

APPLICABLE CODES:

2021	International Building Code
2021	International Existing Building Code
2021	International Plumbing Code
2021	International Mechanical Code
2021	International Fire Code
2015	International Energy Conservation Code
2023	National Electrical Code
2017	ANSI 117.1 Accessibility Code
2010	ADA Standards for Accessible Design

OCCUPANCY TYPE:

2021 IBC: Group B (IBC Section 304)
960 SF

CONSTRUCTION TYPE:

2021 IBC: TYPE V-B (IBC Section 602)

BUILDING HEIGHT AND AREA LIMITATIONS:

2 stories / 9000 S.F./ 40' Height (IBC Table 504 & 506)
(Allowable area and height increases not calculated)

THIS PROJECT: 1 story – 960 S.F. – 14' height

THIS BUILDING IS REQUIRED / NOT REQUIRED TO BE FIRE SPRINKLERED (NFPA 13)

FIRE ALARM SYSTEM IS NOT REQUIRED BY (F) IBC 907

MINIMUM OCCUPANT LOADS BY CODE:

1 per 150 S.F. – Business Areas (IBC Table 1004.5)

MAXIMUM TRAVEL TO EXIT:

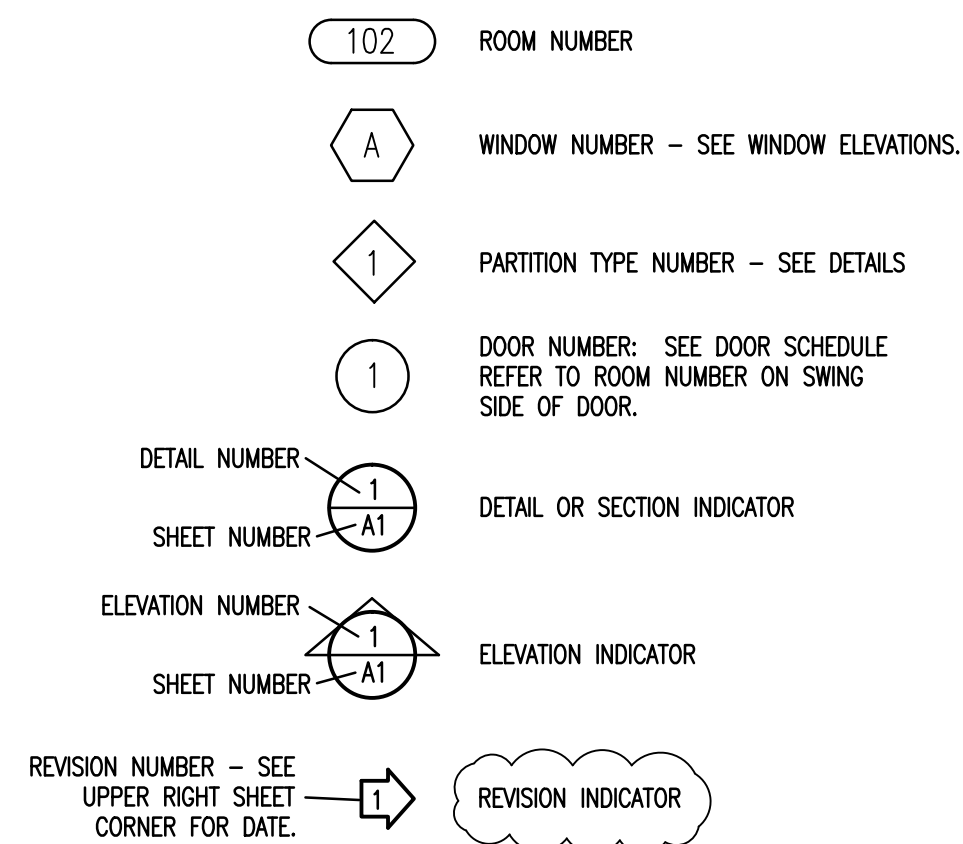
Exit Access Travel Distance Limit – Group B – 200 max. (IBC Table 1017.2)

Max. distance this project – 30'

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

Max. distance this project = 10'

ARCHITECTURAL SYMBOL LEGEND



ABBREVIATIONS

C/C	CENTERLINE
0	CENTER TO CENTER
0	AT THE RATE OF
#	NUMBER
APPROX.	APPROXIMATE, APPROXIMATELY
A.F.F.	ABOVE FINISH FLOOR
C.	CENTER
C.J.	CONTROL JOINT
CL.	CLEAR
CL.G.	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
FLR.	FLOOR
GYP. BD.	GYPSON BOARD
H.	HIGH
H.D.	HEAD
HR.	HOUR
HT.	HEIGHT
INT.	INTERIOR
M.O.	MASONRY OPENING
MAX.	MAXIMUM
MFR.	MANUFACTURER
MIN.	MINIMUM
N.C.	NOT IN CONTRACT
O.C.	ON CENTER
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.F.	OWNER FURNISHED AND INSTALLED
PLAN.	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.	WITH
W/	WIDE
WDW.	WINDOW
W.W.M.	WELDED WIRE MESH
W.W.F.	WELDED WIRE FABRIC

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

CS	COVER SHEET
SP	SCALE PLAN
LS	LIFE SAFETY PLAN
A1	FLOOR PLAN
A2	REFLECTED CEILING PLAN & ROOF PLAN
A3	EXTERIOR ELEVATIONS
A4	BUILDING SECTIONS
A5	DOOR & FINISH SCHEDULES
A6	ACCESSIBILITY DETAILS
A7	CABINETRY DETAILS
A8	TRAFFIC SIGNAL DETAILS

ARCHITECTURAL SHEETS – (11)

CIVIL ENGINEERING SHEETS C000 – C550 (19)

STRUCTURAL ENGINEERING SHEETS S1-S9 (9)

PLUMBING ENGINEERING SHEETS P1-P2 (2)

HVAC ENGINEERING SHEETS M1-M5 (5)

ELECTRICAL ENGINEERING SHEETS E1–E10 (10)

56 TOTAL SHEETS

BID DRAWING SUBMITTAL

BUILDING USE

Truck Scale House

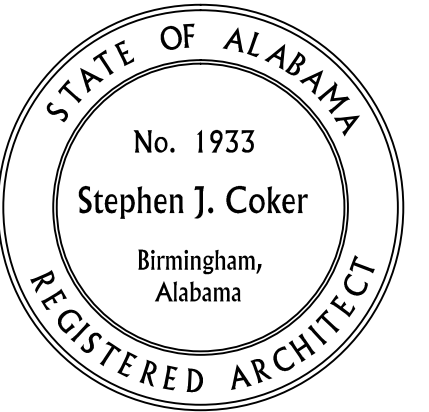
Project Name and Address:

Shelby County Landfill Scale House Project
AL Highway 70
Shelby County, AL.

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

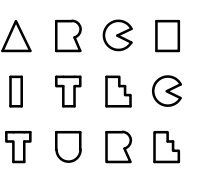
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Shelby County Landfill Scale House Project
AL Highway 70
Shelby County, AL.



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

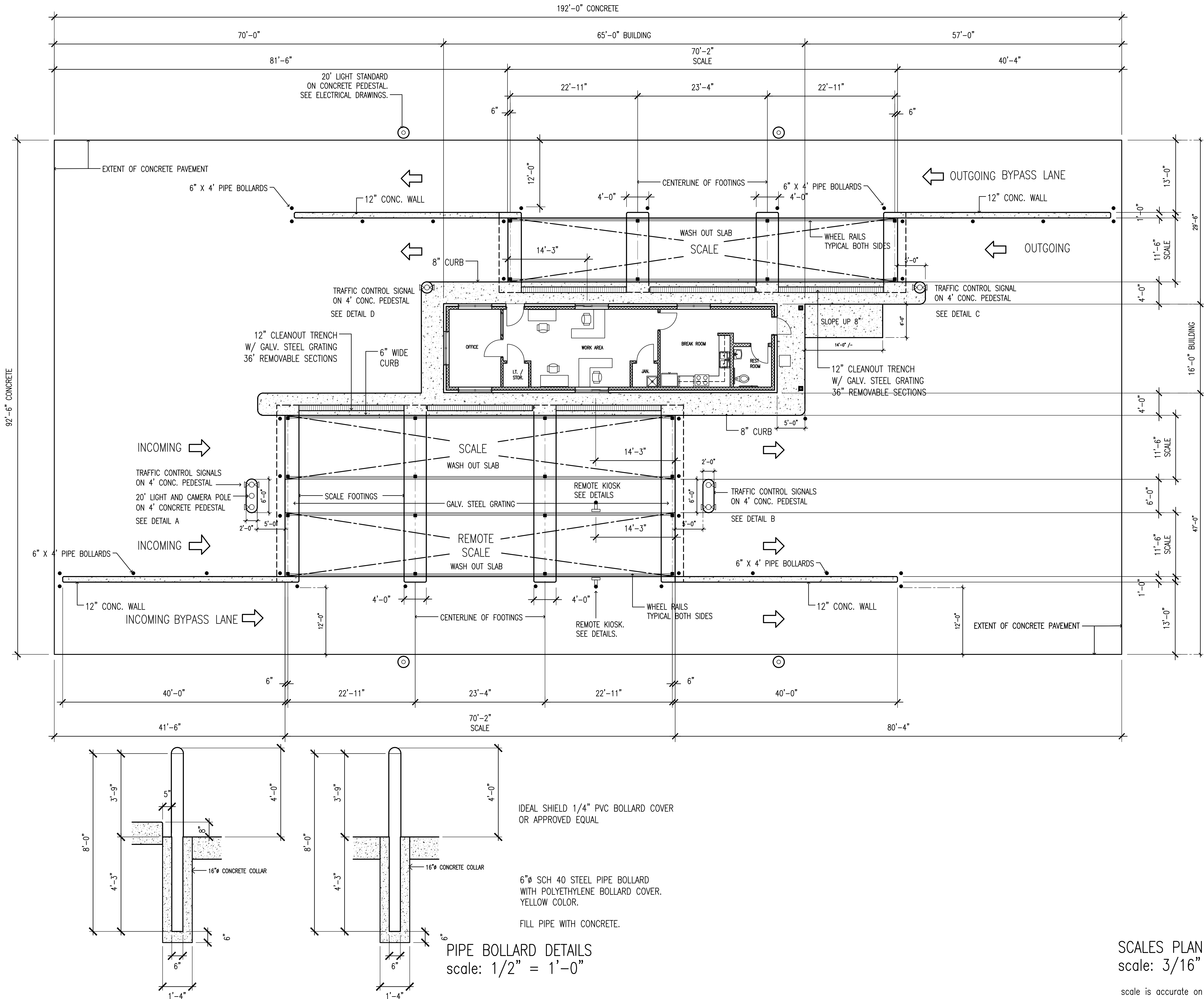
DRAWING DATE	7-10-2024
DRAWN BY	SJC
PROJECT NO.	260314

SHEET NO.

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1 OF 11 (A) SHEETS

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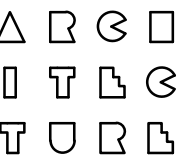
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Architect
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Birmingham, Alabama 35222

Phone 205/595-0021

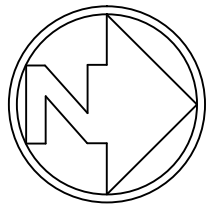
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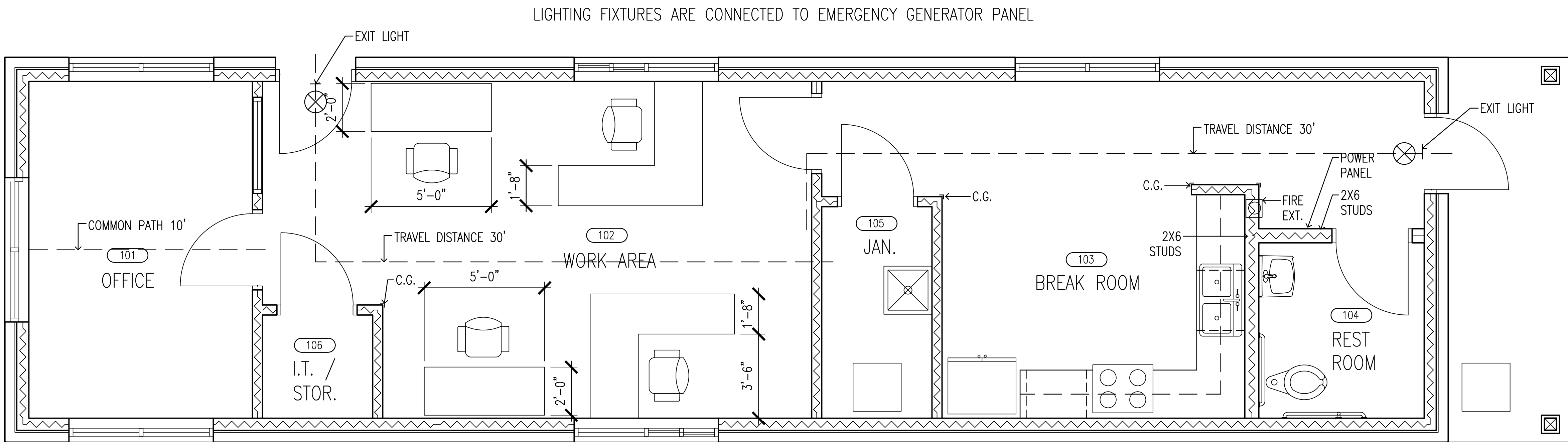
2 OF 11(A) SHEETS



SCALES PLAN
scale: 3/16" = 1'-0"

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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

LIFE SAFETY PLAN
scale: 3/8" = 1'-0"
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STATE OF ALABAMA

No. 1933

Stephen J. Coker

Birmingham,
Alabama

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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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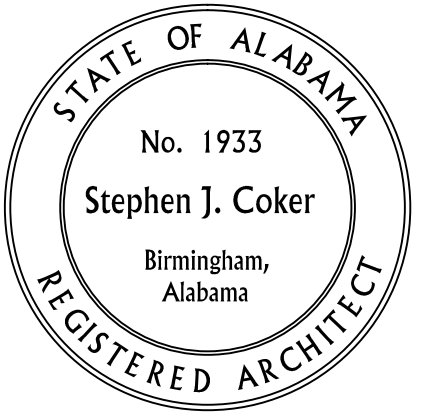
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3 OF 11(A) SHEETS

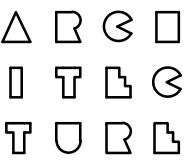
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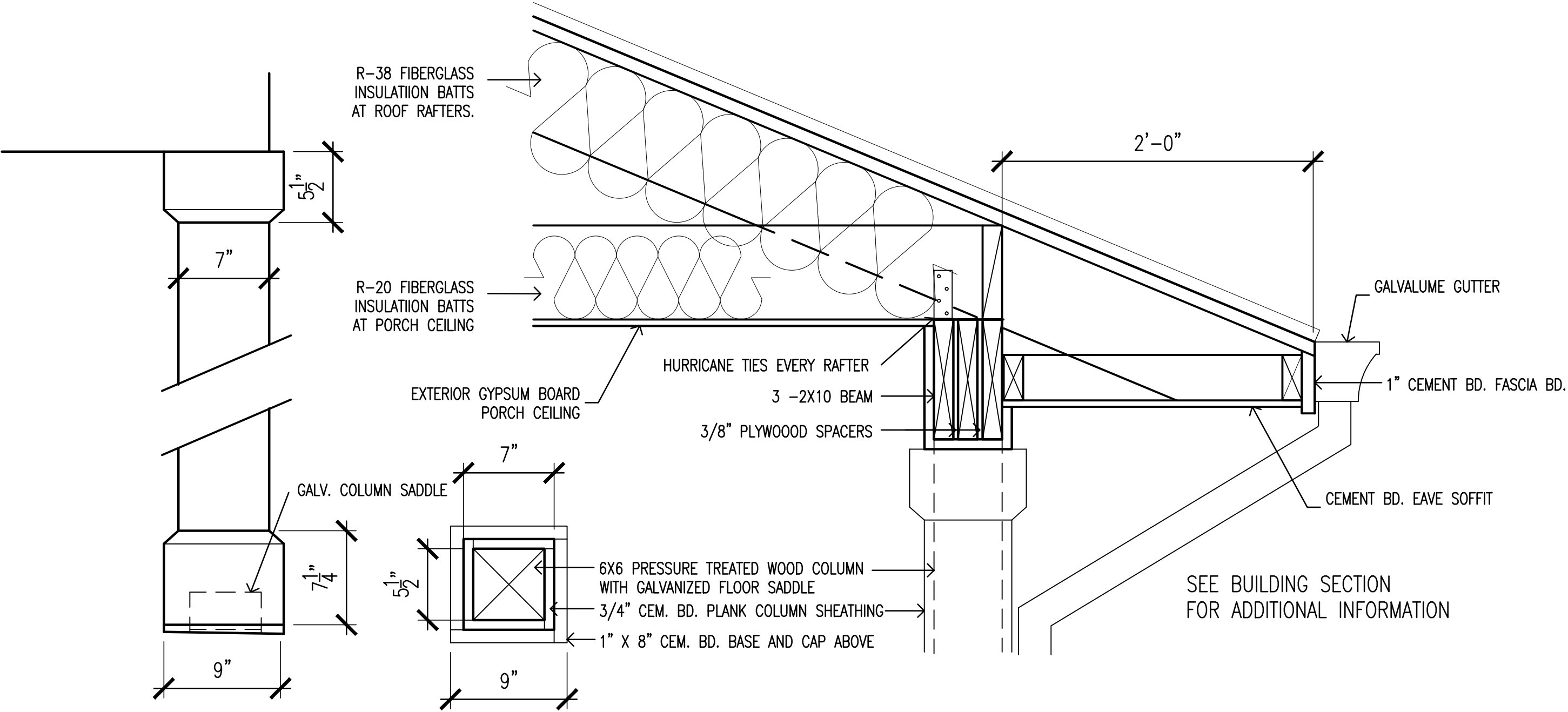
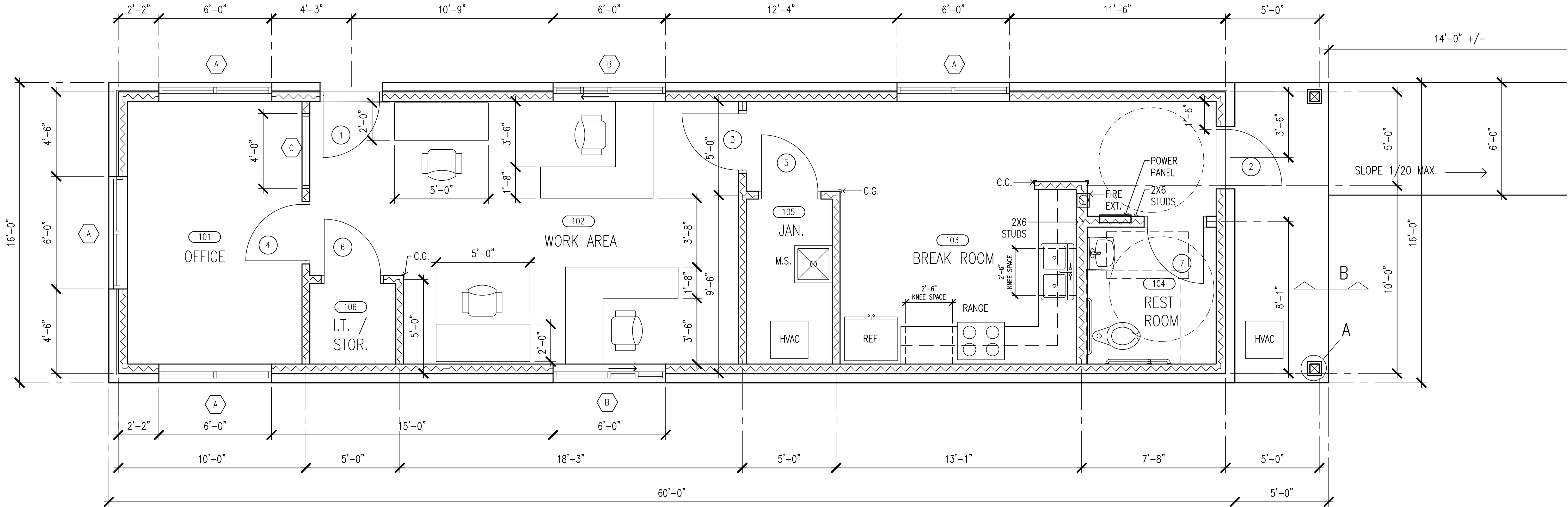
1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

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SHEET NO.	A1
4	OF 11(A) SHEETS



EXTERIOR WALL CONSTRUCTION

- 5/8" GYPSUM BOARD
- 2X6 WOOD STUDS @ 16" C/C
- R-20 FACED FIBERGLASS BATT INSULATION
- BRICK VENEER
- 1/2" PLYWOOD EXTERIOR SHEATHING
- 1" CLEAR AIRSPACE
- WEATHER RESISTANT BARRIER
- PRESSURE TREATED SILL PLATE
- DOUBLE TOP PLATE

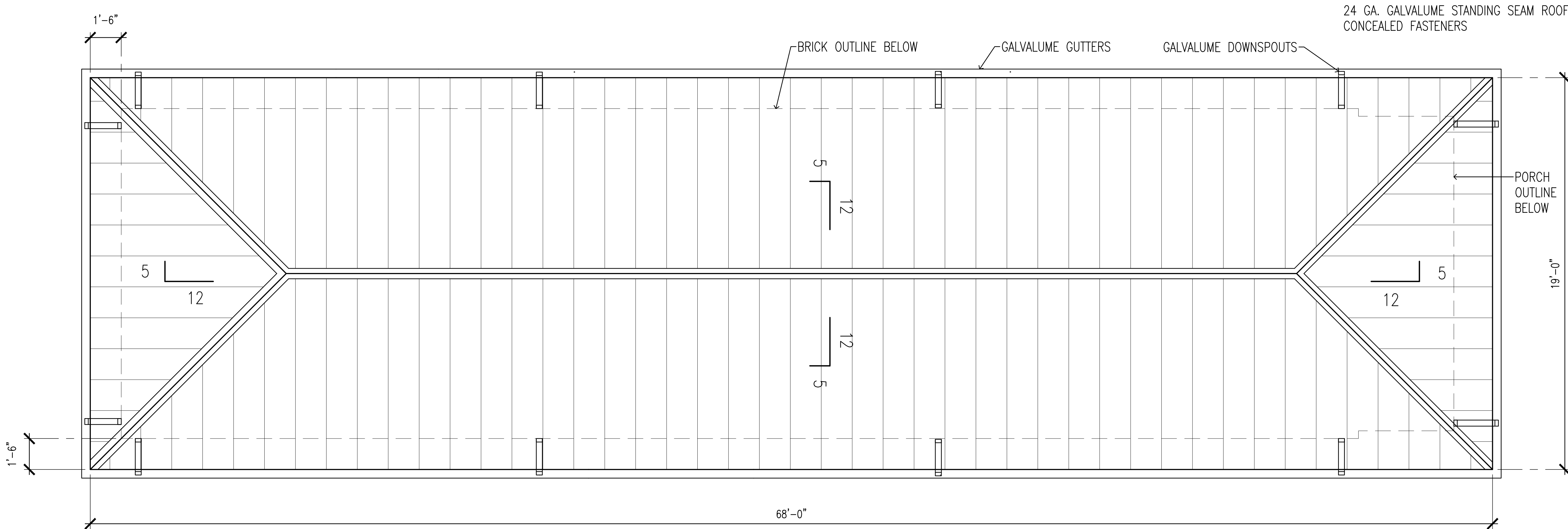
INTERIOR WALL CONSTRUCTION

- 5/8" GYPSUM BOARD BOTH SIDES
- 2X4 WOOD STUDS @ 16" C/C (2X6 AT TOILET WALL)
- FIBERGLASS BATT SOUND INSULATION FOR PARTITION RATING MIN. STC 36
- RUBBER WALL BASE

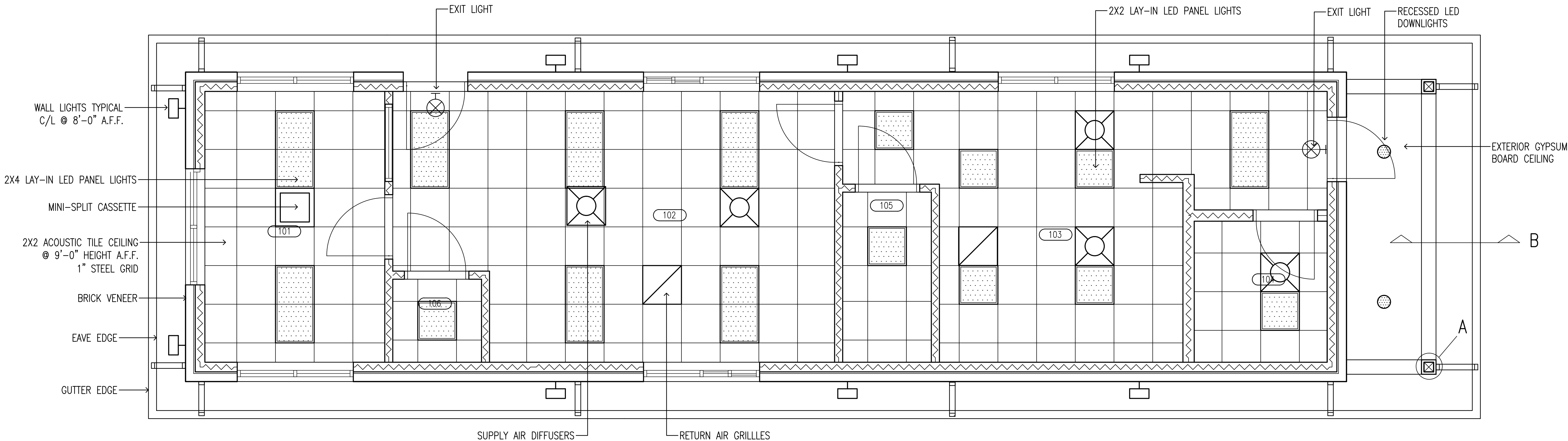
PORCH COLUMN ELEVATION PORCH COLUMN PLAN A PORCH BEAM SECTION B
scale: 1 1/2" = 1'-0"

FLOOR PLAN
scale: 3/8" = 1'-0"
scale is accurate on 24"x36" sheets only

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ROOF PLAN
scale: 3/8" = 1'-0"



REFLECTED CEILING PLAN
scale: 3/8" = 1'-0"
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Birmingham, Alabama

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AL Highway 70

Shelby County, AL.

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Stephen Coker Architect LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail: steve@cokerarch.com

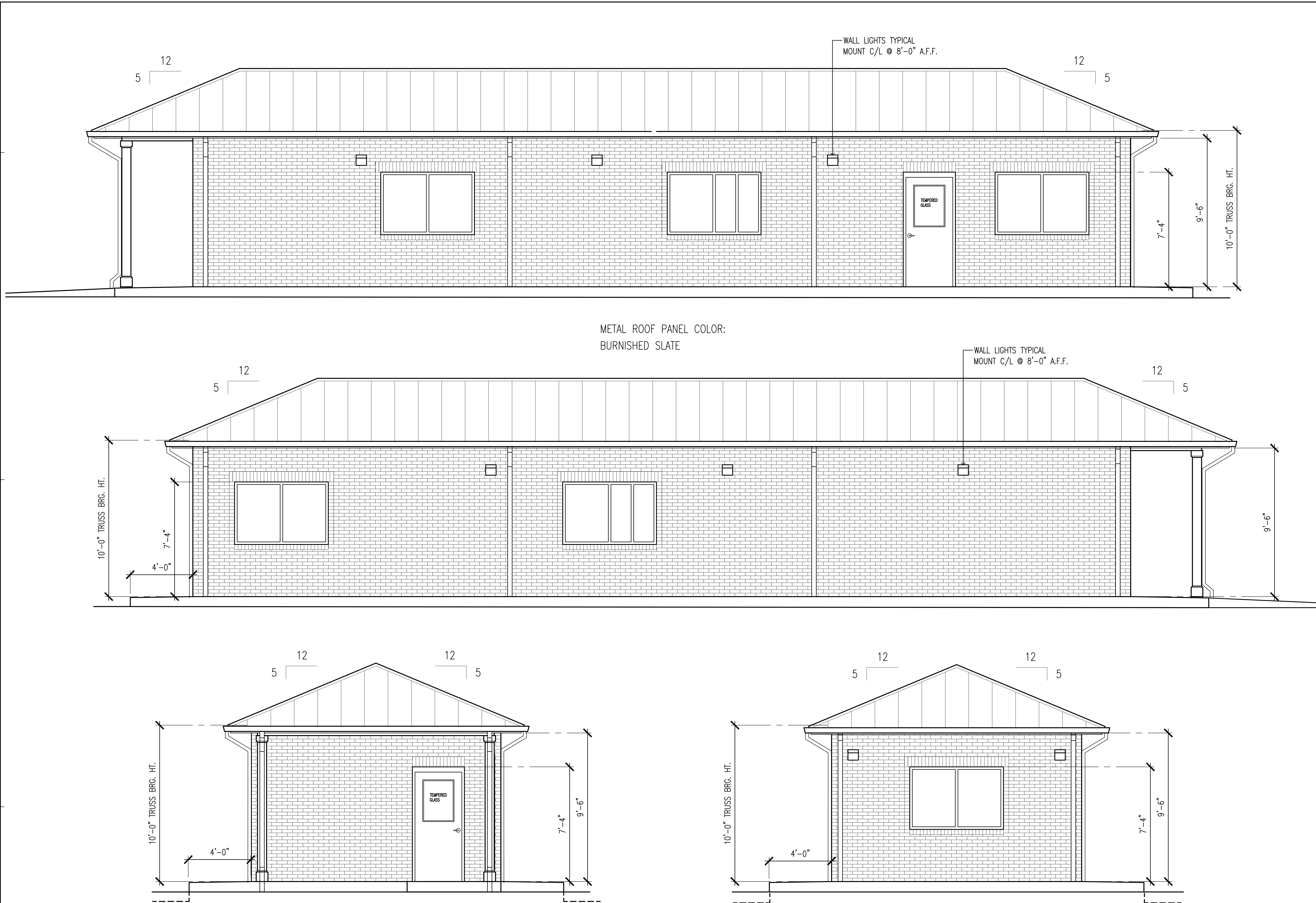
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5 OF 11(A) SHEETS

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

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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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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

one 205/595-0021

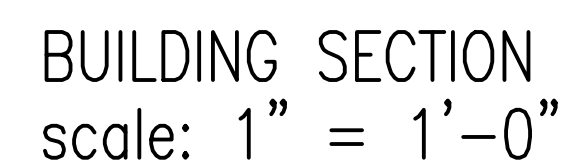
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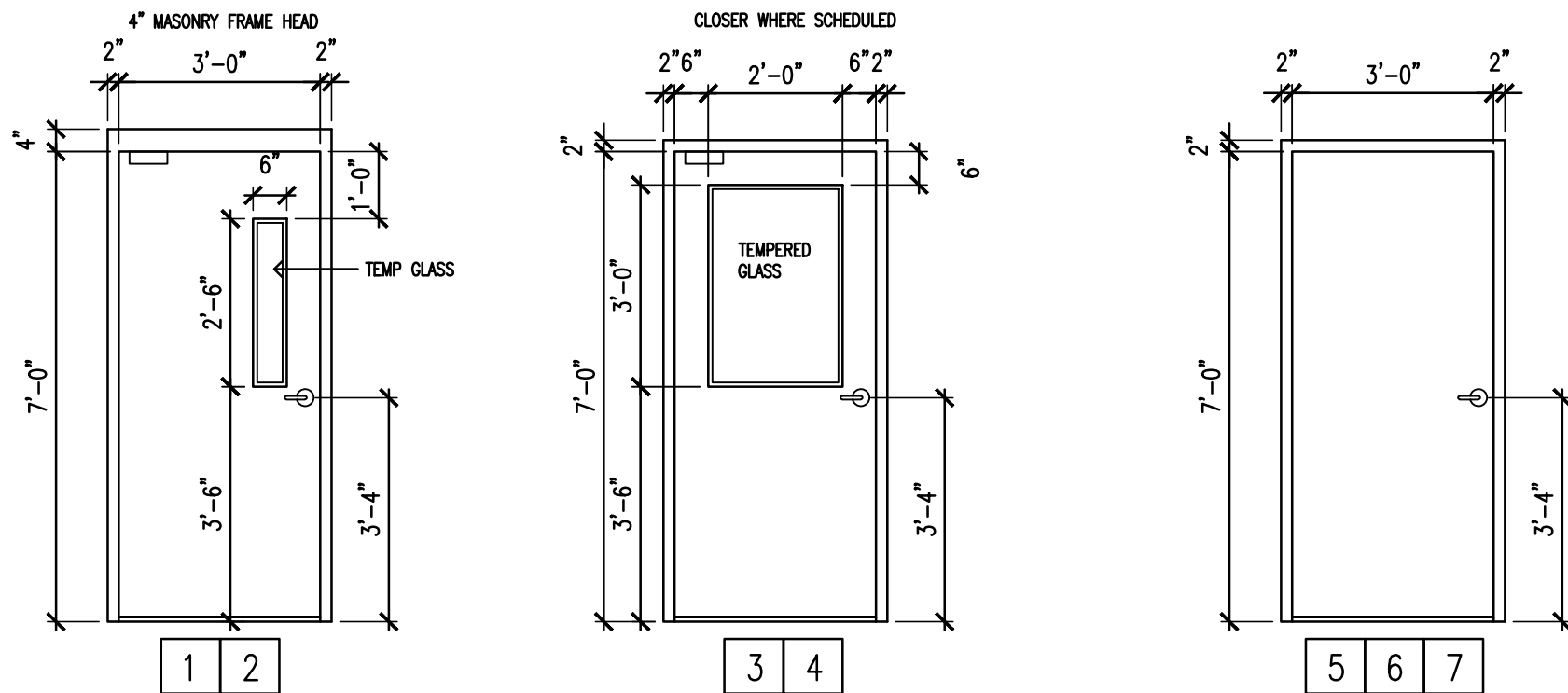
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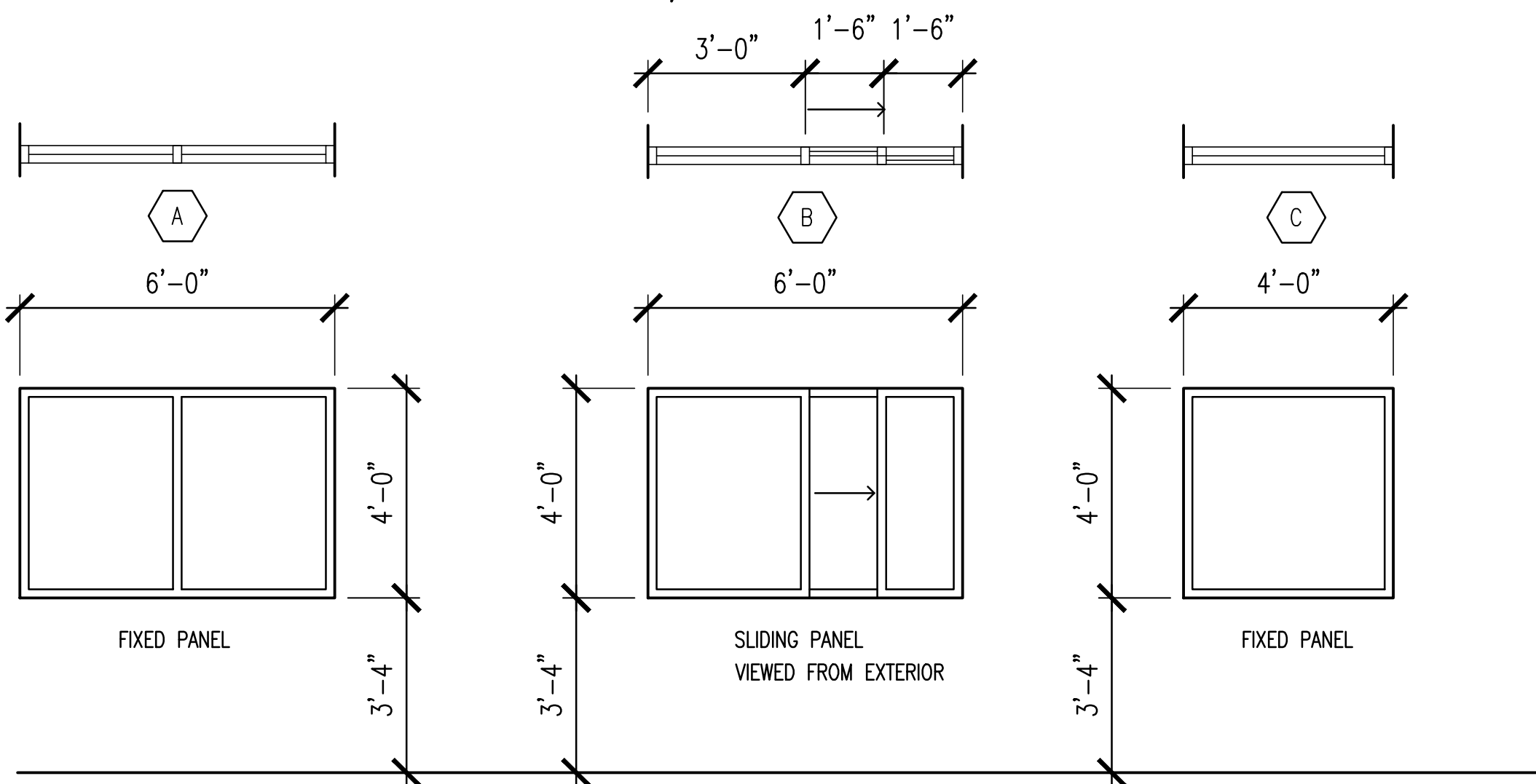
INTERIOR FINISH SCHEDULE										
GYPSUM BOARD LEVEL 4 FINISH										
ROOM	FLOOR	WALL BASE	WDW. TRIM	WALLS	WAINSCOT	CEILING	CLG. HGT.	DOORS	DOOR FRAME	WINDOW TRIM
101	LUXURY VINYL PLANK	4" RESILIENT	2" WOOD	PAINTED GYP. BD		2X2 A.T.C.	9'-0"	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL
102	LUXURY VINYL PLANK	4" RESILIENT	2" WOOD	PAINTED GYP. BD		2X2 A.T.C.	9'-0"	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL
103	LUXURY VINYL PLANK	4" RESILIENT	2" WOOD	PAINTED GYP. BD		2X2 A.T.C.	9'-0"	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL
104	LUXURY VINYL PLANK	4" RESILIENT		PAINTED GYP. BD		2X2 A.T.C.	9'-0"	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL
105	LUXURY VINYL PLANK	4" RESILIENT		PAINTED GYP. BD		2X2 A.T.C.	9'-0"	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL	SEMI-GLOSS ENAMEL



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

DOOR ELEVATIONS

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



EXTERIOR GLASS:
1" INSULATED TINTED GLASS
IN 2 X 4.5" THERMALLY-BROKEN
DARK BRONZE ANODIZED STOREFRONT SASH

TRANSACTION WINDOW GLASS:
3/4" INSULATED TINTED GLASS
IN 2 X 4.5" THERMALLY-BROKEN
DARK BRONZE ANODIZED SLIDING
WINDOW FRAME. CENTER OPERABLE
PANEL TO BE MANUAL OPEN / SELF
CLOSE.

INTERIOR GLASS: 1/4" SINGLE PANE
TEMPERED POLISHED PLATE GLASS IN
2 X 4.5" DARK BRONZE ANODIZED STOREFRONT SASH

WINDOW ELEVATIONS

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

DOOR SCHEDULE												
HOLLOW METAL DOORS - 18 GA. HOLLOW METAL FRAMES - 16 GA.												
REFERENCE	EXPOSURE	WIDTH	HEIGHT	THK.	MATERIAL	TYPE	FRAME	GLASS	FIRE RATING	DESCRIPTION		REMARKS
1	EXTERIOR	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	GALVANNEALED HOLLOW METAL	YES	NO	INSULATED METAL DOOR	4" MASONRY FRAME HEAD	2X6 STUD WALL PROVIDE ELECTRIC STRIKE
2	EXTERIOR	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	GALVANNEALED HOLLOW METAL	YES	NO	INSULATED METAL DOOR	4" MASONRY FRAME HEAD	2X6 STUD WALL PROVIDE ELECTRIC STRIKE
3	INTERIOR	2'-6"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	HOLLOW METAL	YES	NO			
4	INTERIOR	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	HOLLOW METAL	YES	NO			
5	INTERIOR	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	HOLLOW METAL	NO	NO			
6	INTERIOR	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	HOLLOW METAL	NO	NO			PROVIDE ELECTRIC STRIKE
7	INTERIOR	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	FLUSH PANEL	HOLLOW METAL	NO	NO			2X6 STUD WALL

DOOR HARDWARE SCHEDULE														
VERIFY KEYING MATRIX WITH OWNER INTERIOR DOOR HARDWARE FINISH: US 26D SATIN CHROME														
REF	HINGES	EXIT LOCK	LOCKSET	PASSAGE LATCH	PRIVACY LATCH	PUSH/PULL	DBL DEADBOLT	HD. & FT. BOLT	CLOSER	STOP	GLASS	KICKPLATES	WEATHERSTRIP	THRESHOLD
1	3		** X						X	X	X	X	X	X
2	3		** X						X	X	X	X	X	X
3	3			X					X	X	X	X		
4	3		X							X	X			
5	3		X							X				
6	3		** X							X				
7	3				X					X				

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.

ALL HARDWARE FINISHES TO BE US 26D BRUSHED CHROME.

ANSI GRADE 1 CYLINDRICAL LEVER LOCKS AND DEADBOLTS.

LOCKSET HARDWARE ON DOORS 1,2,4,5,6 SHALL BE FURNISHED AND INSTALLED WITHOUT KEY CYLINDER CORES. LOCKSETS SHALL BE DESIGNED FOR AND CAPABLE OF ACCEPTING "SCHLAGE 1/C" KEY CYLINDER CORES. KEY CYLINDERS FURNISHED AND INSTALLED BY OWNER.

** ACCESS CONTROL ELECTRIC STRIKES REQUIRED ON DOORS 1, 2, 6.

INTERIOR FINISHES:

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

LUXURY VINYL TILE: MOHAWK GROUP - HOT & HEAVY - LINEATE - 948 FIGURED

ACOUSTICAL TILE: 2X2 SQUARE TEGULAR-EDGE ACOUSTIC CEILING TILE

WALL PAINT: SW 6073 "PERFECT GREIGE" EGGSHELL LATEX

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

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

EXTERIOR FINISHES:

BRICK VENEER: ACME "SLATE GRAY" PEP 167 - 106905 SMOOTH TEXTURE

BRICK MORTAR: TBD

ROOF METAL, GUTTERS, DOWNSPOUTS: BURNISHED SLATE COLOR

DOOR AND WINDOW FRAMING: DARK BRONZE ANODIZED

DOORS, FRAMES, EAVE PAINT: SW 7020 "BLACK FOX" SEMI-GLOSS

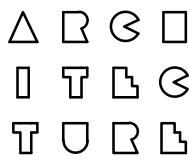
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

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SHEET NO.

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8 OF 11(A) SHEETS

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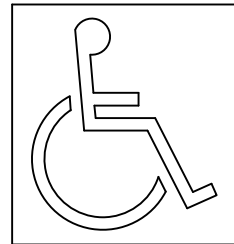
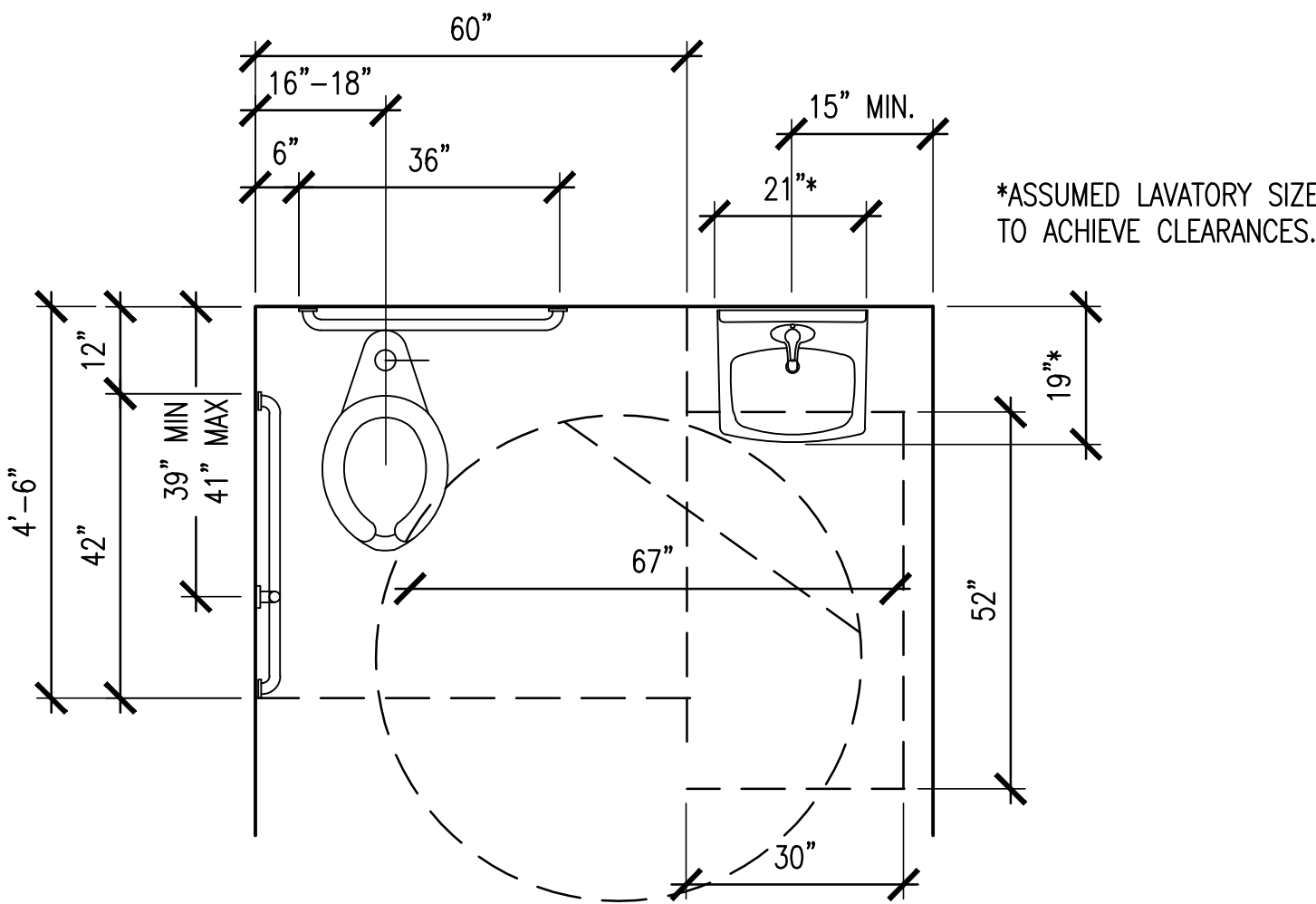
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PROVIDE SMOOTH, HARD, NON-ABSORBENT FINISHES FOR:

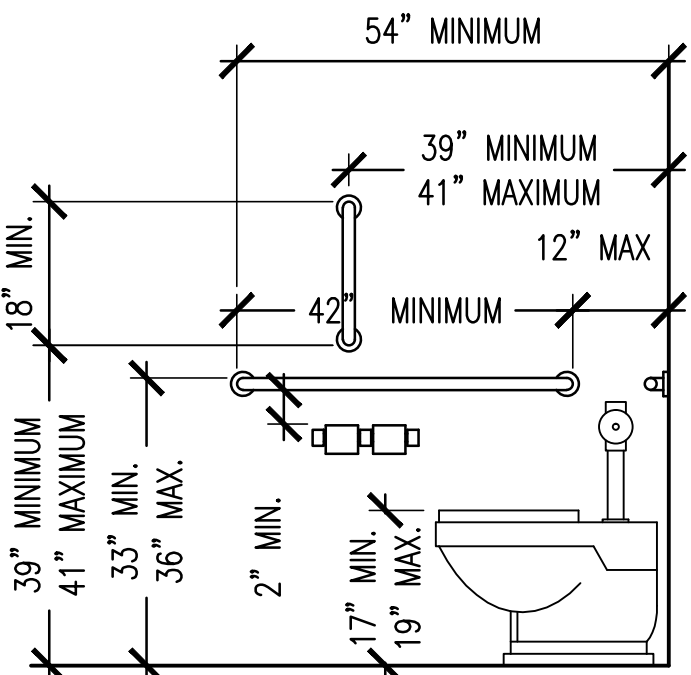
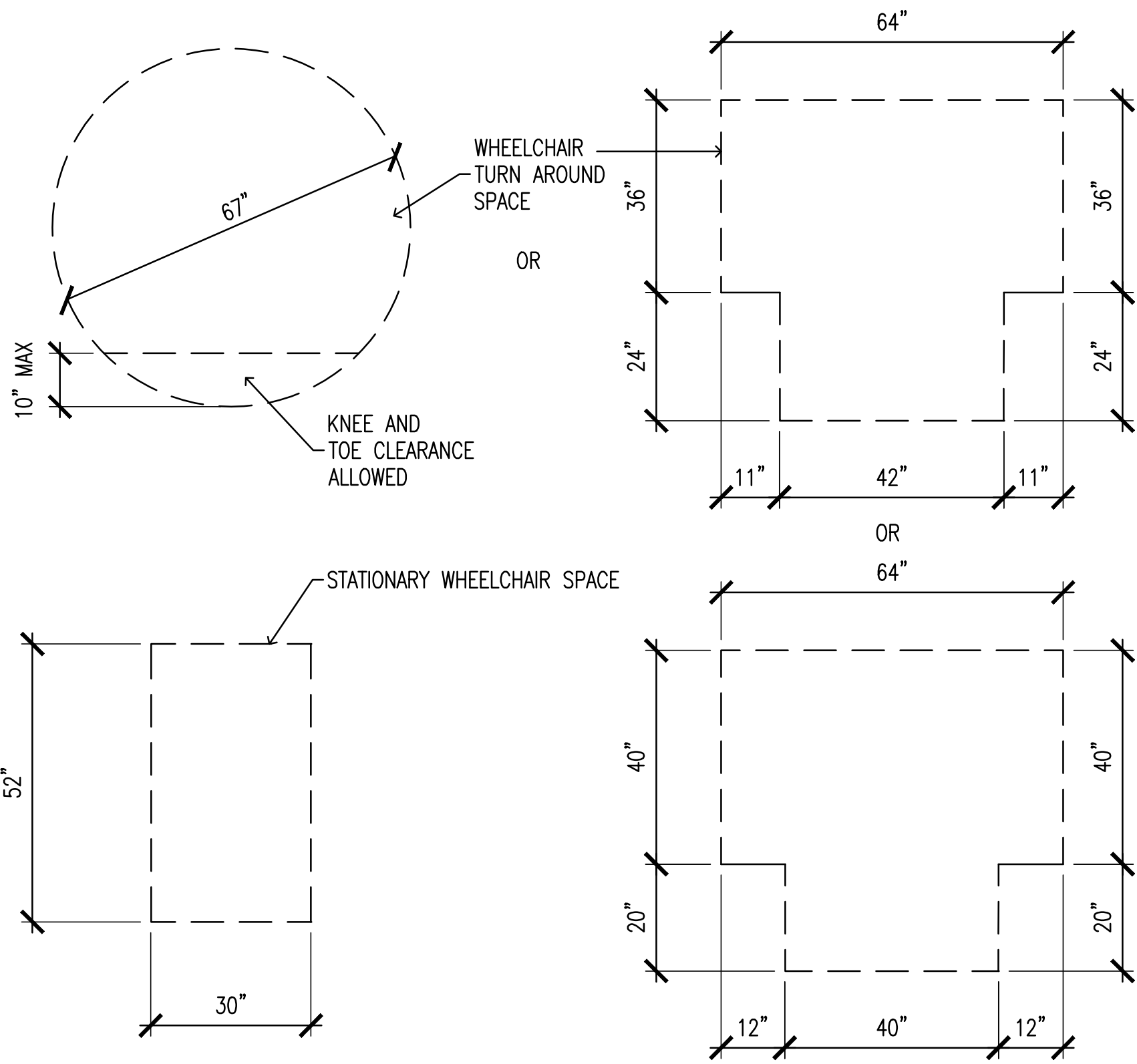
REST ROOM FLOOR AND 4" WALL BASE

WALL FINISHES WITHIN 24" OF WATER CLOSETS, URINALS, AND SERVICE SINKS UP TO A MINIMUM HEIGHT OF 48"

SHOWER FINISHES ON ALL WALLS UP TO A MINIMUM HEIGHT OF 72".

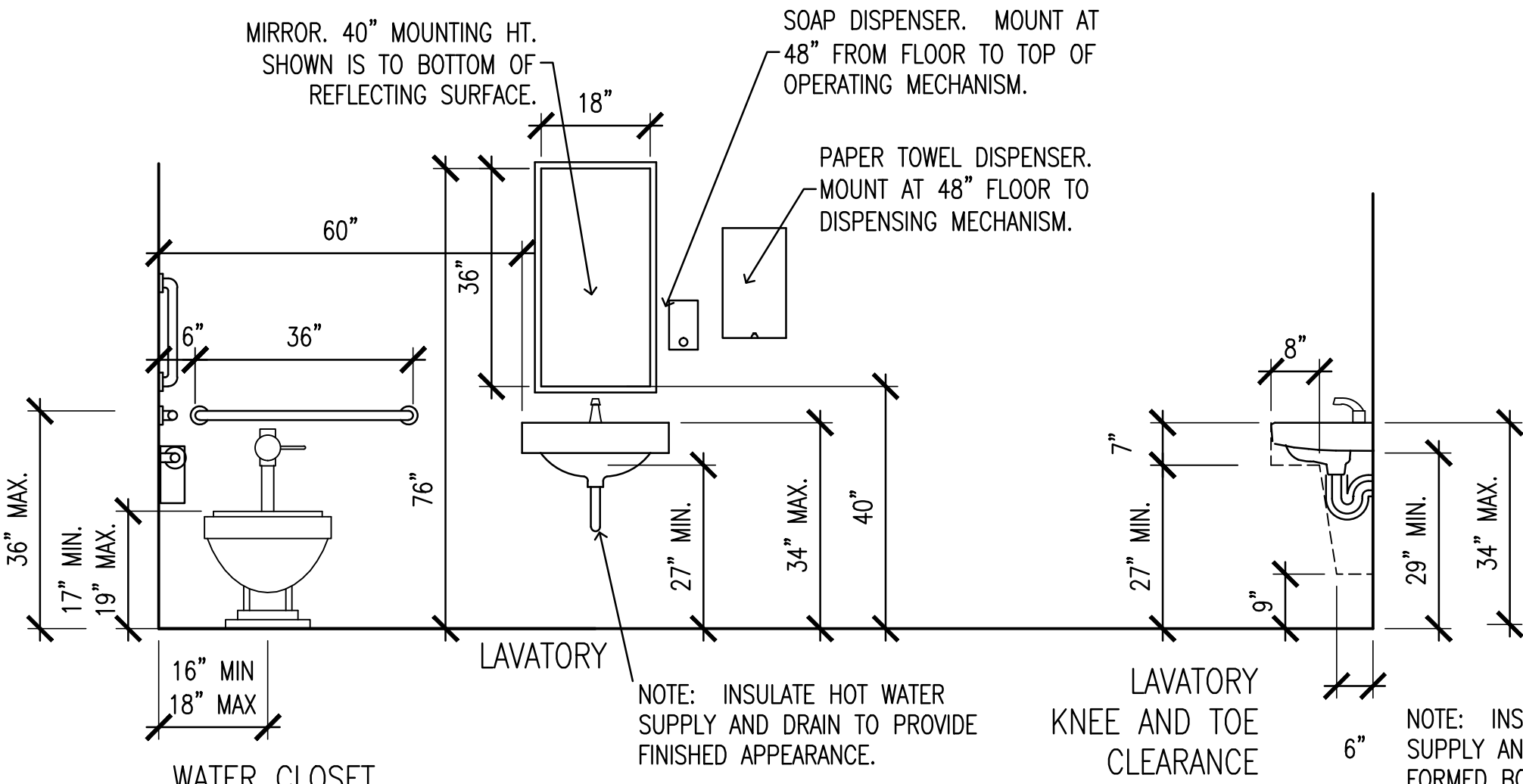


MINIMUM FIXTURE CLEARANCES
NEW BUILDINGS



WATER CLOSET (SIDE)

GRAB BARS SHALL BE CAPABLE OF SUPPORTING A LOAD OF 250 LBS. IN EVERY DIRECTION AT EVERY POINT



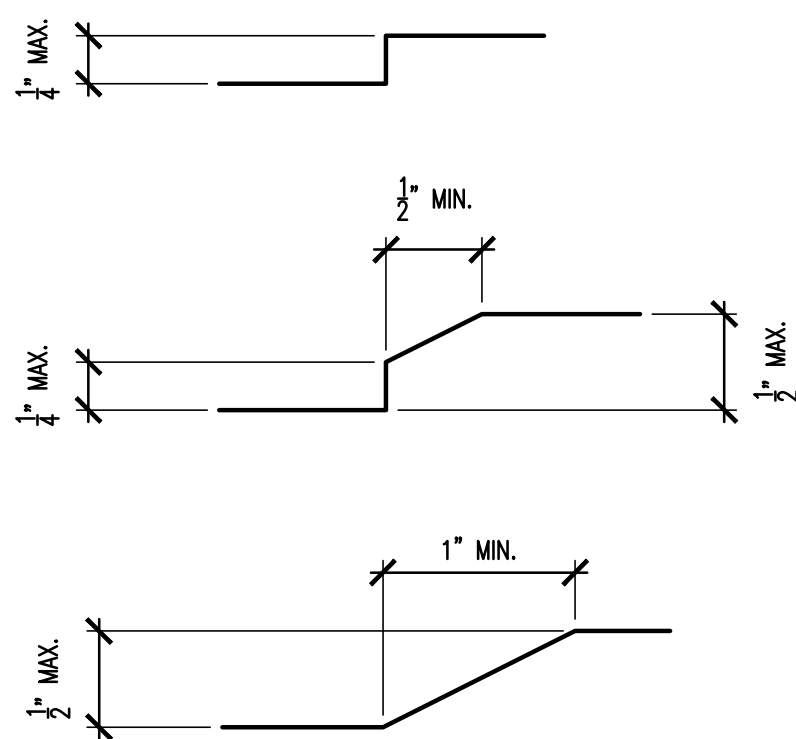
WATER CLOSET

LAVATORY

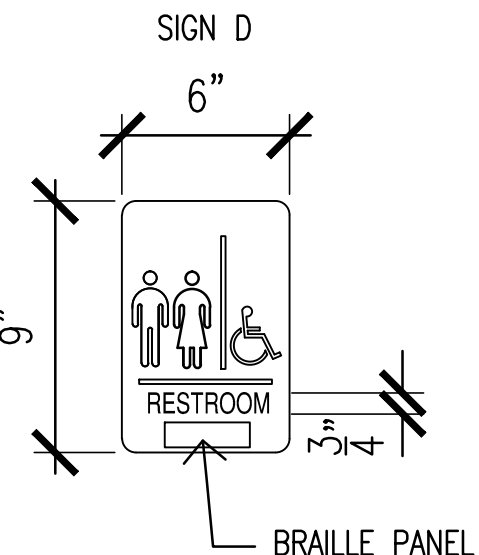
LAVATORY
KNEE AND TOE
CLEARANCE

NOTE: INSULATE HOT WATER SUPPLY AND DRAIN WITH FOAM FORMED BOOT SECURELY ATTACHED

ACCESSIBLE PLUMBING DETAILS
scale: 1/2" = 1'-0"



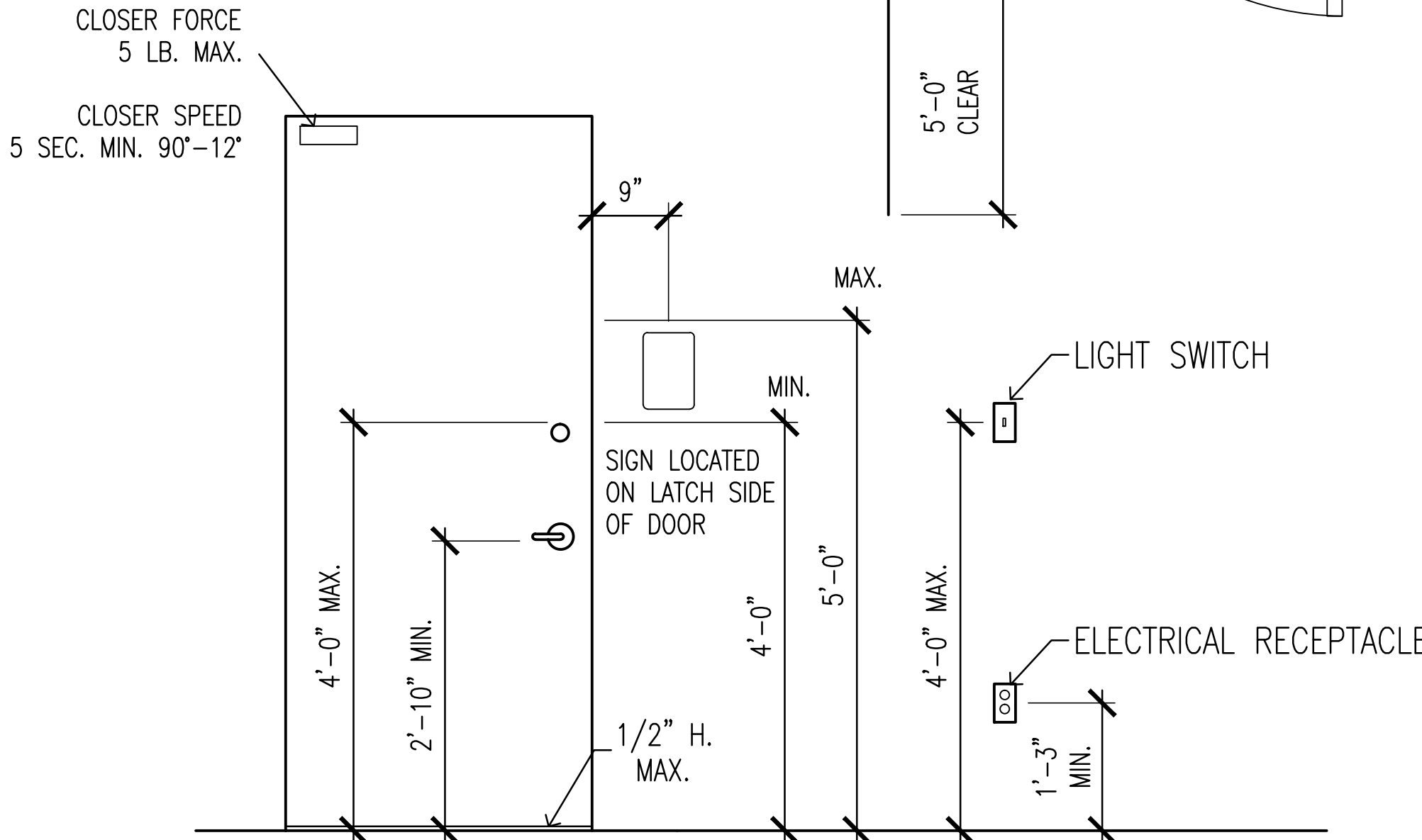
ACCESSIBLE THRESHOLD DETAILS
full scale



SEE FLOOR PLANS FOR LOCATIONS

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

scale is accurate on 24"x36" sheets only

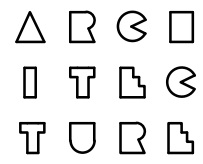
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without Registration Seal

Shelby County Landfill Scale House Project
AL Highway 70
Shelby County, AL.



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

DRAWING DATE	7-10-2024
DRAWN BY	SJC
PROJECT NO.	260314

SHEET NO.	A6
9	OF 11 (A) SHEETS

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NOTE ADA MAX.
COUNTERTOP HEIGHT

NOTE ADA MAX.
COUNTERTOP HEIGHT

DOORS W/ MOUNTED BASE.
NO BASE CABINET

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

CABINETRY PLASTIC LAMINATE: WILSONART 4941K-18 "COSMIC STRANDZ"
SOLID SURFACE SS-1: CORIAN "SILT" COLOR

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

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STATE OF ALABAMA

No. 1933

Stephen J. Coker

Birmingham,
Alabama

REGISTERED ARCHITECT

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Shelby County Landfill Scale House Project
AL Highway 70
Shelby County, AL.

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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
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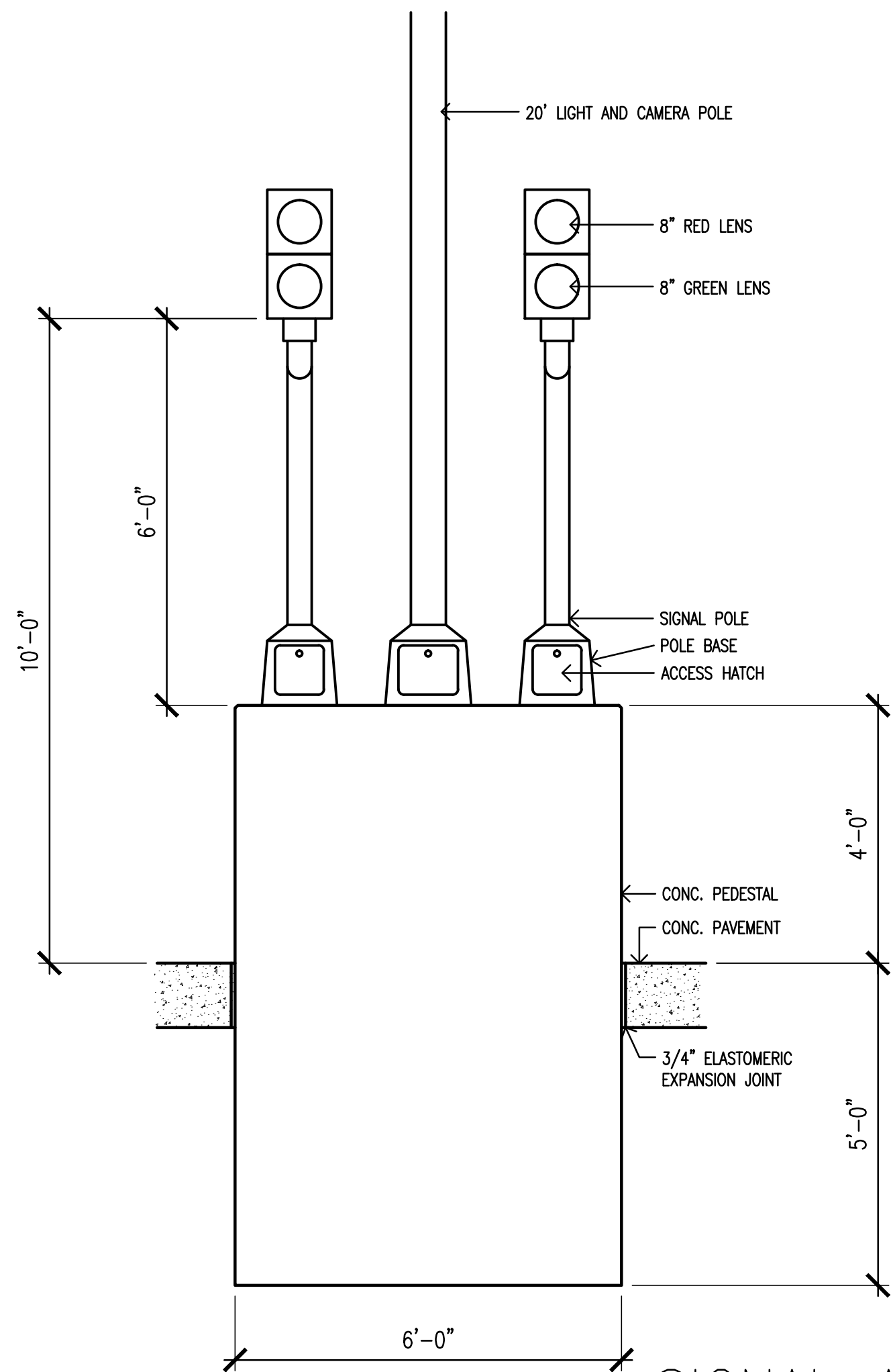
DRAWING DATE	7-10-2024
DRAWN BY	SJC
PROJECT NO.	260314

SHEET NO.

