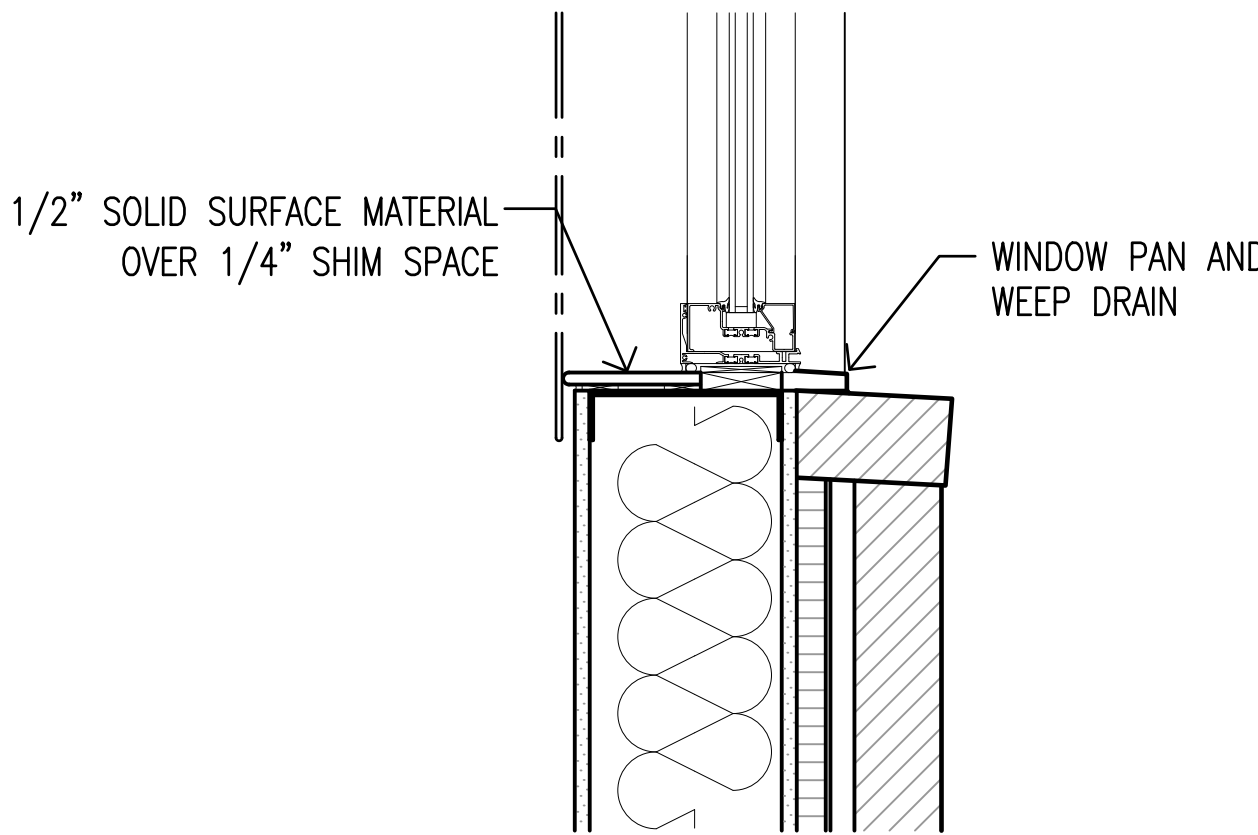
BELOW WAINSCOT AT
EXTERIOR WALL



INTERIOR

EXTERIOR

OFFICE WINDOWS
DETAILS



MASONRY WAINSCOT
DETAILS

WALL DETAILS
scale: 1 1/2" = 1'-0"
scale is accurate on 24"x36" sheets only

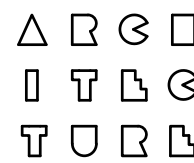
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Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

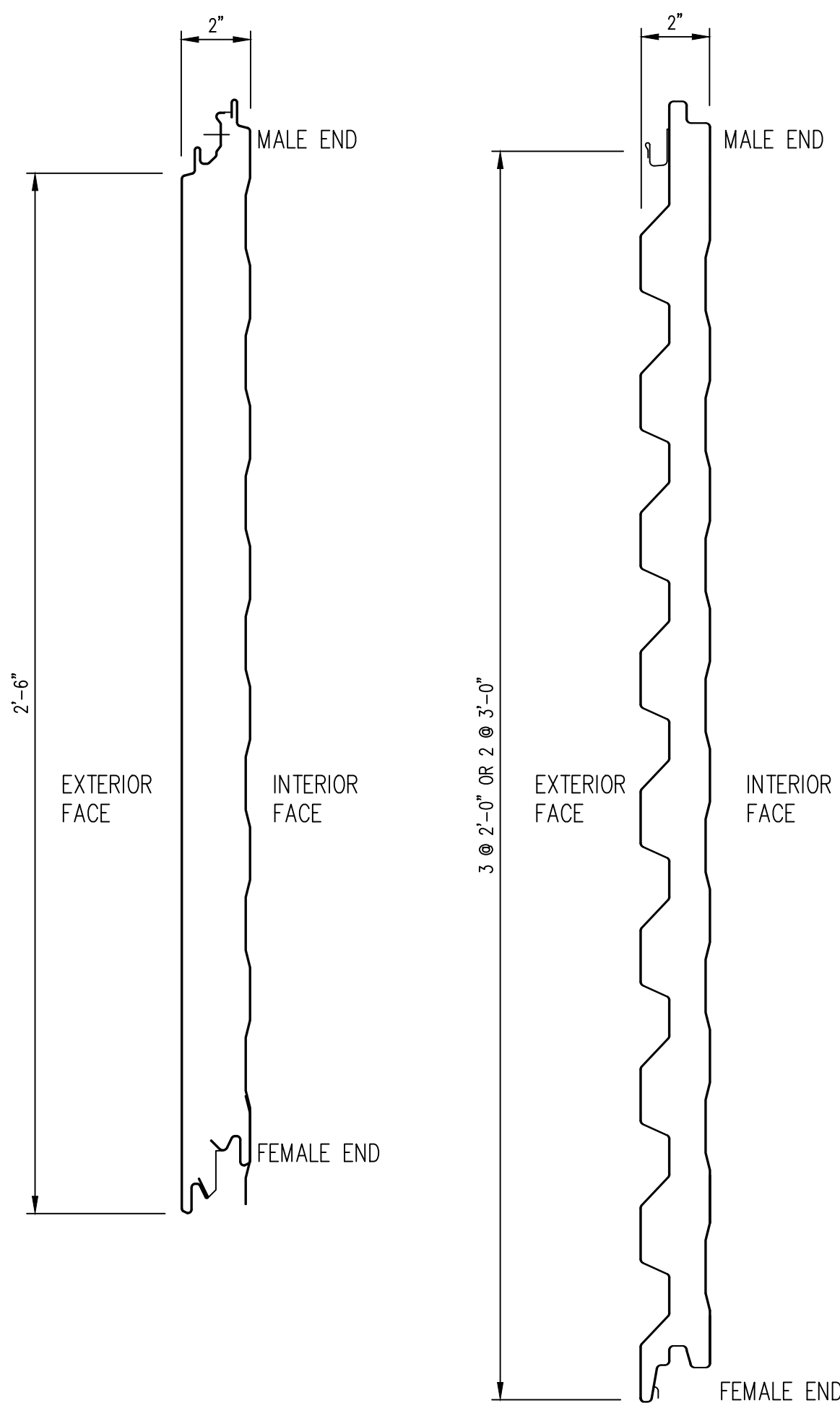
E-mail:
steve@cokerarch.com

DRAWING DATE	10-27-2025
DRAWN BY	SJC
PROJECT NO.	250407

WALL PANEL DETAILS

SHEET NO.
A13

18 OF 25(A) SHEETS



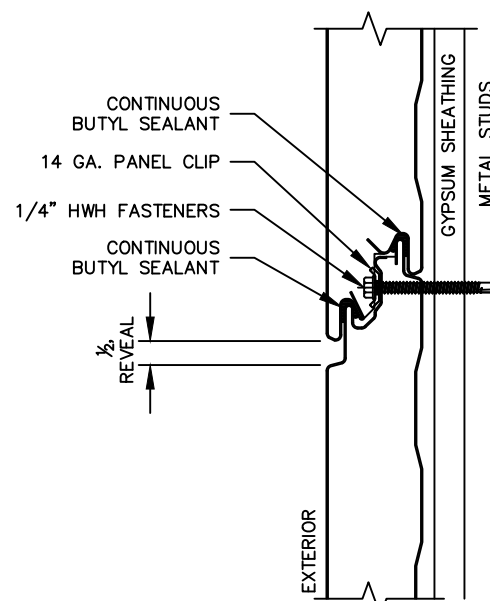
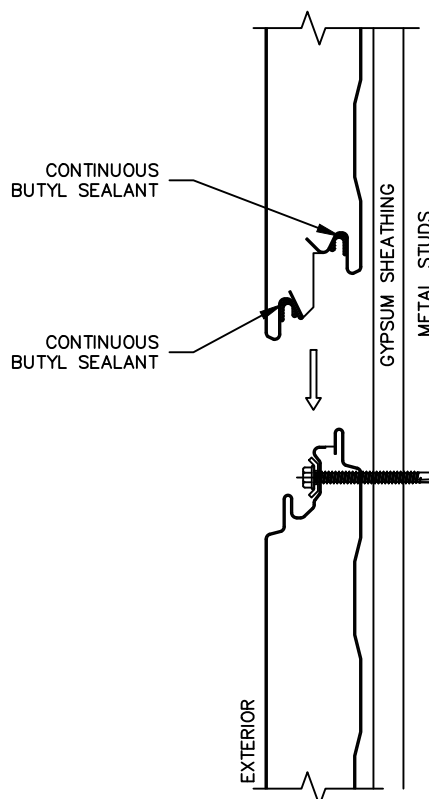
WALL PANEL DESIGN # 1 PROFILE

WALL PANEL DESIGN # 2 PROFILE

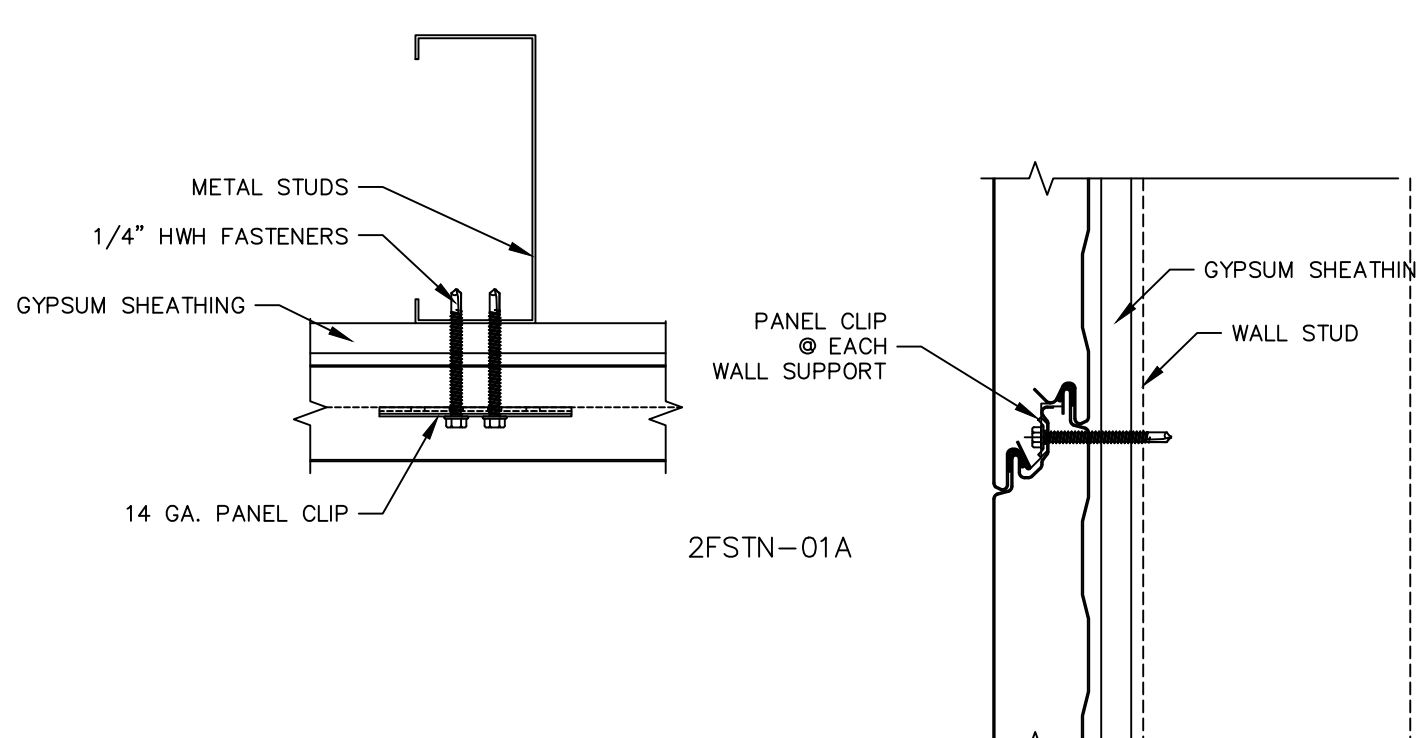
FLAT PANEL
CENTRIA FWDS OR EQUIVALENT BY
EXCEPTIONAL METALS OR
METL-SPAN

RIBBED PANEL
CENTRIA DS60 OR EQUIVALENT BY
EXCEPTIONAL METALS OR
METL-SPAN

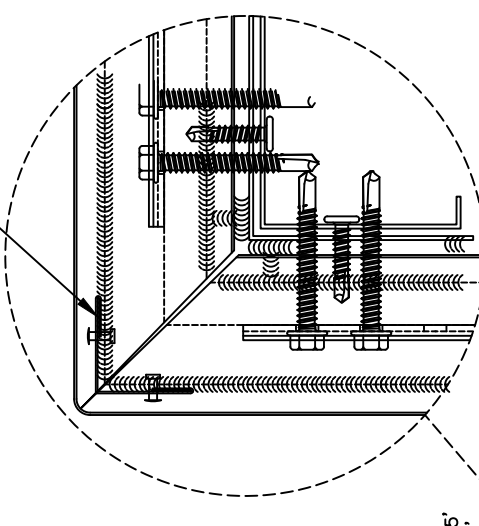
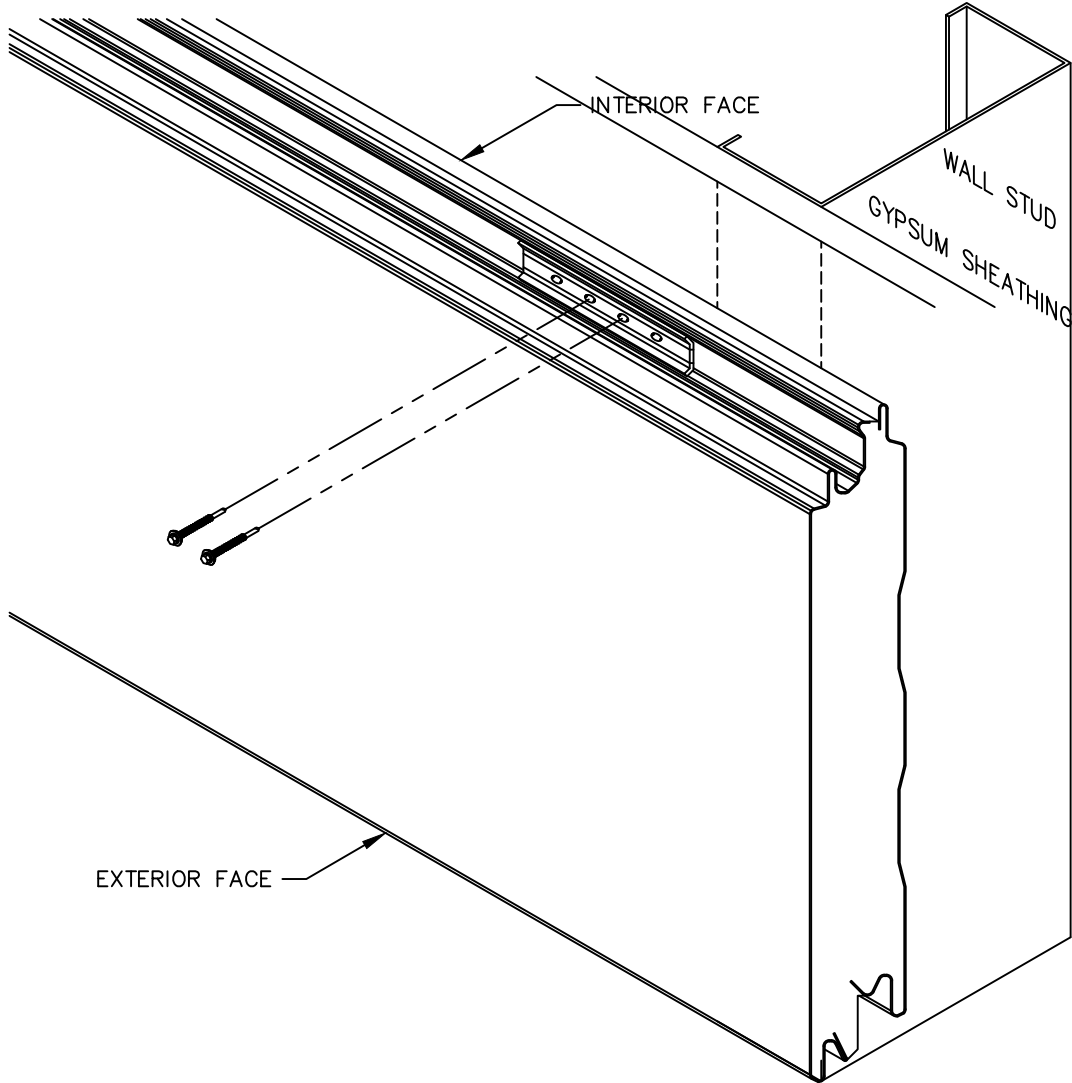
THESE DETAILS REPRODUCED FROM MANUFACTRER'S FILES
CENTRIA METALS / EXCEPTIONAL METALS / METL -SPAN / NUCOR



