TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL.

ABBREVIATIONS

A	A.B.	ANCHOR BOLT
	ABV	ABOVE
	A/C	AIR CONDITIONING
	ACC	ACCESS
	AC.T.	ACOUSTICAL TILE (CLG)
	AFF	ABOVE FINISH FLOOR
	A.D.	AREA DRAIN
	ADD	ADDENDUM
	ADH	ADHESIVE
	ADJ	ADJUSTABLE
	AGG	AGGREGATE
	A.H.U.	AIR HANDLING UNIT
	ALT	ALTERNATE
	ALUM	ALUMINUM
	A.P.	ACCESS PANEL
	APX	APPROXIMATE
	ARCH.	ARCHITECT(URAL)
	ASPH	ASPHALT
	A.T.	ASPHALT TILE
	AUTO.	AUTOMATIC
	AVG	AVERAGE
	AWNG	AWNING
B	B36	36" WIDE BASE CAB.
	BD	BOARD
	BF	BI-FOLD (DOOR)
	BIT.	BITUMINOUS
	BLKG	BLOCKING
	BLDG	BUILDING
	BLK	BLOCK (CMUs)
	BLKG	BLOCKING
	BM	BEAM
	B.M.	BENCH MARK
	BP	BI-PASS (DOOR)
	BRG	BEARING
	BRK	BRICK
	B.S.	BOTH SIDES
	BSMT	BASEMENT
	BOT	BOTTOM
	BTWN	BETWEEN
	BVL	BEVELED
	B.W.	BOTH WAYS
C	CAB	CABINET
	C.B.	CATCH BASIN
	CEM	CEMENT
	CER	CERAMIC
	CF	CUBIC FOOT
	CHAM	CHAMFER
	C.I.	CAST IRON
	C.I.P. CONC.	CAST-IN-PLACE CONC.
	CIR	CIRCLE
	CIRC	CIRCUMFERENCE
	C.J.	CONTROL JOINT
	CK	CALK(ING) CAULK(ING)
	CL	CLOSET OR CENTER LINE
	CLG	CEILING
	CLR	CLEAR(ANCE)
	CLS	CLOSURE OR CLOSER
	CM	CENTIMETER(S)
	CMU	CONCRETE MASONRY UNIT
	C.O.	CASED OPENING
	COL	COLUMN
	COMB	COMBINATION
	CONC	CONCRETE
	COND	(AC) CONDENSER
	CONST	CONSTRUCTION
	CONT	CONTINUOUS
	CONTR	CONTRACTOR
	CORR	CORRUGATED
	CPR	COPPER
	C OR CPT	CARPET
	CRS	COURSE(S)
	CSMT	CASEMENT
	C.ST.	CAST STONE
	C.T.	CERAMIC TILE
	CTR	CENTER OR COUNTER
	CX	CONNEXTION
	CY	CUBIC YARD
D	12"D	12" DEEP
	D	DRYER, OR DRAIN
	DBL	DOUBLE
	DECO	DECORATIVE
	DEM	DEMOLISH, DEMOLITION
	DEP	DEPRESSED
	DET	DETAIL
	D.F.	DRINKING FOUNTAIN
	DH	DOUBLE HUNG
	DIAM	DIAMETER
	DIM	DIMENSION
	D.L.	DEAD LOAD
	DN	DOWN
	D.P.	DAMP-PROOFING
	DR	DOOR
	DRY	DRYER MACHINE
	DS	DOWNSPOUT
	D/S	DRAWER STACK
	D.T.	DRAIN TILE
	DTL	DETAIL
	DW	DISH WASHER
	DWG	DRAWING
	DWR	DRAWER
E	EA	EACH
	EB	EYEBROW
	E.F.	EACH FACE
	E.J.	EXPANSION JOINT
	EL	ELEVATION
	ELEC	ELECTRIC(AL)
	E.P.	ELECTRICAL PANEL
	EQ	EQUAL
	EST	ESTIMATE
	E.W.C.	ELECTRIC WATER COOLER
	EXG	EXISTING
	EXH	EXHAUST
	EXT	EXTERIOR
F	FAS	FASTEN(ER)
	F.B.	FACE BRICK
	F.B.O.	FURNISHED BY OTHERS
	F.D.	FLOOR DRAIN
	F.E.	FIRE EXTINGUISHER
	F.F.	FINISH FLOOR
	F.G.	FIXED GLASS
	FGL	FIBERGLASS
	FIN	FINISH
	FLG	FLASHING
	FLR	FLOOR
	FLUR	FLOURESCENT
	FN	FENCE
	FND	FOUNDATION
	F.O.	FACE OF
	FP	FIRE PROOF
	FPHB	FIRE PROOF HOSE BIBB
	FP	FIREPLACE
	FR	FRAME
	FS	FULL SIZE
	FTG	FOOTING
	FUR	FURRED(ING)
	F.V.	FIELD VERIFY
G	GA	GAUGE
	G.B.	GYPSUM BOARD
	G.C.	GENERAL CONTRACTOR
	GD	GRADE OR GRADING
	G.D.O.	GARAGE DOOR OPENER
	GFI	GROUND FAULT INTERRUPTER
	GL	GLASS OR GLAZING
	GL.BK.	GLASS BLOCK
	G.I.	GALVANIZED IRON
	GT	GROUT
H	H	HIGH
	HB	HOSE BIBB
	H.C.	HOLLOW CORE
	HD	HEAD OR HARD
	H.D.	HEAT DETECTOR OR HEAVY DUTY
	HDR	HEADER
	HDW	HARDWARE
	HT	HEIGHT
	H.M.	HOLLOW METAL
	HORZ	HORIZONTAL
	HR	HOUR
	H.R.	HALF ROUND
	HS	HORIZONTAL SLIDER
	HTG	HEATING
	HVAC	HEATING/VENTILATING/AIR COND.
	HWD	HARDWOOD
I	I.B.	IRONING BOARD
	I.D.	INSIDE DIAMETER
	I.L.O.	IN LIEU OF
	I.M.	INSULATED METAL
	INS / INSUL	INSULATED(TION)
	INT	INTERIOR
J	JST	JOIST
	JT	JOINT
K	KD	KNOCKDOWN
	KIT	KITCHEN
	KO	KNOCKOUT
	KPL	KICKPLATE
	K/S	KNEE SPACE
L	LAM.	LAMINATE(D)
	LAV	LAVATORY
	L.B.O.	LOCATION BY OTHERS
	LIV	LIVING
	L.L.	LIVE LOAD
	L.P.	LAMINATED PLASTIC
	LT	LIGHT
	L.T.	LAUNDRY TUB
	LTL	LINTEL
	LVL	VENNER LUMBER
	LVR	LOUVER
M	M	METER(S)
	MAX	MAXIMUM
	MAS	MASONRY
	MATL	MATERIAL
	MC	MEDICINE CABINET
	MECH	MECHANICAL
	MFR.	MANUFACTURER
	MH	MANHOLE
	MIN	MINIMUM
	MIR	MIRROR
	MISC	MISCELLANEOUS
	MLD	MOULDING
	MM	MILLIMETER
	MMB	MMB MEMBRANE
	M.O.	MASONRY OPENING
	MOD	MODULAR
	MRB	MARBLE
	MTL	METAL
	MT	MOUNTED(ING)
	MULL	MULLION OR MULLED
N	N/A	NOT APPLICABLE
	N.I.C.	NOT IN CONTRACT
	NL	NAILABLE
	NOM	NOMINAL
	N.T.S.	NOT TO SCALE
	N.G.V.D.	NAT. GEODETIC VERTICAL DATOM
O	OA	OVERALL
	OBS	OBSCURE (GLASS)
	O.C.	ON CENTER
	OHC	OVERHEAD CABINET
	O.D.	OUTSIDE DIAMETER
	O.G.D.	OVERHEAD GARAGE DOOR
	OH	OVERHEAD
	OPNG	OPENING
	OPT	OPTIONAL
	OSB	ORIENTED STRAND BOARD
P	PAR	PARALLEL
	P.BD.	PARTICLE BOARD
	PCC.	PRECAST CONCRETE
	P.E.	PORCELAIN ENAMEL
	PED	PEDESTAL (SINK)
	PERI	PERIMETER
	PKG	PARKING
	PL	PLATE
	P.LAM.	PLASTIC LAMINATE
	PLAS	PLASTER
	PNL	PANEL
	PNT	PAINT
	P. TILE	PORCELAIN TILE
	PR	PAIR
	PREFAB	PREFABRICATED
	PSF	POUNDS PER SQUARE FOOT
	PSI	POUNDS PER SQUARE INCH
	PTN	PARTITION
	P.T.	PRESSURE TREATED
	PV	PAVE(D) OR PAVING
	PVC	POLYVINYL CHLORIDE (PIPE)
	PVMT	PAVEMENT
	PWD	PLYWOOD
Q	Q.T.	QUARRY TILE
R	R	RISER
	R/A	RETURN AIR
	R.B.	RUBBER BASE
	RAD	RADIUS
	RBL	RUBBLE
	R.D.	ROOF DRAIN
	REF	REFRIGERATOR
	REQ	REQUIRED
	RES	RESILIENT
	REV	REVISION, REVISED
	REINF	REINFORCED(ING)
	RFG	ROOFING
	R.J.B.	REINFORCED JUNCTION BOX
	RLG	RAILING
	R&M	RANGE W/ MICROWAVE
	RWL	ROOF WATER LEADER
	R.O.	ROUGH OPENING
	R.O.W.	RIGHT OF WAY
	R&S	ROD AND SHELF(S)
S	SC	SOLID CORE
	SCH	SCHEDULE
	SD	SMOKE DETECTOR
	SEC	SECTION
	S.F.	SQUARE FEET
	SF.GL.	SAFETY GLASS
	S.G.D.	SLIDING GLASS DOOR
	SH	SINGLE HUNG OR SHELF
	SHT	(DRAWING) SHEET
	SHTHG	SHEATHING
	SIM	SIMILAR
	SKL	SKYLIGHT
	SL	SIDELIGHT OR SLEEVE
	SNT	SEALANT
	SPC	SPACER
	SPEC	SPECIFICATIONS
	SPK	SPEAKER
	S.ST.	STAINLESS STEEL
	STD	STANDARD
	STOR	STORAGE
	STL	STEEL
	STR	STRUCTURAL
	SQ	SQUARE
	SUS	SUSPENDED
	S.W.	SHEAR WALL
T	T	TREAD
	T.B.	TOWEL BAR
	T.B.D.	TO BE DETERMINED
	TC	TERRA COTTA
	T.C.J.	TROWELED CONTROL JOINT
	TEMP.	TEMPERED (GLASS)
	T&G	TONGUE & GROOVE
	TEL	TELEPHONE
	THK	THICK(NESS)
	THR	THRESHOLD
	T.O.C.	TOP OF CONCRETE
	T.O.F.	TOP OF FOUNDATION
	T.O.M.	TOP OF MASONRY
	T.O.W.	TOP OF WINDOW
	TR	TRANSOM
	TP	TOILET PAPER HOLDER
	TV	TELEVISION OUTLET
	TYP	TYPICAL
U	UC	UNDERCUT
	UNF	UNFINISHED
	U.N.O.	UNLESS NOTED OTHERWISE
V	VB	VANITY BASE
	V.B.	VAPOR BARRIER
	VB#	VANITY BASE WIDTH
	VERT	VERTICAL
	VIN	VINYL(SHEET)
	V.S.	VEGTABLE SINK
	V.C.T.	VINYL COMPOSITION TILE
W	W	WIDE OR WASHING MACHINE
	WC	WATER CLOSET
	WF	WIDE FLANGE
	WH	WATER HEATER
	W.H.	WALL HUNG
	WI	WROUGHT IRON
	WIC	WALK-IN CLOSET
	WIN	WINDOW
	W/ W/O	WITH OR WITHOUT
	WP	WATERPROOF
	W.R.	WATER RESISTANT
	W.S.	WATER SOFTENER
	WSCT	WAINSCOT
	W.T.W.	WALL TO WALL
	WWM	WELDED WIRE MESH

VICINITY MAP

PROJECT INFORMATION

OWNER: Tallapoosa County Commission

FACILITY ADDRESS: 125 North Broadnax Street
Dadeville, Alabama 36853

DESIGN TEAM CONTACTS

ARCHITECT: JMR+H ARCHITECTURE, P.C.
445 DEXTER AVENUE
SUITE 5050
MONTG0MERY, AL 36104
T: (334) 420-5672
F: (334) 420-5692
CONTACT: JEFF CAHILL, AIA

STRUCTURAL: HARVEST ENGINEERING, LLC
216 S 8TH/ STREET, SUITE 118
OPELIKA, AL 36801
CONTACT: BRAD HARRISON, PE

PLUMBING & MECHANICAL: WHORTON ENGINEERING, INC.
25 SUMMERALL GATE ROAD,
BLDG. 2120
ANNISTON, AL 36205
CONTACT: HEATHER PAGE, PE

ELECTRICAL: MILLS-CONOLY ENGINEERING, P.C.
8218 OLD FEDERAL ROAD
MONTGOMERY, AL, 360117
CONTACT: ADAM MILLS, PE

ARCHITECTURAL SYMBOLS

- 10 / A — DOOR MARK
- A — WINDOW MARK
- 205 — ROOM FINISH MARK
- A — LOUVER MARK
- B.F.E. — BRACKET MOUNTED FIRE EXTINGUISHER
- F.E.C. — FIRE EXTINGUISHER CABINET
- A / A2.1 — LARGE SCALE PLAN OR DETAIL ENLARGEMENT
- F.F.= — FINISH FLOOR ELEVATION
- FINISH GRADE ELEVATION
- DETAIL NO. / DWG. NO. — DETAIL
- ELEV. NO. / DWG. NO. — INTERIOR ELEVATION
- SECT. NO. / DWG. NO. — SECTION MARKER
- BEARING ELEVATION

GENERAL NOTES

1. DRAWINGS AND SPECIFICATIONS OF ALL DISCIPLINES INCLUDED HEREIN ARE GRAPHIC AND TEXT REPRESENTATIONS INTENDED TO ESTABLISH THE FULL SCOPE OF THIS PROJECT AND THE FULL CONTRACTUAL OBLIGATION OF THE GENERAL CONTRACTOR TO COMPLETE THE WORK SHOWN, IMPLIED, AND SPECIFIED. IT SHALL BE THE GENERAL CONTRACTOR'S ULTIMATE RESPONSIBILITY TO COORDINATE THE PROPOSALS AND WORK OF ALL TRADES TO ENSURE ALL MATERIALS AND WORK REQUIRED BY THE CONTRACT DOCUMENTS ARE INCLUDED IN THE GENERAL CONTRACTOR'S PROPOSAL AND ARE ULTIMATELY FURNISHED AND INSTALLED IN THE FINISHED PRODUCT, WHETHER EXPLICIT OR IMPLIED BY THESE DOCUMENTS.