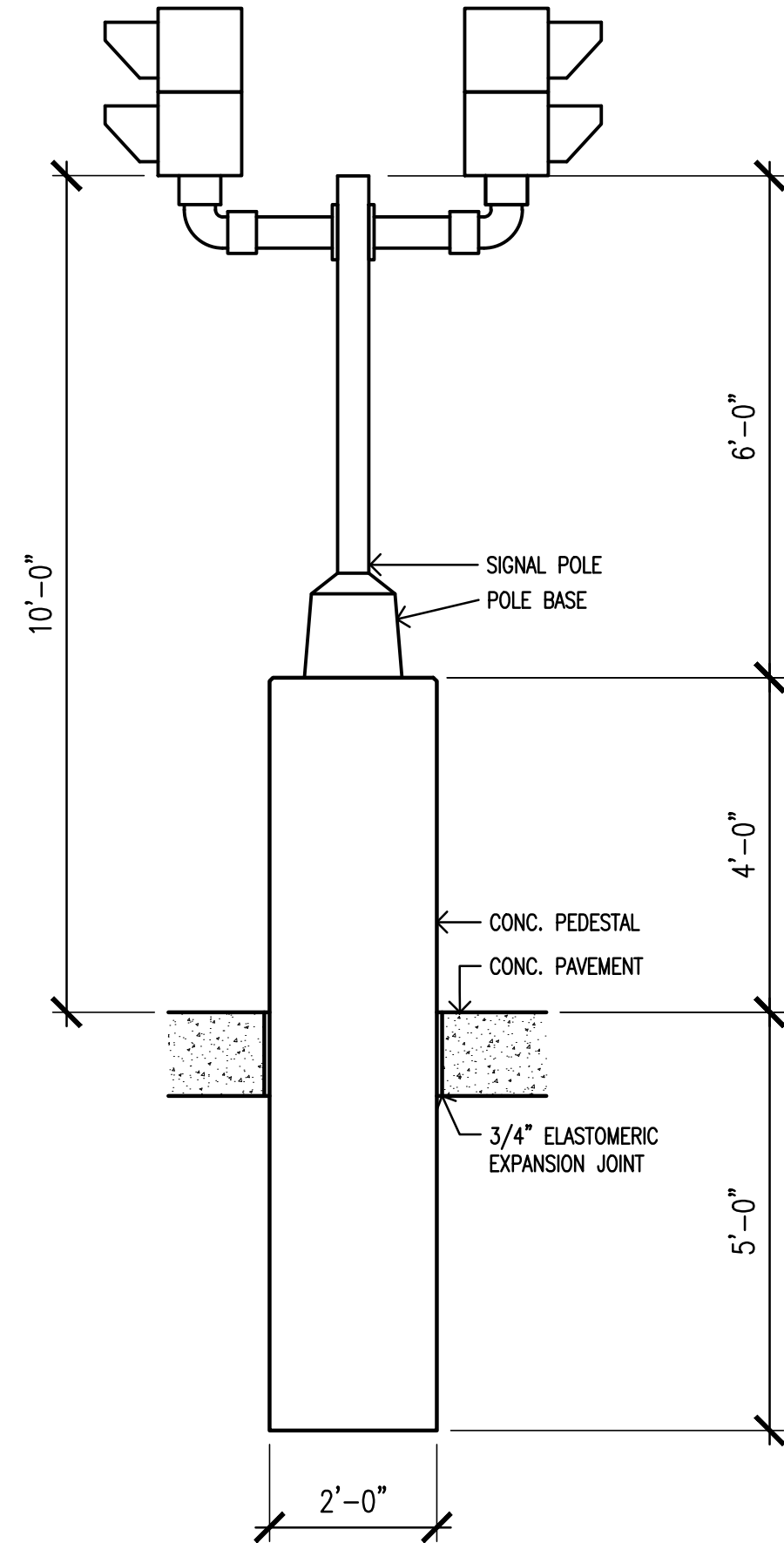
A7

10 OF 11(A) SHEETS

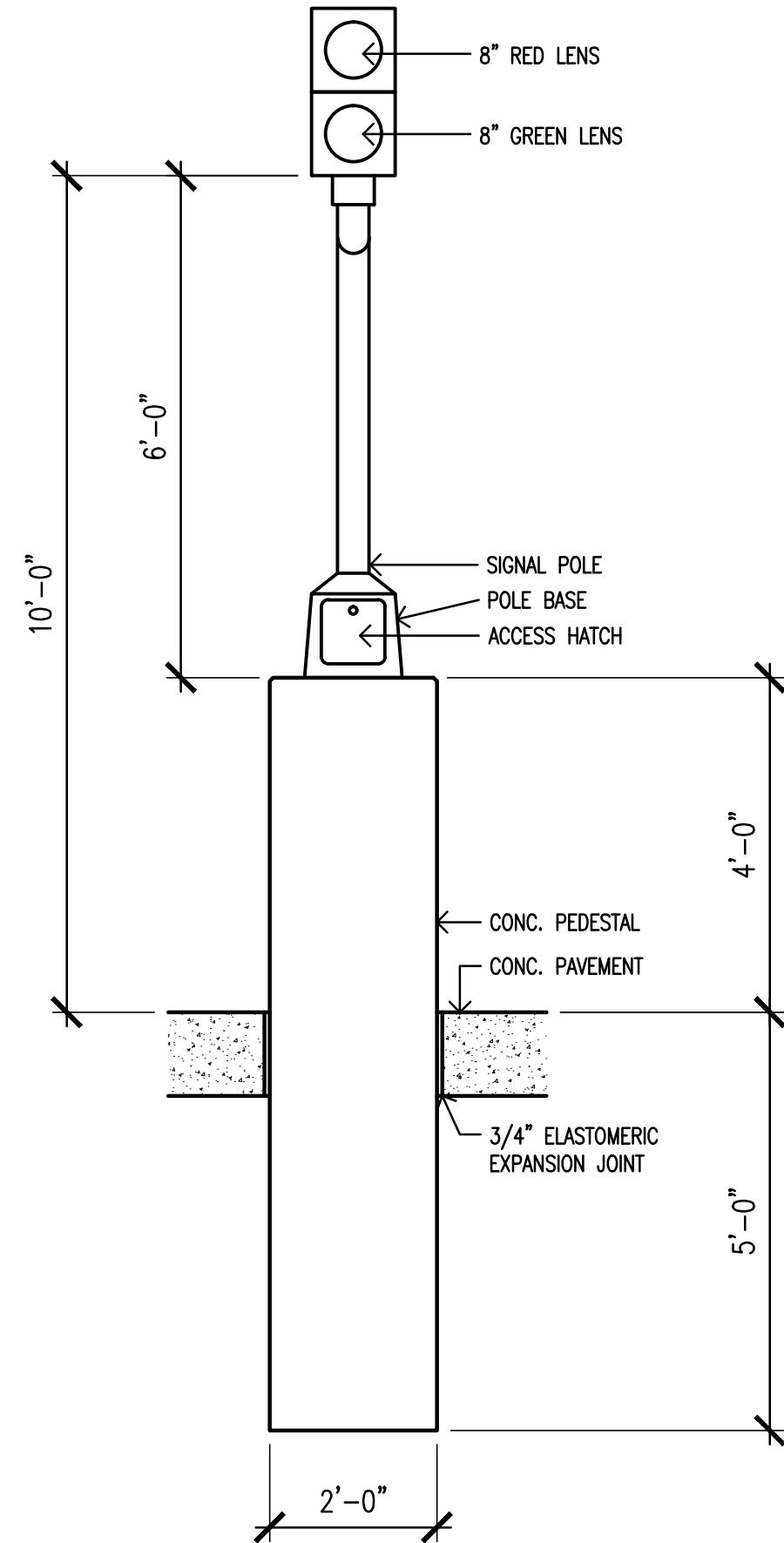
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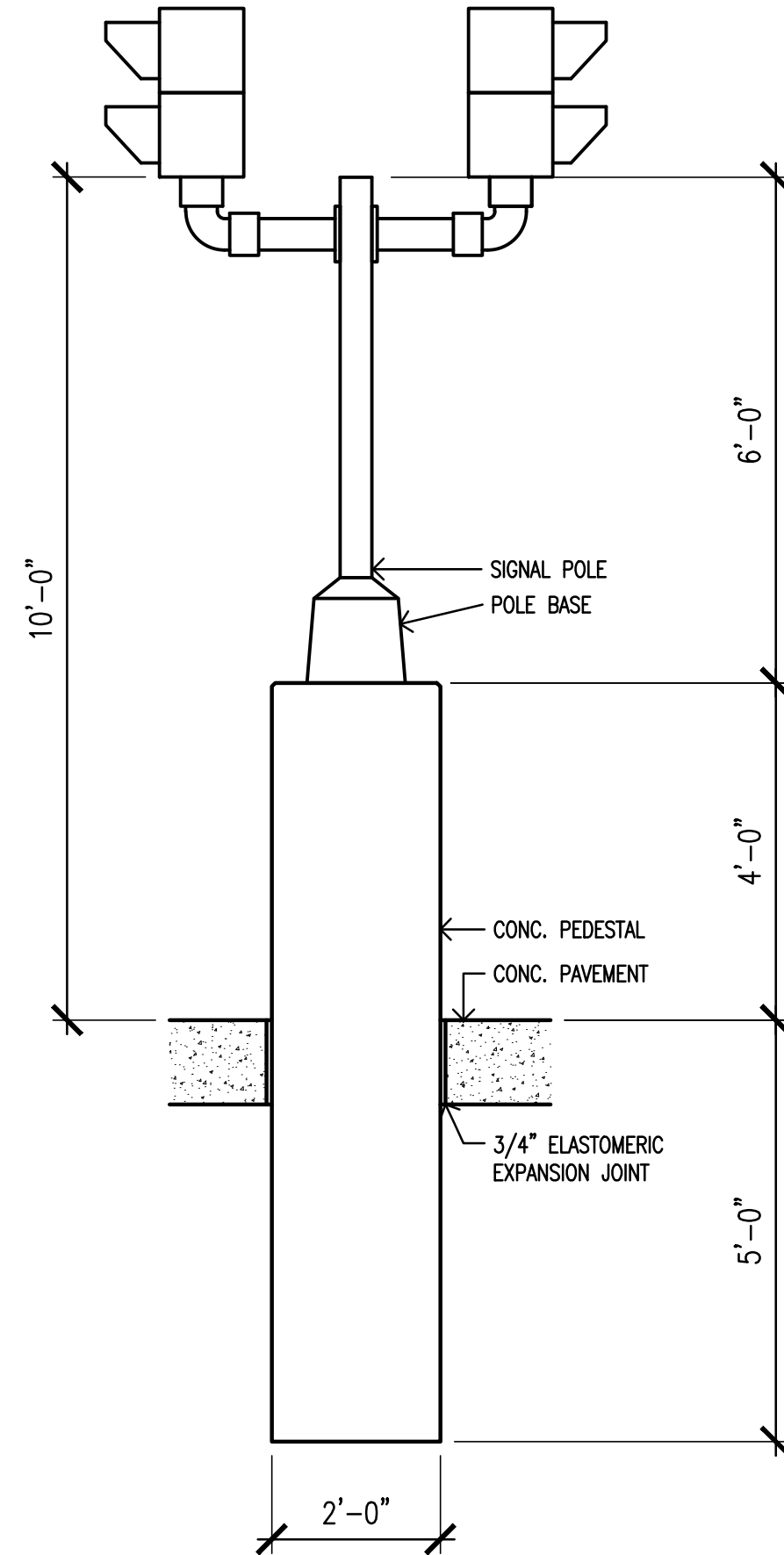
SIGNAL A



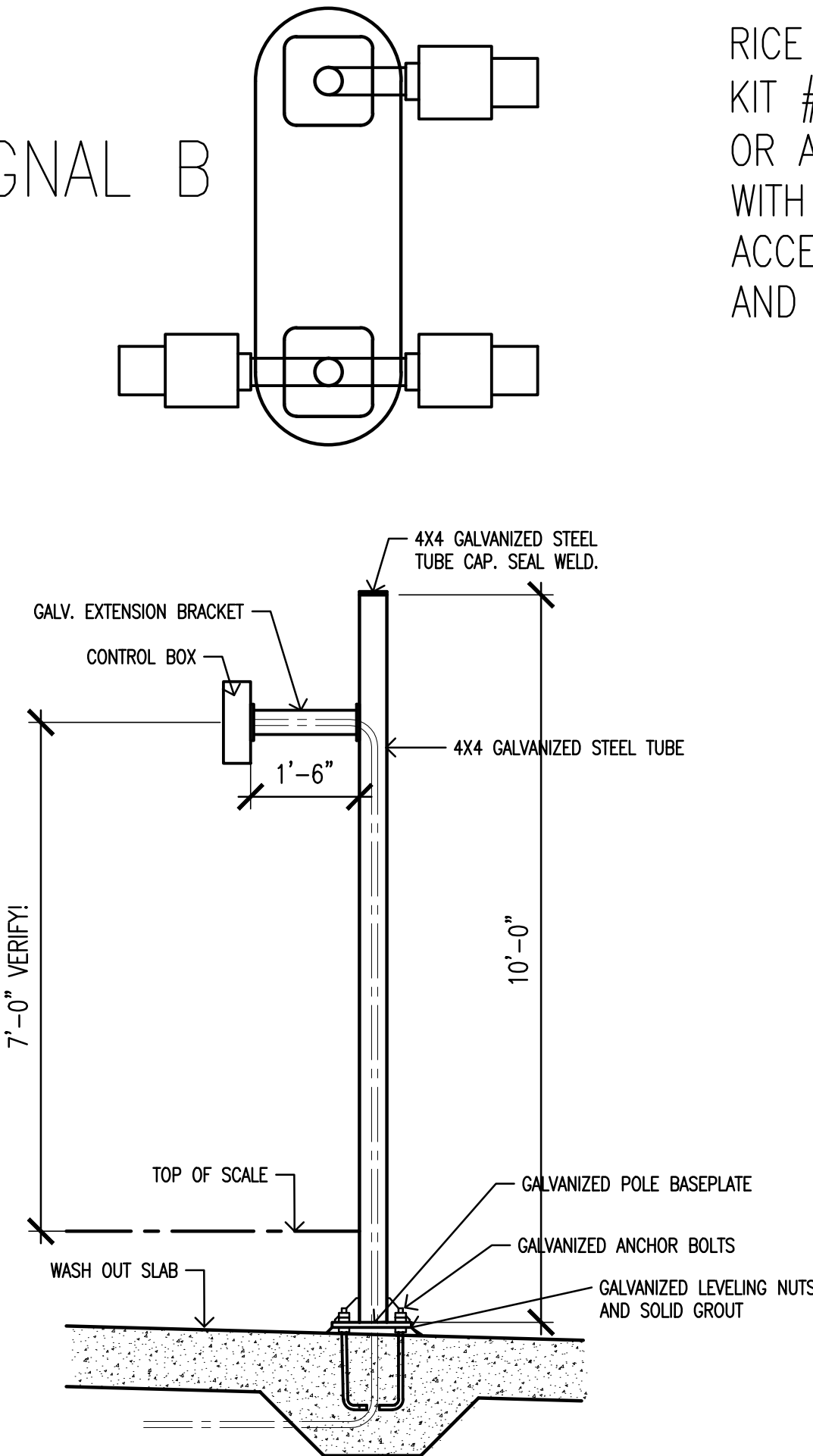
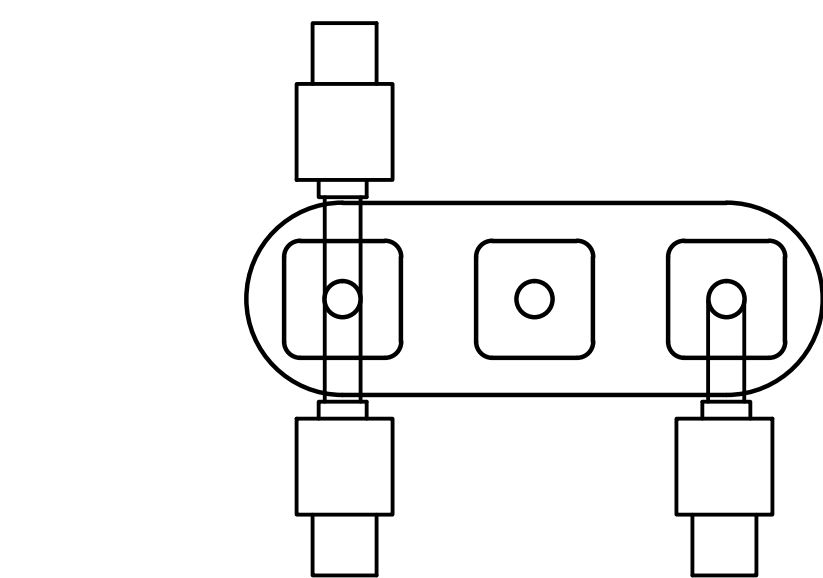
SIGNAL B



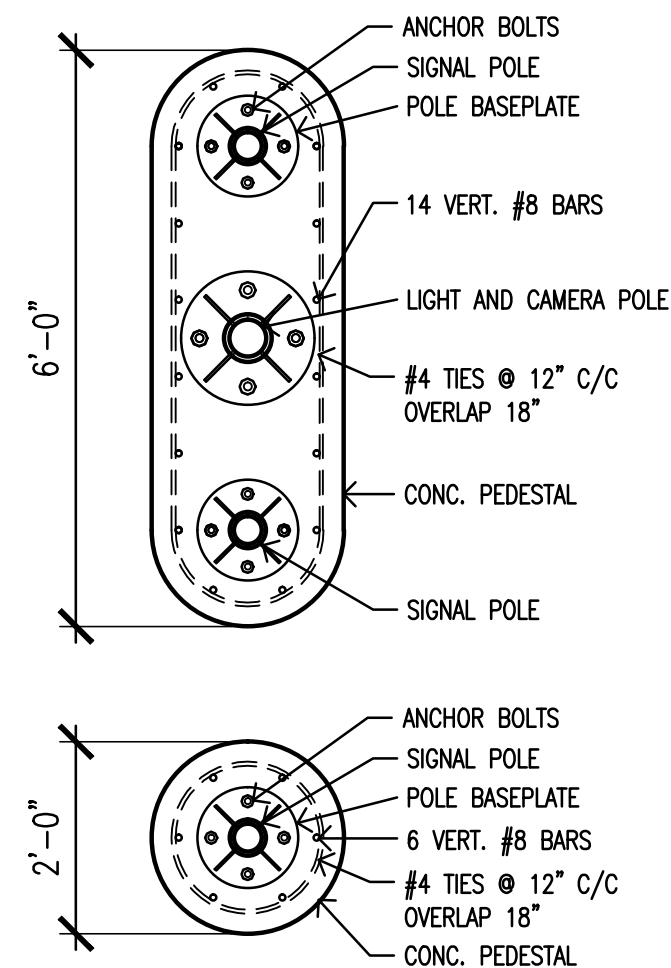
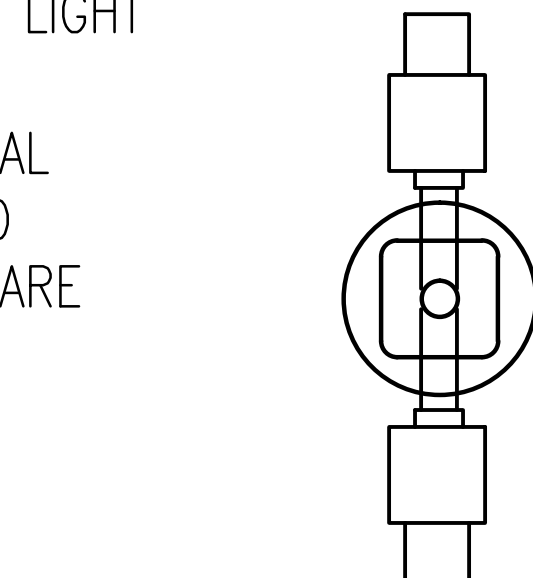
SIGNAL C
SIGNAL D



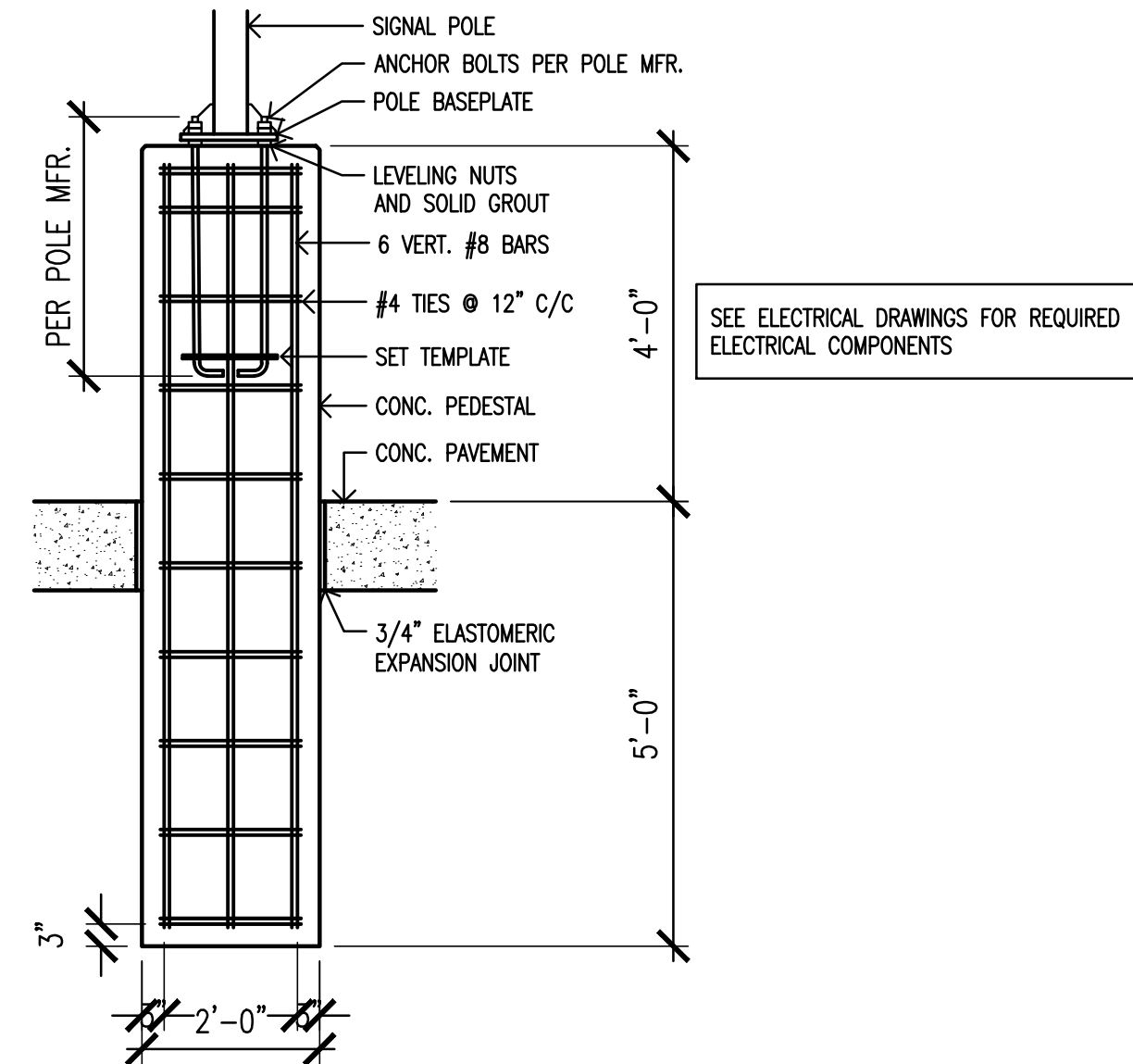
RICE LAKE TRAFFIC LIGHT
KIT # 23146
OR APPROVED EQUAL
WITH ALL REQUIRED
ACCESSORY HARDWARE
AND CONTROLS



REMOTE KIOSKS
scale: 1/2" = 1'-0"
COORDINATE WITH OWNERS KIOSK SUPPLIER



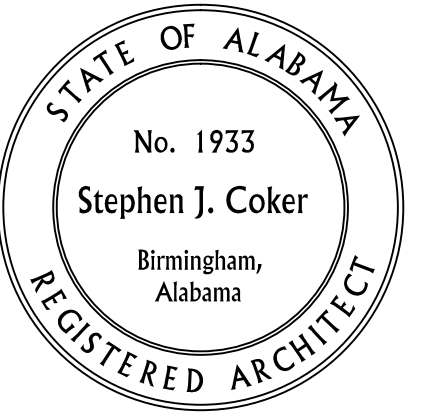
CONCRETE PEDESTAL PLANS & SECTIONS
scale: 1/2" = 1'-0"



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

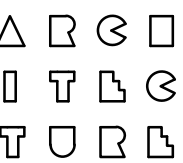
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Shelby County Landfill Scale House Project
AL Highway 70
Shelby County, AL.



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

DRAWING DATE	7-10-2024
DRAWN BY	SJC
PROJECT NO.	260314

SHEET NO.
A8
11 OF 11(A) SHEETS

SHELBY CO. LANDFILL SCALEHOUSE

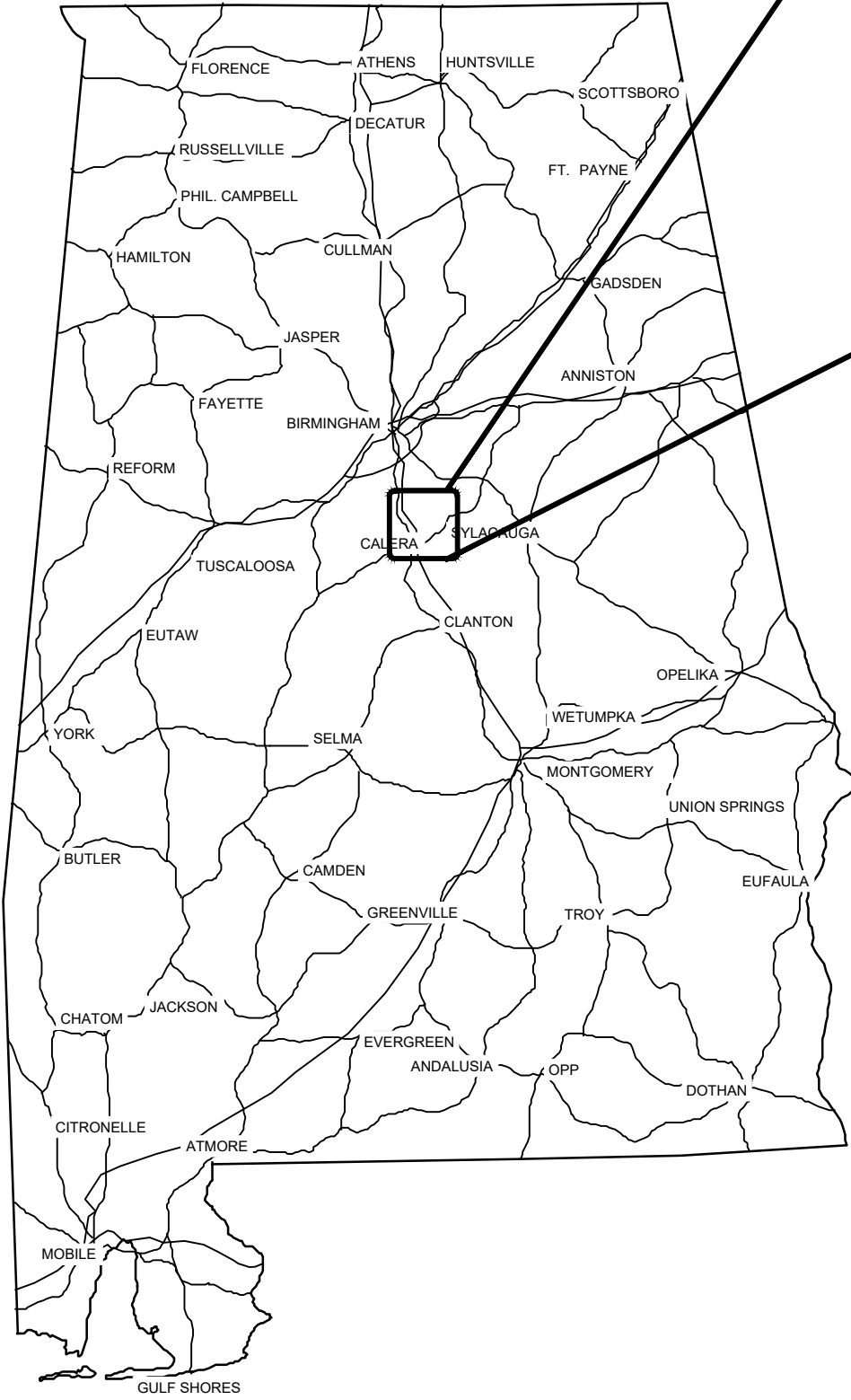
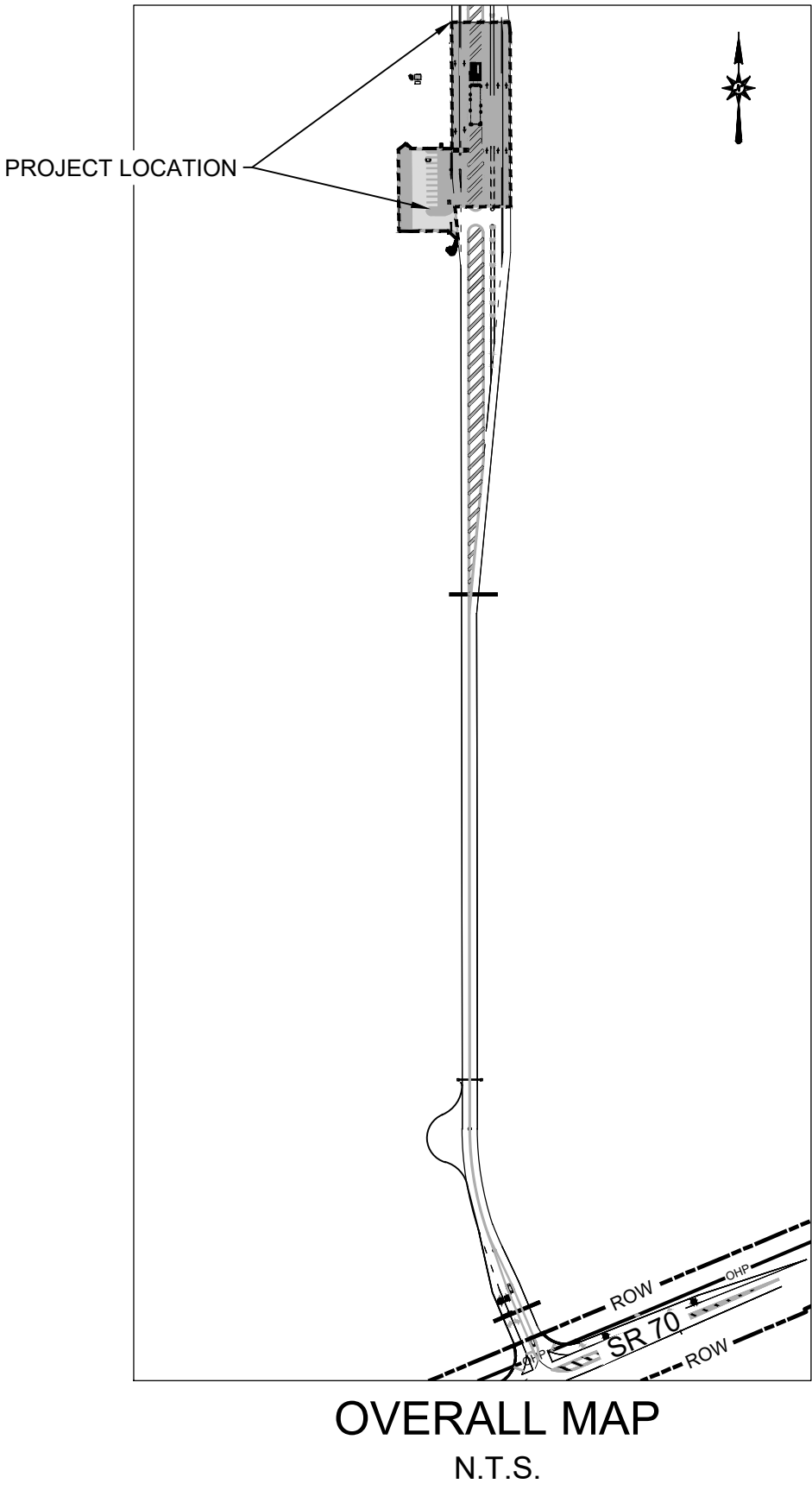
SR 70
COLUMBIANA, AL
GSA PROJECT NO.: 24-0098

PLAN SUBMITTAL HISTORY

SUBMITTAL #	DESCRIPTION	DATE
1		
2		
3		
4		

POINTS OF CONTACT

OWNER/DEVELOPER: TREY GAUNTT-CHIEF FACILITIES MANAGEMENT OFFICER SHELBY COUNTY FACILITIES AND GENERAL SERVICES 280 McDOW ROAD COLUMBIANA, AL 35051 (205) 670-6461 TREY@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	POWER COMPANY: CLAYTON BOWDEN ALABAMA POWER (205) 226-1760 CWBOWDEN@SOUTHERNCO.COM
ARCHITECT: STEPHEN COKER SHELBY COUNTY ARCHITECT LLC 1000 GLEN VIEW RD. BIRMINGHAM, AL 35222 (205) 595-0021 STEVE@COKERARCH.COM	GEOTECHNICAL ENGINEER: BRYAN RITENOUR, P.E. TERRACON CONSULTANTS, INC. 2147 RIVERCHASE OFFICE RD. HOOVER, AL 35244 (205) 942-1289 BRYAN.RITENOUR@TERRACON.COM	STATE DEPARTMENT OF TRANSPORTATION: ANDREW PORTER ALABAMA DEPARTMENT OF TRANSPORTATION 3805 US-31 CALERA, ALABAMA 35040 (205) 668-0173 PORTERA@DOT.STATE.AL.US	SANITARY SEWER COMPANY: CITY OF CALERA SEWER DEPARTMENT 2273 5TH STREET CALERA, AL 35040 (205)668-3880
WATER COMPANY: CITY OF CALERA WATER DEPARTMENT 7901 HIGHWAY 31 CALERA, AL 35040 (205)668-3624	CITY ENGINEERING: BILL HILYER, P.E. CITY OF CALERA 7901 HIGHWAY 31 CALERA, AL 35040 (205)668-3886 BHILYER@CALERA.ORG		



SHEET INDEX MATRIX

SHEET NO.	SHEET TITLE
C000	CIVIL COVER SHEET
C001	GENERAL REQUIREMENTS
C100	SITE DEMOLITION PLAN
C200	SITE LAYOUT PLAN
C201	SITE DIMENSION CONTROL PLAN
C250	SITE SECTIONS & DETAILS
C300	SITE GRADING & DRAINAGE PLAN
C301	SCALE CROSS SECTIONS
C302	SCALE CROSS SECTIONS
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 - PHASE I
C504	CBMPP - PHASE II & PHASE III
C550	CBMPP DETAILS
C551	CBMPP DETAILS

BID SET
PLOT DATE: 07/23/2024



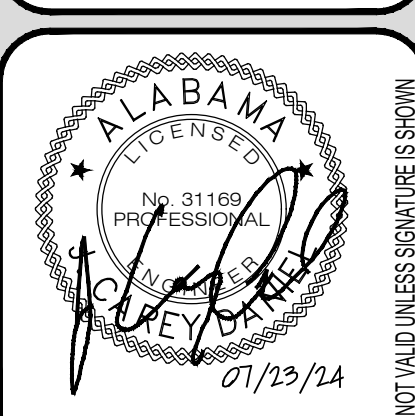
NO.	REVISIONS	DESCRIPTION	DATE
0			7/23/2024
1			
2			
3			
4			

CIVIL COVER SHEET
SHELBY CO. LANDFILL SCALEHOUSE
SR 70
COLUMBIANA, AL
SHELBY CO. FACILITIES
COLUMBIANA, AL

GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL ENGINEERING - TRANSPORTATION ENGINEERING - LAND SURVEYING
LAND PLANNING - LANDSCAPE ARCHITECTURE
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
HOOVER, ALABAMA 35244
PHONE: (205) 942-2486
FAX: (205) 942-3033
www.Gonzalez-Strength.com

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DWG. NO. C000 R 0
PROJECT 24-0098

GENERAL NOTES:

1. LIDAR TOPOGRAPHY PROVIDED BY SHELBY COUNTY. IF CONTRACTOR DOES NOT ACCEPT THE INFORMATION AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MENSE, A BOUNDARY AND/OR TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
2. 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.
3. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK, INCLUDING LANDSCAPING.
4. 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.
5. 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.
6. 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.
7. MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY.
8. CONTRACTOR SHALL REVIEW SOIL REPORTS AND BORINGS PRIOR TO BIDDING THE PROJECT AND COMMENCING CONSTRUCTION.
9. 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.
10. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS, & UTILITY ENTRANCES.
11. 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.
12. SEE COVER SHEET FOR LIST OF UTILITY COMPANIES AND CONTACT PERSONS.
13. ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THE CONSTRUCTION OF THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.
14. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
15. ALL WORK AND MATERIAL SHALL COMPLY WITH ALL REGULATORY AGENCY'S REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
16. 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:

1. 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.
2. CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION ENTRANCE PRIOR TO ANY EARTHWORK OPERATIONS.
3. SILT FENCES SHALL BE CLEANED OR REPLACED WHEN TRAPPED SEDIMENT REACHES 50 PERCENT OF THE ABOVE GROUND FENCE HEIGHT OR PER MANUFACTURER'S SPECIFICATIONS.
4. 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.
5. 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.
6. ADDITIONAL DEVICES MAY BE REQUIRED AS DEEMED NECESSARY BY GOVERNING AUTHORITIES.
7. 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.
8. 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.
9. 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.
10. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE COMPLIANCE WITH ALL PERMIT REQUIREMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, INSPECTION REQUIREMENTS.

GENERAL DEMOLITION NOTES & SPECIFICATIONS:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS REQUIRED TO CARRY OUT THE WORK AS SHOWN ON THE DEMOLITION PLAN.
2. THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING UTILITIES PRIOR TO DEMOLITION AND EXCAVATION.
3. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION OF HAZARDOUS MATERIALS.
4. CONTRACTOR IS RESPONSIBLE FOR ALL REGISTRATIONS, PERMITS AND FEES REQUIRED TO REMOVE AND PROPERLY DISPOSE OF ALL DEMOLITION MATERIALS.
5. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVALS AND NOTIFICATIONS TO ALL LOCAL, STATE AND FEDERAL AUTHORITIES.
6. 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.
7. 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 NOT RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
 8. 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.
 9. 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.
 10. 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.
 11. ALL EXISTING SERVICE LINES FOR TELEPHONE, ELECTRIC, SEWER, AND CABLE TELEVISION SERVICES ARE TO BE REMOVED TO EXISTING TRUNK LINES UNLESS OTHERWISE NOTED.
 12. ALL EXISTING FENCES, SIGNS, POWER POLES, AND LIGHT POLES LOCATED ON-SITE SHALL BE DEMOLISHED AND REMOVED UNLESS OTHERWISE NOTED.
 13. 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.
 14. 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.
 15. 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.
 16. 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.
 17. 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.
 18. CONTRACTOR IS RESPONSIBLE FOR WALKING SITE AND DETERMINING EXTENTS OF DEMOLITION WORK PRIOR TO BID DATE.
 19. 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.
 20. 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.
 21. 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.
 22. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.
 23. CONTRACTOR TO MAINTAIN AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING DEMOLITION OPERATIONS.
 24. 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.
 25. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
 26. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
 27. DO NOT BURN DEMOLISHED MATERIALS.
 28. IT IS UNDERSTOOD THAT ALL ABOVE GROUND ITEMS TO BE REMOVED INCLUDE THEIR ASSOCIATED BELOW GROUND COMPONENTS (I.E. FOUNDATIONS, UTILITY CONNECTIONS, ETC.)
 29. ALL TREES INSIDE THE LIMITS OF DISTURBANCE ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
 30. 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:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.
7. CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT.
8. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND IMPROVEMENTS SHALL BE CONSTRUCTED TO THE SAME.

DIMENSION NOTES:

1. ALL BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF BUILDING.
2. ALL CURB DIMENSIONS ARE TO FACE OF CURB.

PAVING & STRIPING NOTES:

1. NOTIFY OWNER 3 DAYS PRIOR TO POUR OF INITIAL SECTION OF DRIVEWAY PAVING. CLIENT REPRESENTATIVE TO APPROVE INITIAL POUR.
2. 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.
3. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" LATEST EDITION.
4. 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.
5. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR PARKING STALLS, ACCESSIBLE PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING.
6. 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.
7. ALL ACCESSIBLE RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT OF 2010.
8. CONTRACTOR TO SUBMIT A POURING PLAN TO THE CONSTRUCTION MANAGER PRIOR TO THE BEGINNING OF ANY PAVING WORK.
9. PAVING CONTRACTOR TO COORDINATE WITH BUILDING CONTRACTOR ON THE CONSTRUCTION AND PAVING NEAR THE SCREENING WALLS AND THE DUMPSTER PADS.
10. 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 DRAINAGE PONDING IN SUBGRADE OF AREAS TO BE PAVED, AND NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE FOUND PRIOR TO INSTALLATION OF ANY PAVING.
11. 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.
12. ALL JOINTS SHALL EXTEND THROUGH THE CURB.
13. COMPACTION SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
14. ALL PAVEMENT TO BE SLOPED FOR POSITIVE DRAINAGE.
16. ALL RIGHT-OF-WAY STRIPING SHALL BE THERMOPLASTIC.
17. ALL PAINT STRIPING SHALL BE APPLIED IN TWO EQUAL COATS TO A TOTAL THICKNESS OF 15 MILS.

GRADING PLAN NOTES:

1. EXISTING CONTOURS INTERVAL IS SHOWN AT ONE FOOT (1').
2. 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.
3. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
5. 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.
6. 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.
7. 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.
8. 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.
9. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
10. CONTRACTOR SHALL TRIM, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
11. REFERENCE STRUCTURAL SPECIFICATIONS AND GEOTECHNICAL REPORT FOR BUILDING PAD PREPARATION AND COMPACTION.
12. CONTRACTOR TO REVIEW BORING LOGS PROVIDED BY THE CLIENT.
13. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING AND COVERS.
14. 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.
15. 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.
16. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING AND FOR ALL NATURAL AND PAVED AREAS.
17. 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:

1. ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE SEALED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
2. REFERENCE DETAIL SHEETS FOR STORM WATER DETAILS.
3. 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 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:

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES (ABOVE AND BELOW GROUND) AS SHOWN ON THESE PLANS IS BASED ON RECORD OR 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.

2. 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.
3. 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.
4. 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.
5. CONTRACTOR SHALL REFER TO ARCHITECTS 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.
6. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY, & TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER AND TELEPHONE SERVICE TO BUILDING.
7. SEE DETAIL SHEETS FOR BACKFILLING AND COMPACTION REQUIREMENTS ON UTILITY TRENCHES.
8. 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.
9. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ASSURE PROPER DEPTH AND PREVENT ANY CONFLICT OF UTILITIES.
10. 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.
11. CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
12. CONTRACTOR SHALL ON ALL UTILITIES, COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
13. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND OWNERS INSPECTING AUTHORITIES.
14. 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.
15. 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.
16. CONTRACTOR TO COORDINATE WITH SIGNAGE CONTRACTOR AND ARCHITECT FOR EXACT LOCATION OF SIGNAGE, REQUIRED ELECTRICAL CONDUITS, FOUNDATIONS, ETC.
17. CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.



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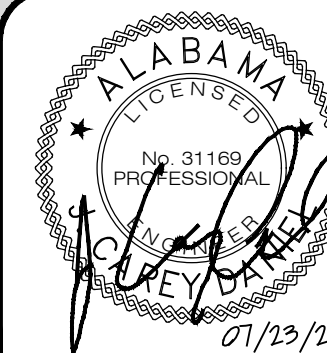
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GENERAL REQUIREMENTS

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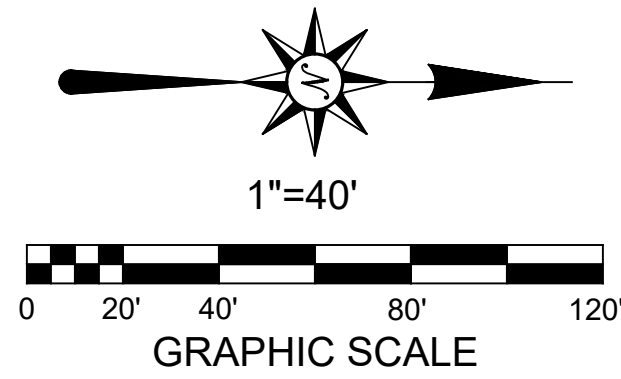
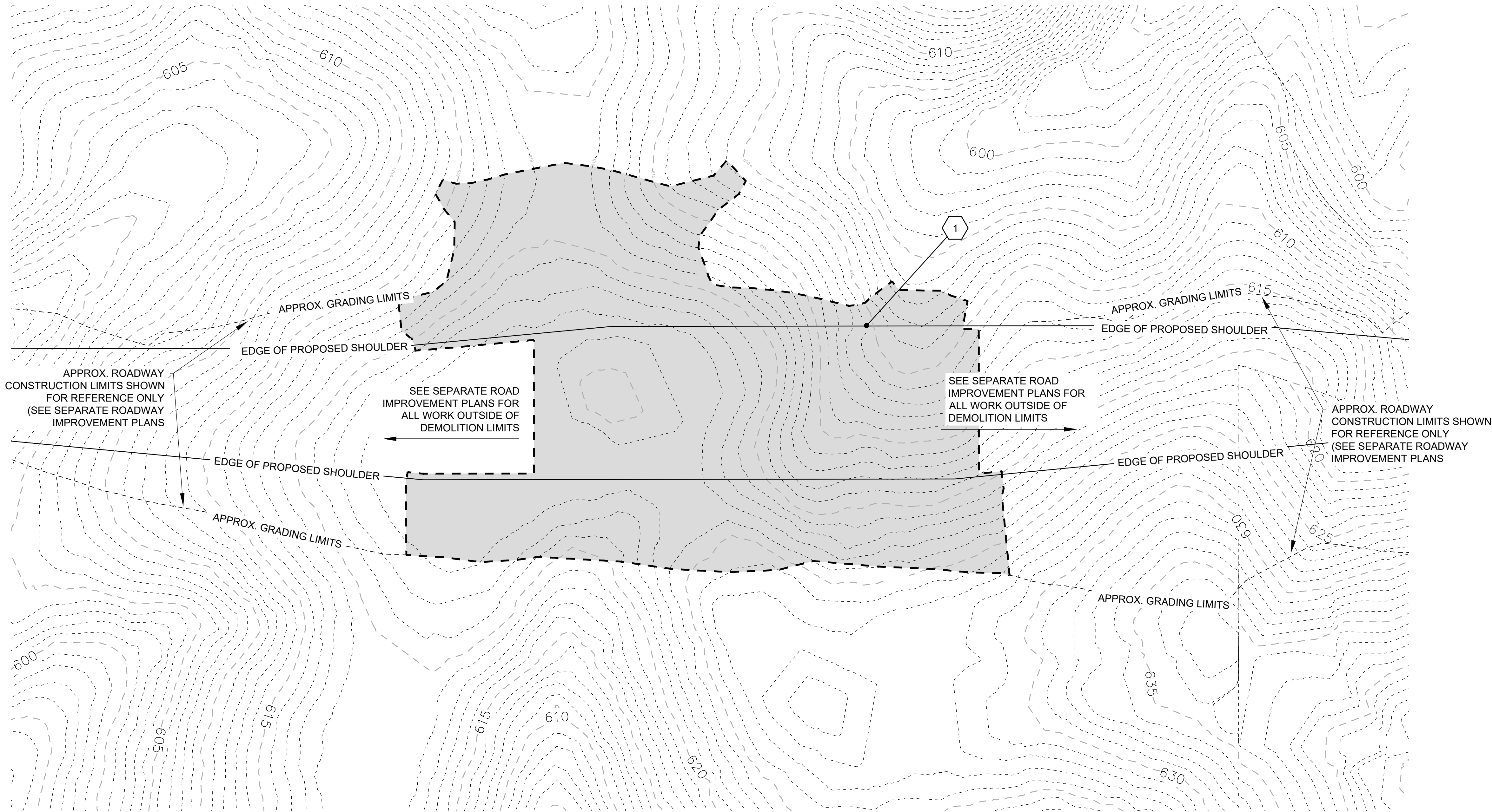


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DEMOLITION LEGEND

-  DEMOLITION LIMITS, 1.59-ACRES±.
SEE CBMPP FOR MORE DETAILS/INFORMATION.

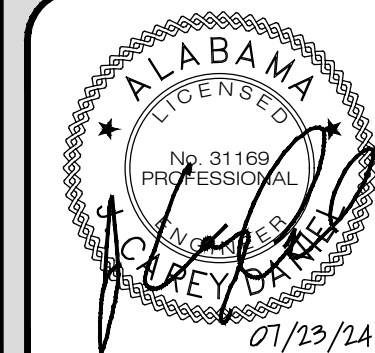


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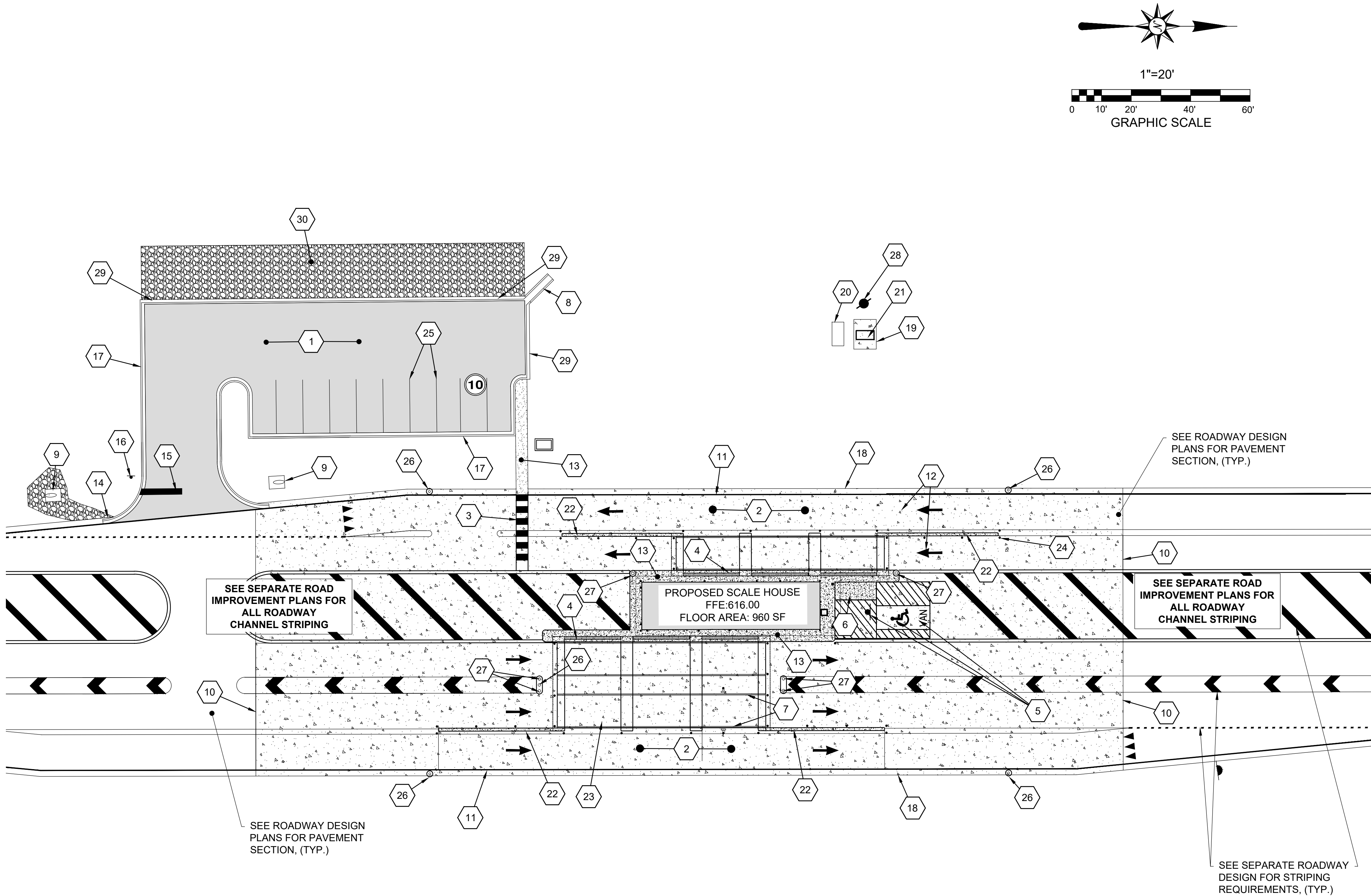
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COLUMBIA, AL
SHELBY CO. FACILITIES
COLUMBIA, AL

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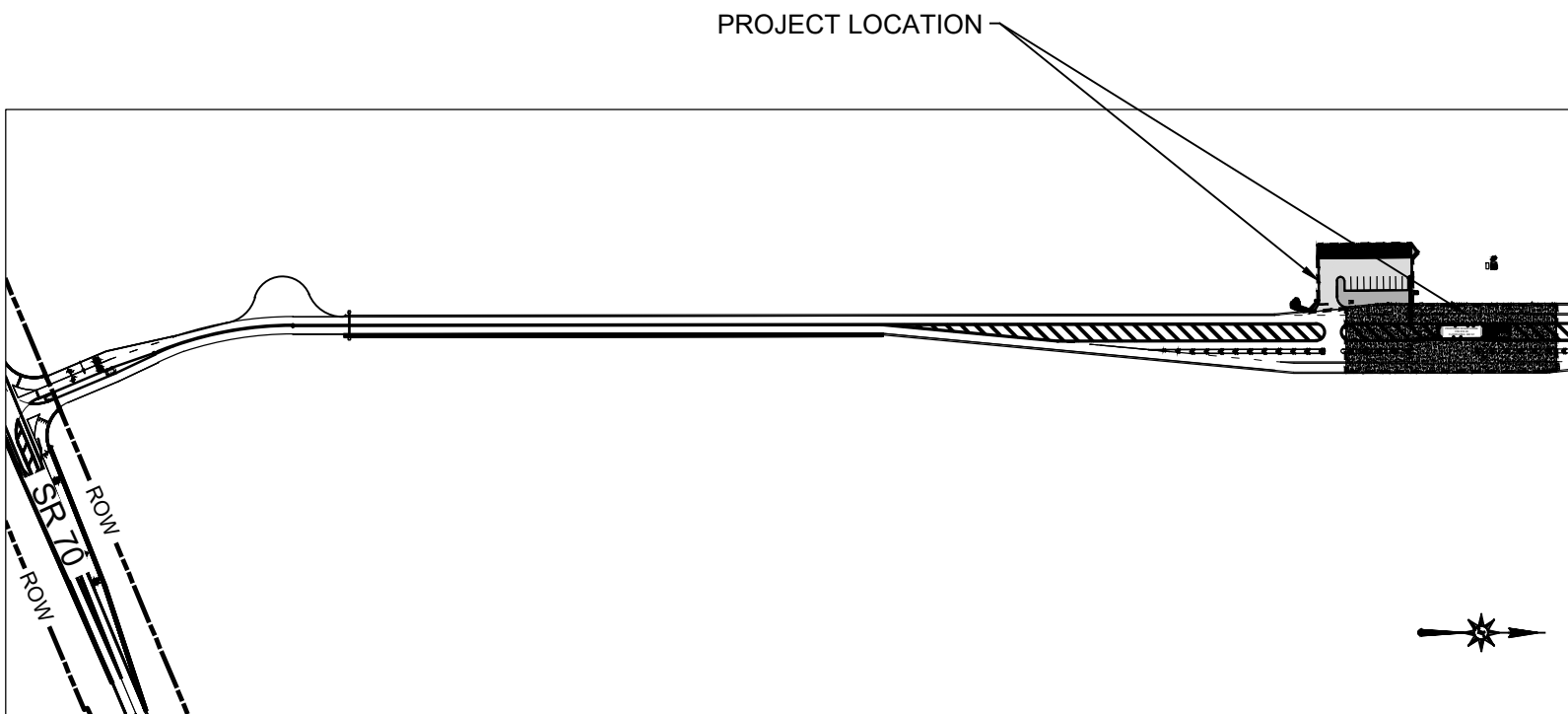


LAYOUT LEGEND

- 1 STANDARD DUTY ASPHALT PAVEMENT. SEE DETAIL SHEET C250. SUBGRADE BY OTHERS.
- 2 HEAVY DUTY CONCRETE PAVEMENT. SEE ARCH PLANS AND SEPARATE ROADWAY IMPROVEMENT PLANS FOR DETAILS.
- 3 PEDESTRIAN CROSSWALK REQ'D. SEE DETAIL SHEET C250.
- 4 PROPOSED 12" WIDE TRENCH DRAINS WITH 36" REMOVABLE SECTIONS, SHOWN AS REFERENCE ONLY. SEE ARCH PLANS FOR DETAILS AND EXACT LOCATION. (TYP.)
- 5 ACCESSIBLE SIGN, SYMBOL, AND AISLE REQ'D. TYPICAL. SEE DETAIL SHEET C250.
- 6 ACCESSIBLE RAMP REQ'D. RAMP SHALL RISE 8" IN 14'.
- 7 PROPOSED WHEEL RAILS, SHOWN AS REFERENCE ONLY. SEE ARCH PLANS FOR DETAILS AND EXACT LOCATION. (TYP.)
- 8 6" DEEP, 2-FT WIDE CONCRETE FLUME REQ'D. (TYP.). SEE GRADING PLAN FOR ELEVATIONS, AND DETAIL SHEET C251.
- 9 SLOPED PAVED HEADWALL, TYP. SEE GRADING PLAN AND DETAIL SHEET C350.
- 10 PROPOSED CONCRETE PAVEMENT TO TIE INTO PROPOSED ASPHALT WITH SMOOTH TRANSITION AND MATCH GRADE. ENSURE NO PONDING OF WATER. (TYP.). SEE DETAIL SHEET C251.
- 11 4" WIDE SOLID WHITE THERMOPLASTIC STRIPE REQ'D. TYPICAL. SEE SEPARATE ROADWAY IMPROVEMENTS PLAN FOR STRIPING CONTINUATION OUTSIDE OF SCALEHOUSE IMPROVEMENTS.
- 12 DIRECTIONAL ARROWS REQ'D. TYPICAL. SEE DETAIL SHEET C250.
- 13 CONCRETE SIDEWALK REQ'D. SEE DETAIL SHEET C251.
- 14 CURB TO TRANSITION FROM 6" TO 0" IN 10-FT. TIE-IN DRIVEWAY GUTTER TO EDGE OF TRAVEL LANE WITH SMOOTH TRANSITION. ENSURE NO PONDING OF WATER (TYP.).
- 15 24" SOLID WHITE THERMOPLASTIC STOP BAR REQ'D. (TYP.)
- 16 R1-1 STOP SIGN REQ'D (TYP). SEE DETAIL SHEET C250.
- 17 18" STANDARD CURB AND GUTTER REQ'D (TYP). SEE DETAIL SHEET C250.
- 18 PROPOSED EDGE OF PAVEMENT (TYP).
- 19 6" THICK, 3,000 PSI MIN. CONCRETE PAD REINFORCED W/ FIBER. (TYP.)
- 20 SEPTIC TANK PROVIDED BY SHELBY COUNTY, SHOWN FOR REFERENCE ONLY. SEE UTILITY PLAN FOR MORE INFORMATION.
- 21 GENERATOR REQ'D, SEE MEP PLANS FOR DETAILS AND SPECIFICATIONS
- 22 CONCRETE WALL REQ'D. (HEIGHT VARIES). SEE GRADING PLAN FOR ELEVATIONS. SEE ARCH PLANS FOR DETAILS.
- 23 SCALES BY OTHERS, (TYP.) SEE ARCH. DRAWINGS FOR DETAILS AND SPECIFICATIONS
- 24 6" BOLLARD REQ'D, (TYP.) SEE ARCH PLANS FOR EXACT LOCATION AND DETAILS.
- 25 4" WHITE PARKING STRIPING REQ'D, (TYP.)
- 26 PROPOSED 20' LIGHT AND CAMERA POLE ON 4' CONCRETE PEDESTAL, SHOWN AS REFERENCE ONLY. SEE ARCH PLANS FOR DETAILS AND EXACT LOCATIONS, (TYP. OF 5)
- 27 TRAFFIC SIGNAL ON 4-FT PEDESTAL. SEE ARCH PLANS FOR DETAILS AND EXACT LOCATIONS, (TYP. OF 6)
- 28 PROPOSED POWER POLE. SEE UTILITY PLAN.
- 29 18" VALLEY GUTTER REQ'D. SEE DETAIL SHEET C250
- 30 #57 STONE PAVING OVERFLOW PARKING AREA. SEE DETAIL SHEET C250. SUBGRADE BY OTHERS.

PAVING LEGEND

- CONCRETE SIDEWALK REQ'D., TYPICAL. SEE 07/C251.
- STANDARD DUTY ASPHALT PAVEMENT REQ'D., TYPICAL. SEE 07/C251.
- HEAVY DUTY CONCRETE PAVEMENT REQ'D., TYPICAL. SEE 08/C251.



OVERALL MAP
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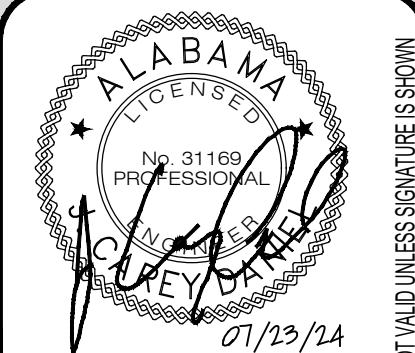
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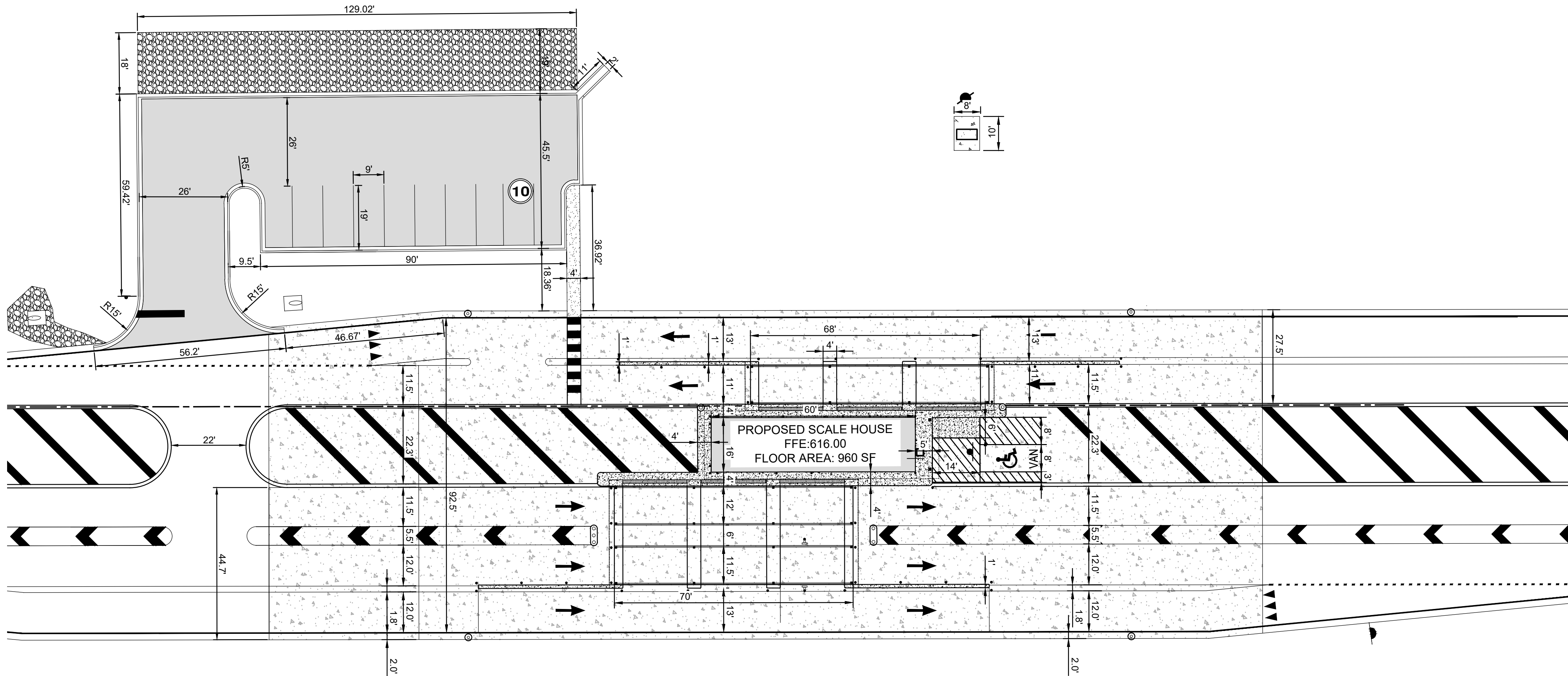
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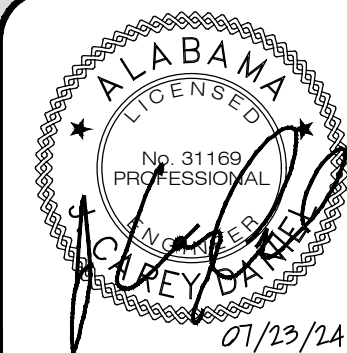


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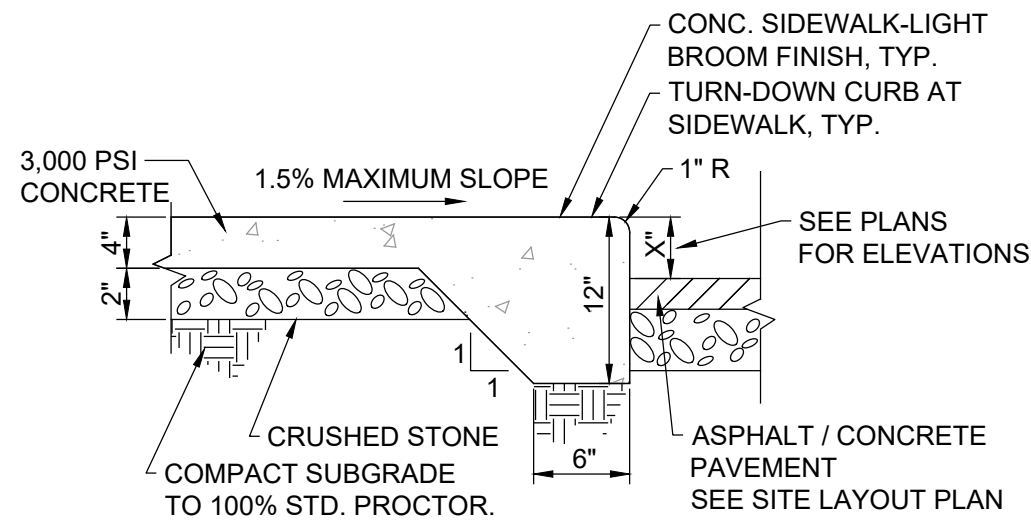
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SITE DIMENSION CONTROL PLAN

SHELBY CO. LANDFILL SCALEHOUSE

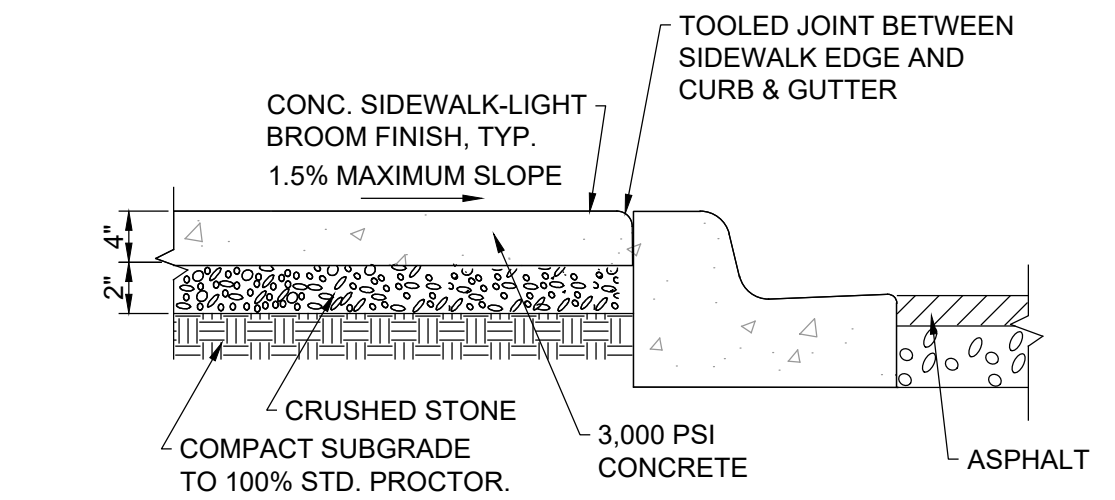
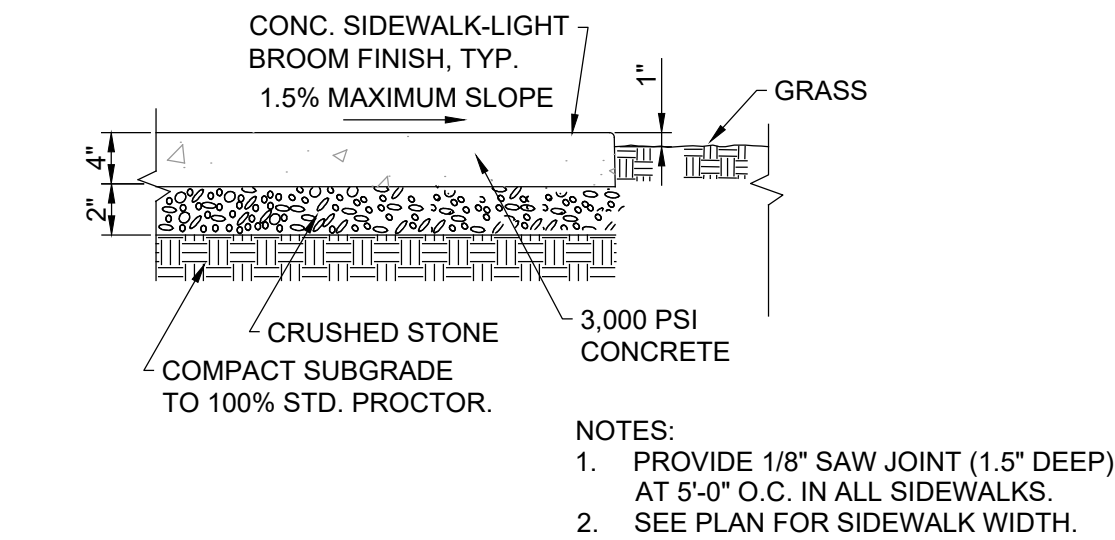
SR 70
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0	ISSUE FOR BID	7/23/2024
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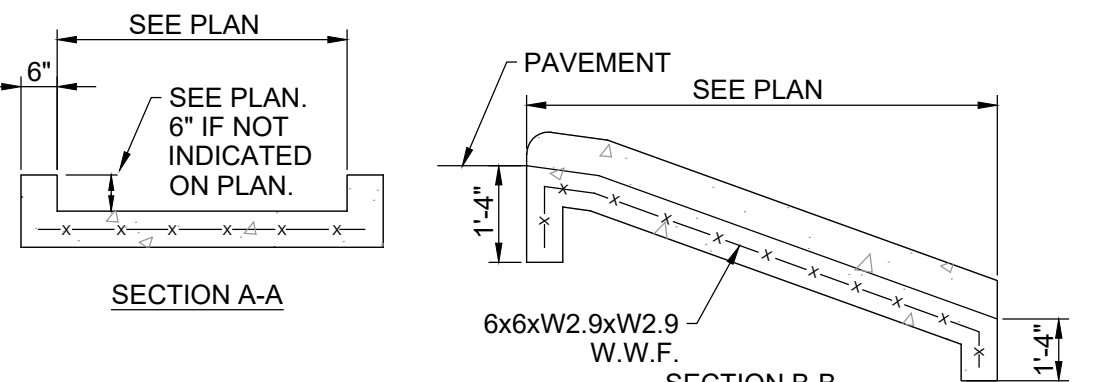
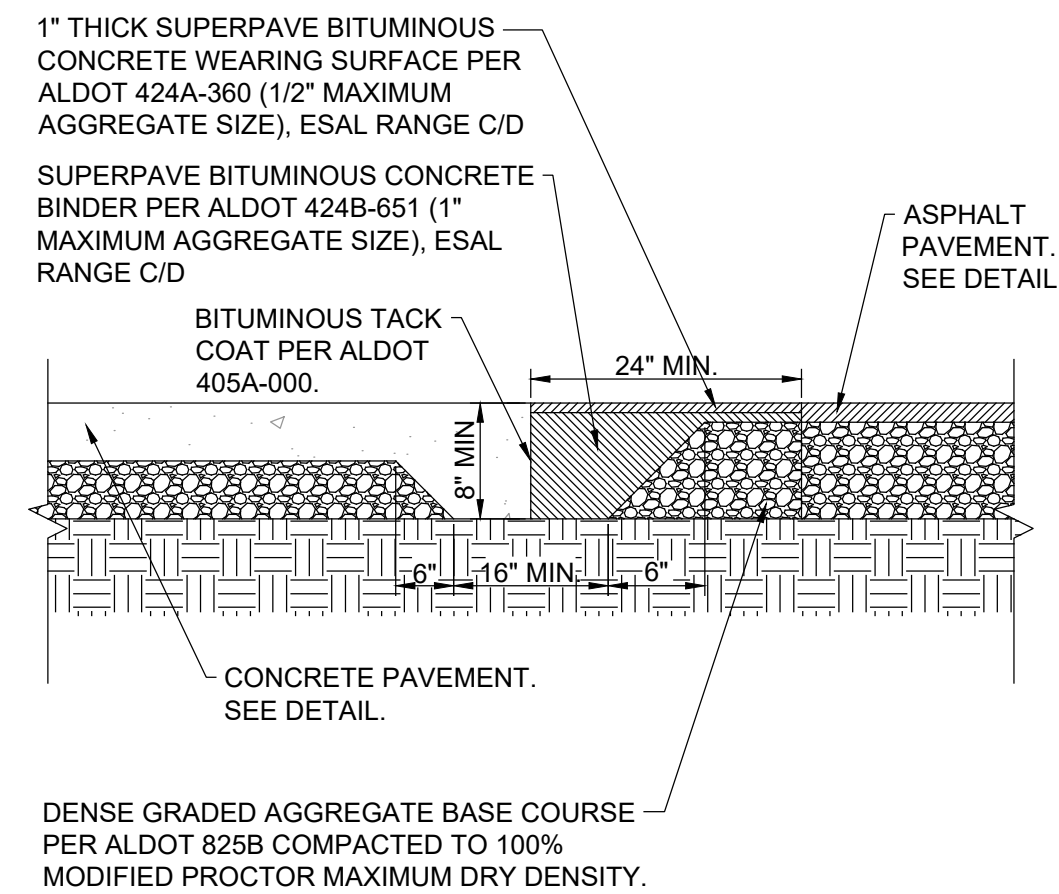
01 CONCRETE SIDEWALK DETAIL

N.T.S.



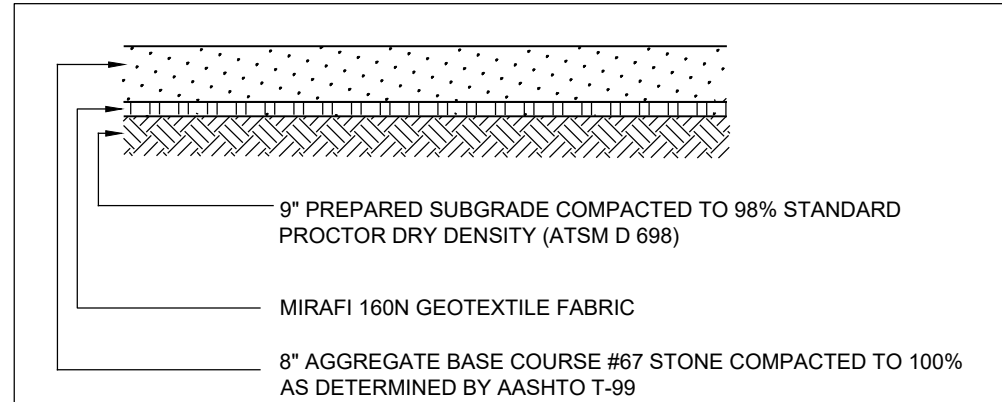
03 ASPHALT / CONCRETE TURNDOWN DETAIL

N.T.S.



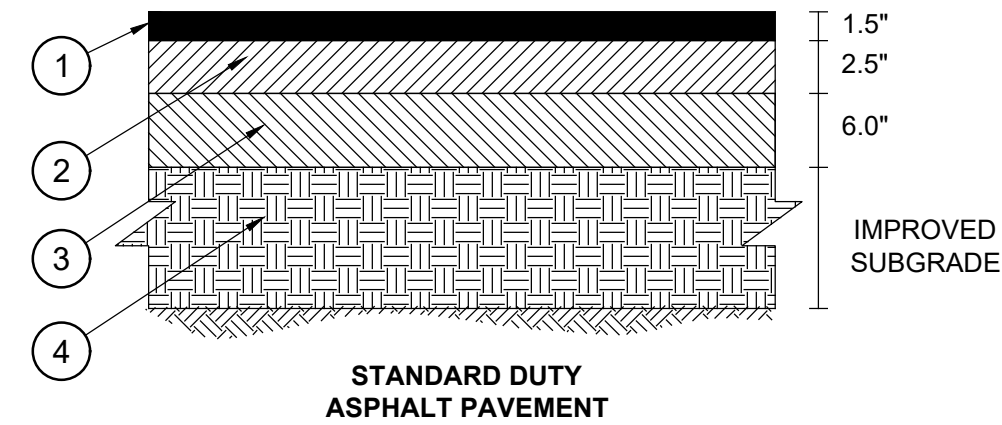
05 CONCRETE FLUME AT CURB DETAIL

N.T.S.



01 STONE PAVING DETAIL

N.T.S.