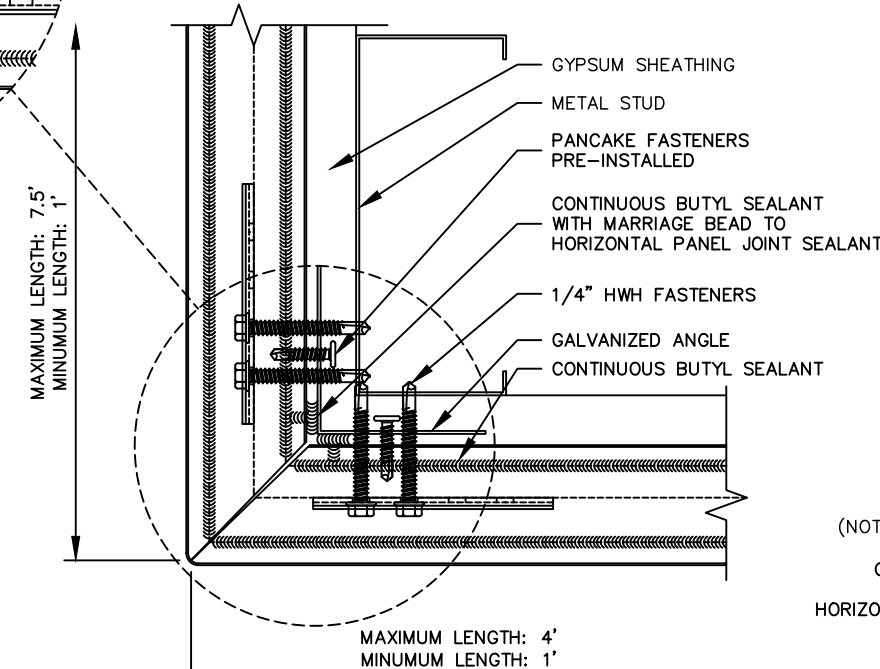
SIDE JOINT ATTACHMENT/
ARCH. FLAT



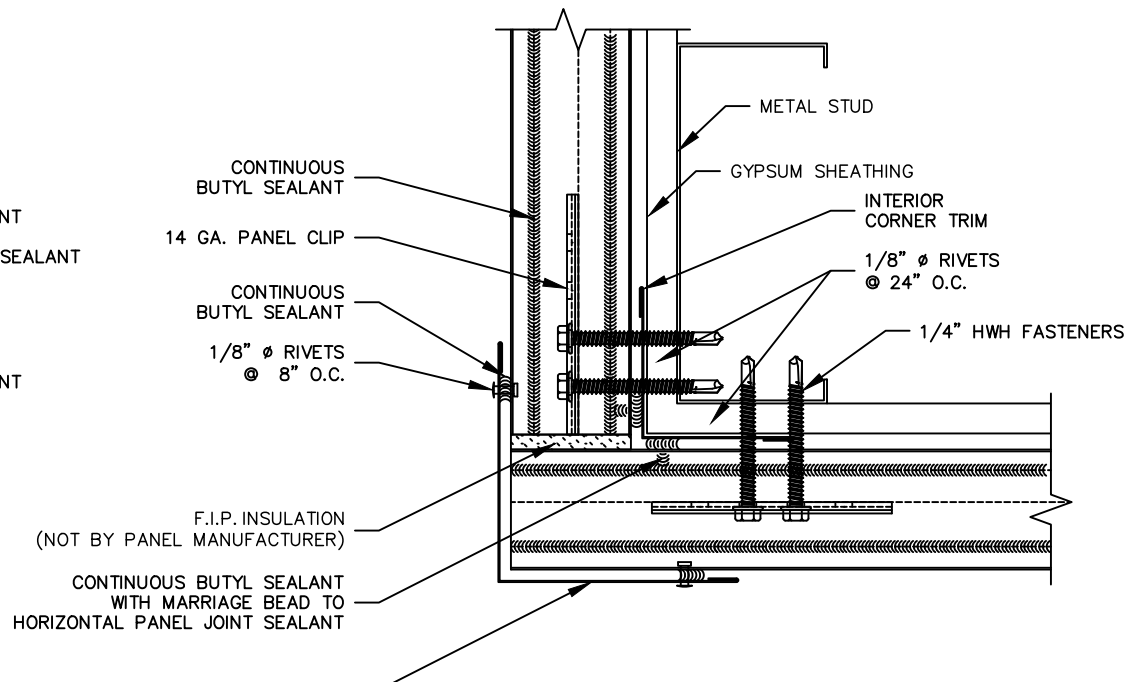
WALL PANEL ATTACHMENT DETAILS



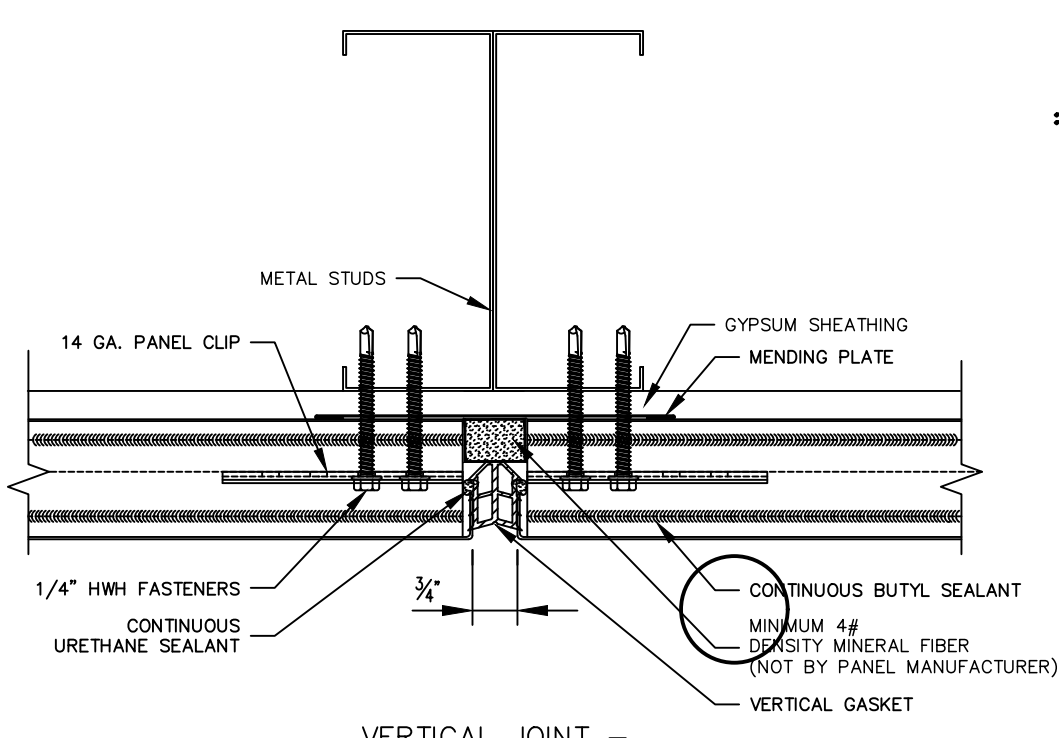
COVER PLATE REQUIRED
WHEN PANEL HAS A REVEAL



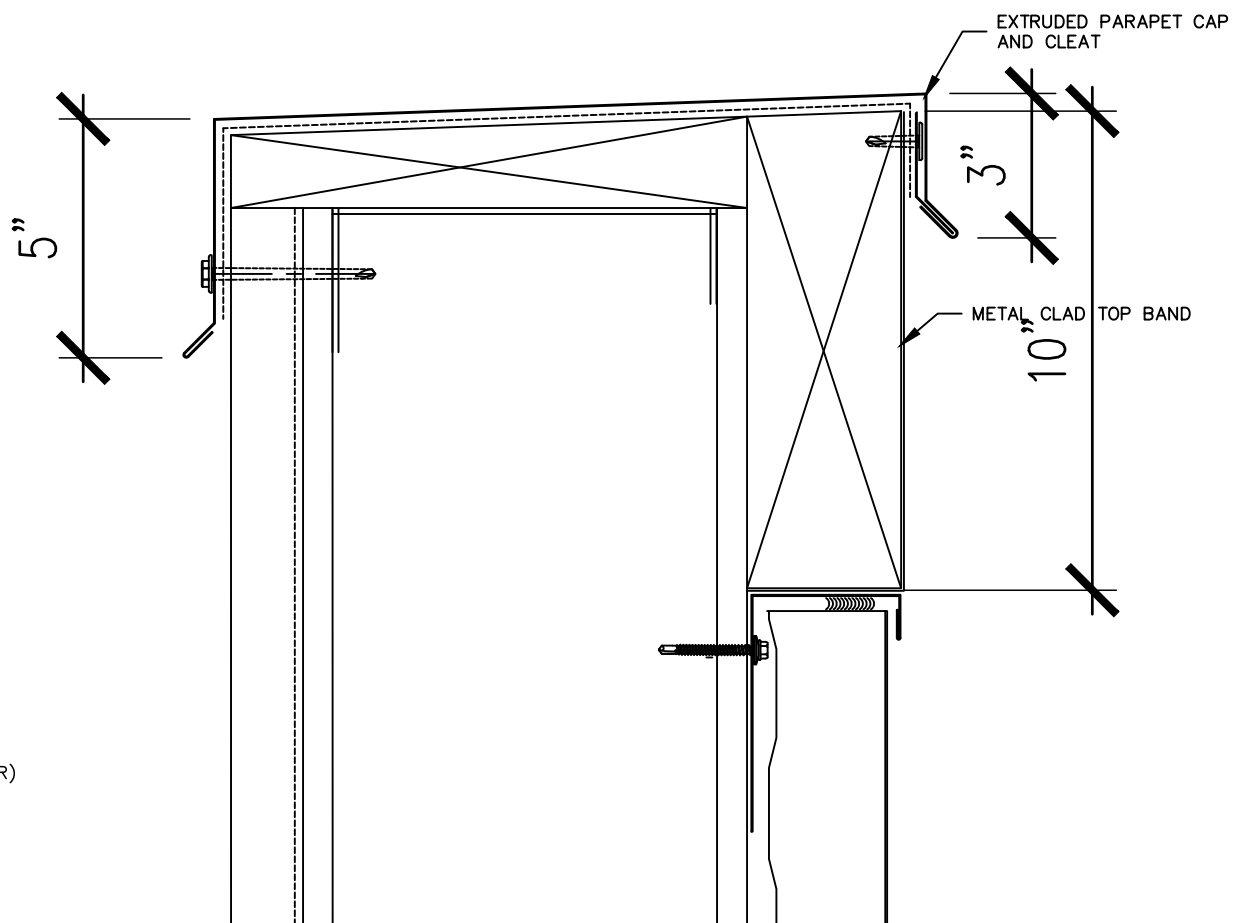
OUTSIDE CORNER PANEL DETAIL
PREFERRED



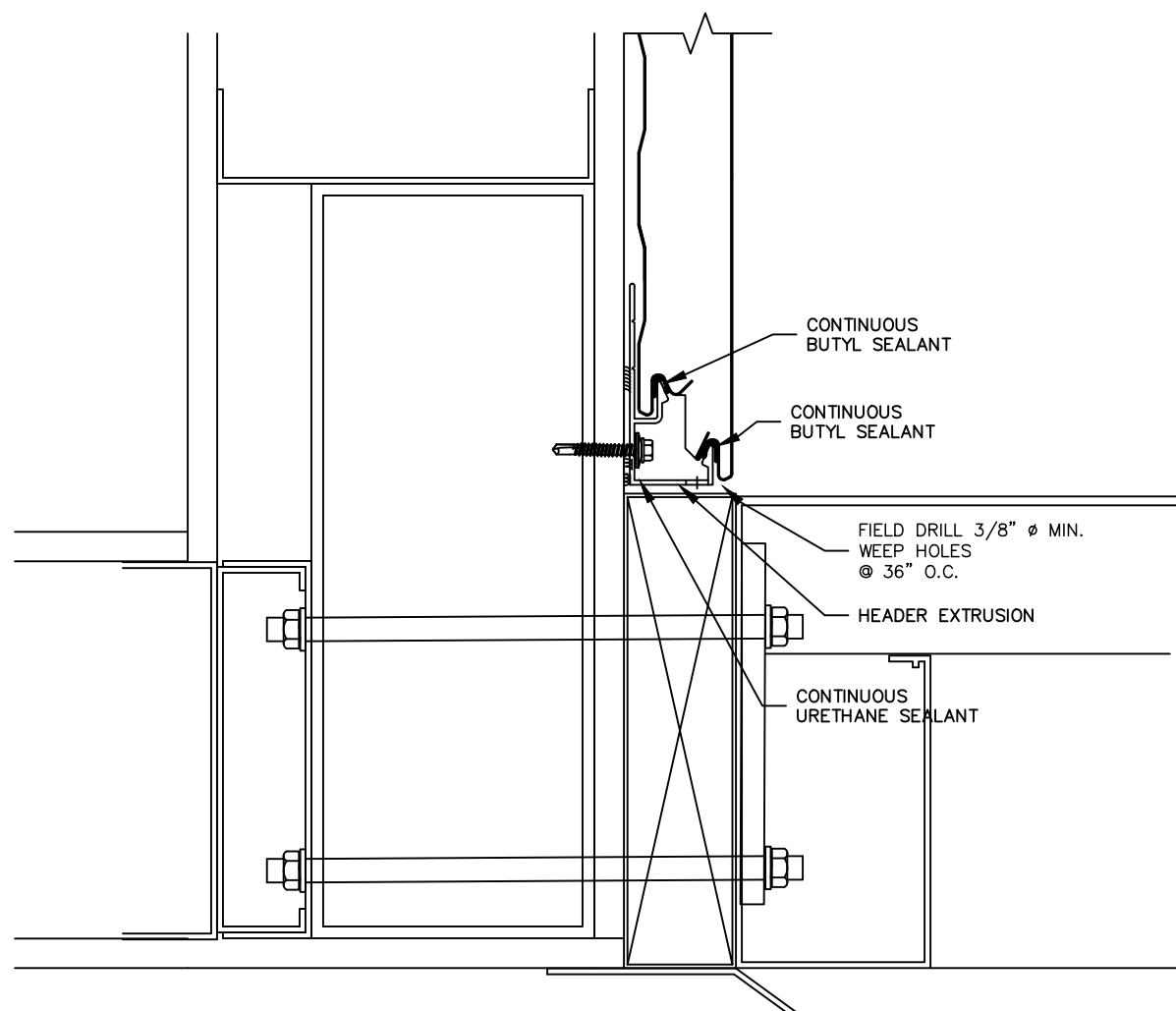
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OPTIONAL



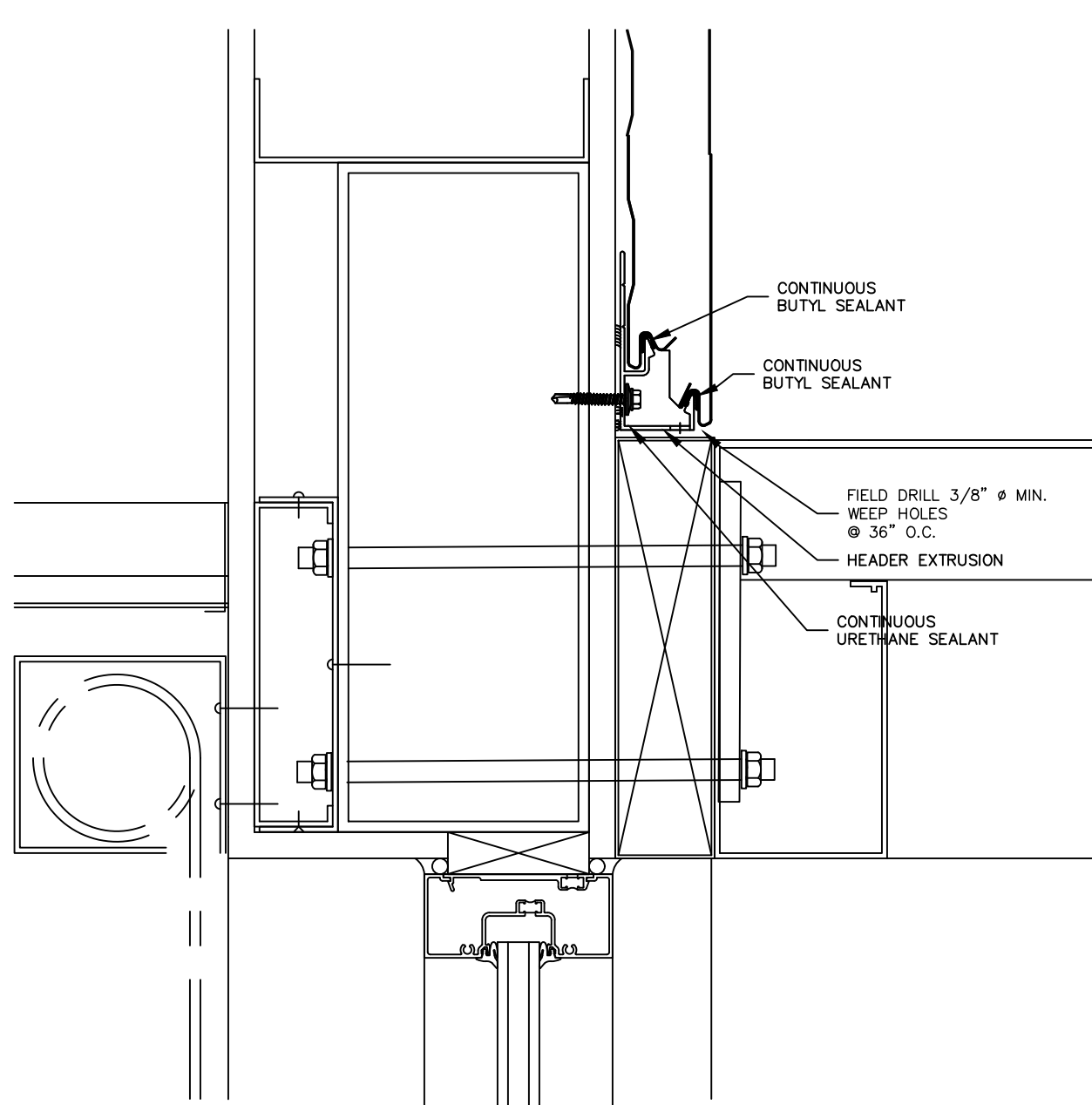
VERTICAL PANEL JOINT DETAIL



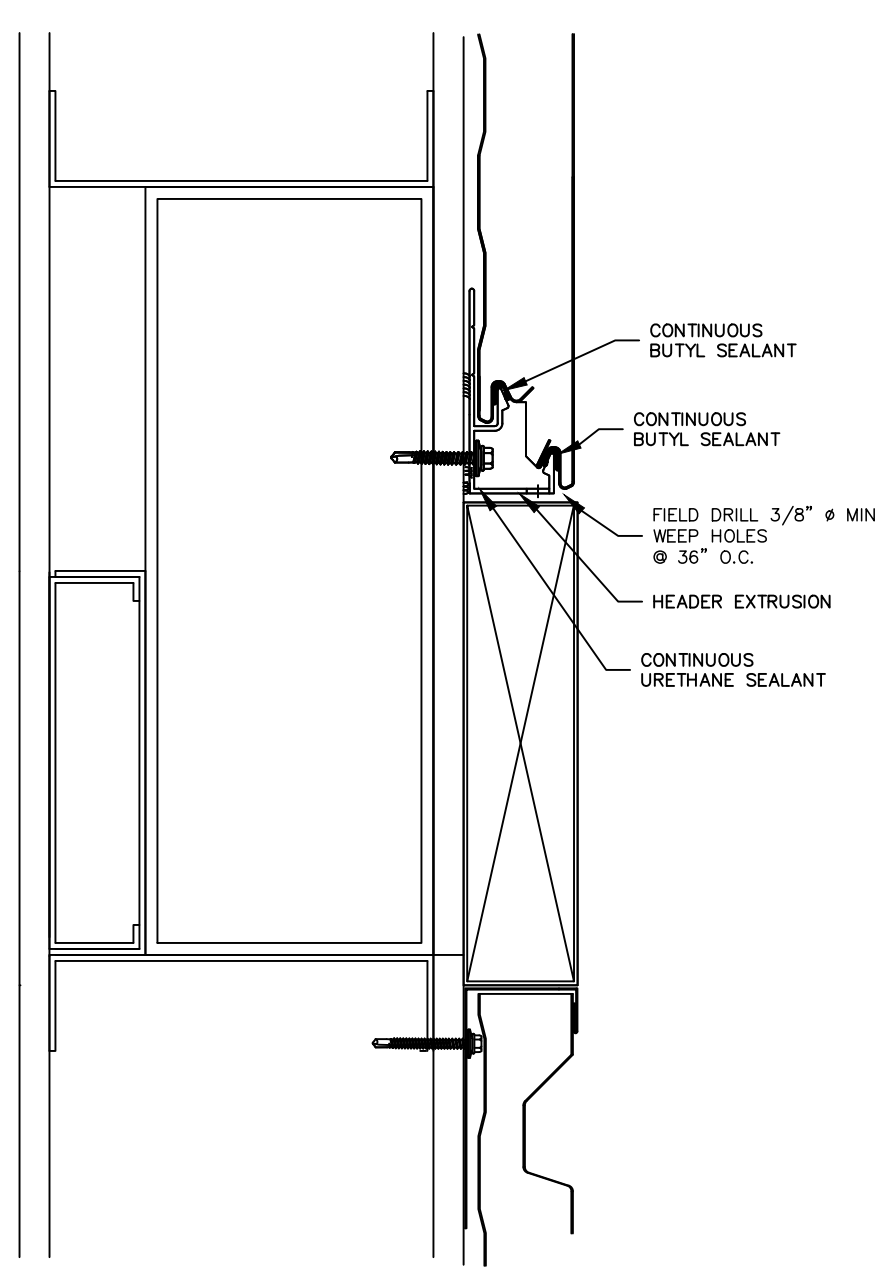
WALL PANEL DETAIL AT PARAPET



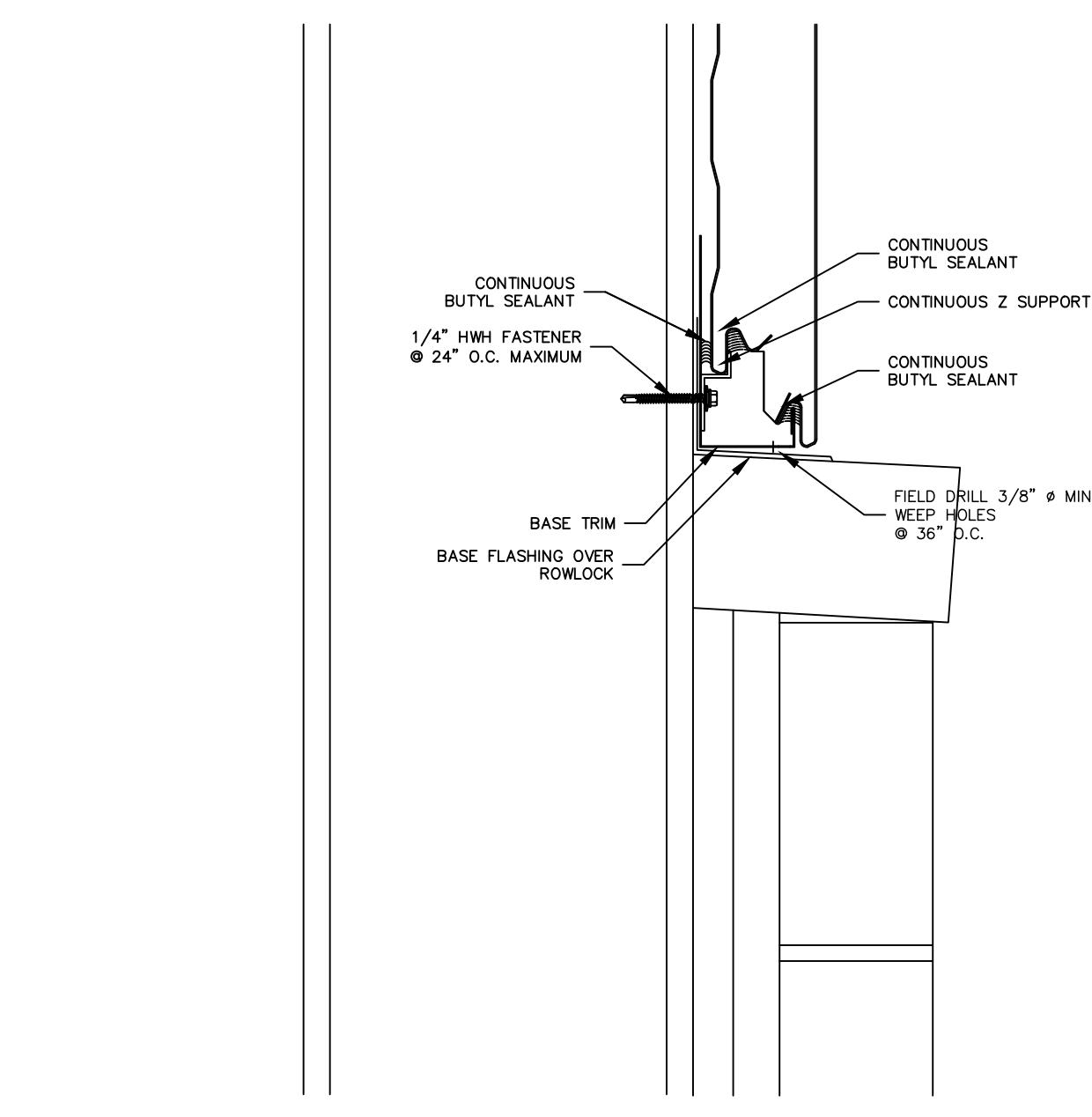
WALL PANEL DETAIL AT FRONT ENTRY
AND SOLAR LOUVER



WALL PANEL DETAIL AT WINDOW HEAD
AND SOLAR LOUVER



WALL PANEL DETAIL AT FEATURE BAND

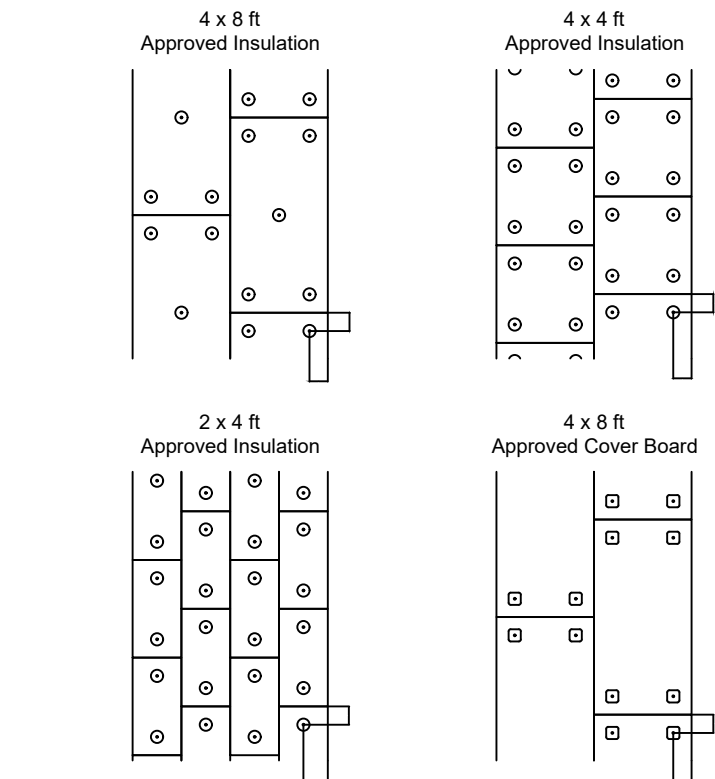


WALL PANEL DETAIL AT MASONRY WAINSCOT

WALL PANEL DETAILS
scale: 3" = 1'-0"