2. THE FOLLOWING PRIORITIES ARE ESTABLISHED WITH REFERENCE TO DISCIPLINE COORDINATION
   A. ALL PLUMBING WORK AND INSTALLATION SHALL BE COORDINATED FULLY TO ALLEVIATE CONFLICTS.
   B. NO TRADE WILL TAKE UNNECESSARY ADVANTAGE OF AVAILABLE PLENUM SPACE OVER OTHER TRADES. RELOCATION OF ANY ITEMS VIOLATING THIS PRINCIPLE SHALL BE AT THE TRADES' EXPENSE.
   C. ALL STRUCTURAL DESIGN & DETAILING SHALL GOVERN OVER ARCHITECTURAL GRAPHIC REPRESENTATION WHERE APPLICABLE.
   D. ALL CIVIL DESIGN & DETAILING SHALL GOVERN OVER ARCHITECTURAL REPRESENTATION WHERE APPLICABLE.

3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR CONSTRUCTION ON THIS SITE. IF PROBLEMS ARE ENCOUNTERED WHILE ATTEMPTING TO OBTAIN PERMITS, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY AND WILL ASSIST AS NECESSARY.

4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE CONTRACT DOCUMENTS APPLICABLE TO THIS PROJECT PRIOR TO CONSTRUCTION. THE DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY AND BOTH DOCUMENTS SHALL BE BINDING.

5. THE CONTRACTOR IS TO MAINTAIN A COMPLETE SET OF AS-BUILT DRAWINGS AT THE JOB SITE. AS-BUILTS SHALL BE AVAILABLE FOR FIELD OBSERVATION BY THE ARCHITECT OR ENGINEER.

6. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS, PROCEDURES, OR METHODS OF CONSTRUCTION. IT IS INTENDED THAT A COMPLETE BUILDING ADDITION BE PROVIDED WITH ALL NECESSARY EQUIPMENT APPURTENANCES, AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE BUILDING ADDITION IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS. ALL ITEMS, SYSTEMS, ETC. OUTLINED HEREIN SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE CONTRACT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.

7. COORDINATE PIPING WITH STRUCTURAL AND PLUMBING. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ADDITIONAL EXPENSE TO THE OWNER. **CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS OF ALL TRADES**, SEE SPECS. CONTRACTOR IS SOLELY RESPONSIBLE FOR DE CONFLICTING OF PATHWAYS AND ROUTING

8. COORDINATE ALL REVIEWS OF WORK IN PLACE PRIOR TO COMMENCEMENT OF ALL INTERIOR AND EXTERIOR WORK.

9. CONTRACTOR SHALL CHECK AND COORDINATE ALL DIMENSIONS PRIOR TO PROJECT LAYOUT. CONFIRM EXISTING CONDITIONS WILL ACCOMMODATE DIMENSIONAL CRITERIA SHOWN FOR NEW WORK, CONSTRUCTION, AND INSTALLATION. THIS CONFIRMATION WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

10. CONTRACTOR SHALL PROTECT TO THE GREATEST EXTENT POSSIBLE EXISTING BUILDING / SITE CONSTRUCTION, MECHANICAL UNITS, EQUIPMENT, VEHICLES, TREES, SHRUBBERY, PAVING, GRASSED AREAS, ETC. FROM DAMAGE THROUGHOUT THE ENTIRE DURATION OF THE PROJECT.

11. CONTRACTOR IS RESPONSIBLE FOR: MAINTAINING ALL LANDSCAPING ITEMS, MOWING ALL GRASS, PROTECTING ALL DESIGNATED TREES, IRRIGATING GRASS AND LANDSCAPING, ETC. FOR THE ENTIRE SITE TO THE SATISFACTION OF THE OWNER FROM NOTICE TO PROCEED THROUGH FINAL ACCEPTANCE OF THE PROJECT BY THE OWNER.

ALTERNATES

ALTERNATE # 1 - FURNISH & INSTALL 1 ½" FURRING CHANNELS @ 24" O.C. W/ 5/8" GYP. BRD. ON CMU WHERE SHOWN IN DOCUMENTS. SEE SPECS.

ALTERNATE # 2 - FURNISH AND INSTALL ACOUSTICAL PANELS WHERE SHOWN IN COMMUNICATION CENTER 101. SEE SPECS.

INDEX OF DRAWINGS

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STATE OF ALABAMA
J.MICHAEL RUTLAND 2149
TIMOTHY R. HOLMES 3188
REGISTERED ARCHITECT

TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description

COVER, INDEX, LEGENDS, & NOTES

Sheet Number

T1.1

PRINTED: 1/8/2026 @ 9:07AM

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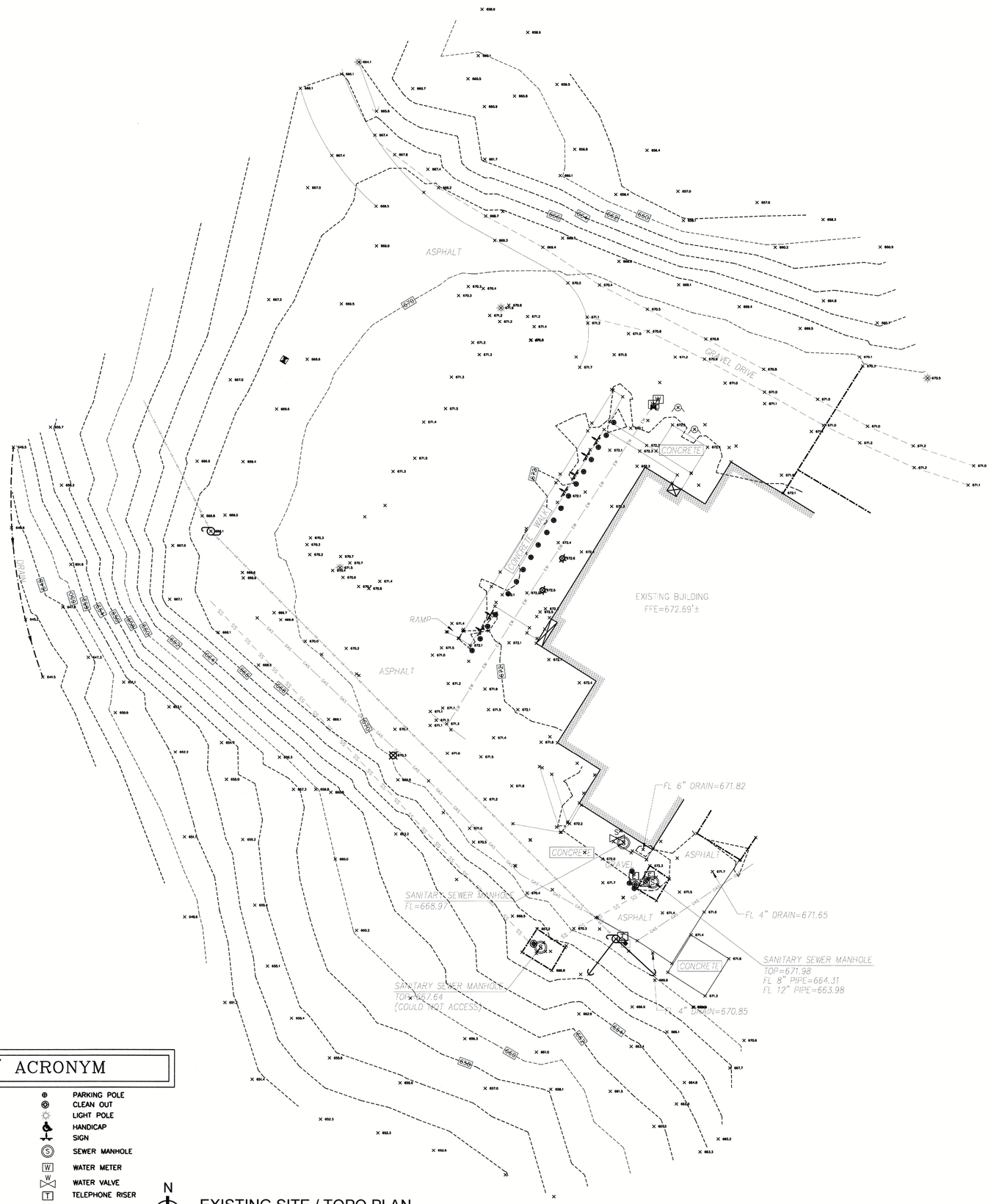

LEGEND / ACRONYM

- FENCE
- OVERHEAD UTILITIES
- UTILITY POLE
- GUY WIRE
- ELECTRIC METER BOX
- ELECTRIC BOX
- TRAFFIC SIGNAL SWITCH BOX
- LIGHT
- SECURITY POLE
- SEWER VALVE
- PARKING POLE
- CLEAN OUT
- LIGHT POLE
- HANDICAP
- SIGN
- SEWER MANHOLE
- WATER METER
- WATER VALVE
- TELEPHONE RISER
- FIRE HYDRANT
- WATER SPIGOT

N

EXISTING SITE / TOPO PLAN

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

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EXISTING SITE / TOPO

Sheet Number

C0.1

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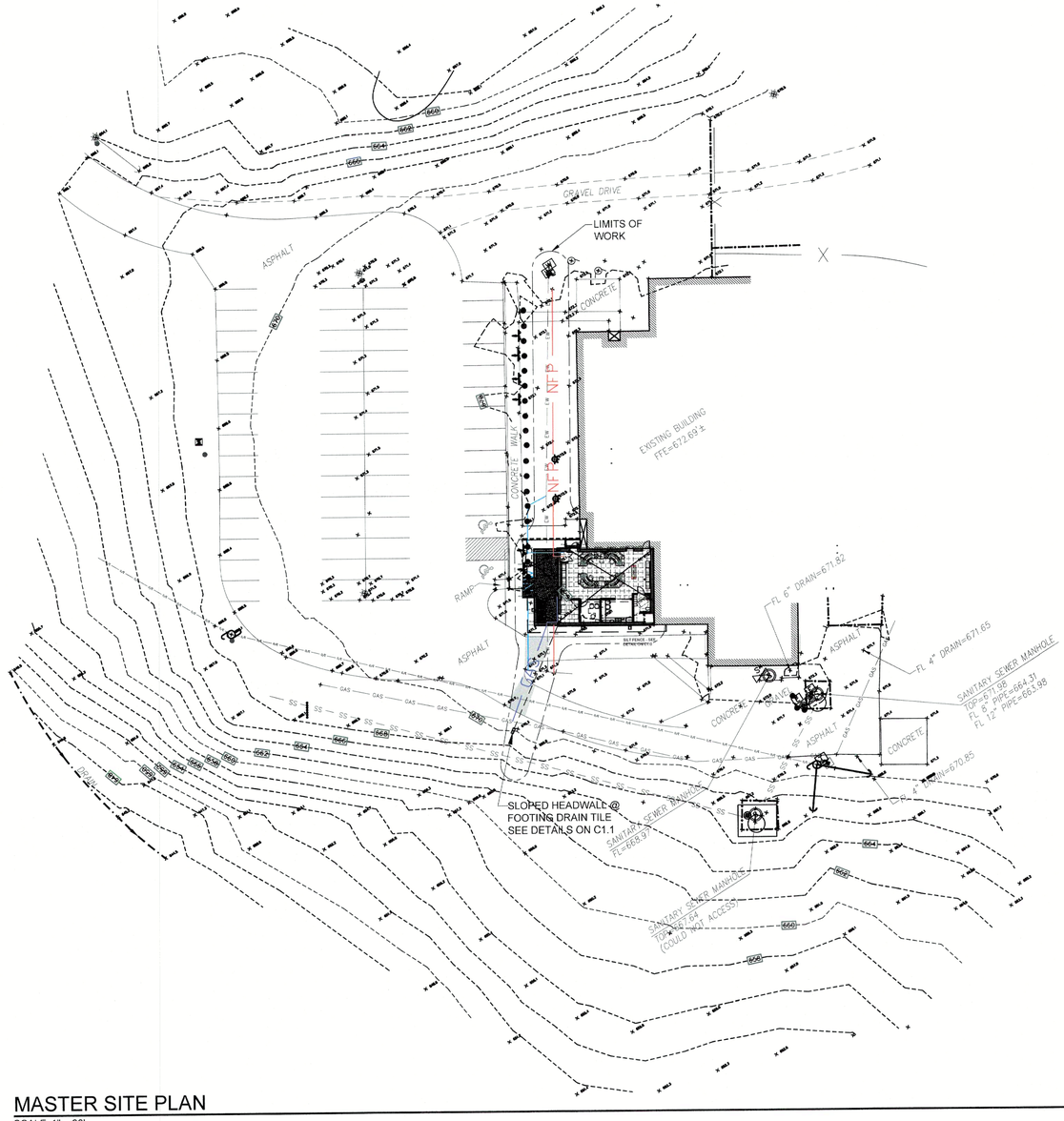