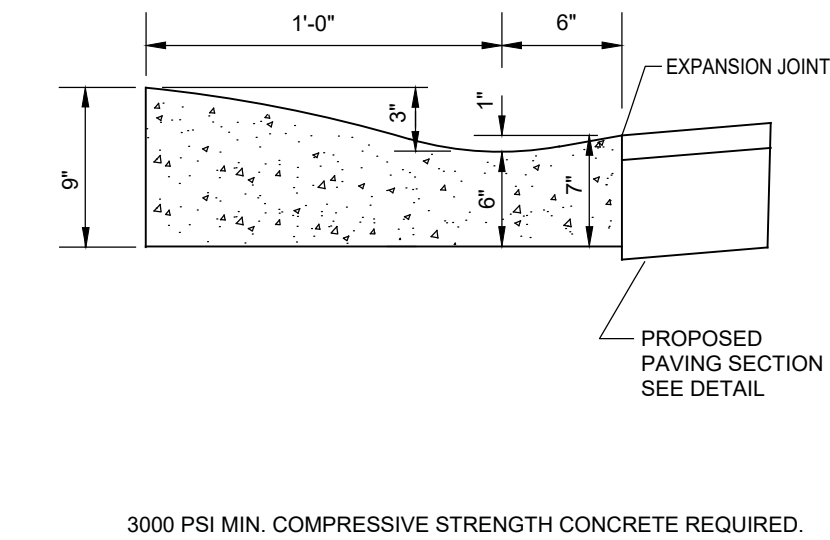


1. ASPHALTIC CONCRETE WEARING SURFACE, ALDOT SECTION 424-A, 1/2" MAX. AGGREGATE SIZE.
2. ASPHALTIC CONCRETE BINDER COURSE, ALDOT SECTION 424-B, 1" MAX. AGGREGATE SIZE.
3. CRUSHED AGGREGATE BASE COURSE, TYPE B, ALDOT SECTION 825, COMPACTED TO 100% (MODIFIED AASHTO T-180, METHOD D)
4. COMPACT THE UPPER 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.

NOTE: PAVEMENT SECTION PROVIDED BY SHELBY CO. FACILITIES

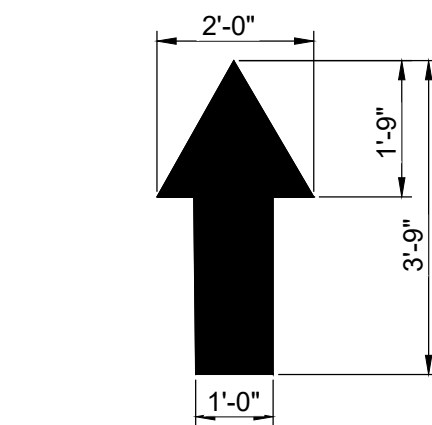
02 ASPHALT PAVEMENT DETAIL

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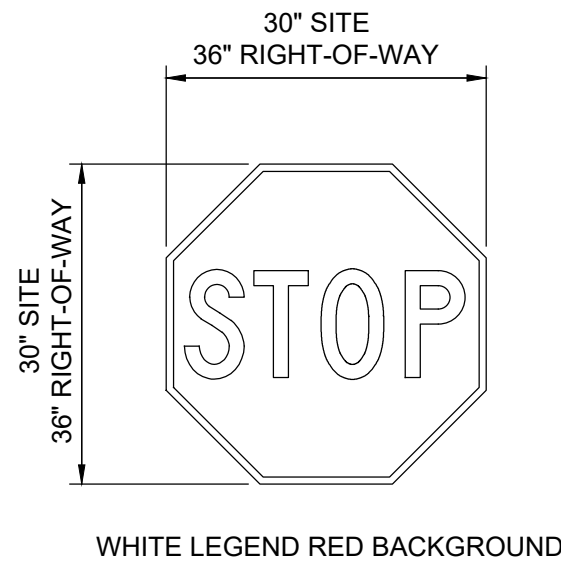
04 18" VALLEY GUTTER DETAIL

N.T.S.



06 DIRECTIONAL ARROWS DETAIL

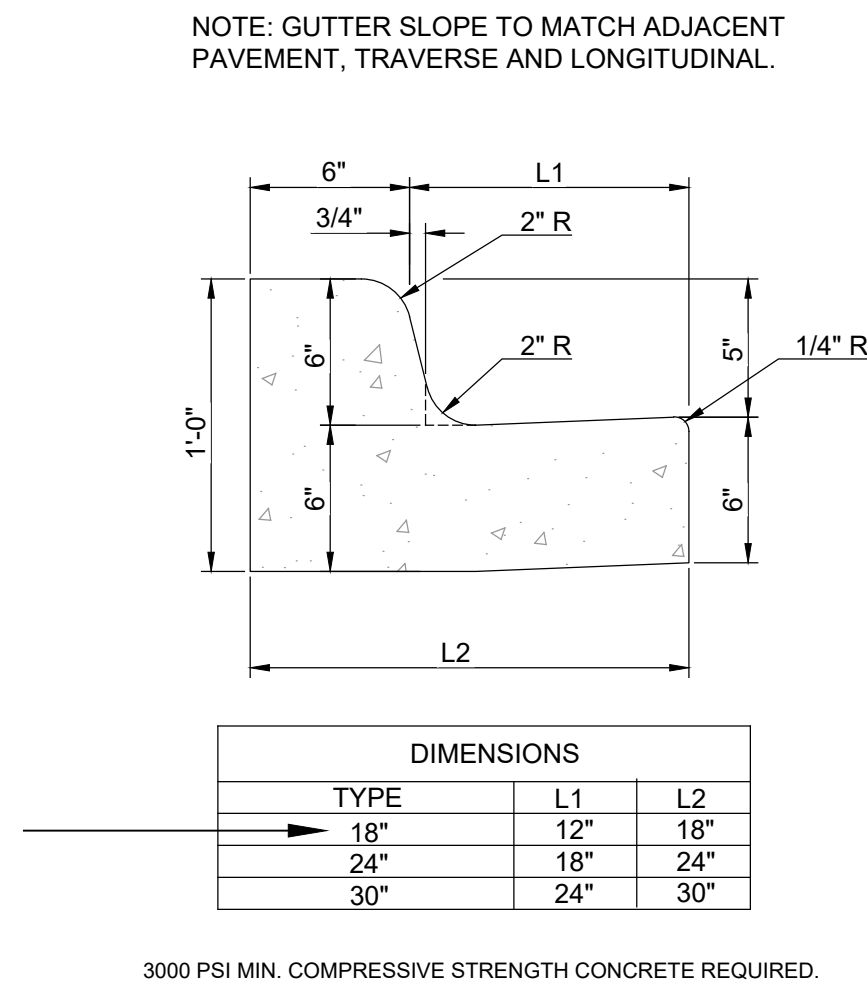
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- NOTES:
1. TO BE MOUNTED ON BREAK AWAY TUBE POST.

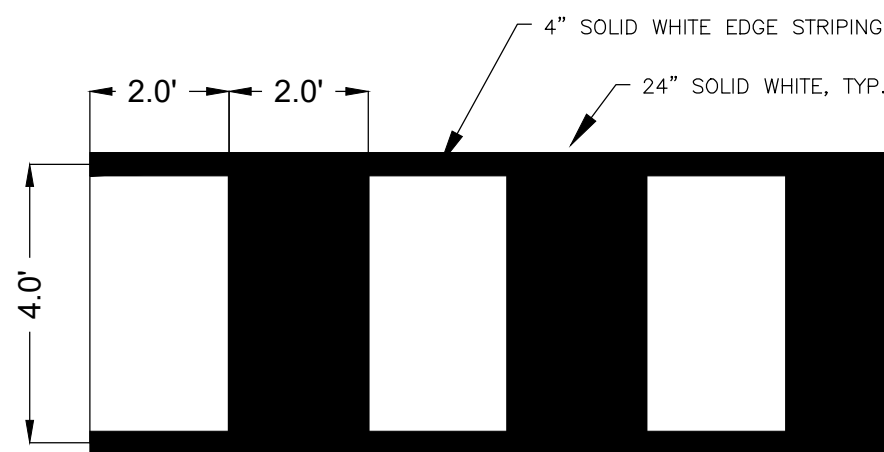
07 STOP SIGN DETAIL

N.T.S.



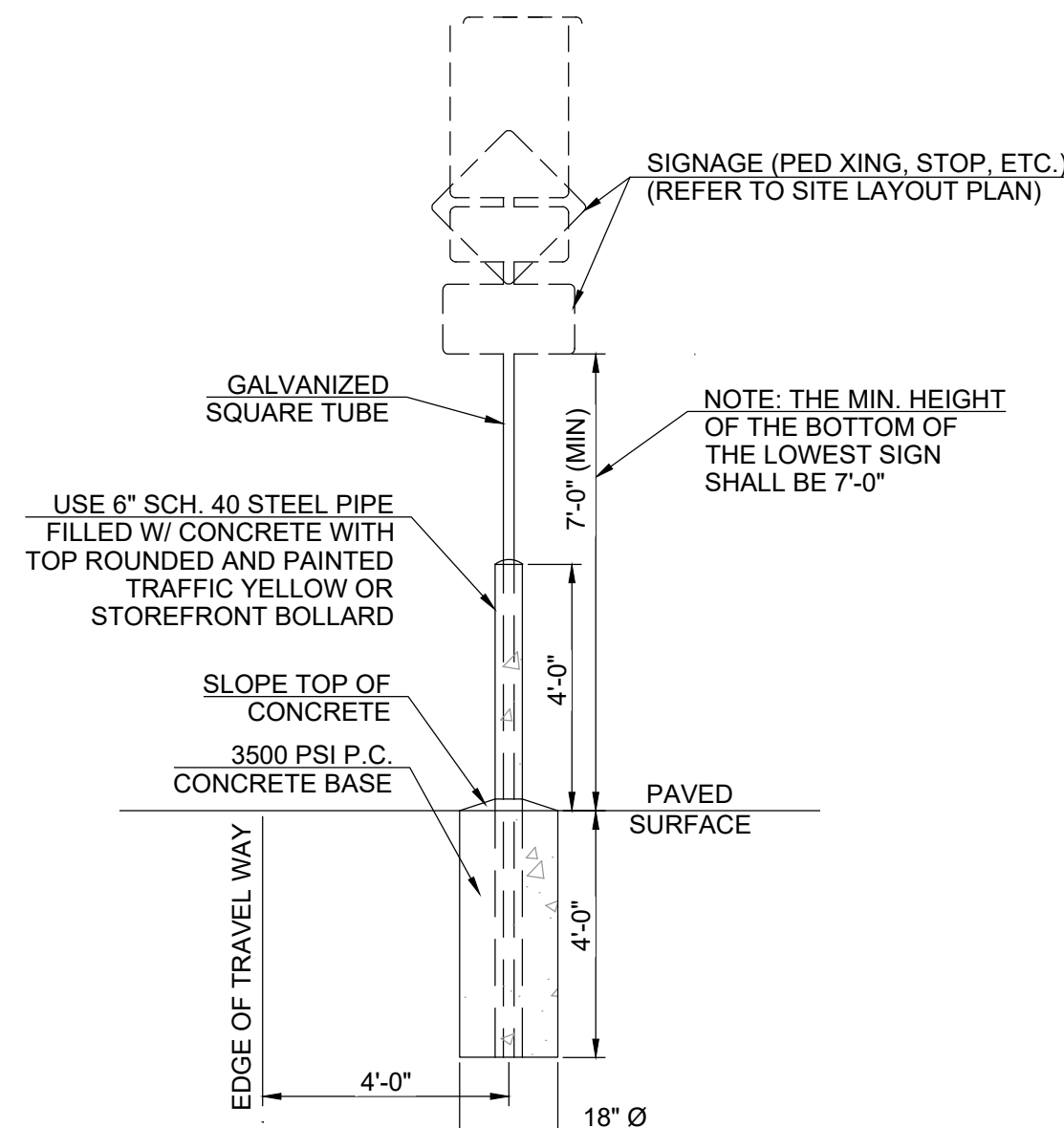
08 CURB & GUTTER DETAIL

N.T.S.



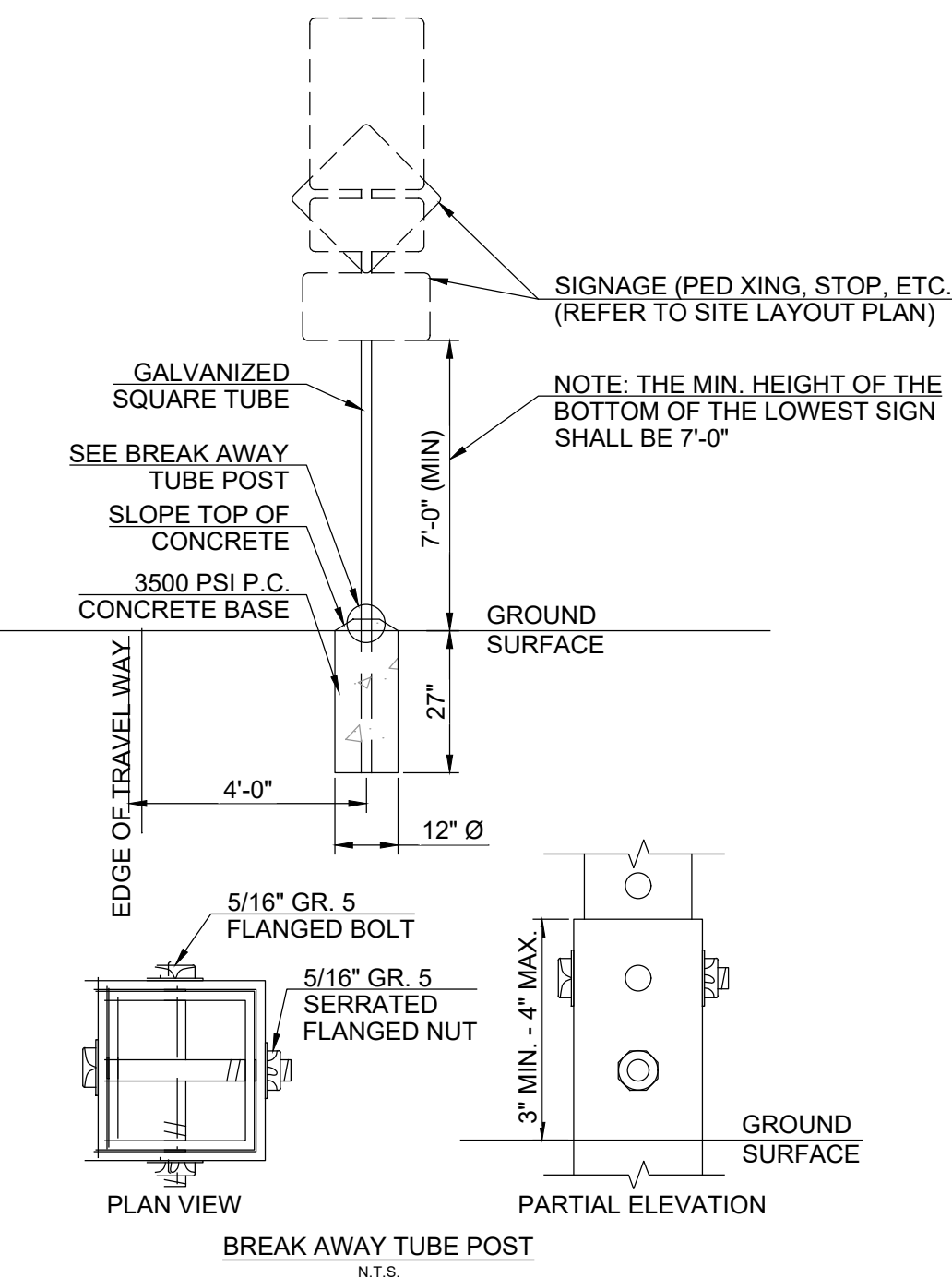
09 PEDESTRIAN CROSSWALK DETAIL

N.T.S.



- NOTES:
1. 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.
 2. 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:
1. 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.
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POST TUBES - 2"x2"x3/16" 14ga
POST TUBE SHALL MEET ASTM A1011 GRADE 50.
POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.

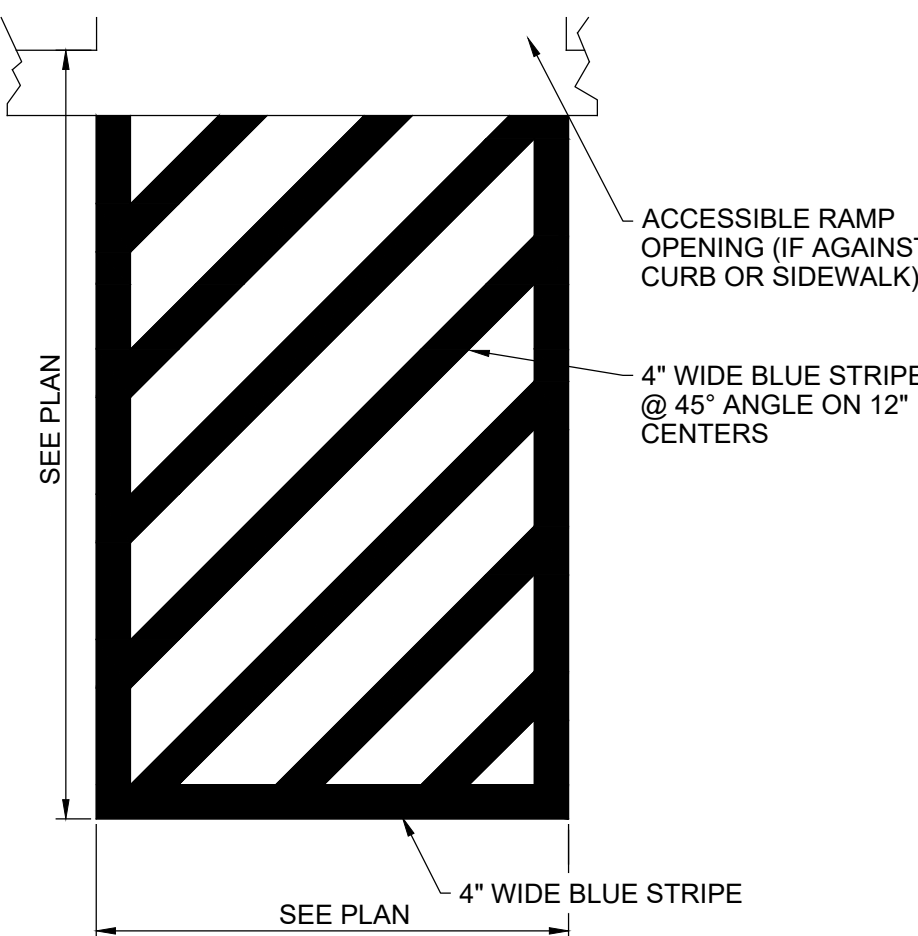
ANCHOR TUBE - 2-1/4"x2-1/4"x3/16" 14ga HEAVY DUTY ANCHOR TUBE SHALL MEET ASTM A500 GRADE B. STRUCTURAL TUBE AND STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123.

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)

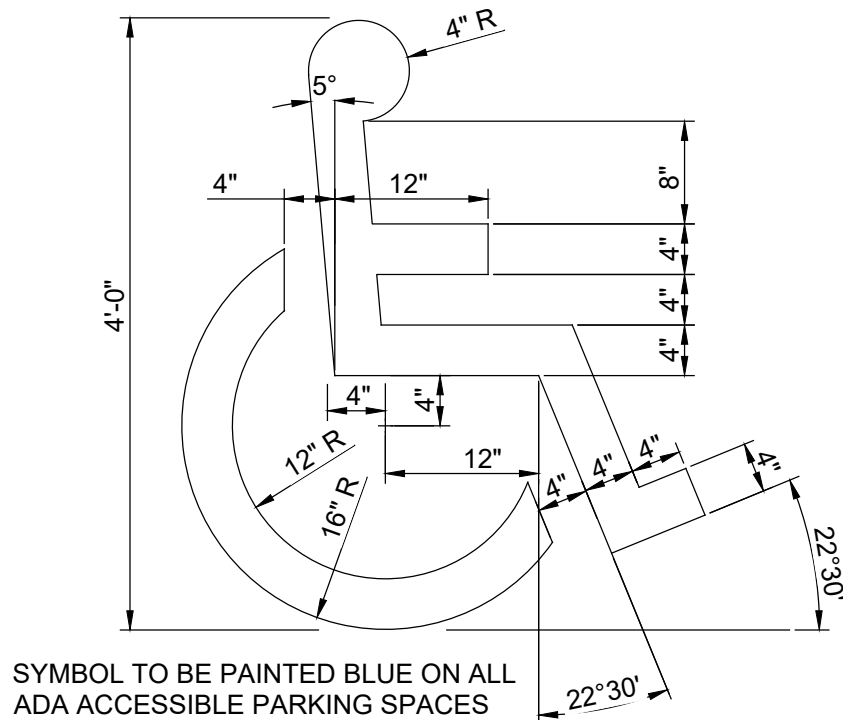
10 SIGN MOUNTING AND BASE DETAIL

N.T.S.



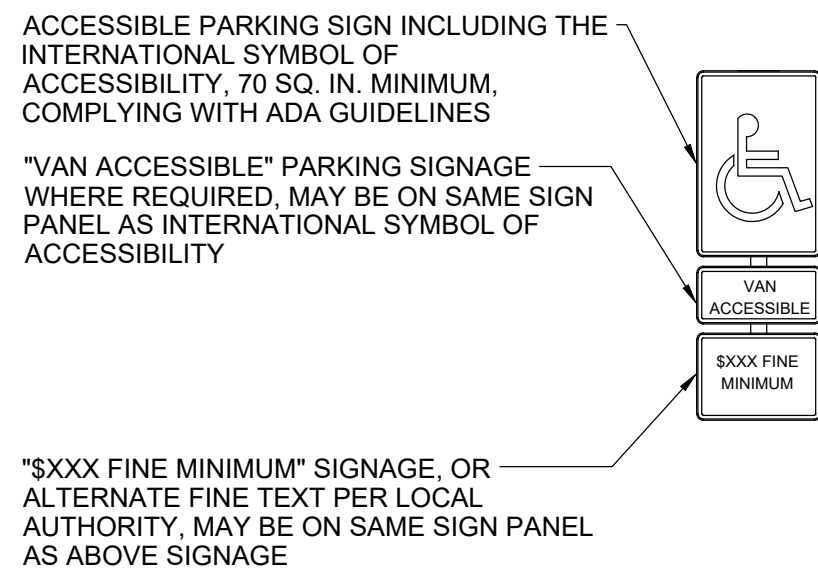
11 ACCESSIBLE AISLE DETAIL

N.T.S.



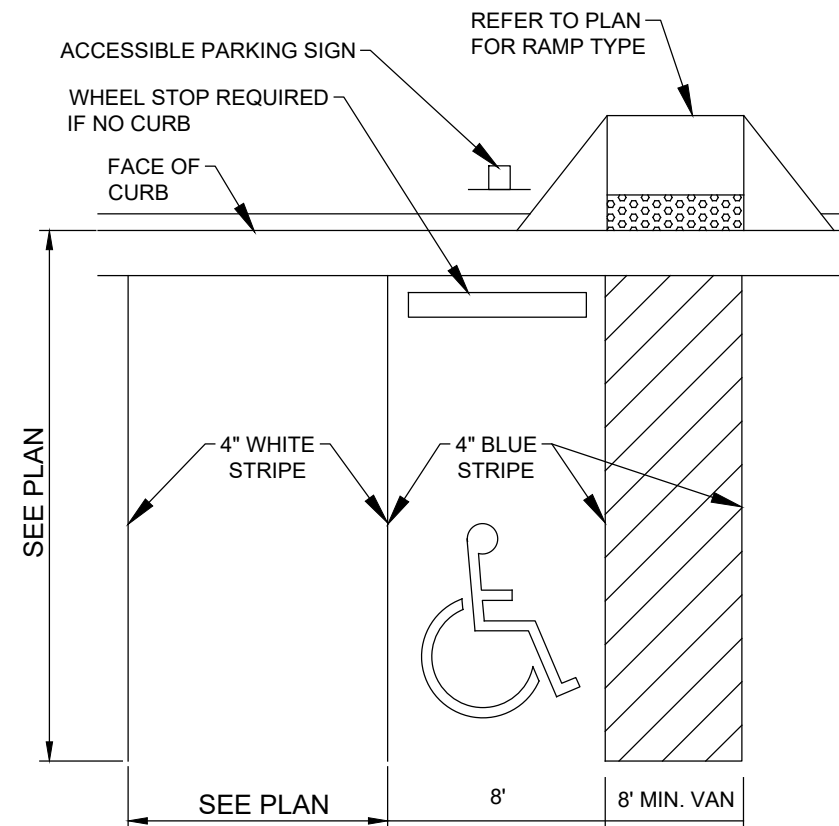
12 ACCESSIBLE SYMBOL DETAIL

N.T.S.



13 ACCESSIBLE SIGN DETAIL

N.T.S.



14 ACCESSIBLE PARKING DETAIL

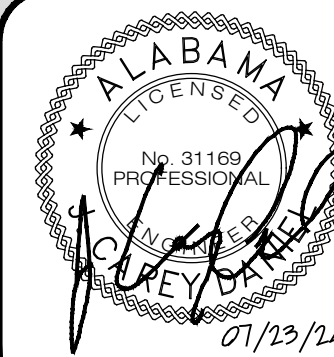
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SITE SECTIONS & DETAILS

SHELBY CO. LANDFILL SCALEHOUSE

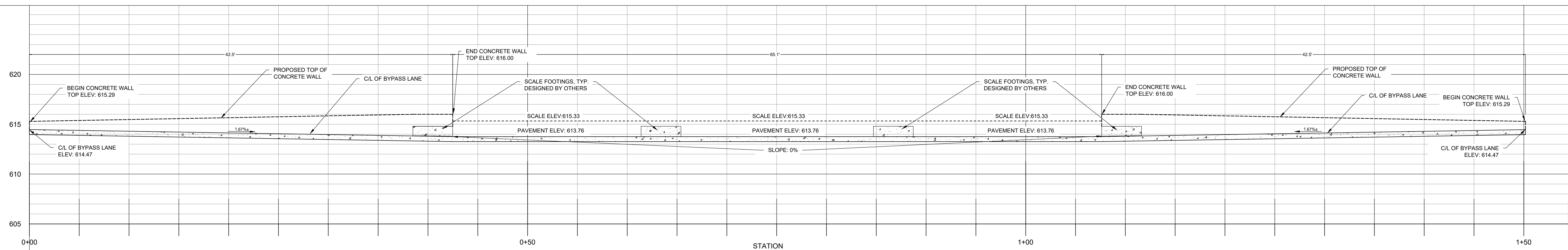
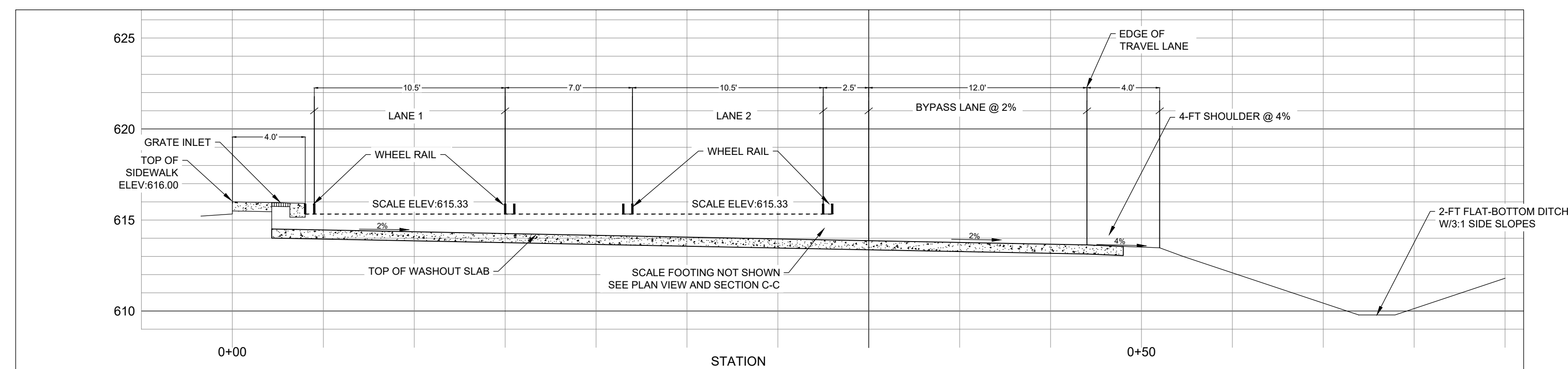
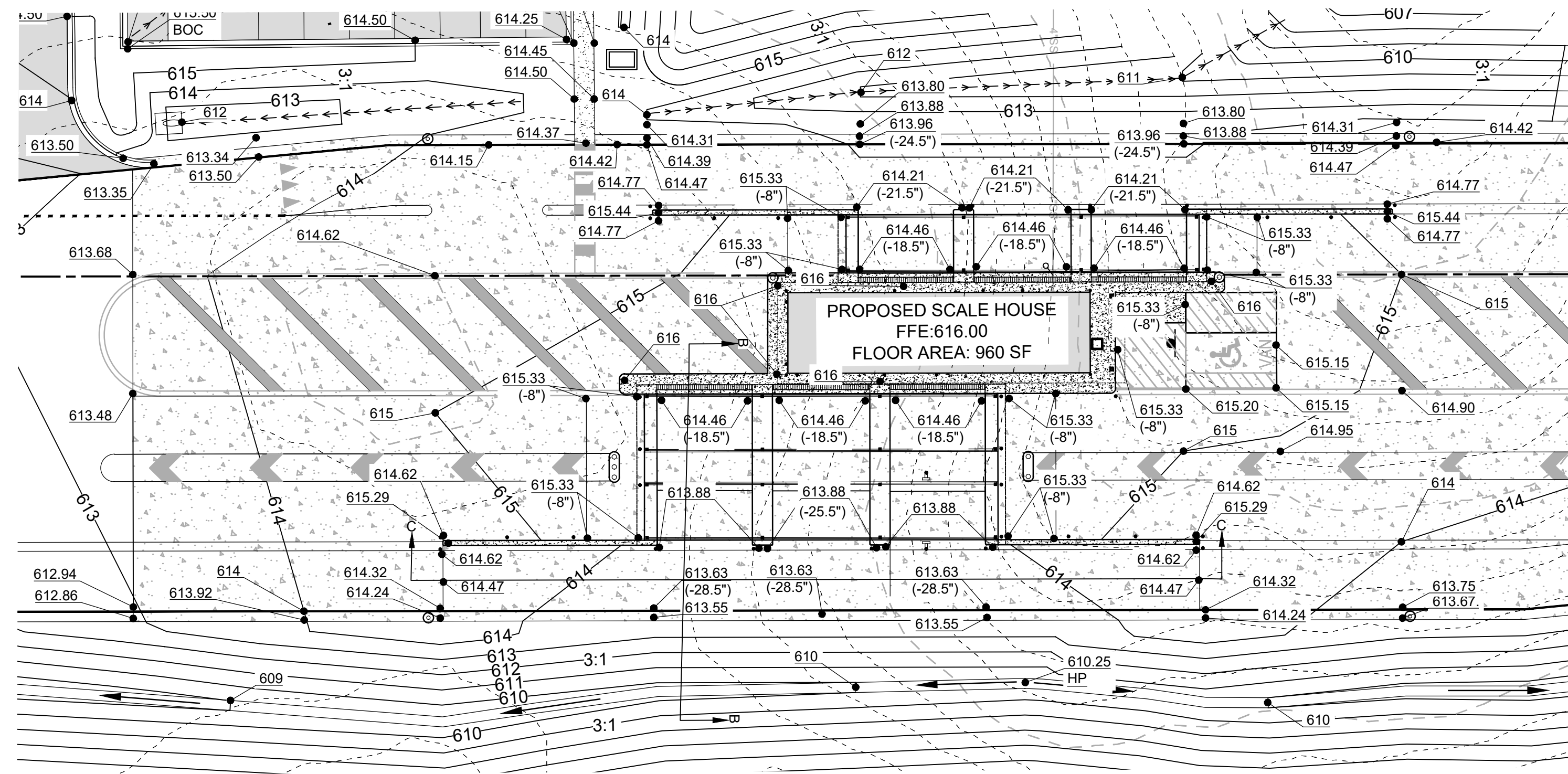
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24-0098





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SCALE CROSS SECTIONS

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SR 70
COLUMBIANA, AL

SHELBY CO. FACILITIES

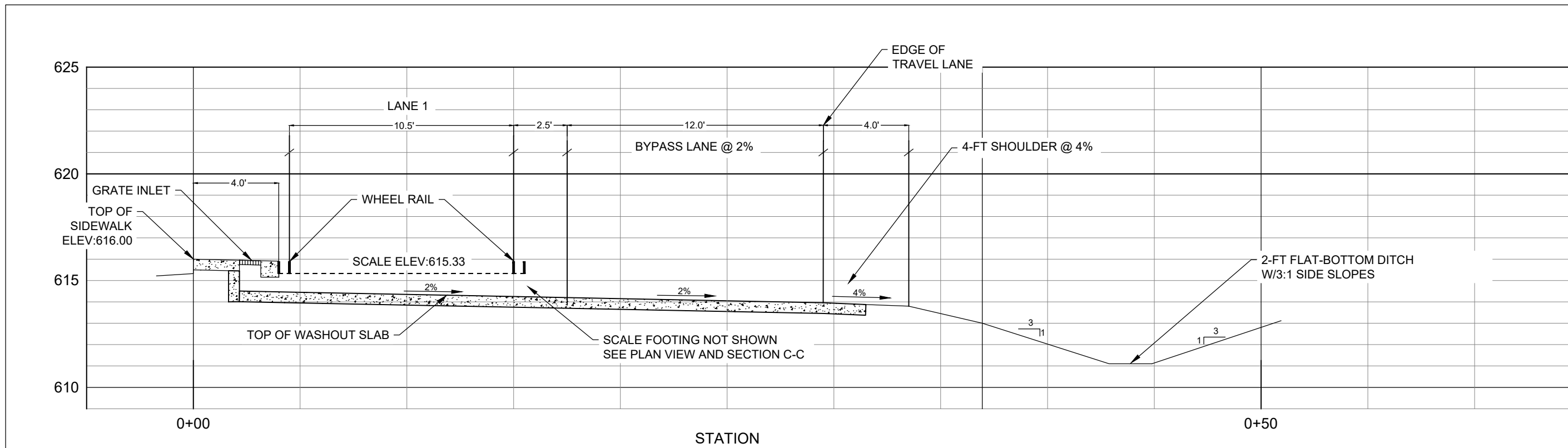
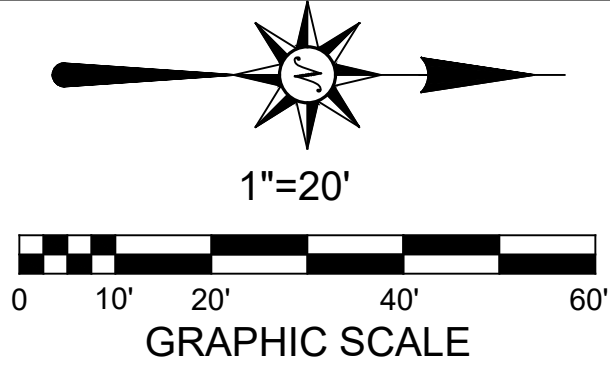
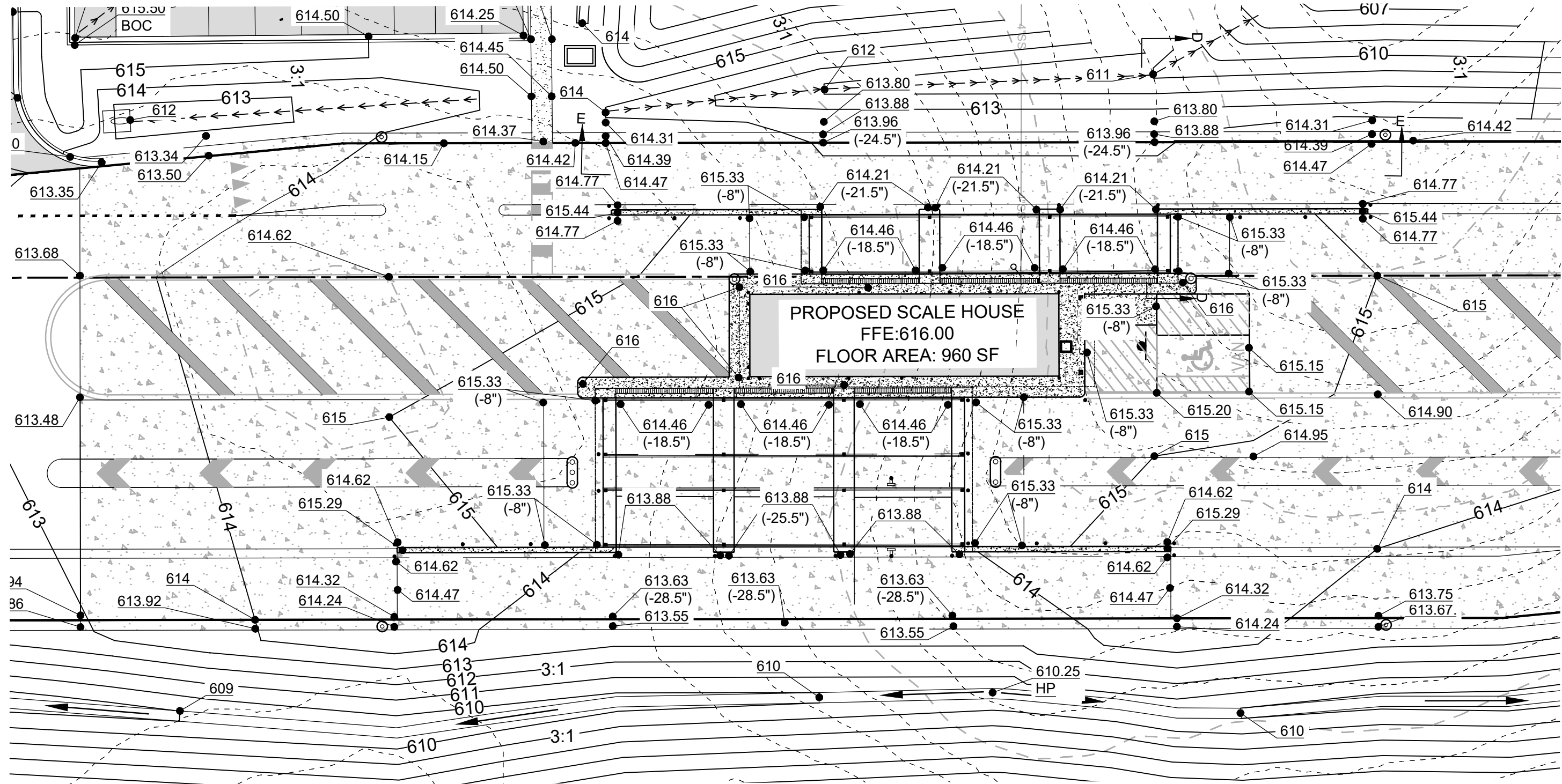
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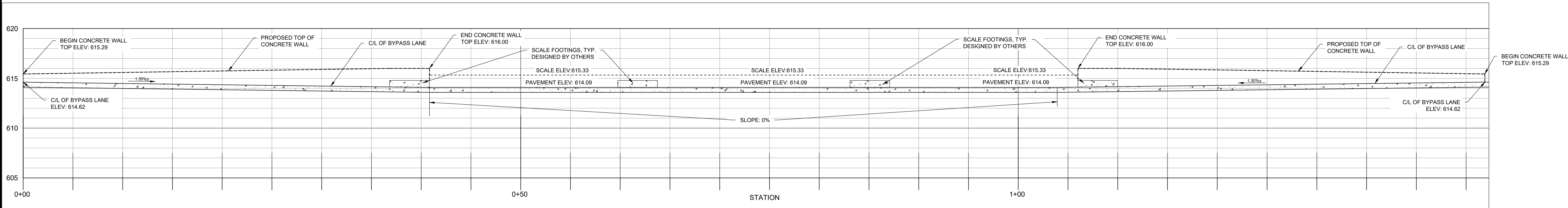
ALABAMA
LICENSED
No. 31169
PROFESSIONAL
ENGINEER
CHRISTOPHER D. GREY
07/23/24

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C301 R 0
PROJECT

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SECTION D-D
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 5'



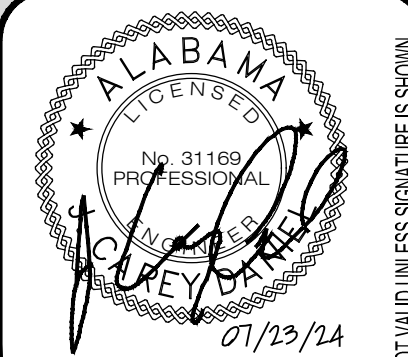
SECTION E-E
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1" = 5'

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N.T.S.



1. 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.
2. FINAL BACKFILL SHALL BE ON SITE SUITABLE SOILS COMPACTED TO 98% STANDARD PROCTOR.
3. FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
4. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
5. 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.
6. FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
7. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.

N.T.S.

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DRAINAGE SECTIONS & DETAILS

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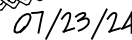
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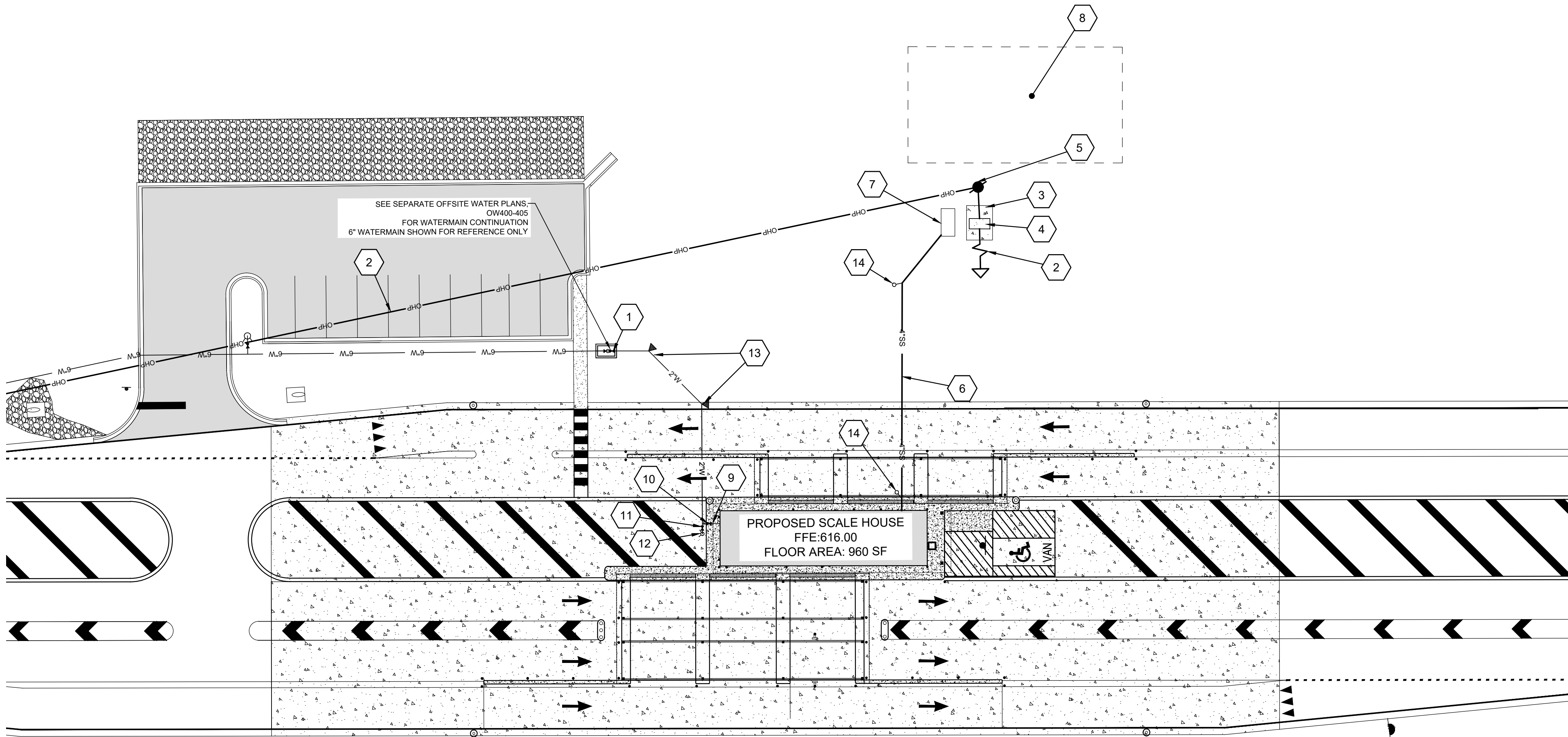
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24-0098



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Dial 811
Or Call 800-282-7411

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.

UTILITY LEGEND

- CONNECT 2" WATERLINE TO 2" VALVE IN VAULT
- OVERHEAD POWER SERVICE TO GENERATOR. COORDINATE WITH ALPCO FOR EXACT LOCATION. (SEE MEP PLANS FOR CONTINUATION FROM GENERATOR TO BUILDING). CONTRACTOR TO INSTALL CONDUIT PER ALABAMA POWER REQUIREMENTS.
- CONCRETE GENERATOR PAD REQ'D.
- GENERATOR REQ'D. SEE MEP PLANS FOR DETAILS AND SPECIFICATIONS.
- PROPOSED POWER POLE. CONTRACTOR TO COORDINATE WITH MEP AND ALPCO FOR EXACT LOCATION OF POLE AND TRANSFORMER.
- 4" SANITARY SEWER LATERAL @ 2.0% MINIMUM GRADE REQ'D.
- INV @ BLDG = 4.5' BELOW FFE. SEE MEP PLANS FOR SEWER IN BUILDING. COORDINATE WITH SHELBY COUNTY FOR SEPTIC TANK ELEVATIONS AND CONNECTION.
- PROPOSED SEPTIC TANK SHOWN FOR REFERENCE ONLY. TO BE PROVIDED & INSTALLED BY SHELBY COUNTY. LOCATION AND SIZE APPROXIMATE. ALL REQUIRED SEPTIC TANK PERMITTING TO BE COMPLETED BY SHELBY COUNTY.
- DASHED AREA DENOTES APPROXIMATE LOCATION OF SEPTIC ABSORPTION FIELD. TO BE PROVIDED AND INSTALLED BY SHELBY COUNTY.
- 1" DOMESTIC WATER SERVICE TO BUILDING. SEE MEP PLANS FOR CONTINUATION INTO BLDG.
- 1" SHUTOFF VALVE REQ'D
- SHUTOFF VALVE FOR SIAMESE CONNECTION. VALVE TO BE APPROVED PER SHELBY COUNTY.
- 2.5" SIAMESE CONNECTION FOR SCALE WASHOUT REQ'D. SEE DETAIL SHEET C450.
- 2" 45° BEND WITH THRUST BLOCK REQ'D. TO BE RESTRAINED 3', (TYP.)
- SANITARY SEWER CLEANOUT REQUIRE, (TYP.) SEE DETAIL.

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).
- ALL 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.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO STORE POSSESSION.
- 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.

REFER TO SURVEY FOR
EXISTING CONDITIONS LEGEND

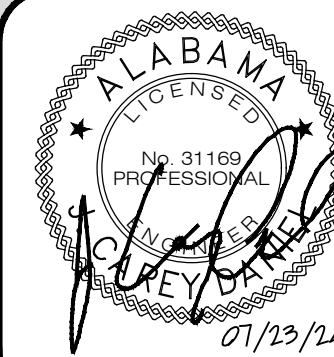
REFER TO SHEET C001 FOR
ADDITIONAL NOTES APPLICABLE
TO THE WORK SHOWN ON THIS
PLAN

SITE UTILITY PLAN

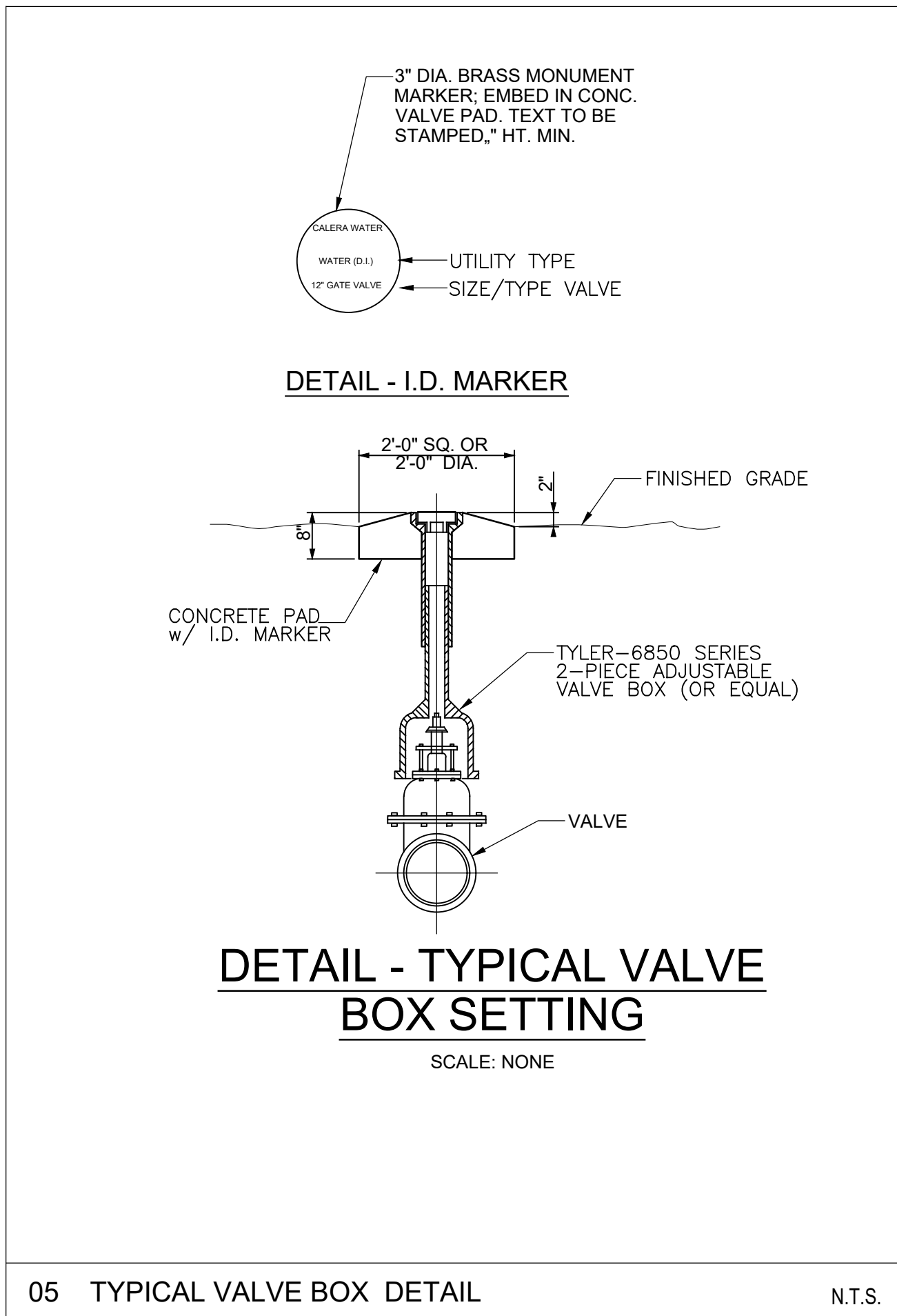
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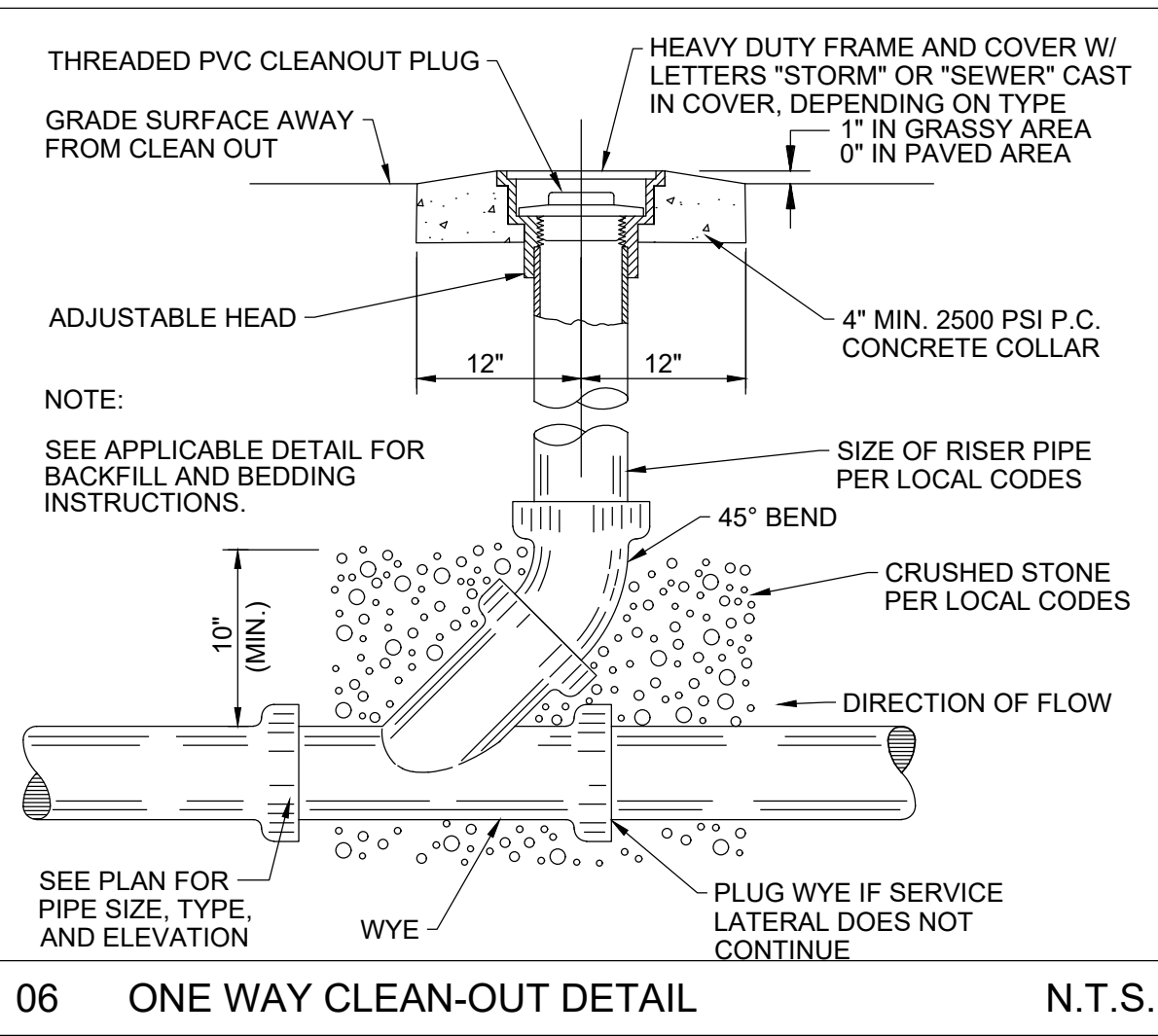
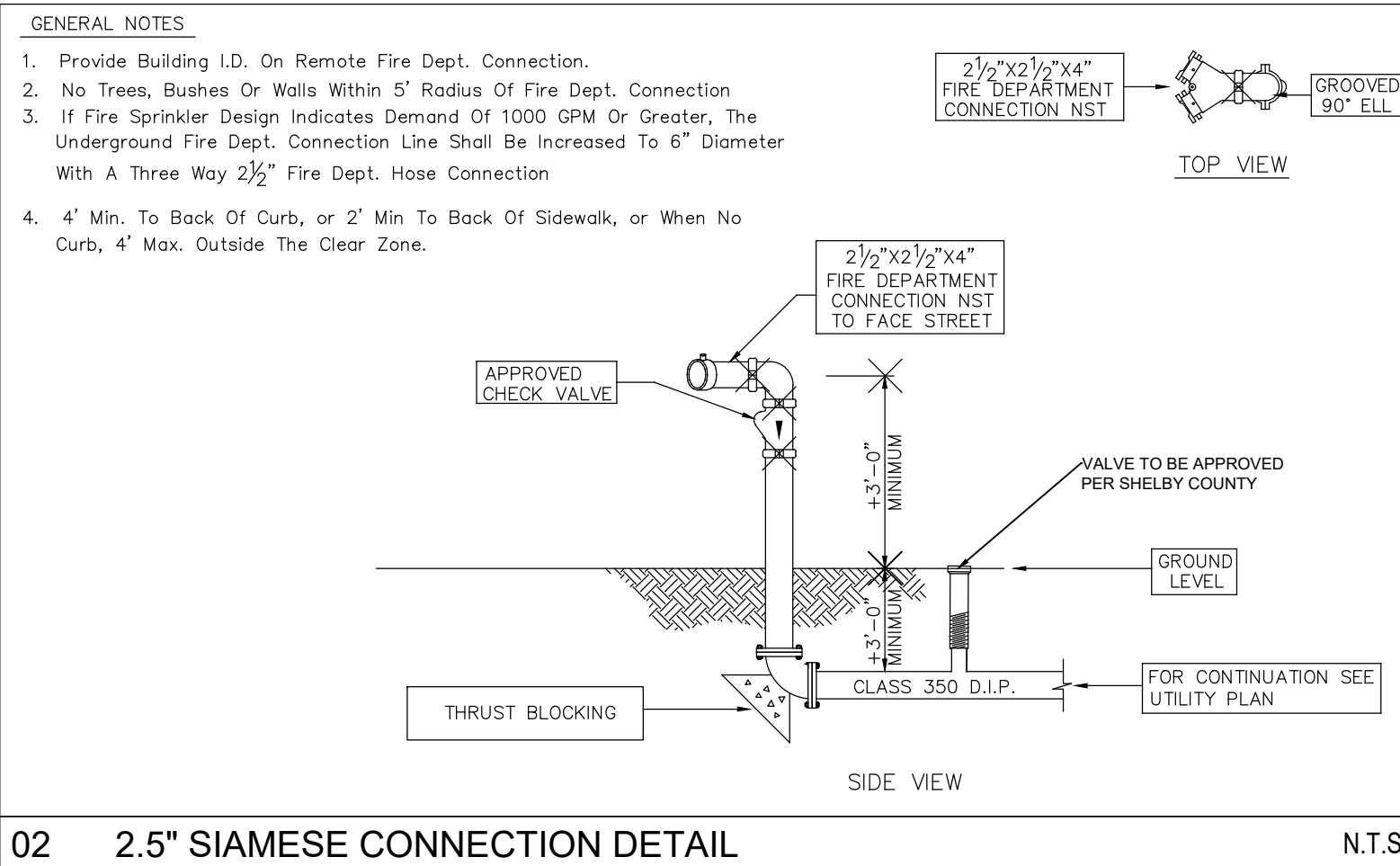
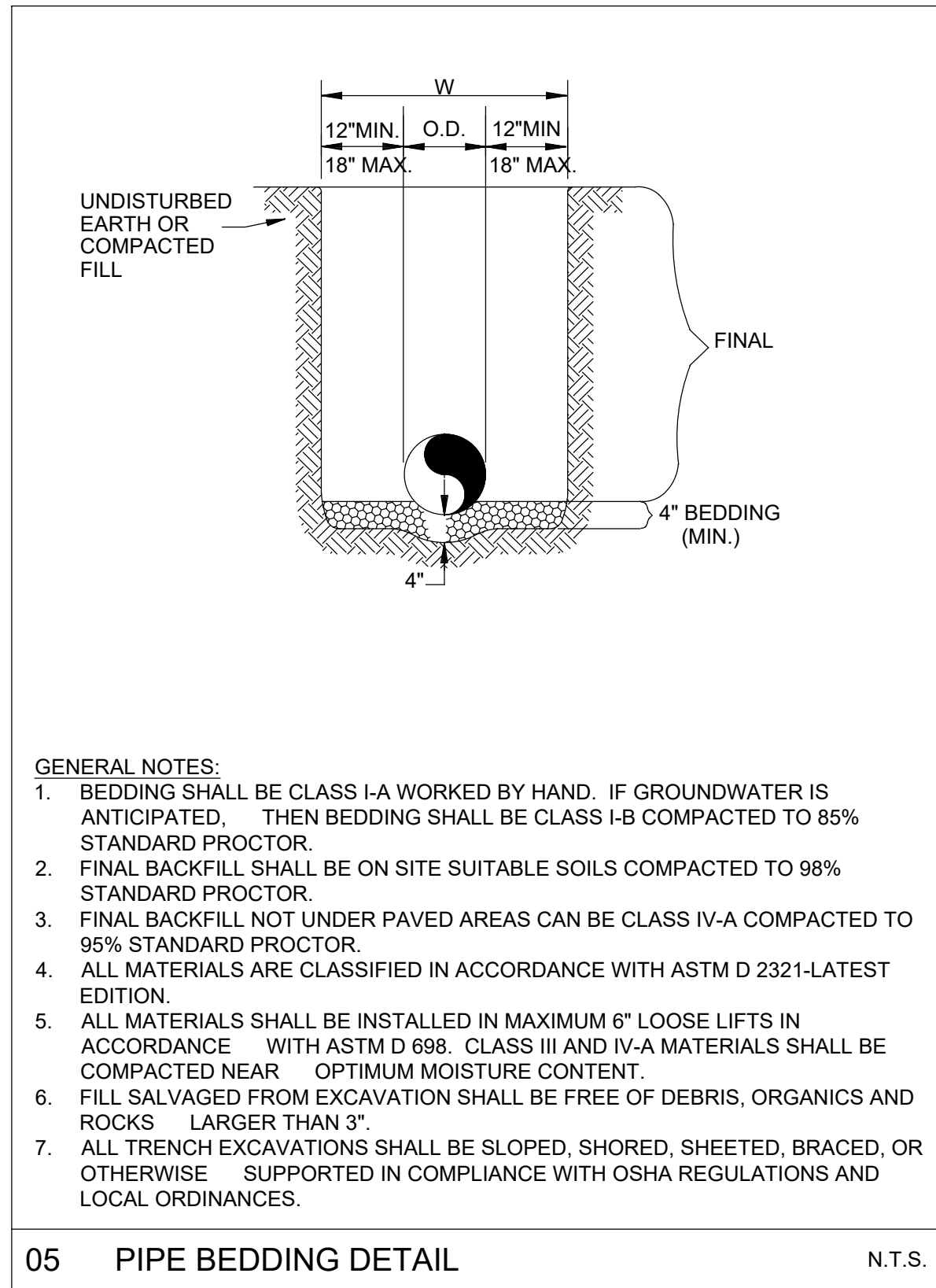


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05 TYPICAL VALVE BOX DETAIL

N.T.S.



1/2 OD

1/2 D

D

SECTION

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
24"	2.0	4.0	18	3.0	0.70	22,185	
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
24"	3.0	5.0	18	4.5	1.47	44,160	
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
24"	5.0	7.5	18	6.5	3.35	91,610	
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
24"	5.0	10.0	40	8.0	8.50	160,035	
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
24"	6.0	9.0	40	6.5	7.94	113,100	

NOTES

1. SOIL CONDITIONS SHALL BE VERIFIED BY THE ENGINEER BEFORE THRUST BLOCK DESIGN IS IMPLEMENTED.

DESIGN DATA

1. DIMENSION OF THRUST BLOCK IN FEET BASED ON 2000 POUNDS PER SQUARE FOOT SOIL BEARING PRESSURE. ACTUAL INSIDE DIAMETER OF D.I.P., CLASS 50, 250 PSI TEST PRESSURE.

2. CONCRETE SHALL BE CLASS A, 3000 PSI

3. UNDER ADVERSE CONSTRUCTION CONDITIONS, CONCRETE SHALL BE "HIGH EARLY" TYPE.

03 HORIZONTAL THRUST BLOCKS

N.T.S.

04 VERTICAL THRUST BLOCKS

N.T.S.

SEE PLAN FOR PIPE

M.J. BEND

1/4" X 2"W STRAP D.I.P.

6" MIN.

9"

CONCRETE BLOCK

SIZE	A	R	LENGTH/STRAP
6"	1'-11.5"	3.5"	5'-4.5"
8"	1'-11.87"	4.656"	5'-10.25"
10"	2'-1"	5.703"	6'-4"
12"	2'-2"	6.75"	6'-9.75"
14"	2'-3.37"	7.21"	7'-3"
16"	2'-4.75"	8.75"	7'-8.5"
20"	2'-6"	10.75"	8'-8"
24"	2'-9.5"	12.87"	9'-7.5"

BEND	SIZE	A (FT)	B (FT)	C (FT)	D (FT)	WIDTH (FT)	CU YDS
11 1/4°	6"	2.0	2.0	1.0	1.83	2.0	0.29
	8"	2.33	3.0	1.5	2.08	2.0	0.51
	10"	2.75	2.75	1.37	2.5	2.75	0.78
	12"	3.0	3.33	1.5	2.67	3.0	1.11
	14"	3.0	4.0	1.67	2.67	3.33	1.48
	16"	4.0	4.0	1.67	3.67	3.33	2.22
22 1/2°	20"	4.08	5.0	2.0	3.75	4.17	3.69
	24"	5.08	5.0	2.33	4.67	4.75	4.22
	6"	2.83	2.6	1.25	2.33	2.5	0.56
	8"	3.33	3.0	1.5	2.75	3.0	1.01
	10"	3.91	4.0	2.0	3.08	3.0	1.54
	12"	4.17	4.0	3.0	3.41	4.0	2.19
45°	14"	4.33	5.0	2.5	3.33	4.0	2.98
	16"	4.5	5.0	2.5	3.5	5.0	3.68
	20"	5.33	5.5	2.75	4.17	6.0	6.07
	24"	6.33	6.58	3.33	5.08	6.0	8.75
	6"	3.5	3.0	1.5	1.75	3.25	1.08
	8"	3.75	4.0	2.0	1.83	4.0	1.19
90°	10"	4.5	4.0	2.0	2.25	5.0	2.92
	12"	4.5	4.17	2.08	2.25	5.0	3.06
	14"	5.5	5.25	2.58	2.75	6.0	5.83
	16"	6.08	6.0	3.0	3.0	6.0	7.41
	20"	7.08	7.0	3.5	3.5	7.0	11.88
	24"	7.75	8.0	4.0	3.83	8.0	17.29

04 VERTICAL THRUST BLOCKS

N.T.S.

UTILITY DETAILS

SHELBY CO. LANDFILL SCALEHOUSE

SR 70

COLUMBIA, AL

SHELBY CO. FACILITIES

COLUMBIA, AL

GONZALEZ - STRENGTH & ASSOCIATES, INC.

CIVIL ENGINEERING - TRANSPORTATION ENGINEERING - LAND SURVEYING

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PROJECT
24-0098

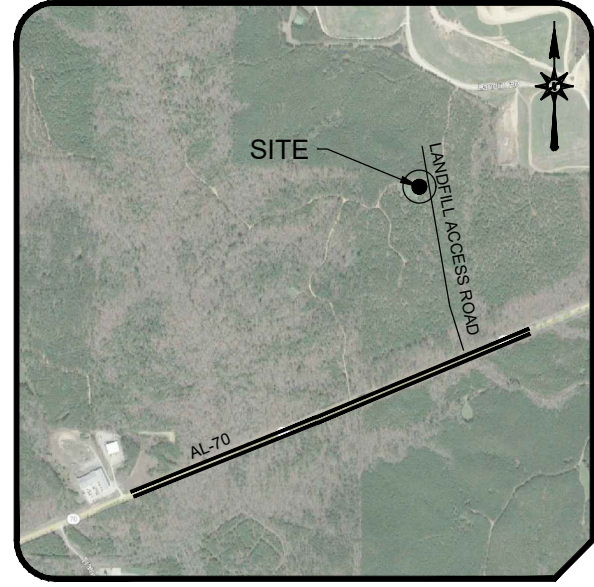
CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN FOR SHELBY CO. LANDFILL SCALEHOUSE

SR 70
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

- 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

- QUANTITIES OF PRODUCTS STORED ON-SITE WILL BE LIMITED TO AMOUNT NEEDED FOR THE JOB.
- PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL, WHERE POSSIBLE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH MANUFACTURER LABELS LEGIBLE AND VISIBLE.
- PRODUCT MIXING, DISPOSAL, AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- 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

- 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.
- 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

- 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.
- 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.
- SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY SYSTEM AT THE COMPLETION OF THIS PROJECT.

OFF-SITE VEHICLE TRACKING

- 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 TARP/AULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

- 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

- LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
- 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.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEET ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- SEE PROJECT SPILL PREVENTION, CONTROL, AND COUNTERMEASURES PLAN (SPCCP) FOR REPORTING REQUIREMENTS.

PRODUCT SPECIFIC PRACTICES

- 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, TYPICAL 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.
- 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.
- 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.
 - FERTILIZER - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'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.
 - 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

- 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.
- 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

- 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-OUT WATER OF NON-TOXIC MATERIALS.

DUST CONTROL

- 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.
- 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.
- 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

- CONCRETE WASTE MANAGEMENT PERTAINS TO WASTE FROM CONCRETE READY-MIX TRUCKS, MASONRY OPERATIONS, AND SIMILAR WASTE.
- STATE AND/OR LOCAL REGULATIONS DO NOT PROHIBIT CONCRETE WASHOUT ON SITE.
- 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.
- 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

- DISTURBANCE OF EXISTING AND PROPOSED STEEP SLOPES SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICAL.
- EXPPOSED 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.
- 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

- CONSIDERATION MUST BE GIVEN TO ANTICIPATED CLIMATE AND SEASONAL CONDITIONS WHEN PLANTING SEED.
- 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.
- 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.
- VEGETATED AREAS MUST BE WATERED, FERTILIZED, AND RESEEDED AS NEEDED TO ACHIEVE THIS REQUIREMENT.
- 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.
- 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.
- ALL VEGETATED AREAS SHALL BE INSPECTED REGULARLY TO CONFIRM THAT A HEALTHY STAND OF GRASS IS MAINTAINED.

PERMANENT SEEDING, SOD, OR MULCHING

- 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.
- 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.
- 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 MUCH APPLICATIONS MUST INCLUDE A SUITABLE FORM OF MULCH ANCHORING TO MINIMIZE MOVEMENT OF MULCH BY WIND OR WATER.
- 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).
 - IT IS NOT ACCEPTABLE TO ALLOW BARE SOIL TO REMAIN EXPOSED AT ANY TIME DURING THE YEAR, REGARDLESS OF WEATHER/TEMPERATURE/SITE CONDITIONS.
 - ALLOWABLE ALTERNATIVE STABILIZATION MEASURES TO BE USED ON SITE INCLUDE: ANCHORED STRAW/HAY MULCH, WOOD CELLULOSE FIBER MULCH, AND DECORATIVE GRAVEL.
 - 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

- 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.
- 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.
- 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

- 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.
- 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.
- SITE INSPECTIONS SHALL BE PERFORMED BY A QCI, 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.
- 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

- CONTRACTOR SHALL IMMEDIATELY PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE PER PLAN SHEETS, SPECIFICATIONS, AND DETAILS.
- CONTRACTOR SHALL REMOVE ALL TEMPORARY BMP'S.
- CONTRACTOR SHALL REMOVE ANY ACCUMULATED SEDIMENT FROM DETENTION POND AND PERMANENTLY STABILIZE.
- 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

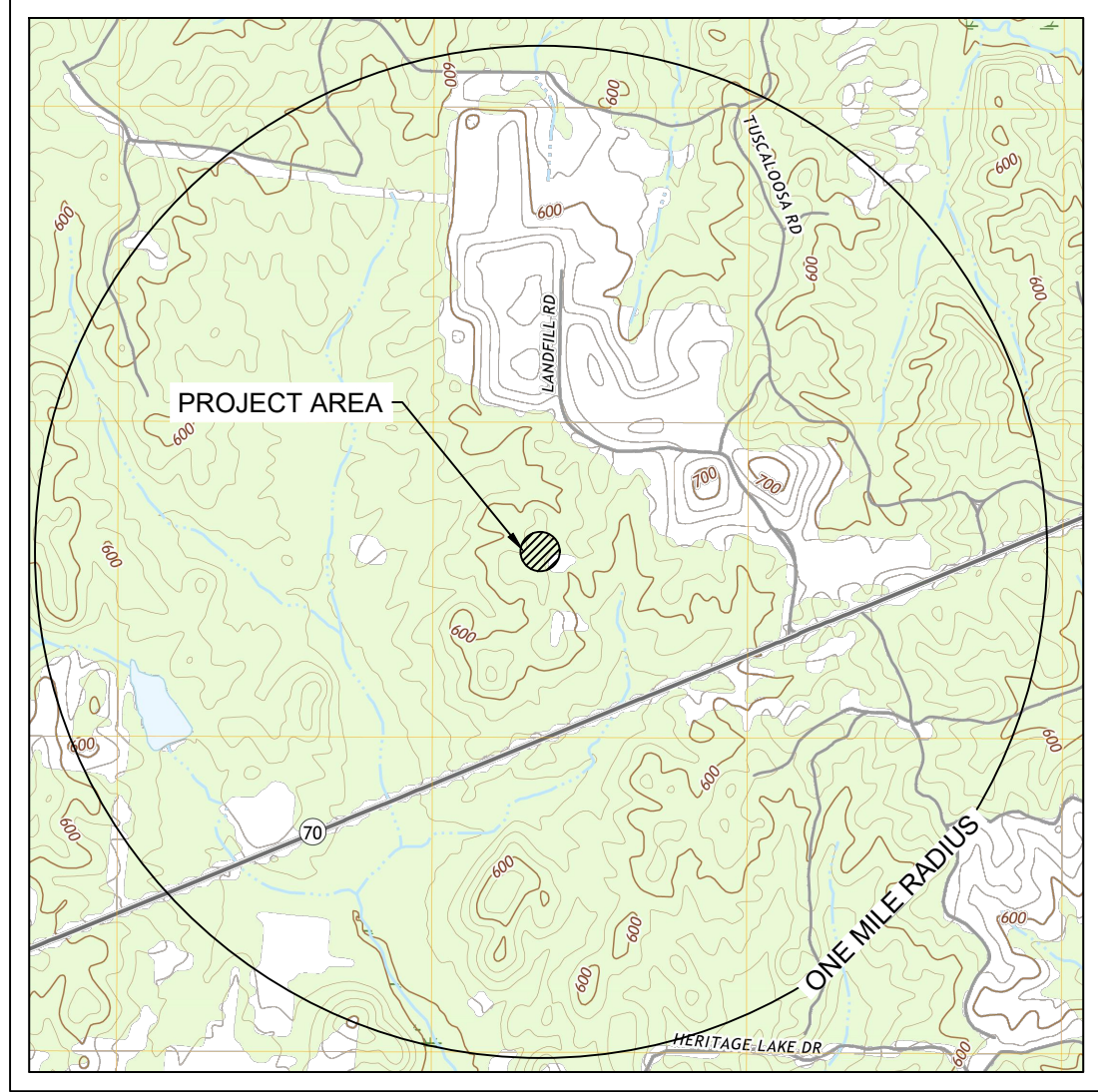
THE PROPOSED PROJECT IS LOCATED ALONG AL-70 IN CALERA, AL. THE SITE WILL DISTURB APPROXIMATELY 1.56 AC. THE PROJECT WILL INCLUDE CONSTRUCTION OF A SCALEHOUSE, PARKING, AND ASSOCIATED GRADING. THIS PROJECT HAS THE POTENTIAL TO PRODUCE SILTATION & NONPOINT SOURCE POLLUTANTS, THUS IN AN EFFORT TO EFFECTIVELY REDUCE THE POTENTIAL OF THESE POLLUTANTS, IMPLEMENTATION OF THIS CBMP WILL BE REQUIRED. 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.