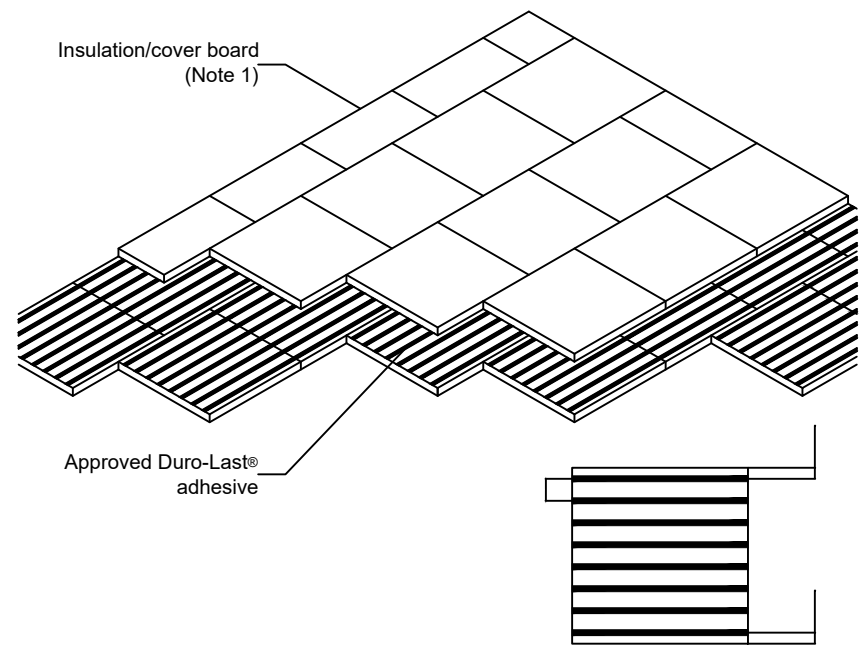
scale is accurate on 24"x36" sheets only

C:\Users\steve\OneDrive\Desktop\CURRENT PROJECTS\SHELBY COUNTY EMA-IT\SHELBY COUNTY EMA-IT REVERSED PLAN.dwg, 10/28/2025 11:27:50 AM



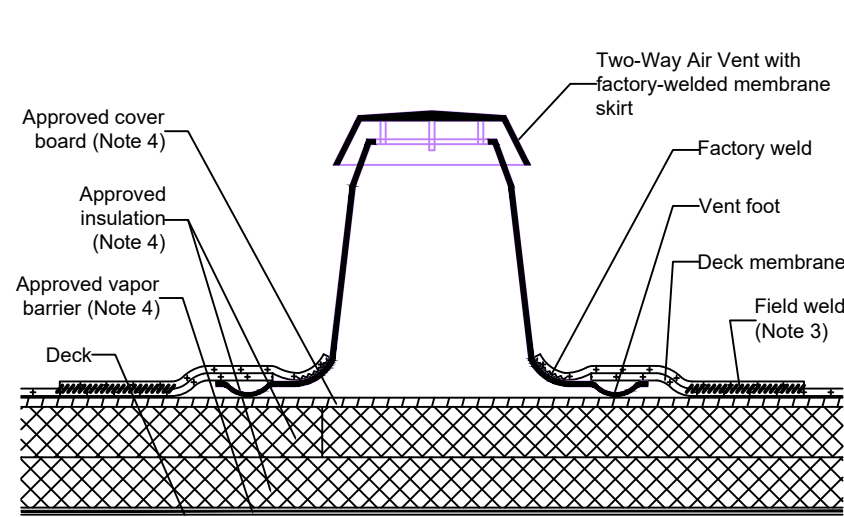
- Note 1: It is recommended to stagger all joints between boards by 50% from row to row and layer to layer.
- Note 2: Adjoin panel edges together. Neatly fit to the roof deck and around penetrations with no gaps greater than 1/4 inch.
- Note 3: Fasten with approved plates and fasteners.
- Note 4: **These fastening patterns are to be used with mechanically fastened systems only.**

INSULATION & RECOVERY FASTENING



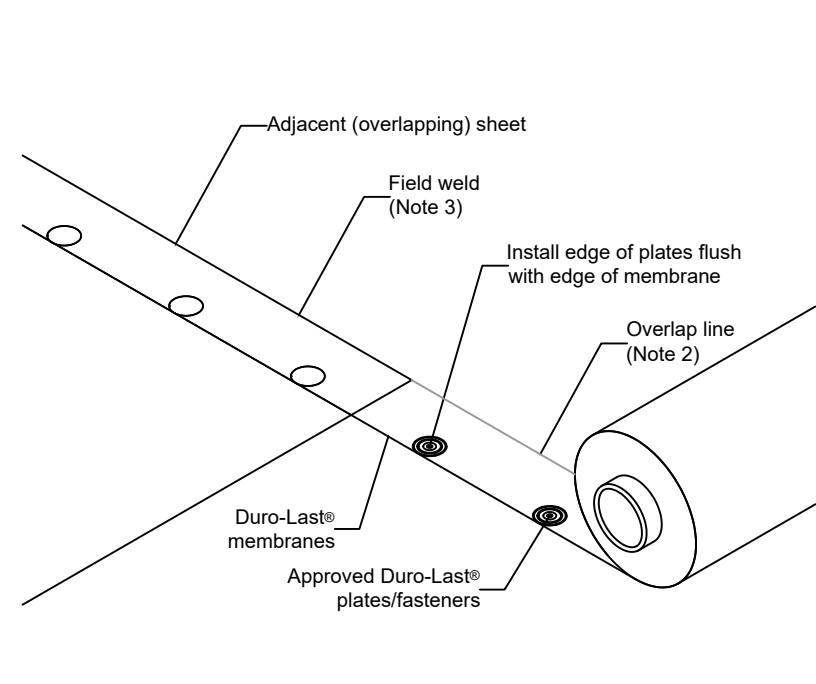
- Note 1: Insulation must be no greater than 4 x 4-foot. Cover board must be no greater than 4 x 8-foot.
- Note 2: Perimeter width equals the lesser of 10% of narrowest building dimension or 40% of building height.
- Note 3: Contact Duro-Last® Engineering Services Department for assistance in determining adhesion requirements if: building is 40 feet tall, or taller; or building is located in an area with an ASCE 7-05 design wind speed of 110 mph, or higher (150 mph, or higher, for ASCE 7-10); or adhesion resistance is less than 150 pounds per square foot.
- Note 4: It is recommended to stagger all joints between boards by 50% from row to row and layer to layer.
- Note 5: Adjoin panel edges together. Neatly fit to roof deck and around penetrations with no gaps greater than 1/4 inch. Seal all penetrations and deck/wall transitions.

INSULATION PERIMETER ADHESION



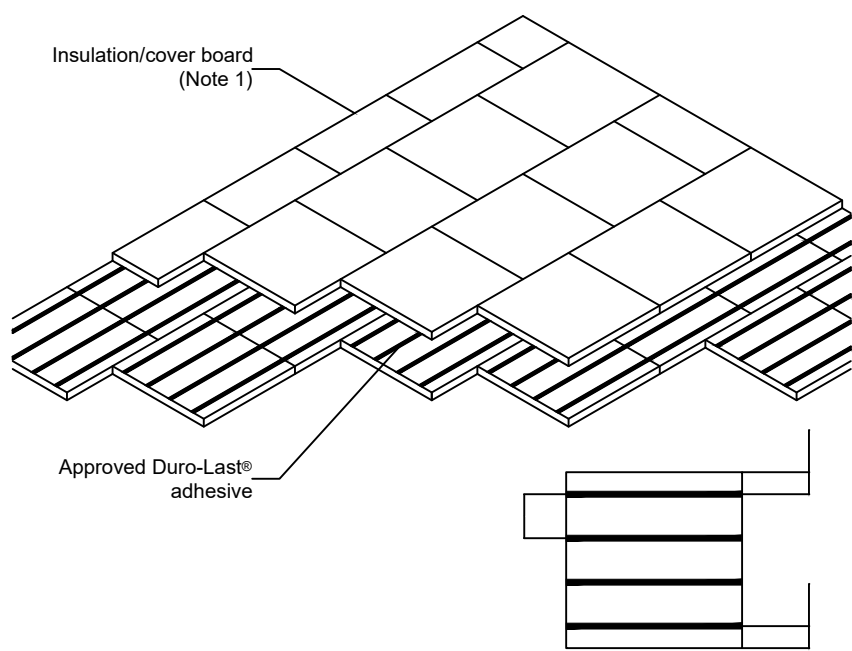
- INSTRUCTIONS**
- Install Two-Way Air Vents (vents) between fastener rows and at high points of roof area. Vents must not be installed within 7 feet of the building edge. Never install vents in low, or drainage areas.
 - A minimum of one vent must be installed for every 1,000 square feet of roof area, or portion thereof, but with a minimum of two vents per roof area.
 - Vent Placement
 - Corners** - Vents must first be installed within 8 to 10 feet of the outer corners. Install vents at opposite corners whenever possible.
 - Remaining Roof Area** - Starting at 8 to 10 feet from the building edge, evenly distribute the remaining vents throughout the remaining roof area. (Smaller roof areas may not have additional vents.)
 - Cut a 7-inch diameter hole and a 2-inch slit in deck membrane. Rotate vent to allow feet to slide underneath deck membrane at slit (see drawing above). Do **not** fasten vent to roof deck.
- Note 1: **Vents must NOT be used on refrigerated buildings, freezer buildings or adhered roofing systems.**
- Note 2: Vents are not required on open-air structures (e.g. carports) or roofing systems with overburden (e.g. ballast, paver, vegetation, etc.).
- Note 3: All field welds shall be a minimum of 1-1/2 inches wide.
- Note 4: Refer to specifications for vapor barrier, insulation and cover board requirements.

TWO WAY AIR VENT



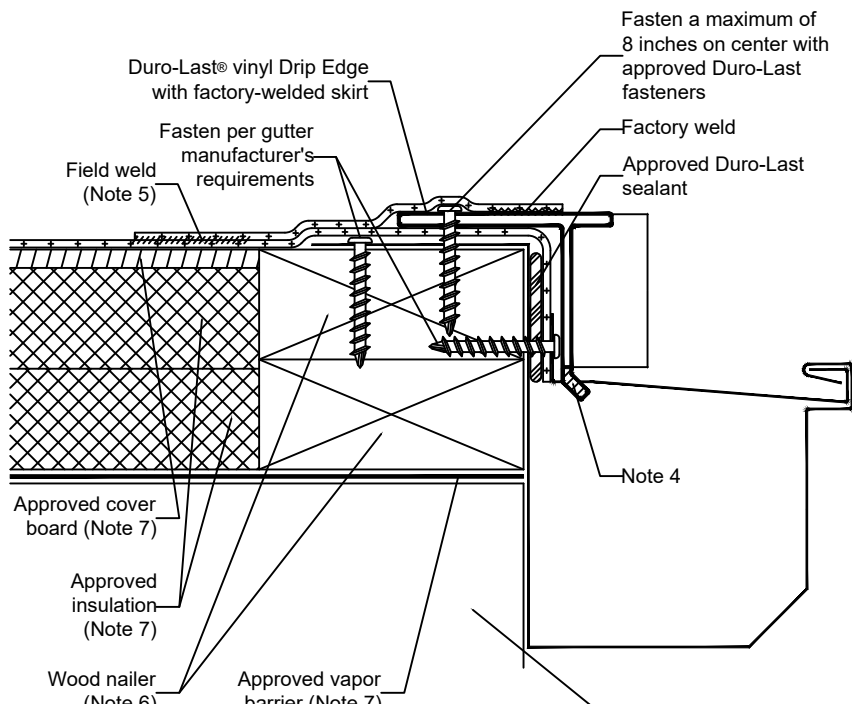
- Note 1: Proper fastener spacing can be determined using the Fastener Spacing Tables in the *Roll Good Mechanically Fastened Roofing System* specification.
- Note 2: Some membranes will have an overlap line located 6 inches from the edge of the sheet, and X's or dots placed at 6-inch intervals for ease of fastener placement.
- Note 3: All field welds shall be a minimum of 1-1/2 inches wide.

FASTENER PLACEMENT & SHEET OVERLAP



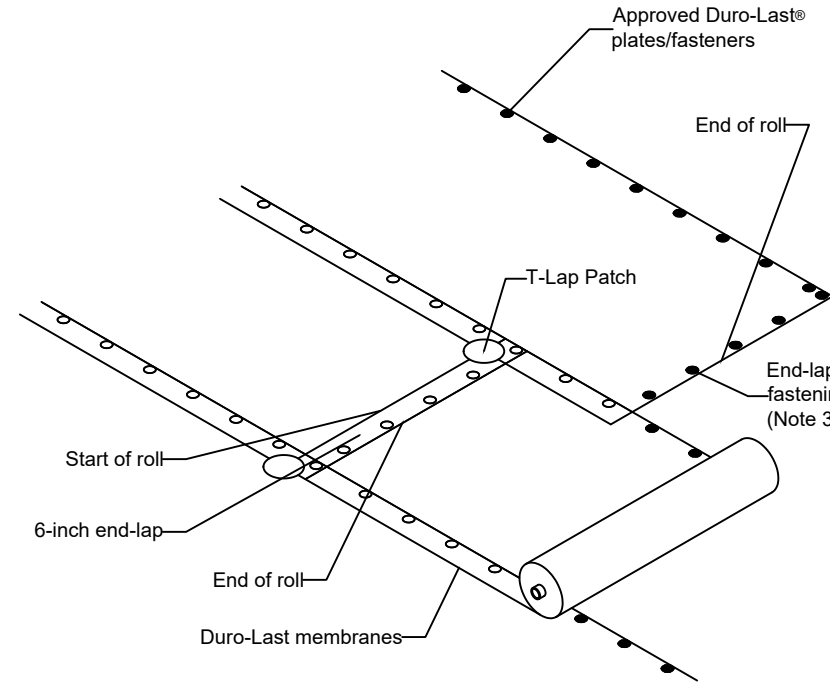
- Note 1: Insulation must be no greater than 4 x 4-foot. Cover board must be no greater than 4 x 8-foot.
- Note 2: Perimeter width equals the lesser of 10% of narrowest building dimension or 40% of building height.
- Note 3: Contact Duro-Last® Engineering Services Department for assistance in determining adhesion requirements if: building is 40 feet tall, or taller; or building is located in an area with an ASCE 7-05 design wind speed of 110 mph, or higher (150 mph, or higher, for ASCE 7-10); or adhesion resistance is less than 150 pounds per square foot.
- Note 4: It is recommended to stagger all joints between boards by 50% from row to row and layer to layer.
- Note 5: Adjoin panel edges together. Neatly fit to roof deck and around penetrations with no gaps greater than 1/4 inch. Seal all penetrations and deck/wall transitions.

INSULATION FIELD ADHESION



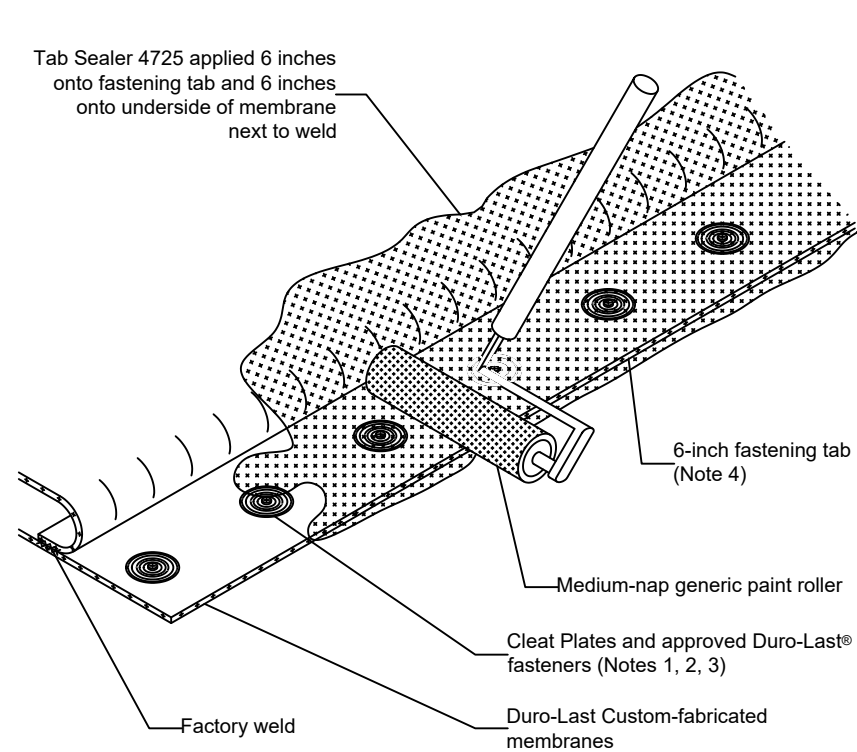
- Note 1: The use of this detail is not allowed on adhered applications.**
- Note 2: Refer to Detail Drawing 3080 for installation of skirt and joint clips.
- Note 3: A 1-inch gap is required between sections of Duro-Last vinyl Drip Edge.
- Note 4: If a notch is to be cut for gutter straps, it must be cut no closer than 1 inch from the top of the Drip Edge.
- Note 5: All field welds shall be a minimum of 1-1/2 inches wide.
- Note 6: Wood nailers must withstand a minimum force of 180 pounds per lineal foot (per building code). Any pull values greater than 270 pounds will allow for a fastener spacing of 18 inches on center. Pull values less than 270 pounds will require additional fasteners. **The installing contractor is responsible for meeting building codes.**
- Note 7: Refer to specifications for vapor barrier, insulation and cover board requirements.

DRIP EDGE AT GUTTER



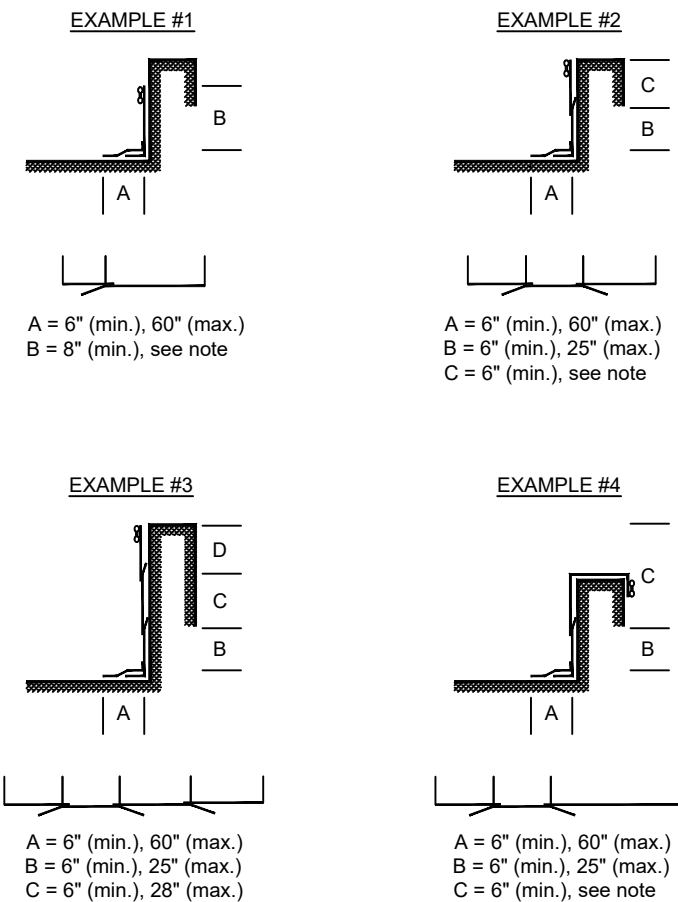
- Note 1: This detail applies to roll good membrane installations (excluding Shingle-Ply®). A patch is required at all lap areas where 3 or more layers of membrane intersect (T-Lap) as illustrated above. If 1 of the 3 layers is 40-mil, a patch is not required.
- Note 2: Install fasteners so edge of plate is flush with edge of membrane.
- Note 3: End of roll fastening should be same as lap fastening as per perspective zone (field, perimeter, corner).
- Note 4: Position next roll so that it overlaps end of installed roll a minimum of 6 inches. Duro-Last EV, Duro-Tuff® and Duro-Fleece® are all premarked with lap lines set 6 inches from edge of membrane.
- Note 5: Install patches at T-Laps per Detail Drawing RG1066.