MASTER SITE PLAN

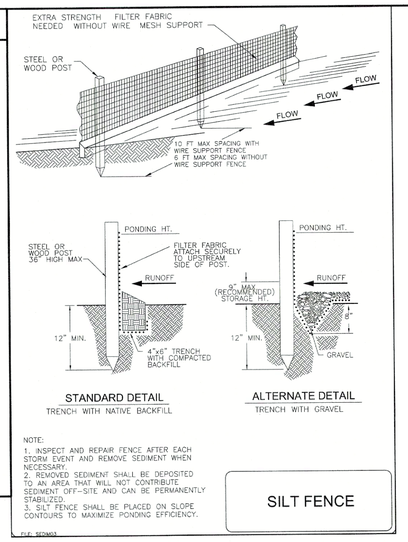
SCALE: 1" = 30'

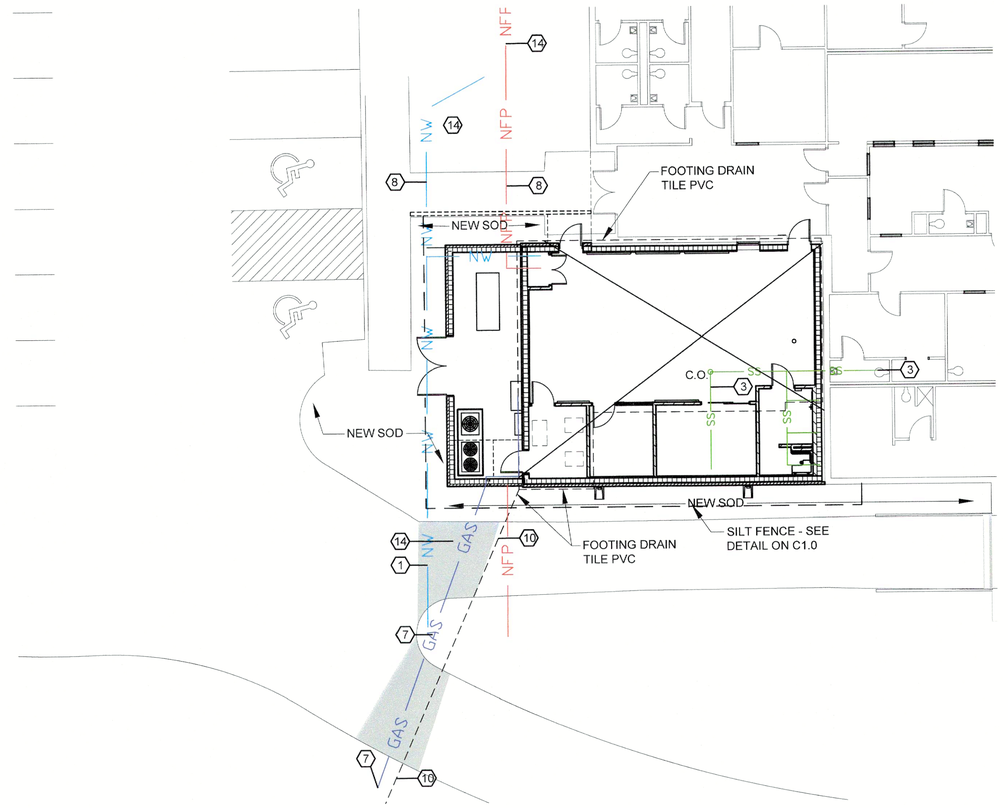
SITE WORK NOTES

1. CUT & DELETE EXISTING WATER LINE. COORDINATE FOR SERVICE DOWN TIME. RELOCATE & CONNECT AS SHOWN.
2. TEMPORARILY REMOVE SIGNAGE & REPLACE WHEN SITE WORK IS COMPLETE.
3. CONNECT TO SANITARY SEWER SERVICE IN EXISTING PIPE TUNNEL. SEE PLUMBING.
4. CUT & PATCH EXISTING DRIVE PAVING AS SPECIFIED.
5. REMOVE EXISTING BOLLARDS TO ACCOMMODATE NEW WORK. REINSTALL IN ORIGINAL LOCATION.
6. INSTALL NEW FIRE PROTECTION LINE AS SHOWN ON FIRE PROTECTION DRAWINGS.
7. INSTALL NEW NATURAL GAS LINE TO NEW SERVICE @ NEW EQUIPMENT YARD.
8. BORE UNDER WALK FOR NEW SERVICE COMPONENTS.
9. INSTALL NEW 8'-0" HIGH 2X4 @ 24" O.C. TEMPORARY SAFETY BARRICADE TO PROTECT ENTRY TO SHERIFF'S OFFICE. INSTALL ½" PLYWOOD SHEATHING @ WALK SIDE. SEE DETAIL ON C1.1.
10. INSTALL NEW 4" FOOTING DRAIN TILE - OUTFALL TO DAYLIGHT @ INVERT = 669.02.
11. PROTECT EXISTING FLAGPOLE.
12. PROTECT EXISTING DOWNSPOUT.
13. NOTE: G.C. WILL UNDERCUT AS SPECIFIED AND LOAD ALL SPOILS ONTO COUNTY TRUCKS FOR HAUL OFF.
14. CONTRACTOR WILL SOD ALL DISTURBED AREAS.

LEGEND

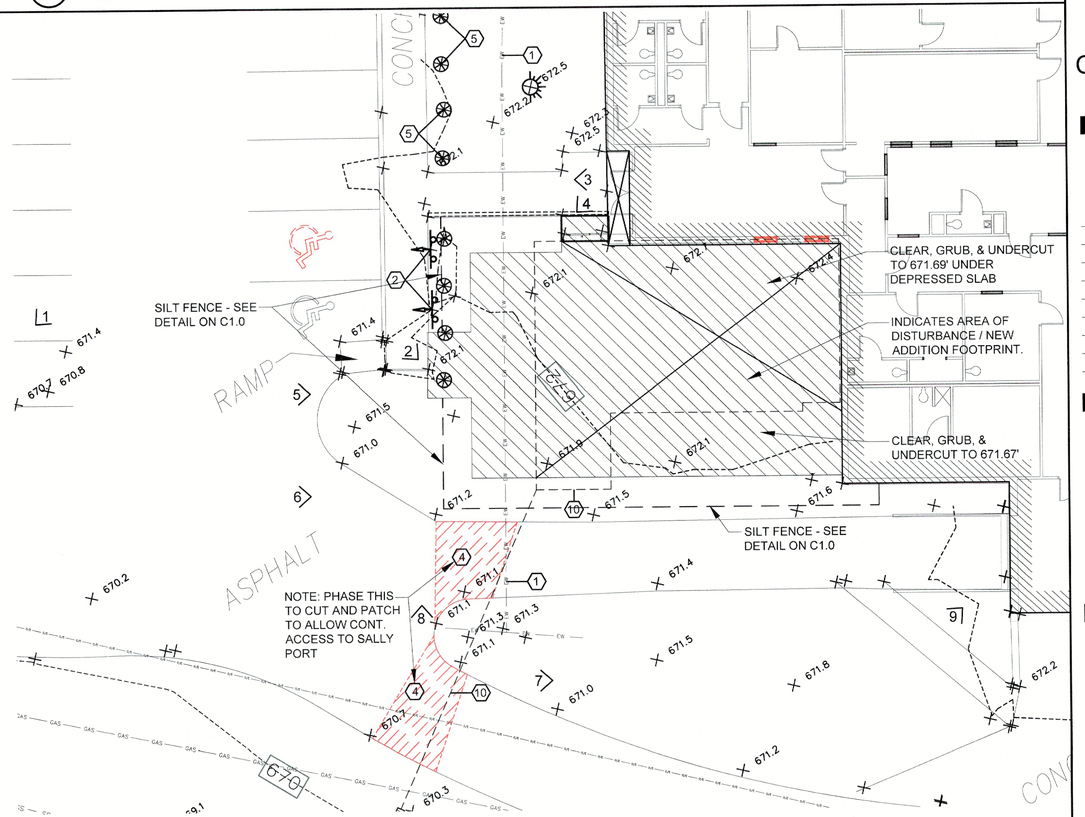
---------	EXISTING SITE CONTOUR
×670.19	EXISTING SITE SPOT ELEVATION
±672.20"	NEW SITE SPOT ELEVATION
GAS GAS	NEW UNDERGROUND GAS SERVICE
EV EV	EXISTING DOMESTIC WATER
NV NV	NEW DOMESTIC WATER
SS	SANITARY SEWER
EFP EFP	EXISTING FIRE PROTECTION
NFP NFP	NEW FIRE PROTECTION
	EXISTING BOLLARD
	EXISTING ADA SIGNAGE
	SAW CUT AND DEMOLITION OF EXISTING PAVING





A C1.0 LARGE SCALE SITE

SCALE: 1"= 10'



B C1.0 LARGE SCALE SITE DEMOLITION

SCALE: 1"= 10'

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ALABAMA LICENSED No. 29907 PROFESSIONAL ENGINEER JOSEPH R. MONCRIEF

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Sheet Description

SITE PLAN

Sheet Number

C1.0

3 OF 40

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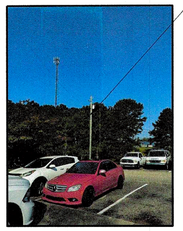
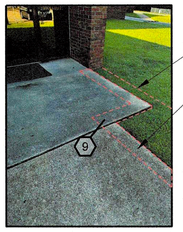


ALABAMA POWER SERVICE POLE (SEE ELECTRICAL FOR NEW SERVICE)

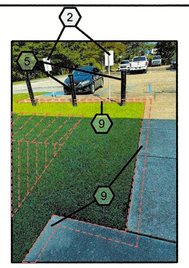
1



UNDERCUT TO 670.69' UNDER DEPRESSED SLAB

LINE OF PROTECTIVE BARRICADE

2



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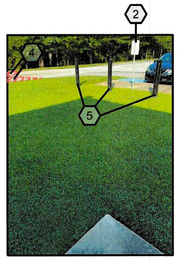

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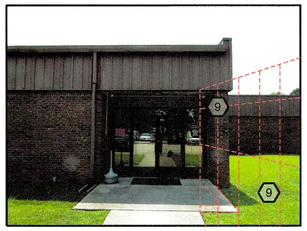

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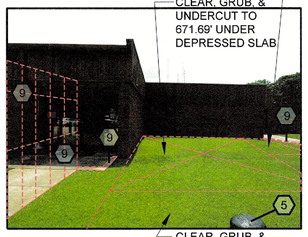
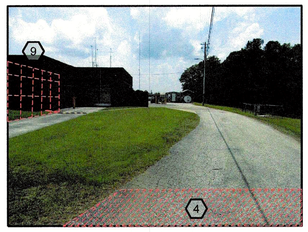


CLEAR, GRUB, & UNDERCUT TO 671.67'

CLEAR, GRUB, & UNDERCUT TO 671.69' UNDER DEPRESSED SLAB

CLEAR, GRUB, & UNDERCUT TO 671.67'

6



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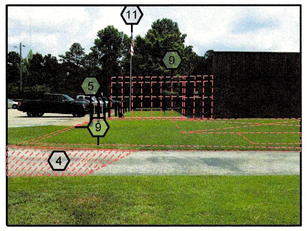