THE SITE CURRENTLY DRAINS TO AN UNNAMED TRIBUTARY OF CAMP BRANCH WHICH EVENTUALLY DRAINS TO THE COOSA RIVER. 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 "ALABAMA 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 CO. LANDFILL
SCALEHOUSE
USGS QUADRANGLE

1" = 2,000-FT

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

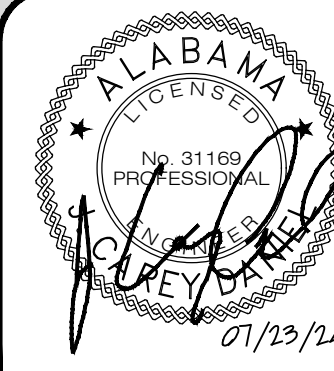
REVISIONS		DATE
NO.	DESCRIPTION	
0	ISSUE FOR BID	7/23/2024
1		
2		
3		
4		

CBMP COVER SHEET & NOTES

SHELBY CO. LANDFILL SCALEHOUSE

SR 70
COLUMBIANA, AL
SHELBY CO. FACILITIES
COLUMBIANA, AL

GONZALEZ - STRENGTH & ASSOCIATES, INC.
CIVIL ENGINEERING - TRANSPORTATION ENGINEERING - LAND SURVEYING
LAND PLANNING - LANDSCAPE ARCHITECTURE
1550 WOODS OF RIVERCHASE DRIVE SUITE 200
COLUMBIANA, AL 36826
PHONE: (205) 942-2464
FAX: (205) 942-3033
www.Gonzalez-Strength.com



01/23/24

DWG NO.
C500 R 0
PROJECT
24-0098

ADEM NPDES GENERAL PERMIT NOTES:

(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.)

PART I Coverage Under This General Permit

A. Permit Coverage

This permit authorizes, subject to the conditions of this permit, discharges associated with construction activity that will result in land disturbance equal to or greater than one (1) acre or from construction activities involving less than one (1) acre and which are part of a common plan of development or sale equal to or greater than one (1) acre occurring on or before, and continuing after the effective date of this permit, except for discharges identified under Part I.C. of the permit.

B. Eligibility

1. Allowable Stormwater Discharges

This permit authorizes the following stormwater discharges:

- Stormwater associated with construction activities defined in Part I.A. of this permit;
- The following stormwater discharges have been determined by the Director to require coverage under this permit:
 - Sites, irrespective of size, whose stormwater discharges have a reasonable potential to be a significant contributor of pollutants to a water of the State, as determined by the Department;
 - Sites, irrespective of size, whose stormwater discharges have a reasonable potential to cause or contribute to a violation of an applicable Alabama water quality standard as determined by the Department.
- Discharges from construction support activities provided;
- The support activity is solely related to the construction site covered under this permit;
- The support activity is not an operation serving multiple unrelated construction projects and does not operate beyond the completion of the construction activity at the construction project it supports;
- The support activity is located in close proximity (two-mile radius) to the construction site covered under this permit, or as otherwise approved by the Department;
- Stormwater controls are implemented in accordance with Part III for discharges from the support activity area; and
- Pollutant discharges from support activity areas are minimized to the maximum extent practicable and do not pose a reasonable potential to exceed applicable water quality standards.

2. Allowable Non-Stormwater Discharges

This permit authorizes the following non-stormwater discharges provided the non-stormwater component of the discharge is in compliance with Part III.D.

- Discharges from fire-fighting activities;
- Fire hydrant flushings;
- Water used to wash vehicles and equipment where detergents are not used;
- Water used to control dust;
- Potable water including uncontaminated water line flushings not associated with hydrostatic testing;
- Routine external building wash down associated with construction that does not use detergents;
- Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used. The operator is prohibited from directing pavement wash waters directly into any surface water, storm drain inlet, or stormwater conveyance, unless the conveyance is connected to a sediment basin, sediment trap, or similarly effective control;
- Uncontaminated air conditioning or compressor condensate associated with temporary office trailers and other similar buildings;
- Uncontaminated, non-turbid discharges of ground water or spring water;
- Foundation or footing drains where flows are not contaminated with process materials such as solvents; and
- Landscape irrigation.

C. Exempt Discharges

1. Coverage under this permit is not required for the following:

- Animal feeding operation (AFO) or concentrated animal feeding operation (CAFO) construction activity that has been granted NPDES registration coverage pursuant to Chapter 335-6-7;
 - Normal agricultural; and
 - Silvicultural activities.
2. Coverage under this permit is not required for discharges associated with minor land disturbing activities such as the following:
- Home gardens or individual home landscaping;
 - Home repairs and/or maintenance;
 - Fence installation or maintenance;
 - Directional boring, hand hole digging; and
 - Guardrail, shoulder, and minor improvements associated with roadway pavement resurfacing.

D. Prohibited Discharges

The following discharges associated with construction are not authorized by this permit:

- Stormwater discharges that are mixed with sources of non-stormwater unless such stormwater discharges are:
 - In compliance with a separate NPDES permit, or
 - Determined by the Department not to be a contributor of pollutants to waters of the State.
- Stormwater discharges currently covered under another NPDES permit;
- Discharges from coal/metallic mining, dry processing, wet processing, and areas associated with these activities;
- Wastewater from washout of concrete, unless managed by an appropriate control (Wastewater from Concrete Batch Plants are prohibited unless such discharges are authorized by and in compliance with a separate NPDES permit);
- Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction materials;
- Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
- Soaps or solvents used in vehicle and equipment washing;
- Discharges from dewatering activities, including discharges of ground water or accumulated stormwater from dewatering of trenches, excavations, foundations, vaults, or other similar points of accumulation, unless managed by appropriate

controls;

- Discharges to surface waters from sediment basins or impoundments, unless an outlet structure that withdraws water from the surface, unless infeasible, is utilized;
- Discharges where the turbidity of such discharge will cause or contribute to a substantial visible contrast with the natural appearance of the receiving water;
- Discharges where the turbidity of such discharge will cause or contribute to an increase in the turbidity of the receiving water by more than 50 NTUs above background. For the purposes of determining compliance with this limitation, background will be interpreted as the natural condition of the receiving water without the influence of man-made or man-induced causes. Turbidity levels caused by natural runoff will be included in establishing background levels;
- Discharges of any pollutant into any water for which a total maximum daily load (TMDL) has been finalized or approved by EPA unless the discharge is consistent with the TMDL;
- Discharges to waters listed on the most recently approved 303(d) list of impaired streams unless the discharge will not cause or contribute to the listed impairment; and
- Toxic or hazardous substances from a spill or release.

PART II Notice of Intent (NOI) Requirements (PART)

D. Submittal of Documents

The Permittee must complete and submit the NOI electronically, using the Department's Alabama Environmental Permitting and Compliance System (AEPACS), unless the Permittee submits in writing valid justification as to why the electronic submittal process cannot be utilized and the Department approves in writing the utilization of hard copy submittals. The AEPACS can be accessed at the following link: <http://adem.alabama.gov/AEPACS>. Permit requests for initial issuance and modifications of the existing permit should all be submitted through the AEPACS system.

PART III Stormwater Pollution Prevention Requirements (PART)

B. Provide Natural Riparian Buffers or Equivalent Sediment Controls

Natural riparian buffer requirements apply to all waters of the State adjacent to construction sites or contained within their overall project boundary. A 25-foot natural riparian buffer zone adjacent to all waters of the State at the construction site shall be preserved, to the maximum extent practicable, during construction activities at the site. The natural riparian buffer should be preserved between the top of stream bank and the disturbed construction area. The water quality buffer zone aids in the protection of waters of the State (e.g., perennial and intermittent streams, rivers, lakes, wetlands) located within or immediately adjacent to the boundaries of the project. Natural riparian buffers are not primary sediment control measures and should not be relied on as such. The natural riparian buffer requirement applies to new construction sites, or new additional acreage not previously covered by the initial permit.

1. Compliance Alternatives

- Provide and maintain a 25-foot undisturbed natural riparian buffer;
- If land disturbances are located 25 feet or farther from surface water, then compliance with this alternative has been achieved.
- Rehabilitation and enhancement of a natural riparian buffer is allowed, if necessary, for improvement for its effectiveness of protection of the waters of the State.
- Any preexisting structures (e.g., buildings, parking lots, roadways, utility lines, structures, impervious surfaces) are allowed in the natural riparian buffer; provided the Permittee retains and protects from disturbance any additional natural buffer area contained within the natural riparian buffer but outside the preexisting structures footprint.

- Provide and maintain an undisturbed natural riparian buffer that is less than 25 feet and is supplemented by additional erosion and sediment controls, which in combination achieves the sediment load reduction equivalent to a 25-foot undisturbed natural riparian buffer;
 - If it is infeasible to provide and maintain an undisturbed natural riparian buffer of any size, the Permittee must implement erosion and sediment controls that achieve the sediment load reduction equivalent to a 25-foot undisturbed natural riparian buffer;
 - All discharges from the area of earth disturbance to the natural riparian buffer must first be treated by erosion and sediment control on the site. Velocity dissipation devices should be used if necessary to prevent erosion caused by stormwater within the natural riparian buffer;
 - All compliance alternatives must be documented in the CBMPP and comply with all requirements. The natural riparian buffer boundary should be indicated on the site plan;
 - Compliance alternatives must be maintained throughout the duration of permit coverage; and
 - All natural riparian buffer areas should be delineated and clearly marked off with flags, tape, or similar marking device.
2. If there is no discharge of stormwater to waters of the State through the areas between the construction site and any waters of the State located within 25 feet of the construction site, compliance with this requirement is achieved;
3. Where no natural riparian buffer exists due to preexisting development disturbances (e.g., buildings, parking lots, roadways, utility lines, structures, impervious surfaces) that occurred prior to the initiation of planning for the current development of the site, the Permittee is not required to comply with the requirements in this section, unless portions of the preexisting development will be removed;
4. Where some natural riparian buffer exists but portions of the area within 25 feet of the waters of the State are occupied by preexisting development disturbances (e.g., buildings, parking lots, roadways, utility lines, structures, and impervious surfaces), the Permittee is required to comply with the requirements in this section. Only the portion of the buffer zone that contains the footprint of the existing "structure" is exempt from the natural riparian buffer. Activities necessary to

maintain uses are allowed provided that no additional vegetation is removed from the natural riparian buffer;

- For "linear construction projects" the Permittee is not required to comply with the requirements in this section if site constraints (e.g., limited right-of-way) prevent the Permittee from meeting any of the compliance alternatives provided that, to the extent practicable, disturbances within 25 feet of the water of the State are limited and/or supplemental erosion and sediment controls to treat stormwater discharges from earth disturbances within 25 feet of the waters of the State are provided. It must be documented in the CBMPP as to why compliance with this section is infeasible and describe any buffer width retained and/or supplemental erosion and sediment controls installed; and
- The following disturbances within 25 feet of a water of the State are exempt from the requirements in this Part:
 - Construction approved under a CWA Section 404 permit; or
 - Construction of a water-dependent structure or water access area (e.g., pier, boat ramp, seawall, bridge, drainage structure, trail, etc.)

C. Soil Stabilization

The Permittee should minimize, as feasible, the area disturbed to maintain the natural soil cover for stability. The Permittee must stabilize the exposed bare soil portions of the site:

- Implement and maintain stabilization measures (e.g., seeding protected by erosion controls until vegetation is established, sodding, mulching, erosion control blankets, hydromulch, gravel) that minimize erosion from exposed portions of the site.
- Temporary stabilization of disturbed areas must be initiated immediately whenever work toward project completion and final stabilization of any portion of the site has temporarily ceased on any portion of the site and will not resume for a period exceeding thirteen (13) calendar days.
- Final stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating, or other earth disturbing activities have permanently ceased on any portion of the site.
- The requirement to initiate stabilization immediately is triggered as soon as you know that construction work on a portion of the site is temporarily ceased and will not resume for more than thirteen (13) calendar days, or as soon as you know that construction work has permanently ceased. In the context of this provision, "immediately" means as soon as practicable, but no later than the end of the next business day, following the day when the construction activities have temporarily or permanently ceased.
- Both temporary and permanent vegetation shall be completed as provided by the guidance in the Alabama Handbook.

D. Pollution Prevention Measures

The Permittee must design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented, and maintained to:

- Provide an effective means of minimizing the discharge of pollutants from equipment and vehicle washing, wheel wash water, concrete washout, washing applicators and/or containers used for stucco, paint, concrete, or other compounds/materials and other wash waters;
- Wash waters must be treated in a sediment basin or alternative control (e.g., sediment trap, filtration device, filter bags, or similar effective controls) that provides equivalent or better treatment prior to discharge;
- Liquid waste shall not be directly discharged into storm sewers;
- Washout and cleanout activities should be located as far away as possible from surface waters, natural buffer areas, stormwater inlets, and conveyances; and
- For storage of soaps, detergents, or solvents, provide either (1) cover (e.g., plastic sheeting or temporary roofs) to minimize exposure of these detergents to precipitation and to stormwater or (2) a similarly effective means designed to minimize the discharge of pollutants from these areas.

- Provide an effective means of minimizing the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials present on the site to precipitation and to stormwater;
- Provide either (1) cover (e.g., plastic sheeting or temporary roofs) to minimize exposure of these detergents to precipitation and to stormwater or (2) a similarly effective means designed to minimize the discharge of pollutants from these areas;
- Provide waste containers (e.g., dumpster, trash receptacle) of sufficient size and number to contain construction wastes;
- Locate waste containers as far away as possible from waters of the State and stormwater inlets or conveyances so that stormwater coming into contact with these activities cannot reach water of the State;
- For sanitary waste, position portable toilets so that they are on level ground and are located as far away as possible from waters of the State and stormwater inlets or conveyances; and
- Comply with all application and disposal requirements included on the fertilizer, pesticide, herbicide, or detergent label.

- Provide an effective means of minimizing the discharge of pollutants caused by spills and leaks from, including but not limited to, vehicles, mechanical equipment, chemical storage, and refueling activities;
 - Locating activities away from waters of the State and stormwater inlets or conveyances so that stormwater coming into contact with these activities cannot reach water of the State;
 - Providing secondary containment and cover where appropriate;
 - Ensure adequate supplies are available at all times to handle spills, leaks, and disposal of used liquids. Have a spill kit available on site and ensure personnel are available and trained to respond expeditiously in the event of a leak or spill; and
 - Clean up spills or contaminated surfaces immediately (do not clean contaminated surfaces by hosing the area down) and eliminate the source of the spill to prevent a discharge or a continuation of an ongoing discharge.
- Apply treatment chemicals at the site only where treated stormwater is directed to a sediment control (e.g., sediment basin,

perimeter control) that allows for on-site particle settlement before final discharge.

E. Construction Best Management Practices Plan (CBMPP) (PART)

5. Maintain an Updated CBMPP

- The CBMPP shall be updated as necessary to address changes in the construction activity, site weather patterns, new TMDLs finalized or approved by EPA, new 303(d) listings approved by EPA, or manufacturer specifications for specific control technologies;
- The CBMPP shall be amended if inspections or investigations by site staff or by local, state, or federal officials determine that the existing sediment control measures, erosion control measures, or other site management practices are ineffective or do not meet the requirements of this permit. All necessary modifications to the CBMPP shall be made within seven (7) calendar days following notification of the inspection unless granted an extension of time by the Department;
- If existing sediment control measures, erosion control measures, or other site management practices prove ineffective in protecting water quality or need to be modified; or if additional sediment control measures, erosion control measures, or other site management practices are necessary to meet the requirements of this permit, implementation shall be completed as soon as possible, but not to exceed five (5) days of the observation or site inspection unless prevented by unsafe weather conditions. If unsafe weather conditions are present, they should be documented. If implementation before the next storm event is impracticable, then new land disturbance activities must cease until the modified or additional controls can be implemented; and
- A copy of the CBMPP shall be maintained at the site during normal operating hours as defined by Part V of this permit when regulated land disturbing activities are occurring.

F. Spill Prevention, Control, and Management

- The Permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 CFR Part 112 and ADEM Admin Code r.335-6-6-.12(r) for all applicable onsite petroleum storage tanks;
 - The Permittee shall prepare, implement, and maintain a SPCC Plan in accordance with ADEM Admin Code r.335-6-6-.12(r) for any stored pollutant(s) that may, if spilled, be reasonably expected to enter a water of the state or the collection system for a publicly or privately owned treatment works;
 - The SPCC Plan(s) shall be maintained as a separate document or as part of the CBMPP Plan required in Part III.E.
 - The Permittee shall implement appropriate structural and/or non-structural spill prevention, control, and/or management sufficient to prevent any spills of pollutants from entering a water of the State or a publicly or privately owned treatment works. The plan(s) must be consistent with the requirements of 40 CFR Part 112 and/or ADEM Admin Code r.335-6-6-.12(r). Any containment system used to implement this requirement shall be constructed of materials compatible with the substance(s) contained and of materials which shall prevent the contamination of groundwater and shall be capable of retaining 110 percent of the volume of the largest container of pollutants for which the containment system is provided;
 - The Permittee shall maintain onsite or have readily available sufficient oil & grease absorbing material and flotation booms to contain and clean-up leak or chemical spills and leaks; and
 - Soil contaminated by paint or chemical spills, oil spills, etc. must be immediately cleaned up, remediated, or be removed and disposed of in a Department approved manner.
3. Discharges of toxic or hazardous substances from a spill to other release or prohibited, consistent with Part I.D.
- Where a leak, spill, or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR 110, 40 CFR 117, or 40 CFR 302 occurs during a 24-hour period, the National Response Center (NRC) must be notified at (800) 424-8802, in accordance with the requirements of 40 CFR 110, 40 CFR 117, or 40 CFR 302 as soon as the Permittee has knowledge of the release; and
 - Within five (5) calendar days of knowledge of the release, the Permittee must provide a description of the release, the circumstances leading to the release, and the date of the release.

G. Training

Unless the Permittee has employed or contracted with a QCP that performs duties as required by this permit, and the QCP is readily available and able to be present onsite as often as is necessary to ensure full compliance with the requirements of this permit, the Permittee shall ensure that:

- At least one onsite employee shall be certified as a Qualified Credentialed Inspector (QCI) by completing an initial training and annual refreshers through an ADEM-approved Qualified Credentialed Inspector Program conducted by a cooperating training entity.
- The QCP must be approved by the Department prior to use and provide training in the following areas:
 - The applicable requirements of the Alabama NPDES rules;
 - The requirements of this permit;
 - The evaluation of construction sites to ensure that erosion controls and sediment controls designed and certified by a QCP detailed in a site-specific CBMPP are effectively implemented and maintained;
 - The evaluation of conveyance structures, receiving waters and adjacent impacted offsite areas to ensure the protection of water quality and compliance with the requirements of this permit; and
 - The general operation of a turbidity meter or similar device intended for the measurement of turbidity.
- Each individual holding a QCI Certification need not be on-site continuously and they may conduct site inspections at multiple sites permitted by them or their employer.
- Each individual holding QCI certification shall obtain annual certification of satisfactory completion of formal refresher education or training regarding general erosion controls and sediment controls, the requirements of this permit, and the general operation of a turbidity meter or similar device intended for the measurement of turbidity. The refresher training requirements, including but not limited to, appropriate curricula, course content, course length, and any participant testing, shall be subject to acceptance by the Director prior to use.

H. Inspection Requirements

- Pre-Construction Observations
 - A pre-construction site inspection shall be conducted prior the placement of any BMPs, or the commencement of land disturbing activities.
 - Pre-construction site inspection shall consist of a complete and comprehensive inspection of the entire proposed construction site including all proposed areas of land disturbance, proposed areas used for storage of materials that may be exposed to precipitation, affected ditches, and other stormwater conveyances, as well as all proposed outfalls, receiving waters and stream banks to determine if there are pre-existing areas of concern.
 - Pre-construction inspections shall be conducted by the QCP, or by a qualified person under the direct supervision of a QCP;
 - The inspection shall be documented and made available to the Department upon request;
 - Pre-construction inspection shall include dated electronic photographic documentation of all areas described in paragraph (b) above; and
 - The Permittee shall maintain record of the pre-construction site inspection pursuant to Part IV.K.
- Daily Observations
 - Each day there is activity at the site, the Permittee shall visually observe that portion of the construction project where active disturbance, work, or construction occurred to note any rainfall measurements occurring since the previous observation and any apparent BMP deficiencies in the area of active disturbance;
 - Such daily observations may be performed by appropriate site personnel; and
 - The Permittee shall maintain a log of all daily observations and record in such log any rainfall measurements and BMP deficiencies observed.
- Site Inspections
 - Site inspections shall be performed by a QCI, QCP, or a qualified person under the direct supervision of a QCP;
 - A site inspection shall consist of a complete and comprehensive observation of the entire construction site including all areas of land disturbance, areas used for storage of materials that are exposed to precipitation, equipment storage and maintenance areas, affected ditches and other stormwater conveyances, as well as all outfalls, receiving waters, and stream banks to determine if, and ensure that:
 - Effective erosion controls and sediment controls have been fully implemented and maintained in accordance with this permit, the site CBMPP, and the Alabama Handbook;
 - Pollutant discharges are being prevented/minimized; and
 - Discharges do not result in a contravention of applicable State water quality standards for the receiving stream(s) or other waters impacted or affected by the Permittee.
 - For non-linear projects, a site inspection shall be performed once each month and after any qualifying precipitation event since the last inspection, 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;
 - For linear projects, a site inspection shall be performed at least once a month and after any qualifying precipitation event since the last inspection, beginning as promptly as possible, but no later than 24-hours after resuming or continuing active construction or disturbance and completed no later than five (5) days after the qualifying precipitation event, on areas of active construction and/or where perennial vegetation has not been fully established, or meeting the definition of final stabilization;
 - A site inspection shall also be performed as often as is necessary until any poorly functioning erosion controls or sediment controls, non-compliant discharges, or any other deficiencies observed during a prior inspection are corrected and documented as being in compliance with the requirements of this permit;
 - On all active disturbance, dredging, excavation, or construction undertaken or located within the banks of a waterbody, including but not limited to, equipment/vehicle crossings, pipelines, or other transmission line installation, conveyor structure installation, and waterbody relocation, streambank stabilization, or other alterations, a site inspection shall be performed at least once a week and as often as is necessary until the disturbance/activity impacting the waterbody is complete and reclamation or effective stormwater quality remediation is achieved;
 - The inspection shall be recorded in a written format acceptable to the Department. The inspection record shall include:
 - The site name and location, date and entry/exit time, outfall identification(s), date, time and exact place of any turbidity sampling performed;
 - The name(s) of person(s) who performed the inspection and/or obtained any turbidity samples or measurements;
 - The analytical results of any samples or measurements performed;
 - A description of any sampling and analytical techniques or methods used, including source of method and method number;
 - Weather conditions at the time of the inspection;
 - Description of any discharges of sediment or other pollutants from the site;
 - Locations of discharges of sediment or other pollutants from the site;
 - Locations of BMPs that need repair, replacement and/or maintenance;
 - Locations of BMPs that failed to operate as designed;
 - Locations where BMPs required by the CBMPP are not installed or installed in a manner inconsistent with the CBMPP; and
 - Locations where additional BMPs are needed that did not exist at the time of the inspection. This requirement is applicable only to site inspections performed by a QCP or qualified persons under the direct supervision of a QCP.
 - Results of all required inspections shall be available for inspection no later than 15 days following the date of the inspection, monitoring, or sampling; and
 - Reports shall be legible and bear an original signature or in the case of electronic reports, an electronic signature.

(GENERAL PERMIT REQUIREMENTS CONT'D C502)

GENERAL PERMIT REQUIREMENTS

SHELBY CO. LANDFILL SCALEHOUSE

SR 70 COLUMBIANA, AL

SHELBY CO. FACILITIES COLUMBIANA, AL

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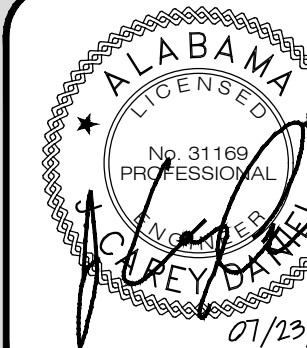
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C501 R.O

PROJECT

24-0098

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 AWPCCA 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 AWPCCA, 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 does not 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 rule 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-.23(7)(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 AWPCCA, 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 AWPCCA, 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 AWPCCA 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 occurrence.
- 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(9).
- 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 AWPCCA 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 AWPCCA 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 AWPCCA, 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 AWPCCA, 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 .34" 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.
14. 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.

NO	REVISIONS	DESCRIPTION	DATE
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CBMPP NOTES

SHELBY CO. LANDFILL SCALEHOUSE

SR 70

COLUMBIANA, AL

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COLUMBIANA, AL

GONZALEZ - STRENGTH & ASSOCIATES, INC.

CIVIL ENGINEERING - TRANSPORTATION ENGINEERING - LAND SURVEYING

LAND PLANNING - LANDSCAPE ARCHITECTURE

1550 WOODS OF RIVERCHASE DRIVE SUITE 200

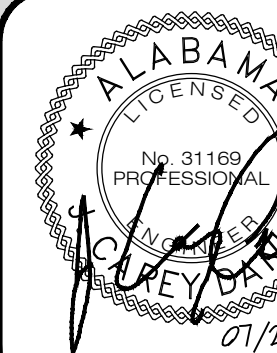
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FAX: (205) 942-3033

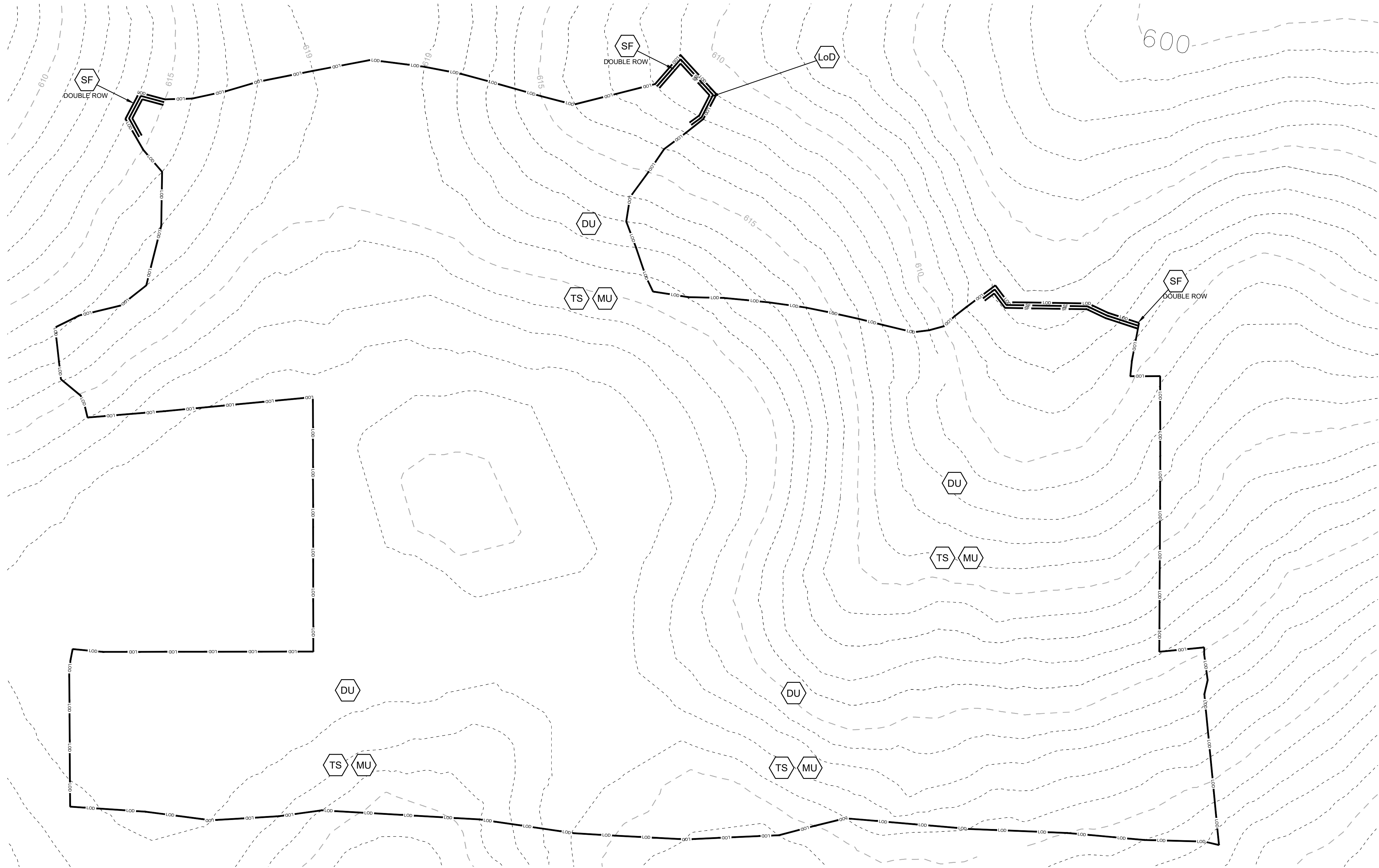
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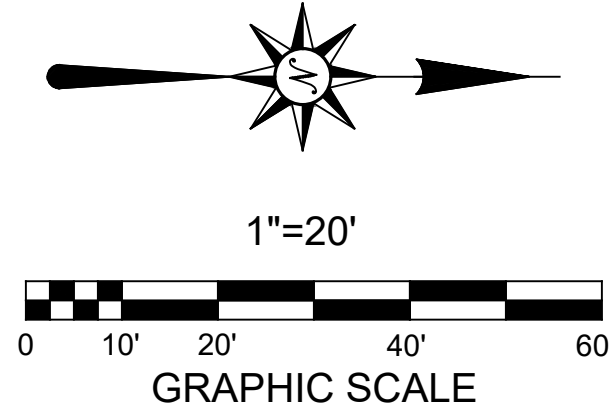
DWG NO. C502_R0

PROJECT 24-0098



CBMPP - PHASE I LEGEND

- LOD — Limits of Disturbance, Typical.
- SF — Silt Fence Req'd., Typical. See SF/C550.
- DU Dust Control Req'd.
- TS MU Temporary Seeding and Mulch Req'd. See Detail.



CBMPP SEQUENCE - PHASE I

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.

REFER TO SURVEY FOR
EXISTING CONDITIONS LEGEND

REVISIONS		DATE
NO.	DESCRIPTION	
0	ISSUE FOR BID	7/23/2024
1		
2		
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4		

CBMPP - PHASE I

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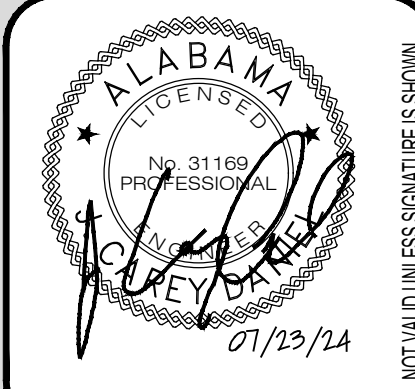
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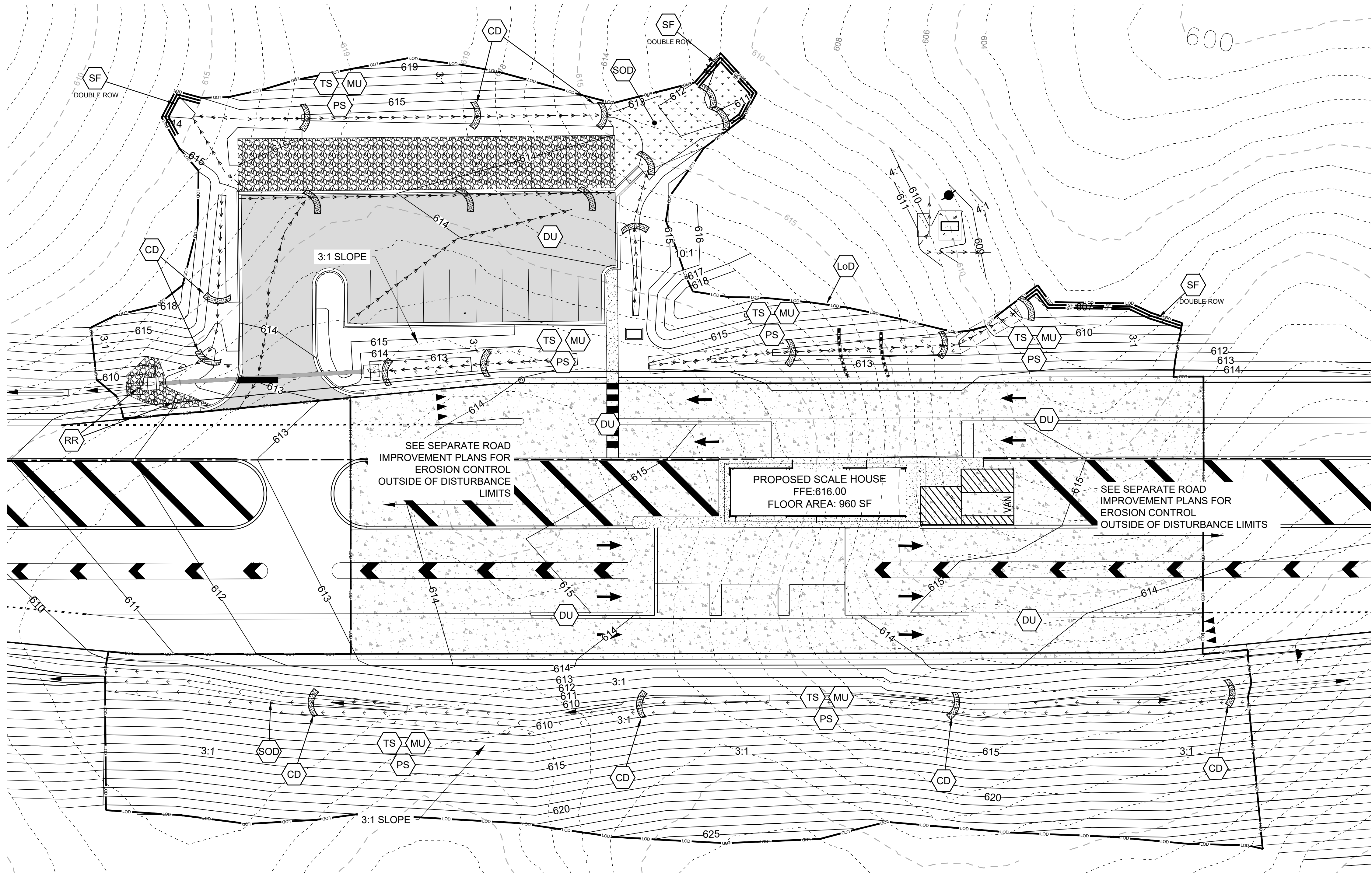
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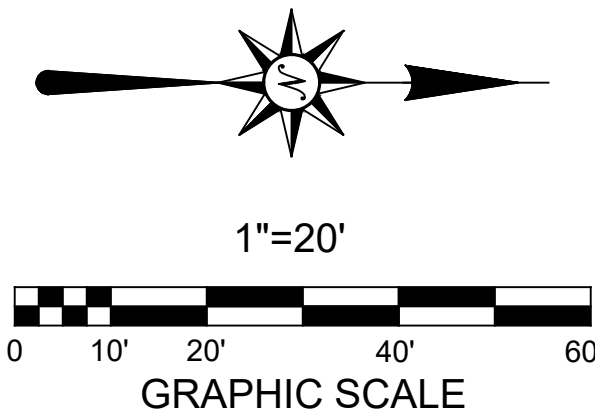
DWG NO.
C503 R 0

PROJECT
24-0098



CBMPP - PHASE II/III LEGEND

- LOD — (LoD) LIMITS OF DISTURBANCE, TYPICAL.
- SF — (SF) SILT FENCE REQ'D., TYPICAL. SEE SF/C550.
- (RR) RIP-RAP PAD REQ'D. SEE RR/C550.
- (DU) DUST CONTROL REQ'D.
- (TS) (MU) TEMPORARY SEEDING AND MULCH REQ'D. SEE DETAIL.
- (PS) PERMANENT SEEDING, MULCH, AND LANDSCAPING REQ'D. SEE PS/C550.
- (CD) CHECK DAM WADDLE REQ'D. SEE CD/C550.
- (SOD) SOLID SOD REQ'D. SEE C550.



CBMPP SEQUENCE - PHASE II & III

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.
5. 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.
6. ONCE FINAL STABILIZATION IS ACHIEVED AS DETERMINED BY THE CIVIL ENGINEER OF RECORD AND OWNER, CONTRACTOR TO FILE NOTICE OF TERMINATION (NOT) WITH ADEM.

REFER TO SURVEY FOR
EXISTING CONDITIONS LEGEND

REVISIONS		DATE
NO.	DESCRIPTION	
0	ISSUE FOR BID	7/23/2024
1		
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CBMPP - PHASE II

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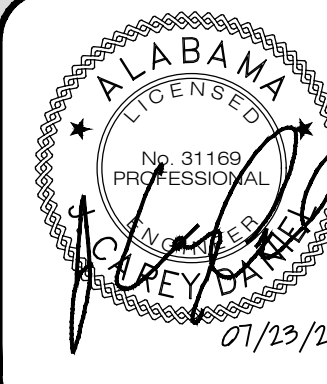
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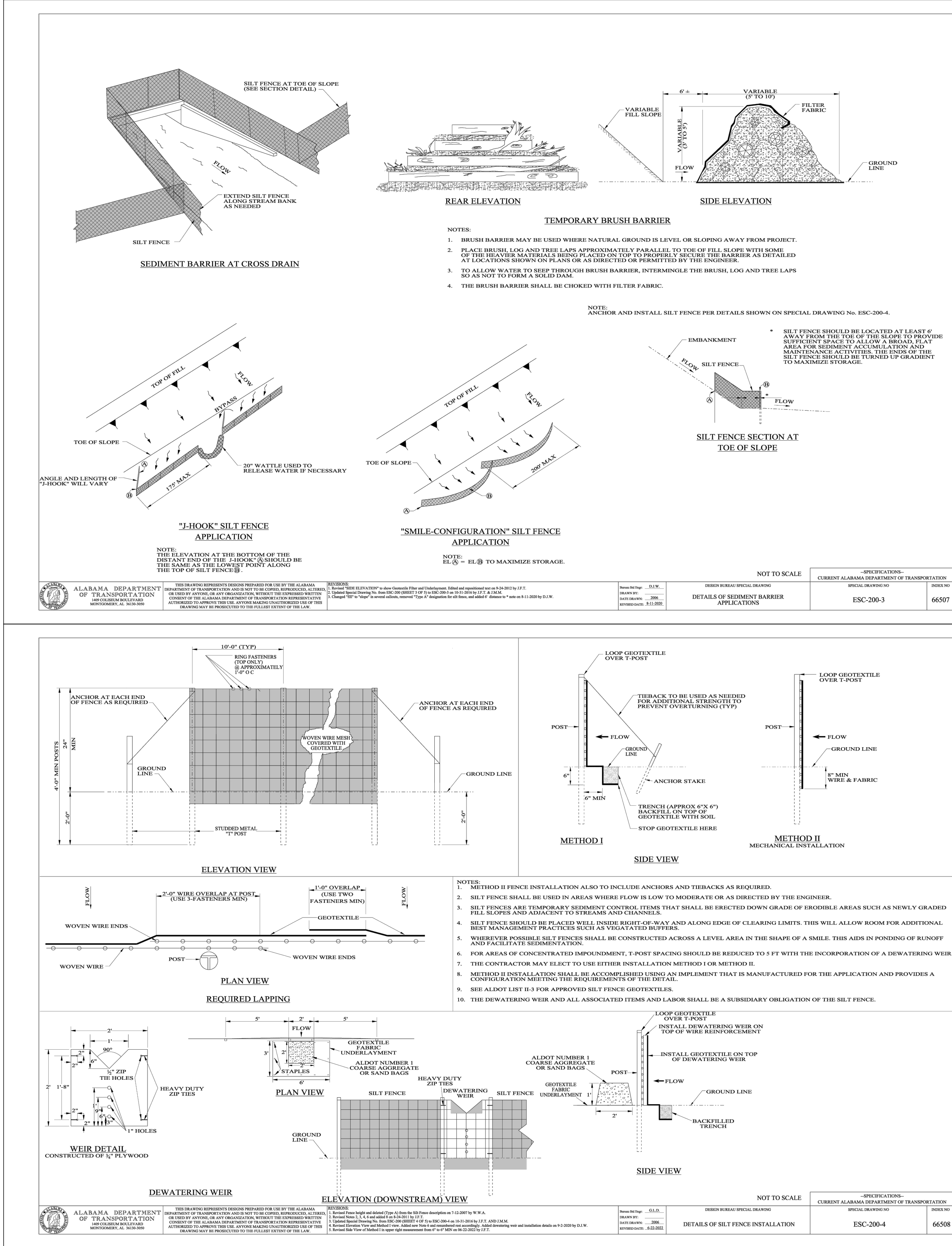
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24-0098



- 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.
 - 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.
 - 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.
 - 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.
 - INSTALL EROSION CONTROL BLANKET ON SLOPES STEEPER THAN 3:1 AND AS DIRECTED ON THE SITE PLANS AFTER SEED HAS BEEN INSTALLED.
 - 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

Construction Specifications:
Timing:
Apply permanent seeding on areas left dormant for 1 year or more.
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.

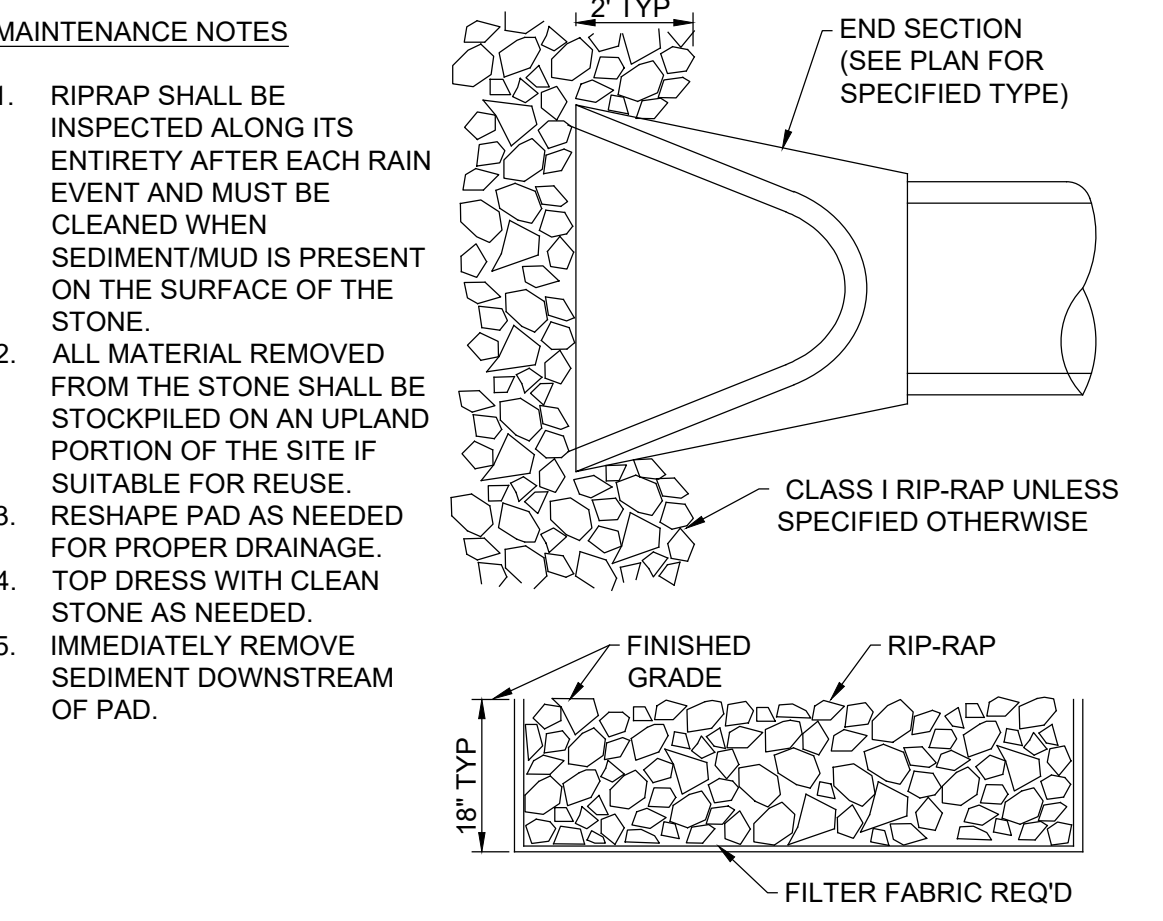
SEEDING

Figure SOD-1 Geographical Areas for Species Adaptation

SPECIES	BROADCAST Rates PLS per Acre 1000 SF	RESOURCE	REMARKS
SUDAGRASS			
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 (Panicum 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 COMPETITION IN MIXTURES IF SEED AT HIGH RATES
RYE (Schede cereale)			
ALONE	3 bu (168 lbs.) 1/2 bu. 0.6 lb. (28 lbs.)	NORTH CENTRAL SOUTH	18,000 SEED PER POUND DENSE COVER BROWN TOP DROUGHT TOLERANT AND WINTER- HARDY
RYEGRASS, ANNUAL (Lolium temulentum)			
ALONE	30 lbs. 0.7 lb.	NORTH CENTRAL SOUTH	227,000 SEED PER POUND DENSE COVER VERY COMPETITIVE AND 5:30:10 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

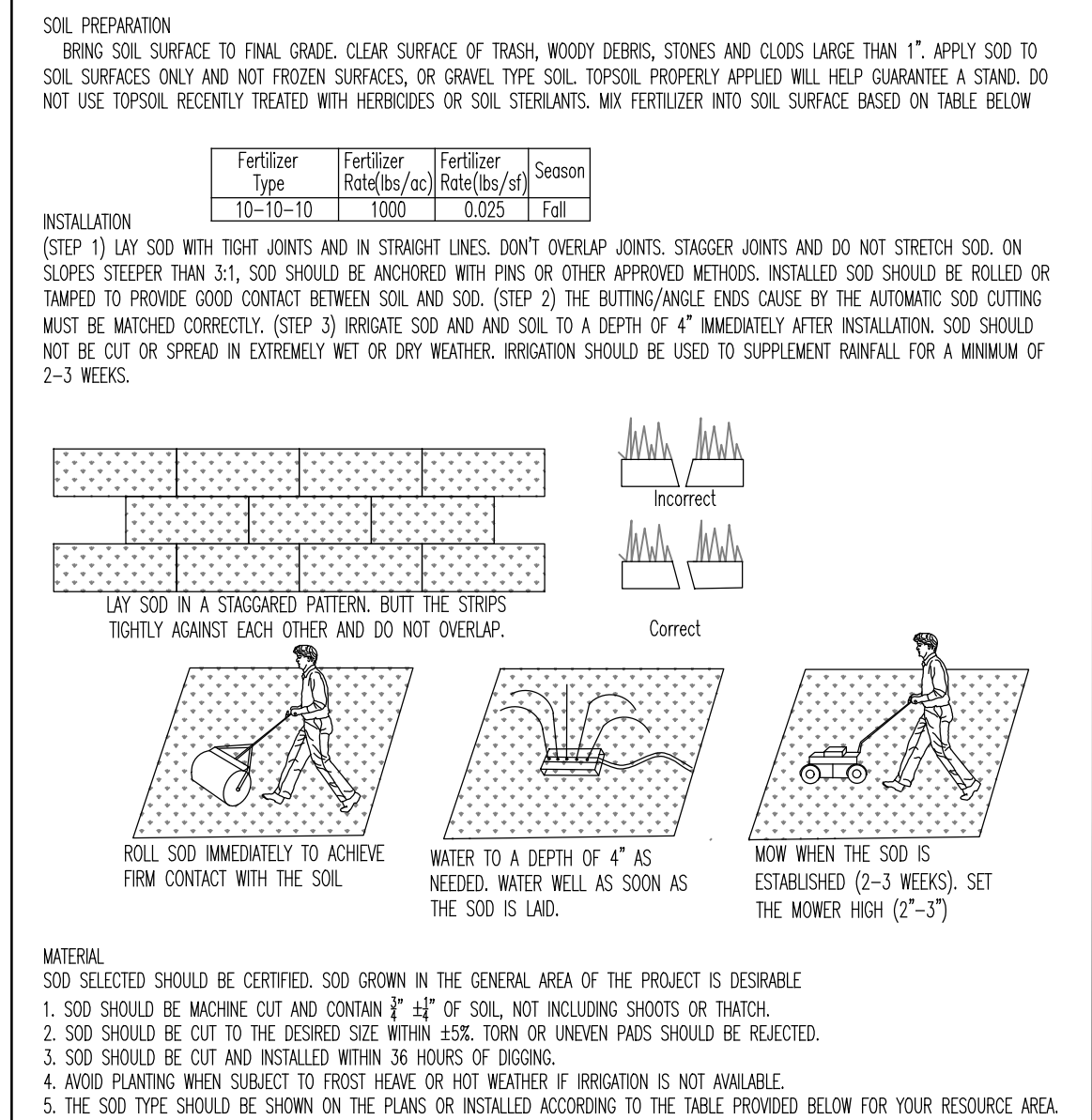
PS - PERMANENT SEEDING



RR - RIP-RAP PLACEMENT DETAIL

- 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.
- PREPARATION: INSTALL 4 INCHES OF TOPSOIL OVER ALL AREAS TO BE SODDED. RAKE SMOOTH TO GRADES SHOWN. ADD FERTILIZERS AND OTHER AMENDMENTS IN QUANTITIES AS RECOMMENDED IN THE SOIL TEST REPORT, UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
- SOD: PROVIDE FRESH WELL-ROOTED SOD FREE OF WEEDS, DISEASE, INSECTS, AND OTHER GRASSES. SOD SHALL BE MACHINE CUT WITH CLEAN EDGES TO A UNIFORM THICKNESS WITH 1.5" OF TOPSOIL AND A TURF HEIGHT OF 1 TO 1 1/2 INCHES. MOW PRIOR TO CUTTING.
- INSTALLATION: INSTALL WITH TIGHT FITTED JOINTS. LAY PERPENDICULAR TO DIRECTION OF SLOPE. STAGGER STRIPS TO OFFSET JOINTS OF ADJACENT COURSES. SET SOD WITH WATER BALLAST ROLLER AND WATER THOROUGHLY TO SATURATE SOD AND SUBSOIL. SECURE SOD WITH STAPLES ON SLOPES 2.5:1 AND STEEPER.
- MAINTENANCE & GUARANTEE: ALL SODDED 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, UNTIL A FULL STAND OF GRASS, FREE FROM WEEDS, DISEASE, AND INSECTS IS ACHIEVED AND ACCEPTABLE TO OWNER. REPLACE ANY DEAD SOD.

SOD NOTE



SOD SODDING LOCATION IN MANUAL : P. 73

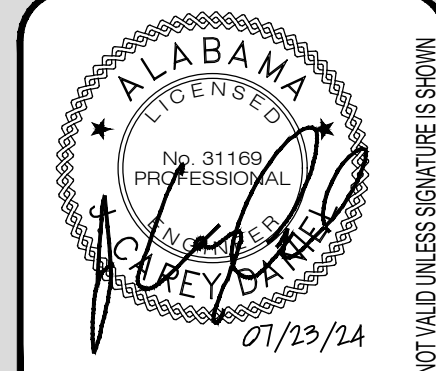
PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS

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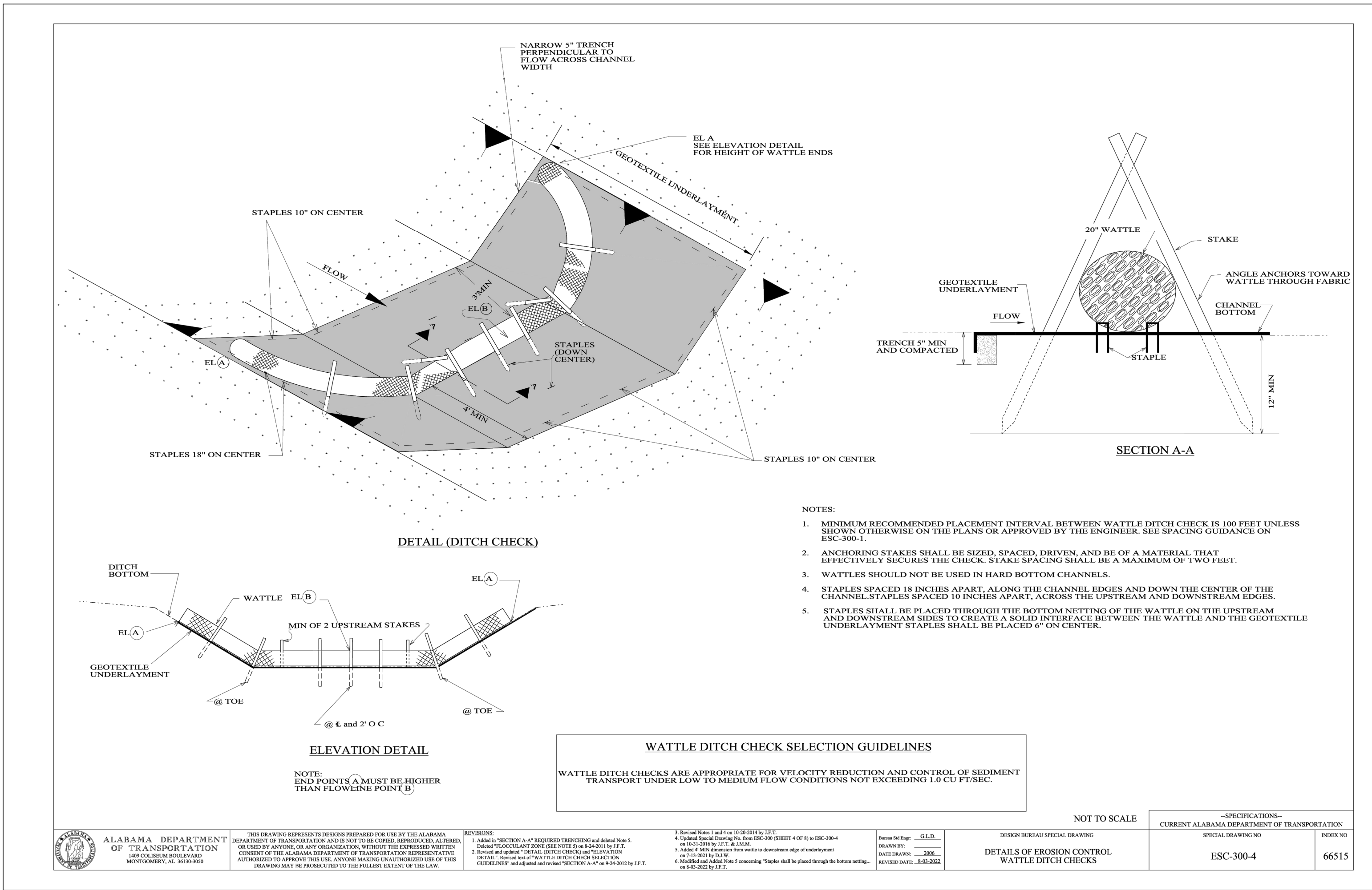
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CBMPP DETAILS

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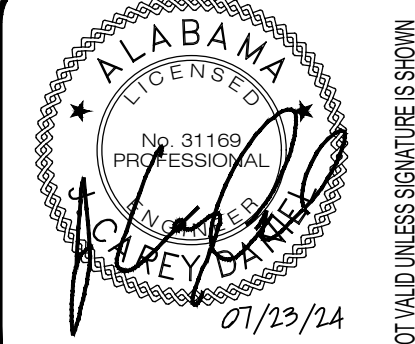
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PROJECT
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2021 IBC - SCHEDULE OF SPECIAL INSPECTIONS		
MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
STEEL CONSTRUCTION (IBC 1705.2)		
FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360-16, CHAPTER N, SECTION 3 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	EACH SUBMITTAL	TO BE COMPLETED IN SUBMITTAL REVIEW PROCESS.
MATERIAL VERIFICATION OF STRUCTURAL STEEL	PERIODIC	PERFORM SHOP AND FIELD INSPECTION.
VERIFY DIAMETER, GRADE, TYPE, LENGTH, AND EMBEDMENT OF ANCHOR RODS FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS.	CONTINUOUS	
VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS.	CONTINUOUS	
STRUCTURAL STEEL (IBC 1705.2.1)		
PRIOR TO WELDING (TABLE N5.4-1, AISC 360-16)		
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	OBSERVE	
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	PERFORM	TO BE COMPLETED IN SUBMITTAL REVIEW PROCESS.
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	PERFORM	
MATERIAL IDENTIFICATION	OBSERVE	PERFORM SHOP AND FIELD INSPECTION TO VERIFY TYPE AND GRADE OF MATERIAL.
WELDER IDENTIFICATION	OBSERVE	A SYSTEM SHALL BE MAINTAINED BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED
ACCESS HOLES	OBSERVE	VERIFY CONFIGURATION AND FINISH
FIT-UP OF FILLET WELDS	OBSERVE	VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, AND TACK WELD QUALITY AND LOCATION
DURING WELDING (TABLE N5.4-2, AISC 360-16):		
CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	VERIFY PACKAGING AND EXPOSURE CONTROL.
CRACKED TACK WELDS	OBSERVE	VERIFY THAT WELDING DOES NOT OCCUR OVER CRACKED TACK WELDS.
ENVIRONMENTAL CONDITIONS	OBSERVE	VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE.
WPS FOLLOWED	OBSERVE	VERIFY ITEMS SUCH AS SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.
WELDING TECHNIQUES	OBSERVE	VERIFY INTERPASS AND FINAL CLEANING. EACH PASS IS WITHIN PROFILE LIMITATIONS, AND QUALITY OF EACH PASS.
AFTER WELDING (TABLE N5.4-3, AISC 360-16):		
WELDS CLEANED	OBSERVE	VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED.
SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM	
WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM	VERIFY THAT WELDS MEET VISUAL ACCEPTANCE CRITERIA INCLUDING: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, AND POROSITY.
ARC STRIKES	PERFORM	
K-AREA	PERFORM	WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 INCHES OF THE WELD.
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES	PERFORM	AFTER ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS
BACKING & WELD TABS REMOVED (IF REQUIRED)	PERFORM	
REPAIR ACTIVITIES	PERFORM	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT/MEMBER	PERFORM	
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	OBSERVE	
NONDESTRUCTIVE TESTING (SECTION N5.5, AISC 360-16):		
WELDED JOINTS SUBJECT TO FATIGUE	PERFORM	WHEN REQUIRED BY APPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RADIOGRAPHIC OR ULTRASONIC INSPECTION SHALL BE TESTED AS PRESCRIBED.
CONNECTING ELEMENTS	OBSERVE	VERIFY APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET REQUIREMENTS.
PRE-INSTALLATION VERIFICATION TESTING	OBSERVE	OBSERVE AND DOCUMENT VERIFICATION TESTING BY INSTALLATION PERSONNEL FOR FASTENER ASSEMBLIES AND METHODS USED.
PROTECTED STORAGE	OBSERVE	VERIFY PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS.
INSPECTION OF GALVANIZED STRUCTURAL STEEL MAIN MEMBERS (SECTION N5.7, AISC 360-16):		
CRACKS ON CUT SURFACES	PERFORM	EXPOSED CUT SURFACES OF GALVANIZED STRUCTURAL STEEL MAIN MEMBERS AND EXPOSED CORNERS OF HSS SHALL BE VISUALLY INSPECTED FOR CRACKS SUBSEQUENT TO GALVANIZING. CRACKS SHALL BE REPAIRED OR THE MEMBER SHALL BE REJECTED.
OTHER STEEL INSPECTIONS (SECTION N5.8, AISC 360-16; TABLE J6.1, AISC 341-16):		
ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL	CONTINUOUS	SHALL BE ON THE PREMISES DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS. VERIFY THE DIAMETER, GRADE, TYPE, AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.
FABRICATED STEEL OR ERECTED STEEL FRAME	PERFORM	VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS (INCLUDES SUCH ITEMS AS BRACES, STIFFENERS, MEMBER LOCATIONS AND THE CORRECT APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	PERFORM	
REINFORCING STEEL	CONTINUOUS	VERIFY APPROPRIATE REINFORCEMENT TYPE/GRADE, SIZE, SPACING, AND ORIENTATION; THAT IT HAS NOT BEEN RE-BENT IN THE FIELD; THAT IT IS CORRECTLY TIED AND SUPPORTED; AND THAT REQUIRED STEEL CLEARANCES HAVE BEEN PROVIDED.
CONCRETE CONSTRUCTION (IBC 1705.3 AND IBC TABLE 1705.3):		
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	PERIODIC	REFERENCE ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3 AND IBC 1908.4
WELDING OF REINFORCING BARS:		
VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	PERIODIC	REFERENCE AWS D1.4 AND ACI 318: 26.6.4
INSPECT SINGLE-PASS FILLET WELDS (MAX = 5/16")	PERIODIC	
INSPECT ALL OTHER WELDS	CONTINUOUS	
INSPECT ANCHORS CAST IN CONCRETE	PERIODIC	REFERENCE ACI 318: 17.8.2
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:	CONTINUOUS	SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 318: 17.8.2 OR OTHER QUALIFICATION PROCEDURES, WHERE NOT PROVIDED; CONSULT WITH REGISTERED DESIGN PROFESSIONAL FOR REQUIREMENTS TO BE APPROVED BY BUILDING OFFICIAL PRIOR TO PROCEEDING.
ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	CONTINUOUS	REFERENCE ACI 318: 17.8.2.4
MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE	PERIODIC	REFERENCE ACI 318: 17.8.2
VERIFY USE OF REQUIRED DESIGN MIX.	PERFORM	REFERENCE ACI 318: CH. 19, 26.4.3, 26.4.4 AND IBC 19104.1-2, 1908.2-3
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	REFERENCE ASTM C172 & C31; ACI 318: 26.4, 26.12; IBC 1908.10
INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	REFERENCE ACI 318: 26.5 AND IBC 1908.6-8
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	REFERENCE ACI 318: 26.5.3-5 AND IBC 1908.9
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	REFERENCE ACI 318: 26.11.1,2(B)

2021 IBC - SCHEDULE OF SPECIAL INSPECTIONS		
MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
WOOD CONSTRUCTION (IBC 1705.5)		SPECIAL INSPECTIONS OF PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH IBC 1704.2.5. SEE BELOW FOR INSPECTIONS REQUIRED FOR SITE-BUILT ASSEMBLIES.
HIGH-LOAD DIAPHRAGMS (IBC 1705.5.1)	PERFORM	VERIFY WOOD STRUCTURAL PANEL SHEATHING (GRADE/THICKNESS) FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. VERIFY THE NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL OR STAPLE DIAMETER AND LENGTH, AND NUMBER OF FASTENER LINES AND THAT SPACING BETWEEN FASTENERS IN EACH LINE AND AT THE EDGE MARGINS ARE IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLD-DOWNS	PERIODIC	EXCEPTION: NOT REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE MAIN WIND FORCE-RESISTING SYSTEM, WHERE THE SPECIFIED FASTENER SPACING AT PANEL EDGES >4IN ON CENTER.
STRUCTURAL WOOD SEISMIC RESISTANCE (1705.12.2)		APPLICABLE TO SEISMIC FORCE-RESISTING SYSTEMS WITH SEISMIC DESIGN CATEGORY C, D, E, OR F.
FIELD GLUING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM	CONTINUOUS	
NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLD-DOWNS	PERIODIC	EXCEPTION: NOT REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING AND OTHER FASTENING TO OTHER ELEMENTS OF THE SEISMIC FORCE-RESISTING SYSTEM, WHERE THE FASTENER SPACING OF THE SHEATHING IS >4IN ON CENTER.
SOILS (IBC 1705.6)		
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS	
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	
STRUCTURAL OBSERVATIONS (IBC 1704.6)		
ITEM TO BE OBSERVED:		NAME OF STRUCTURAL OBSERVER
FOOTINGS & PIERS		
CONCRETE WALLS		
WOOD WALLS		
STEEL BRACED FRAMES		
WOOD DIAPHRAGMS		
OTHER:		
OTHER:		
OTHER:		

*INSPECTION AGENTS FIRM	ADDRESS	TELEPHONE NO.
1. OWNER'S TESTING AGENCY		
2.		
3.		
4.		
NOTE: THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OF SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE INSPECTION AGENT(S) MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.		
DATE:		


NOTES:

1. STRUCTURAL STEEL WELDING:
A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS - CONTINUOUS.
B. MULTIPLE - PASS FILLET WELDS - CONTINUOUS.
C. PLUG AND SLOT WELDS - CONTINUOUS.
D. SINGLE - PASS FILLET WELDS < 5/16" - PERIODIC.
E. DECK WELDS - PERIODIC.

2. REINFORCING STEEL WELDING:
A. VERIFICATION OF WELDABILITY - PERIODIC.
B. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL IN INTERMEDIATE AND SPECIAL MOMENT FRAMES AND BOUNDARY ELEMENTS IN SPECIAL WALLS OR SHEAR REINF - CONTINUOUS.
C. SHEAR REINFORCEMENT - CONTINUOUS.
D. OTHER REINFORCING - PERIODIC.
3. EXCEPTIONS: SPECIAL INSPECTIONS SHALL NOT BE REQUIRED FOR:
A. ISOLATED SPREAD CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK.
B. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK WHERE:
1. FOOTINGS SUPPORT WALLS OF LIGHT-FRAME CONSTRUCTION.
2. FOOTINGS ARE DESIGNED IN ACCORDANCE WITH TABLE 1809.7.
3. THE STRUCTURAL DESIGN OF THE FOOTING IS BASED ON A SPECIFIED COMPRESSIVE STRENGTH, F_c, NO GREATER THAN 2500 POUNDS PER SQUARE INCH (PSI), REGARDLESS OF THE COMPRESSIVE STRENGTH SPECIFIED IN THE CONSTRUCTION DOCUMENTS OR USED IN THE FOOTING CONSTRUCTION.
C. NONSTRUCTURAL CONCRETE SLABS SUPPORTED DIRECTLY ON THE GROUND, INCLUDING PRESTRESSED SLABS ON GRADE, WHERE THE EFFECTIVE PRESTRESS IN THE CONCRETE IS LESS THAN 150 PSI.
D. CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH TABLE 1807.1.6.2.
E. CONCRETE PATIOS, DRIVEWAYS AND SIDEWALKS ON GRADE.

DEFINITIONS:

PERIODIC - PART-TIME OR INTERMITTENT OBSERVATION OF WORK THAT HAS BEEN/IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
CONTINUOUS - FULL-TIME OBSERVATION OF WORK. INSPECTOR IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
OBSERVE - INSPECT THESE ITEMS ON A RANDOM/INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
PERFORM - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER, BOLTED CONNECTION, OR STEEL ELEMENT PRIOR TO FINAL ACCEPTANCE.



3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #24005

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Shelby County Landfill Scale House Project

AL Highway 70

Shelby County, AL.

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I T B C
T O R L

Stephen Coker Architect LLC

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

DRAWING DATE 07/09/2024
DRAWN BY JAS
PROJECT NO 260314

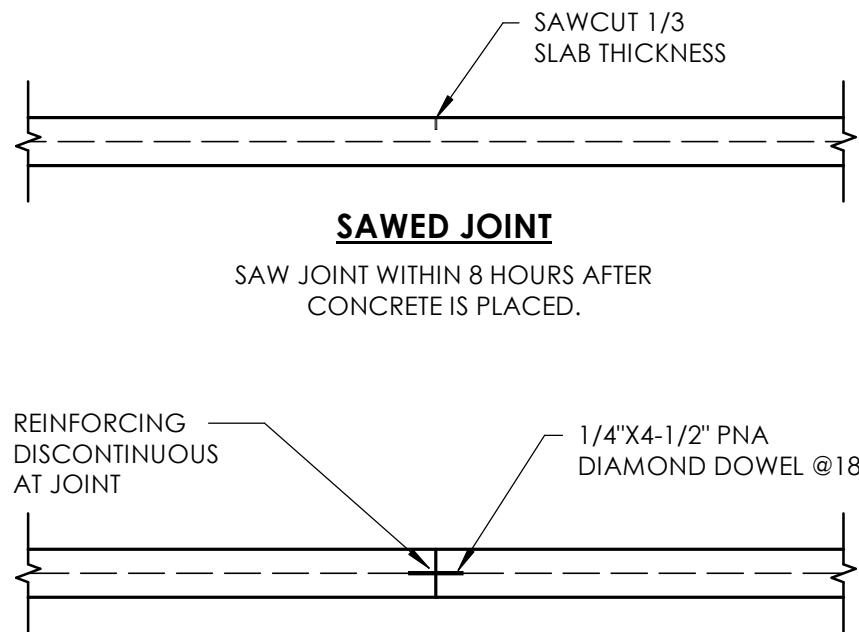
SHEET NO
S2
OF SHEETS

SLAB/WALL TENSION LAP SPICE SCHEDULE		
BAR SIZE	f _c = 4000 PSI	
	TOP BARS	OTHER BARS
#3	15"	12"
#4	25"	19"
#5	36"	28"
#6	49"	37"
#7	78"	60"
#8	97"	74"
#9	117"	90"
#10	141"	108"
#11	165"	127"

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

FOOTING TENSION LAP SPICE SCHEDULE		
BAR SIZE	f _c = 4000 PSI	
	TOP BARS	OTHER BARS
#3	25"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"
#10	101"	78"
#11	114"	87"

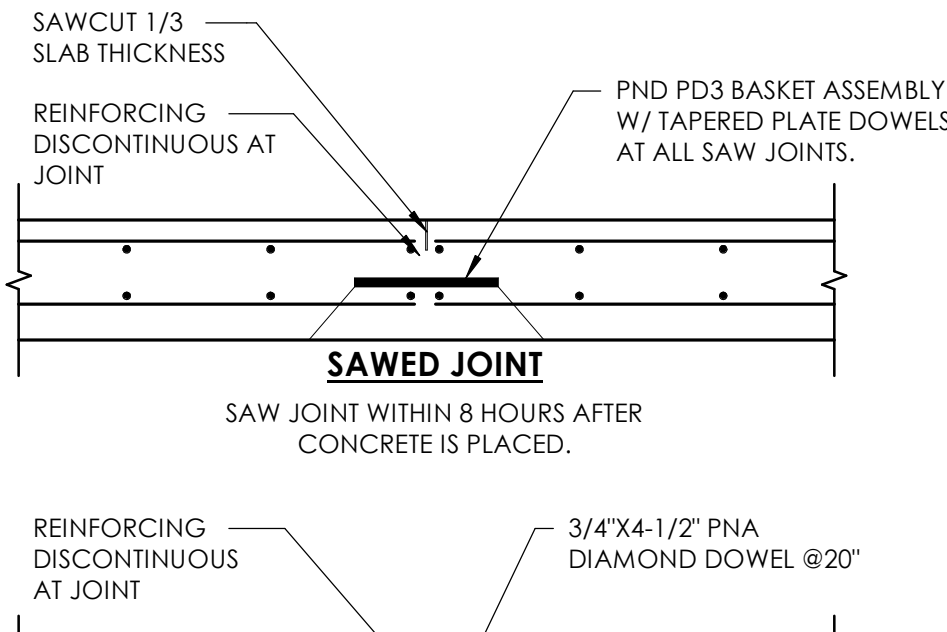
TOP BARS ARE HORIZONTAL
REINFORCEMENT WITH MORE THAN 12"
OF CONCRETE CAST BELOW THE REINF.