END LAP FASTENING



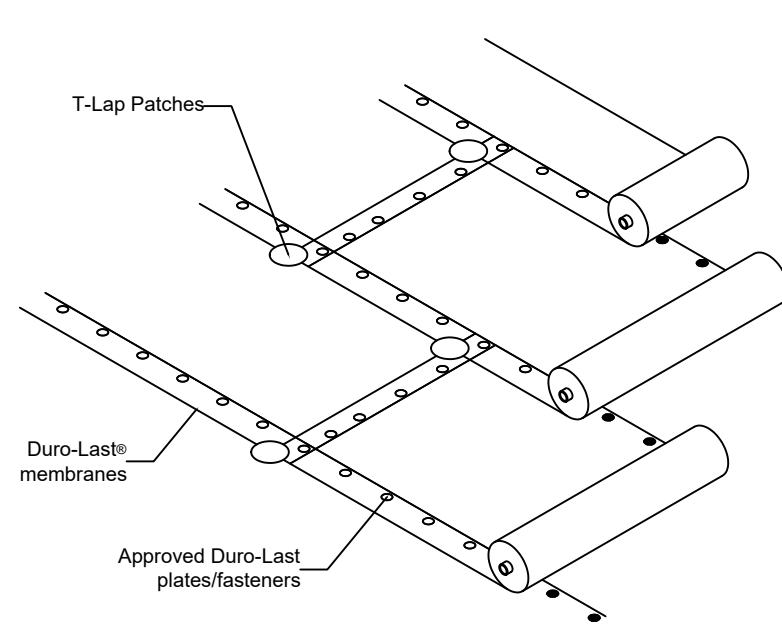
- Note 1: Cleat Plates must be used for Duro-Roof® roof tabs.
- Note 2: Cleat Plates and approved Duro-Last fasteners must be centered along 6-inch wide fastening tabs.
- Note 3: Refer to *Duro-Roof Roofing System* specification for fastening requirements.
- Note 4: The Duro-Roof Roofing System must utilize 6-inch fastening tabs.

ADHESIVE FASTENING



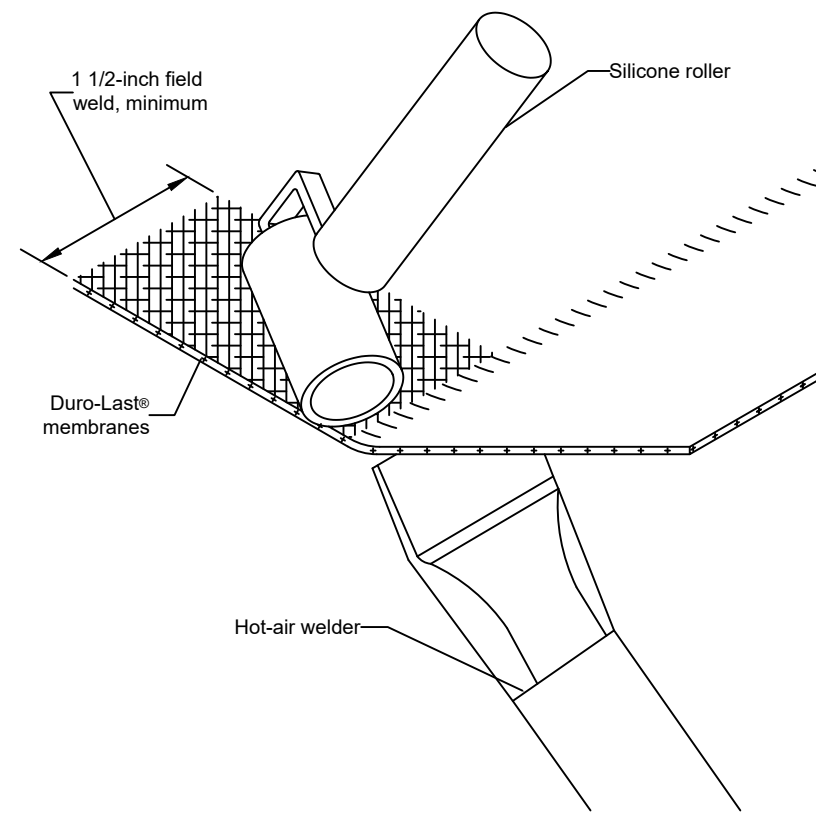
Note: If distance from last tab to top of parapet wall is 28 inches or less, additional membrane may be added to cover top of wall without adding more tabs.

PARAPET FLASHING



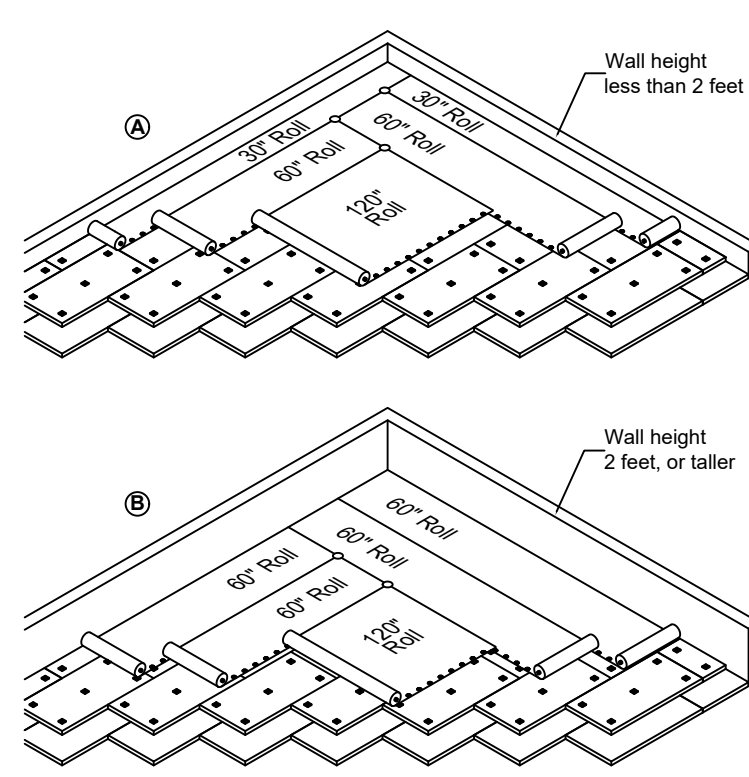
- Note 1: This detail applies to all 50 mil or greater roll good membrane installations (excluding Shingle-Ply®). A patch is required at all lap areas where 3 or more layers of membrane intersect (T-Lap) as illustrated above. If 1 of the 3 layers is 40-mil, a patch is not required.
- Note 2: Patches can be made of either DT or DL membrane of any thickness. DL EV patches shall only be used on DL EV membranes.
- Note 3: Minimum patch size is 4x4 inches if rectangular and 4 inches in diameter if circular.
- Note 4: All field welds shall be a minimum of 1-1/2 inches wide.
- Note 5: Refer to RG1064 for fastener placement and sheet overlap.

T-LAP PATCHES



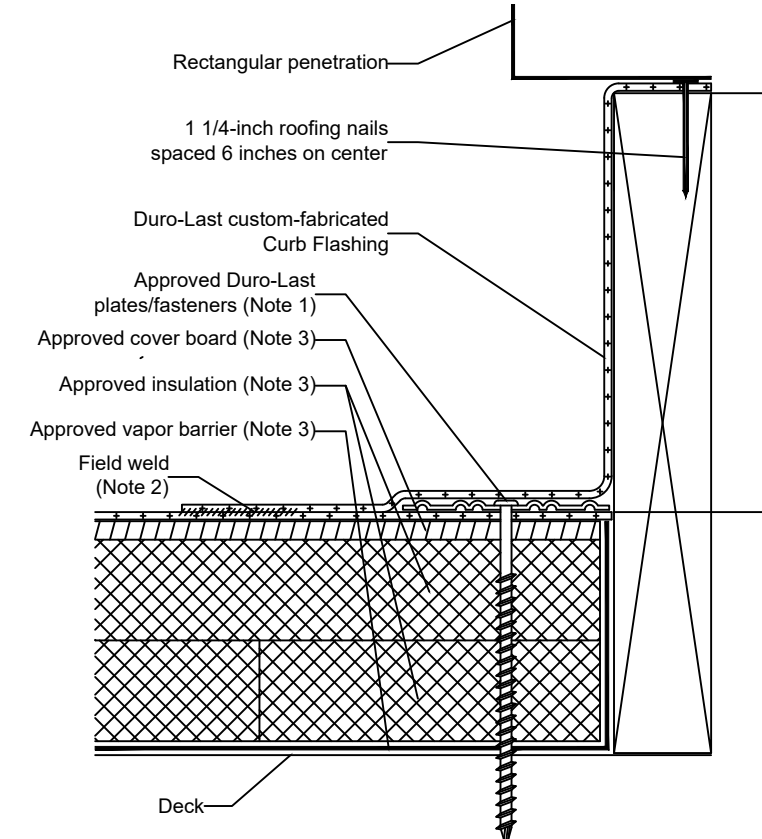
- Note: After any field seam is completed, it must be probed to ensure that a secure weld has been made.

FIELD SEAMING



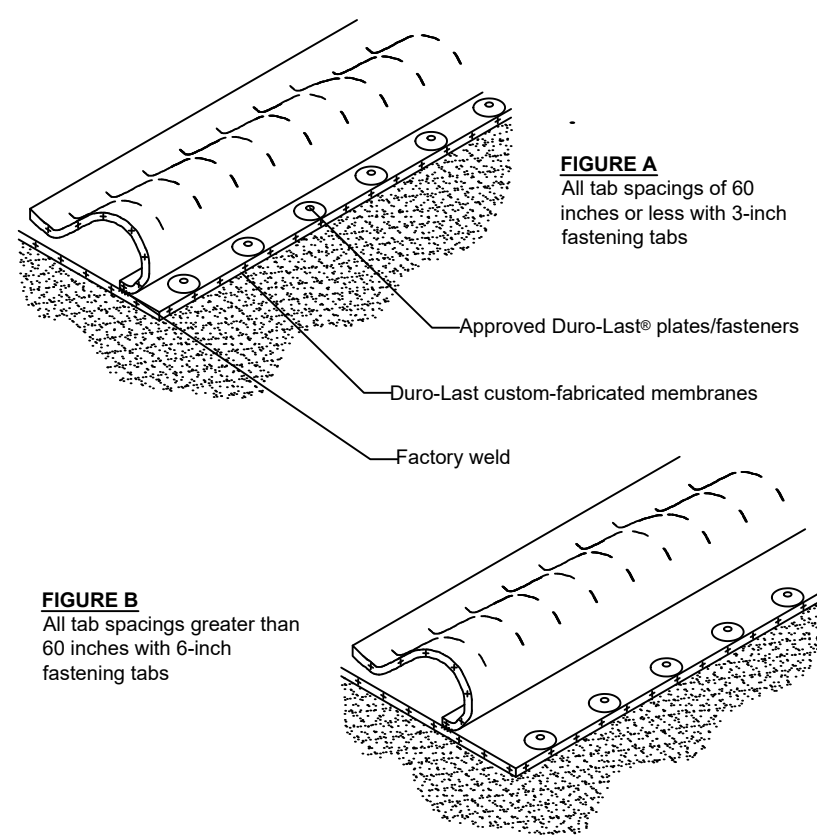
- Note 1: Contact the Duro-Last® Engineering Services Department for assistance in determining the fastening requirements if: the building is 40 feet tall, or taller; or the building is located in an area with an ASCE 7-05 design wind speed of 110 mph, or higher (150 mph, or higher, for ASCE 7-10); or fastener pullout resistance is less than 150 lb.
- Note 2: Refer to RG1062 and RG1064 for fastener placement and sheet overlap.
- Note 3: 120-inch fastener row spacing is not acceptable within 7 feet of any perimeter edge.**

PERIMETER FASTENING



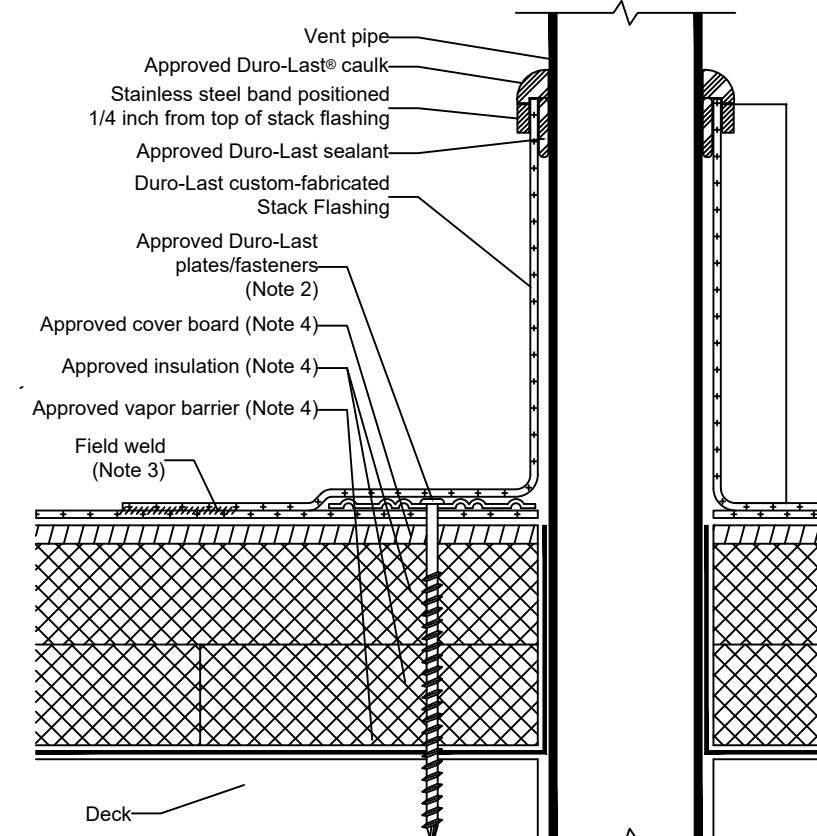
- Note 1: Deck membrane shall be fastened around perimeter of roof penetration as per perspective zone the roof access hatch is located within (field, perimeter, corner).
- Note 2: All field welds shall be a minimum of 1-1/2 inches wide.
- Note 3: Refer to specifications for vapor barrier, insulation and cover board requirements.

RECTANGULAR PENETRATION



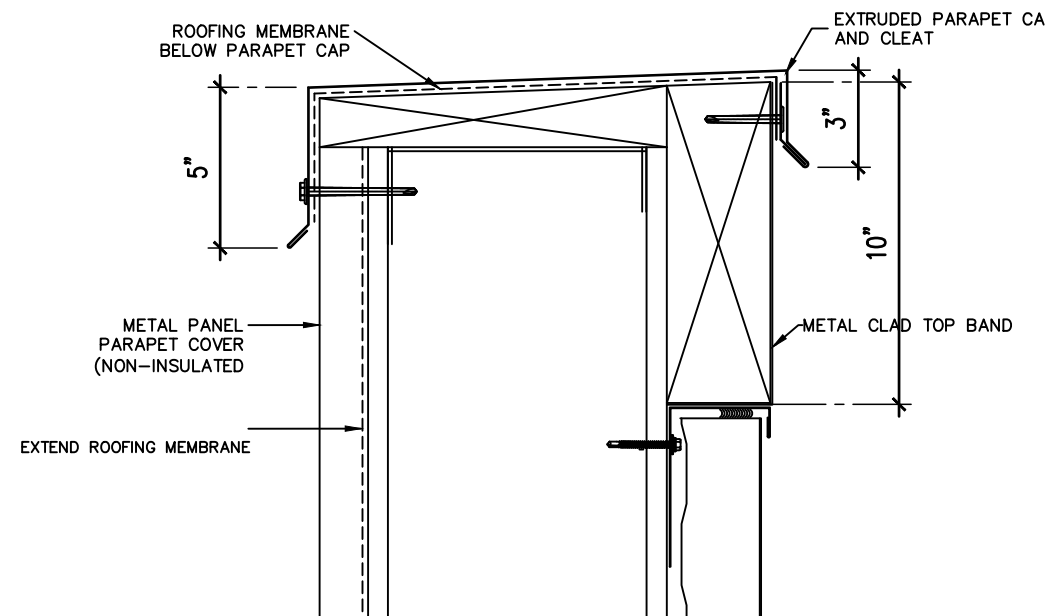
- Note: On mechanically fastened systems, the fastening plates must be installed with the edge of the plate on the outside edge of the fastening tab, as illustrated above.

MEMBRANE PLATE POSITIONING



- Note 1: Lead flashings must be removed prior to installing Duro-Last Stack Flashings.
- Note 2: Deck membrane shall be fastened around the perimeter of the Duro-Last Stack Flashing as per the perspective zone the Duro-Last Stack Flashing is located within (field, perimeter, corner), no less than one fastener per flashing.
- Note 3: All field welds shall be a minimum of 1-1/2 inches wide.
- Note 4: Refer to specifications for vapor barrier, insulation and cover board requirements.

ROUND PENETRATION



- Note 1: All coping cap joints must utilize a 6-inch concealed splice plate.
- Note 2: Refer to Detail Drawing 6053 for splice plate installation instructions.
- Note 3: All fasteners must penetrate into nailer by a minimum of 1-1/2 inches.
- Note 4: Fasten other manufacturers' products per manufacturer's specifications.
- Note 5: Wood nailers must withstand a minimum force of 180 pounds per lineal foot (per building code). Any pull values greater than 270 pounds will allow for a fastener spacing of 18 inches on center. Pull values less than 270 pounds will require additional fasteners. **The installing contractor is responsible for meeting building codes.**

PARAPET COPING

THESE DETAILS REPRODUCED FROM DURO-LAST STANDARD DETAIL FILES. MECHANICALLY ATTACHED WHERE ABOVE STEEL ROOF DECK. FULLY ADHERED WHERE ABOVE CONCRETE ROOF STRUCTURE. PVC SINGLE-PLY 60 MIL MEMBRANE, WHITE.

ROOF DETAILS not to scale

scale is accurate on 24"x36" sheets only

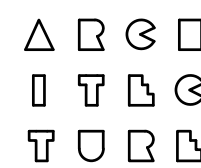
REVISIONS	BY

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Shelby County
EMA - IT FACILITY
260 - McDow Road
Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

DRAWING DATE	10-27-2025
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ROOF DETAILS

SHEET NO.