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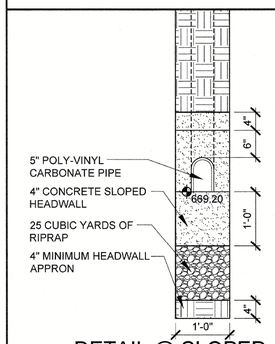
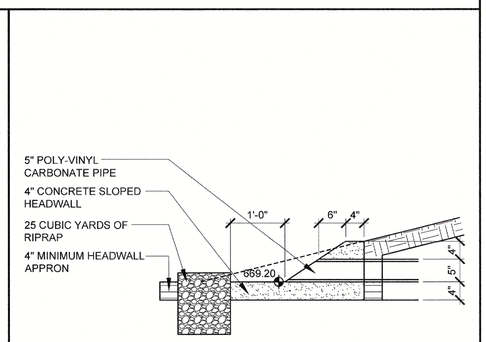


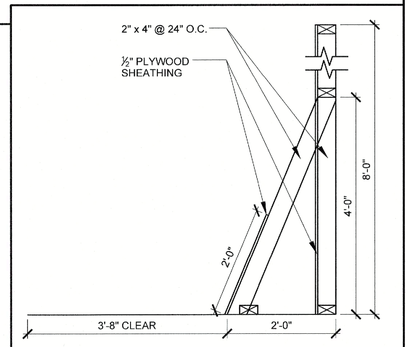
DETAIL @ SLOPED HEADWALL @ FOOTING DRAIN TILE (TOP VIEW)

1 C1.1 SCALE: 3/4" = 1'-0"



DETAIL @ SLOPED HEADWALL @ FOOTING DRAIN TILE

2 C1.1 SCALE: 3/4" = 1'-0"



DETAIL @ TEMPORARY ENTRY BARACADE

3 C1.1 SCALE: 3/4" = 1'-0"

PRINTED: 1/8/2026 @ 1:13PM

FILE NAME: W:\JMRH Projects 2025\25-1465 Tallaposa Co E911\SITE.dwg

SITE AND LANDSCAPING CONSTRUCTION GENERAL NOTES:

1. THE 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.UTILITY COMPANIES MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF DADEVILLE / ALDOT REGULATORY AGENCY.
2. MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF DADEVILLE / ALDOT REGULATORY AGENCY.
3. THE CONTRACTOR SHALL REVIEW SOIL REPORTS AND BORINGS PRIOR TO BIDDING THE PROJECT AND COMMENCING CONSTRUCTION. NOTE: UNDERCUT TO 670.69 UNDER DEPRESSED SLAB AS SHOWN AS DOCUMENTS.
4. 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.
5. REFER TO ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR BUILDING DIMENSIONS, & UTILITY ENTRANCES.
6. THE 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.
7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
8. ALL WORK AND MATERIAL SHALL COMPLY WITH ALL CITY OF DADEVILLE / ALDOT REGULATORY AGENCY'S REGULATIONS AND CODES AND OSHA STANDARDS.
9. PRIOR TO ANY WORK ON-SITE, THE CONTRACTOR SHALL CONTACT THE ONE CALL SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY REMOVALS. IF APPLICABLE, WHETHER LOCATED BY THE ONE CALL SYSTEM OR NOT.
10. NOTE: CITY OF DAEVILE PERMITS COST IS WAIVED FOR THIS PROJECT.

EROSION CONTROL NOTES:

1. PRIOR TO CONSTRUCTION, THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE SITE 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. SILT FENCES SHALL BE CLEANED OR REPLACED WHEN TRAPPED SEDIMENT REACHES 50 PERCENT OF THE ABOVE GROUND FENCE HEIGHT OR PER MANUFACTURER'S SPECIFICATIONS.
3. SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED ON A WEEKLY BASIS AND REPAIRED, ADJUSTED AND MAINTAINED AS NEEDED OR REQUIRED 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.
4. ALL EROSION CONTROL MEASURES EXCEPT ANY 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.
5. ADDITIONAL DEVICES MAY BE REQUIRED AS DEEMED NECESSARY BY A/E.
6. 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 AS SHOWN ON DRAWINGS.
7. 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.
8. THE GENERAL CONTRACTOR AND THE GRADING CONTRACTOR SHALL REVIEW THEIR PROPOSED GRADING SEQUENCE TO INSURE THAT THE LEAST AMOUNT OF LAND POSSIBLE AT ANY ONE TIME IS DISTURBED WITH OUT PERMANENT STABILIZATION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE COMPLIANCE WITH ALL PERMIT REQUIREMENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, INSPECTION REQUIREMENTS.
10. NOTE: THE CITY OF DADEVILLE BUILDING PERMIT WILL BE WAIVED FOR THIS PROJECT.

GENERAL DEMOLITION NOTES & SPECIFICATIONS:

1. THE CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING UTILITIES PRIOR TO DEMOLITION AND EXCAVATION
2. THE CONTRACTOR IS RESPONSIBLE TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS IN THE REMOVAL/DEMOLITION OF HAZARDOUS MATERIALS.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL REGISTRATIONS, PERMITS, AND FEES REQUIRED TO REMOVE AND PROPERLY DISPOSE OF ALL MATERIALS.
4. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVALS AND NOTIFICATIONS TO ALL LOCAL, STATE AND FEDERAL AUTHORITIES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION OF THE UTILITY SERVICES TO ANY 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.
6. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES. THERE WILL BE A 1500.00 AIDE TO CONSTRUCTION COST FOR THIS PRODUCT FROM ALABAMA POWER COMPANY. IT WILL BE PAID DIRECT BY THE OWNER.
7. 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 LOADING FOR REMOVAL FROM SITE THE DEBRIS ONTO COUNTY TRUCKS.
8. 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.
9. ALL EXISTING UTILITIES ARE TO BE REMOVED, TERMINATED AND CAPPED AS SHOWN.
10. ALL EXISTING SERVICE LINES FOR TELEPHONE, ELECTRIC, SEWER, AND CABLE TELEVISION SERVICES ARE TO BE REMOVED TO EXISTING TRUNK LINES UNLESS OTHERWISE NOTED.
11. ALL EXISTING LIGHT POLES LOCATED ON-SITE SHALL BE DEMOLISHED AND REMOVED UNLESS OTHERWISE NOTED.
12. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INVOLVED IN THE REMOVAL OR RELOCATION OF ANY UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH APPLICABLE UNTILITY COMPANIES.
13. 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.
14. 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.
15. THE CONTRACTOR IS RESPONSIBLE FOR WALKING SITE AND DETERMINING EXTENTS OF DEMOLITION WORK PRIOR TO BID DATE.
16. THE CONTRACTOR SHALL COORDINATE FOR ELECTRICAL SERVICES ON-SITE WITH THE POWER COMPANY. POWER COMPANY IS RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF EXISTING SERVICES UNLESS OTHERWISE NOTED.
17. LIMITS OF PAVEMENT SHOWN TO BE REMOVED ARE APPROXIMATE AND FOR REFERENCE ONLY. THE CONTRACTOR SHALL FIELD VERIFY THE LIMITS OF PAVEMENT TO DETERMINE THE EXTENT OF THE EXISTING PAVEMENT TO BE REMOVED.
18. 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.
19. CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.
20. THE CONTRACTOR IS TO MAINTAIN AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING DEMOLITION OPERATIONS.
21. REMOVE DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS WITHIN LOADING THE COUNTY TRUCKS FOR HAUL OFF.
22. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. COORDINATE WITH OWNER FOR REMOVAL BY COUNTY TRUCKS.
23. DO NOT BURN DEMOLISHED MATERIALS.
24. IT IS UNDERSTOOD THAT ALL ABOVE GROUND ITEMS TO BE REMOVED INCLUDE THEIR ASSOCIATED BELOW GROUND COMPONENTS (I.E. FOUNDATIONS, UTILITY CONNECTIONS, ETC.)
25. ALL TREES INSIDE THE LIMITS OF DISTURBANCE ARE TO BE REMOVED UNLESS NOTED OTHERWISE.
26. 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, ETC., AS REQUIRED FOR ALL SITE IMPROVEMENTS. ALL WORK SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
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 ARCHITECT OR ENGINEERS 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. THE 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, GAS, SANITARY SEWER, STORM SEWER, ELECTRICAL CONDUIT, 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. THE CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.
7. THE CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT.

DIMENSION NOTES:

1. ALL DIMENSIONS SHOWN TO BUILDING ARE TO FACE OF STRUCTURAL FOUNDATIONS.
2. ALL CURB DIMENSIONS ARE TO THE FACE OF GUTTER OF CURB UNLESS OTHERWISE NOTED.

PAVING , CONCRETE & CRUSHED STONE PAVING:

1. NOTIFY A/E THREE (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 AND THE SAME TESTING COST WILL BE BY GENERAL CONTRACTOR.
3. SEE MEP PLANS PRIOR TO PAVING / PATCHING FOR LOCATION OF PROPOSED SLEEVING AND CONDUITS. EXTRA CONDUIT SHALL BE PLACED UNDER DRIVEWAYS FOR FUTURE USE.
4. ALL DISCREPANCIES FOUND BY CONTRACTOR RELATED TO UNDERGROUND UTILITIES OR OTHER APPURTENANCES SHALL BE RESOLVED TO THE SATISFACTION OF A/E PRIOR TO PLACEMENT OF ANY PAVING. THE CONTRACTOR TO ENSURE POSITIVE DRAINAGE FROM THE PROPOSED BUILDINGS AND NO PONDING IN SUBGRADE OF AREAS TO BE PAVED AND NOTIFY A/E IF ANY DISCREPANCIES ARE FOUND PRIOR TO INSTALLATION OF ANY PAVING.
5. 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.
6. ALL JOINTS SHALL EXTEND THROUGH THE CURB.
7. COMPACTION SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
8. ALL PAVEMENT TO BE SLOPED FOR POSITIVE DRAINAGE.

GRADING PLAN NOTES:

1. EXISTING CONTOURS INTERVAL IS SHOWN AT TWO FEET (2')
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY A/E OF ANY UTILITY CONFLICTS WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
4. THE 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. THE 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. THE 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, SOD, WATER, ETC. THE CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH THE LANDSCAPE PLAN UNTIL HEALTHY STAND OF GRASS IS OBTAINED.
9. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
10. THE 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. THE 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. THERE WILL BE NO N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES FOR THIS SITE. SITE IS .69 ACRES.
16. THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING AND FOR ALL NATURAL AND PAVED AREAS.

UTILITY NOTES:

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES (ABOVE AND BELOW GROUND) AS SHOWN ON THE THESE PLANS IS BASED ON RECORD ON EITHER THE VARIOUS UTILITY COMPANIES, VISUAL OBSERVATIONS AT THE SITE, EXISTING SURVEYS AND/OR WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES (ABOVE AND BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST FORTY-EIGHT HOURS (48 HRS) BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
2. THE 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 A/E OF RECORD PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR TO REMOVE OR RELOCATE WHEN APPLICABLE, ALL EXISTING BUILDINGS, FOUNDATIONS, CONNECTING IMPROVEMENTS, DRAINPIPES, 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. THE 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. THE CONTRACTOR SHALL REFER TO PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, AND TELEPHONE. THE 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 OF DADEVILLE UTILITY REQUIREMENTS AS TO LOCATIONS AND SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING EXISTING FACILITIES. THE CONTRACTOR SHALL COORDINATE WITH PLANS, POWER COMPANY, GAS COMPANY, & TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER AND TELEPHONE SERVICE AS SHOWN ON DRAWINGS.
6. THE 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.
7. THE CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ASSURE PROPER DEPTH AND PREVENT ANY CONFLICT OF UTILITIES.
8. 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.
9. THE CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATERTIGHT.
10. THE CONTRACTOR SHALL ON ALL UTILITIES, COORDINATE INSPECTION WITH THE CITY OF DADEVILLE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
11. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND A/E INSPECTING AUTHORITIES.
12. THE SITE CONTRACTOR TO COORDINATE PROPOSED RECONNECTION OF ALL UTILITIES WITH 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 OFTHE CONSTRUCTION PROCESS. THIS INCLUDES FEES INCURRED THROUGH RESCHEDULING OF ANY EQUIPMENT TO ACCOMMODATE.
13. 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.
14. THE CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.
15. GEOTECHNICAL REPORT IS INCLUDED IN THESE DOCUMENTS. ALL GEOTECHNICAL GUIDANCE IN THE REPORT IS A BINDING PART OF THIS CONTRACT.