CONSTRUCTION JOINT

TYPICAL 4" SLAB CONTROL JOINT

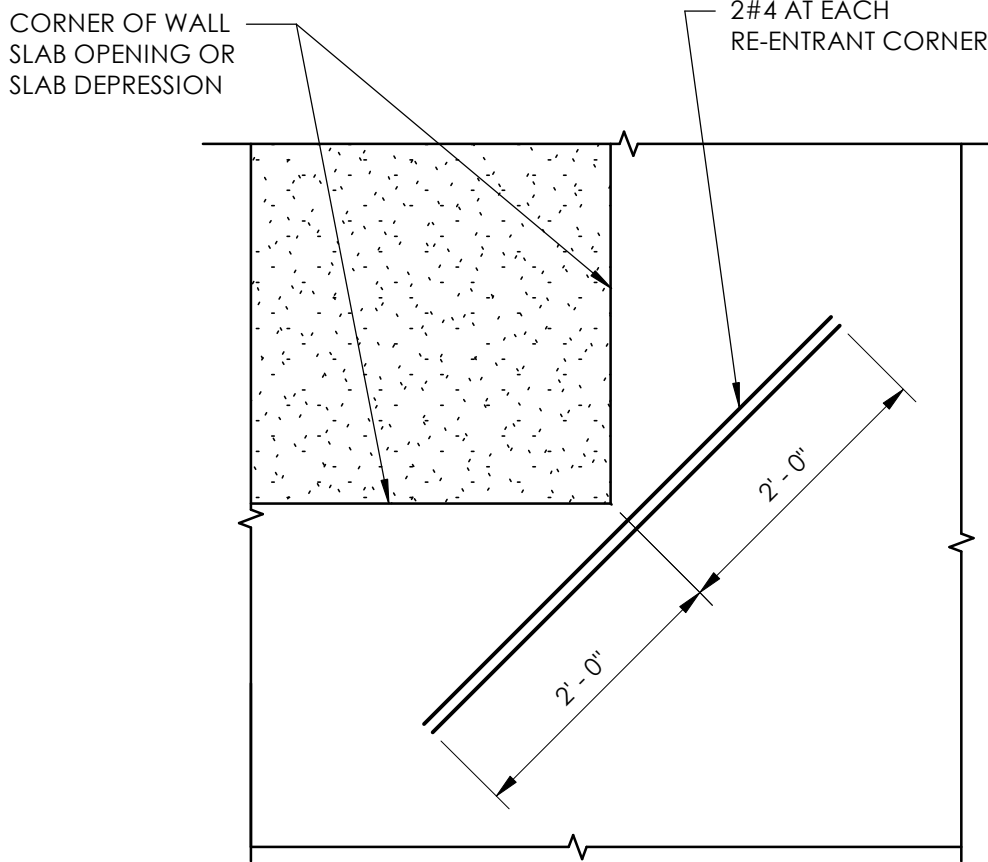
JOINT TYPE IS OPTIONAL



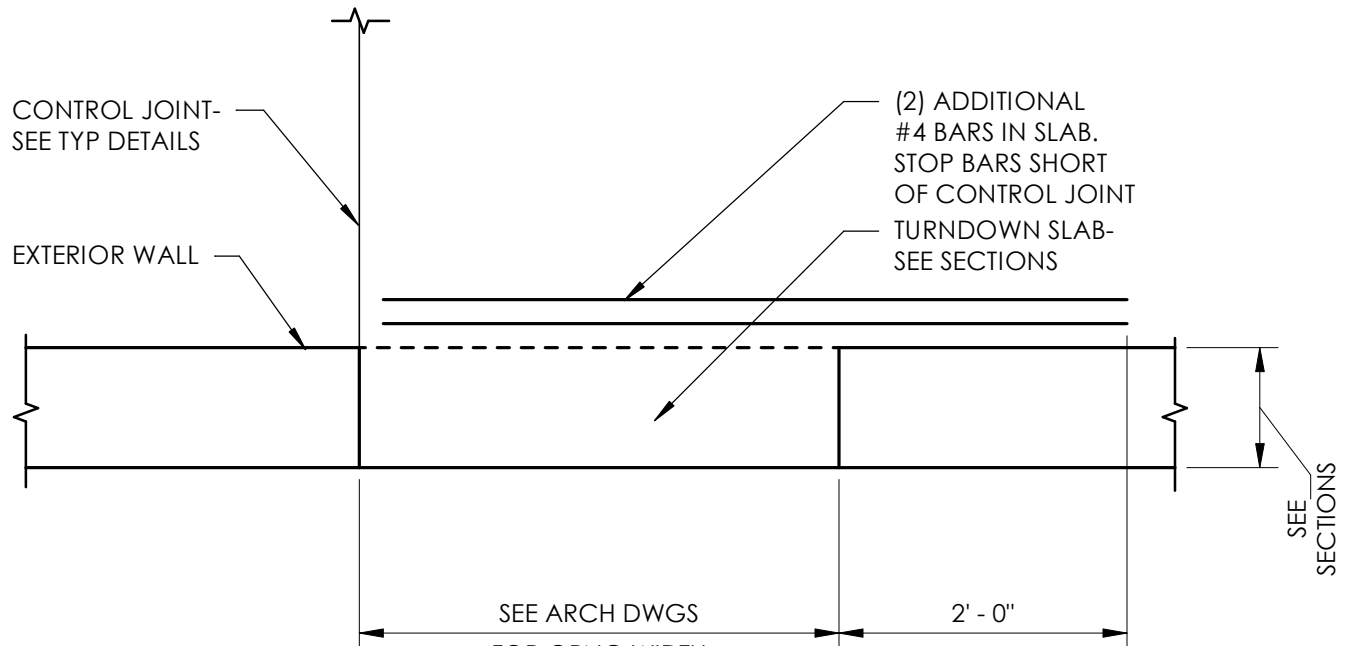
CONSTRUCTION JOINT

TYPICAL 10" & 12" SLAB CONTROL JOINT

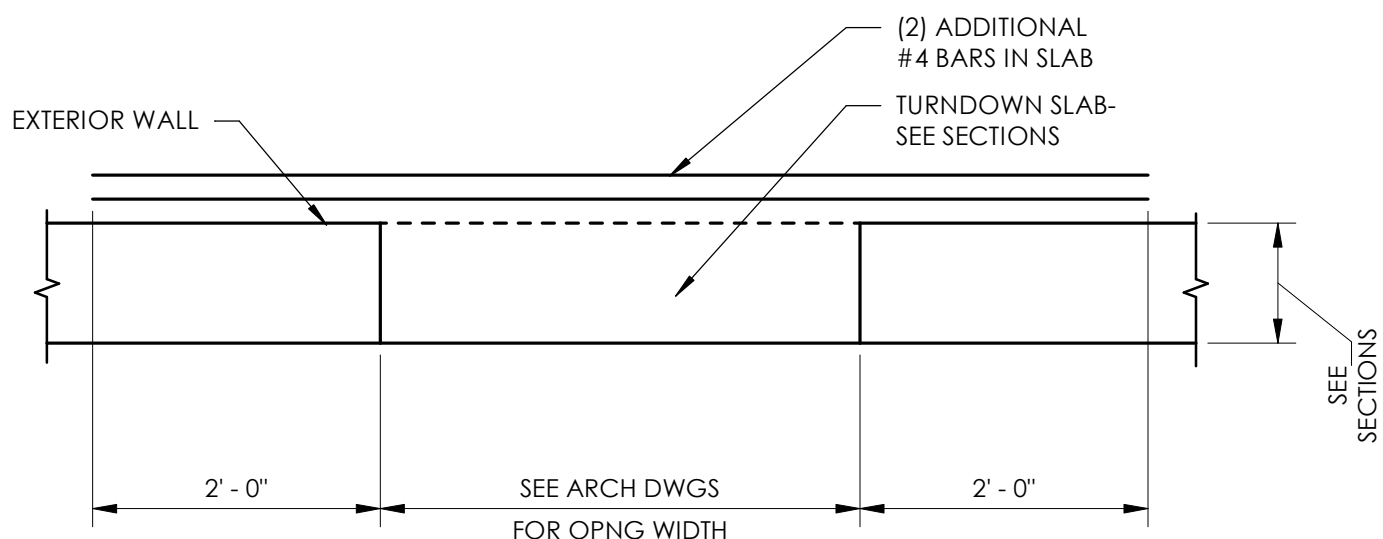
JOINT TYPE IS OPTIONAL



TYPICAL RE-ENTRANT SLAB CORNER REINFORCING DETAIL

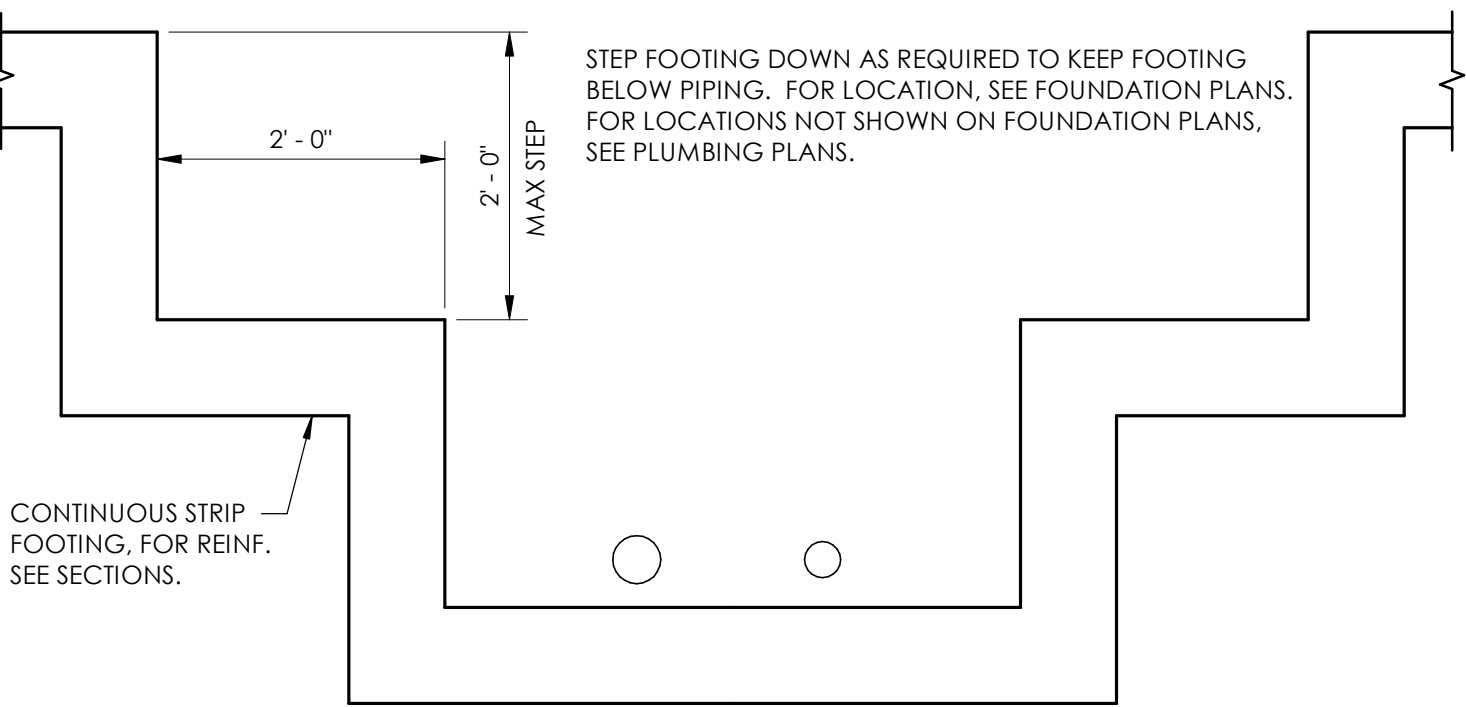


LOCATIONS WITH INTERSECTING CONTROL JOINT

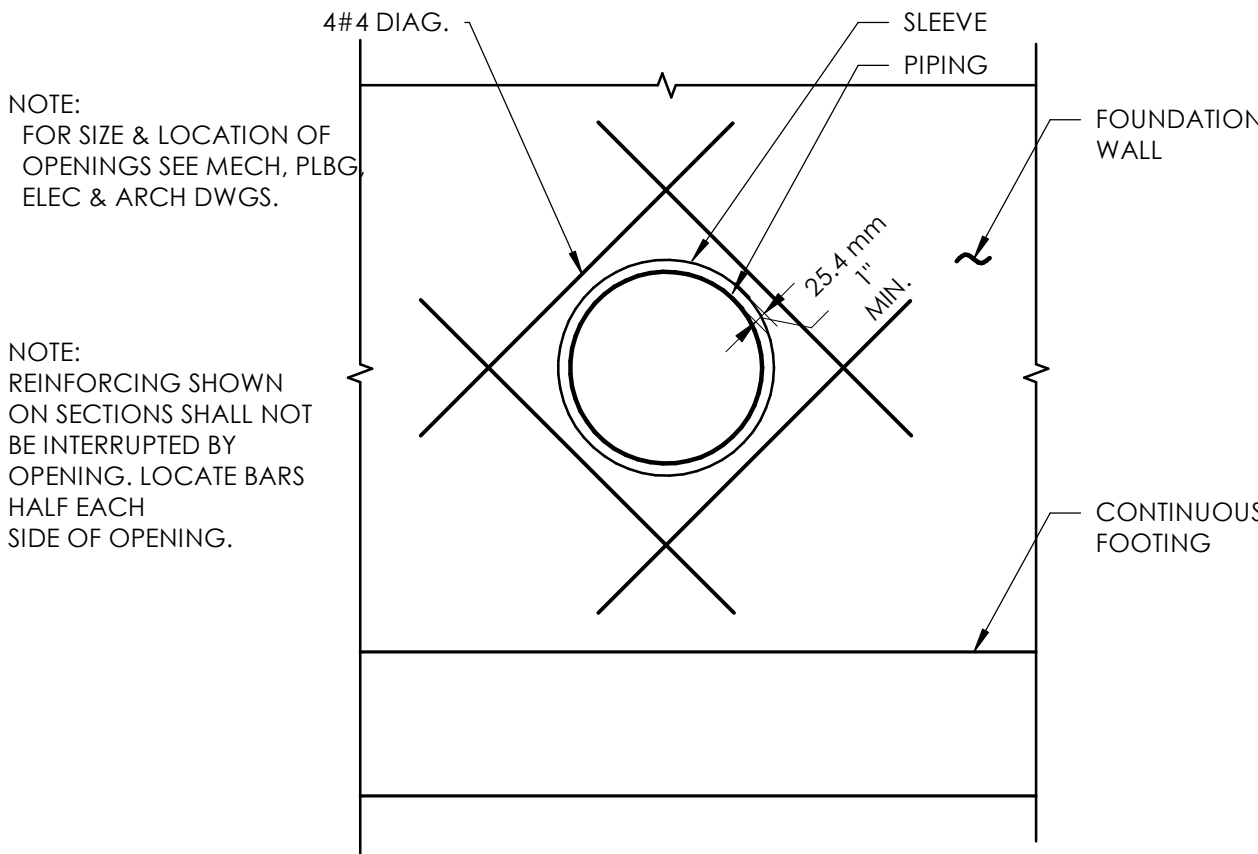


LOCATIONS WITHOUT INTERSECTING CONTROL JOINT

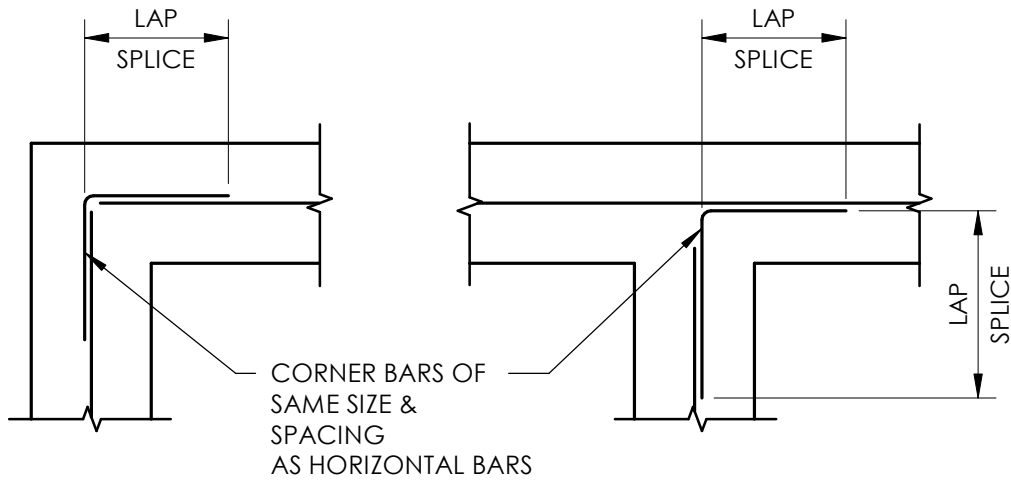
TYPICAL RE-ENTRANT SLAB CORNER REINFORCEMENT AT MANDOOOR OPENINGS



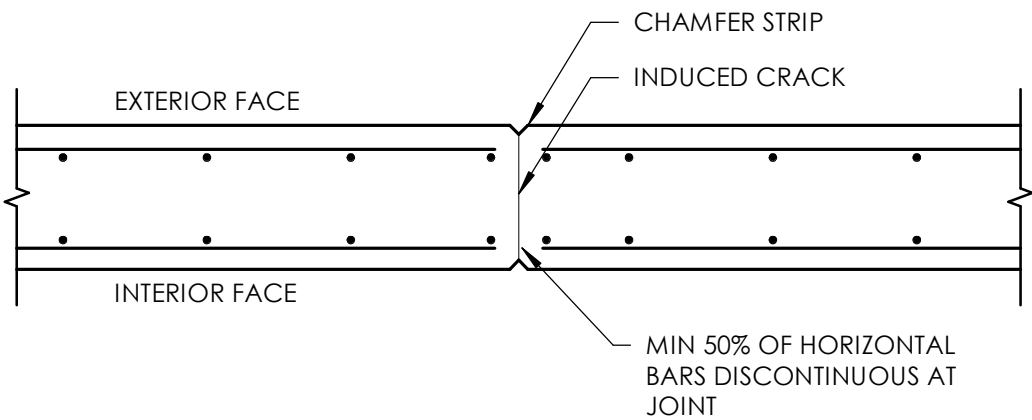
TYPICAL FOUNDATION WALL AT PIPING



TYPICAL FOUNDATION WALL OPENING AT PIPING

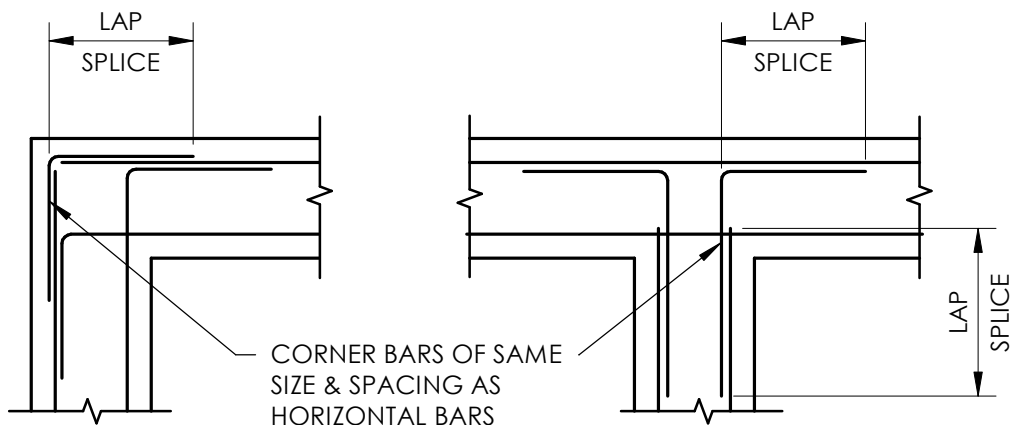


SINGLE LAYER REINFORCEMENT



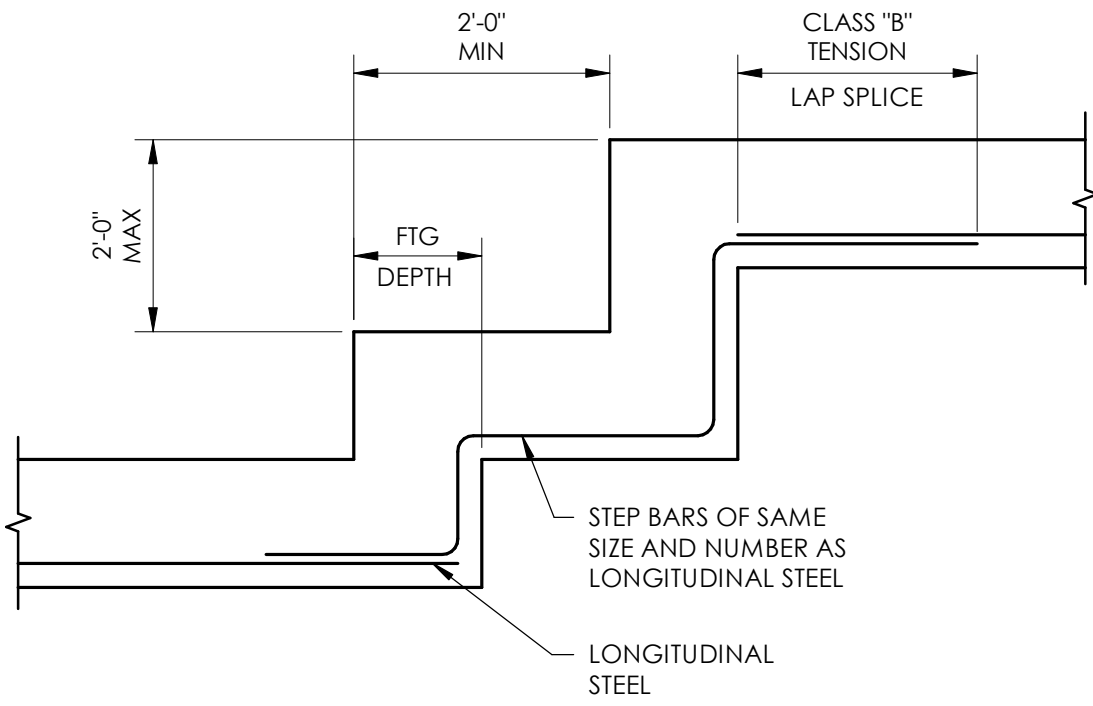
TYPICAL WALL CONTROL JOINT DETAIL

15'-0" MAX JOINT SPACING

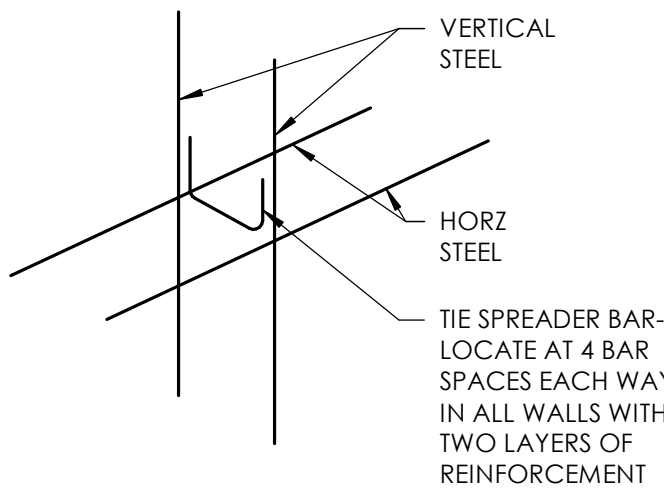


DOUBLE LAYER REINFORCEMENT

TYPICAL WALL CORNER REINFORCING DETAIL



TYPICAL FOOTING STEP



TYPICAL WALL STEEL TIE-SPREADER DETAIL

TJ
TUCKER-JONES
ENGINEERS-ARCHITECTS, PC
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5666
PROJECT #24005

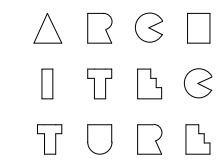
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Shelby County, AL.



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222
Phone 205/595-0021

E-mail
steve@cokerarch.com

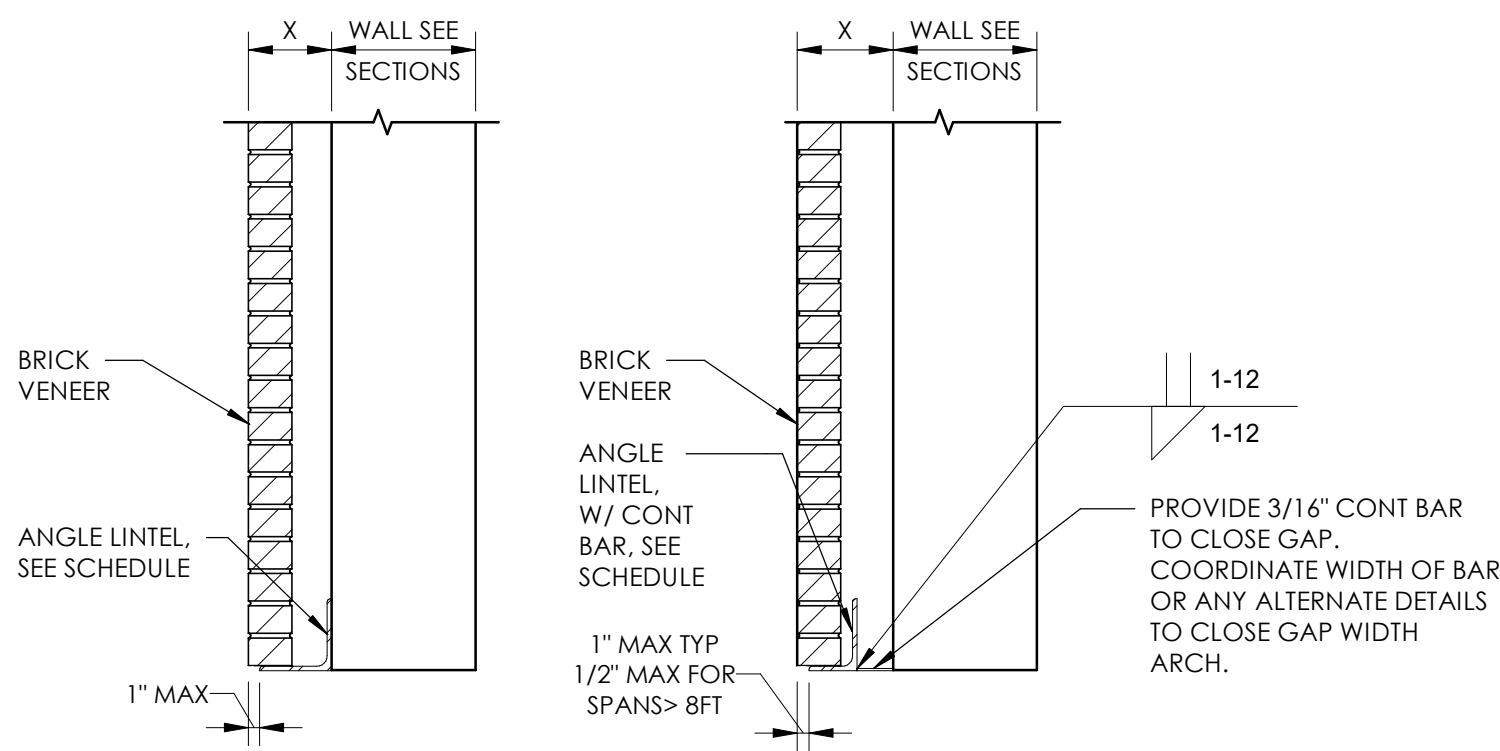
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SHEET NO.	S3
OF	SHEETS

WOOD HEADER SCHEDULE

CLEAR SPAN	MEMBER	SIMPSON HANGER
3'-0"	(2) 2x8	HH4
4'-0"	(2) 2x8	HH4
5'-0"	(3) 2x8	HH6
6'-0"	(3) 2x8	HH6
7'-0"	(3) 2x8	HH6

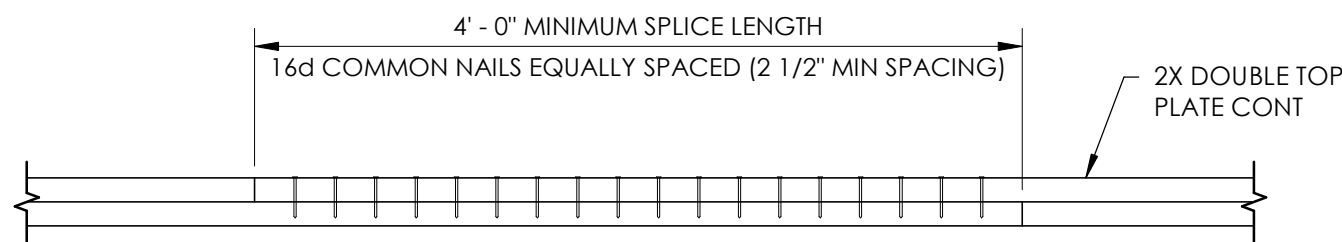
NOTE: FOLLOW MANUFACTURER RECOMMENDATIONS FOR HANGER ATTACHMENT.



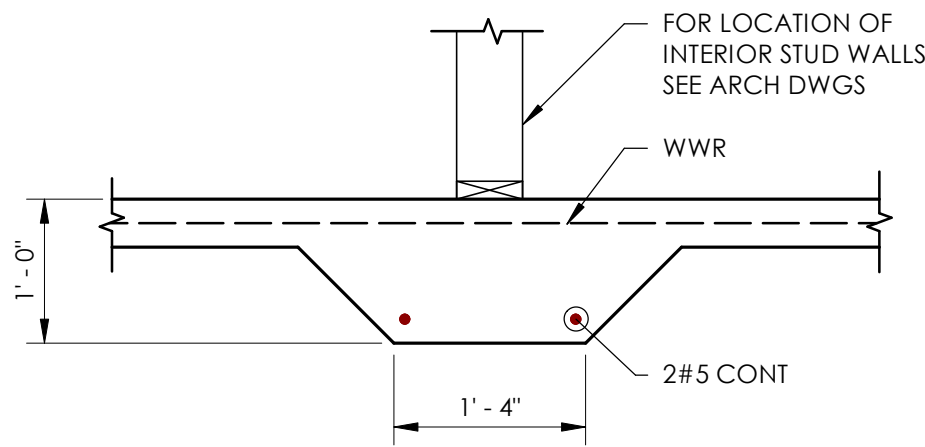
BRICK LOOSE LINTEL SCHEDULE

CLEAR SPAN	X = 6"
UP TO 6'-0"	L5X3 1/2X3/8 LLH
6'-0" TO 8'-0"	L5X5X3/8
8'-0" TO 10'-0"	L6X4X3/8 LLV W/ 3/16" CONT BAR

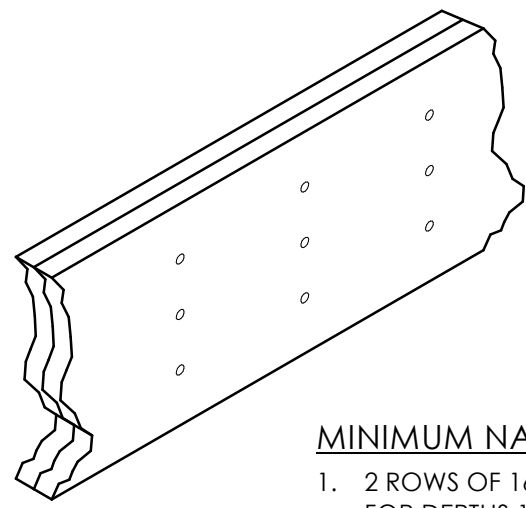
NOTES:
1. DO NOT USE THIS SCHEDULE IF A CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL.
2. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
3. ALL EXPOSED LINTELS SHALL BE GALVANIZED.
4. VERTICAL CONTROL JOINTS IN THE BRICK WITHIN DISTANCE OF CLEAR SPAN/2 FROM THE ROUGH OPENING ARE NOT ALLOWED.



TYPICAL DOUBLE TOP PLATE SPLICE

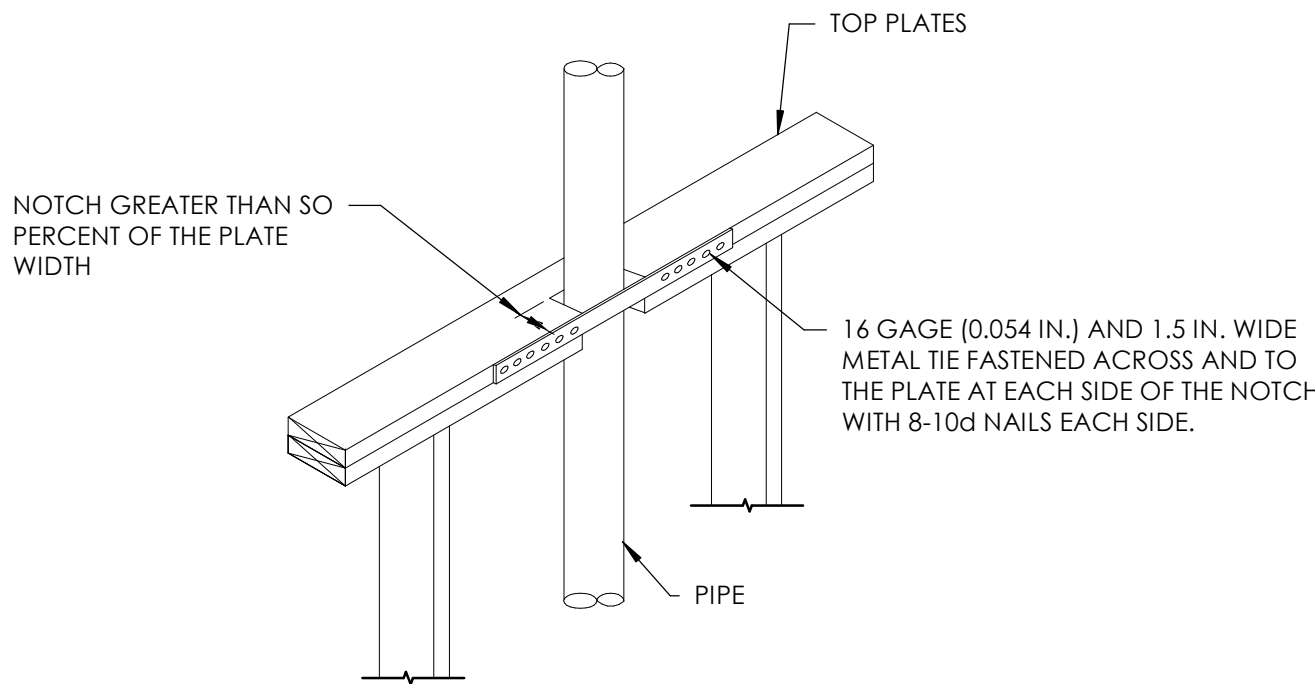


TYPICAL THICKENED SLAB ON GRADE

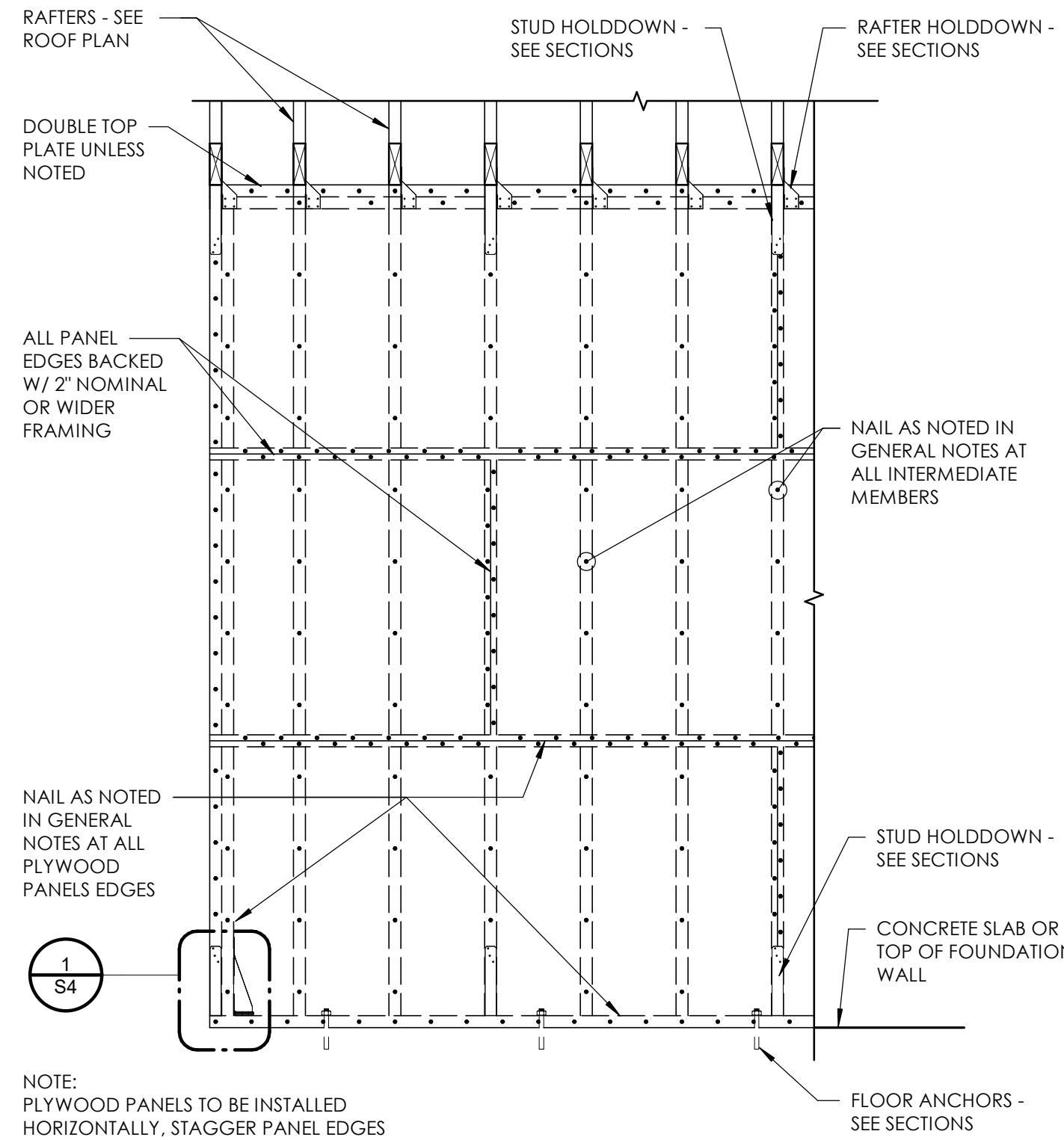


MINIMUM NAILING REQUIREMENT
1. 2 ROWS OF 16d COMMON NAILS (12" O.C.) FOR DEPTHS 12" OR LESS.
2. 3 ROWS OF 16d COMMON NAILS (12" O.C.) FOR BEAMS WITH A DEPTH OF 14", 15" AND 18".

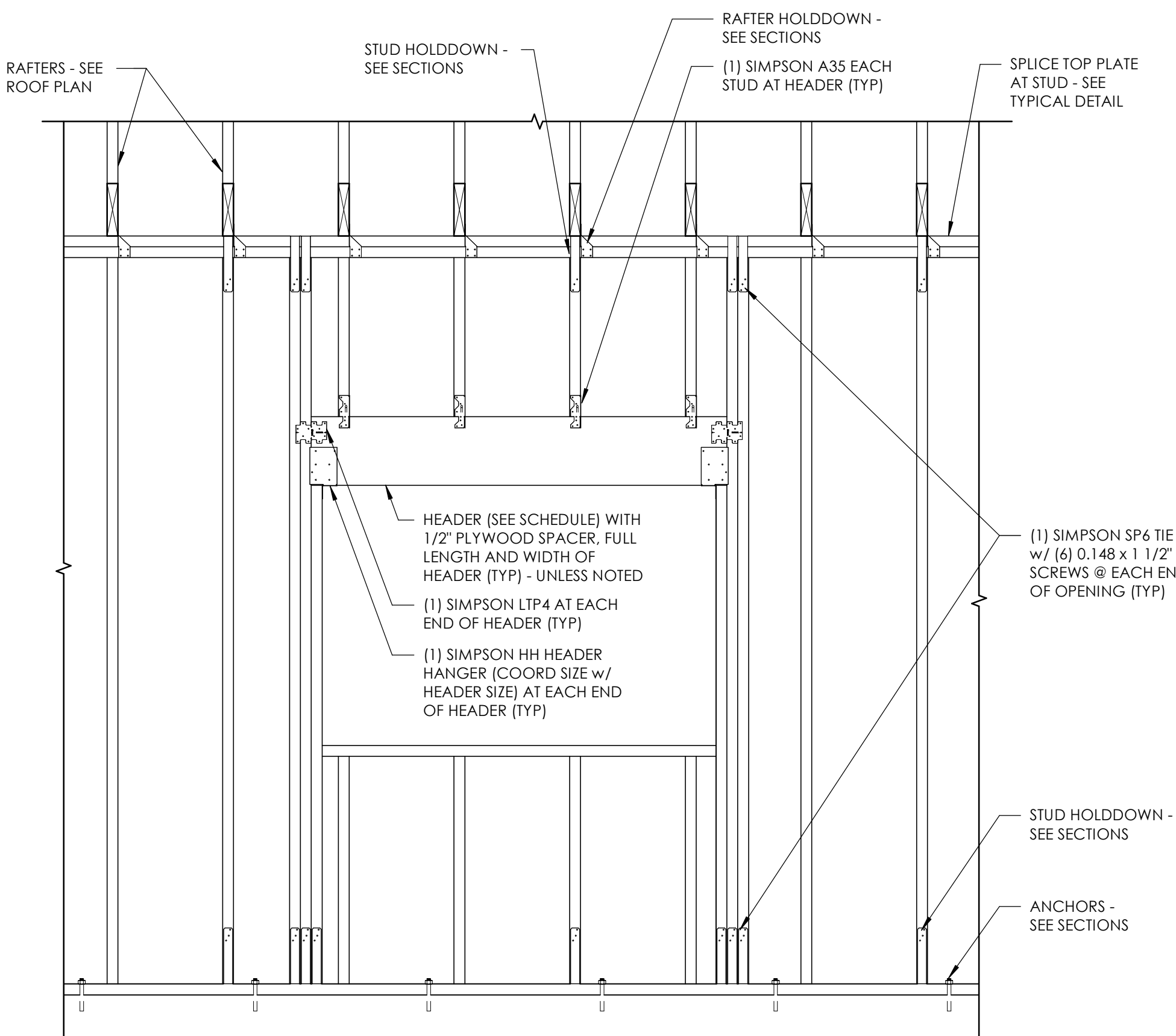
TYPICAL NAILING SCHEDULE FOR MULTI-PIECE LVL MEMBERS



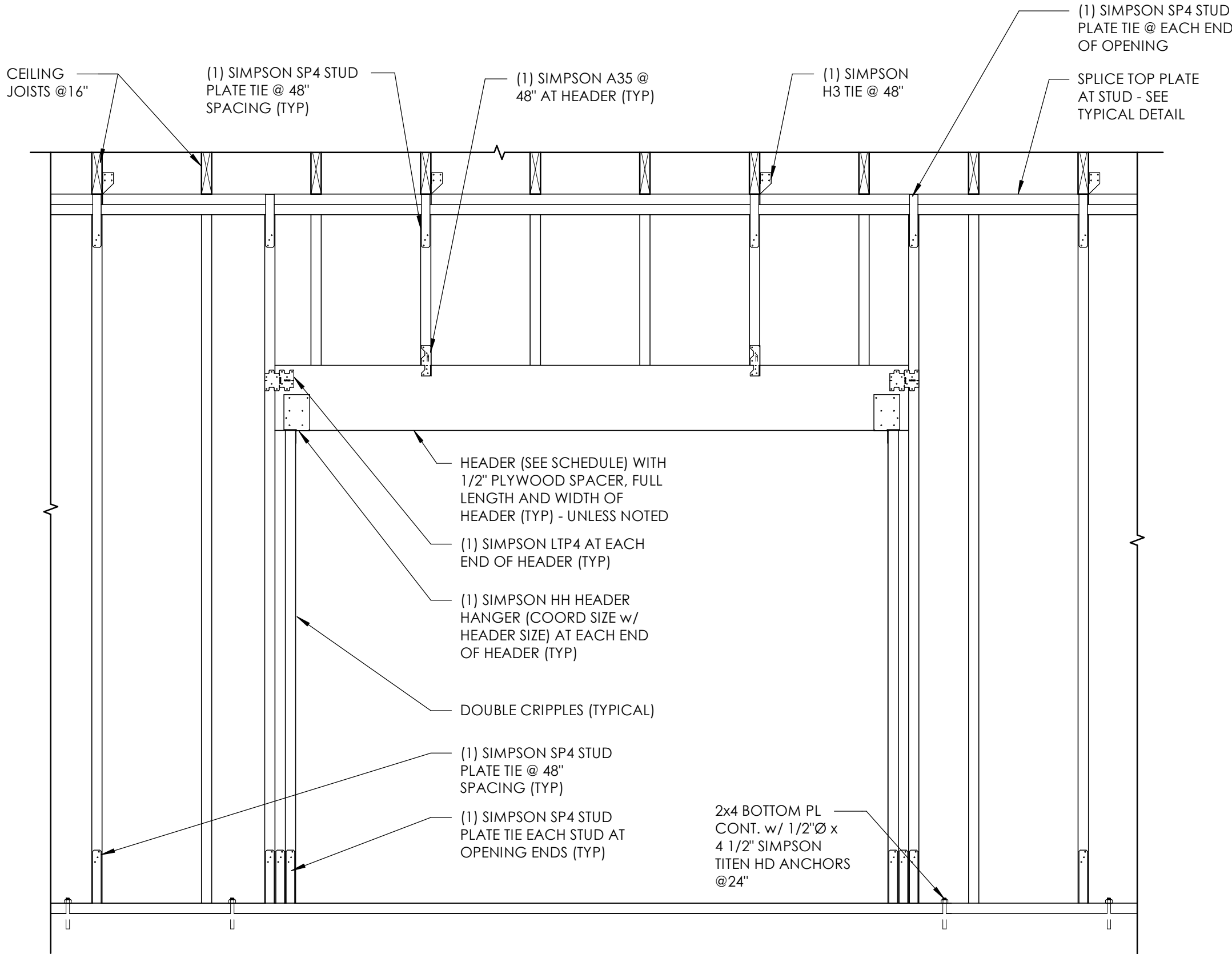
DRILLING AND NOTCHING OF TOP PLATE



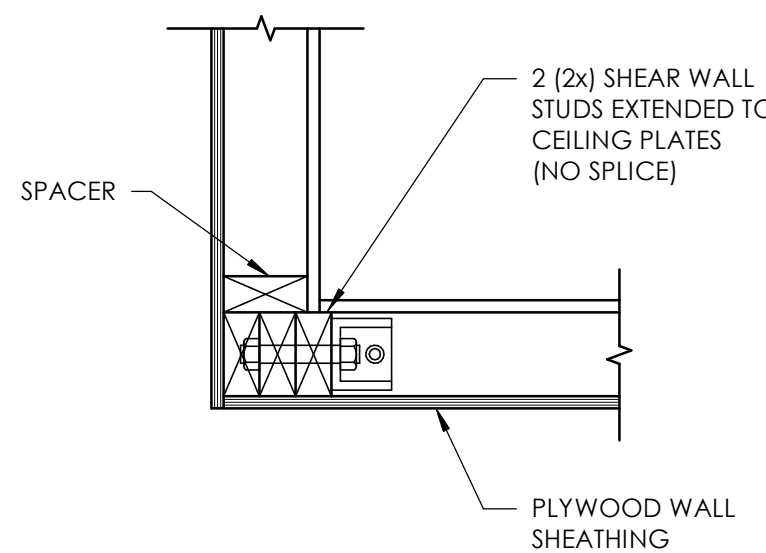
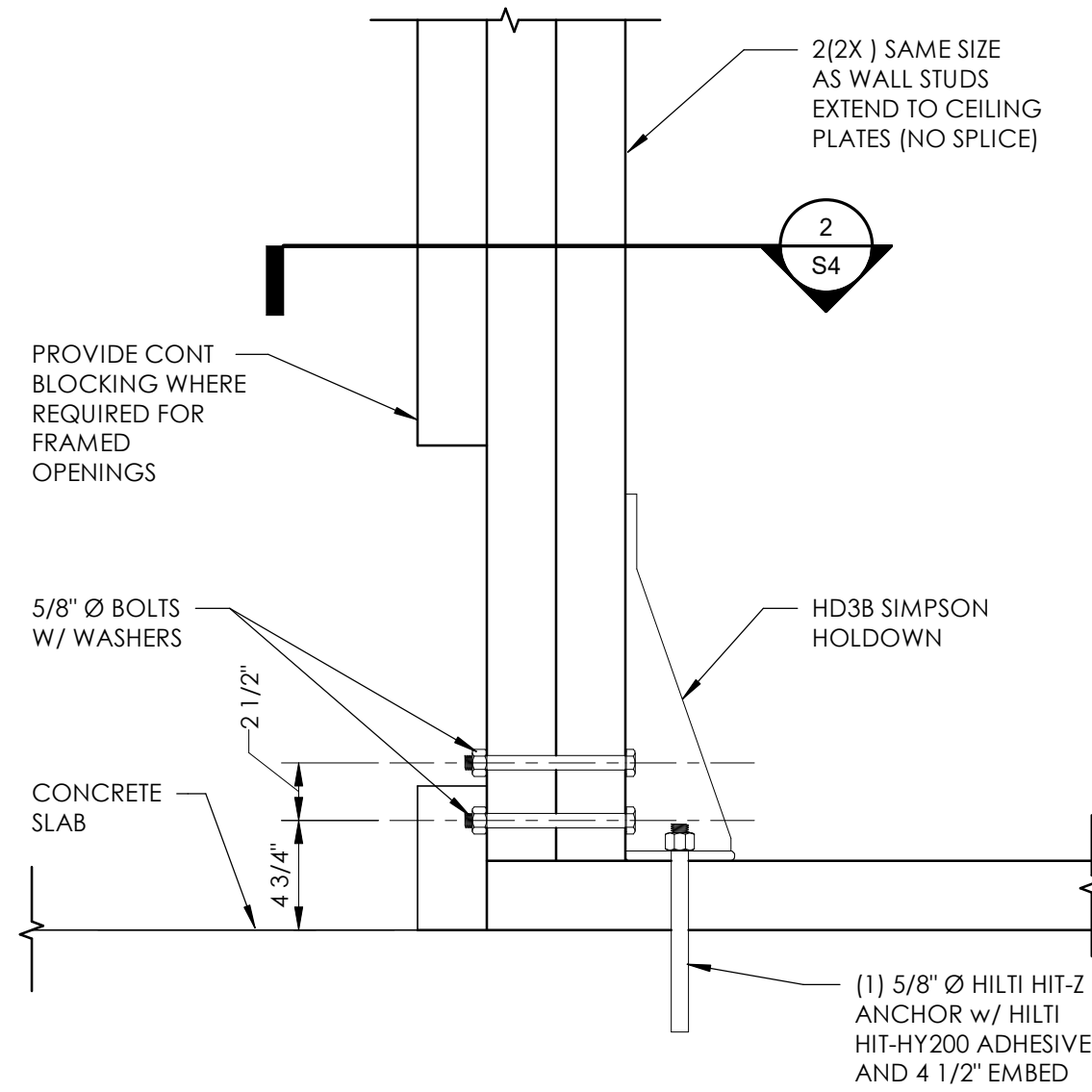
EXTERIOR SHEAR WALL PANEL CONSTRUCTION (PLYWOOD PANELS ON WOOD STUDS)



EXTERIOR WALL OPENING ELEVATION



INTERIOR CORRIDOR ELEVATION



3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5666
PROJECT #24005



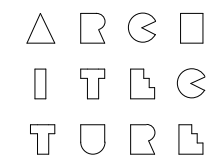
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222
Phone 205/595-0021

E-mail
steve@cokerarch.com

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PROJECT NO.	260314

SHEET NO.	S4
OF	SHEETS

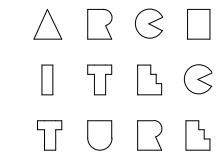
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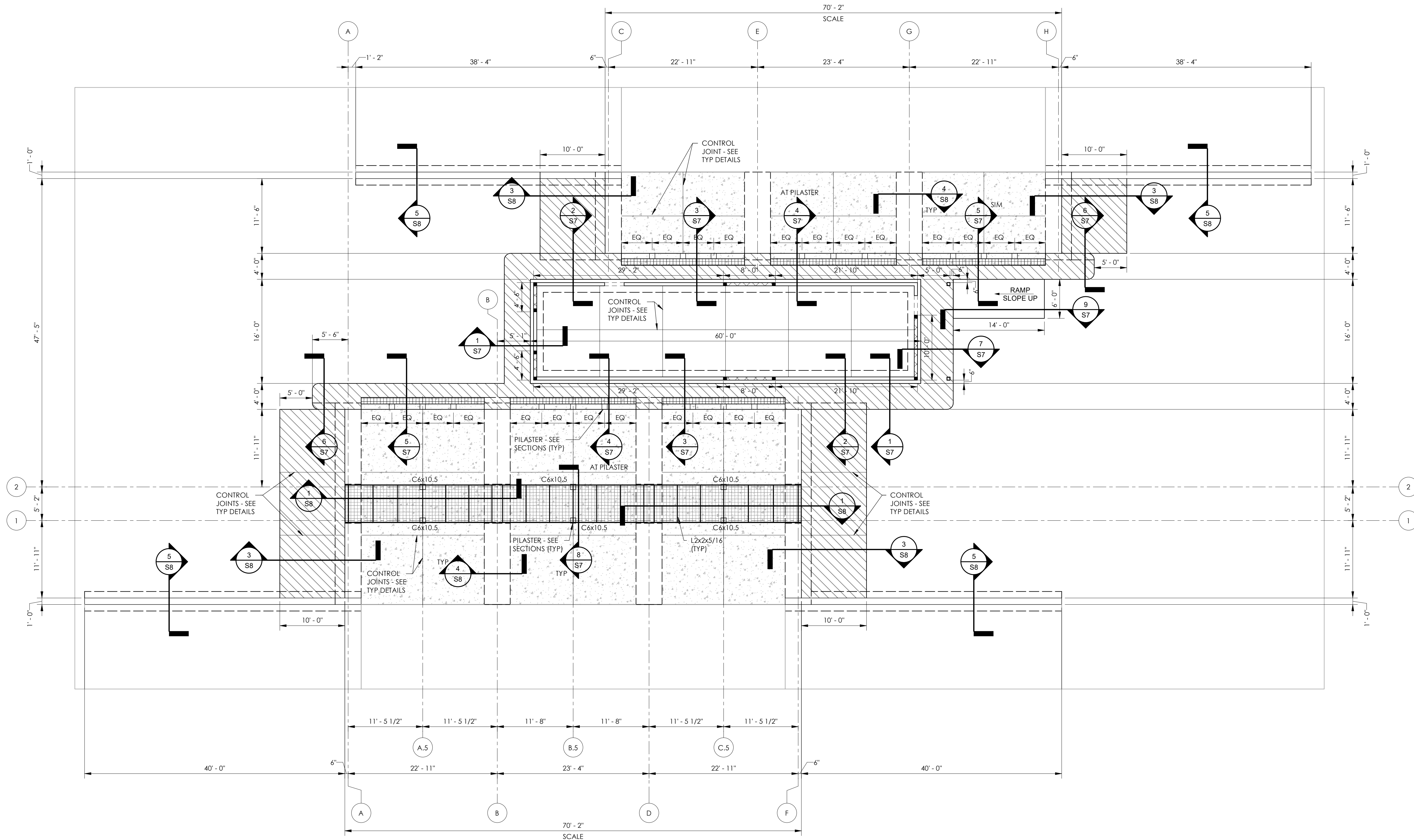
Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222
Phone 205/595-0021

E-mail
steve@cokerarch.com

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PROJECT NO	260314

SHEET NO	S5
OF	SHEETS



FOUNDATION AND FLOOR PLAN

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

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0" BELOW FINISH FLOOR, UNLESS NOTED.
3. 4" SLAB ON GRADE, UNLESS NOTED. SEE GENERAL NOTES AND TYPICAL DETAILS.
4. 10" SLAB ON GRADE, SEE GENERAL NOTES AND TYPICAL DETAILS.
5. 12" SLAB ON GRADE, SEE GENERAL NOTES AND TYPICAL DETAILS.
6. INDICATES SHEAR WALL CONSTRUCTION. SEE GENERAL NOTES AND TYPICAL DETAILS.
7. INDICATES SHEAR WALL HOLDDOWN. SEE TYPICAL DETAILS.
8. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH CIVIL, UTILITY AND PLUMBING DRAWINGS.
9. GENERAL CONTRACTOR COORDINATE FLOOR DEPRESSION DEPTH, SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
10. GENERAL CONTRACTOR COORDINATE LOCATION OF TILE JOINTS WITH CONTROL JOINTS.
11. FOR INTERIOR WALL DIMENSIONS AND ALL DIMENSIONS NOT SHOWN ON PLAN, SEE ARCH DWGS.

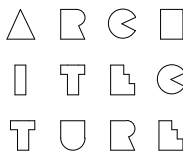
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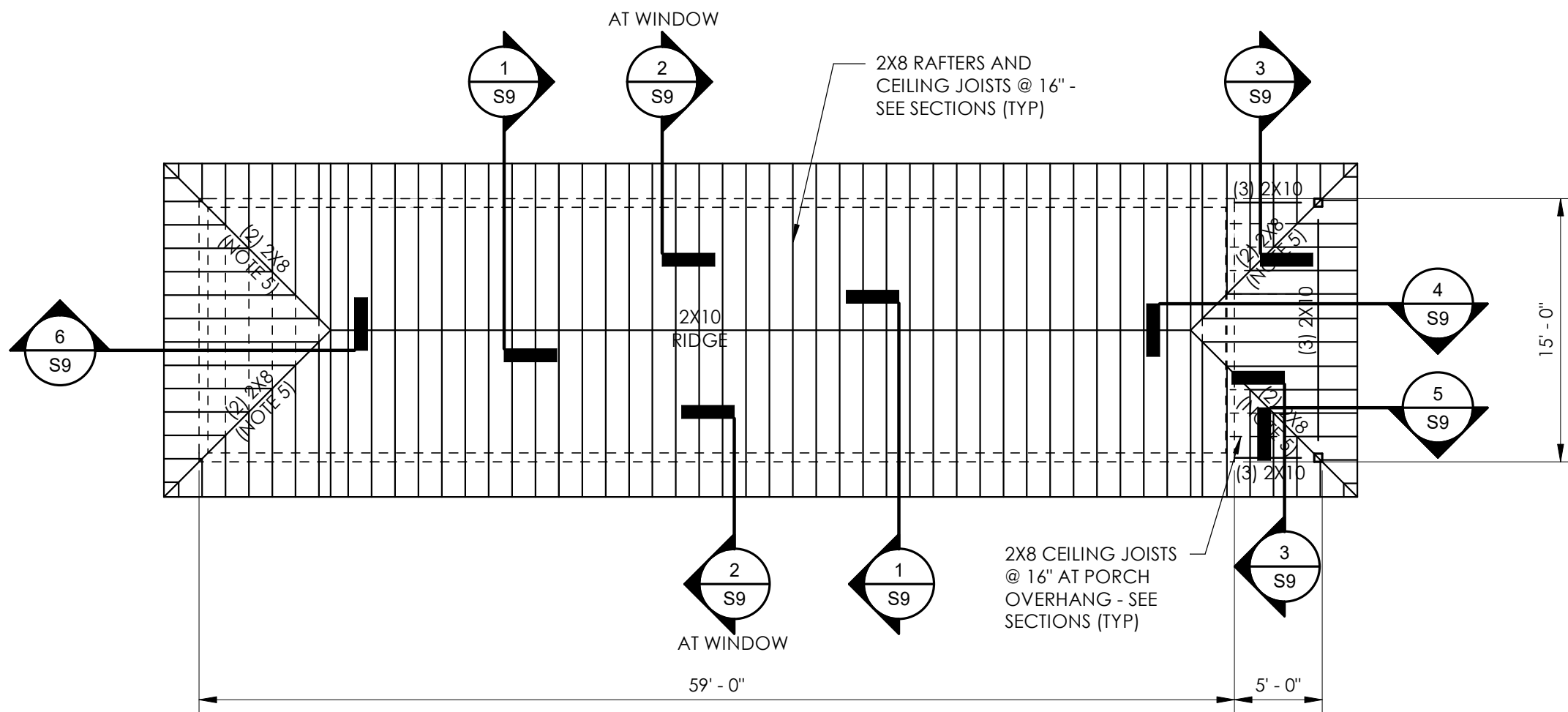
Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222
Phone 205/595-0021

E-mail:
steve@cokerarch.com

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PROJECT NO	260314

SHEET NO	S6
OF	SHEETS



ROOF FRAMING PLAN

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



1. TRUSS BEARING ELEVATION (TOP OF DOUBLE TOP PLATE) 10' - 0", UNLESS NOTED.
2. ROOF CONSTRUCTION: 3/4" TONGE AND GROOVE PLYWOOD NAILED TO RAFTERS @ 16". SEE GENERAL NOTES FOR ATTACHMENT REQUIREMENTS.
3. FOR HEADER SIZE, SEE WOOD HEADER SCHEDULE, UNLESS NOTED.
4. FOR INTERIOR WALL DIMENSIONS AND ALL DIMENSIONS NOT SHOWN ON PLAN, SEE ARCH DWGS.
5. ATTACH HIP BEAM TO RIDGE BEAM END WITH SIMPSON HRC22 HANGER, ATTACH HIP BEAM TO CORNER WALL/POST WITH SIMPSON HCP4Z HANGER, FOLLOW MANUFACTURER RECOMMENDATIONS FOR ATTACHMENT.

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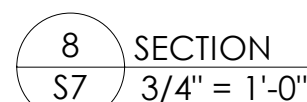
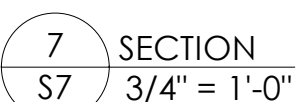
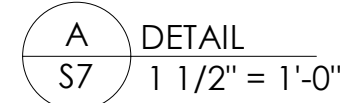
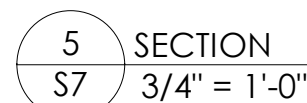
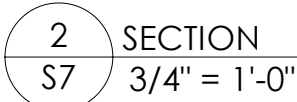
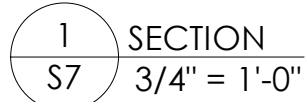
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DRAWN BY	JAS
PROJECT NO	260314

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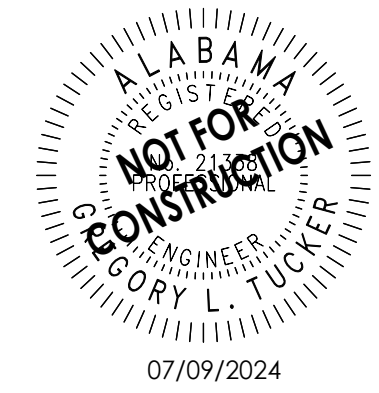
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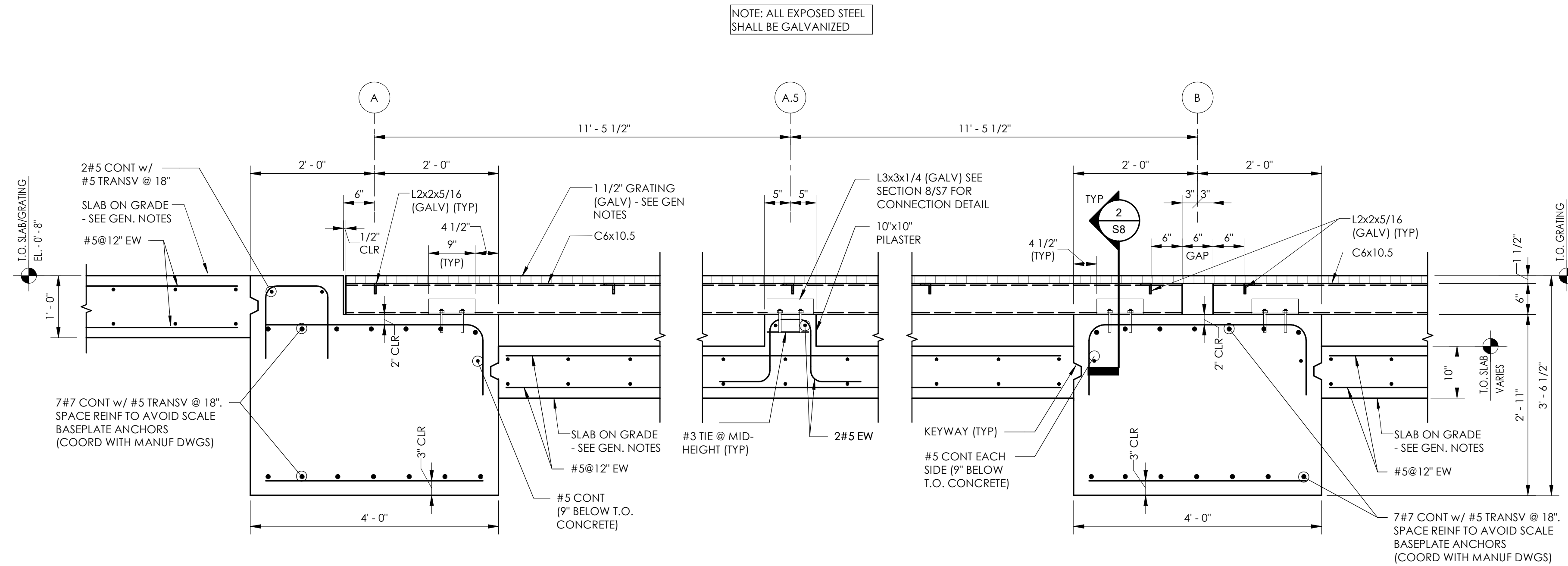
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steve@cokerarch.com

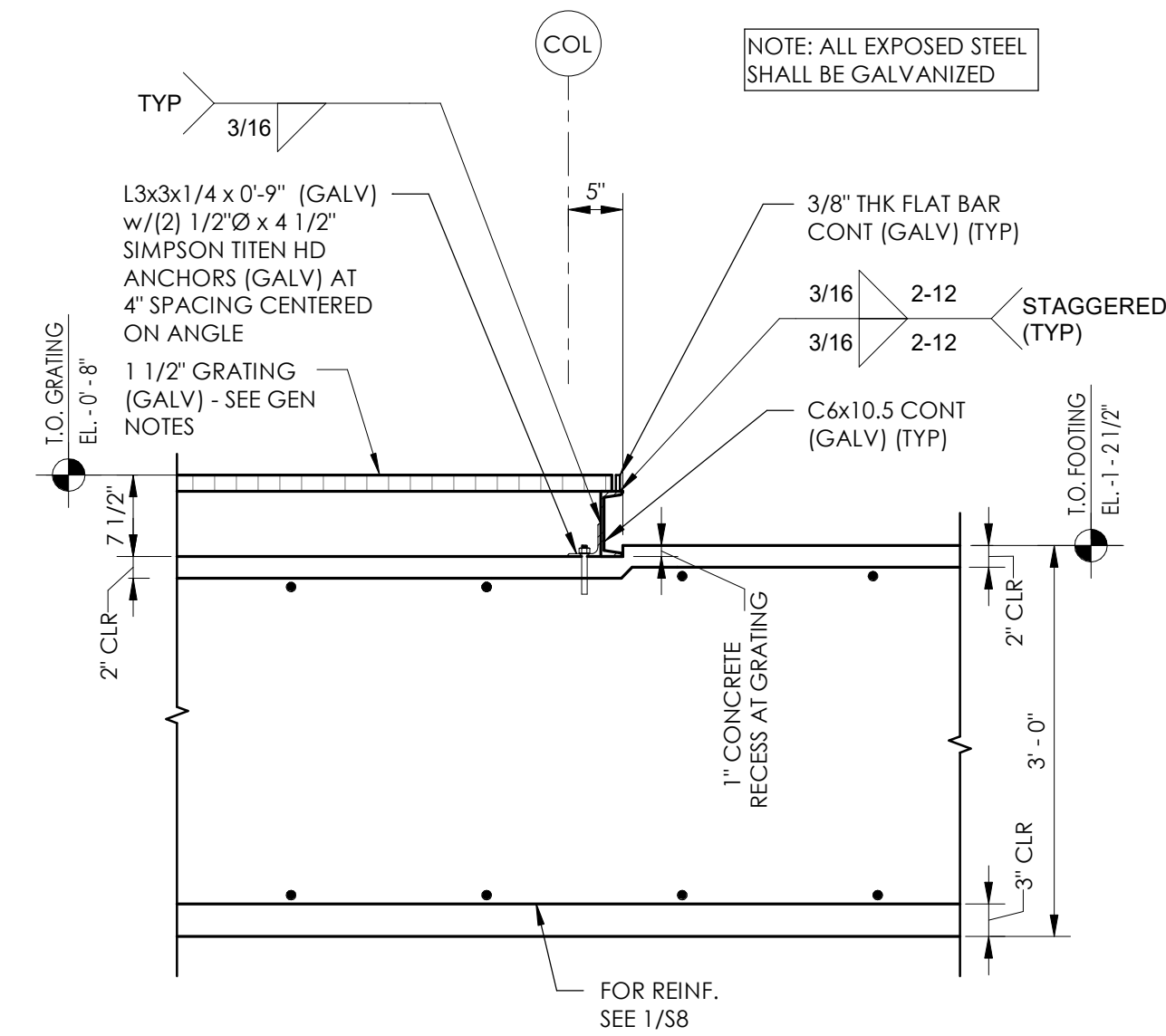
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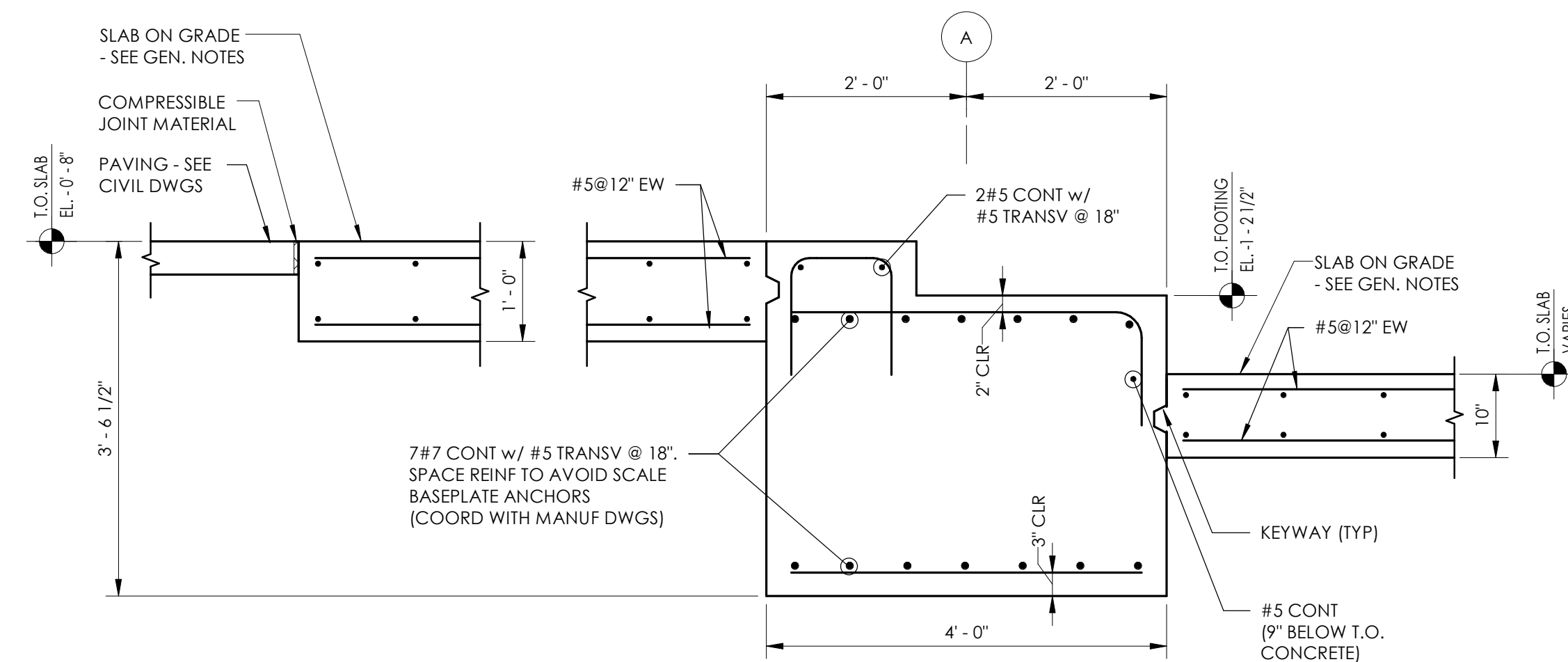
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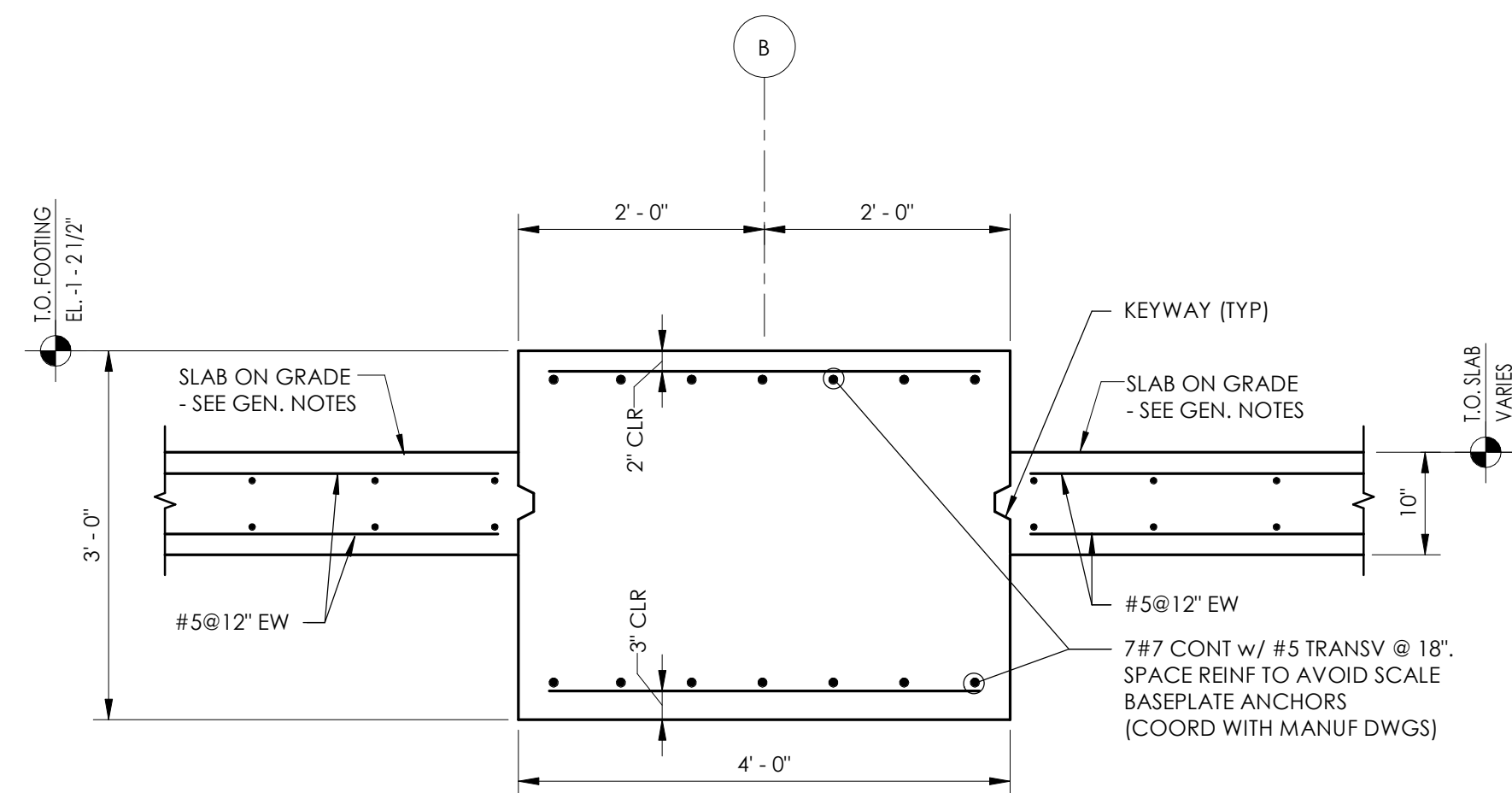
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S8 3/4" = 1'-0"