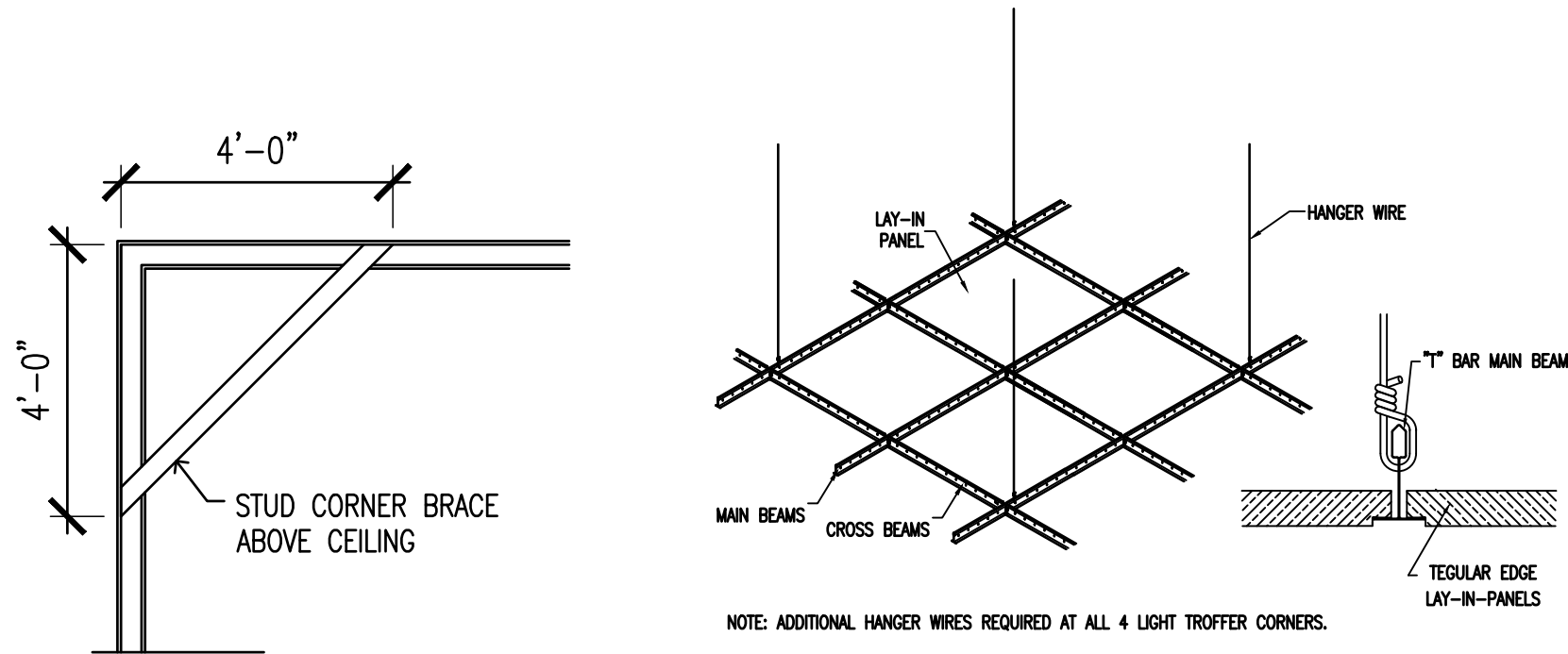
A14

19 OF 251A1 SHEETS

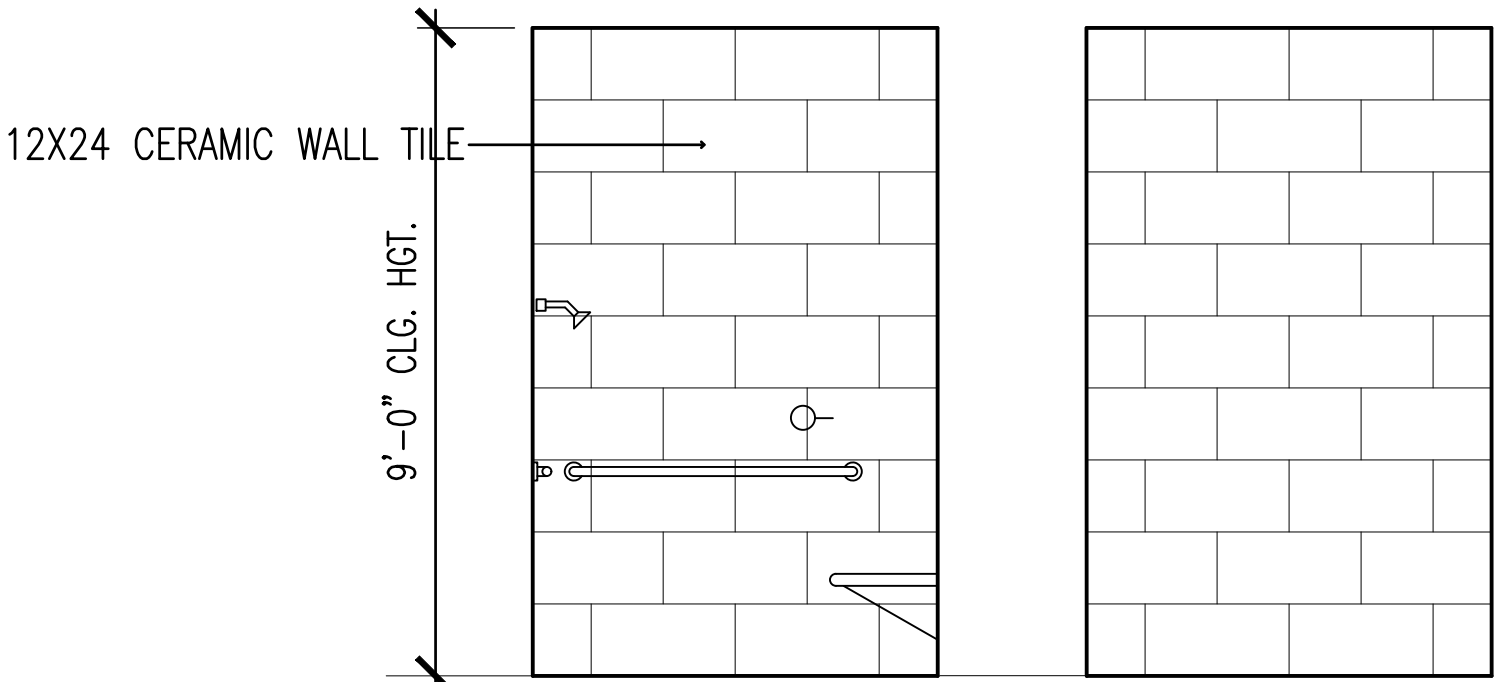
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GYPSUM BOARD LEVEL 4 FINISH					CERAMIC TILE THINSET				
ROOM	FLOOR	WALL BASE	WALLS	WAINSCOT	CORNER GDS	CEILING	*CLG. HGT.*	DOORS	DOOR FRAME
101 VESTIBULE	LUXURY VINYL	RUBBER	VINYL WALL FABRIC			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
102 OFFICE 1	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
103 OFFICE 2	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
104 OFFICE 3	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
105 OFFICE 4	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
106 OFFICE 5	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
107 OFFICE 6	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
108 OFFICE 7	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
109 OFFICE 8	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
110 OFFICE 9	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
111 OFFICE 10	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
112 OFFICE 11	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
113 OFFICE 12	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
114 CONFERENCE ROOM	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
115 COPIER ROOM	CARPET TILE	RUBBER			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
116 MENS REST ROOM	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE		2X2 ATC	9'-0"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
117 LADIES REST ROOM	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE		2X2 ATC	9'-0"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
118 BREAK ROOM	LUXURY VINYL	RUBBER	PAINTED GYP. BD.		2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
119 UTILITY ROOM	LUXURY VINYL	RUBBER	PAINTED GYP. BD.		2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
120 WORK CARRELS ROOM	CARPET TILE	RUBBER	PAINTED GYP. BD.		2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
121 CORRIDOR	LUXURY VINYL	RUBBER	PAINTED GYP. BD.		X	2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
122 – 149 (RESERVED)									

INTERIOR FINISH SCHEDULE – ICC 500 SECTION									
GYPSUM BOARD LEVEL 4 FINISH					CERAMIC TILE THINSET				
ROOM	FLOOR	WALL BASE	WALLS	WAINSCOT	CORNER GDS	CEILING	*CLG. HGT.*	DOORS	DOOR FRAME
150 OPERATIONS ROOM	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	12'-0"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
151 RADIO ROOM	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
152 RADIO ROOM STORAGE	LUXURY VINYL	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
153 TRAINING ROOM	LUXURY VINYL	RUBBER	PAINTED GYP. BD.			2X2 ATC	10'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
154 CONFERENCE ROOM	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
155 CLOSET	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
156 MENS REST ROOM	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE		2X2 ATC	9'-0"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
157 UNISEX REST ROOM	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE		2X2 ATC	9'-0"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
158 LADIES REST ROOM	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE		2X2 ATC	9'-0"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
159 UTILITY / STORAGE	LUXURY VINYL	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
160 SERVER ROOM (1 HOUR F.R.)	SEALED CONC.	RUBBER	PAINTED GYP. BD.			NO CLG.	NO CLG.	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL
161 IT WORKROOM	CARPET	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
162 IT STORAGE	LUXURY VINYL	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
163 ELECTRICAL ROOM (2 HOUR F.R.)	SEALED CONC.	RUBBER	PAINTED GYP. BD.			NO CLG.	NO CLG.	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL
164 MECHANICAL ROOM (1 HOUR F.R.)	SEALED CONC.	RUBBER	PAINTED GYP. BD.			NO CLG.	NO CLG.	STAINED AND SEALED	SEMI-GLOSS ENAMEL
165 CORRIDOR	LUXURY VINYL	RUBBER	PAINTED GYP. BD.		X	2X2 ATC	9'-6"	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL
166 CORRIDOR	LUXURY VINYL	RUBBER	PAINTED GYP. BD.		X	2X2 ATC	9'-6"	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL
167 MECH / BOILER ROOM (1 HOUR F.R.)	SEALED CONC.	RUBBER	PAINTED GYP. BD.			NO CLG.	NO CLG.	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL

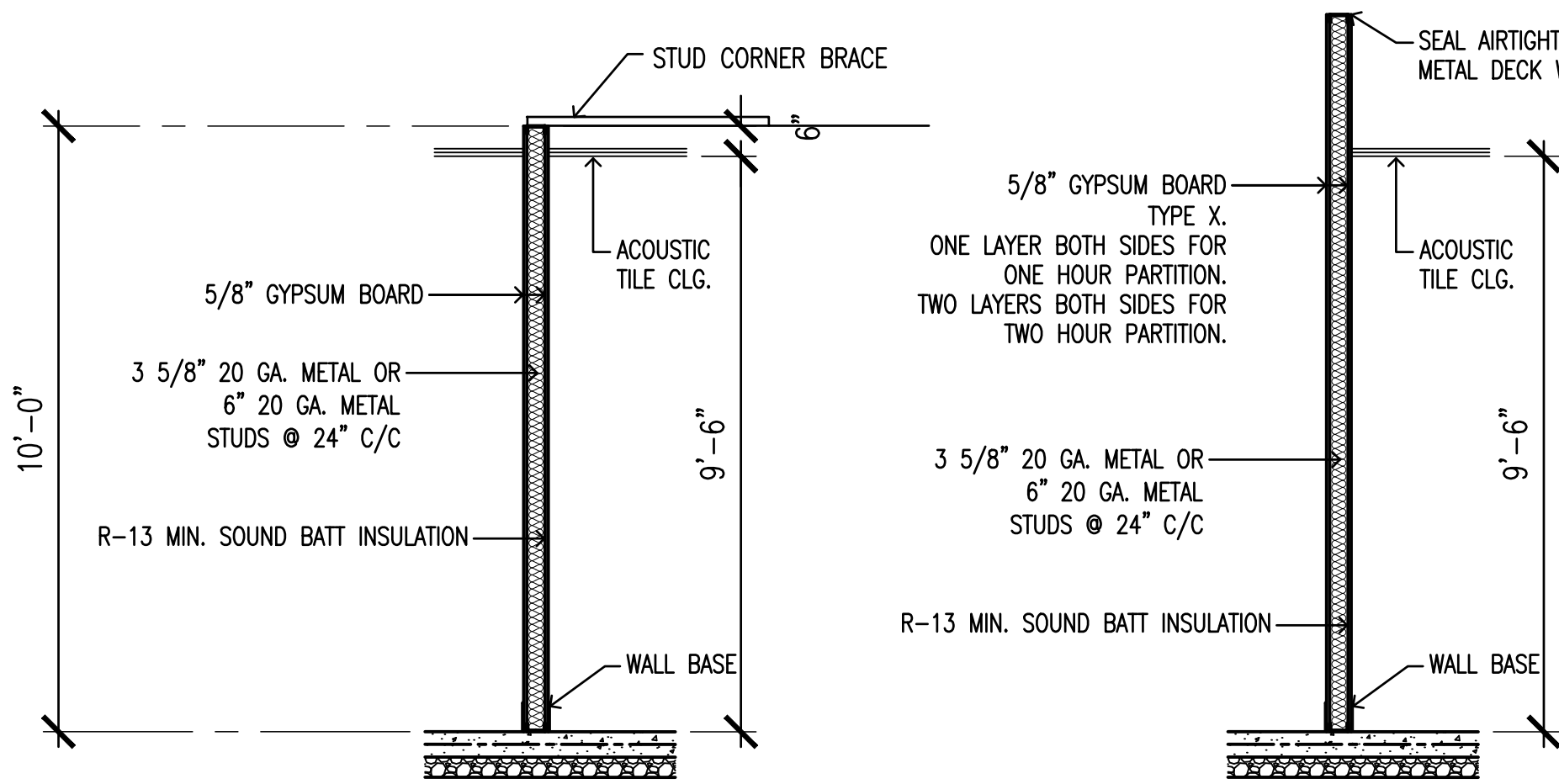
INTERIOR FINISH SCHEDULE – EMA SECTION									
GYPSUM BOARD LEVEL 4 FINISH					CERAMIC TILE THINSET				
ROOM	FLOOR	WALL BASE	WALLS	WAINSCOT	CORNER GDS	CEILING	*CLG. HGT.*	DOORS	DOOR FRAME
125 VESTIBULE	LUXURY VINYL	RUBBER	VINYL WALL FABRIC			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
126 OFFICE 13	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
127 OFFICE 14	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
128 OFFICE 15	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
129 OFFICE 16	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
130 OFFICE 17	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
131 OFFICE 18	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
132 OFFICE 19	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
133 OFFICE 20	CARPET TILE	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
134 STORAGE ROOM	LUXURY VINYL	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
135 BREAK ROOM	LUXURY VINYL	RUBBER	PAINTED GYP. BD.			2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
136 MENS REST ROOM	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE		2X2 ATC	9'-0"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
137 LADIES REST ROOM	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE		2X2 ATC	9'-0"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
138 SHOWER	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE		ENAMEL PAINT M.R. GYP. BD.	9'-0"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
140 UTILITY ROOM	LUXURY VINYL	RUBBER	PAINTED GYP. BD.		2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
141 RECORDS STORAGE	LUXURY VINYL	RUBBER	PAINTED GYP. BD.		2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL	
142 TOOLS/ ROLL OUT (1 HOUR F.R.)	SEALED CONC.	RUBBER	PAINTED GYP. BD.		NO CLG.	NO CLG.	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL	
143 CORRIDOR	LUXURY VINYL	RUBBER	PAINTED GYP. BD.		X	2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
144 CORRIDOR	LUXURY VINYL	RUBBER	PAINTED GYP. BD.		X	2X2 ATC	9'-6"	STAINED AND SEALED	SEMI-GLOSS ENAMEL
145-149 (RESERVED)									



ACOUSTIC CEILING DETAILS
scale: 3/8" = 1'-0"

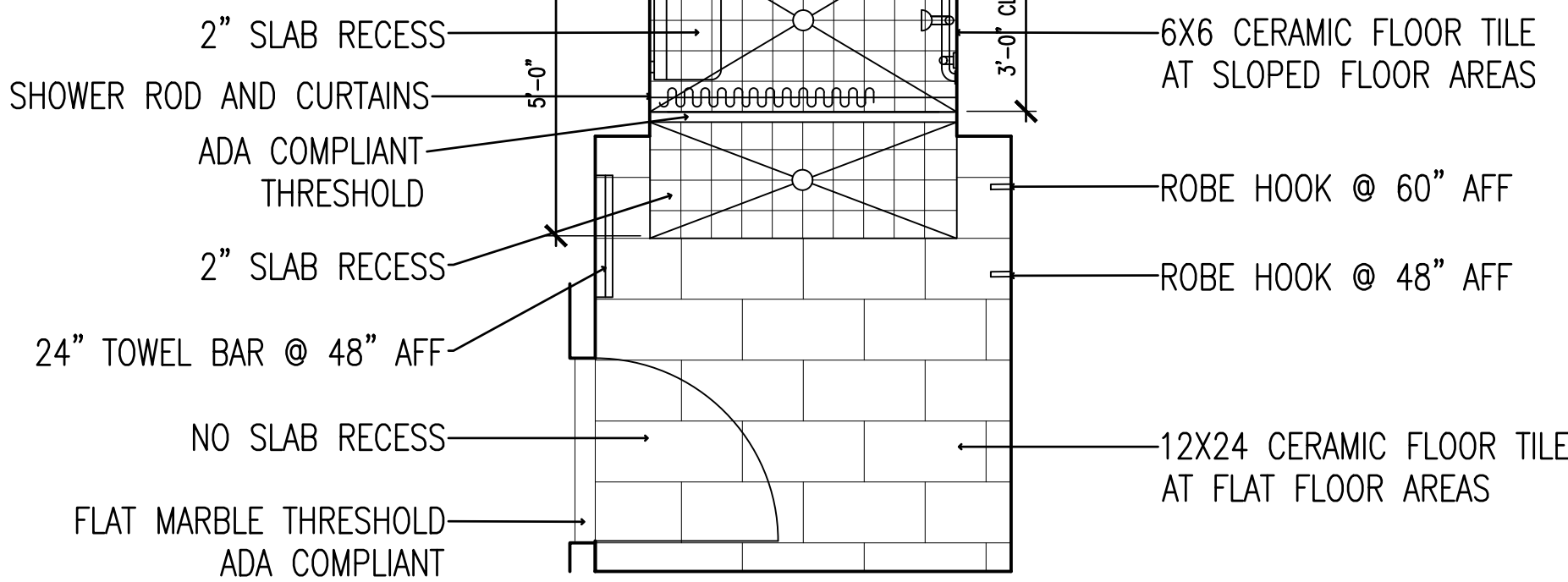


CERAMIC WALL TILE PATTERN (SHOWN AT SHOWER)
CERAMIC WALL TILE PATTERN (SHOWN AT REST ROOM)



TYPICAL INTERIOR PARTITION
TYPICAL INTERIOR FIRE RATED PARTITION

INTERIOR PARTITION DETAILS
scale: 3/8" = 1'-0"



CERAMIC FLOOR TILE PATTERN (SHOWN AT SHOWER)

138
SHOWER

CERAMIC TILE DETAILS
scale: 3/8" = 1'-0"

INTERIOR FINISHES: NO SUBSTITUTIONS

RUBBER BASE : 4" COVE JOHNSONIITE #63 "BURNT UMBER B"

CARPET TILES: INTERFACE STYLE: EARTH COLOR: PLATEAU

LUXURY VINYL TILE: MOHAWK GROUP – HOT & HEAVY – LINEATE – COLOR TO BE SELECTED

ACOUSTICAL TILE: 2X2 SQUARE TEGULAR-EDGE ACOUSTIC CEILING TILE
USG 86785 – WHITE

ACOUSTICAL GRID: DONN DXL 15/16" EZCS SYSTEM – WHITE

WALL PAINT: SW 7029 "AGREEABLE GRAY" EGG SHELL LATEX

VINYL WALL FABRIC: MDC MODERN INDUSTRY GUNMETAL 3063 MI / 4131

DOORS AND FRAMES: SW 7020 "BLACK FOX" SEMI-GLOSS

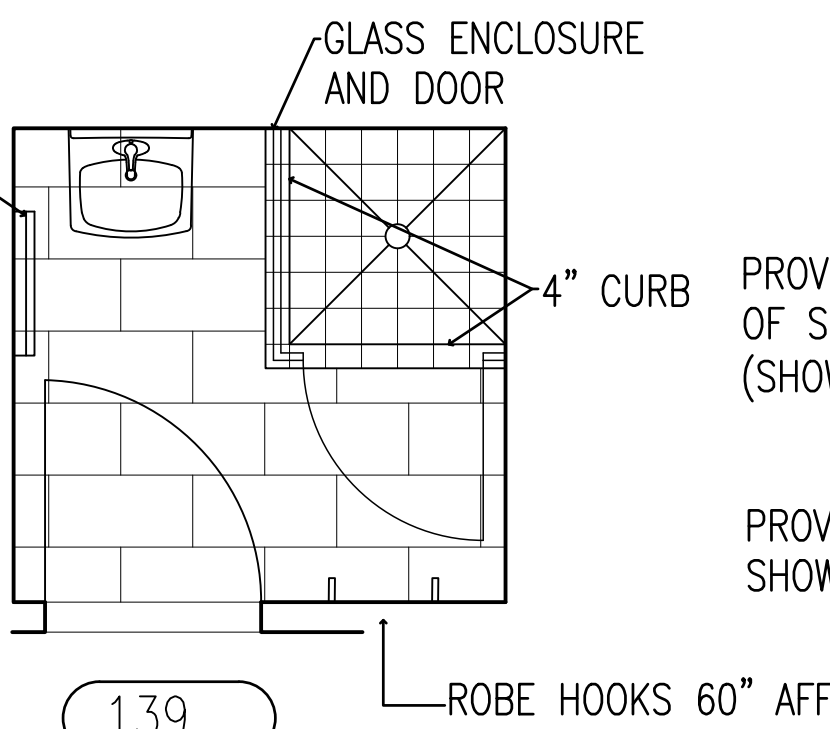
CORNER GUARDS: IPC 150 3" X 8" "PEPPERDUST" 0119. INSTALL AT CORRIDOR OUTSIDE CORNERS.

CERAMIC WALL AND FLOOR TILE: 12" X 24" DAL TILE "VOLUME 1.0". COLOR TO BE SELECTED.
6" X 6" AT SLOPED SHOWER FLOORS

CERAMIC TILE GROUT: MAPEI, 1/4" WIDE GROUT JOINT, COLOR TO BE SELECTED.

SEAL CERAMIC TILE AND GROUT: MIRACLE SEALANTS 511, SOLVENT BASED.

CLEAR SEALED CONCRETE SLAB: ASHFORD FORMULA DENSIFIER-SEALER



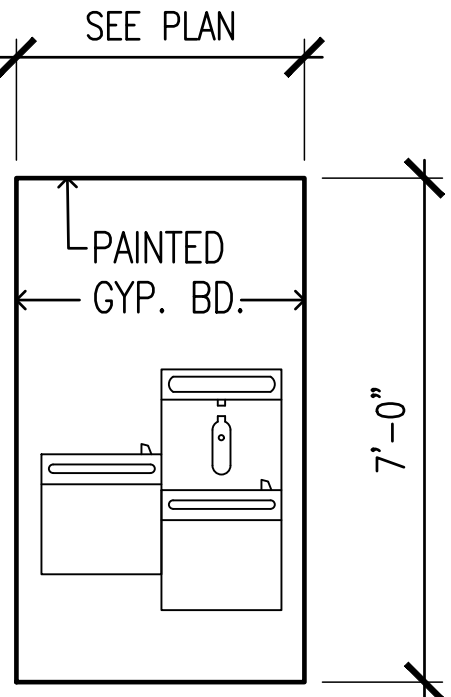
139
SHOWER

PROVIDE COMPLETE SYSTEM OF SCHLUTER-KERDI PRODUCTS (SHOWER KIT) AT ALL SLOPED FLOORS OVER 2" SLAB RECESS.

PROVIDE SLOPED PREFABRICATED SHOWER PAN TO CENTER DRAIN.

PROVIDE COMPLETE SYSTEM OF SCHLUTER-KERDI PRODUCTS (SHOWER KIT)

PROVIDE SLOPED PREFABRICATED SHOWER PAN TO CENTER DRAIN.