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STATE OF ALABAMA
J.MICHAEL RUTLAND 2149
TIMOTHY R. HOLMES 3188
REGISTERED ARCHITECT

TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 29507 JOSEPH R. MONCRIEF

CONSTRUCTION DOCUMENTS

Project Number: 25-1465

Date: 8 JANUARY 2026

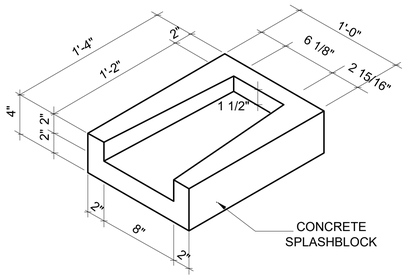
Revisions:

Sheet Description

PHOTOS & DETAILS

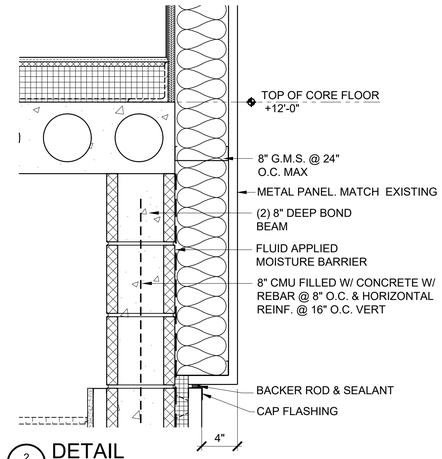
Sheet Number

C1.1



1 A1.1 **CONCRETE SPLASHBLOCK DETAIL**

SCALE: 3" = 1'-0"



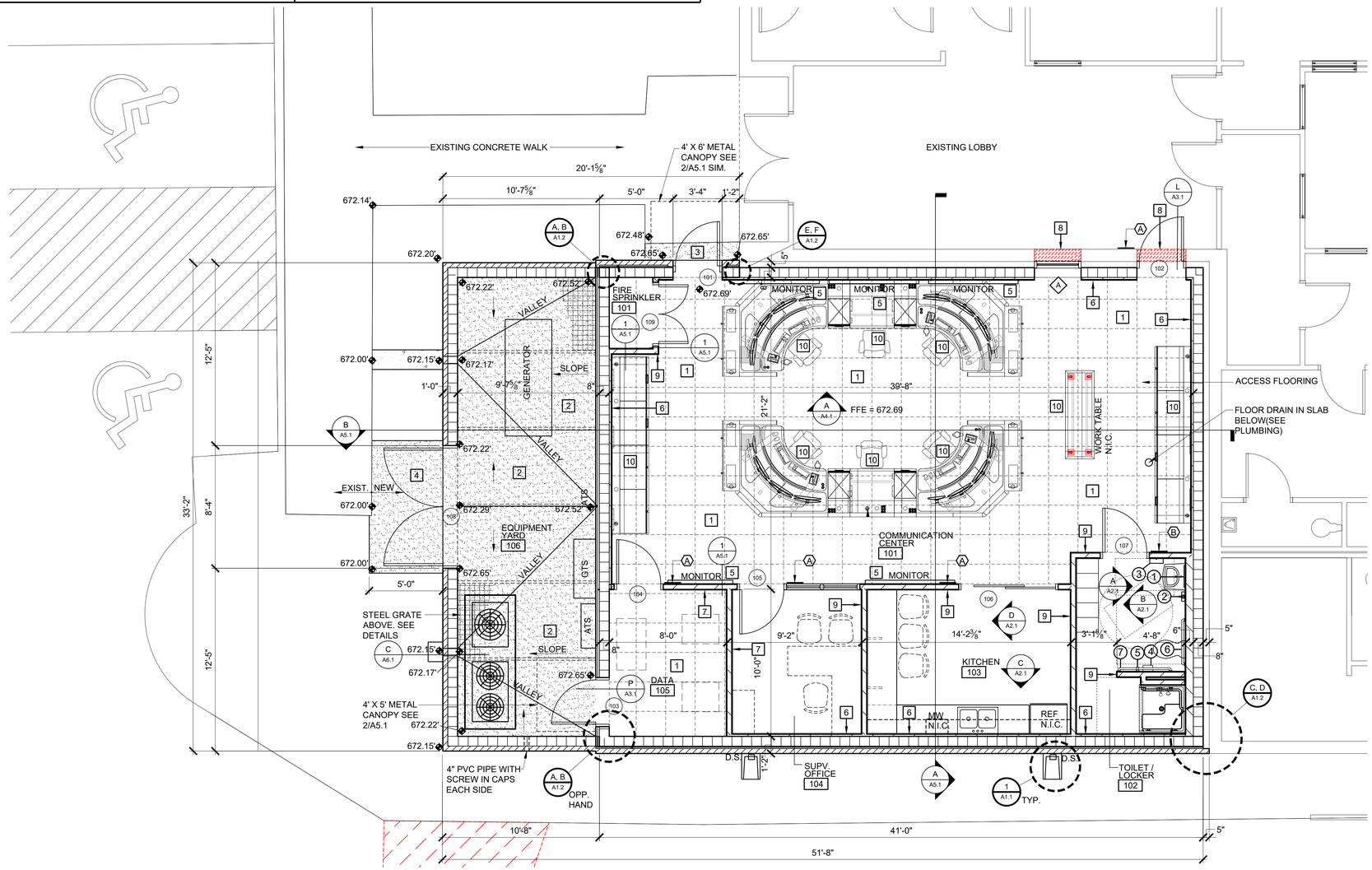
2 A1.1 **DETAIL**

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

TOILET ACCESSORY SCHEDULE

ALL ACCESSORIES TO BE FROM SINGLE MANUFACTURER SERIES. BOBRICK BASIS OF DESIGN

MARK	ITEM DESCRIPTION	MOUNTING HEIGHTS
1	CHANNEL-FRAME MIRROR - BRADLEY - 781-1830	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
2	SURFACE MOUNTED SOAP DISPENSER - BRADLEY - 6542	47" A.F.F. TO TOP OF UNIT
3	SURFACED MOUNTED TOWEL DISPENSER - BRADLEY - 250-15	40" A.F.F. TO BOTTOM OF UNIT
4	SURFACE-MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER BOBRICK - B-288	28" A.F.F TOP OF UNIT
5	18" VERTICAL GRAB BAR	39"-41" A.F.F.
6	36" GRAB BAR	33"-36" A.F.F.
7	42" GRAB BAR	33"-36" A.F.F.



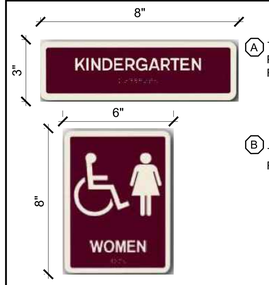
FLOOR PLAN

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

WORK NOTES

1. FURNISH AND INSTALL RAISED COMPUTER FLOORING. SEE SPECS.
2. FURNISH AND INSTALL 4" BROOMED FINISH CONCRETE SLAB. SEE STRUCTURAL FOR REINFORCING. SLOPE TO DRAIN AS INDICATED.
3. FURNISH AND INSTALL 4" BROOMED FINISH CONCRETE WALK. SEE DETAILS. FLUSH W/ EXISTING CONCRETE WALK.
4. FURNISH AND INSTALL 4" BROOMED FINISH CONCRETE STOOP.
5. FURNISH AND INSTALL F.R. PLYWOOD BLOCKING FOR WALL MOUNTED DEVICE.
6. FURNISH AND INSTALL (UNDER ALTERNATE#1) 1 ½" FURRING CHANNELS @ 24" O.C. W/ ⅝" GYP. BOARD. M.R. GYP. BOARD @ WET AREAS. CMU WALL SHALL RECEIVE PAINT IF ALTERNATE IS NOT TAKEN.
7. EXTEND 3 ⅝" STUD W/ ⅝" GYP. BOARD WALL TO UNDERSIDE OF STRUCTURAL CORE FLOOR DECK AND SEAL ALL PENETRATIONS AND JOINTS - SOUND BATTS IN CAVITY.
8. REMOVE PORTION OF EXISTING EXTERIOR WALL AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. SEE STRUCTURAL FOR NEW HEADER DETAILS.
9. FURNISH AND INSTALL 3 ⅝" WALL STUDS W/ ⅝" BYP. BOARD EA. FACE. SOUND BATT IN CAVITY. EXTEND TO UNDERSIDE OF CORE FLOOR DECK. M.R. GYP BOARD @ WET LOCATIONS. (TOILET/ LOCKER 102) SEAL ALL PENETRATIONS
10. FURNITURE/ WORK STATIONS FURNISHED AND INSTALLED BY OWNER. CONTRACTOR SHALL COORDINATE POWER/ DATA W/ MFR/ INSTALLER
11. FURNISH AND INSTALL NEW RE-INFORCED CONCRETE FLUME. MIN. 4" THICK. FLUME TO BE SLOPED AWAY FROM BUILDING AND FLUSH WITH TOP OF EXISTING CONCRETE WALK.
12. FURNISH AND INSTALL NEW BOLLARD TO MATCH EXISTING. COORDINATE FOOTINGS WITH LOCATION AND ROUTING OF ADJACENT WATER LINE. SEE PLUMBING
13. RE-INSTALL EXISTING H.C. PARKING SIGNAGE.
14. 3 ⅝" STUD WALL W/ ⅝" GYP. BOARD EA. SIDE FROM TOP OF RECESSED CONCRETE SLAB TO UNDERSIDE OF STRUCTURAL CORE FLOOR. FIRE/ SMOKE SEAL ALL PENETRATIONS.

SIGNAGE LEGEND



A TYPE "A" - PERMANENT ROOM ID

B TYPE "B" - ADA RESTROOM ID

PLAN LEGEND

- S1 — ALUMINUM STOREFRONT MARK
- 1 — DOOR MARK
- A — HOLLOW METAL MARK
- 205 — ROOM FINISH MARK
- A2.1 — DETAIL OR ELEVATION NUMBER / SHEET NUMBER
- A2.1 — ELEVATION KEY
- A2.1 — SECTION KEY
- A2.1 — DETAIL KEY
- A2.1 — PLAN OR SECTION ENLARGEMENT
- STEEL STUD WALL
- C.M.U. WALL
- 3 — WALL TYPE
- FIRE EXT. CABINET

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TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description

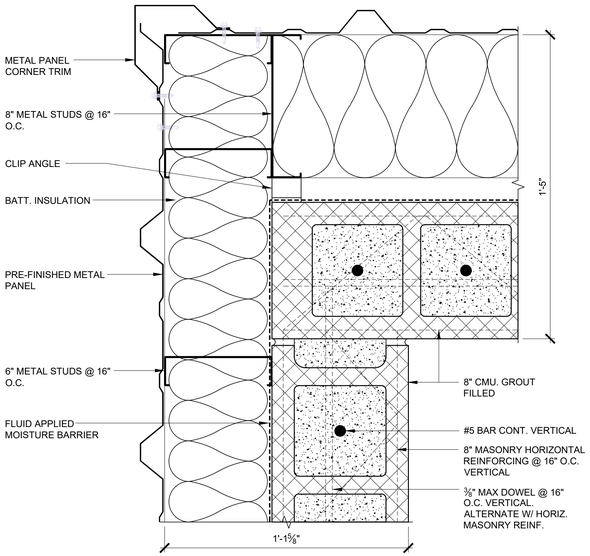
FLOOR PLAN

Sheet Number

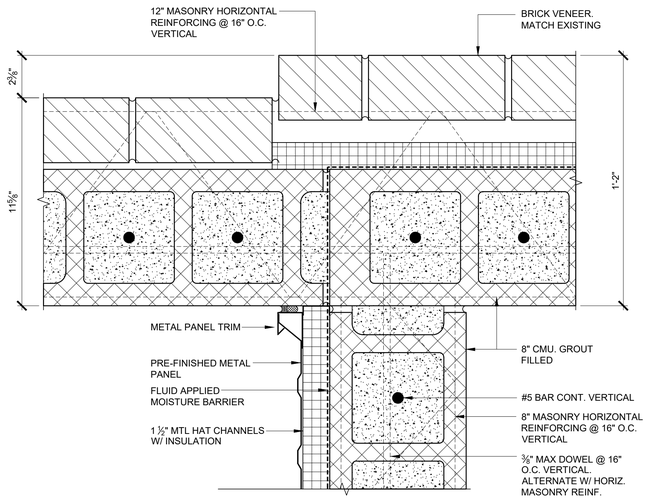
A1.1

PRINTED: 1/8/2026 @ 9:04AM

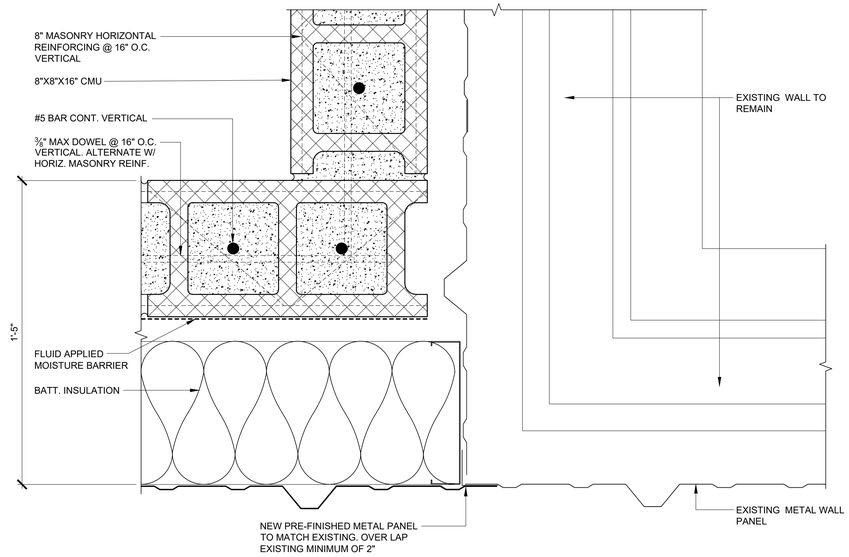
FILE NAME: W:\JMRH Projects 2025\25-1465 Tallapoosa Co E911\A1.1 Floor Plan Option 2.dwg