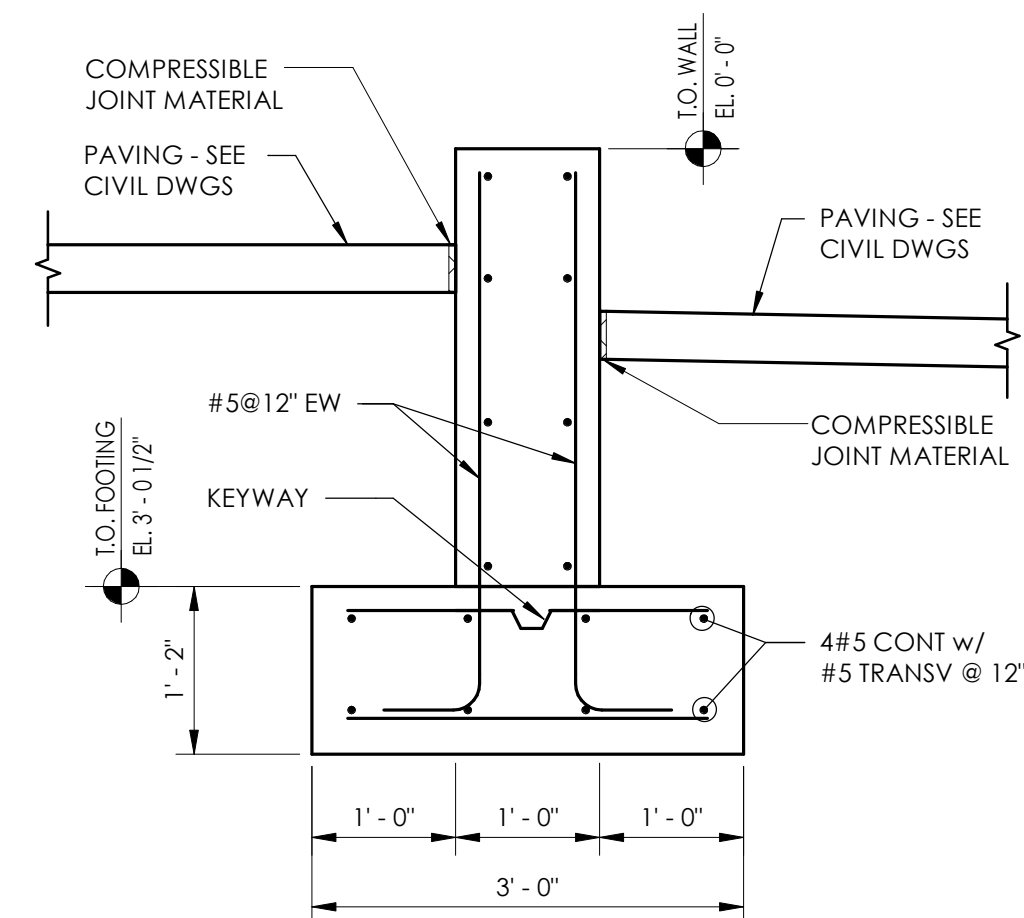
2 SECTION
S8 3/4" = 1'-0"



3 SECTION
S8 3/4" = 1'-0"



4 SECTION
S8 3/4" = 1'-0"



5 SECTION
S8 3/4" = 1'-0"

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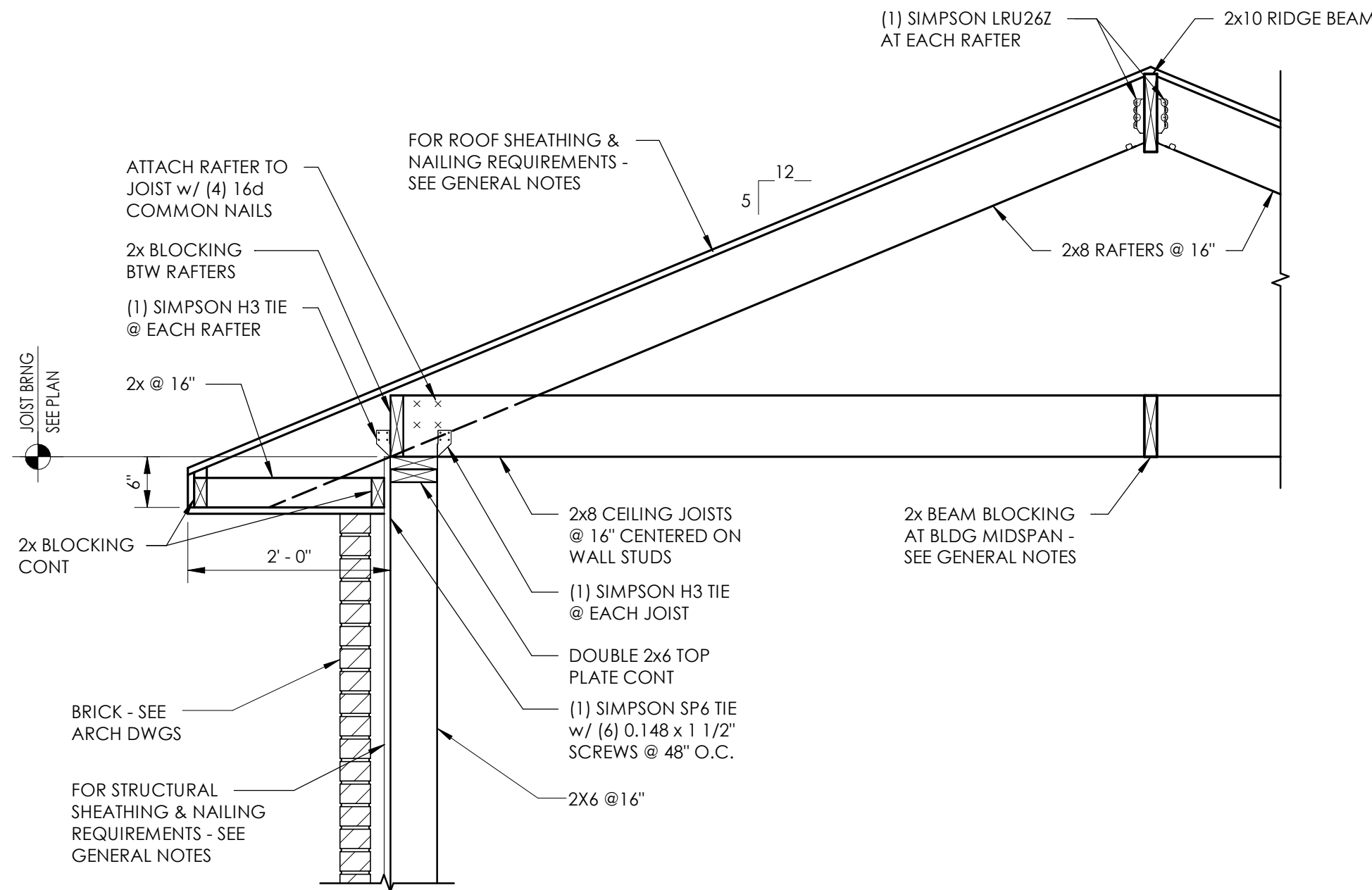
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Phone 205/595-0021

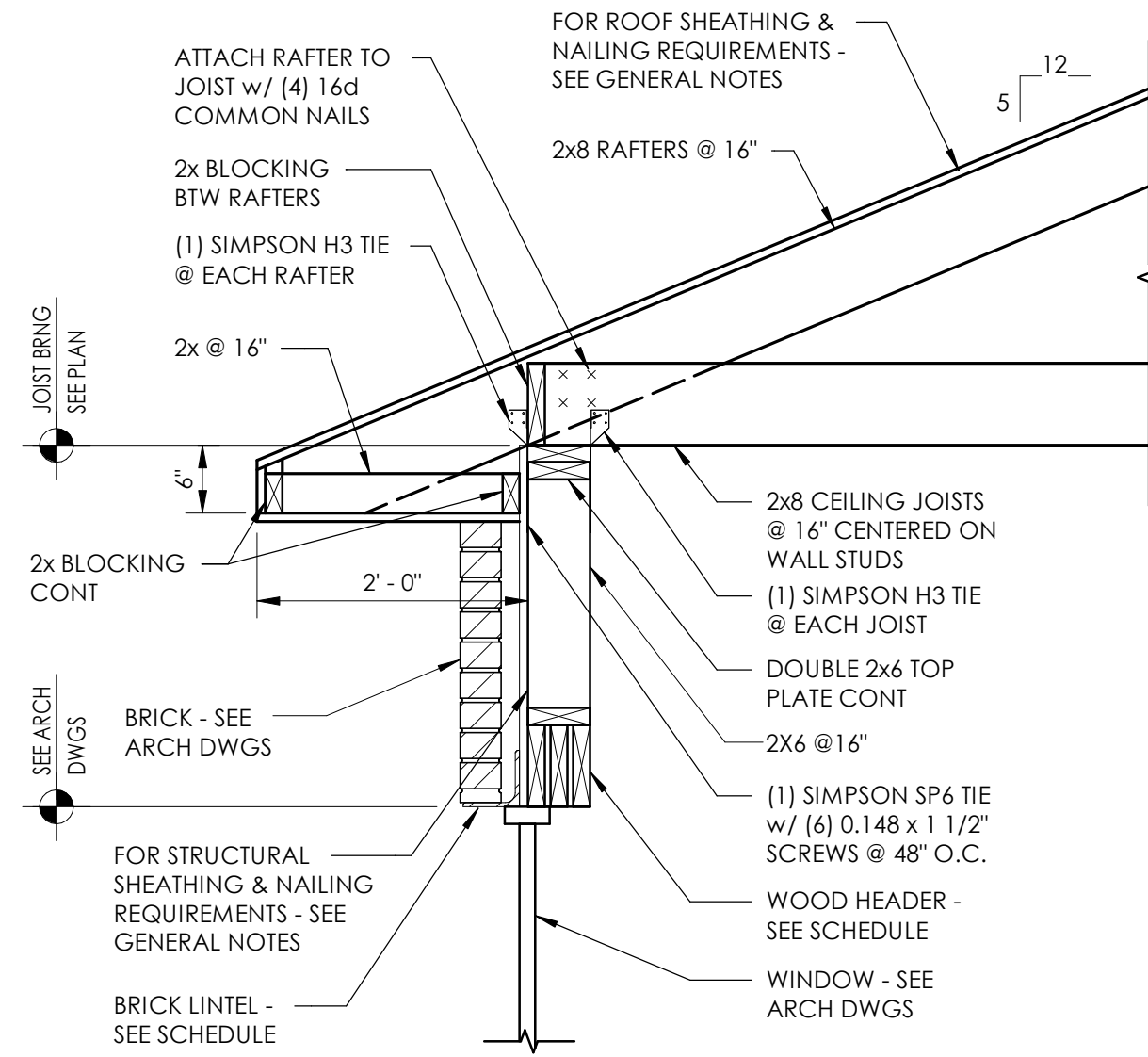
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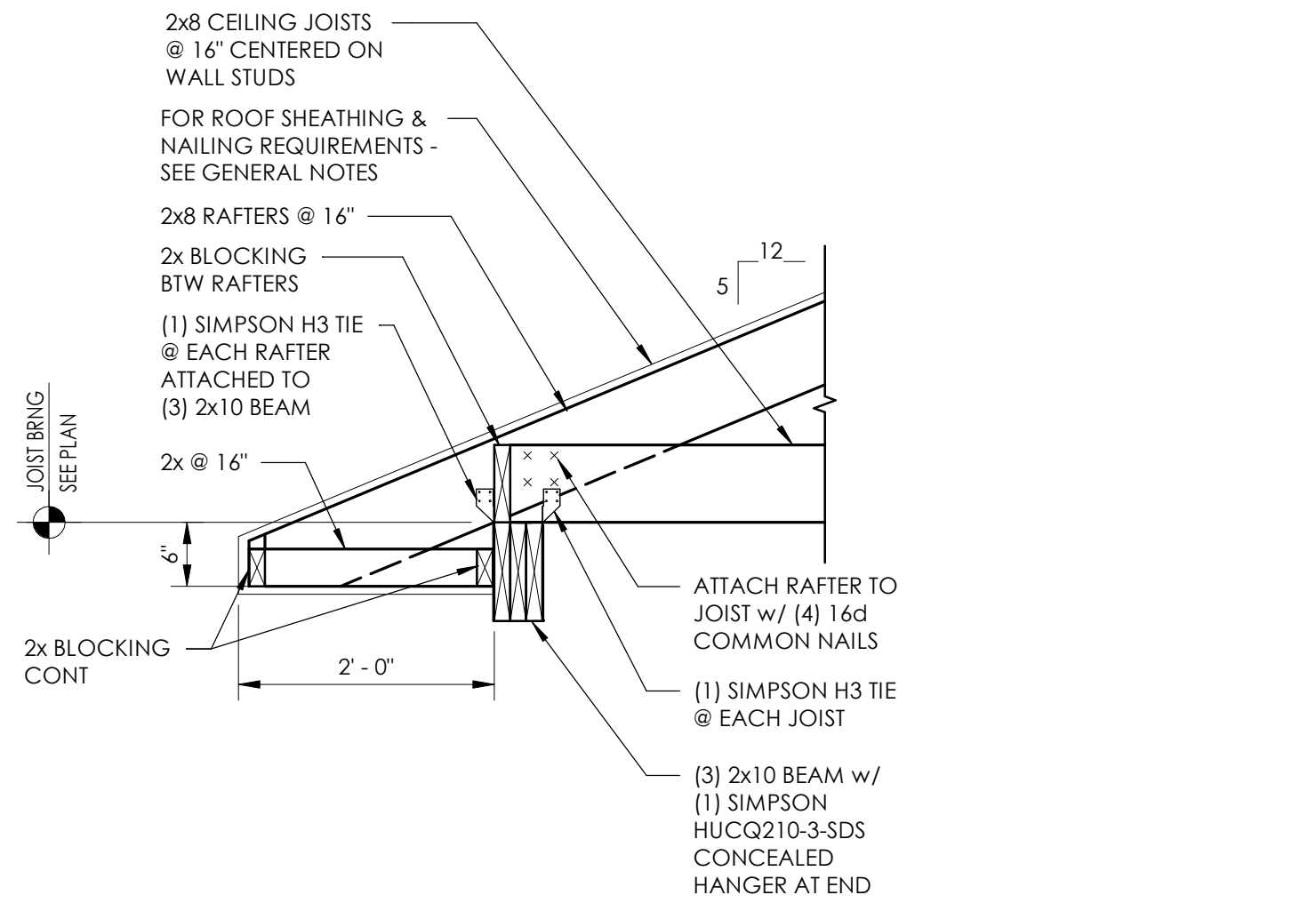
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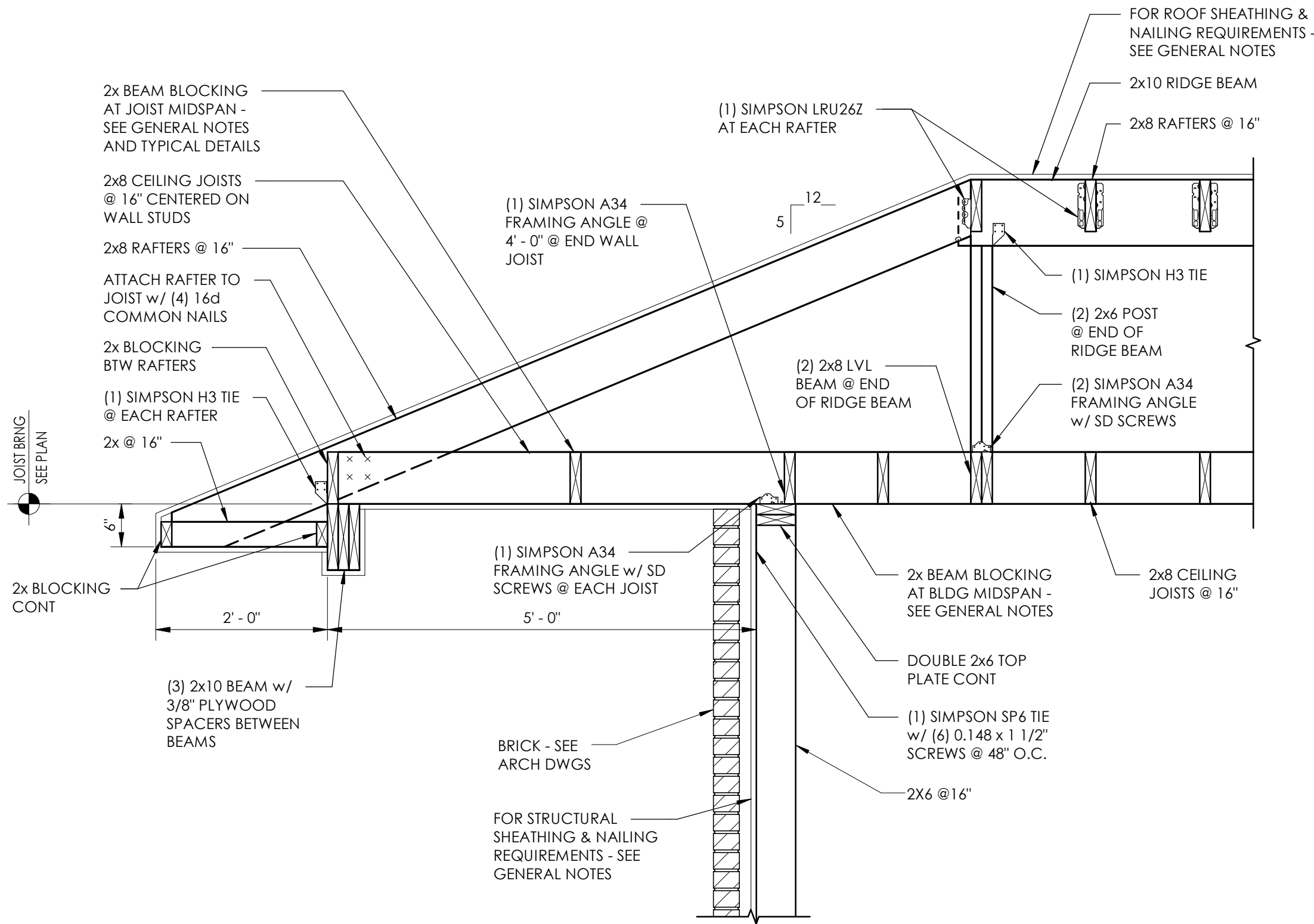
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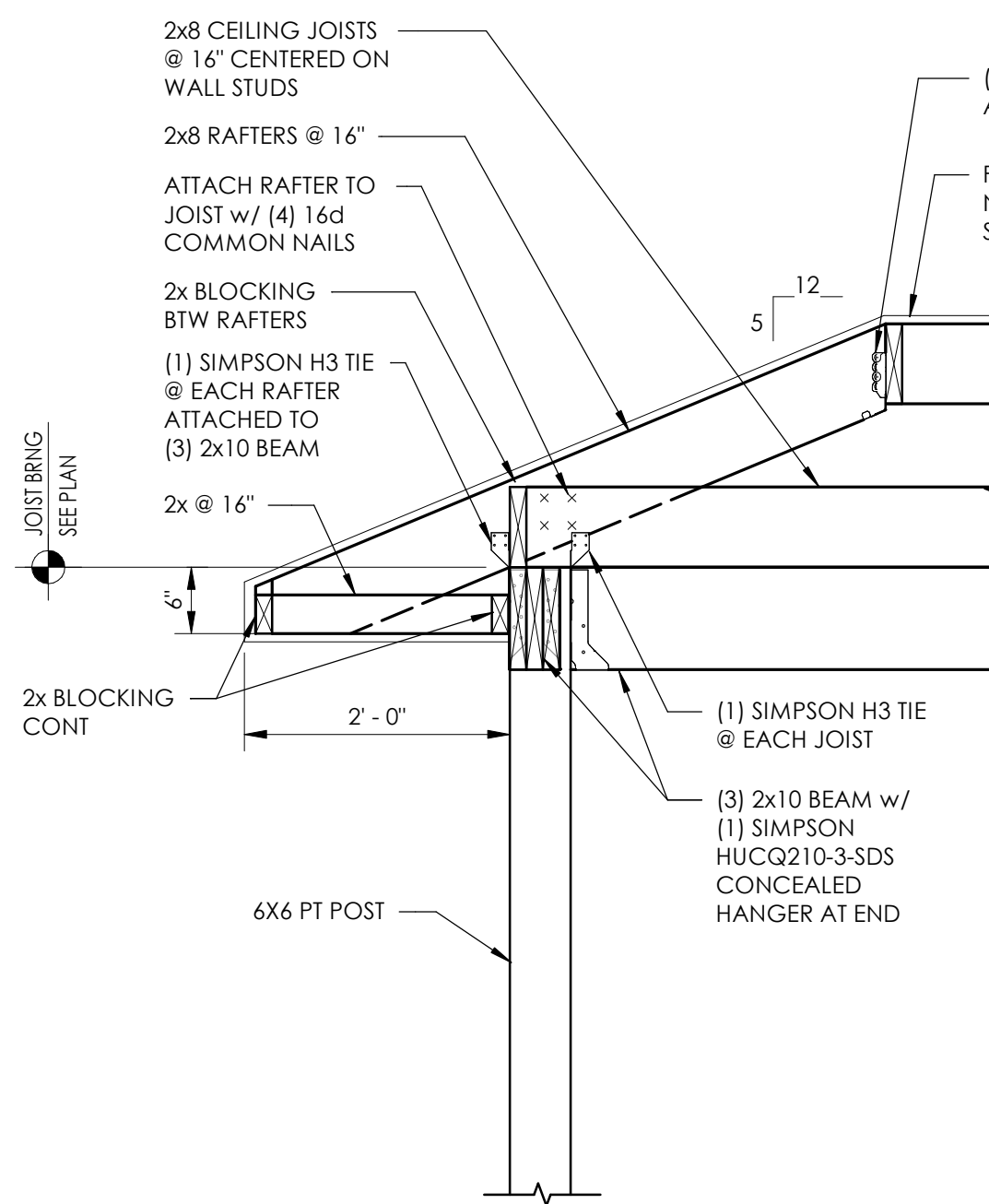
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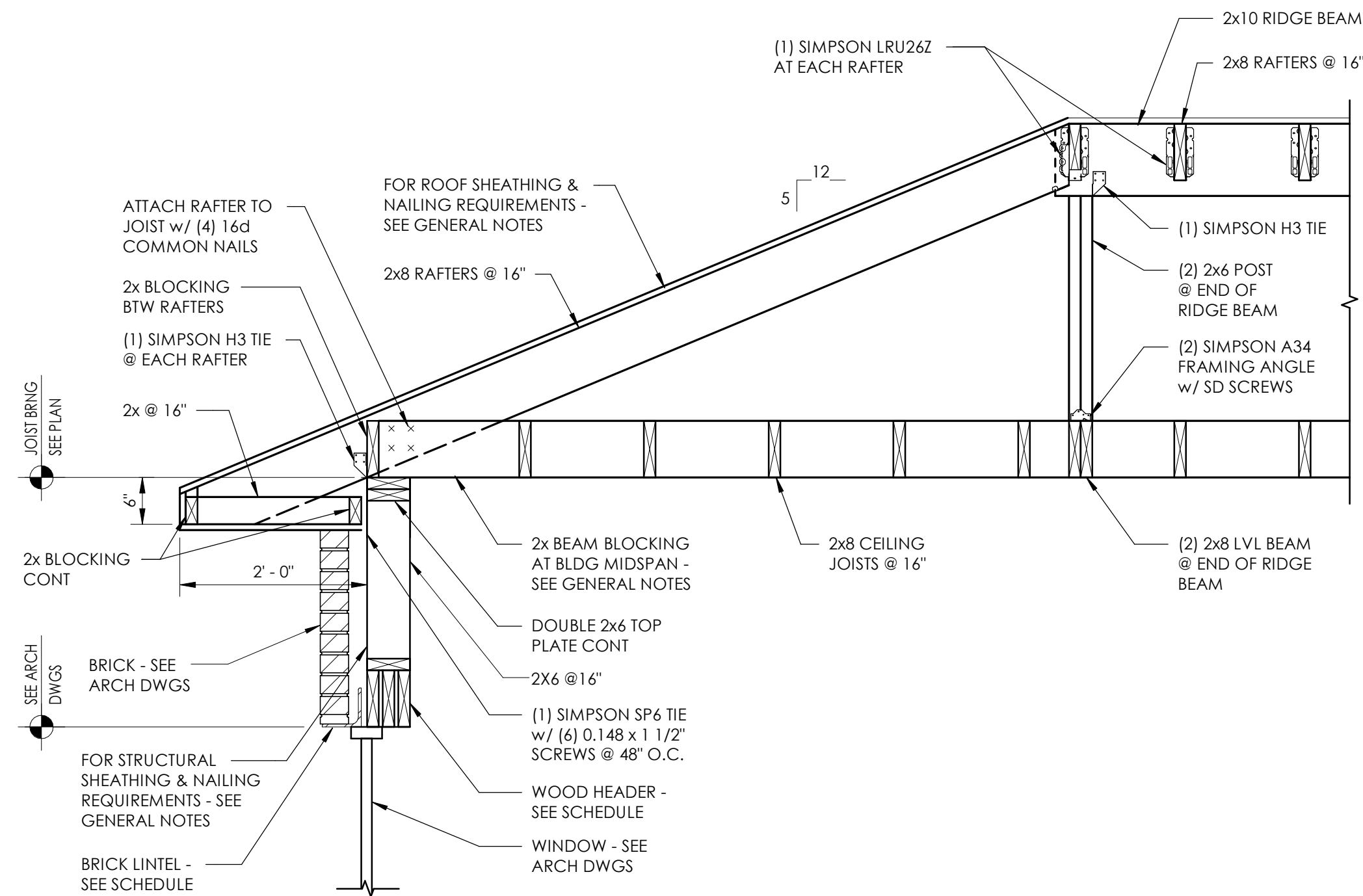
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S9 3/4" = 1'-0"



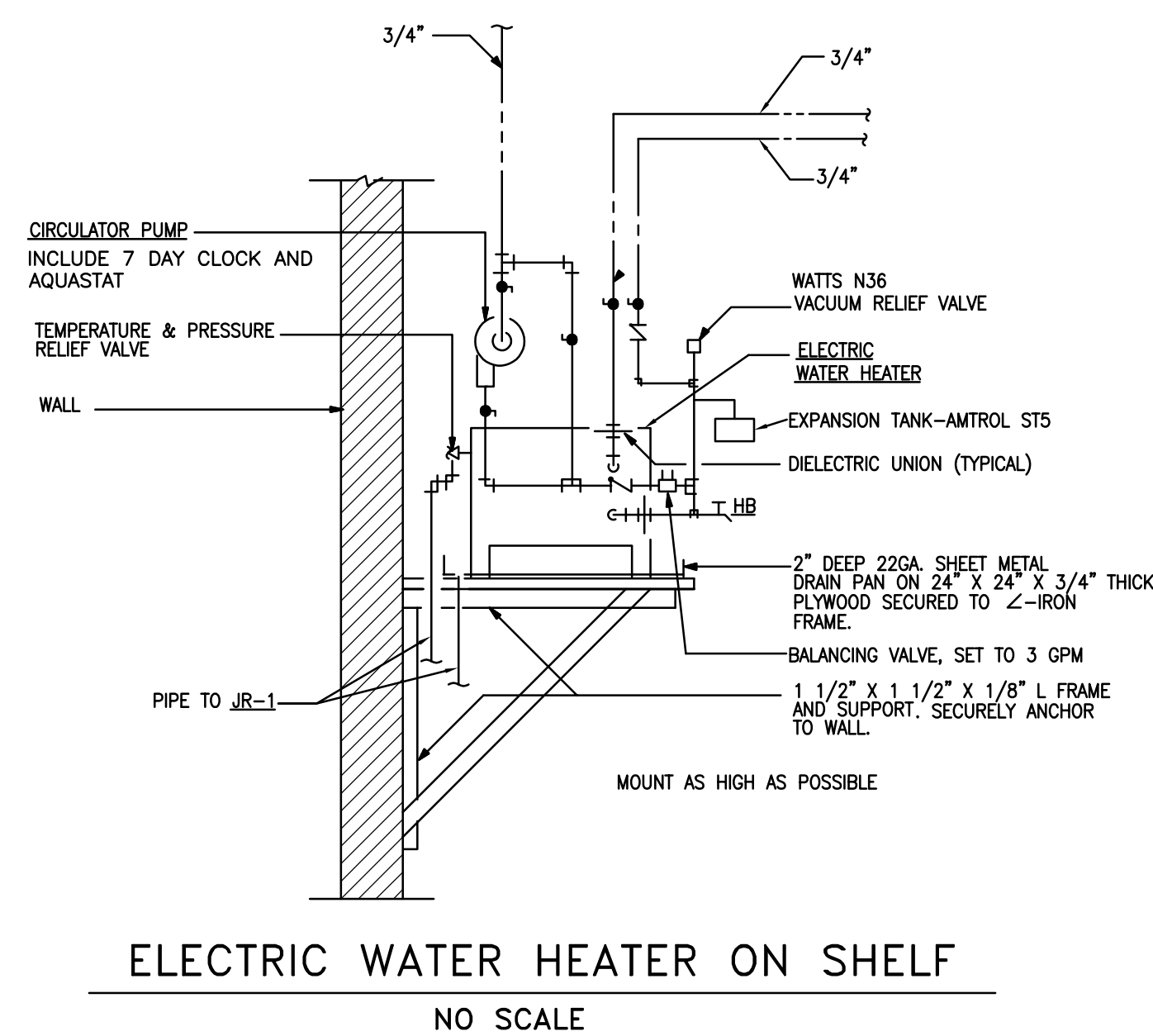
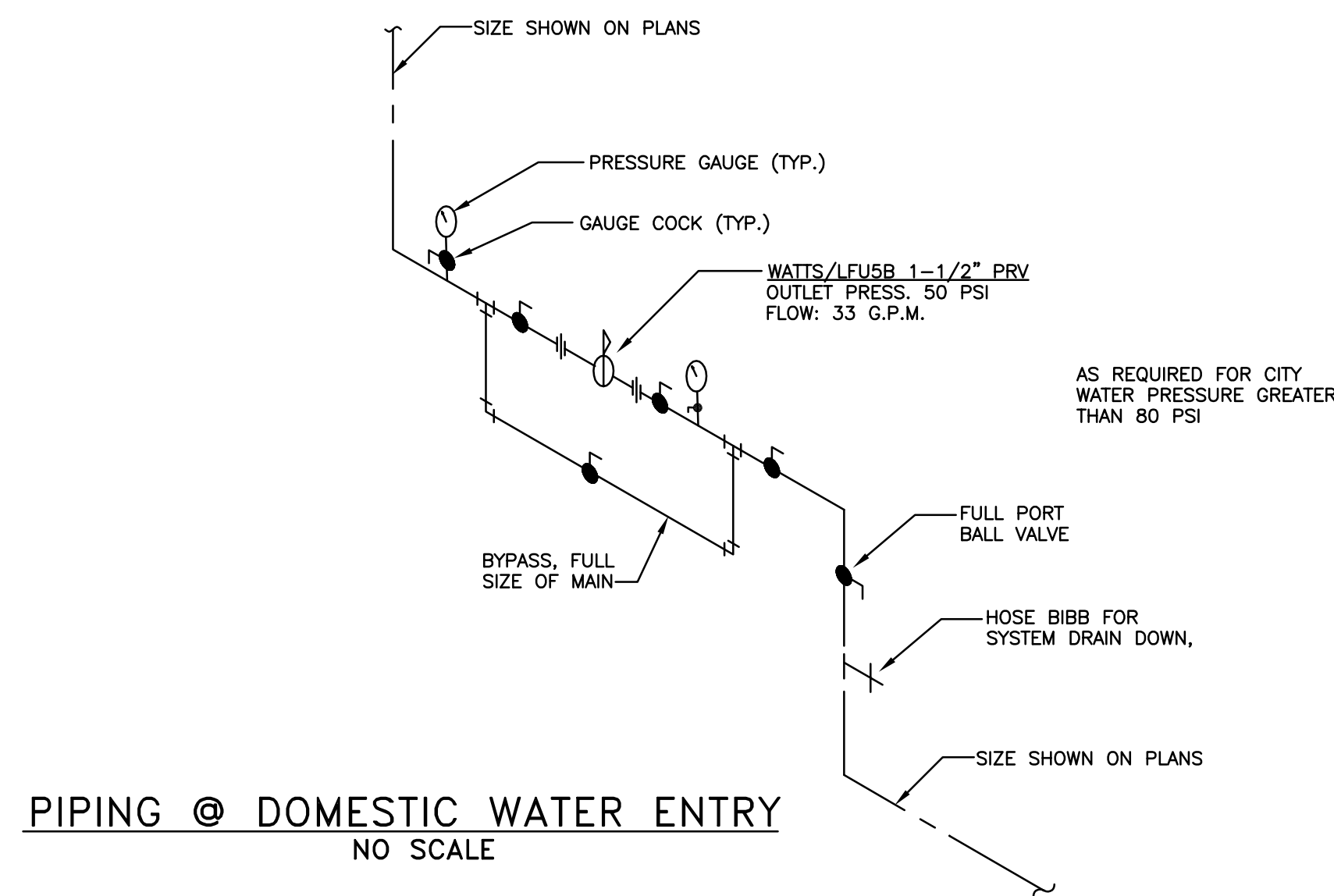
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S9 3/4" = 1'-0"



5 SECTION
S9 3/4" = 1'-0"



6 SECTION
S9 3/4" = 1'-0"



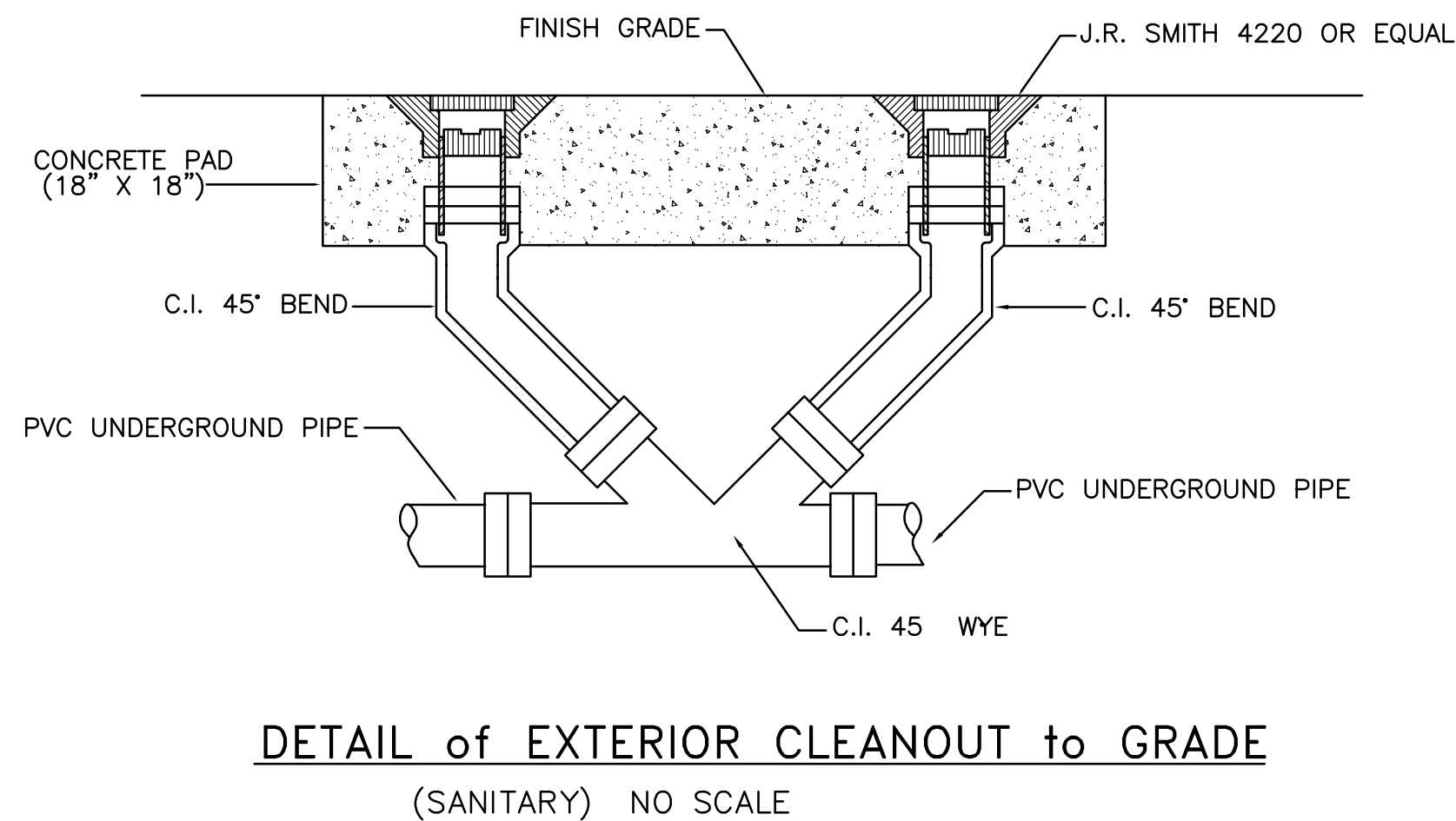
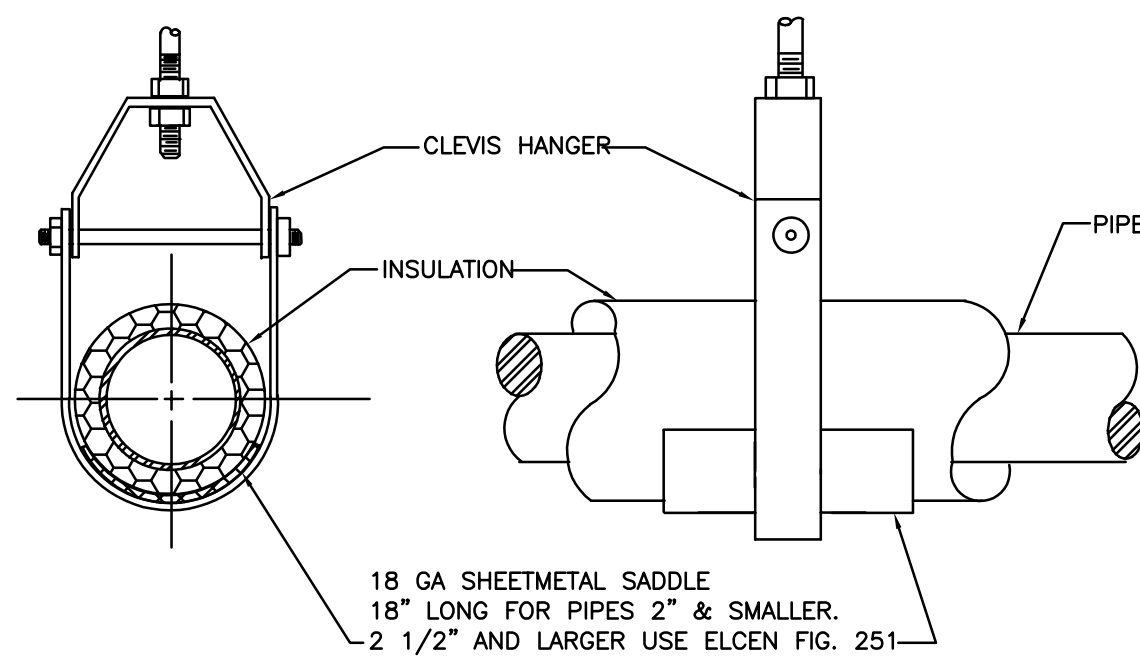
PLUMBING FIXTURE CONNECTION & DESCRIPTION SCHEDULE					
MARK	FIXTURE	WASTE	COLD WATER	HOT WATER	REMARKS
WC-1	WATER CLOSET	4"	1"	---	FLOOR MOUNTED, ADA, FLUSH VALVE
LAV-1	LAVATORY	1-1/4"	3/8"	3/8"	WALL HUNG, ADA, ASSE 1070 THERMOSTATIC MIXING VALVE
SK-1	SINK	1-1/2"	1/2"	1/2"	2-COMPARTMENT, COUNTER MOUNT STAINLESS STEEL
JR-1	JANITOR'S RECEPTOR	3"	1/2"	1/2"	PRECAST
CM	COFFEE MAKER	---	1/2"	---	BY OTHERS
IMB	ICE MAKER BOX	---	1/4"	---	

WATER HEATER									
TAG	SERVING	TYPE	GALLONS	RECOVERY ● 60°F GPH	EWI °F	LVT °F	KW	V/ø	MODEL
EWH-1	BUILDING	ELECTRIC TANK	30	30	60	120	4.5	240/1	RHEEM ELD30-TB

CIRCULATORS						
TAG	SERVES	TYPE	ELECTRICAL	CAPACITY	MODEL	NOTE
CP-1	120' HWR	IN LINE BRONZE	120/1	3 GPM @ 10 FT.	TACO 007	①

NOTE:

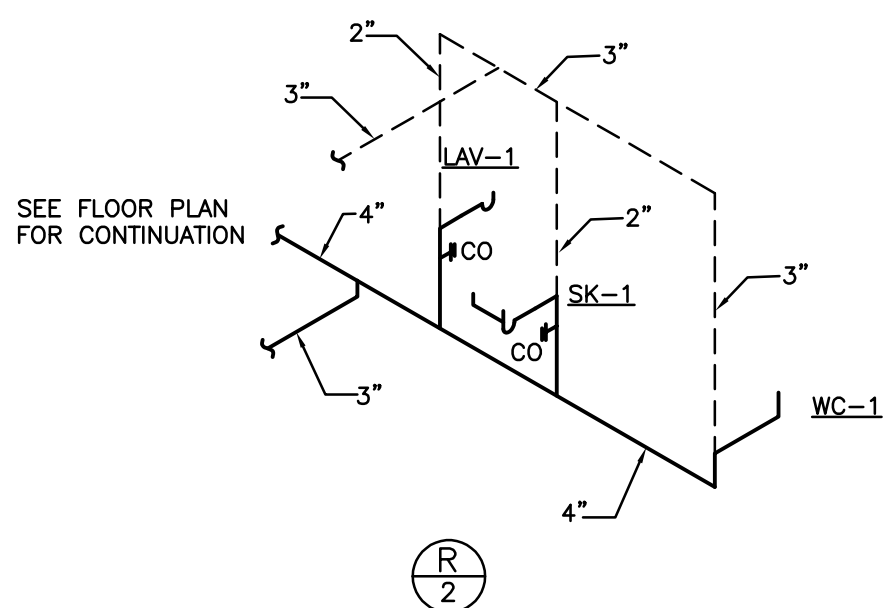
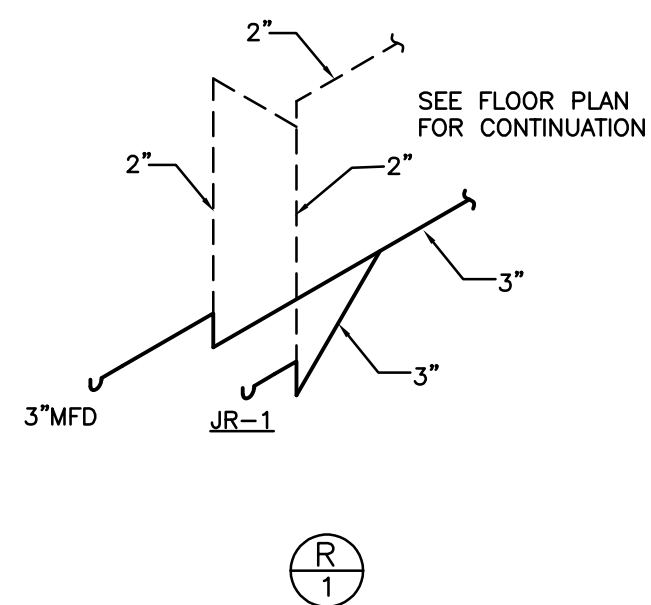
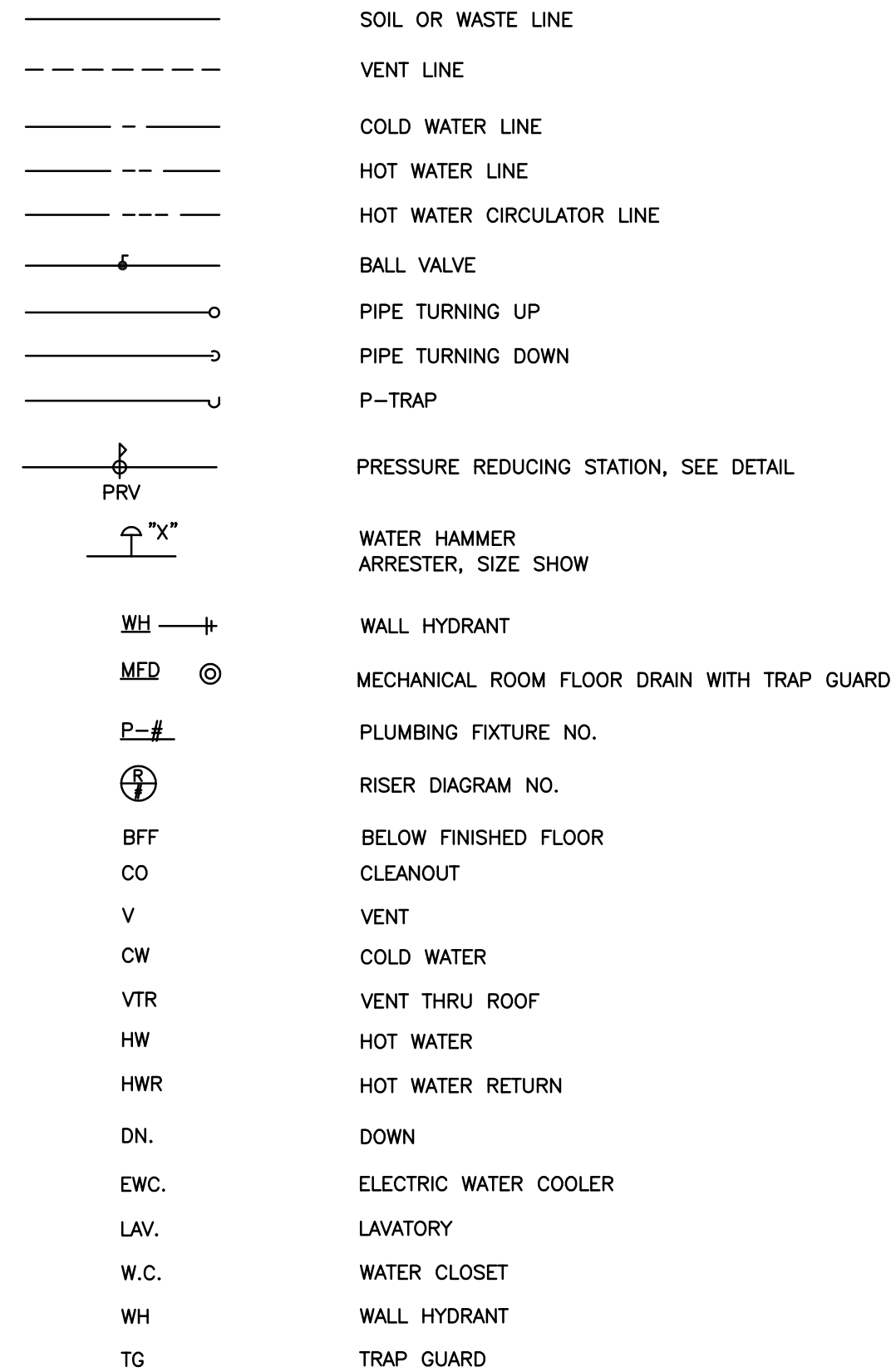
① AQUASTAT AND 7 DAY CONTROL



GENERAL NOTES

1. ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"x18"x6" THICK CONCRETE PAD.
2. WHEREVER DISSIMILAR METALS ARE CONNECTED A DIELECTRIC CONNECTOR SHALL BE USED.
3. ALL HORIZONTAL WATER AND VENT PIPING IS RUN ABOVE CEILING ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
4. ALL HORIZONTAL SANITARY PIPING IS RUN BELOW FLOOR ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
5. COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL FEATURES OF BUILDING.
6. ALL PIPE VALVES AND FITTINGS SHALL BE MADE IN THE USA
7. ALL FLOOR DRAINS ARE TO BE PROTECTED WITH TRAP GUARDS. SEE SPECS.

PLUMBING LEGEND



**MW / Davis Dumas
& Associates, Inc.**



CONSULTING ENGINEERS

500 Southlake Park, Suite 200
Hoover, Alabama 35244
Phone: (205) 252-0246
www.mwdda.com
Project # 223205

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ALABAMA
No. 14178
PROFESSIONAL
ENGINEER
JAMES S. DAVIS, JR.
12-31-2024

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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

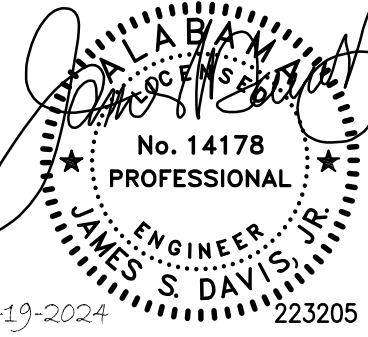
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PLUMBING LEGENDS, DETAILS, NOTES, RISERS, AND SCHEDULES

SHEET NO. **P1**
OF SHEETS

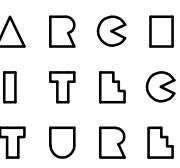
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

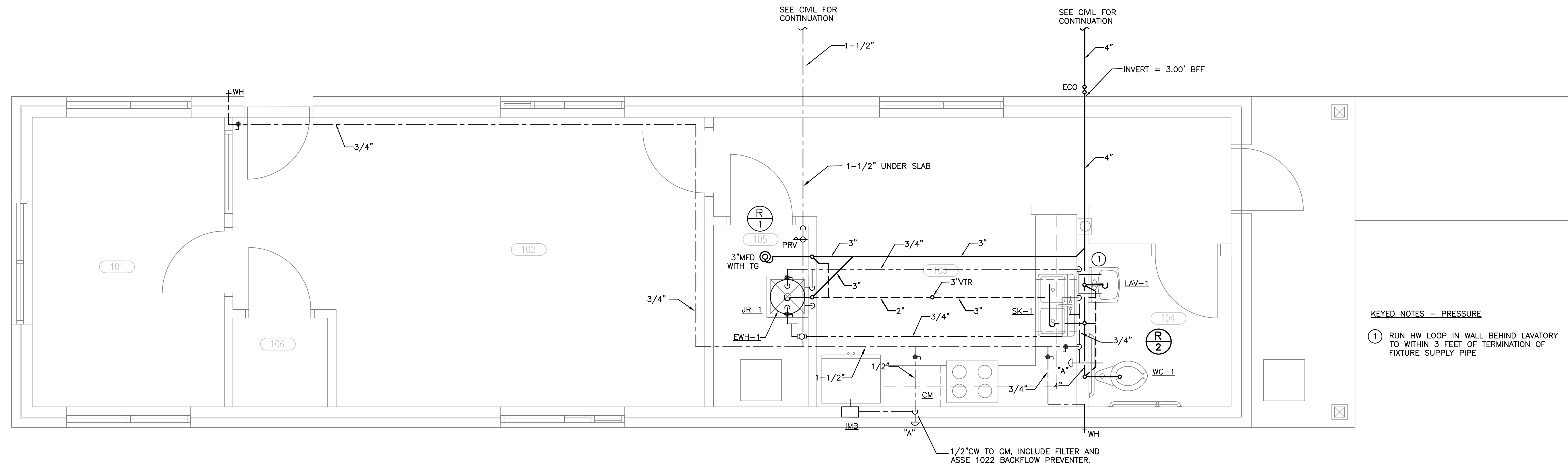
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PLUMBING FLOOR PLAN

SHEET NO.

P2

OF SHEETS



FLOOR PLAN - PLUMBING
SCALE: 3/8" = 1' - 0"



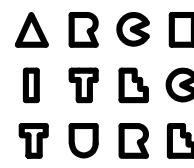
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail:
steve@cokerarch.com

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MECHANICAL
LEGENDS/
SCHEDULES

ELECTRIC WALL HEATERS (EWH)

MARK	QTY.	HEATING CAP. (KW)	(V/ø)	MIN. MOUNT HEIGHT	MAX. MOUNT HEIGHT	BASIS OF DESIGN
EWH-1	1	2.0	240/1	6 FT.	8 FT.	MARKEL 3400 SERIES

NOTE: THERMOSTAT SETPOINTS TO BE 45°F

PROVIDE UNIT MOUNTED THERMOSTAT, MOUNTING FRAME, DISCONNECT, HORIZONTAL LOUVERS, CONTACTORS, FUSING, AND CONTROL TRANSFORMER. ALL ELECTRICAL COMPONENTS SHALL BE WIRED TO A SINGLE POINT POWER CONNECTION.

OUTSIDE AIR CALCULATIONS (AC-1)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM/P (Rp)	CFM/SF (Ra)	UNCORRECTED OSA
RETAIL	8	806 SF	5.0	0.06	90
TOTAL SUPPLY AIR: (Vpz)		1,050			
TOTAL UNCORRECTED OSA: (Vou)		90 CFM			
ZONE EFFECTIVENESS: (Ez)		1.0			
VENTILATION EFFICIENCY: (Ev)		1.0			
TOTAL CORRECTED OSA: (Vot)		90 CFM			
TOTAL OSA PROVIDED:		120 CFM			

NOTES

- OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1-2013 & 2021 IMC, TABLE 403.3.
- ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez) IS 0.8zfPR CEILING SUPPLY OF WARM AIR 15°F OR MORE ABOVE SPACE TEMPERATURE.

FANS

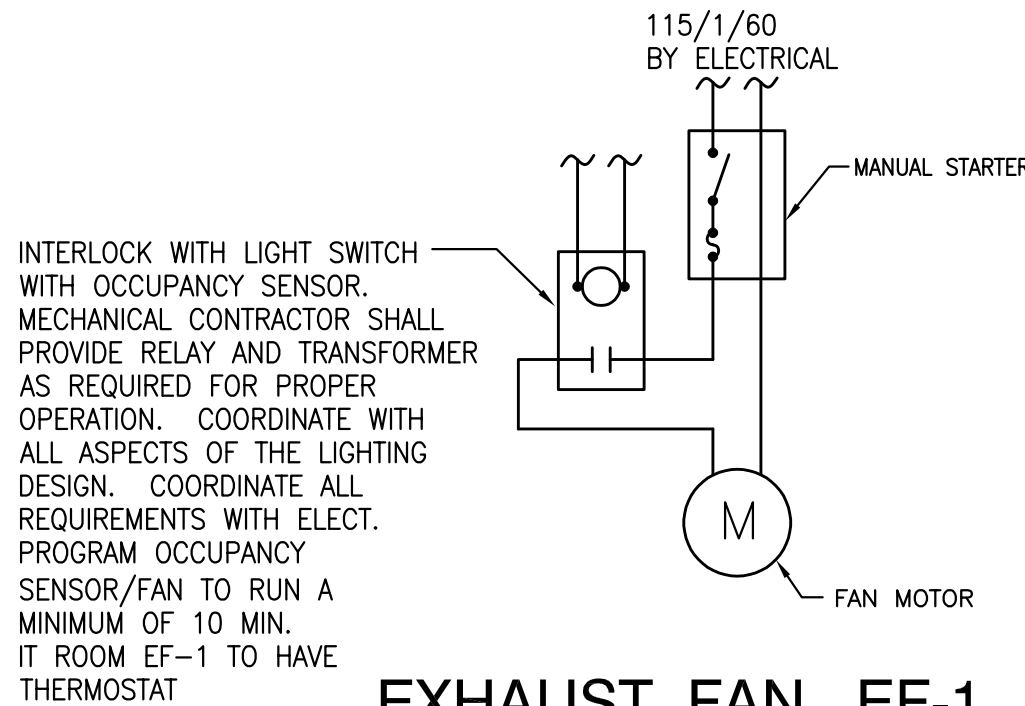
MARK	TYPE	CFM	E.S.P. (IN. WG)	MOTOR		ACCESSORIES	INTERLOCK W/	DESIGN BASIS
				HP	V/ø/Hz			
EF-1	A	50	0.25	1/8	120/1/60	1	LIGHT SWITCH	COOK GC-126

FAN TYPES:

- A CENTRIFUGAL CEILING EXHAUST FAN

FAN ACCESSORIES:

- 1 REMOVABLE ALUMINUM CEILING GRILLE, BACKDRAFT DAMPER, SPEED CONTROLLER, RUBBER-IN-SHEAR ISOLATORS, DISCONNECT SWITCH.



EXHAUST FAN EF-1 CONTROLS DIAGRAM

1 NOT TO SCALE

HVAC DUCTWORK LEGEND

	NEW DUCTWORK		DUCT TURNING DOWN
	CEILING RETURN GRILLE 24X24 CUBE CORE		DUCT TURNING UP
	LOUVERED FACE CEILING DIFFUSER		RISE OR DROP IN DUCT
	CEILING RETURN OR EXHAUST, REGISTER OR GRILLE		FIRE DAMPER (RATING EQUAL TO WALL RATING) (PROVIDE ACCESS DOOR IN DUCT) (RUSKIN DIBD2 OR EQUAL)
	LAY-IN LOUVERED FACE CEILING DIFFUSER		COMBINATION SMOKE/FIRE DAMPER (PROVIDE ACCESS DOOR IN DUCT)
	SIDEWALL SUPPLY REGISTER		SMOKE DAMPER (RUSKIN SD50 OR EQUAL)
	SUPPLY AIR DUCT SECTION		MANUAL DAMPER (RECT. = RUSKIN MD25 OR EQUAL, RND. = RUSKIN MDRS25 OR EQUAL)
	RETURN OR EXHAUST AIR DUCT SECTION		AUTOMATIC DAMPER (RUSKIN CD50 OR EQUAL)
	ROUND 90° ELBOW		RECTANGULAR BRANCH OFF RECTANGULAR DUCT WITH MANUAL DAMPER
	ROUND, 45° ELBOW		ROUND MEDIUM PRESSURE DUCT TAP OFF RECTANGULAR MEDIUM PRESSURE DUCT WITH BELLMOUTH FITTING. (SEE SPECIFICATIONS)
	RECTANGULAR, 90° ELBOW WITH TURNING VANES		FLEXIBLE DUCT
	RECTANGULAR, 45° ELBOW		

AIR DEVICE LEGEND

MARK	DESCRIPTION	(X)	MODEL #
		SQUARE NECK SIZE	
LD(X)	LOUVER FACE 24"X24" LAY-IN CEILING DIFFUSER. 4-WAY THROW UNLESS NOTED OTHERWISE. CFM SHOWN.	NECK SIZE	ROUND RUNOUT
		6 X 6	6"ø
		9 X 9	8"ø
		12 X 12	10"ø
		15 X 15	12"ø
		18 X 18	14"ø
SD(X)	SAME AS LD, SURFACE MOUNTED.	SQUARE NECK SIZE	TITUS TDC-AA
E(X)	CEILING EXHAUST GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE	TITUS 50F
R(X)	CEILING RETURN GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE	TITUS 50F

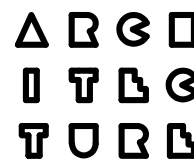
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

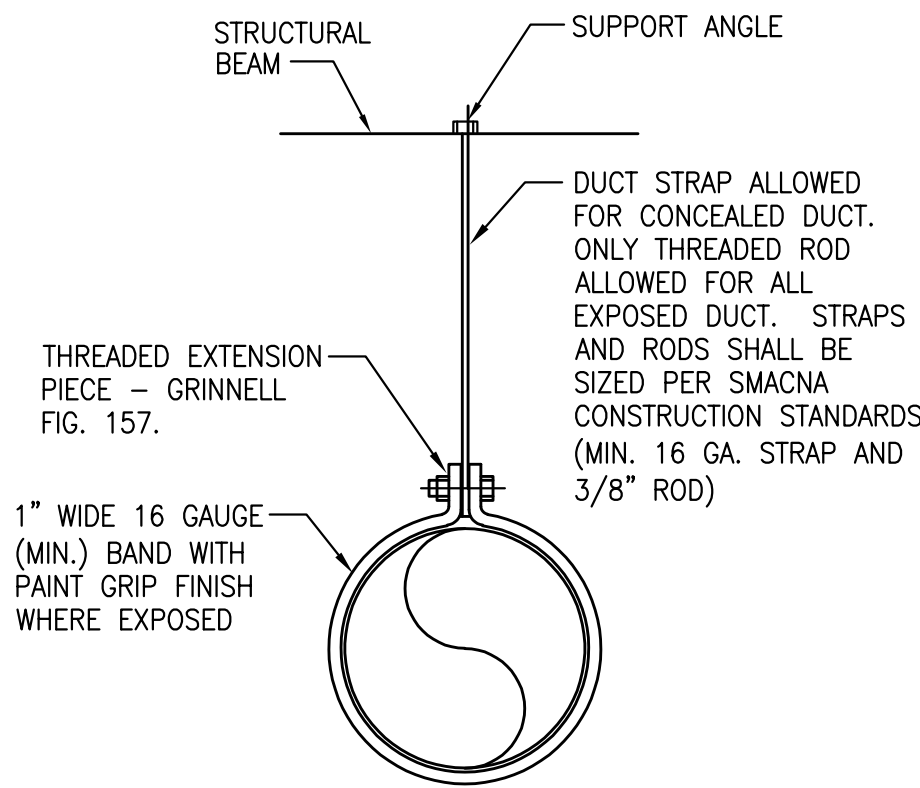
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steve@cokerarch.com

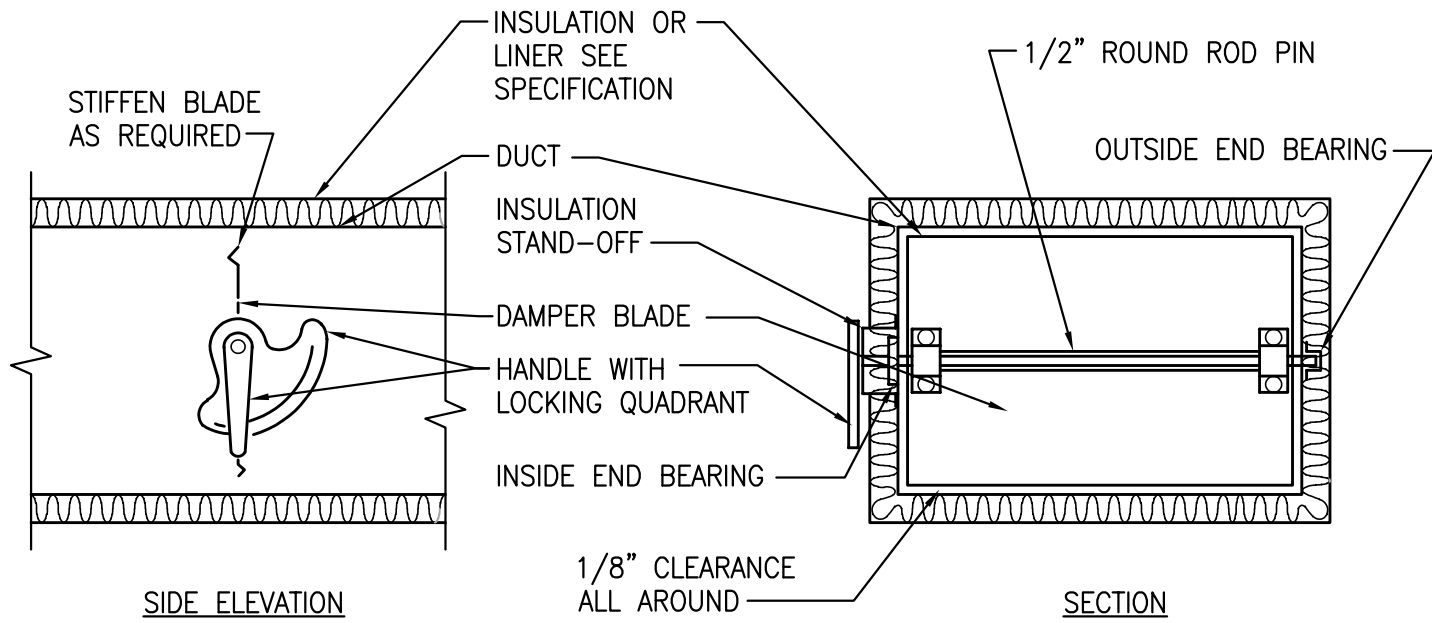
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MECHANICAL
DETAILS

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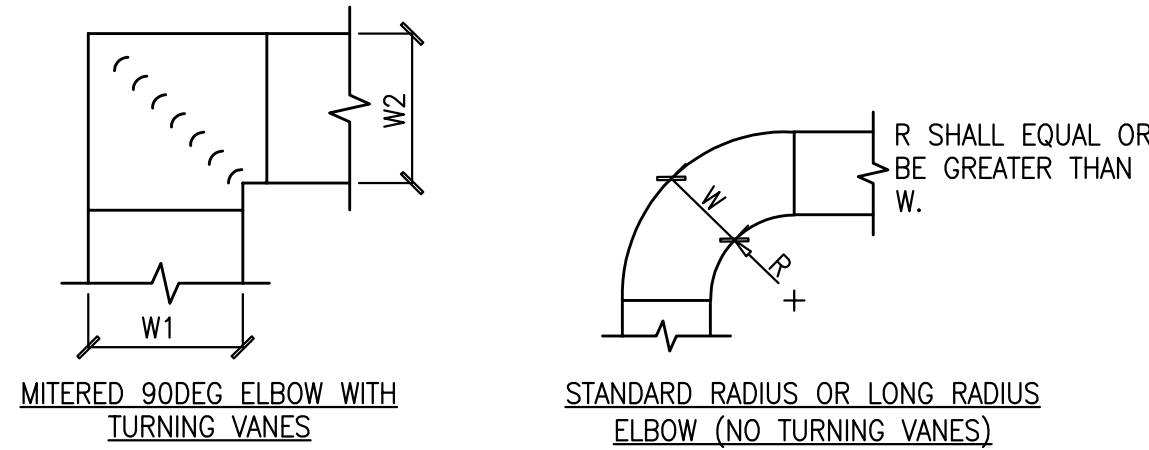


1 ROUND DUCTWORK
HANGER / SUPPORT DETAILS
NOT TO SCALE



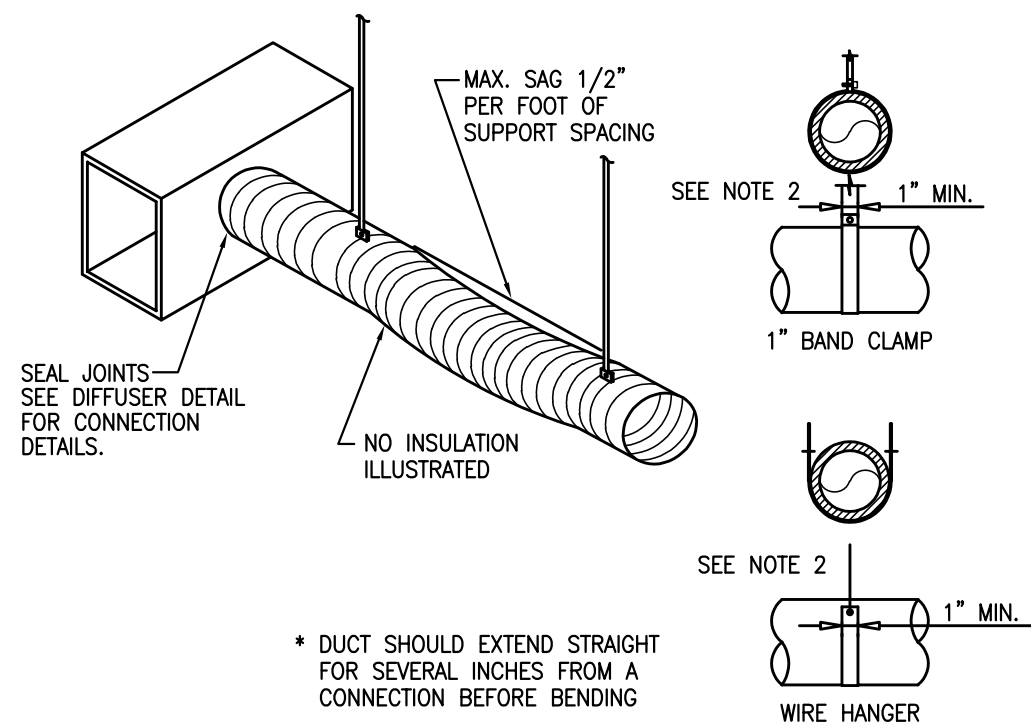
- NOTE:
- DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
 - DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.
 - MANUAL DAMPERS SHALL BE EQUAL TO RUSKIN MD35 (FOR RECTANGULAR DUCTS) AND SHALL BE EQUAL TO RUSKIN MDRS25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

2 MANUAL DAMPER (MD) DETAIL
NOT TO SCALE



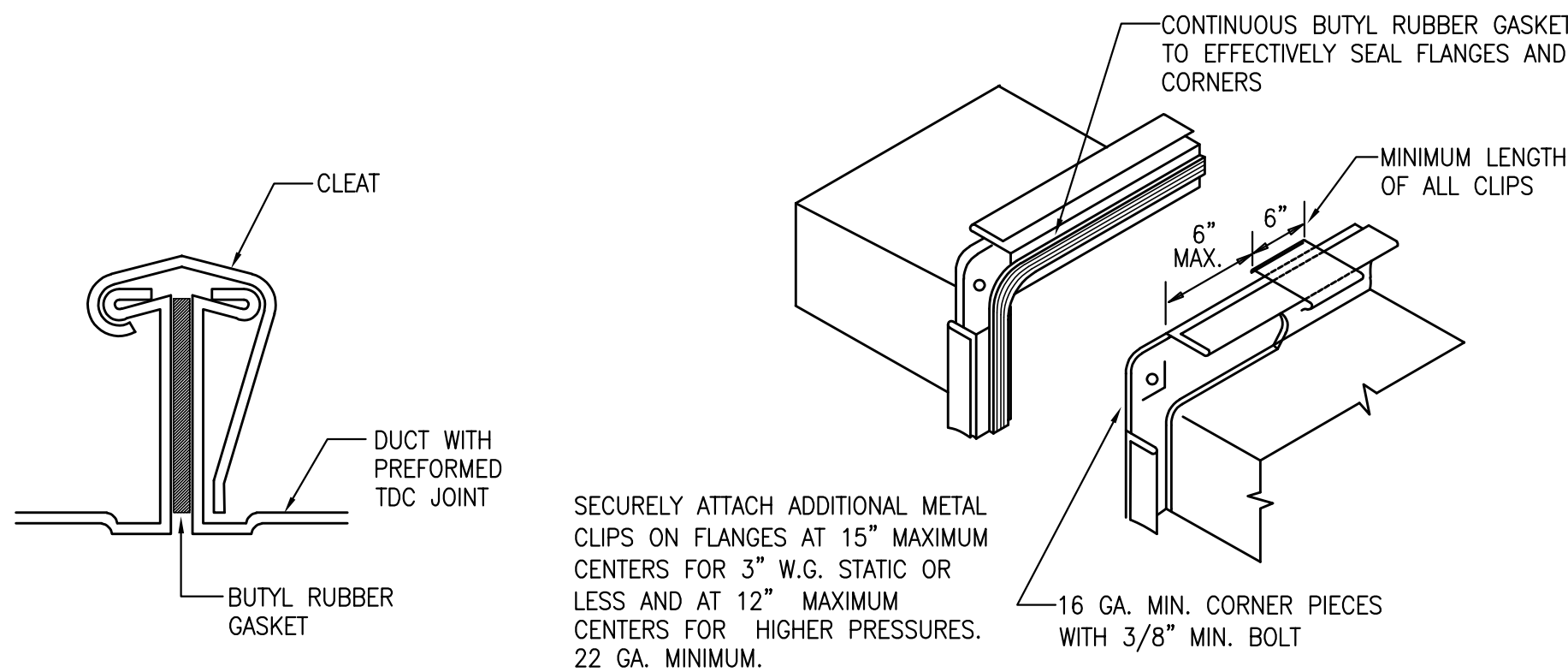
- NOTE:
- ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA. NO PUSH-ON VANE RUNNERS ALLOWED.
 - BOTH LEGS OF ELBOW EQUAL SIZE. PROVIDE ELBOWS UPSTREAM AND DOWNSTREAM AS REQUIRED TO MAINTAIN SAME SIZE LEGS.
 - ALL SINGLE THICKNESS VANES SHALL HAVE A 2" RADIUS, 1 1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
 - PROVIDE RADIUSED ELBOWS WHERE SPACE ALLOWS.