DRINKING FOUNTAIN ALCOVE

scale is accurate on 24"x36" sheets only

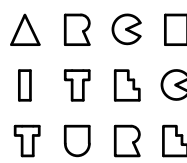
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EMA - IT FACILITY
260 - McDow Road
Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

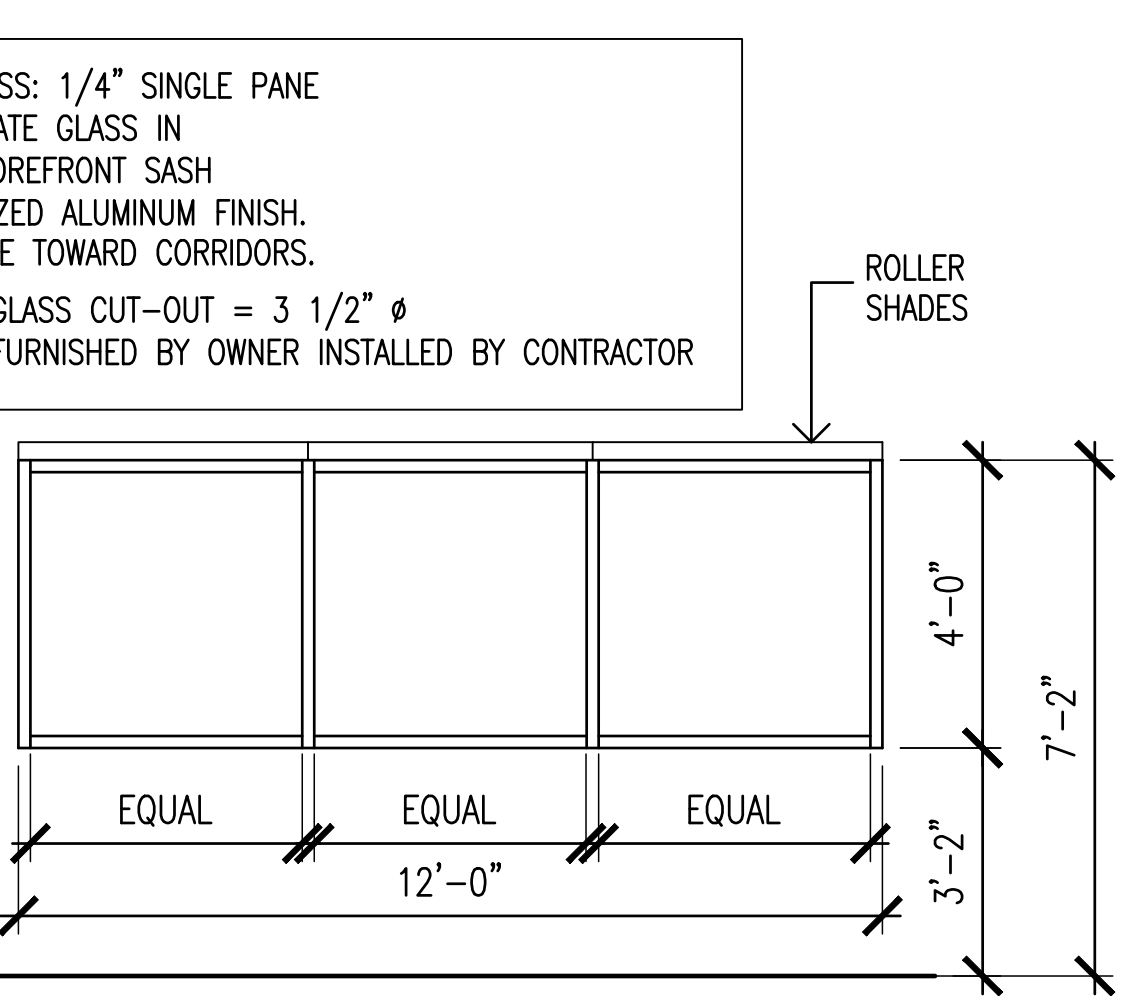
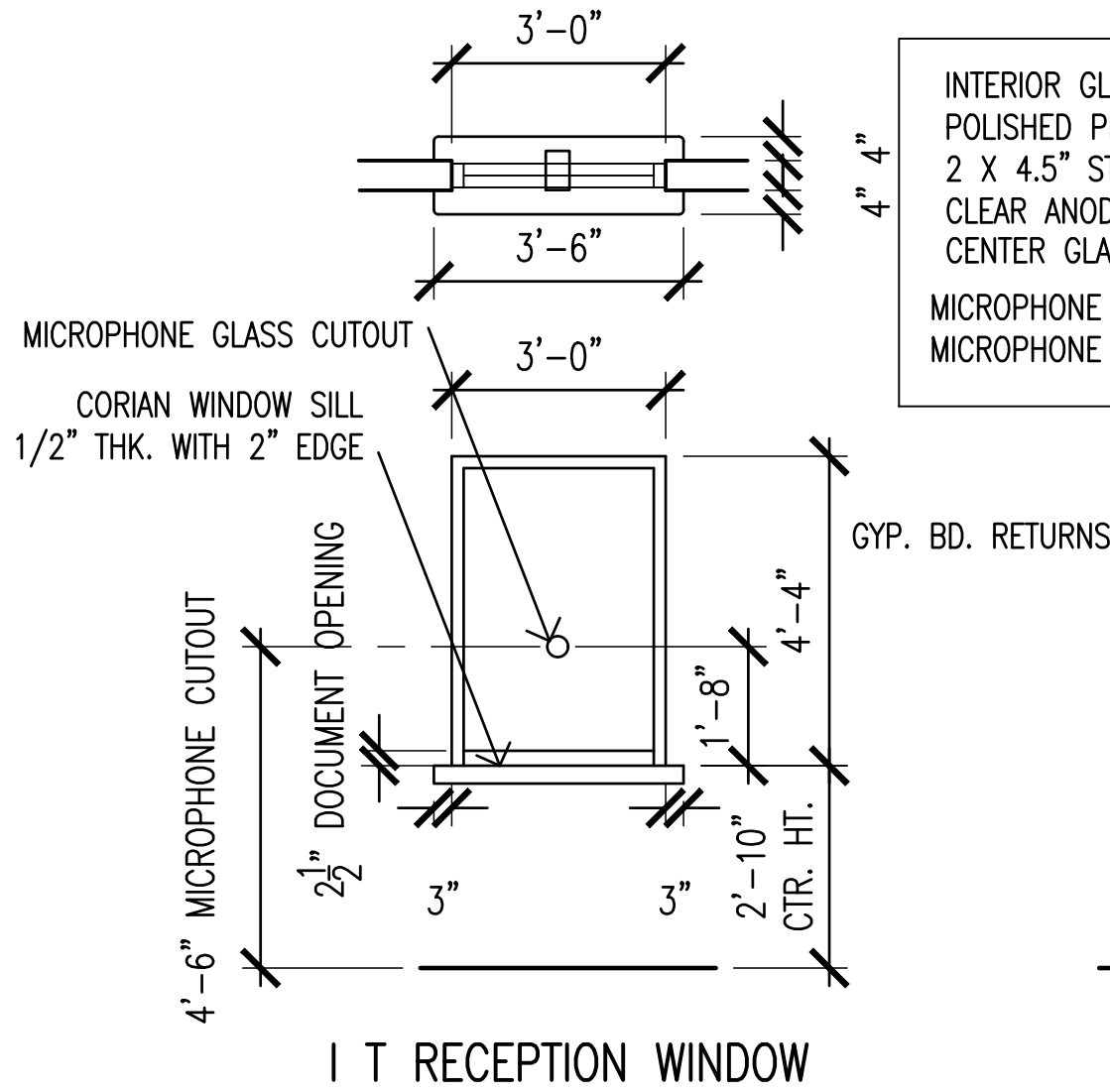
DRAWING DATE	10-27-2025
DRAWN BY	SJC
PROJECT NO.	250407

FINISH SCHEDULES
MISC. DETAILS

SHEET NO.
A15
20 OF 25(A) SHEETS

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DOOR SCHEDULE													DOOR HARDWARE SCHEDULE																
DOORS SCHEDULED BY TYPE. VERIFY QUANTITIES.													VERIFY KEYING MATRIX WITH OWNER																
HOLLOW METAL DOORS – 18 GA. STEEL													INTERIOR DOOR HARDWARE FINISH: US 26D SATIN CHROME																
DOOR NUM	ROOM TYPE	ELEVATION	EXPOSURE	WIDTH	HEIGHT	THK.	MATERIAL	TYPE	FRAME	GLASS	FIRE RATING	REMARKS	DOOR NUM	ROOM TYPE	HINGES	EXIT LOCKSET	LOCKSET	PASSAGE LATCH	PRIVACY LATCH	PUSH/PULL	CLOSER	STOP	GLASS	KICKPLATES	WEATHERSTRIP	THRESHOLD	ACCESS CONTROL	REMARKS	
1	FRONT ENTRIES AT VESTIBULES	1	EXTERIOR	3'-0"	7'-0"	1 3/4"	ALUM. & GLASS	STOREFRONT	STOREFRONT	YES	NO	WIDE STILE HEAVY DUTY	1	FRONT ENTRIES AT VESTIBULES	CONTINUOUS	RIM DEVICE					X	X	X		X	X	ELECTRIC STRIKE		
2	EXIT / SERVICE	2	EXTERIOR	PAIR 3'-6"	8'-0"	1 3/4"	GALVANNEALD HOLLOW METAL	FLUSH PANEL	GALVANNEALD HOLLOW METAL	NO	NO		2	EXIT / SERVICE	8	RIM DEVICE (1)					2	X			X	X	ELECTRIC STRIKE	HEAD & FOOT BOLTS INACTIVE LEAF DUMMY TRIM	
3	EXIT AT CORRIDOR	3	EXTERIOR	3'-6"	7'-0"	1 3/4"	REINF. STEEL	FLUSH PANEL	STEEL	NO	NO	ICC 500 COMPLIANT	3	EXIT AT CORRIDOR	4	RIM DEVICE					X	X			X	X	ELECTRIC STRIKE	ICC 500 COMPLIANT SEE DOOR ELEVATION	
4	OPERATIONS ROOM & CORRIDOR	4	INTERIOR	3'-0"	7'-0"	1 3/4"	REINF. STEEL	FLUSH PANEL	STEEL	NO	NO	ICC 500 COMPLIANT	4	OPERATIONS ROOM & CORRIDOR	4	RIM DEVICE					X	X					ELECTRIC STRIKE	ICC 500 COMPLIANT SEE DOOR ELEVATION	
5	OFFICES	5	INTERIOR	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	NO	NO		5	OFFICES	3		X					X		1					
6	CONFERENCE ROOMS	6	INTERIOR	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	NO	NO		6	CONFERENCE ROOMS	3		X					X		1					
7	BREAK ROOMS	7	INTERIOR	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	YES	NO		7	BREAK ROOMS	3			X			X	X	X	1					
8	REST ROOMS	8	INTERIOR	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	NO	NO		8	REST ROOMS	3				X				X		1				
9	UTILITY ROOMS	9	INTERIOR	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	NO	NO		9	UTILITY ROOMS	3		X					X		1	X				
10	STORAGE ROOMS	10	INTERIOR	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	NO	NO		10	STORAGE ROOMS	3		X					X		1					
11	OPERATIONS ROOM	11	INTERIOR	PAIR 3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	YES	NO		11	OPERATIONS ROOM	6					X	2		X	4			MAGNETIC LOCK		
12	TRAINING ROOM	12	INTERIOR	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	YES	NO		12	TRAINING ROOM	3		X				X	X	X	2					
13	SERVER ROOM	13	INTERIOR	PAIR 3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	K.O. HOLLOW MTL	NO	45 MIN.		13	SERVER ROOM	6		X				2	X			X	X	ELECTRIC STRIKE	HEAD & FOOT BOLTS INACTIVE LEAF DUMMY TRIM. 45 MIN. FIRE RATING	
14	MECHANICAL & ELECTRICAL ROOMS	14	INTERIOR	3'-6"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	K.O. HOLLOW MTL	NO	45 MIN. RATED AT MECH ROOM 90 MIN. RATED AT ELEC ROOM		14	MECHANICAL & ELECTRICAL ROOMS	3		X					X			X	X		45 MIN. RATED AT MECH ROOMS 90 MIN. RATED AT ELEC ROOM	
15	CORRIDORS	15	INTERIOR	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	YES	NO		15	CORRIDORS	3		X				X	X	X	2	X		ELECTRIC STRIKE		
16	CORRIDOR	16	INTERIOR	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	K.O. HOLLOW MTL	NO	45 MIN.		16	CORRIDOR	3	RIM DEVICE						X	X		2	X		ELECTRIC STRIKE	45 MIN. DOOR
17	I T WORKROOM	17	INTERIOR	3'-0"	7'-0"	1 3/4"	SOLID CORE WOOD VENEER	FLUSH PANEL	K.O. HOLLOW MTL	NO	NO		17	I T WORKROOM	3		X					X	X		1	X		ELECTRIC STRIKE	



CONFERENCE ROOM LITES 3 PANELS -12'-0"
RADIO ROOM LITES 2 PANELS - 8'-0"

TYPICAL INTERIOR WINDOW ELEVATIONS
scale: 3/8" = 1'-0"

EXIT LOCK: OPENING DOOR FROM INSIDE IS LIMITED TO A SINGLE ACTION OF TURNING LEVER. DEADBOLT AUTOMATICALLY RETRACTED WITH LATCHBOLT. CRASH BAR IS AN OPTIONAL EXIT DEVICE.

LOCKSET: THUMBTURN INSIDE LOCKS DOOR FROM OUTSIDE. OUTSIDE KEY RETRACTS LOCKBOLT. POSITION OF THUMBTURN DETERMINES OUTSIDE KNOB REMAINING LOCKED OR UNLOCKED.

ALL FUNCTIONS ALWAYS UNLOCKED FROM INSIDE. ALL OPERATING DEVICES TO BE ADA/ANSI APPROVED LEVER HANDLES UNLESS SPECIFICALLY REQUESTED BY OWNER ON NON-ADA/ANSI SPACES.

ALL OPERATING DEVICES TO BE ADA/ANSI APPROVED LEVER HANDLES.

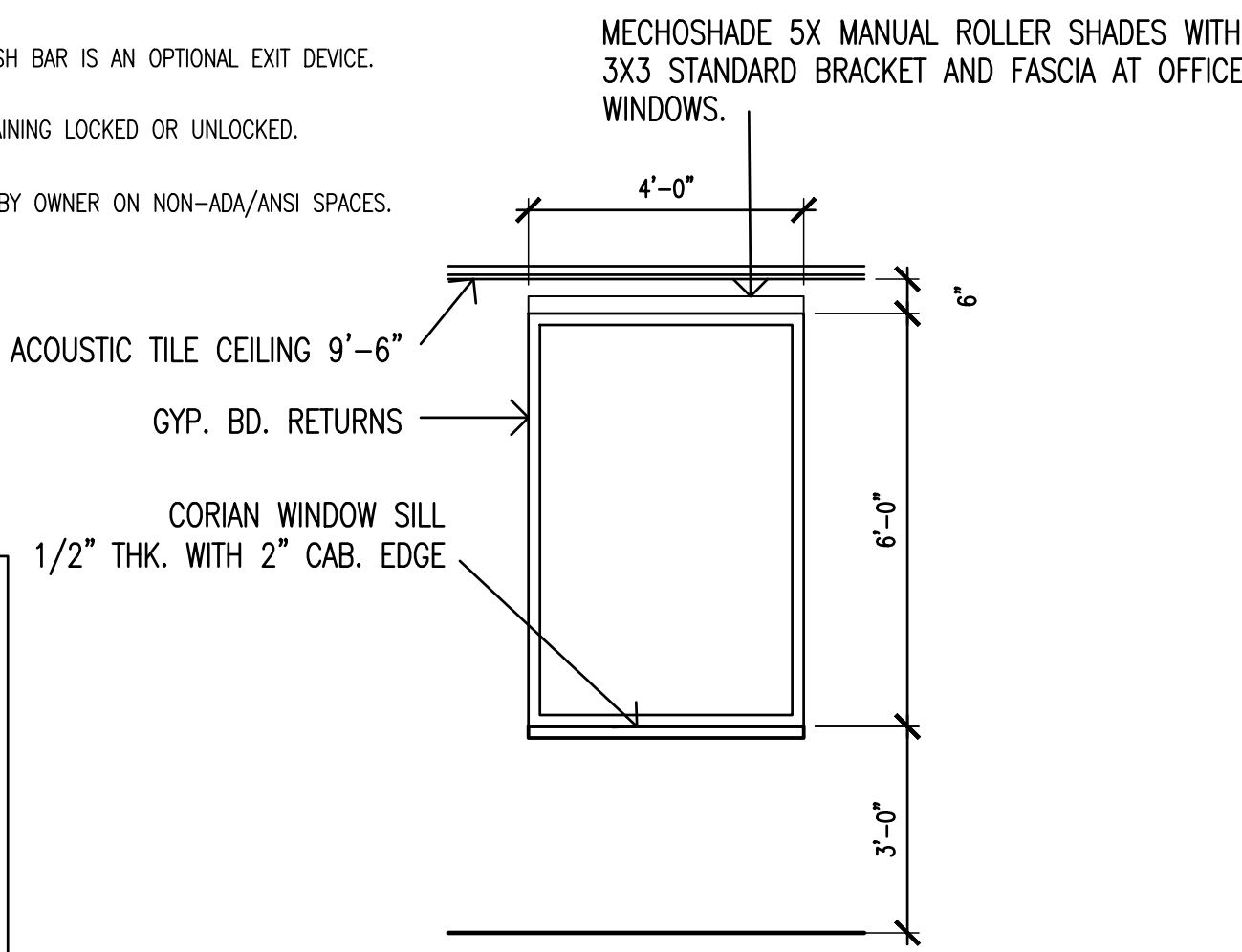
METAL KICKPLATE ON CORRIDOR SIDE ONLY (1) EXCEPT WHERE NOTED (2) OR (4). MATCH LOCKSET FINISH.

ALL HARDWARE FINISHES TO BE US 26D BRUSHED CHROME.

ANSI GRADE 1 CYLINDRICAL LEVER LOCKS AND DEADBOLTS.

LOCKSET HARDWARE ON DOORS SHALL BE FURNISHED AND INSTALLED WITHOUT KEY CYLINDER CORES. LOCKSETS SHALL BE DESIGNED FOR AND CAPABLE OF ACCEPTING LARGE FORMT KEY CYLINDER CORES. KEY CYLINDERS "SCHLAGE PRIMUS" FURNISHED AND INSTALLED BY OWNER.

ELECTRIC STRIKES: h.e.s / ASSA ABLOY 1006 LB
DOOR FRAME JAMBS SHOWN FOR ELECTRIC STRIKE TO COME PRE-PREPARED BY SUPPLIER, NOT FIELD CUT. FACE CUTOUT 1 1/4" X 4 7/8" AND SIDE CUTOUT 1 11/16" X 3 3/8". FACE PLATE FOR SPECIFIED LOCKSET. DUST BOX WITH CONDUIT CONNECTIONS WELDED TO FRAME.



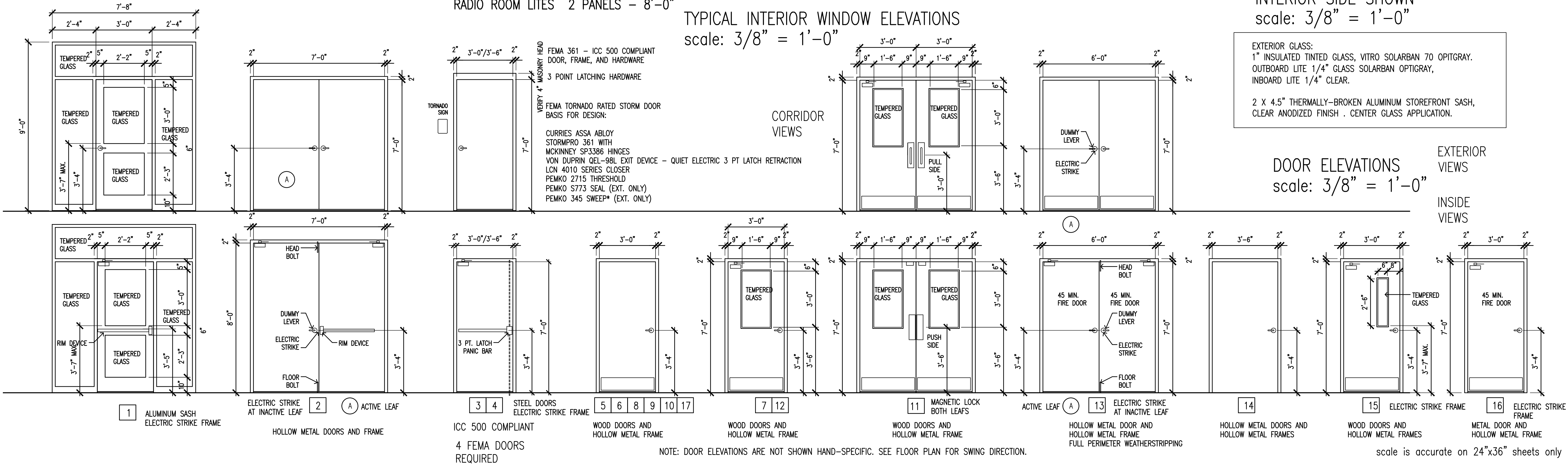
TYPICAL EXTERIOR WINDOW ELEVATION
INTERIOR SIDE SHOWN
scale: 3/8" = 1'-0"

EXTERIOR GLASS:
1" INSULATED TINTED GLASS, VITRO SOLARBAN 70 OPITGRAY.
OUTBOARD LITE 1/4" GLASS SOLARBAN OPTIGRAY,
INBOARD LITE 1/4" CLEAR.