A A1.2 PLAN DETAIL - HIGH
SCALE: 3"=1'-0"



B A1.2 PLAN DETAIL - LOW
SCALE: 3"=1'-0"



C A1.2 PLAN DETAIL - HIGH
SCALE: 3"=1'-0"

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DADEVILLE, AL

D A1.2 PLAN DETAIL - LOW
SCALE: 3"=1'-0"

E A1.2 PLAN DETAIL - HIGH
SCALE: 3"=1'-0"

F A1.2 PLAN DETAIL -LOW
SCALE: 3"=1'-0"

CONSTRUCTION DOCUMENTS

Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description

PLAN DETAILS

Sheet Number

A1.2

PRINTED: 1/7/2026 @ 2:32PM

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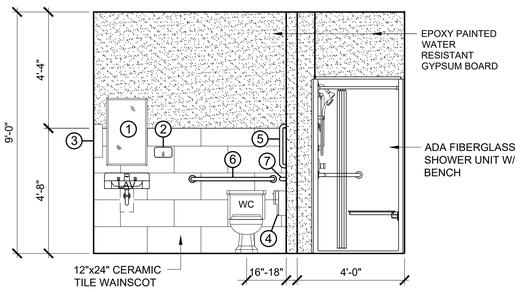

A A2.1 TOILET/ LOCKER 102
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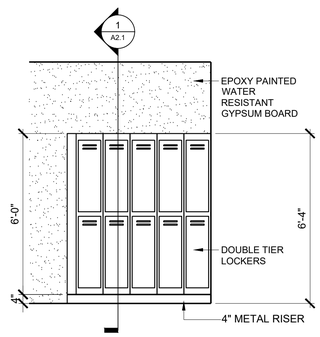

B A2.1 TOILET/ LOCKER 102
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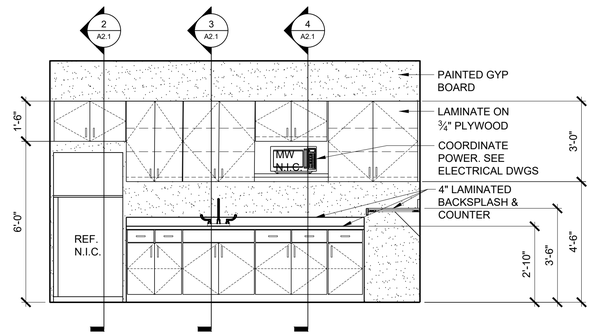

C A2.1 KITCHEN 103
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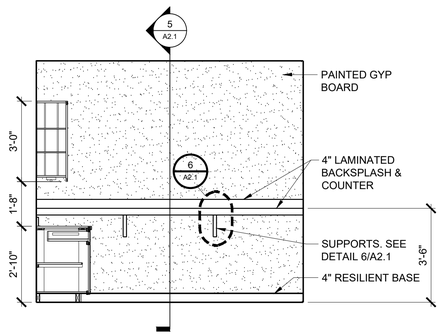


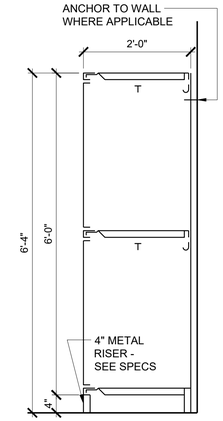
D A2.1 KITCHEN 103
SCALE: 3/8"=1'-0"

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOORS	BASE	MILLWORK	WEST WALL	NORTH WALL	EAST WALL	SOUTH WALL	CEILINGS	HEIGHT	REMARKS
101	COMMINICATION CENTER	HPL-1	RB-1	-	CMU-2	CMU-2	CMU-2	GWB-1	ACT-1/GWB-1	7'-2" / 9'-0"	
102	TOILET/ LOCKER	CT-1	CB-1	-	GWB-2	GWB-2	GWB-2/ CWT-1	GWB-2	GWB-1	9'-0"	
103	KITCHEN	LVT-1	RB-1	L-1/L-2	GWB-1	GWB-1	GWB-1	CMU-2	ACT-2	9'-0"	
104	SUPERVISERS OFFICE	LVT-2	RB-1	-	GWB-1	GWB-1	GWB-1	CMU-2	ACT-1	9'-0"	
105	DATA	HPL-1	RB-1	-	GWB-1	GWB-1	GWB-1	CMU-2	EXPOSED	11'-4"	
106	EQUIPMENT YARD	BF-1	RB-1	-	CMU-1	CMU-1		CMU-1	GLV-1	8'-3"	
107	FIRE SPRINKLER	HPL-1	RB-1	-	CMU-2	CMU-2	GWB-1	GWB-1	EXPOSED	11'-4"	

FINISH LEGEND

SYMBOL	MATERIAL	MANUFACTURER	COLOR	REMARKS
FLOORING				
BF-1	BROOM FINISH CONCRETE			
CT-1	CERAMIC TILE 4'-8" H	DALTILE PORTFOLIO		COLOR TO BE CHOSEN BY ARCHITECT
LVT-1	LUXURY VINYL TILE	TARKETT CENTIVA		COLOR TO BE CHOSEN BY ARCHITECT
LVT-2	LUXURY VINYL TILE	TARKETT CENTIVA		COLOR TO BE CHOSEN BY ARCHITECT
HPL-1	HIGH PRESSURE LAMINATE ACCESS FLOOR			COLOR TO BE CHOSEN BY ARCHITECT
BASE				
RB-1	RUBBER BASE	ROPPE		COLOR TO BE CHOSEN BY ARCHITECT
CB-1	CERAMIC BASE	DALTILE PORTFOLIO		
WALLS				
GWB-1	PAINTED GYPSUM BOARD	SHERWIN WILLIAMS		COLOR TO BE CHOSEN BY ARCHITECT
GWB-2	PAINTED GYPSUM BOARD - EPOXY	SHERWIN WILLIAMS		COLOR TO BE CHOSEN BY ARCHITECT
CWT-1	CERAMIC WALL TILE	DALTILE PORTFOLIO		COLOR TO BE CHOSEN BY ARCHITECT
CMU-1	ELASTOMERIC COATED CMU			
CMU-2	PAINTED CMU			
MILLWORK				
L-1	LAMINATE TOP	FORMICA		COLOR TO BE CHOSEN BY ARCHITECT
L-2	LAMINATE BASE	WILSONART		COLOR TO BE CHOSEN BY ARCHITECT
CEILING				
ACT-1	ACOUSTICAL TILE	ARMSTRONG SCHOOL ZONE FINE FISSURED	WHITE	
ACT-2	VINYL COATED ACOUSTICAL TILE	ARMSTRONG CLEAN ROOM FL		
GLV-1	GALVANIZED SECURE MESH SCREEN			
GWB-1	PAINTED GYPSUM BOARD - EPOXY	SHERWIN WILLIAMS		COLOR TO BE CHOSEN BY ARCHITECT



1 A2.1 LOCKER SECTION
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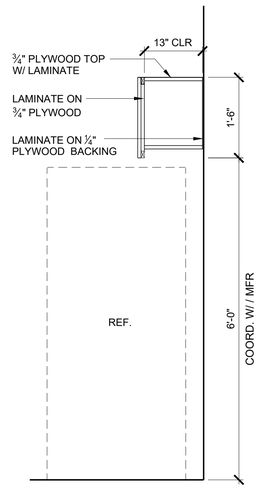

2 A2.1 CABINET SECTION
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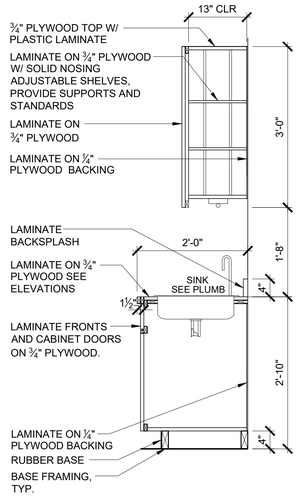

3 A2.1 CABINET SECTION
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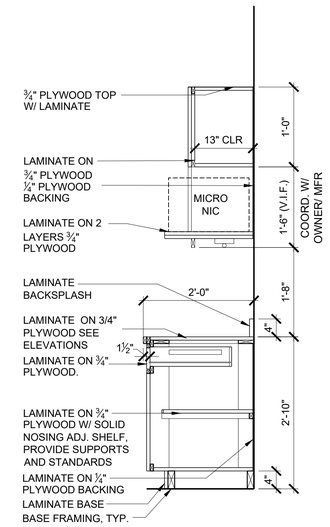

4 A2.1 CABINET SECTION
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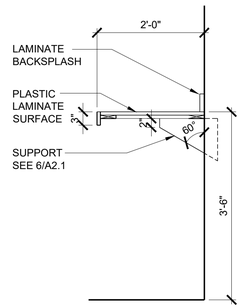
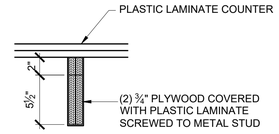


5 A2.1 CABINET SECTION
SCALE:3/4" = 1'-0"



6 A2.1 SECTION
SCALE: 3/8"=1'-0"

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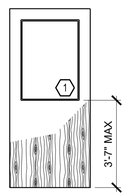
DADEVILLE, AL

CONSTRUCTION DOCUMENTS

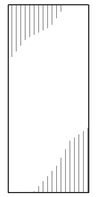
Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description
FINISH SCHEDULE, INTERIOR ELEVATIONS, CABINET SECTIONS

Sheet Number
A2.1

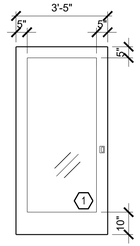


A FLUSH PANEL SOLID WOOD DOOR W/ 26"X36" VISION LIGHT.

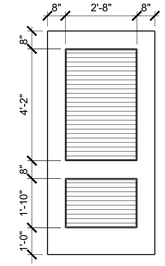


B IMPACT RATED FLUSH PANEL HOLLOW METAL DOOR

C 1¾" FLUSH PANEL WOOD LAMINATE DOOR



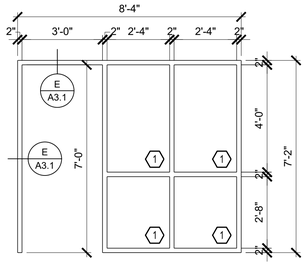
D FLUSH WOOD SLIDING DOOR WITH FULL LITE



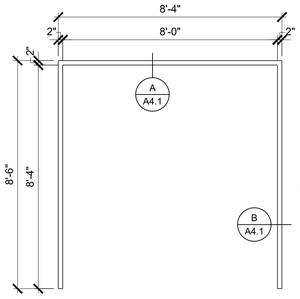
E 2 PANEL LOUVERED DOOR 14 GA. GALVANIZED W/ 14 GA. GALV. LOUVERS

DOOR TYPES

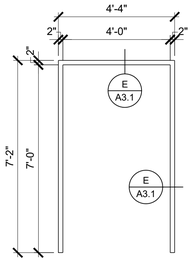
SCALE: 3/8"=1'-0"



4 SINGLE LEAF HOLLOW METAL FRAME WITH SIDE LITES. PRIME AND PAINT



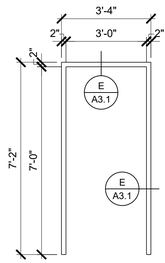
5 12 GA. GALVANIZED DOUBLE LEAF HOLLOW METAL FRAME. PRIME AND PAINT



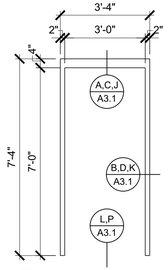
6 DOUBLE LEAF HOLLOW METAL FRAME. PRIME & PAINTED

FRAME TYPES

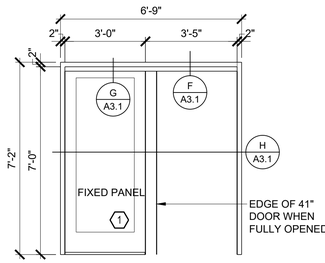
SCALE: 3/8"=1'-0"