3 DUCTWORK ELBOW DETAIL
NOT TO SCALE

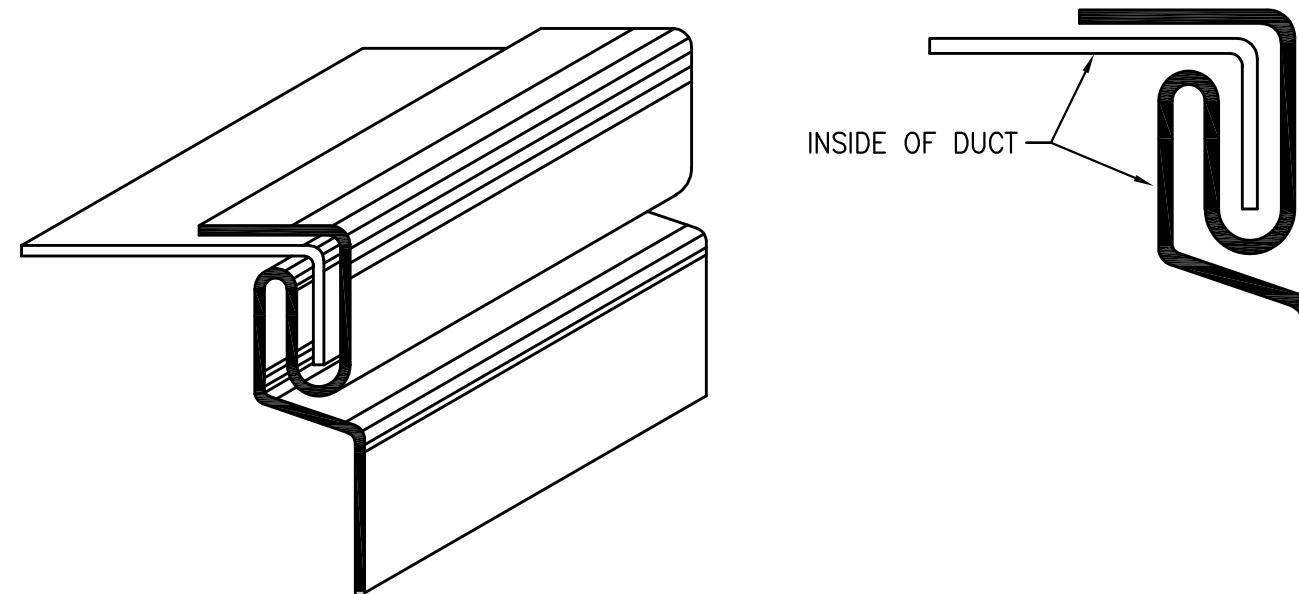


- NOTES:
- SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE.
 - DUCTS ARE FLEXIBLE WITH EXTERNAL INSULATION AND VAPOR BARRIER JACKETING.
 - MIN. CENTER LINE BEND LINE RADIUS IS ONE DIA. (OR INSIDE RADIUS OF D/2).
 - FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 5 LINEAR FEET.

4 FLEXIBLE DUCT SUPPORT DETAIL
NOT TO SCALE



5 TDC / DUCTMATE TRAVERSE JOINT DETAIL
NOT TO SCALE



6 PITTSBURGH LONGITUDINAL SEAM DETAIL
NOT TO SCALE

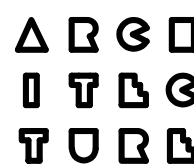
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LLC

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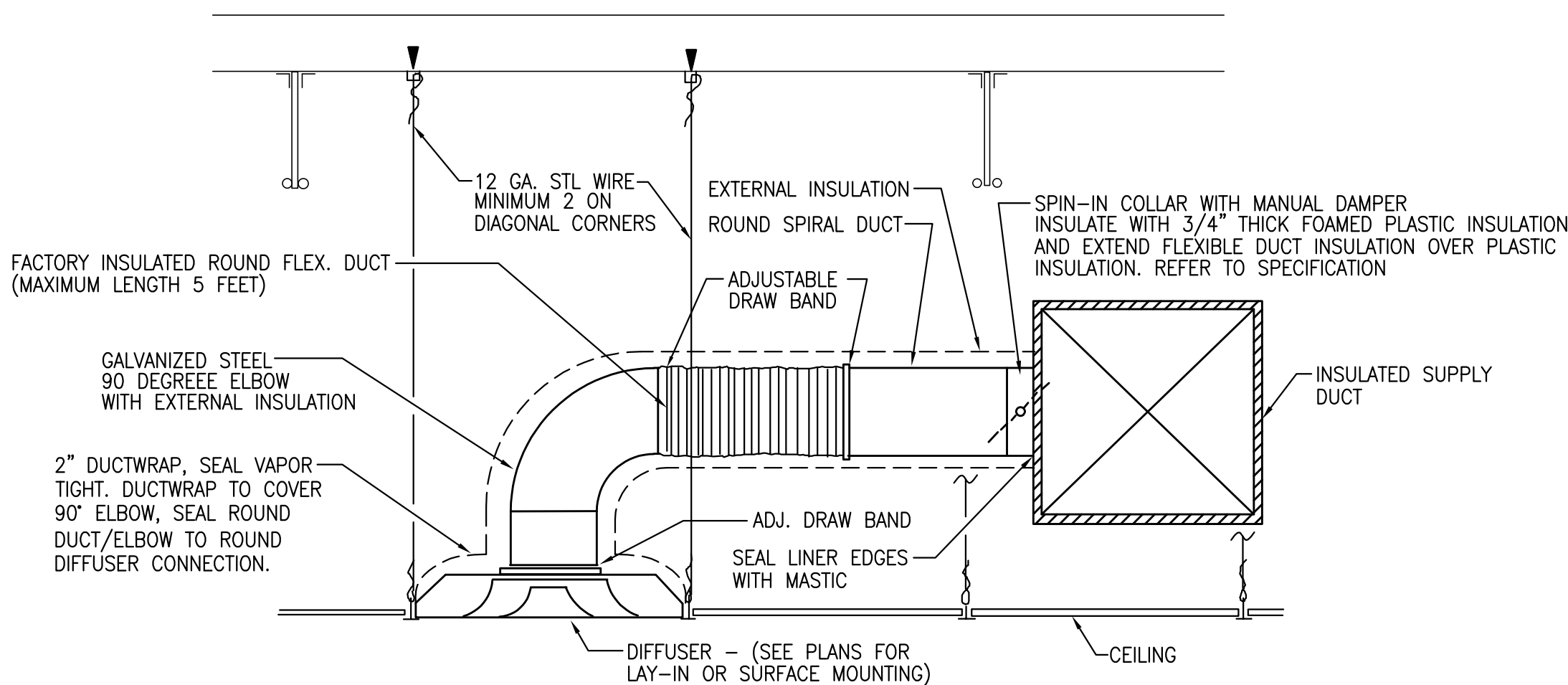
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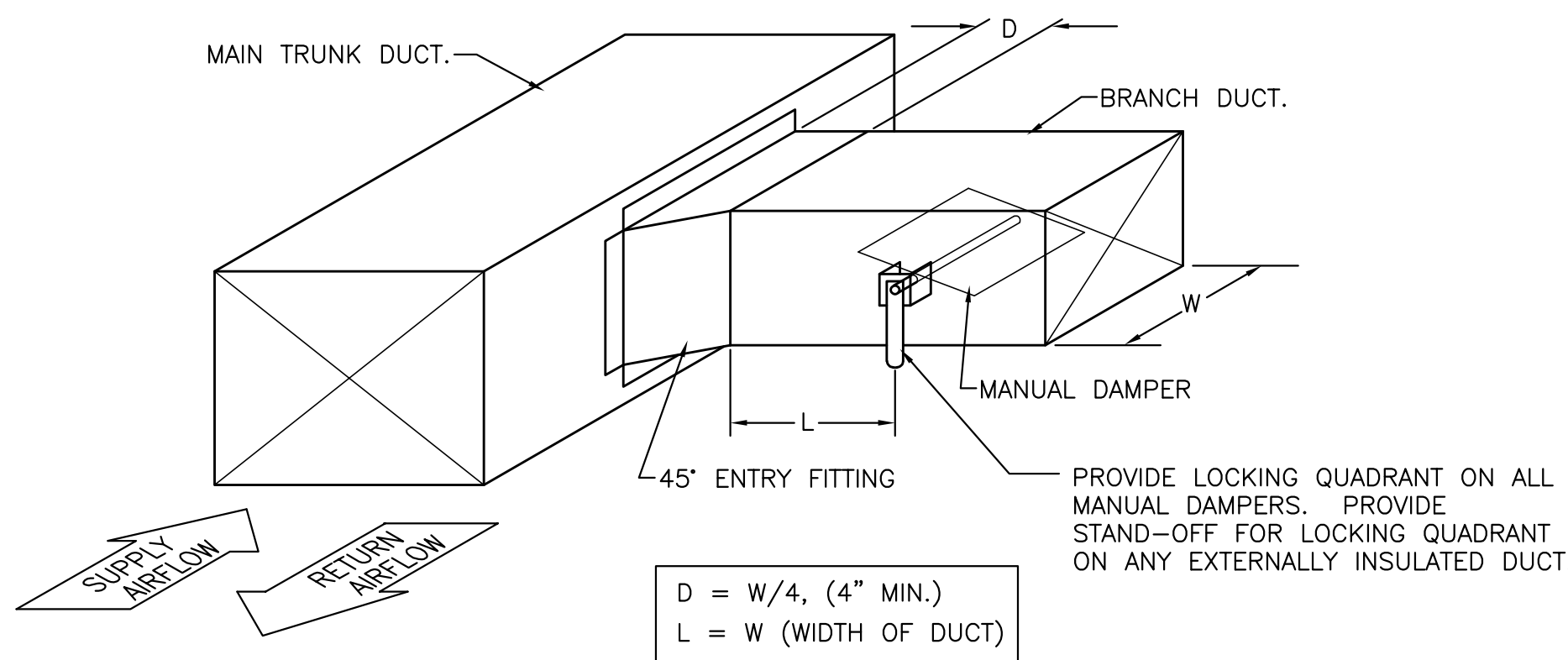
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MECHANICAL
DETAILS

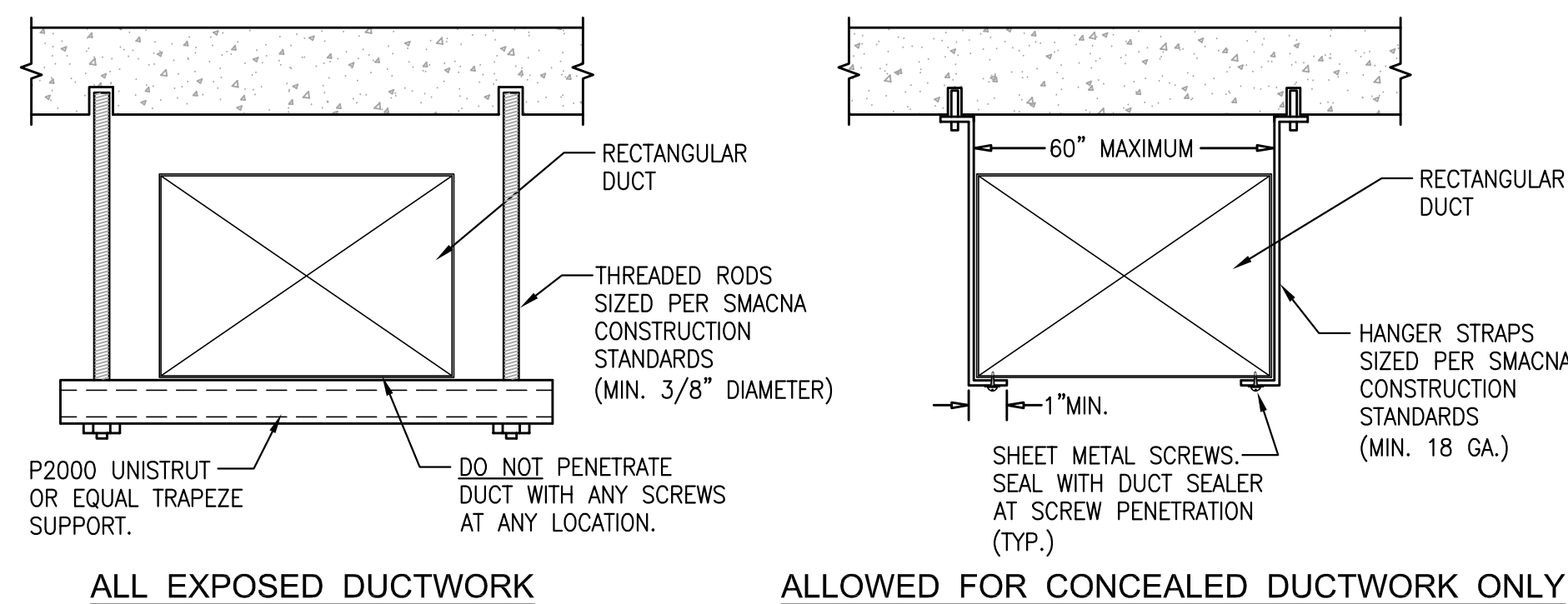
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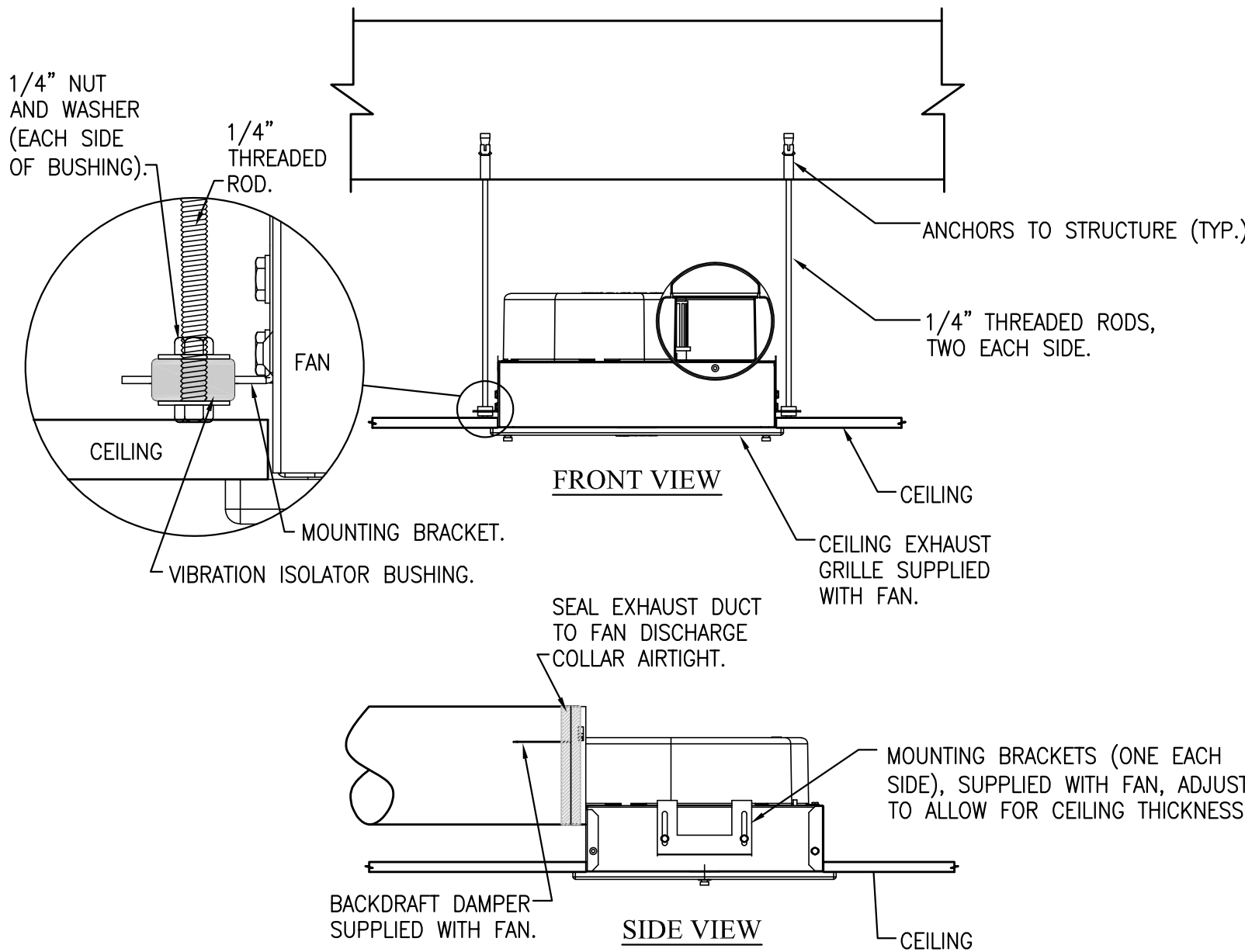
1 CEILING DIFFUSER INSTALLATION DETAIL
NOT TO SCALE



3 DUCT BRANCH CONNECTION DETAIL
NOT TO SCALE



4 RECTANGULAR DUCTWORK HANGER / SUPPORT DETAILS
NOT TO SCALE

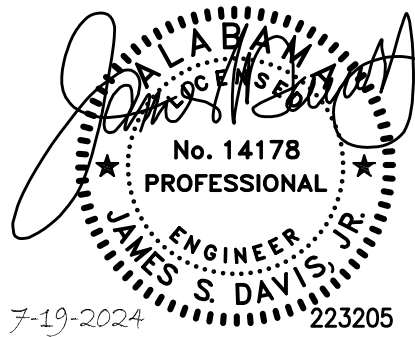


2 CEILING EXHAUST FAN DETAIL
NOT TO SCALE



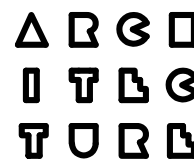
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LLC

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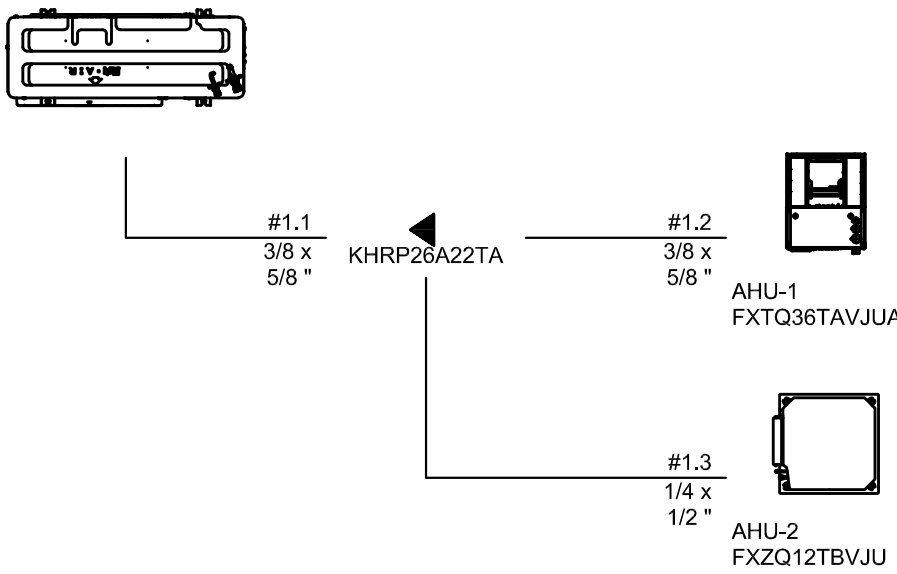
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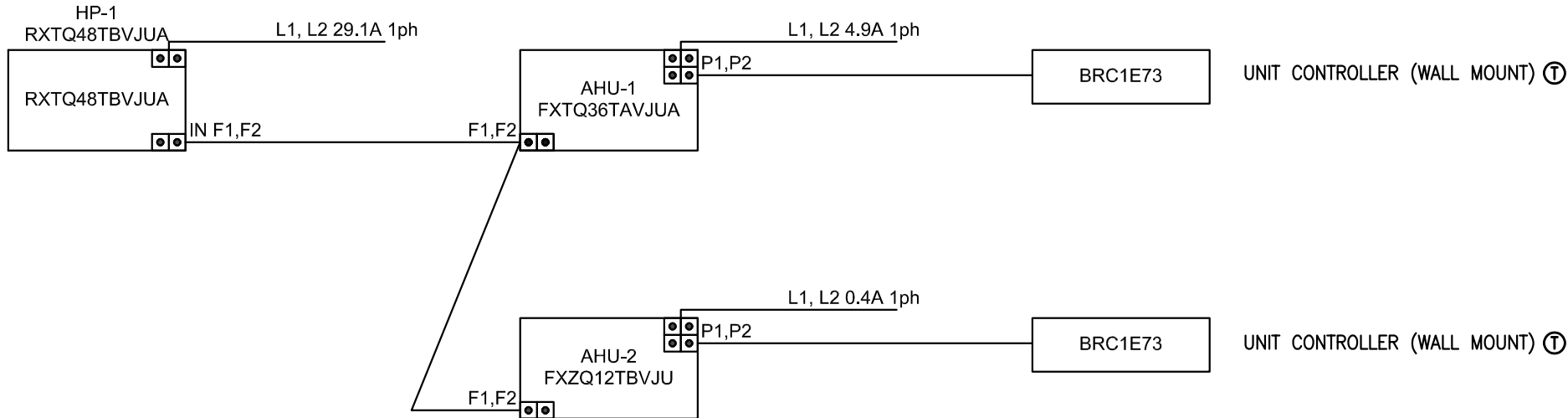
MECHANICAL
VRF SCHEDULE/
SCHEMATICS

SHEET NO.
M5
OF SHEETS

VARIABLE REFRIGERANT VOLUME - INDOOR UNIT SCHEDULE																			
MARK	LOCATION	TYPE	CFM	MIN OA	COOLING CAPACITY				HEATING CAPACITY		AUXILIARY HEAT (KW)	ELECTRICAL			ESTIMATED WEIGHT LBS	NOMINAL TONS	BASIS OF DESIGN		
					TOTAL (MBH)	SENSIBLE (MBH)	ENTERING AIR °F DB	AIR °F WB	TOTAL MBH	ENTERING AIR °F DB		(V/ø/Hz)	MCA	MOCP					
AHU-1	JAN	MULTI POSITION AIR HANDLER	1050	120	36.00	23.90	80.0	67.0	40.00	70.0	8.0	230/1/60	46.5	50	140	3	DAIKIN FXTQ36TAVJUA		
AHU-2	OFFICE	4-WAY DISCHARGE CEILING CASSETTE VISTA (2'X2') WHITE	350	40	11.94	7.70	80.0	67.0	13.64	70.0	N/A	230/1/60	0.4	15.0	36.4	1	DAIKIN FXZQ12TBVJU		
<div>ACCESSORIES</div> <div>① WIRED WALL MOUNTED CONTROLLER. ② PROVIDE DISCONNECT SWITCH. ③ PROVIDE GPS-FC48-AC SELF-CLEANING NEEDLEPOINTBIPOLAR IONIZATION SYSTEM FOR AHU-1.</div> <div>NOTES:</div> <div>Ⓐ COOLING CAPACITY IS NET CAPACITY @ 95°F AMBIENT. HEATING CAPACITY 47°F. Ⓑ PROVIDE AND INSTALL ALL COMMUNICATION WIRING BETWEEN INDOOR UNIT, OUTDOOR UNIT AND WALL MOUNTED CONTROLLER AS REQUIRED. ALL WIRING SHALL BE AS REQUIRED AND RECOMMENDED BY THE UNIT MANUFACTURER. ALL WIRING SHALL BE PLENUM RATED. Ⓒ PROVIDE 1 YEAR PARTS WARRANTY AND PROVIDE FACTORY STARTUP. PROVIDE SEPARATE LINE ITEM PRICE FOR FULL UNIT 5 YEAR PARTS & LABOR WARRANTY. PROVIDE SEPARATE LINE ITEM PRICE FOR 6 MONTH DELAYED STARTUP WARRANTY.</div>																			
VARIABLE REFRIGERANT VOLUME - AIR-COOLED CONDENSING UNIT SCHEDULE																			
MARK	SERVES	NOMINAL TONS	COOLING CAPACITY		HEATING CAPACITY		REFRIGERANT CHARGE		CONNECTION RATIO %	ELECTRICAL				DIMENSIONS WxHxD	ESTIMATED WEIGHT	EFFICIENCY			BASIS OF DESIGN
			MBH	AMBIENT DESIGN (°F DB)	MBH	AMBIENT DESIGN (°F DB/WB)	FACTORY CHARGE (LBS)	ADD'L REFRIGERANT (LBS)		(V/ø/Hz)	MCA	MOCP	RLA			EER2	SEER2	HSPF2	
HP-1	AHU-1 AHU-2	4.0	48.11	95.0	43.79	32.0/30.7	7.5	N/A	100.0	230-1-60	29.1	35.0	19.0	37.0x39.0x12.6	176.4 LBS.	7.9	14.6	8.3	DAIKIN RXTQ48TBVJUA
<div>ACCESSORIES:</div> <div>① PROVIDE DISCONNECT SWITCH.</div> <div>NOTES:</div> <div>Ⓐ PROVIDE 1 YEAR PARTS WARRANTY AND PROVIDE FACTORY STARTUP. PROVIDE 5 YEAR COMPRESSOR WARRANTY. PROVIDE SEPARATE LINE ITEM PRICE FOR FULL UNIT 5 YEAR PARTS & LABOR WARRANTY. PROVIDE SEPARATE LINE ITEM PRICE FOR 6 MONTH DELAYED STARTUP WARRANTY.</div>																			



1 VRF PIPING SCHEMATIC
NOT TO SCALE






















































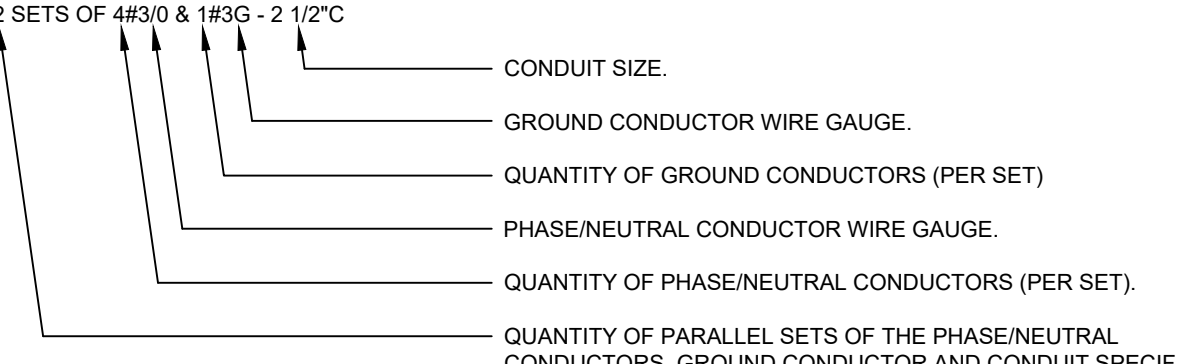
2 VRF WIRING SCHEMATIC
NOT TO SCALE

GENERAL ELECTRICAL NOTES	
1.	CONTRACTOR SHALL VERIFY ALL REQUIREMENTS FOR TELEPHONE AND POWER SERVICES WITH RESPECTIVE UTILITY COMPANIES PRIOR TO SUBMITTING BID. IF THEIR REQUIREMENTS ARE AT A VARIANCE WITH THOSE SHOWN ON PLANS THE CONTRACTOR SHALL INFORM ARCHITECT IMMEDIATELY. INCLUDE ALL COSTS IN BID TO PROVIDE INSTALLATION MEETING UTILITY REQUIREMENTS. ANY POWER OR TELECOM AID-TO-CONSTRUCTION COSTS REQUIRED BY THE UTILITY WILL BE PAID BY THE OWNER DIRECTLY AND SHALL BE EXCLUDED FROM THE BID PRICE. ALL TEMPORARY UTILITY COSTS ARE THE RESPONSIBILITY OF THIS CONTRACTOR AND SHALL BE INCLUDED IN BID.
2.	UPON AWARD OF CONTRACT, CONTRACTOR SHALL IMMEDIATELY PREPARE SHOP DRAWINGS AND COORDINATE UTILITY WORK/SCHEDULE WITH UTILITY COMPANY. ALL LONG LEAD MATERIALS SHALL BE SUBMITTED AS SOON AS POSSIBLE TO NOT AFFECT THE PROJECT SCHEDULE. CONTRACTOR SHALL NOTE SPECIFICATION REQUIREMENT FOR A SHORT CIRCUIT STUDY AS PART OF THE OVERALL POWER SYSTEM STUDY TO BE SUBMITTED PRIOR TO ORDERING EQUIPMENT.
3.	CONTRACTOR SHALL VISIT THE SITE OF THE WORK PRIOR TO SUBMITTING BID TO EXAMINE CAREFULLY LOCAL CONDITIONS AND DIFFICULTIES TO BE ENCOUNTERED. ANY DISCREPANCY BETWEEN PLANS AND EXISTING CONDITIONS SHALL IMMEDIATELY BE CALLED TO THE ATTENTION OF THE ARCHITECT.
4.	THESE PLANS GENERALLY INDICATE A DEDICATED HOMERUN FOR EACH CIRCUIT. CONTRACTOR MAY COMBINE CONTIGUOUS 20A-10 CIRCUITS WITHIN COMMON HOMERUN CONDUITS (WHERE MC CABLING IS NOT USED) BUT SHALL NOT ROUTE MORE THAN THREE (3) CIRCUITS TOGETHER AND NO MORE THAN SIX (6) CURRENT CARRYING CONDUCTORS IN THE SAME CONDUIT. CONDUCTORS SHALL BE COLOR CODED PER N.E.C. STANDARDS. PROVIDE DEDICATED NEUTRAL FOR EACH SINGLE PHASE CIRCUIT.
5.	ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH NEC.
6.	THIS CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT FROM MANUFACTURER'S RECOMMENDATIONS PRIOR TO ROUGHING IN CONDUIT OR ORDERING CIRCUIT PROTECTION DEVICES. CONTRACTOR SHALL ADJUST CONDUIT SIZE, WIRE SIZE AND CIRCUIT PROTECTION SIZE ACCORDINGLY. IF REQUIREMENTS ARE LARGER THAN CALLED FOR ON ELECTRICAL PLANS NOTIFY ARCHITECT IMMEDIATELY.

LIGHTING FIXTURE SCHEDULE									
MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS			MOUNTING HEIGHT	MOUNTING TYPE	REMARKS
				WATTS	LUMENS	TYPE			
A	RAB OR APPROVED EQUAL	EZPAN-2X4-50W-N	120	50	5,500	LED 4,000K	CEILING	RECESSED	
AE	RAB OR APPROVED EQUAL	EZPAN-2X4-50W-N-E2	120	50	5,500	LED 4,000K	CEILING	RECESSED	EM
B	GOTHAM PRESCOLITE CALCULITE	IVO4S-D-15LM-40K-80CRI-WD ICAT-P-AR-LSS-F	120	15.7	1,500	LED 4,000K	CEILING	RECESSED	
BE	GOTHAM PRESCOLITE CALCULITE	IVO4S-D-15LM-40K-80CRI-WD E6WR-ICAT-P-AR-LSS-F	120	15.7	1,500	LED 4,000K	CEILING	RECESSED	EM
C	RAB OR APPROVED EQUAL	EZPAN-2X2-30W-N	120	30	3,816	LED 4,000K	CEILING	RECESSED	
CE	RAB OR APPROVED EQUAL	EZPAN-2X2-30W-N-E2	120	30	3,816	LED 4,000K	CEILING	RECESSED	EM
UC	KELVX OR EQUAL	UC14-3040-010V-120277-WH	120	8	549	LED 4,000K	UNDER CABINET	SURFACE	UC
W	LITHONIA HUBBELL SIGNIFY	DSXW1-LED-10C-700-40K-T4M	120	26	2,701	LED 4,000K	SEE PLANS	OUTLET BOX	FSA
WE	LITHONIA HUBBELL SIGNIFY	DSXW1-LED-10C-700-40K-T4M- E20WC	120	26	2,701	LED 4,000K	SEE PLANS	OUTLET BOX	EM, FSA
X1	LITHONIA COLUMBIA DAY-BRITE	LQMSW-3-R-ELN	120	FURNISHED BY MANUFACTURER			CEILING OR ABOVE DOOR	OUTLET BOX	EMX
Y2	LITHONIA COLUMBIA DAY-BRITE	DSX1-LED-P8-40K-70CRI-T2M-SPA	120-240	216	27,709	LED 4,000K	MOUNT TO 30" SQUARE, STRAIGHT STEEL POLE - SEE DETAIL "E-LP1"		FSA
Y22	LITHONIA COLUMBIA DAY-BRITE	TWO (2) DSX1-LED-P8-40K-70CRI- T2M-SPA	120-240	2x216	27,709	LED 4,000K	MOUNT TO 30" SQUARE, STRAIGHT STEEL POLE - SEE DETAIL "E-LP1"		FSA
Y5	LITHONIA COLUMBIA DAY-BRITE	DSX1-LED-P5-40K-70CRI-T5M-SPA	120-240	138	18,410	LED 4,000K	MOUNT TO 20" SQUARE, STRAIGHT STEEL POLE - SEE DETAIL "E-LP1"		FSA

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:	
1.	ALL LAMP'S SHALL BE 4000K WITH A MINIMUM CRI OF 80 UNLESS NOTED OTHERWISE.
2.	CONTRACTOR SHALL COORDINATE ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) PRIOR TO ORDERING FIXTURES.
3.	ALL FIXTURES AND BALLASTS/DRIVERS SHALL BE RATED FOR OPERATION IN AMBIENT TEMPERATURES UP TO 55 DEGREES CELSIUS.
4.	TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER'S REPRESENTATIVES AND DISTRIBUTORS LOCATED WITHIN SIXTY (60) MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON-COMPLIANCE WITH THIS REQUIREMENT.
LIGHTING FIXTURE SCHEDULE KEYED NOTES:	
EM	EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 500 LUMENS.
EMX	EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 90 MINUTES OF OPERATION.
FSA	PROVIDE FINISH AS SELECTED BY ARCHITECT.
UC	FIELD-COORDINATE EXACT LOCATIONS WITH CABINETRY TO COORDINATE WITH UNDERCABINET MOUNTING STRUCTURE AND TO PROVIDE UNIFORM UNDERCABINET LIGHTING LEVELS

NORMAL		EMERGENCY		
		FIXTURE OUTLET - RECESSED LIGHT FIXTURE.		
		FIXTURE OUTLET - LINEAR - SURFACE OR PENDANT MOUNTED LIGHT FIXTURE.		
		FIXTURE OUTLET - LINEAR - RECESSED LIGHT FIXTURE.		
		FIXTURE OUTLET - WALL MOUNTED LIGHT FIXTURE.		
		FIXTURE OUTLET - POLE LIGHT FIXTURE - QUANTITY AND ORIENTATION(S) OF LUMINAIRES AS INDICATED ON PLANS.		
		OR		FIXTURE OUTLET - EXIT SIGN - CEILING OR WALL MOUNTED AS INDICATED - QUANTITY AND ORIENTATION OF FACES AND DIRECTIONAL ARROWS AS INDICATED.
FIXTURE OUTLET DESIGNATIONS:				
A	FIXTURE TYPE "A" - MAY BE USED WITH OTHER TYPES.			
b	SWITCH LEG TO WHICH FIXTURE IS CONNECTED - MAY BE USED WITH OTHER LOWER-CASE LETTERS.			
2	CIRCUIT NUMBER - MAY BE USED WITH OTHER NUMBERS.			
NL	NIGHT LIGHT - DO NOT SWITCH.			
SL	SECURITY LIGHT - DUSK-TO-DAWN OPERATION.			
\$D	LIGHTING CONTROL SYSTEM - SWITCH OUTLET - LOW VOLTAGE - DIGITAL - BUTTONS AS REQUIRED FOR INDEPENDENT DIMMING AND ON/OFF CONTROL OF EACH ZONE IN SPACE - CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E-RC".			
\$L	LIGHTING CONTROL SYSTEM - SWITCH OUTLET - LOW VOLTAGE - DIGITAL - BUTTONS AS REQUIRED FOR INDEPENDENT ON/OFF CONTROL OF EACH ZONE IN SPACE - CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E-RC".			
\$O	SWITCH OUTLET - OCCUPANCY SENSOR WITH MANUAL OVERRIDE - S.P.S.T. - 120-277VAC - DUAL TECHNOLOGY (P.I.R. AND ULTRASONIC) - WATTSTOPPER OR EQUAL - RATED 800W AT 120VAC AND 1200W AT 277VAC - GREY WITH STAINLESS STEEL COVERPLATE.			
\$OD	SWITCH OUTLET - OCCUPANCY SENSOR WITH MANUAL OVERRIDE AND 0-10 VOLT DIMMING CONTROL - S.P.S.T. - 120-277VAC - DUAL TECHNOLOGY SENSOR - WATTSTOPPER DW-311 OR EQUAL - RATED 800W AT 120VAC AND 1200W AT 277VAC - GREY WITH STAINLESS STEEL COVERPLATE - PROVIDE 0-10 VOLT DIMMING CABLING AS REQUIRED TO ASSOCIATED FIXTURE FOR DIMMING CONTROL - VERIFY DIMMER IS COMPATIBLE WITH FIXTURE FOR FLICKER-FREE DIMMING PRIOR TO ORDERING.			
\$X	SWITCH OUTLET - MANUAL MOTOR STARTER - TOGGLE TYPE - 2 POLE - SQUARE "D" TYPE K01 WITH ENCLOSURE AS REQUIRED BY APPLICATION - PROVIDE LOCK-OFF HARDWARE.			
\$3X	SWITCH OUTLET - MANUAL MOTOR STARTER - TOGGLE TYPE - 3 POLE - SQUARE "D" TYPE K02 WITH ENCLOSURE AS REQUIRED BY APPLICATION - PROVIDE LOCK-OFF HARDWARE.			
	PHOTOELECTRIC CONTROL - S.P.S.T. - 120VAC OR 277VAC - 2000W - TORK 2101 FOR 120V CIRCUITS & TORK 2104 FOR 277V CIRCUITS - MOUNT UNDER SOFFIT OR ON ROOF FACING NORTH.			
	OR		LIGHTING CONTROL SYSTEM - OCCUPANCY SENSOR - CEILING OR WALL MOUNTED AS INDICATED - EXACT MOUNTING PROVISIONS, SENSOR TYPE AND LOCATION SHALL BE AS DIRECTED BY SUPPLIER FOR PROPER COVERAGE - DIGITAL - DUAL TECHNOLOGY (P.I.R. AND ULTRASONIC) - WATTSTOPPER LMDX-100 (CENTER OF CEILING MOUNT) OR LMDX-100 (WALL OR CEILING CORNER MOUNT) - CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E-RC".	
	LIGHTING CONTROL SYSTEM - ON/OFF ROOM CONTROLLER(S) - LOW VOLTAGE - WATTSTOPPER LMRC-102 - MOUNT AS DIRECTED BY SUPPLIER ABOVE ACCESSIBLE CEILING - PROVIDE ALL INTERCONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO SENSORS, CONTROL SWITCHES, LIGHT FIXTURES, ETC. TO CONTROL LOCAL LIGHTING AS DIRECTED BY SUPPLIER - SEE DETAIL "E-RC".			
	LIGHTING CONTROL SYSTEM - DIMMING ROOM CONTROLLER(S) - LOW VOLTAGE - ACUTY N-LIGHT OR EQUAL - MOUNT AS DIRECTED BY SUPPLIER ABOVE ACCESSIBLE CEILING - PROVIDE ALL INTERCONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO SENSORS, CONTROL SWITCHES, LIGHT FIXTURES, ETC. TO CONTROL LOCAL LIGHTING AS DIRECTED BY SUPPLIER - WHERE LIGHTING LOADS REQUIRE LINE-VOLTAGE DIMMING, FURNISH PHASE DIMMING CONTROLLER(S) AS REQUIRED TO BE COMPATIBLE WITH LOAD TYPE - SEE DETAIL "E-RC".			
	LIGHTING CONTACTOR - 30A - 120V COIL VOLTAGE - FOUR (4) POLE - ELECTRICALLY HELD - MOUNTED WITHIN NEMA ENCLOSURE WITHIN OVERALL NEMA 3R ENCLOSURE WITH OTHER LIGHTING CONTROLS.			
DUPLEX		DOUBLE DUPLEX		
		WALL OUTLET - RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - NEMA 5-20R - SINGLE PLATE.		
		WALL OUTLET - RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - "GFI" TYPE - WEATHER RESISTANT - NEMA 5-20R - SINGLE PLATE.		
	WALL OUTLET - SINGLE RECEPTACLE - 50A - 125/250V - 1Ø - 3P - 4W - GROUNDING - NEMA 14-50R.			
	COMMUNICATIONS OUTLET - SEE DETAIL "E-CO" - "V-D" REPRESENTS REQUIRED COMMUNICATIONS JACK CONFIGURATIONS.			
	WIRELESS ACCESS POINT - ABOVE CEILING OR AT EXPOSED OVERHEAD STRUCTURE - TERMINATE IN SURFACE MOUNT OUTLET ABOVE ACCESSIBLE CEILING OR AT EXPOSED OVERHEAD STRUCTURE - WITH DATA CABLE(S) (AS INDICATED BY "D" DESIGNATION PER COMMUNICATIONS OUTLET LEGEND AT DETAIL "E-CO") - LEAVE 10'-0" SERVICE LOOP ABOVE CEILING AT LOCATION OF ACCESS POINT.			
	TELEPHONE BACKBOARD - 8" H x 34" THICK x LENGTH AS SHOWN ON PLANS - COMPLETE WITH NO. 6 GROUND WIRE IN 1/2 INCH CONDUIT TO FACILITY GROUND SYSTEM AND TO 12" W x 1/4" THICK GROUND BUS WITH ISOLATED MOUNTING BOLTS - FINISH WITH TWO (2) COATS FIRE-RETARDANT ENAMEL PAINT - PAINT COLOR TO MATCH SURROUNDING WALLS.			
OUTLET INSTALLATION DESIGNATIONS (APPLY TO ALL OUTLETS, DEVICES & EQUIPMENT):				
A	ABOVE COUNTER - OUTLET SHALL BE MOUNTED 6 INCHES ABOVE DESK/COUNTERTOP, OR 4 INCHES ABOVE COUNTERTOP BACKSPASH AS REQUIRED BY CONDITION, OR 48" A.F.F. OR AS NOTED.			
VL	VERIFY EXACT OUTLET LOCATION WITH OWNER PRIOR TO ROUGH-IN.			
W	WEATHER PROOF - OUTLET SHALL BE INSTALLED WITH WEATHERPROOF, IN-USE, CAST COVER.			
EQUIPMENT OUTLET DESIGNATIONS (APPLY TO ALL OUTLETS, DEVICES & EQUIPMENT):				
DF	DRINKING FOUNTAIN OUTLET - EXACT MOUNTING HEIGHT AS DIRECTED BY EQUIPMENT SUPPLIER - LOCATE IN ADJACENT CABINET UNDER SINK - PROVIDE GROMMET IN SIDE CABINET FOR CABLE PASS-THRU.			
HD	VENTILATION HOOD OUTLET.			
RF	REFRIGERATOR/FREEZER OUTLET - MOUNT AT 36" A.F.F. UNLESS DIRECTED OTHERWISE BY EQUIPMENT SUPPLIER.			
RG	RANGE OUTLET.			
	FLOOR OR SURFACE-MOUNTED OUTLET - JUNCTION BOX - CAST METAL - CROUSE HINDS TYPE FS/FD BOX.			
	CEILING OUTLET - JUNCTION BOX.			
	WALL OUTLET - JUNCTION BOX - FLUSH MOUNTED.			

	BRANCH/FEEDER CIRCUIT - CONCEALED IN WALLS OR CEILING.		
	BRANCH/FEEDER CIRCUIT - EXPOSED ON WALLS OR CEILING.		
	BRANCH/FEEDER CIRCUIT - CONCEALED IN FLOOR SLAB OR DIRT FILL.		
	BRANCH/FEEDER CIRCUIT - OVERHEAD BETWEEN POLES.		
	BRANCH/FEEDER CIRCUIT - HOMERUN - CAN BE USED WITH OTHER BRANCH/FEEDER TYPES.		
BRANCH/FEEDER CIRCUIT MODIFIERS:			
	: 2#12 & 1#12G UNLESS NOTED OTHERWISE.		
	: 3#12 & 1#12G, ETC. UNLESS NOTED OTHERWISE (TICK MARKS INDICATE CONDUCTOR QUANTITY NOT INCLUDING GROUND WIRE).		
	: 2#10 & 1#10G UNLESS NOTED OTHERWISE (NUMBER INDICATES WIRE AWG).		
SIZE CONDUIT PER N.E.C. UNLESS INDICATED OTHERWISE.			
	OVERHEAD PRIMARY POWER SERVICE CABLING (WITH TELECOMMUNICATIONS CABLING WHERE APPLICABLE).		
	OVERHEAD SECONDARY POWER SERVICE CABLING (WITH TELECOMMUNICATIONS CABLING WHERE APPLICABLE).		
	UNDERGROUND SECONDARY POWER SERVICE - SEE ASSOCIATED SINGLE LINE DIAGRAM - VERIFY EXACT SERVICE TRANSFORMER LOCATION(S) WITH UTILITY CO. PRIOR TO BID AND INCLUDE ALL COSTS IN BID.		
	DISCONNECT SWITCH - NONFUSED.		
	DISCONNECT SWITCH - FUSED.		
	ENCLOSED CIRCUIT BREAKER.		
	DISCONNECT SWITCH - INTEGRAL TO EQUIPMENT.		
	GROUND CONNECTION.		
	MOTOR OUTLET - SIZE AS SHOWN.		
	TIME SWITCH - 120VAC - FURNISHED BY PLUMBING CONTRACTOR - ELECTRICAL CONTRACTOR SHALL PROVIDE 120VAC POWER AND SHALL CONNECT TO WATER HEATER CIRCULATION PUMP FOR OFF-HOURS SHUTOFF AS DIRECTED BY PLUMBING CONTRACTOR.		
	ACCESS-CONTROLLED DOOR (WITH ELECTRONIC LOCK) - SEE DETAIL "E-AC".		
	ACCESS CONTROL SYSTEM - DOOR POWER SUPPLIES/CONTROLLERS.		
	ACCESS CONTROL SYSTEM - CARD READER AND ASSOCIATED ACCESS CONTROLLED DOOR - CONTRACTOR SHALL PROVIDE 3/4" CONDUIT FROM CARD READER, DOOR FRAME AND ELECTRIC LOCK TO ABOVE CEILING - SEE DETAIL "E-AC" - VERIFY LOCATIONS AND ALL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.		
	CCTV SURVEILLANCE SYSTEM - CEILING OR WALL-MOUNT AS INDICATED - IP (DIGITAL) CAMERA (O.F.O.I.) - THIS CONTRACTOR SHALL PROVIDE ONE (1) CAT6 CABLE IN 1" TO LOCAL NVR/DVR - TERMINATE ON BOTH ENDS - SEE DETAIL "E-SCH" - VERIFY MOUNTING HEIGHT WITH OWNER PRIOR TO ROUGH-IN.		
	GENERATOR REMOTE ANNUNCIATOR PANEL - FLUSH MOUNTED UNLESS INDICATED OTHERWISE.		
GENERAL ABBREVIATIONS:			
EX	EXISTING TO REMAIN.		
XR	EXISTING TO BE REMOVED - REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT AND WIRING CONNECTIONS TO OTHER ELECTRICAL ITEMS UNLESS SHOWN OTHERWISE.		
XRL	EXISTING TO BE RELOCATED - REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT AND WIRING AT EXISTING LOCATION. RELOCATE ITEM TO NEW LOCATION SHOWN ON ELECTRICAL PLANS. EXTEND AND RECONNECT EXISTING CONDUIT, WIRING, ETC. TO NEW LOCATION AS REQUIRED UNLESS SHOWN OTHERWISE.		
XRP	EXISTING TO BE REPLACED - EXTEND AND RECONNECT EXISTING CONDUIT AND WIRING TO REPLACED ITEM.		
ELECTRICAL ABBREVIATIONS:			
A	AMPERES.	NSV	NEW, SPARE OR VACATED.
AIC	AMPERES INTERRUPTING CAPACITY.	OC	ON CENTER.
AFF	ABOVE FINISHED FLOOR.	P	POLES.
AL	ALUMINUM.	PF	POWER FACTOR.
ATS	AUTOMATIC TRANSFER SWITCH.	Ø	PHASE.
AWG	AMERICAN WIRE GAUGE.	PVC	POLYVINYL CHLORIDE.
C	CONDUIT.		
CU	COPPER.	SLD	SINGLE LINE DIAGRAM.
EC	EMPTY CONDUIT, OR ELECTRICAL CONTRACTOR	SS	STAINLESS STEEL.
FPN	FUSE PER NAMEPLATE.	UL	UNDERWRITERS LABORATORY.
G	GROUND CONDUCTOR.	UNO	UNLESS NOTED OTHERWISE.
KVA	KILOVOLT-AMPERES.	V	VOLTS.
KW	KILOWATT.	W	WIRES.
LV	LOW VOLTAGE.		
MCM	THOUSAND CIRCULAR MILS.	CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
MV	MEDIUM VOLTAGE.	CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED.
N	NEUTRAL.	OFOI	OWNER FURNISHED, OWNER INSTALLED.
NEC	NATIONAL ELECTRICAL CODE.	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED.
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION.		
NIC	NOT IN CONTRACT.		
TYPICAL CIRCUITRY DESIGNATIONS:			
			

REVISIONS

BY

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Stephen Coker Architect LLC

ALABAMA

PROFESSIONAL

ENGINEER

DAVID ARENDALL, PE

8-11-2024

Not Valid for Construction

without Registration Seal

Scale House Project

Shelby County Landfill

AL Highway 70

Shelby County, AL

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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 07-19-2024

DRAWN BY AMF

PROJECT NO 260314

ELECTRICAL

LEGEND,

NOTES AND

FIXTURE

SCHEDULE

SHEET NO

E1

1 OF 10 SHEETS

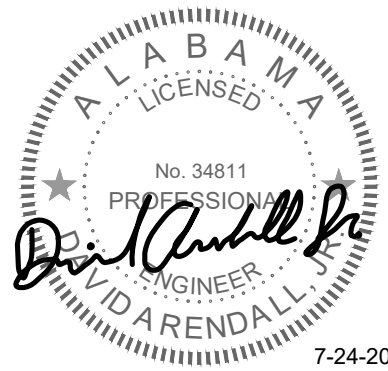


JACKSON,
RENFRO
& ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
11 INVERNESS CENTER PARK • SUITE 300 • BIRMINGHAM, AL • 35242

DAVID ARENDALL, PE
david@jraee.com
(205) 536-7117
(P) 205-995-1078
JRA JOB NO. 223262
ELECTRICAL ENGINEERING & DESIGN

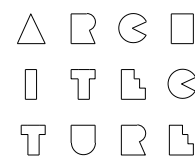
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Not Valid for Construction
without Registration Seal

Scale House Project
Shelby County Landfill
AL Highway 70
Shelby County, AL



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail
steve@cokerarch.com

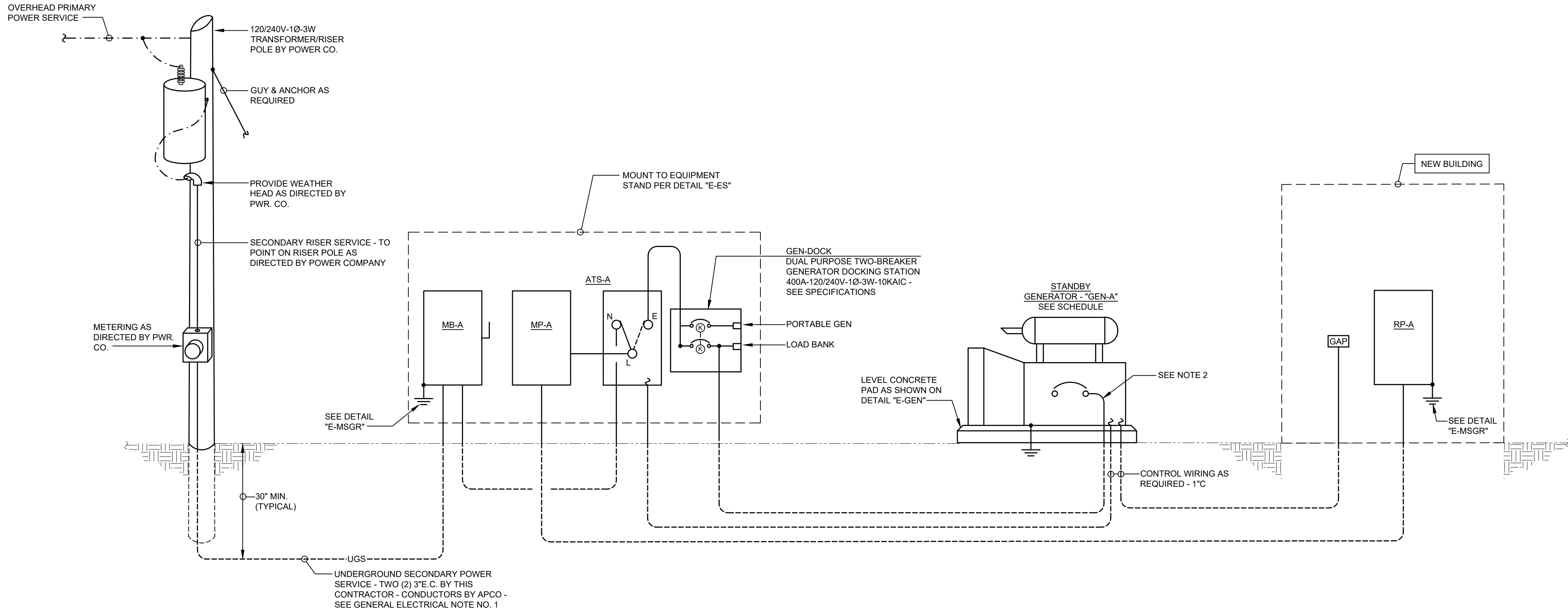
DRAWING DATE	07-19-2024
DRAWN BY	AMF
PROJECT NO.	260314

ELECTRICAL
DETAILS
AND
DIAGRAMS

SHEET NO

E2

2 OF 10 SHEETS

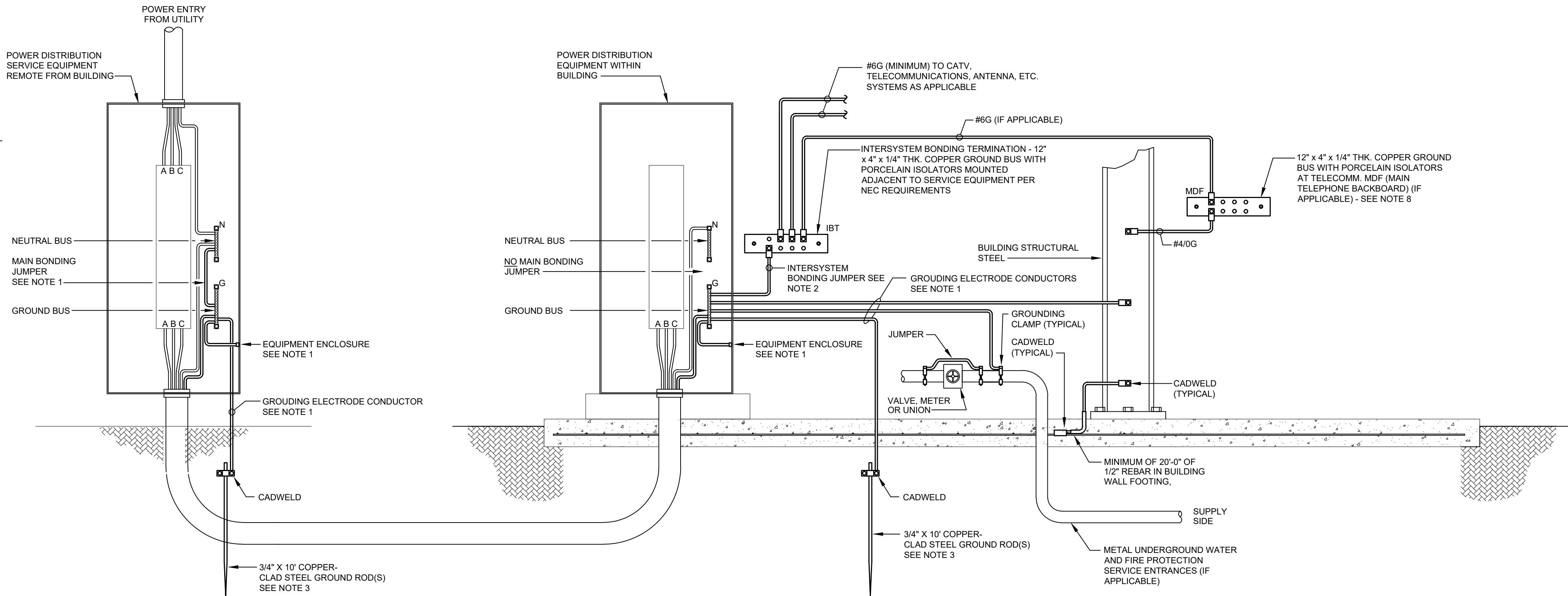


SINGLE LINE DIAGRAM

SCALE : NONE

DIAGRAM NOTES

- REFER TO PANELBOARD SCHEDULES FOR ALL APPLICABLE FEEDER SIZES, BREAKER RATINGS, BUS RATINGS, GENERATOR RATINGS, ETC. NOT SHOWN ON THIS DIAGRAM.
- NEUTRAL-GROUND BONDS SHALL ONLY BE MADE AT THE FOLLOWING LOCATIONS:
A. MAIN BREAKER AT MB-A.



DETAIL "E-MSGR" MAIN SERVICE GROUNDING - REMOTE BUILDING

SCALE : NONE

DETAIL NOTES

- ALL GROUNDING ELECTRODE CONDUCTORS AND MAIN BONDING JUMPERS SHALL BE INSULATED COPPER, SIZED IN ACCORDANCE WITH NEC TABLE 250.66 UNLESS NOTED OTHERWISE.
- THE INTERSYSTEM BONDING JUMPER SHALL BE INSULATED COPPER, SIZED TO MATCH THE GROUNDING ELECTRODE CONDUCTOR OR #6AWG, WHICHEVER IS GREATER.
- ADDITIONAL GROUND RODS SHALL BE INSTALLED A MINIMUM OF SIX (6) FEET APART AND CONNECTED BY GROUNDING ELECTRODE CONDUCTORS UNTIL THE GROUND RESISTANCE DOES NOT EXCEED FIVE (5) OHMS.
- ALL GROUNDING CONDUCTORS SHALL BE INSTALLED IN CONDUIT (TYPE PER SPECIFICATION REQUIREMENTS) UNLESS SPECIFICALLY NOTED OTHERWISE. METAL CONDUITS SHALL BE GROUNDED PER NEC REQUIREMENTS.
- REFER TO "GROUNDING" SPECIFICATIONS SECTION FOR ADDITIONAL GROUNDING REQUIREMENTS.

NAME:	MB-A
RATING:	400A-120/240V-1Ø-3W
FED FROM:	UTILITY
AVAILABLE FAULT CURRENT:	9.872A (10/12/2020)

VERIFY ACTUAL AVAILABLE FAULT CURRENT
WITH POWER SYSTEM STUDY

AMPACITY SHALL BE BASED ON
MAIN BREAKER OR FEEDER
BREAKER, NOT BUS RATING

POWER SERVICE EQUIPMENT

NAME:	MP-A
RATING:	400A-120/240V-1Ø-3W
FED FROM:	ATS-A (EQUIPMENT STAND)

POWER DISTRIBUTION EQUIPMENT

DETAIL "E-EDL" ELECTRICAL DISTRIBUTION EQUIPMENT LABEL

SCALE : NONE

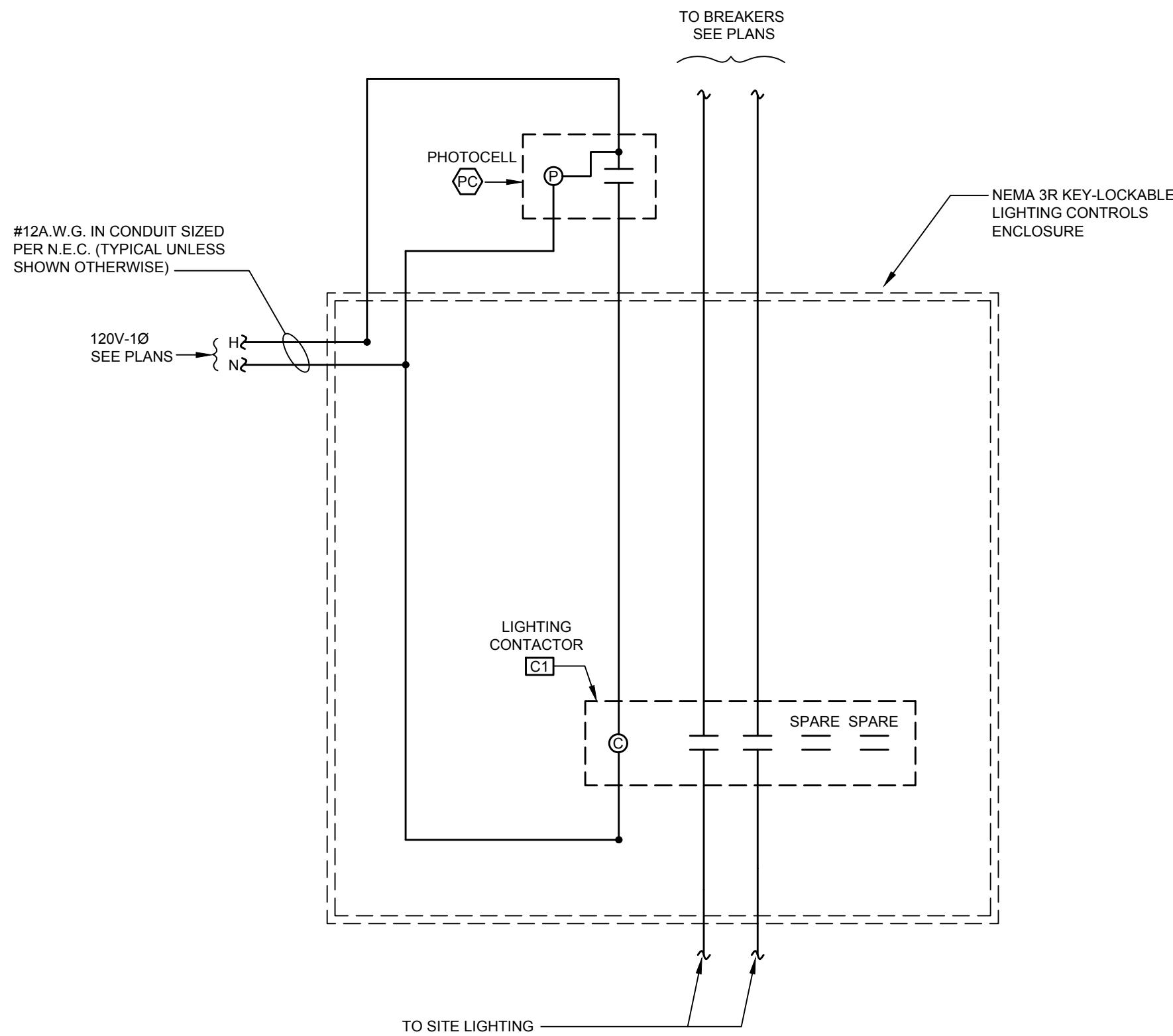
DETAIL NOTES

- PANEL NAMES & RATINGS LISTED ABOVE ARE FOR EXAMPLE PURPOSES ONLY. NAMES & RATINGS SHALL BE ADJUSTED TO MATCH ASSOCIATED EQUIPMENT.
- THE INTENT OF THIS DETAIL IS TO DEMONSTRATE GENERAL ELECTRICAL IDENTIFICATION REQUIREMENTS FOR ELECTRICAL DISTRIBUTION AND UTILIZATION EQUIPMENT. REFER TO SPECIFICATIONS FOR SPECIFIC REQUIREMENTS REGARDING LOCATIONS, CONTENT, MATERIALS, ETC..



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& ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
11 INVERNESS CENTER PKWY • SUITE 300 • BIRMINGHAM, AL • 35242

DAVID ARENDALL, PE
david@jraee.com
(205) 536-7117
(205) 995-1078
JRA JOB NO. 223262
ELECTRICAL ENGINEERING & DESIGN



DETAIL "E-LC"
LIGHTING CONTRACTOR
WIRING DIAGRAM
SCALE : NONE

PANELBOARD SCHEDULE - MP-A										
PANEL TYPE:		SQUARE 'D' TYPE NQ			AIC RATING:		42KAIC (MINIMUM)			
VOLTAGE:		120/240V-1P-3W			MOUNTING:		SURFACE			
AMPS & TYPE:		400 AMP - MLO			LOCATION:		EQUIPMENT STAND GENERATOR YARD			
FED FROM:		ATS-A			FEEDER:		SEE AUTOMATIC TRANSFER SWITCH SCHEDULE - ATS-A			
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/2	POLE LIGHTING	1,200	A	-	-	20/1	-	16
2	-	I	I	1,200	B	-	-	20/1	-	17
3	-	20/1	EQUIPMENT STAND RECEP	200	A	-	-	20/1	-	18
4	-	20/1	GENERATOR HEATER	1,500	B	-	-	20/1	-	19
5	-	20/1	GENERATOR BATTERY	500	A	-	-	20/1	-	20
6	-	20/1	LIGHTING CONTROLS	100	B	-	-	20/1	-	21
7	-	20/1	GENERATOR DOCKING STATION	1,500	A	-	-	20/1	-	22
8	-	20/1	SPARE		B	-	-	20/1	-	23
9	-	20/1	SPARE		A	-	-	20/1	-	24
10	-	20/1	SPARE		B	-	-	20/1	-	25
11	-	20/1	SPARE		A	-	-	20/1	-	26
12	-	20/1	-		B	-	-	20/1	-	27
13	-	20/1	-		A	-	-	20/1	-	28
14	-	20/1	-		B	21,628	RP-A	225/2	2	29
15	-	20/1	-		A	21,628	3#4/0 & 1#4G - 2 1/2" C	I	I	30
NOTES:				PH. A:	PH. B:	TOTAL CONNECTED LOAD:				
1. ENCLOSURE SHALL BE NEMA 3R.				25,028	24,428	214.3 KVA				
2. SUB-FEED MOUNT BREAKER.				TOTAL DEMAND LOAD:					46.2 KVA	
									200.8 AMPS	
				TOTAL COMPUTED LOAD:					50.4 KVA	
									219.3 AMPS	

PANELBOARD/EQUIPMENT SCHEDULE(S) KEYED NOTES LEGEND	
KEYED NOTE	DESCRIPTION
GFI	INDICATED BREAKER SHALL BE GFI-TYPE (5mA TRIP).
VC	CONTRACTOR SHALL VERIFY REQUIRED BREAKER & CIRCUITRY REQUIREMENTS OF INDICATED CIRCUIT WITH EQUIPMENT SUPPLIER PRIOR TO SUBMITTING SHOP DRAWINGS OR ROUGHING IN CONDUITS.