2 X 4.5" THERMALLY-BROKEN ALUMINUM STOREFRONT SASH,
CLEAR ANODIZED FINISH . CENTER GLASS APPLICATION.

DOOR ELEVATIONS
scale: 3/8" = 1'-0"

EXTERIOR VIEWS
INSIDE VIEWS



NOTE: DOOR ELEVATIONS ARE NOT SHOWN HAND-SPECIFIC. SEE FLOOR PLAN FOR SWING DIRECTION.

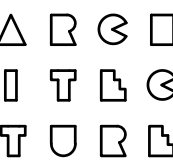
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EMA - IT FACILITY
260 - McDow Road
Shelby County, Alabama 35051



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

DRAWING DATE	10-27-2025
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PROJECT NO.	250407

DOOR & WINDOW
SCHEDULES

SHEET NO.	A16
21	OF 25(A) SHEETS

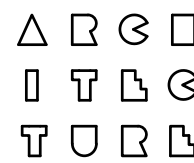
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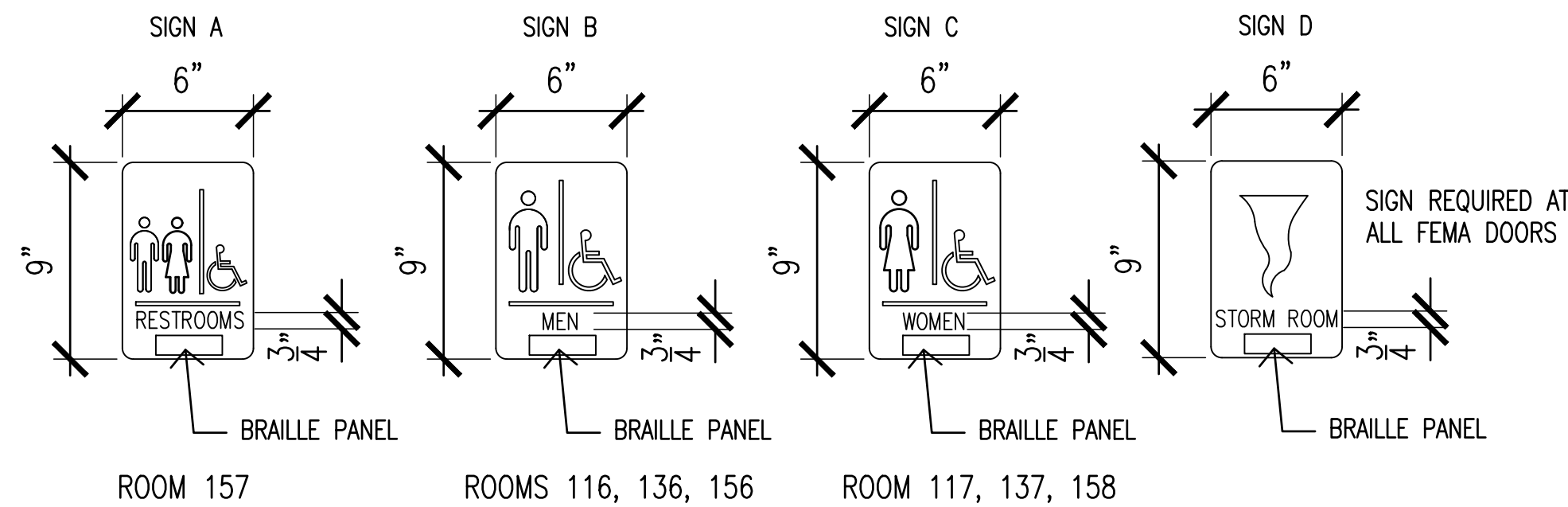
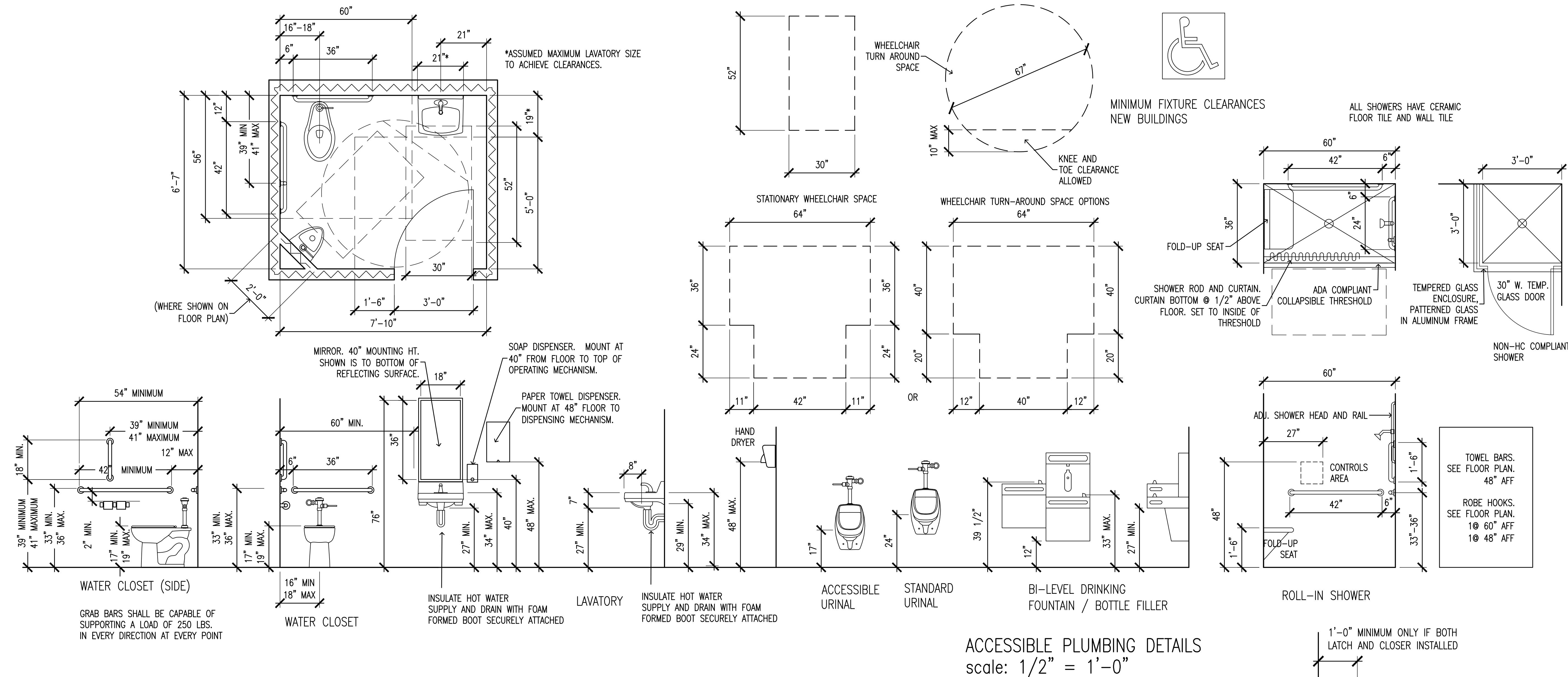
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ACCESSIBILITY DETAILS

SHEET NO.

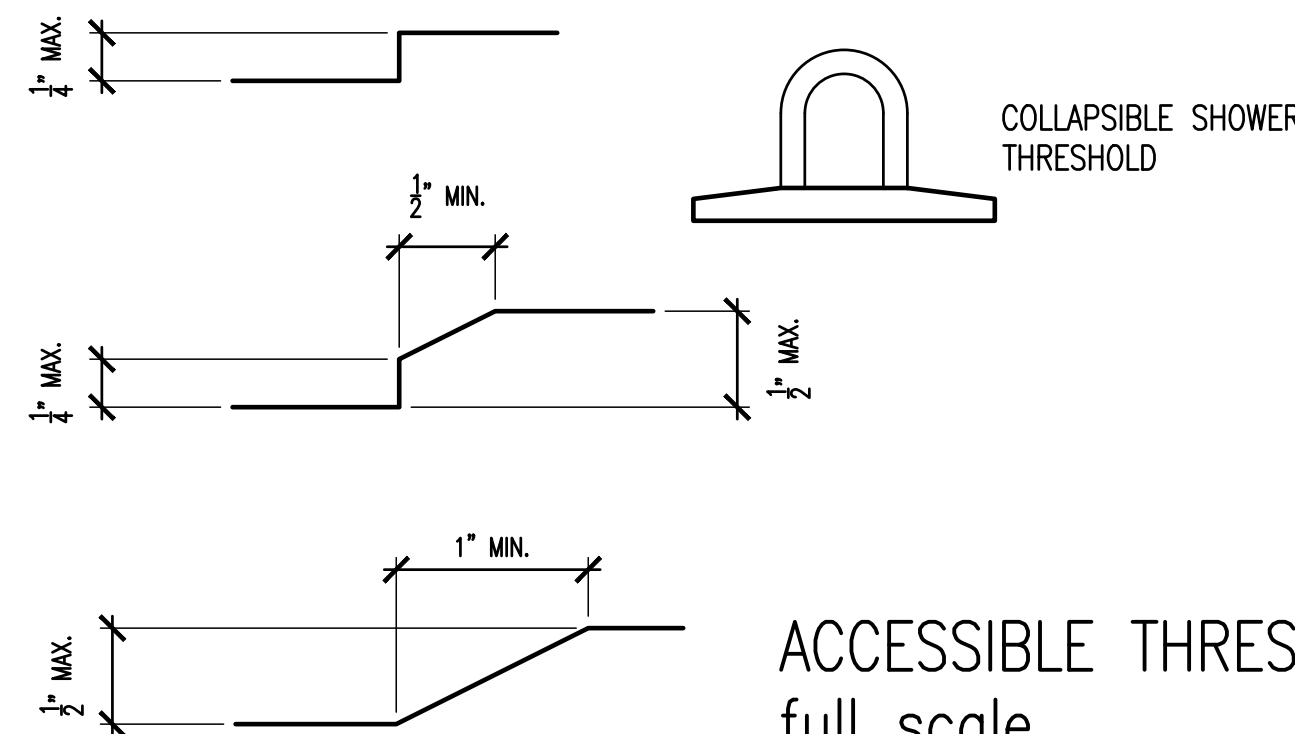
A17

22 OF 25(A) SHEETS



DARK COLOR OR BLACK BACKGROUND
WITH WHITE 1/32" HIGH RAISED LETTERS
LETTER SIZE - 3/4"
RADIUS PLAQUE CORNERS 1/2"

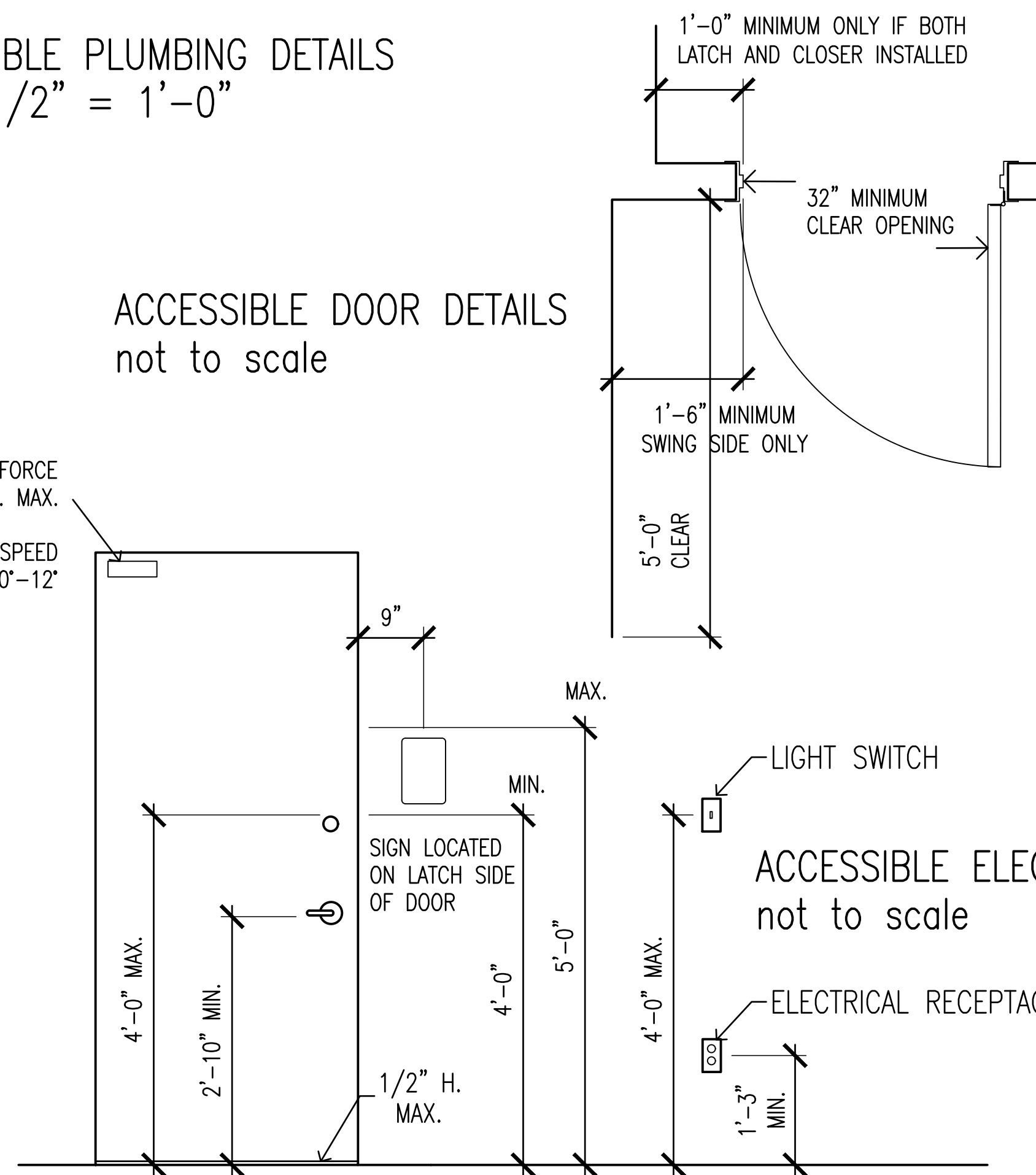
ACCESSIBLE SIGNAGE DETAILS
not to scale



ACCESSIBLE DOOR DETAILS
not to scale

CLOSER FORCE
5 LB. MAX.

CLOSER SPEED
5 SEC. MIN. 90"-12"



scale is accurate on 24"x36" sheets only

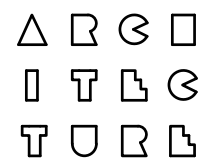
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LLC

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Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

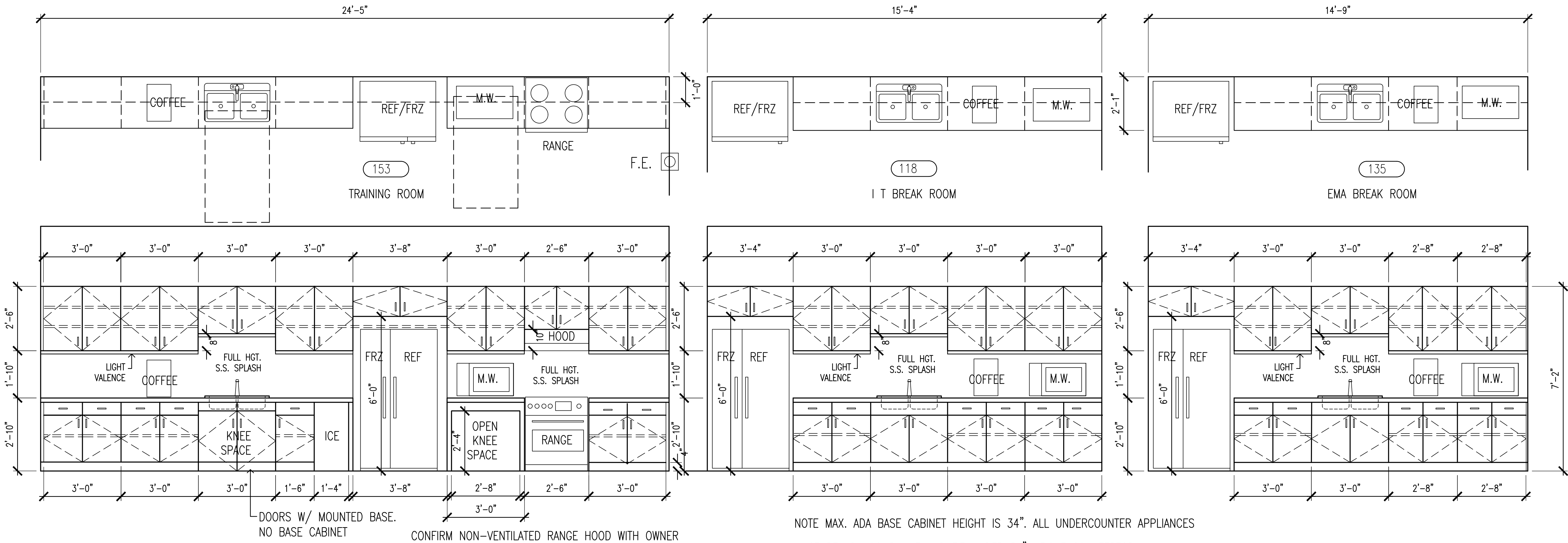
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CASEWORK DETAILS 1

SHEET NO.

A18

23 OF 25(A) SHEETS



NOTE MAX. ADA BASE CABINET HEIGHT IS 34". ALL UNDERCOUNTER APPLIANCES
MUST BE ADA COMPLIANT AND FIT UNDER 34" HEIGHT COUNTERTOP.

CABINETRY PLASTIC LAMINATE:
WILSONART OR FORMICA.
COLOR TBD

SOLID SURFACE SS-1:
GROUP B COLOR TBD

STANDARD WHITE MELAMINE

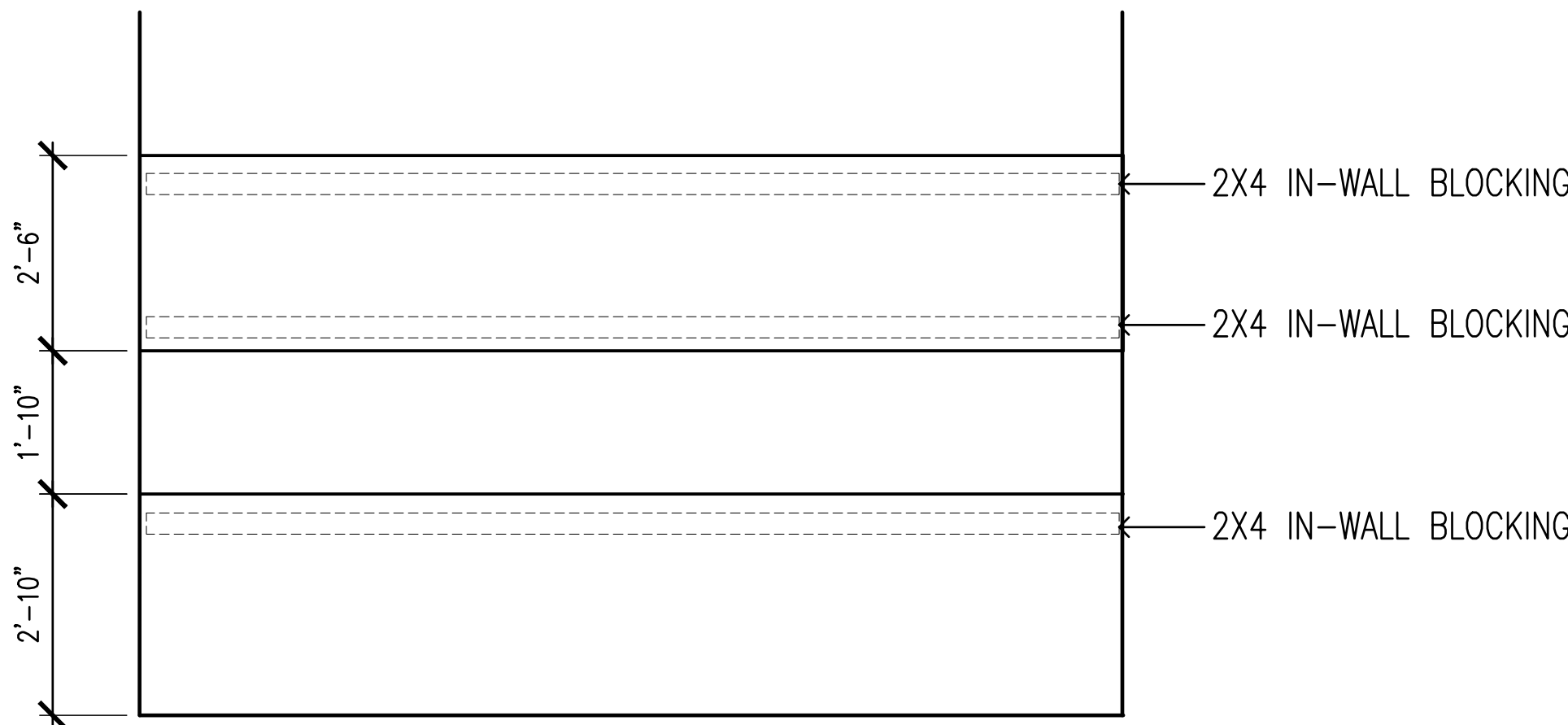
COUNTERTOPS AND BACKSPLASH: SOLID SURFACING
CABINETS, OUTSIDE FINISHES: HIGH PRESSURE PLASTIC LAMINATE
CABINET SHELVES: HIGH PRESSURE PLASTIC LAMINATE
CABINETS, INTERIOR FINISH: MELAMINE
WIRE DOOR AND DRAWER PULLS: 4" BRUSHED CHROME

CASEWORK DETAILS
scale: 3/4" = 1'-0"