1 SINGLE LEAF HOLLOW METAL FRAME. PRIME & PAINTED



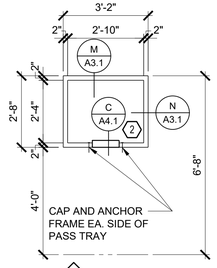
2 SINGLE LEAF HOLLOW METAL FRAME. PRIME & PAINTED



3 HOLLOW METAL WITH SLIDING HARDWARE AND BOTTOM TRACK WITH FIXED SIDE DOOR. PRIME AND PAINT

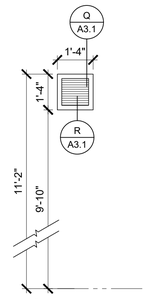
FRAME TYPES

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



A HOLLOW METAL WINDOW SCHEDULE

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



1 LOUVER SCHEDULE

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

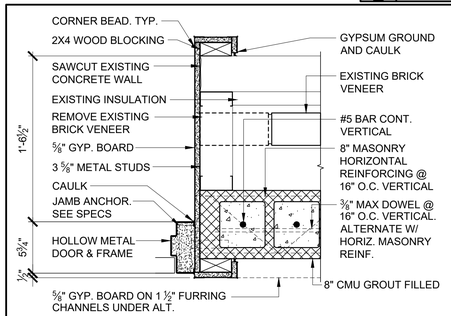
DOOR SCHEDULE

NO.	TYPE	SIZE	FRAME TYPE	HDW SET	LABEL	GLASS TYPE	REMARKS
911 ADDITION							
101	B	3'-0"X7'-0"X1 ¾"	2	101	-----	-----	1, 2, 3, 4
102	C	3'-0"X7'-0"X1 ¾"	2	102	-----	-----	2
103	B	3'-0"X7'-0"X1 ¾"	2	101	-----	-----	1, 2, 3, 4
104	C	3'-0"X7'-0"X1 ¾"	1	105	-----	-----	
105	A	3'-0"X7'-0"X1 ¾"	4	104	-----	1	
106	D	3'-5"X7'-0"X1 ¾"	3	107	-----	1	
107	C	3'-0"X7'-0"X1 ¾"	1	106	-----	-----	
108	E	PR 4'-0"X8'-4"	5	103	-----	-----	1, 3, 4
109	C	PR. 2'-0"X7'-0"X1 ¾"	6	108	-----	-----	

REMARKS

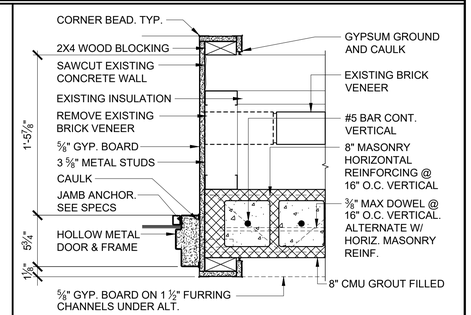
1	THIS DOOR AND FRAME SHALL BE RATED FOR BULLET RESISTANCE TO LEVEL 4 AS DEFINED IN ANSI/ UL 752
2	THIS OPENING SHALL HAVE ACCESS CONTROL. CONTRACTOR SHALL FURNISH AND INSTALL HARDWARE AS SPECIFIED. ALL CONNECTIONS & INTEGRATION SHALL BE PROVIDED BY OWNER
3	ALL HOLLOW METAL DOOR & FRAME PARTS THIS OPENING SHALL BE "PAINT GRIP " GALVANIZED, PRIMED AND PAINTED. SEE SPECS
4	THIS DOOR AND FRAME TO BE 14 GA.. DOOR SHALL HAVE 20 GA. HAT SECTION STIFFENERS

MARK	GLAZING TYPE
1	¼" CLEAR GLASS/ TEMPERED
2	LEVEL 4 BULLET RESISTANT POLYCARBONATE GLAZING. SEE SPCS



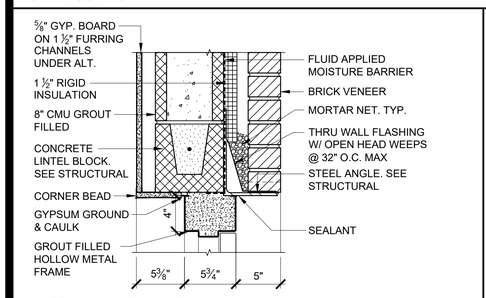
K A3.1 JAMB DETAIL

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



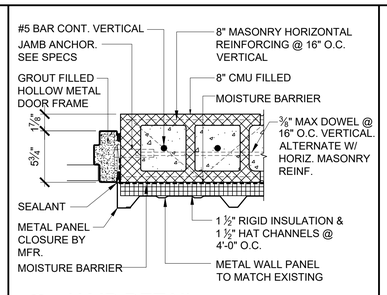
N A3.1 JAMB DETAIL

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



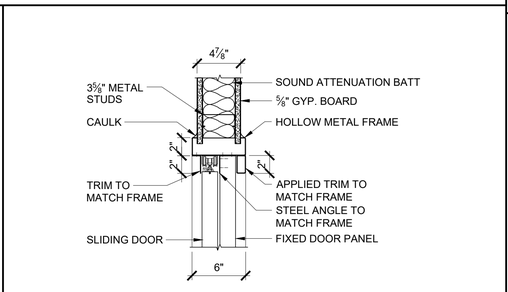
A A3.1 HEAD DETAIL

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



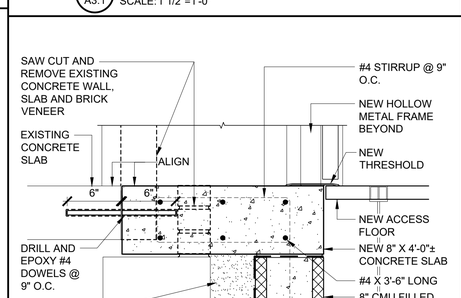
D A3.1 JAMB DETAIL

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



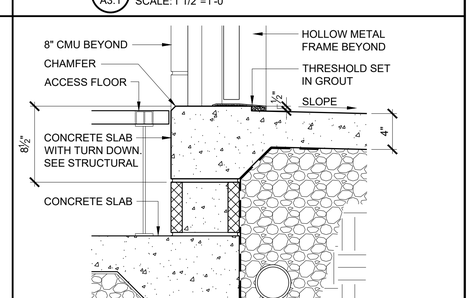
G A3.1 HEAD @ FIXED PANEL

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



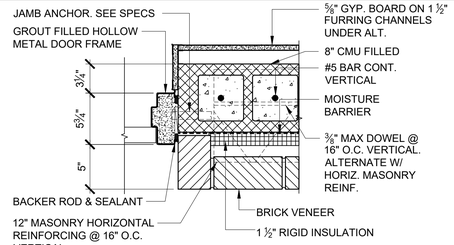
L A3.1 SILL DETAIL

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



P A3.1 SILL DETAIL

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



B A3.1 JAMB DETAIL

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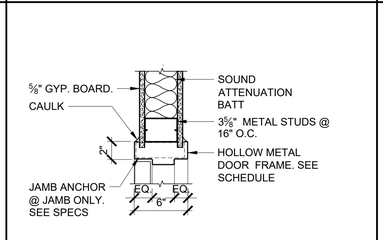
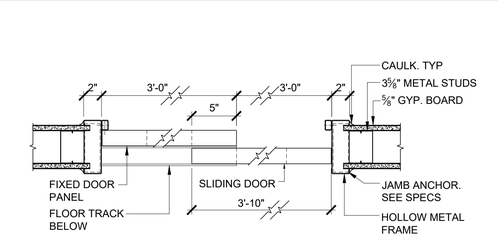


E A3.1 HEAD/ JAMB DETAIL

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



H A3.1 PLAN DETAIL @ BYPASS DOOR

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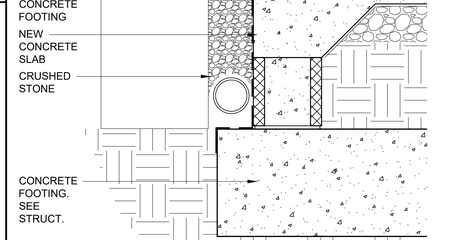
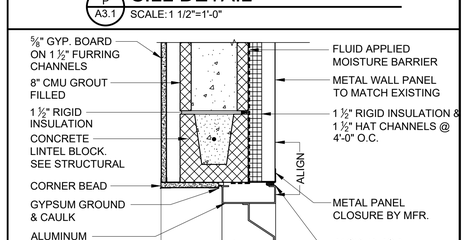


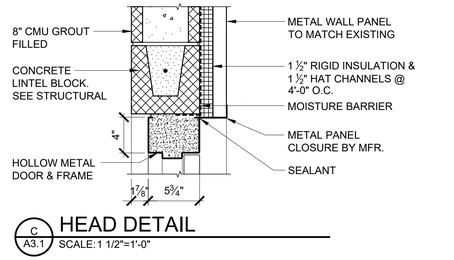
M A3.1 HEAD DETAIL

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



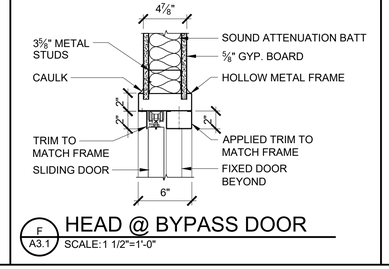
Q A3.1 HEAD DETAIL

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



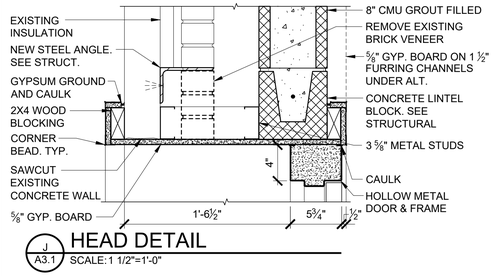
C A3.1 HEAD DETAIL

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



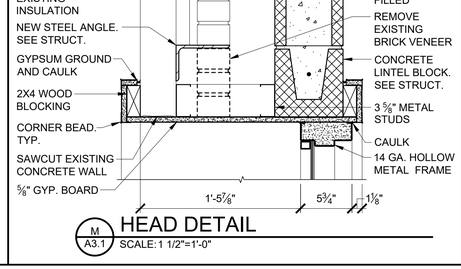
F A3.1 HEAD @ BYPASS DOOR

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



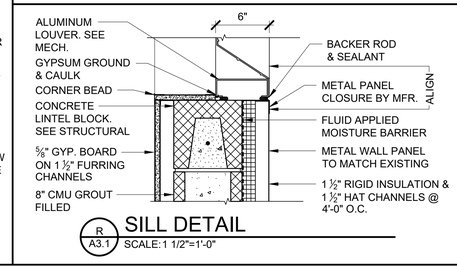
J A3.1 HEAD DETAIL

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



M A3.1 HEAD DETAIL

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



R A3.1 SILL DETAIL

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

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TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

Project Number: 25-1465

Date: 8 JANUARY 2026

Revisions:

Sheet Description

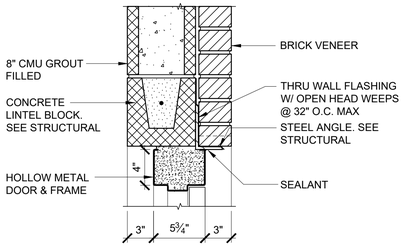
DOOR SCHEDULE/ DETAILS

Sheet Number

A3.1

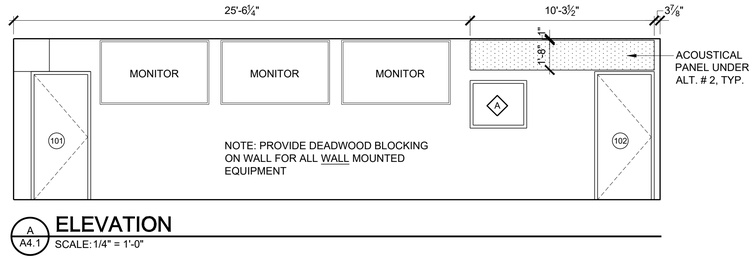
PRINTED: 1/8/2026 @ 9:08AM

FILE NAME: W:\JMRH Projects 2025\25-1465 Tallapoosa Co E911\A3.1 - door schedule.dwg