GENERATOR SCHEDULE - GEN-A										
KW RATING: 80KW (MINIMUM)					SKVA RATING (AT 35%V. DIP):					
VOLTAGE: 120/240V-1P-3W					SOUND ATTENUATION: CRITICAL SILENCER					
FUEL TYPE: DIESEL					LOCATION:			EXTERIOR		
CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	BKR SIZE	SWITCH SIZE		WIRE AND COND. SIZE
								SWITCH AMPS	F-TRON AMPS	
1	ATS-A (E)	120/240	1		50.4		400/2			2 SETS OF 3#3/0 & 1#3G - 2" C
TOTAL CONNECTED LOAD:						49.3 KVA	NOTES: 1. PROVIDE WITH WEATHERPROOF ENCLOSURE. 2. PROVIDE WITH SUB-BASE TANK SIZED FOR MINIMUM 24 HOUR RUN TIME.			
						214.3 AMPS				
TOTAL DEMAND LOAD:						46.2 KVA				
						200.8 AMPS				
TOTAL COMPUTED LOAD:						50.4 KVA				
						219.3 AMPS				

AUTOMATIC TRANSFER SWITCH SCHEDULE - ATS-A										
KAIC / WCR RATING: 42KAIC (MINIMUM) - NOTE 3				NORMAL FED FROM: MB-A						
VOLTAGE: 120/240V-1P-3W				NORMAL FEEDER: SEE EQUIPMENT SCHEDULE - MB-A						
AMP RATING: 400 AMP				EMERGENCY FED FROM: GEN-A						
LOCATION: EQUIPMENT STAND GENERATOR YARD				EMERGENCY FEEDER: SEE GENERATOR SCHEDULE - GEN-A						
LOAD SIDE FEEDER DESCRIPTION			VOLTS	P	HP	KW OR KVA	AMPS	WIRE AND COND. SIZE		
MP-A			120/240	1	50.4		2 SETS OF 3#3/0 & 1#3G - 2" C			
			EMERGENCY				NORMAL		NOTES: 1. ENCLOSURE SHALL BE NEMA 3R. 2. ATS SHALL BE 2-POLE, OPEN TRANSITION TYPE. 3. COORDINATE SPECIFIC BREAKER RATING REQUIREMENTS WITH NORMAL AND EMERGENCY BREAKER.	
			49.3 KVA		TOTAL CONNECTED LOAD:		49.3 KVA			
			214.3 AMPS				214.3 AMPS			
			46.2 KVA		TOTAL DEMAND LOAD:		46.2 KVA			
			200.8 AMPS				200.8 AMPS			
			50.4 KVA		TOTAL COMPUTED LOAD:		50.4 KVA			
			219.3 AMPS				219.3 AMPS			

EQUIPMENT SCHEDULE - MB-A										
EQUIPMENT TYPE: SQUARE 'D' ENCLOSED BREAKER						AIC RATING: 42KAIC (MINIMUM)				
VOLTAGE: 120/240V-1P-3W						MOUNTING: SURFACE				
AMPS & TYPE: 400/2 MAIN BKR						LOCATION: EQUIPMENT STAND GENERATOR YARD				
FED FROM: UTILITY						FEEDER: SEE SINGLE LINE DIAGRAM				
CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	BKR SIZE	LOCAL SAFETY SW. RATING	WIRE AND COND. SIZE	REMARKS
1	ATS-A (N)	120/240	1		50.4		400/2	-	2 SETS OF 3#3/0 & 1#3G - 2" C	
		TOTAL CONNECTED LOAD:		49.3 KVA		NOTES: 1. ENCLOSURE SHALL BE NEMA 3R. 2. EQUIPMENT SHALL BE SERVICE-ENTRANCE RATED.				
		TOTAL DEMAND LOAD:		46.2 KVA						
		TOTAL COMPUTED LOAD:		50.4 KVA						
				219.3 AMPS						

PANELBOARD SCHEDULE - RP-A										
PANEL TYPE: SQUARE 'D' TYPE NQ				AIC RATING: 22KAIC (MINIMUM)						
VOLTAGE: 120/240V-1P-3W				MOUNTING: FLUSH MOUNT						
AMPS & TYPE: 225/2 MAIN BKR				LOCATION: SEE PLANS						
FED FROM: MP-A				FEEDER: SEE PANELBOARD SCHEDULE - MP-A						
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	OFFICE 101 RECEPS	1,000	A	1,000	BREAK ROOM GEN. CONV. RECEPS	20/1	-	22
2	-	20/1	TBB RECEP	400	B	5,022	AHU-1	50/2	-	23
3	-	20/1	TBB RECEPS	400	A	5,022	I	I	-	24
4	-	20/1	WORK AREA 102 RECEPS	800	B	400	BIPOLAR IONIZATION	20/1	-	25
5	-	20/1	WORK AREA 102 RECEPS	800	A		SPARE	20/1	-	26
6	-	25/2	WATER HEATER	2,250	B	45	AHU-2	15/2	-	27
7	-	I	I	2,250	A	45	I	I	-	28
8	-	20/1	ACCESS CONTROLS	200	B	200	EXTERIOR LIGHTING	20/1	-	29
9	GFI	20/1	REFRIGERATOR	1,200	A		SPARE	20/1	-	30
10	-	20/1	BREAKROOM COUNTER RECEP	200	B	500	REMOTE SCALE	20/1	-	31
11	GFI/VC	50/2	BREAKROOM RANGE	4,500	A	500	SCALE TRAFFIC CONTROL	20/1	-	32
12	I	I	BREAKROOM RANGE	4,500	B	500	SCALE TRAFFIC CONTROL	20/1	-	33
13	GFI	20/1	BREAKROOM VENTILATION HOOD	200	A		SPARE	20/1	-	34
14	-	20/1	BREAKROOM COUNTER RECEP	200	B		SPARE	20/1	-	35
15	-	20/1	BREAKROOM COUNTER RECEP	200	A		SPARE	20/1	-	36
16	-	20/1	BREAKROOM COUNTER RECEP	200	B		SPARE	20/1	-	37
17	-	15/1	EXHAUST FAN & RCP	850	A	1,000	EW-H-1	15/2	-	38
18	-	20/1	INTERIOR LIGHTING	820	B	1,000	I	I	-	39
19	-	35/2	HP-1	3,143	A		SPARE	20/1	-	40
20	-	I	I	3,143	B		SPARE	20/1	-	41
21	-	20/1	EXTERIOR CONV. RECEPS	600	A		SPARE	20/1	-	42
NOTES:				PH. A:	PH. B:	TOTAL CONNECTED LOAD:				
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.				22,710	20,380	43.1 KVA				
				TOTAL DEMAND LOAD:					187.3 AMPS	
									40.0 KVA	
									173.9 AMPS	
				TOTAL COMPUTED LOAD:					43.3 KVA	
									188.1 AMPS	

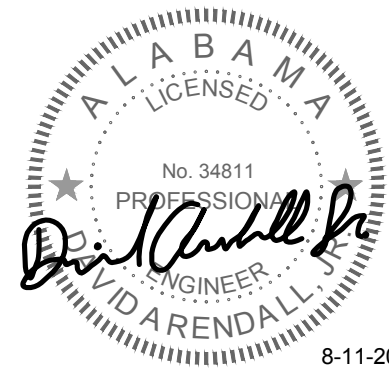


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ELECTRICAL ENGINEERING & DESIGN
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DAVID ARENDALL, PE
david@jraee.com
(205) 336-7117
(205) 395-1078
JRA JOB NO. 223262

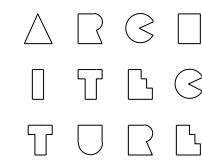
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Scale House Project
Shelby County Landfill
AL Highway 70
Shelby County, AL



Stephen
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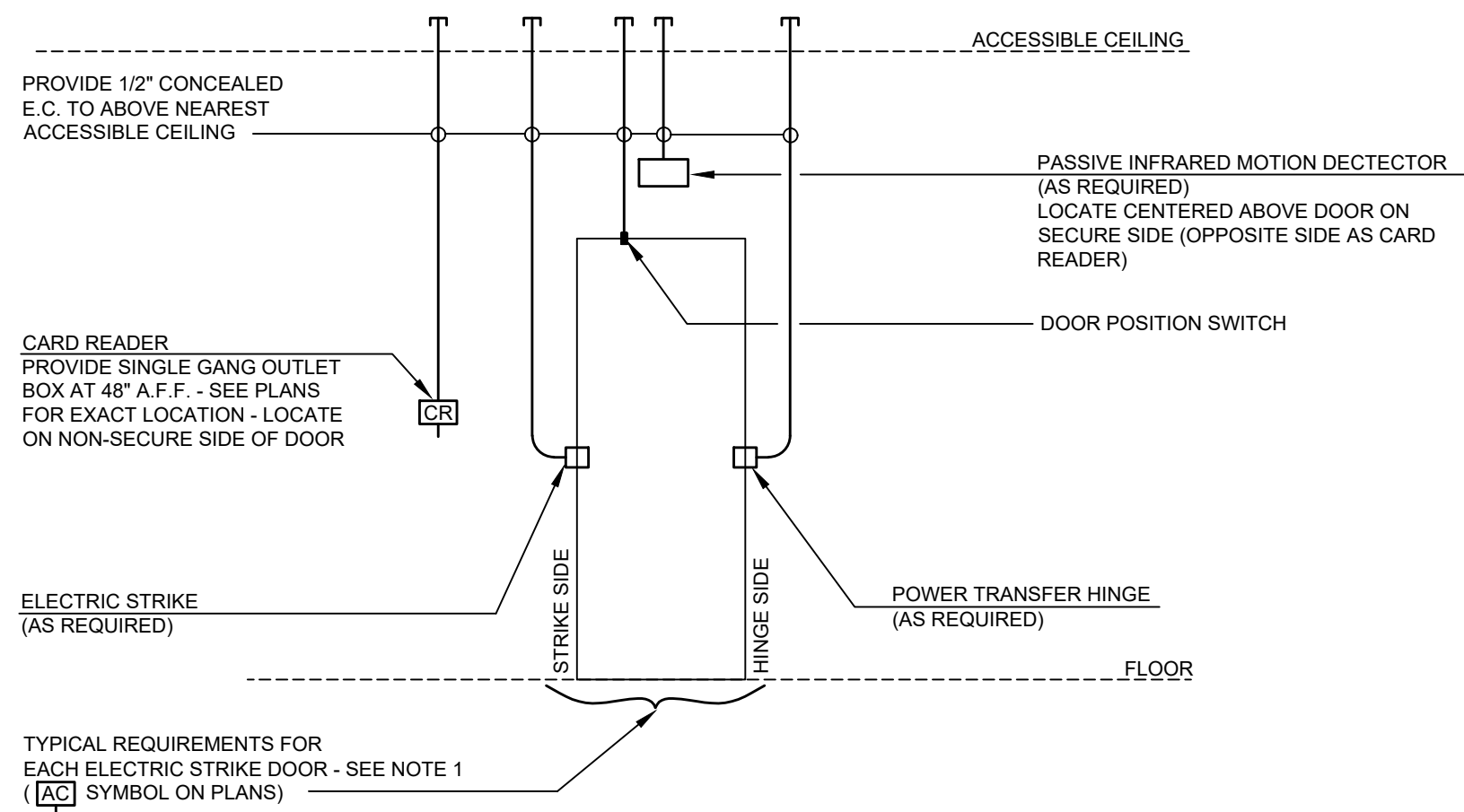
1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail
steve@cokerarch.com

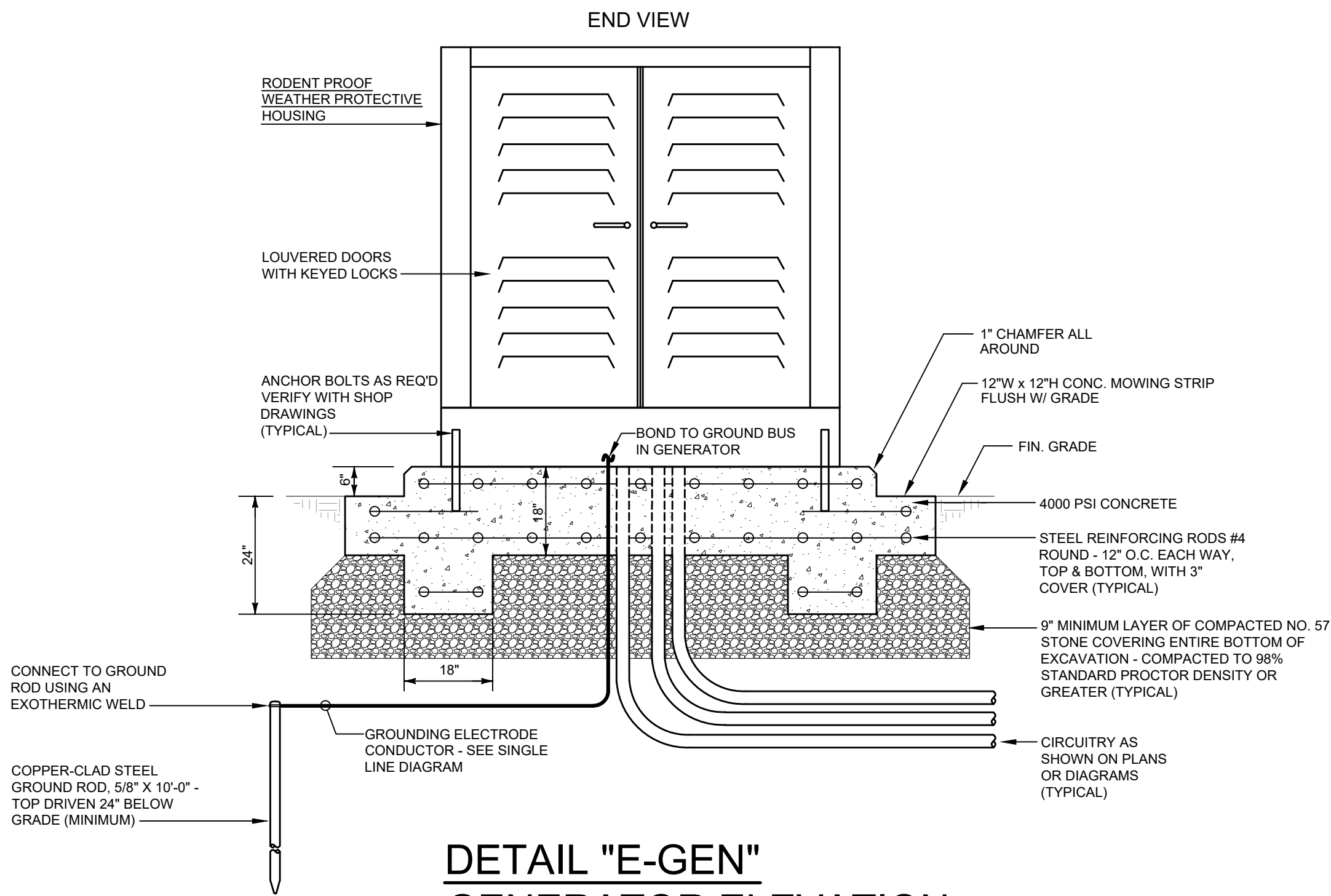
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PROJECT NO.	260314

ELECTRICAL
SCHEDULES



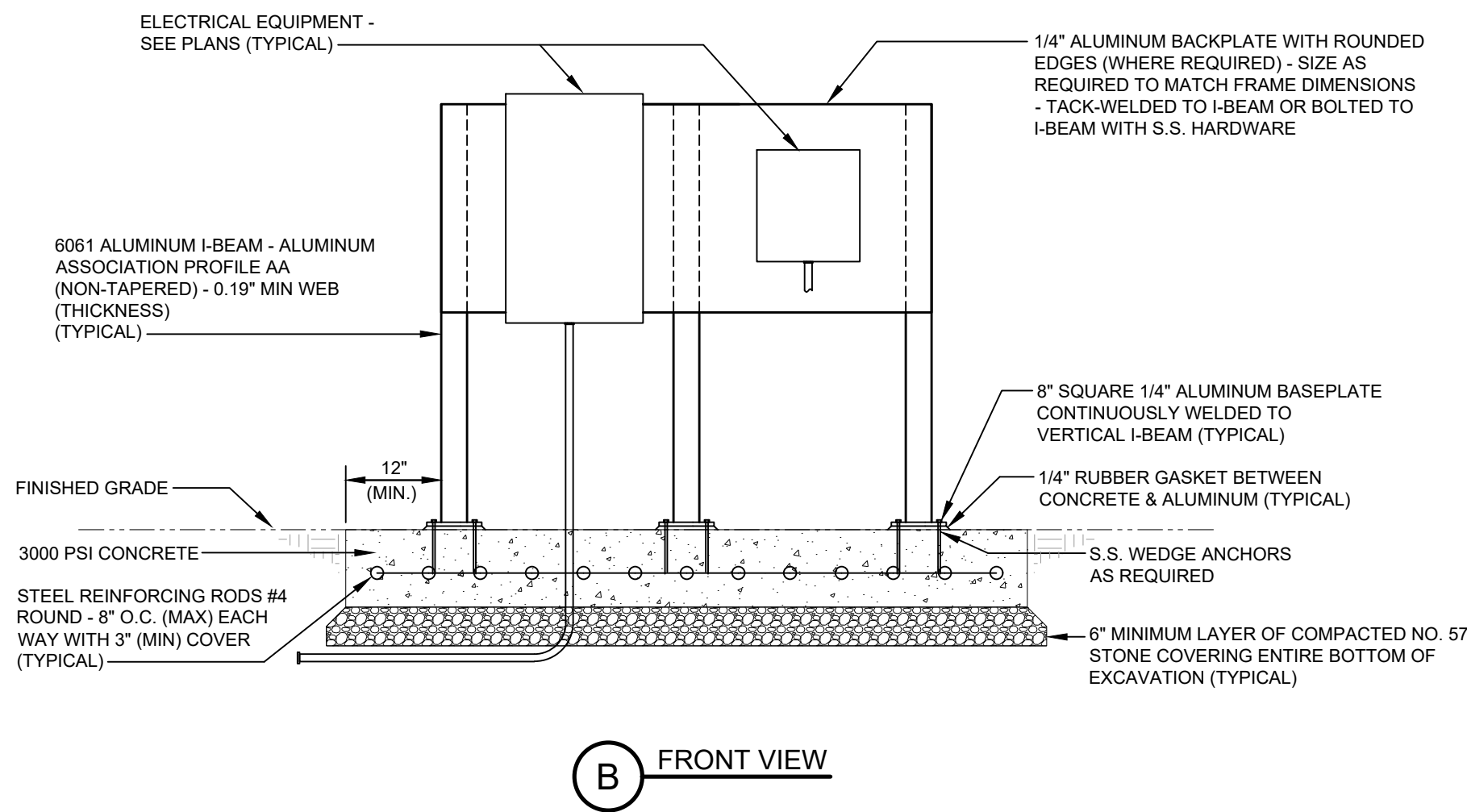
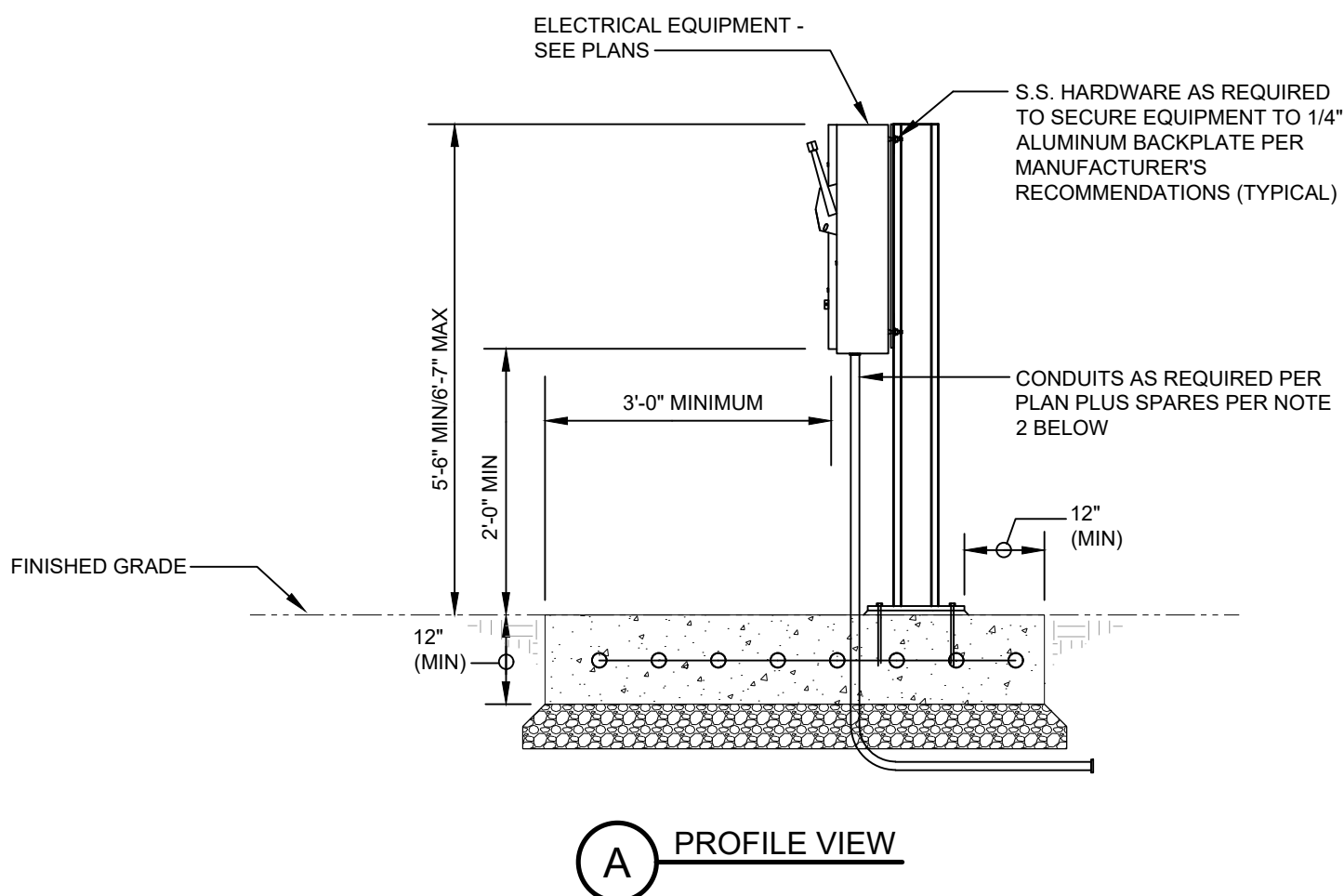
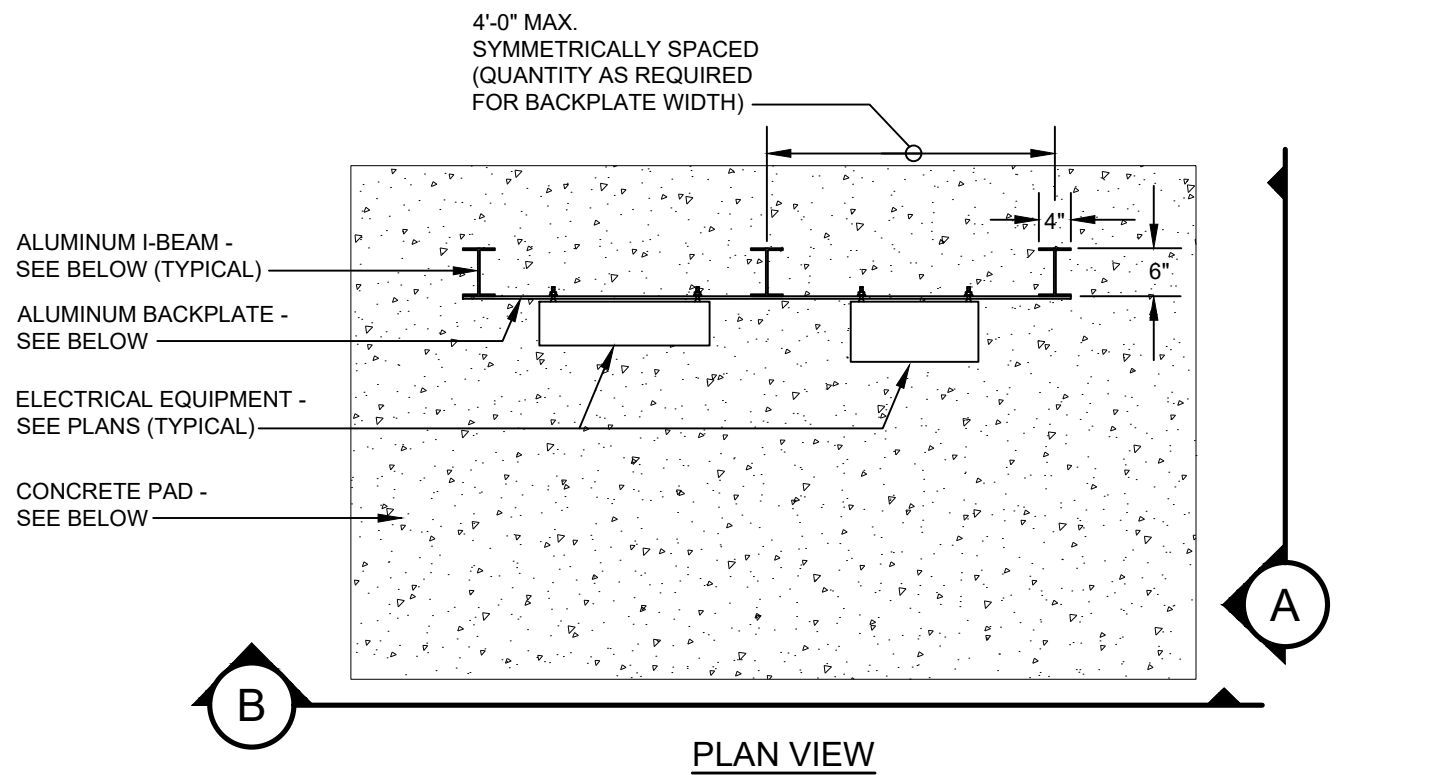
DETAIL "E-AC" - ACCESS CONTROLLED DOOR ELECTRICAL ELEVATION
SCALE : NONE

DIAGRAM NOTES
1. DIAGRAM INDICATES POSSIBLE CONDUIT REQUIREMENTS. NOT ALL CONDUITS/OUTLETS ARE REQUIRED AT EACH DOOR. VERIFY EXACT REQUIREMENTS AND LOCATIONS OF ALL DEVICES WITH DOOR HARDWARE SUPPLIER AND ACCESS CONTROL SYSTEM SUPPLIER PRIOR TO ROUGH-IN.



DETAIL "E-GEN" GENERATOR ELEVATION
SCALE : NONE

DETAIL NOTES
1. ALL DIMENSIONS SHOWN ARE TYPICAL AND MINIMUM. ADDITIONALLY, CONTRACTOR SHALL SIZE CONCRETE PAD SUCH THAT THE TOTAL PAD WEIGHT (AT AN ASSUMED CONCRETE DENSITY OF 150 LBS/CUBIC FOOT) IS A MINIMUM OF 1.5 TIMES THE TOTAL GENERATOR SET WEIGHT (INCLUDING ENCLOSURE(S), ACCESSORIES, FUEL, OIL, ETC.).
2. PROVIDE VIBRATION ISOLATORS, SPRING & PAD TYPE. QUANTITY AS RECOMMENDED BY THE GENERATOR SET MANUFACTURER TO MOUNT GENERATOR SET. ISOLATORS SHALL INCLUDE SEISMIC RESTRAINTS IF REQUIRED BY SITE LOCATION.



DETAIL "E-ES" EQUIPMENT SUPPORT
SCALE : NONE

DETAIL NOTES
1. ALL DIMENSIONS SHOWN ARE TYPICAL.
2. PROVIDE TWO (2) 1" E.C. FROM ALL DISTRIBUTION PANELS, LIGHTING PANELS, PLC'S AND CONTROL PANELS ROUTED BELOW CONCRETE PAD TO NEAREST PULLBOX OR ACCESSIBLE STUB OUT LOCATION (NOT UNDERNEATH CONCRETE/ROCK/STRUCTURE/ETC).

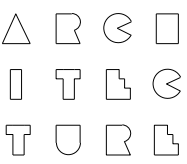
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail
steve@cokerarch.com

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ELECTRICAL
DETAILS
AND
DIAGRAMS

SHEET NO

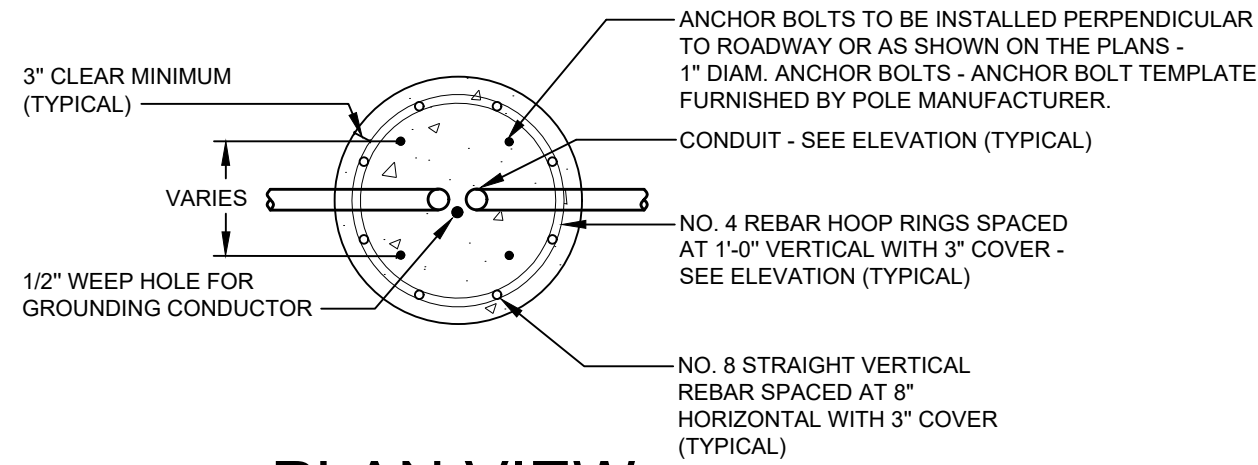
E4

4 OF 10 SHEETS

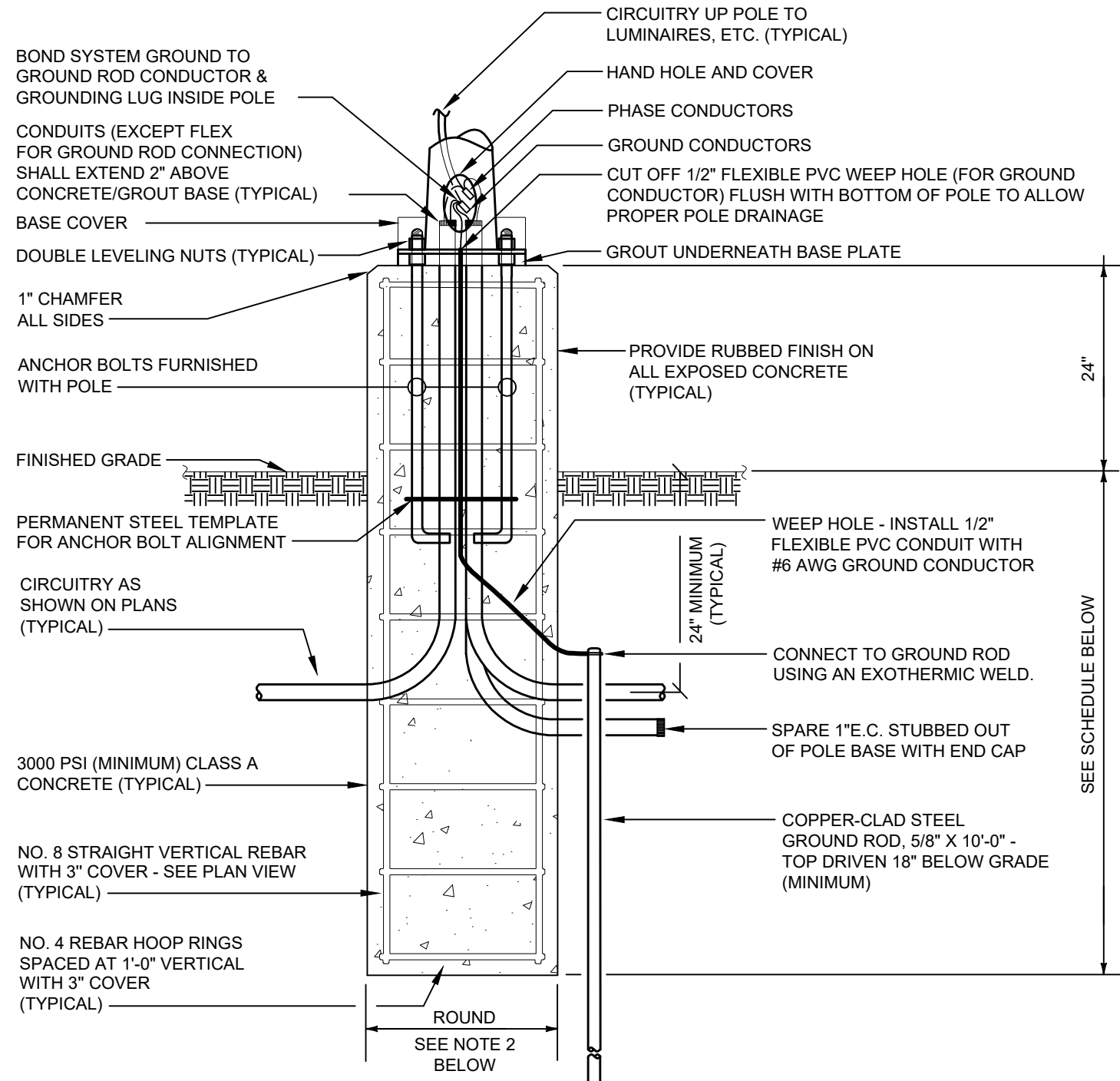


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DAVID ARENDALL, PE
david@jraee.com
(205) 536-7117
(P) 205-995-1078
JRA JOR NO. 223262
ELECTRICAL ENGINEERING & DESIGN



PLAN VIEW



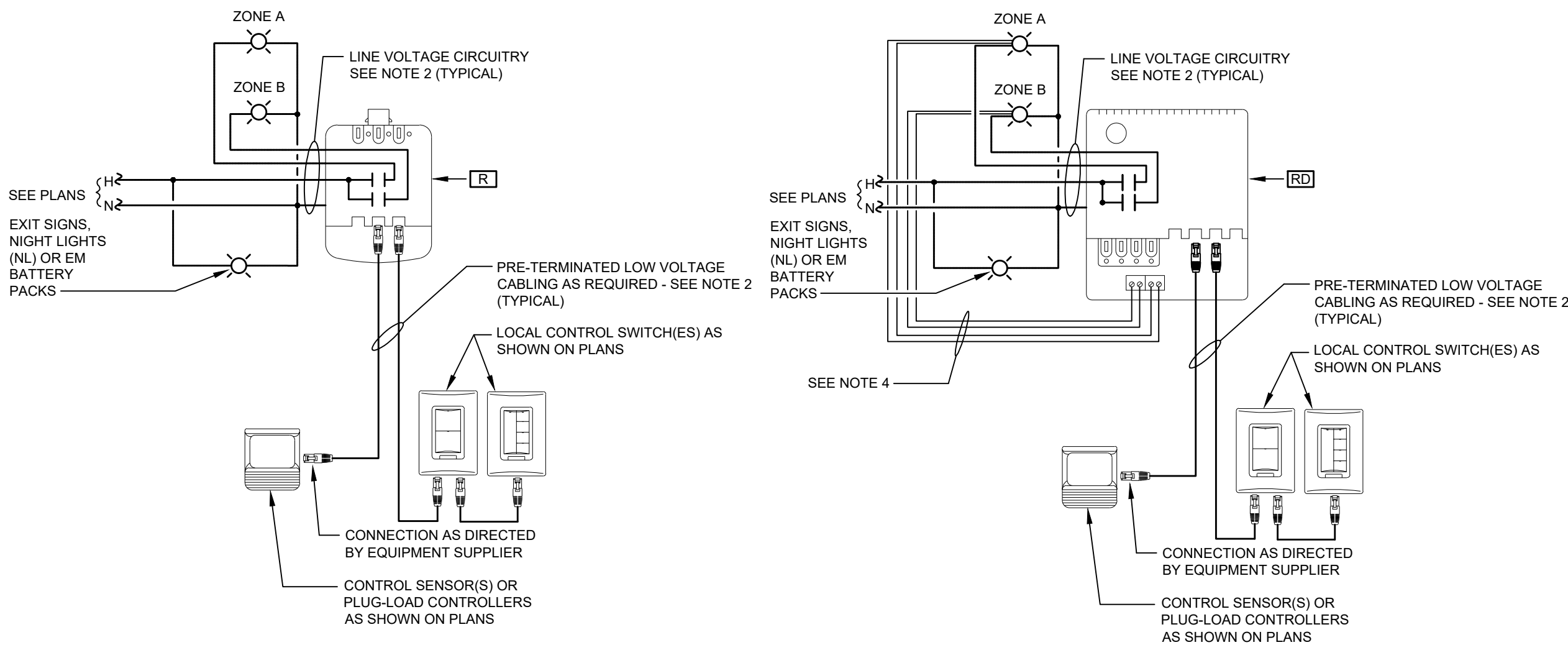
ELEVATION

DETAIL "E-LP1"
EXPOSED LIGHT POLE BASE

SCALE : NONE

DETAIL NOTES	
1. THIS CONTRACTOR SHALL CONFIRM SOIL CONDITIONS PRIOR TO BID OR INSTALLATION. IF SOIL CONDITIONS/TYPES ARE DIFFERENT THAN THE SPECIFIC TYPES INDICATED BELOW, OR THE POLE HEIGHTS ARE IN EXCESS OF THOSE LISTED BELOW, OR THE BASIC WIND SPEED FOR THE PROPOSED POLE LOCATION (PER ASCE 7 BASIC WIND SPEED MAPS) IS IN EXCESS OF 100MP, OR THE COMBINED E.P.A. OF ALL LUMINAIRES/ARMS/ACCESSORIES INSTALLED ON A POLE IS IN EXCESS OF 5.5 S.F., THE CONTRACTOR SHALL RETAIN A QUALIFIED STRUCTURAL ENGINEER (LICENCED IN THE STATE OF THE PROJECT) TO PROVIDE A PROJECT-SPECIFIC STRUCTURAL DESIGN FOR THE PROPOSED POLE BASE(S), AND SHALL INCLUDE ALL COSTS (FOR THE DESIGN AND THE REQUIRED POLE BASES) IN THE BID.	
2. MINIMUM POLE BASE DIAMETER SHALL BE THE GREATER OF THE FOLLOWING: A. ANCHOR BOLT CIRCLE DIAMETER PLUS 8" (TO PROVIDE MINIMUM 4" COVER OVER ALL ANCHOR BOLTS). B. 20" DIAMETER. C. DIAMETER AS REQUIRED BY SOIL CONDITIONS OR BY POLE SUPPLIER.	
3. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES OR OBSTRUCTIONS TO AVOID CONFLICTS PRIOR TO INSTALLATION OF LIGHT POLE BASE(S).	
4. POLE SHALL BE RATED TO WITHSTAND THE WIND SPEED SPECIFIED FOR THE SPECIFIC PROJECT SITE LOCATION PER LATEST VERSION OF ASCE 7 BASIC WIND SPEED MAPS OR APPLICABLE LOCAL BUILDING CODE REQUIREMENTS (WHICHEVER IS MORE STRINGENT), WITH 1.3 GUST FACTOR WITH ALL LUMINAIRES & ACCESSORIES INSTALLED.	

POLE BASE DIMENSIONS				
POLE HEIGHT	MINIMUM BASE DEPTH (BELOW GRADE) (SEE NOTE 1 ABOVE)			BASE DIAMETER
	CLAYEY SOILS (CL, ML, CH, MH)	SANDY SOILS (SW, SP, SM, SC, GM, GC)	GRAVELLY SOILS (GW, GP)	
0 - 15 FT.	6'-0"	5'-0"	4'-6"	SEE NOTE 2 ABOVE SEE NOTE 2 ABOVE SEE NOTE 2 ABOVE SEE NOTE 2 ABOVE SEE NOTE 2 ABOVE SEE NOTE 2 ABOVE SEE NOTE 2 ABOVE SEE NOTE 2 ABOVE SEE NOTE 2 ABOVE SEE NOTE 2 ABOVE
16 - 20 FT.	7'-0"	5'-6"	5'-0"	
21 - 25 FT.	8'-0"	6'-0"	5'-6"	
26 - 30 FT.	8'-6"	7'-0"	6'-6"	
31 - 35 FT.	9'-0"	7'-6"	7'-0"	
36 - 40 FT.	10'-0"	8'-0"	7'-6"	
41 - 45 FT.	10'-6"	8'-6"	8'-0"	
46 - 50 FT.	11'-0"	9'-0"	8'-6"	



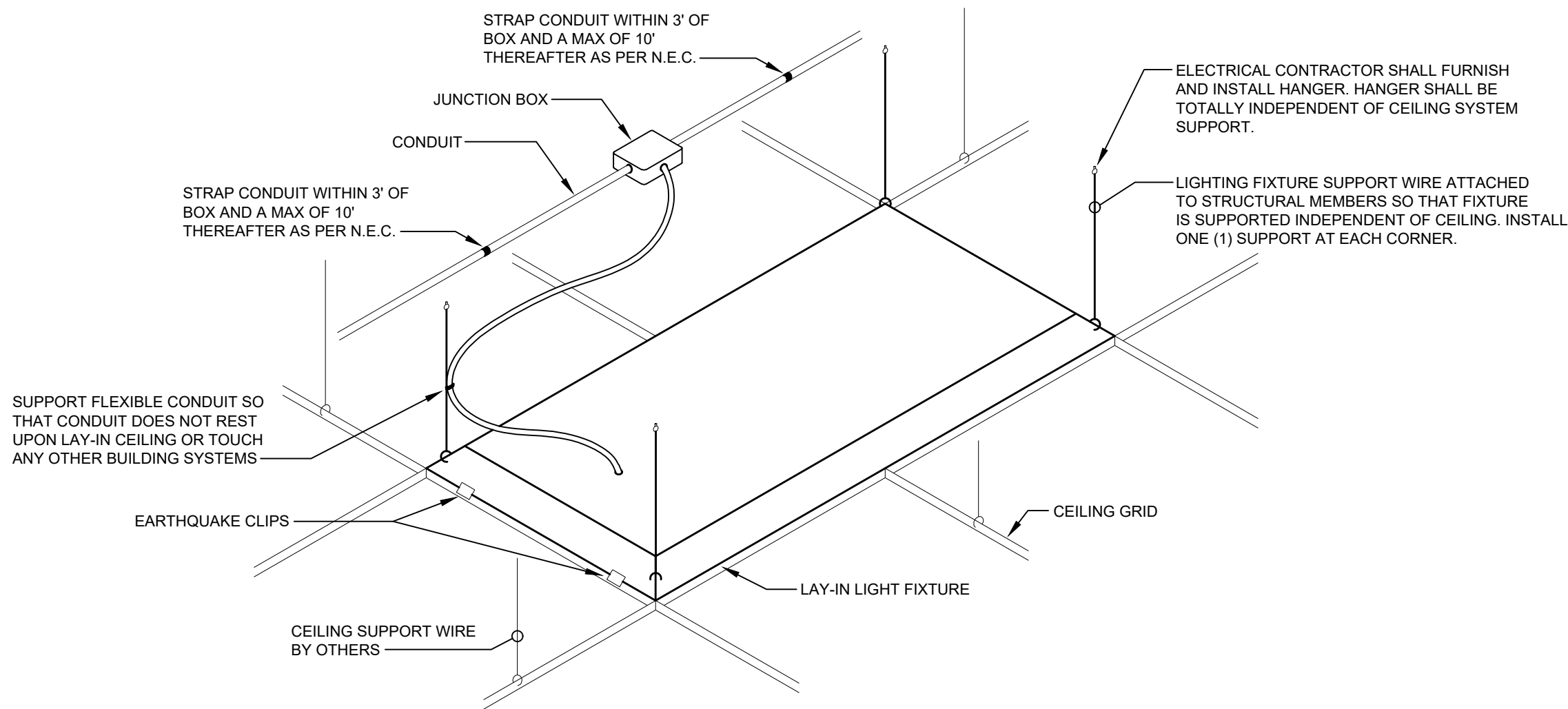
SCHEME A: ON/OFF CONTROL

SCHEME B: DIMMING CONTROL

DETAIL "E-RC"
TYPICAL ROOM DIGITAL LIGHTING
CONTROL WIRING DIAGRAM(S)

SCALE : NONE

DIAGRAM NOTES
1. DEVICES SHOWN ON THIS DIAGRAM ARE TYPICAL ONLY. EXACT SWITCHING, COMPONENTS, CONNECTIONS, DIMMING TYPE, ETC. WILL VARY. REFER TO PLANS FOR EXACT DEVICES REQUIRED IN EACH SPACE.
2. ALL CIRCUITRY/CABLING SHALL BE CONCEALED. LOW VOLTAGE CABLING MAY BE INSTALLED WITHOUT CONDUIT WHERE ABOVE ACCESSIBLE CEILINGS IF SUPPORTED EVERY 60" MAXIMUM (WITH J-HOOKS). ALL LINE VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT (UNLESS SPECIFICALLY NOTED OTHERWISE) PER SPECIFICATION REQUIREMENTS. FURNISH NUMBER OF ROOM CONTROLLERS/POWER PACKS AS REQUIRED TO ACCOMPLISH INTENT SHOWN ON PLAN.
3. THIS DIAGRAM SHOWS GENERAL WIRING REQUIREMENTS ONLY. CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE CONNECTIONS, LINE VOLTAGE CONNECTIONS, EQUIPMENT, ETC. AS RECOMMENDED BY THE LIGHTING CONTROL SYSTEM PROVIDER AS REQUIRED FOR A FULLY-FUNCTIONAL DIGITAL LIGHTING CONTROL SYSTEM.
4. CONTRACTOR SHALL FURNISH AND INSTALL ALL LOW VOLTAGE CONTROL CABLING OR ADDITIONAL CONDUCTOR(S) FROM 0-10V DIMMING ROOM CONTROLLER(S) TO ALL 0-10V DIMMED LIGHT FIXTURES AS REQUIRED FOR FULL DIMMING CONTROL OF ALL OVERHEAD LIGHTING THROUGHOUT ASSOCIATED SPACE. EXACT CONTROL CABLING WILL VARY DEPENDING ON FIXTURE DIMMING TYPE. MULTI-CONDUCTOR, PLENUM RATED CABLE SHALL BE USED FOR ALL LOW VOLTAGE CABLING.



DETAIL "E-FS"
LAY-IN FIXTURE SUPPORT

SCALE : NONE

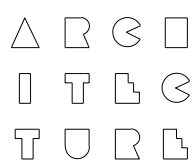
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Shelby County Landfill
AL Highway 70
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Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail
steve@cokerarch.com

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DETAILS
AND
DIAGRAMS

SHEET NO.

E5

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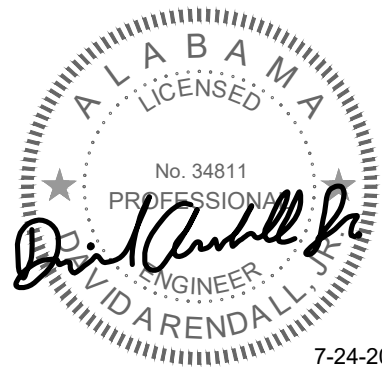


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DAVID ARENDALL, PE
david@jraee.com
(205) 536-7117
(205) 995-1078
JRA JOB NO. 223262
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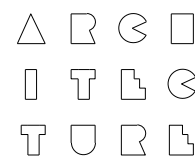
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Stephen Coker Architect LLC



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Scale House Project
Shelby County Landfill
AL Highway 70
Shelby County, AL



Stephen
Coker
Architect
LLC

1000 Glen View Road
Birmingham, Alabama 35222

Phone 205/595-0021

E-mail
steve@cokerarch.com

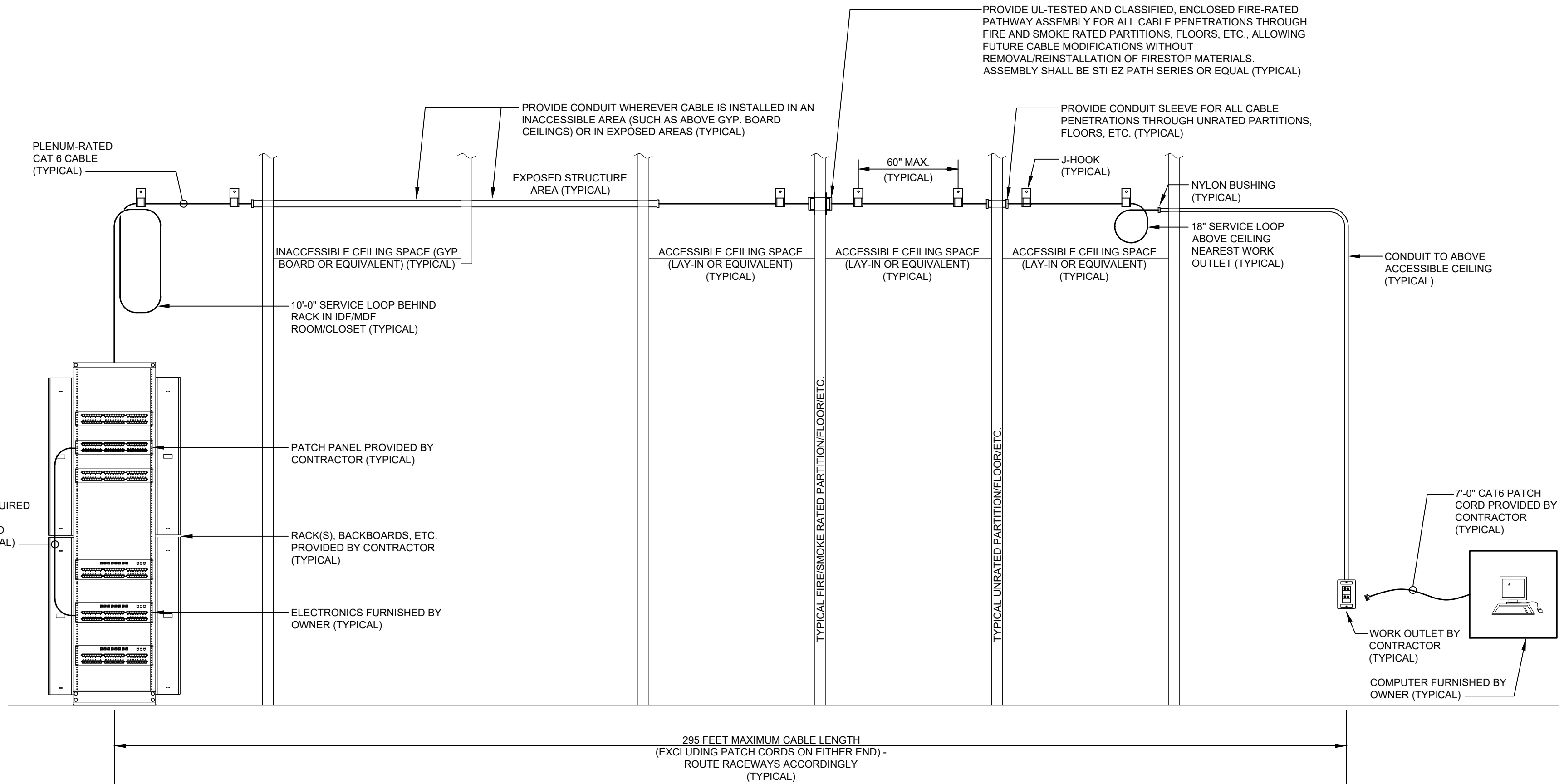
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PROJECT NO	260314

ELECTRICAL
DETAILS
AND
DIAGRAMS

SHEET NO

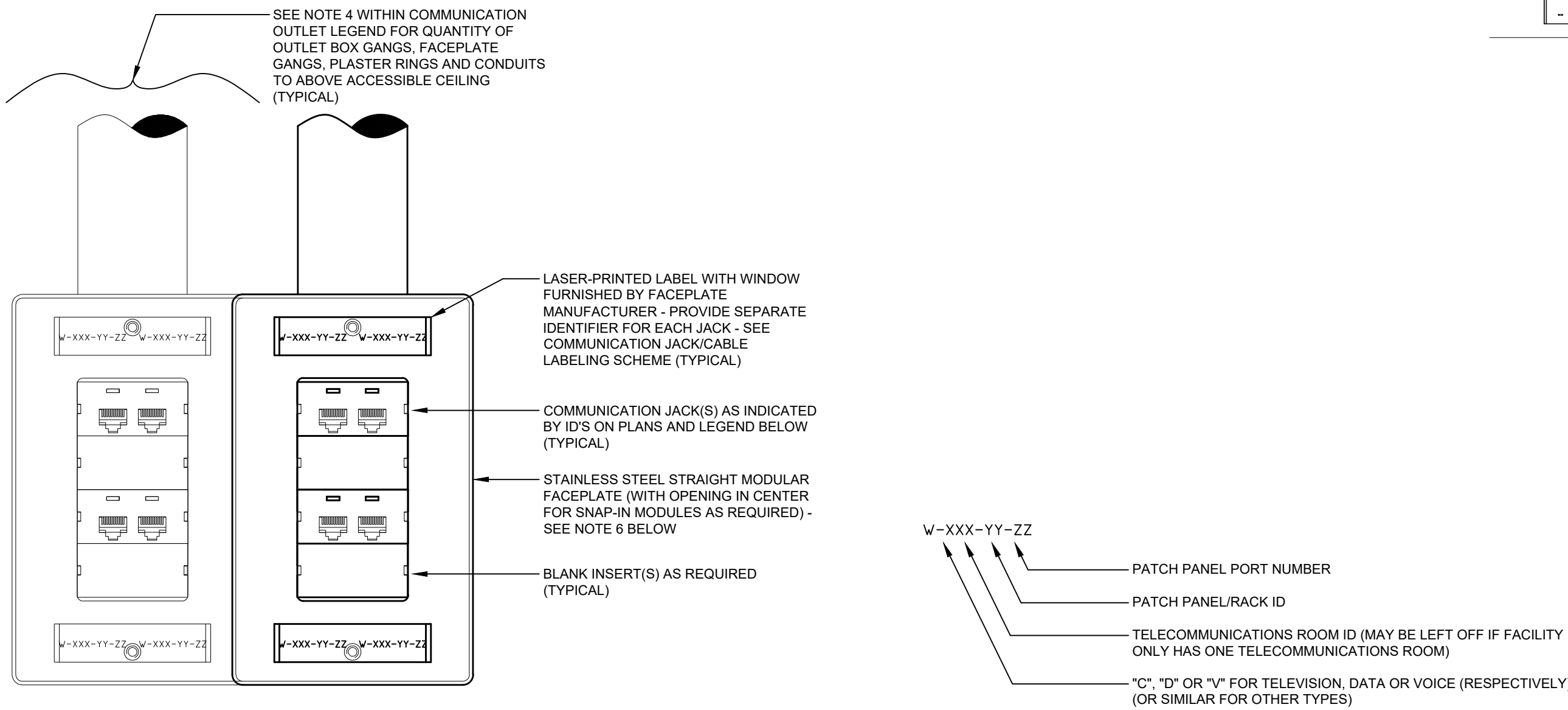
E6

6 OF 10 SHEETS



DETAIL "E-SCH" -
STRUCTURED CABLING HORIZONTAL
TYPICAL WIRING DIAGRAM

SCALE : NONE



COMMUNICATION OUTLET ELEVATION

COMMUNICATION JACK/CABLE LABELING SCHEME

DETAIL "E-CO"
COMMUNICATION OUTLET

SCALE : NONE

COMMUNICATION OUTLET LEGEND				
JACK ID(S) SHOWN ON PLANS	JACK TYPE(S)	ASSOCIATED HOMERUN CABLING FROM JACK (SEE NOTE 3 BELOW)	HOMERUN CABLING TO (UNLESS SHOWN OTHERWISE ON PLANS)	REMARKS
*D	RJ45 DATA JACK(S)	CAT6 DATA CABLE(S)	NEAREST DATA PATCH PANEL	
*DW	RJ45 DATA JACK(S)	CAT6 DATA CABLE- INDOOR/OUTDOOR RATED	NEAREST DATA PATCH PANEL	NOTE 6
NOTES: 1. THE ASTERISK "*" WITHIN THE JACK ID SECTION ABOVE REPRESENT THE QUANTITIES OF EACH JACK/CABLE TYPE. FOR EXAMPLE, "3D" REPRESENTS THREE (3) DATA JACKS/CABLES. 2. THE JACK IDENTIFIERS SHOWN ABOVE MAY BE COMBINED TOGETHER ON PLANS. FOR EXAMPLE, THE IDENTIFIER "2D" REPRESENTS TWO (2) DATA JACKS/CABLES. OUTLETS MAY CONSIST OF ANY COMBINATION OF THE ABOVE JACK TYPES. 3. ALL LOW VOLTAGE CABLING SHALL BE PLENUM-RATED. 4. THE QUANTITY OF OUTLET BOX GANGS AND CONDUITS FOR EACH COMMUNICATION OUTLET ASSEMBLY SHALL BE AS FOLLOWS: 1-2 JACKS: 1-GANG OUTLET BOX WITH 1-GANG FACEPLATE AND ONE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS). 3-4 JACKS: 2-GANG OUTLET BOX WITH 1-GANG PLASTER RING, 1-GANG FACEPLATE AND ONE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS). 5-8 JACKS: 2-GANG OUTLET BOX WITH 2-GANG FACEPLATE AND TWO 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS). 9-12 JACKS: 3-GANG OUTLET BOX WITH 3-GANG FACEPLATE AND THREE 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS). 5. PROVIDE A NYLON BUSHING ON EACH END OF EACH CONDUIT (SPECIFIED WITHIN NOTE 4 ABOVE) TO PROTECT CABLES. 6. PROVIDE SURGE PROTECTION ON BOTH ENDS. 7. COMMUNICATION OUTLET SHALL BE LOCATED A MAXIMUM OF 8 INCHES FROM THE ADJACENT POWER OUTLET.				

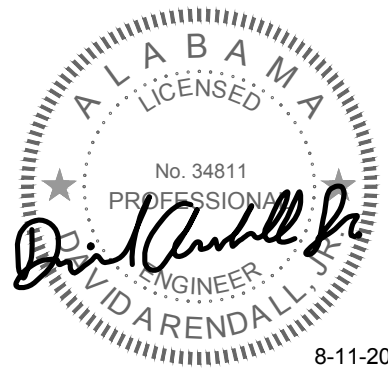


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ELECTRICAL ENGINEERING & DESIGN
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DAVID ARENDALL, PE
david@jraee.com
(205) 536-7117
(205) 995-1078
JRA JOB NO. 223262

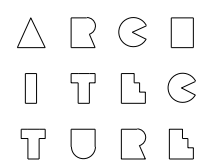
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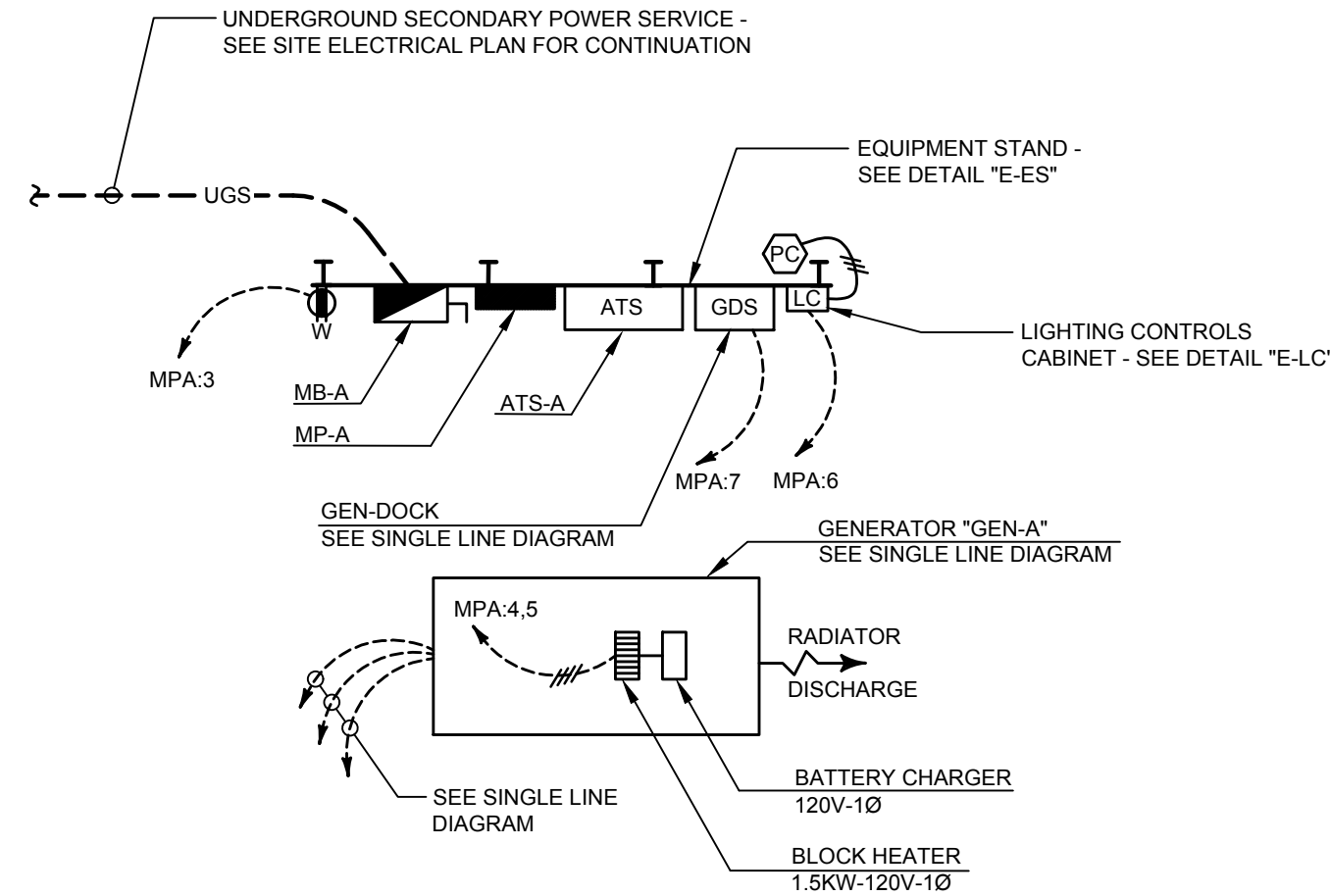
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SITE
ELECTRICAL
PLAN

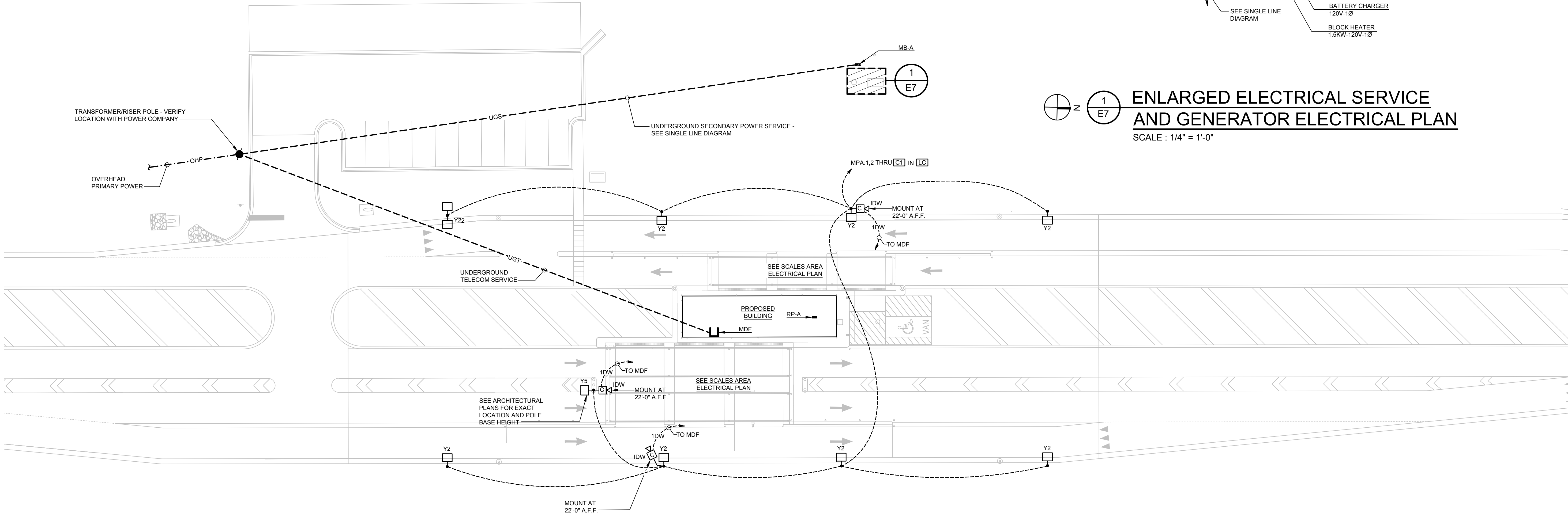
SHEET NO

E7

7 OF 10 SHEETS



ENLARGED ELECTRICAL SERVICE
AND GENERATOR ELECTRICAL PLAN
SCALE : 1/4" = 1'-0"



SITE ELECTRICAL PLAN
SCALE : 1' = 20'

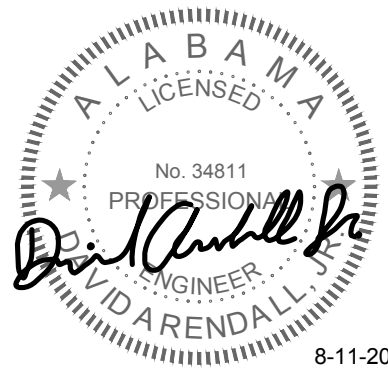


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(205) 536-7117
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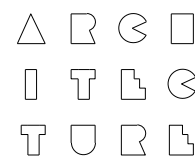
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SCALE
AREA
ELECTRICAL
PLAN

SHEET NO

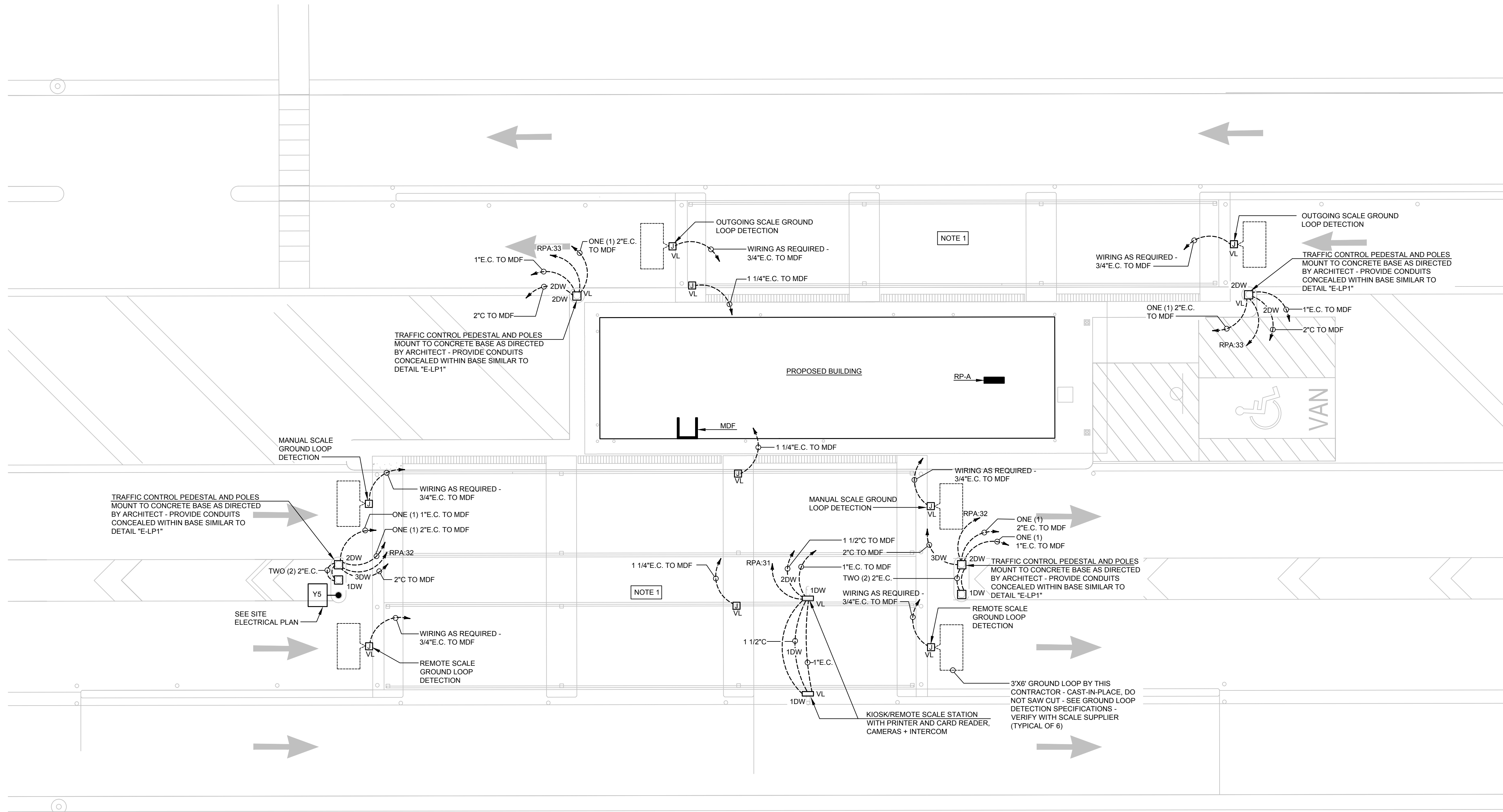
E8

8 OF 10 SHEETS



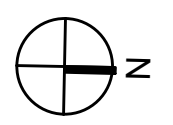
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JRA JOB NO. 223262



GROUND LOOP DETECTION SPECIFICATION

- GROUND LOOP AND DETECTOR SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. CONTRACTOR SHALL CAREFULLY COORDINATE ALL REQUIREMENTS, DIMENSIONS AND LOCATIONS WITH SCALE SUPPLIER PRIOR TO BEGINNING WORK OR ORDERING MATERIALS. BASIS OF DESIGN SHALL BE AS FOLLOWS:
 - MANUFACTURED BY RICE LAKE. EQUALS ALLOWED IF APPROVED BY SCALE SUPPLIER
 - COORDINATE DETECTOR VOLTAGE WITH SCALE SUPPLIER. DETECTOR SHALL BE AVAILABLE IN THE FOLLOWING VOLTAGES: 12 VAC/D.C., 24 VAC, 24 VDC, 110 VAC, 220 VAC
 - DETECTOR SHALL BE HOUSED IN AN EXTRUDED ALUMINUM ENCLOSURE AND INCLUDE LOOP DIAGNOSTICS, LOOP ISOLATION TRANSFORMER, LOOP CONDITIONER, ALUMINUM RF SHIELD HOUSING, SURGE PROTECTION, LOOP FREQUENCY COUNTER, 10 GOLD-PLATED SENSITIVITY CONTROLS, EIGHT GOLD-PLATED FUNCTION CONTROLS, SIX GOLD-PLATED CONTROLS FOR FREQUENCY, RESET AND FREQUENCY COUNTER, TWO LED INDICATORS, TWO RELAYS
 - LOOP SHALL INCLUDE TPE TUBING, ELECTRONIC LIGHTNING PROTECTION OF VEHICLE DETECTORS, 50' OF LEAD WIRE, 0.26" OUTER SHELL FLEXIBLE NONMETALLIC TUBING
 - OPERATING TEMPERATURE -40°F TO 180°F
 - UL SUBJECT 13, TYPE PLTC-300V, 90C PASSES IEEE-328.210.000 BTU FLAME TEST
 - LOOP SHALL BE CAST-IN-PLACE. DO NOT SAW CUT AFTER CONCRETE IS POURED. VERIFY DEPTH AND DIMENSIONS WITH SCALE SUPPLIER AND LOOP MANUFACTURER.
 - INSTALL IN ACCORDANCE WITH ALL MANUFACTURER RECOMMENDATIONS AND REQUIREMENTS.



SCALE AREA ELECTRICAL PLAN

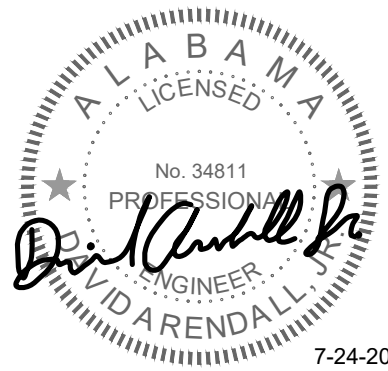
SCALE : 1/8" = 1'-0"

PLAN NOTES

- CONTRACTOR SHALL CAREFULLY COORDINATE ALL REQUIREMENTS AND LOCATIONS OF CONDUIT AND POWER WITH SCALE SUPPLIER PRIOR TO BEGINNING WORK.

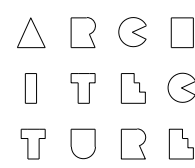
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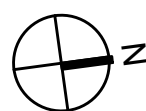
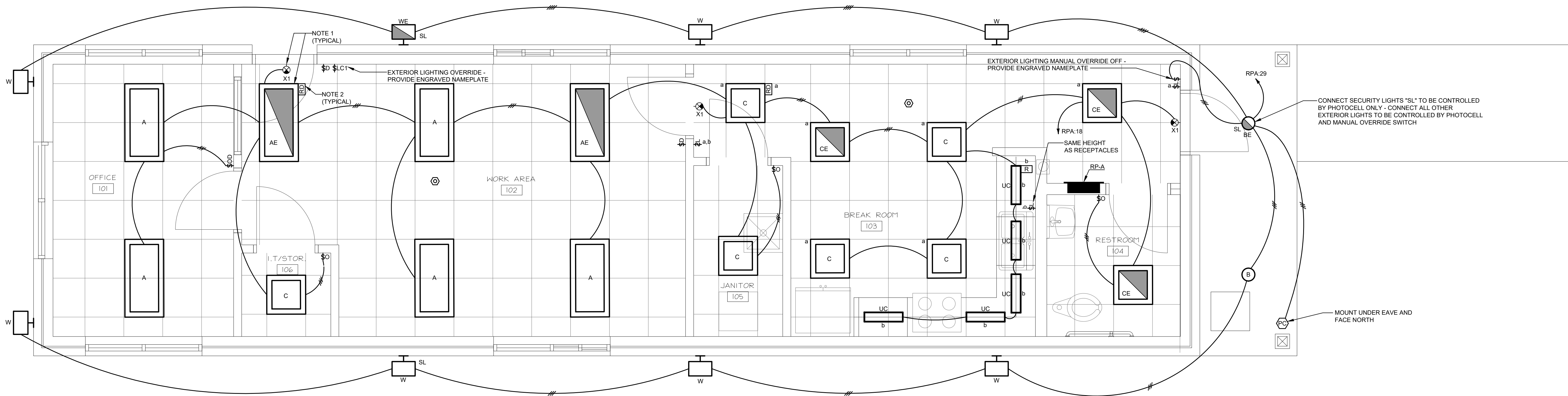
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LIGHTING
PLAN

SHEET NO

E9

9 OF 10 SHEETS



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

PLAN NOTES

- DO NOT SWITCH EXIT SIGNS, NIGHT LIGHTS OR EMERGENCY BATTERY PACKS (TYPICAL).
- PROVIDE 0-10V DIMMING CABLING TO ALL FIXTURES INDICATED TO HAVE DIMMING CONTROLS.

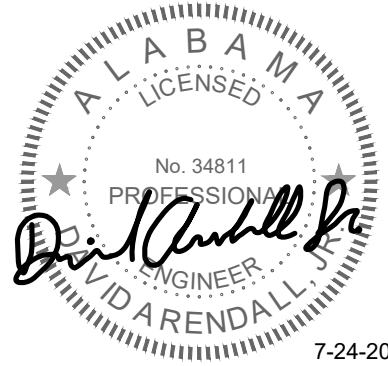


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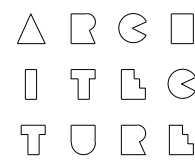
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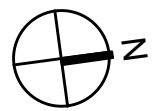
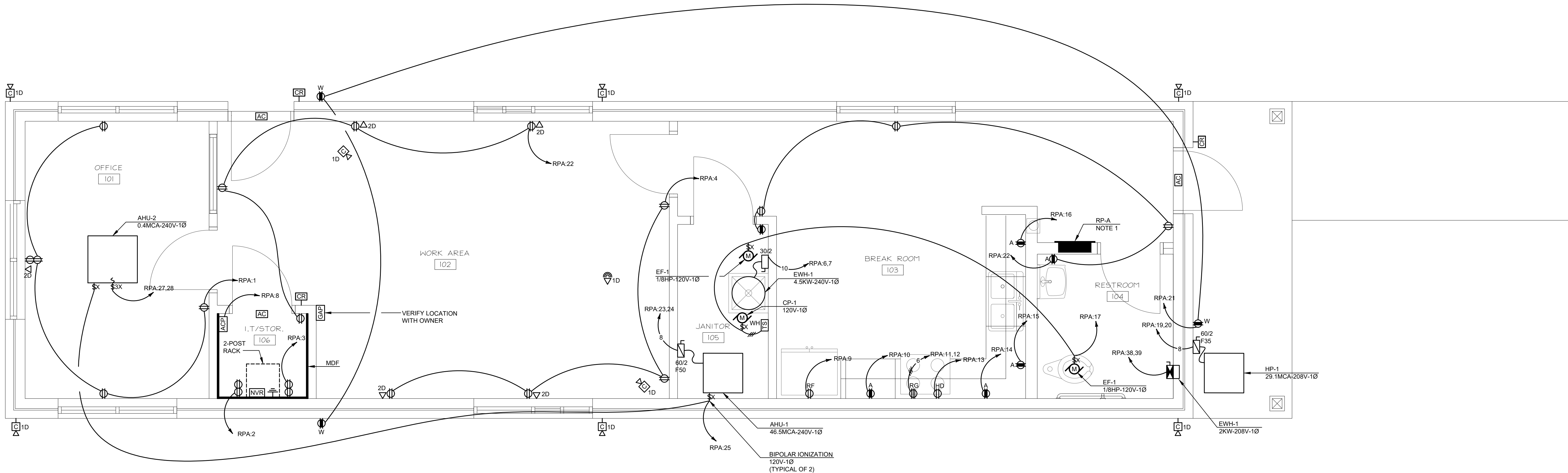
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POWER
AND
AUXILIARY
PLAN

SHEET NO

E10

10 OF 10 SHEETS



POWER AND
AUXILIARY PLAN
SCALE : 3/8" = 1'-0"

PLAN NOTES

1. PROVIDE THREE (3) I.E.C. TO ABOVE ACCESSIBLE CEILING.



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