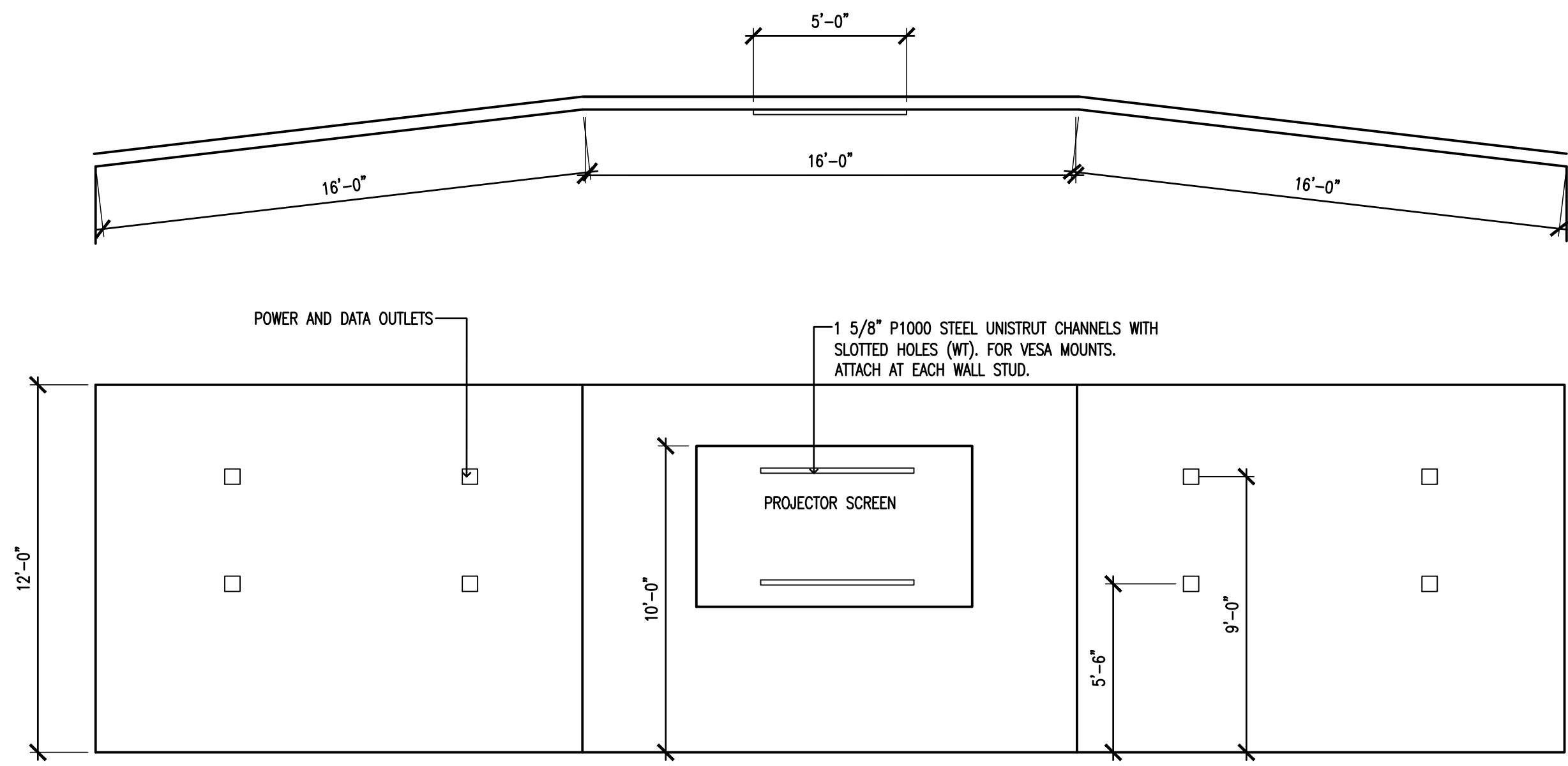
CASEWORK DETAILS
scale: 1/2" = 1'-0"

scale is accurate on 24"x36" sheets only

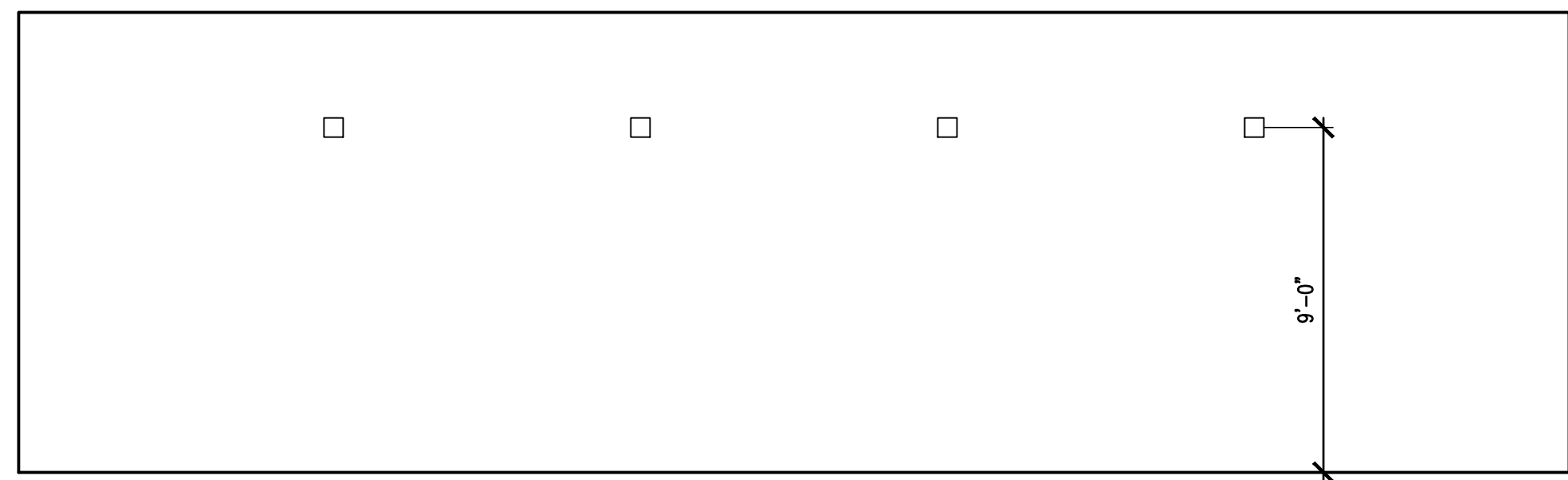
BLOCKING DETAILS
scale: 1/2" = 1'-0"



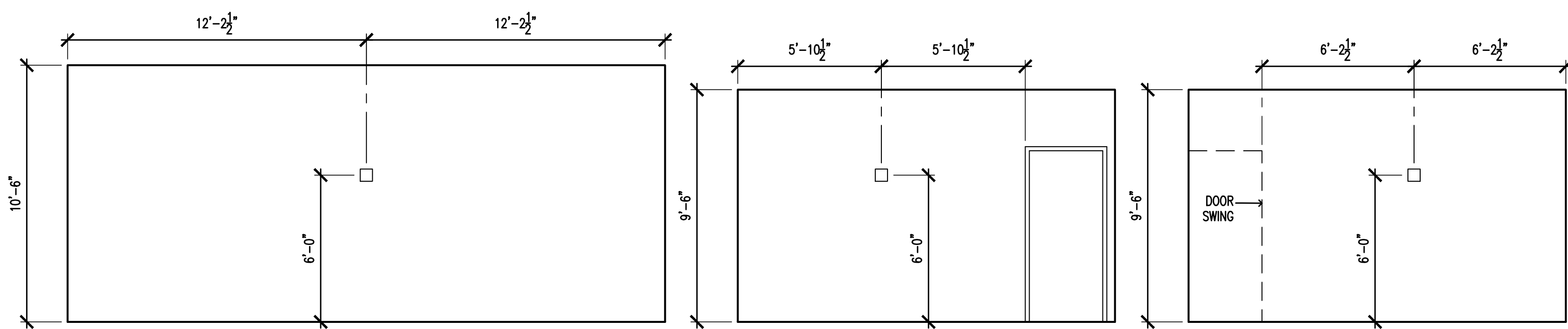
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150
MONITOR / PROJECTOR SCREEN WALL



150
NORTH SIDE WALL

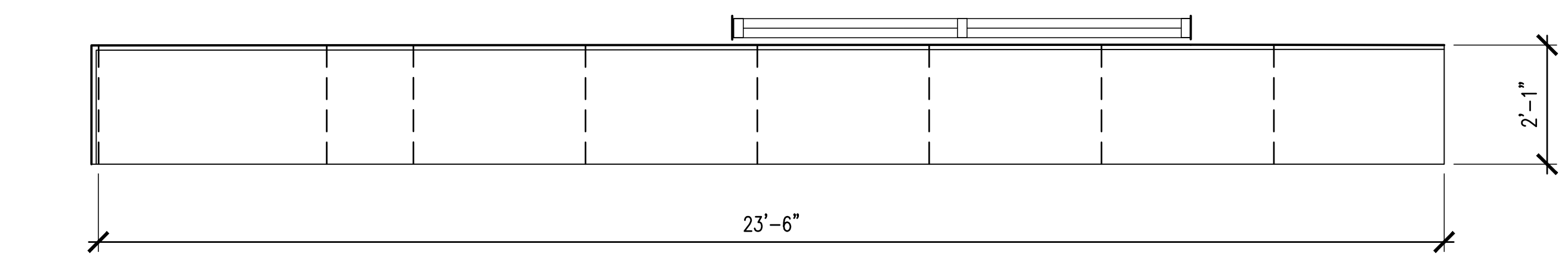


153
TRAINING ROOM

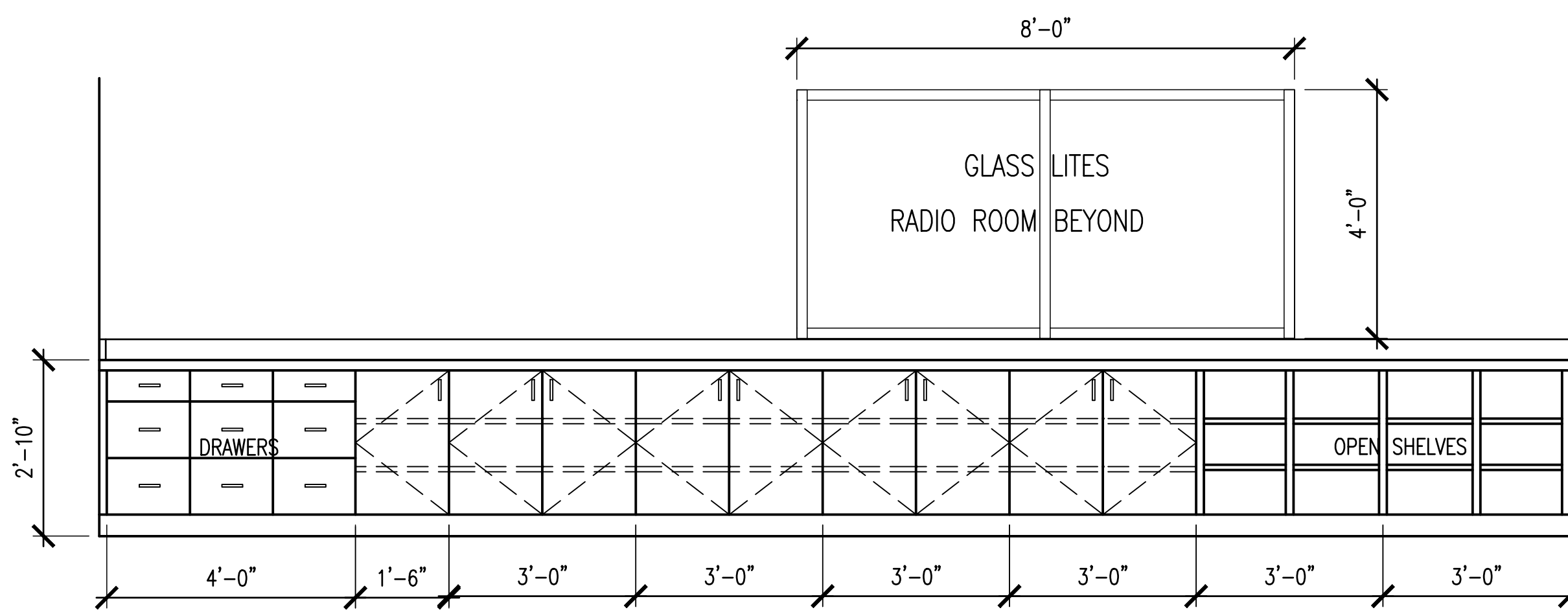
154
CONFERENCE ROOM

114
CONFERENCE ROOM

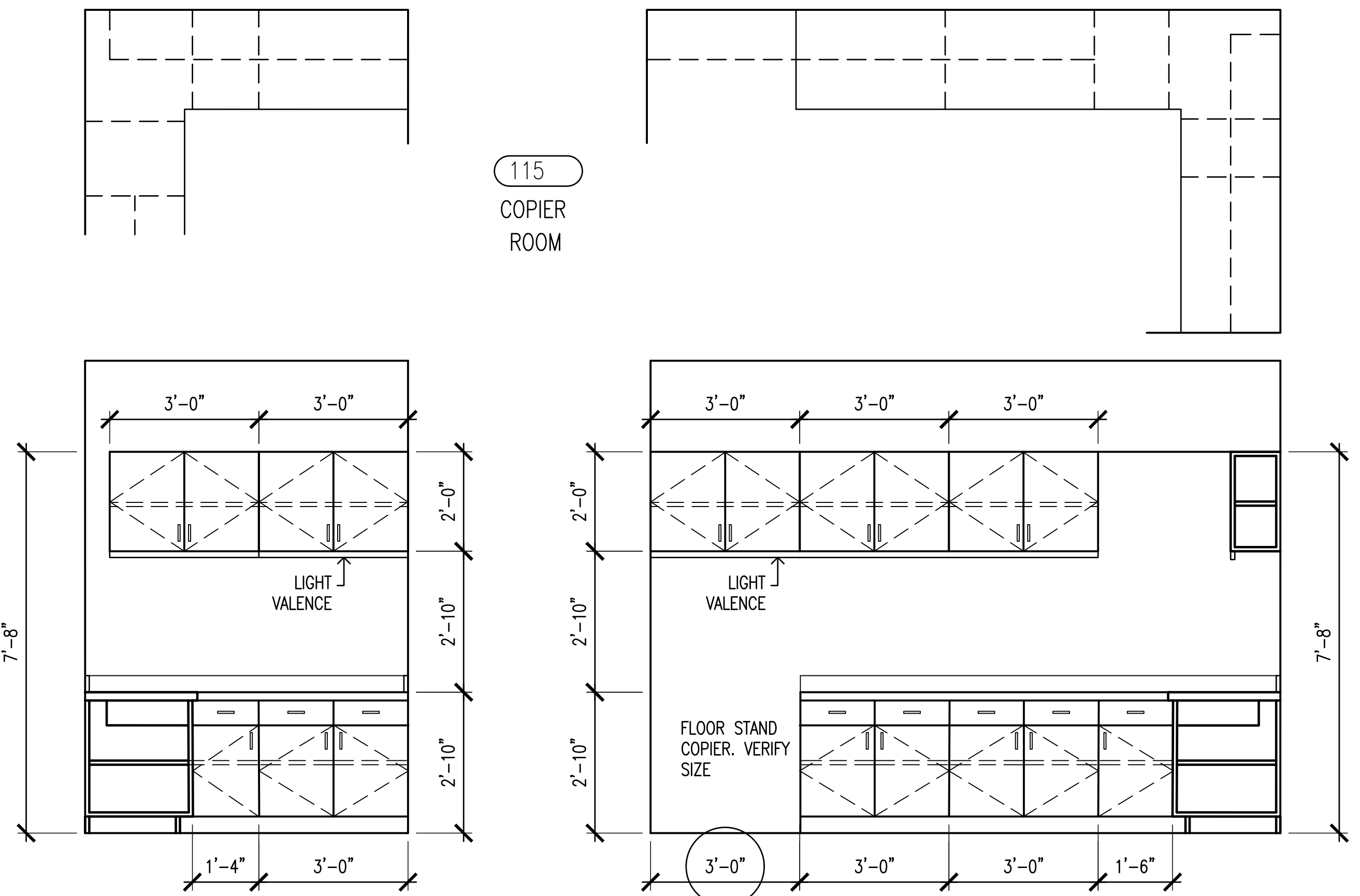
WALL MONITOR MOUNTING DETAILS
scale: 1/4" = 1'-0"



150
OPERATIONS ROOM



115
COPIER ROOM



CASEWORK DETAILS
scale: 1/2" = 1'-0"
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STATE OF ALABAMA
No. 1933
Stephen J. Coker
Birmingham, Alabama
REGISTERED ARCHITECT

Not Valid for Construction
without Registration Seal

Shelby County
EMA - IT FACILITY
260 - McDow Road
Shelby County, Alabama 35051

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▥ ▦ ▧ ▨

Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222
Phone 205/595-0021
E-mail:
steve@cokerarch.com

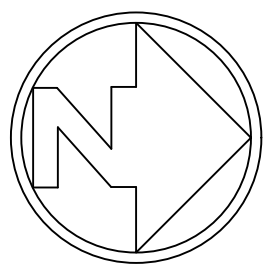
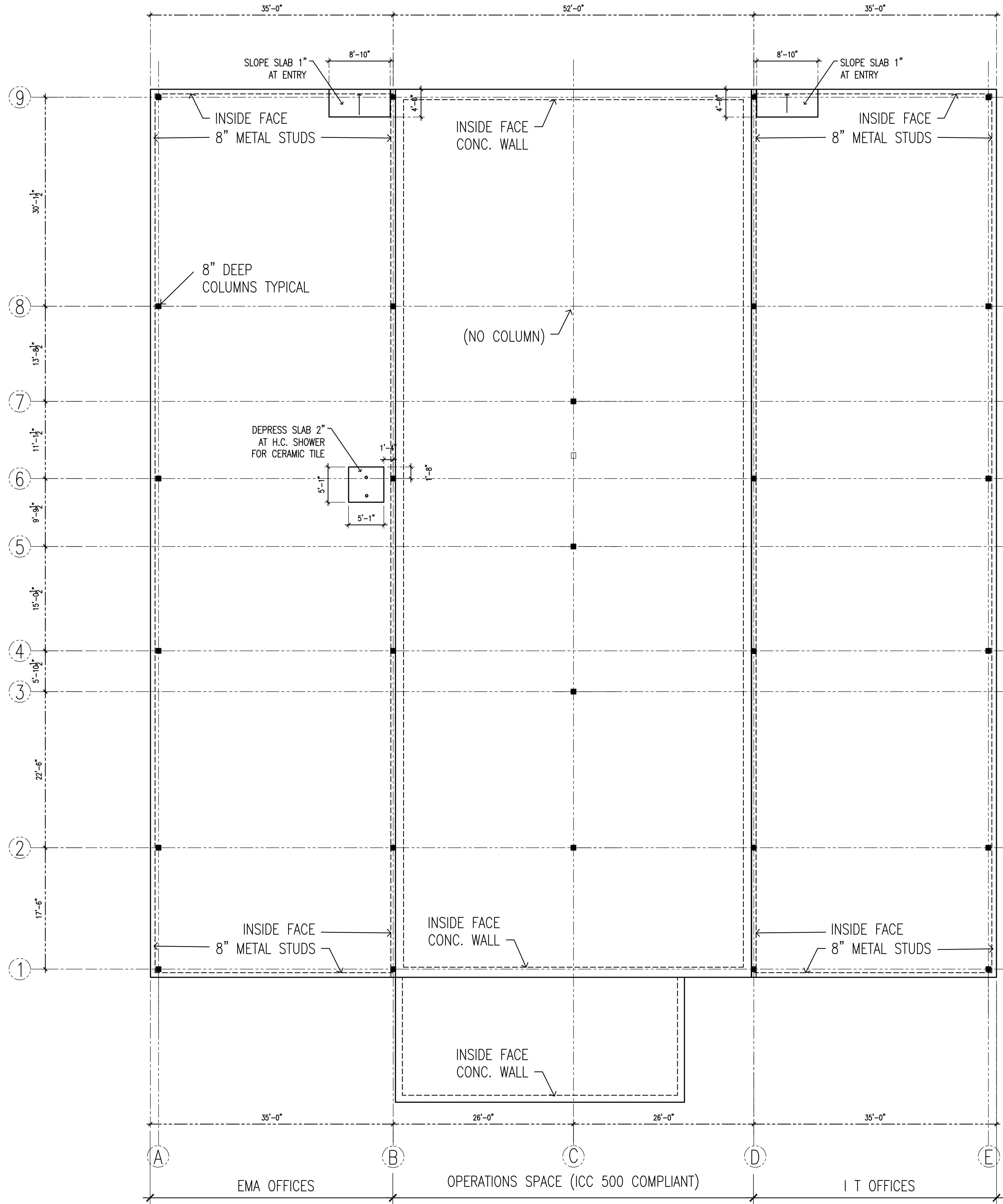
DRAWING DATE	10-27-2025
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PROJECT NO.	250407

CASEWORK DETAILS 2

SHEET NO.
A19

24 OF 25(A) SHEETS

C:\Users\steve\OneDrive\Desktop\CURRENT PROJECTS\SHELBY COUNTY EMA-IT\SHELBY COUNTY EMA-IT REVERSED PLAN.dwg, 10/28/2025 11:26:57 AM



FLOOR SLAB PLAN
scale: 1/8" = 1'-0"
scale is accurate on 24"x36" sheets only

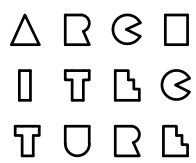
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FLOOR SLAB PLAN

SHEET NO.
A20
24 OF 25(A) SHEETS