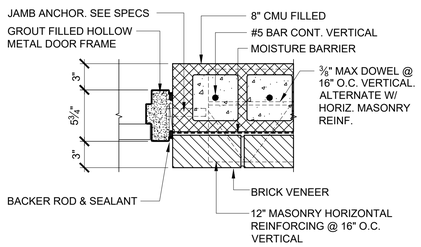
A A4.1 HEAD DETAIL - GATE

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



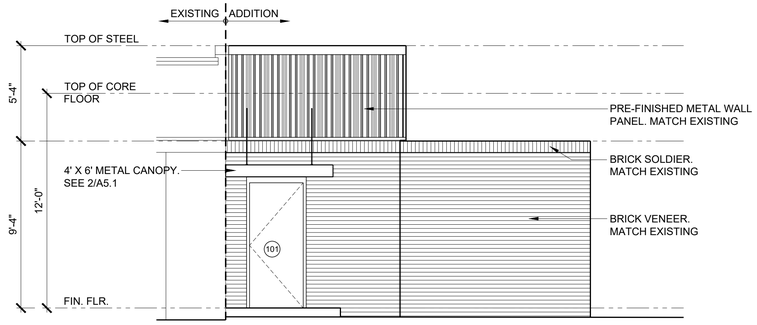
A A4.1 ELEVATION

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



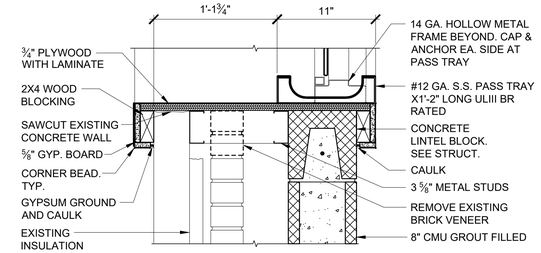
B A4.1 JAMB DETAIL - GATE

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



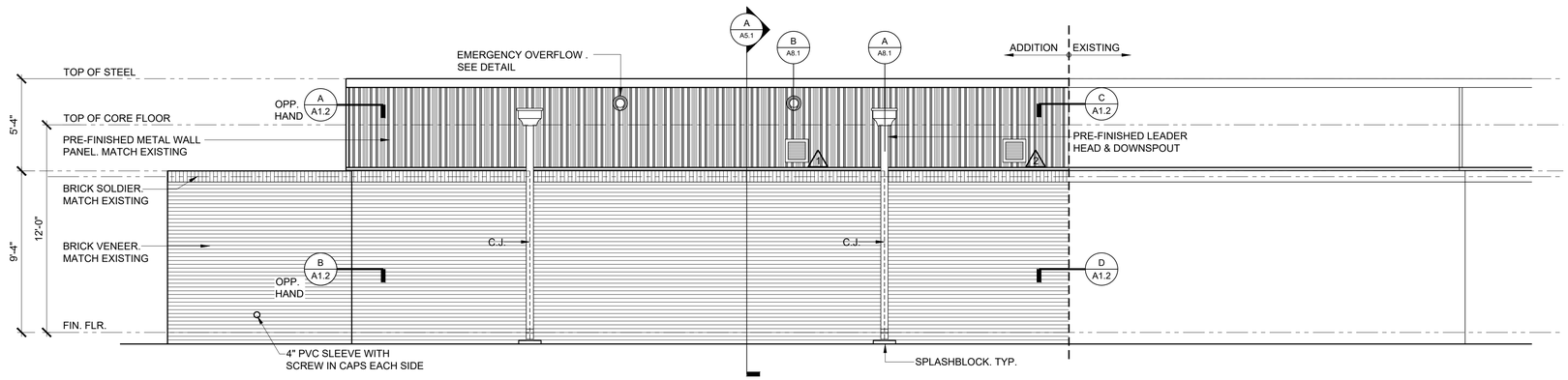
NORTH ELEVATION

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



C A4.1 SILL DETAIL

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



SOUTH ELEVATION

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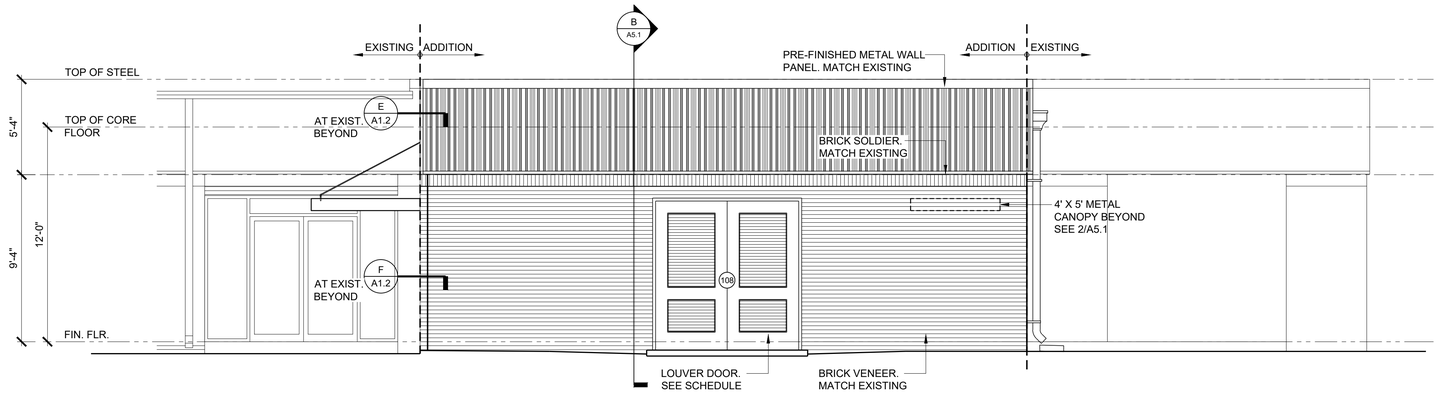

WEST ELEVATION

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

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CONSTRUCTION DOCUMENTS

Project Number: 25-1465
Date: 8 JANUARY 2026
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Sheet Description

EXTERIOR ELEVATIONS

Sheet Number

A4.1

PRINTED: 1/8/2026 @ 9:06AM

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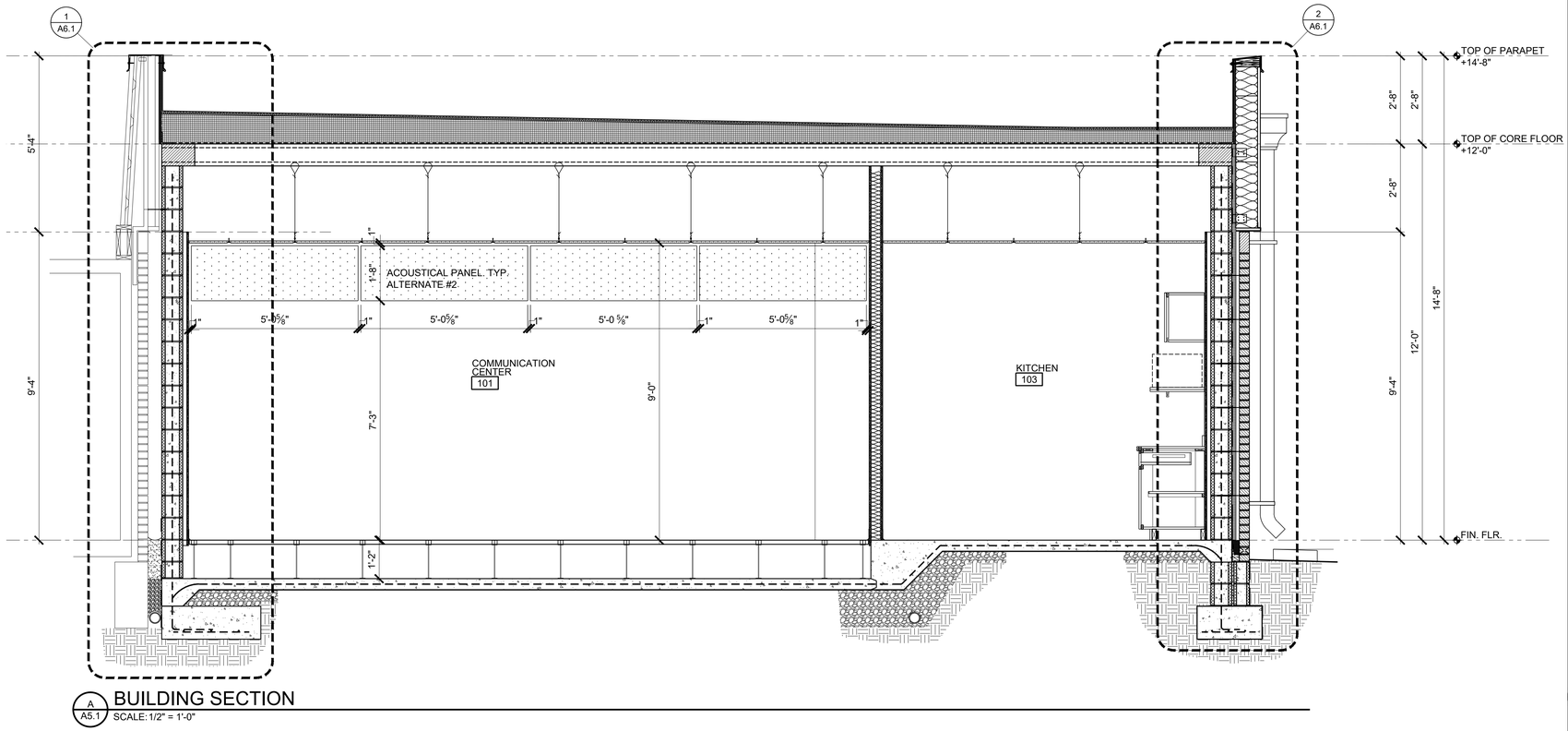
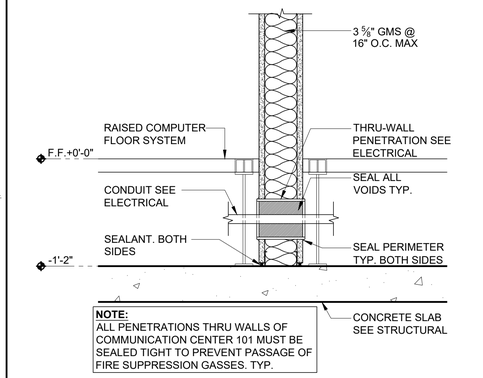
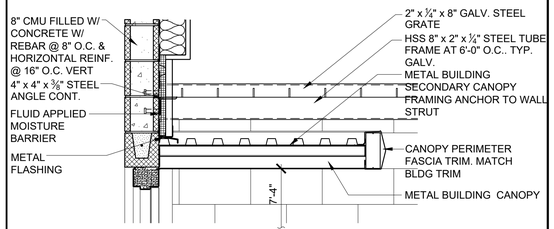


A A5.1 BUILDING SECTION
SCALE: 1/2" = 1'-0"



1 A5.1 WALL DETAIL
SCALE: 1 1/2" = 1'- 0"



2 A5.1 METAL CANOPY SECTION
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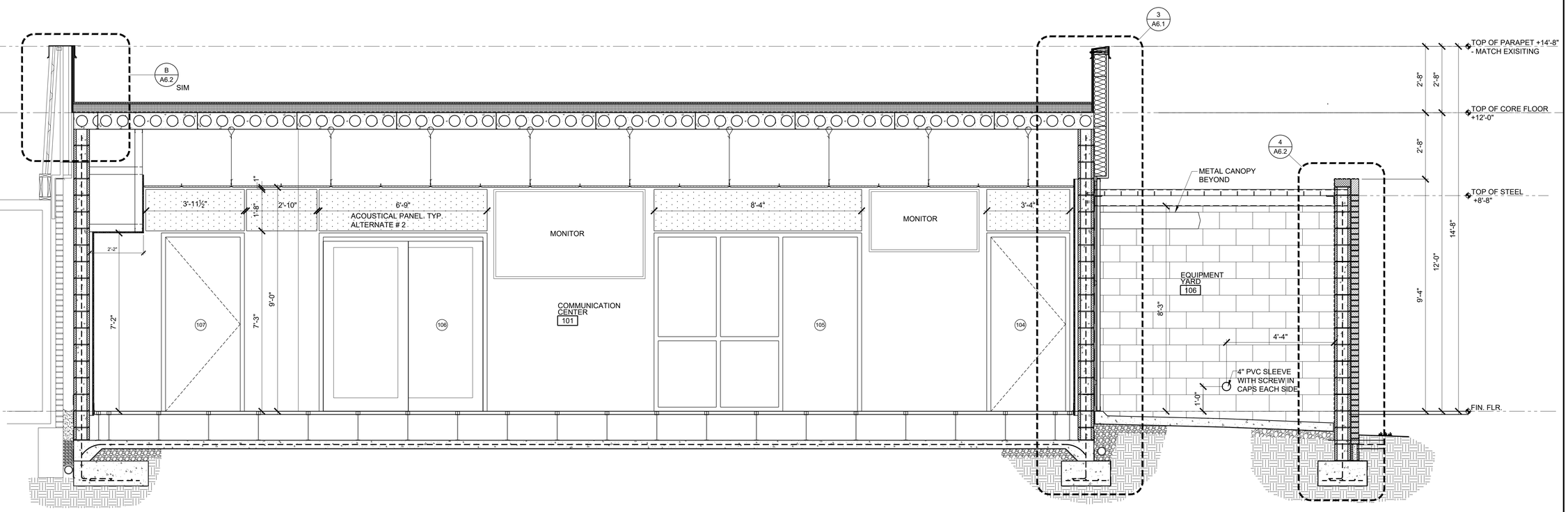

B A5.1 BUILDING SECTION
SCALE: 1/2" = 1'-0"

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CONSTRUCTION DOCUMENTS

Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description

BUILDING SECTIONS

Sheet Number

A5.1

PRINTED: 1/8/2026 @ 9:13AM

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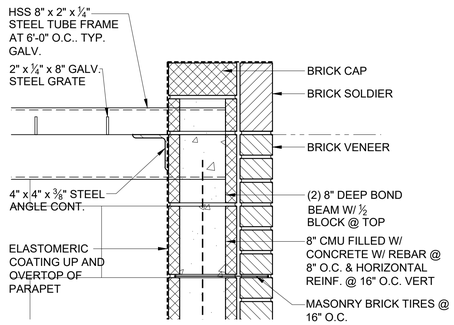
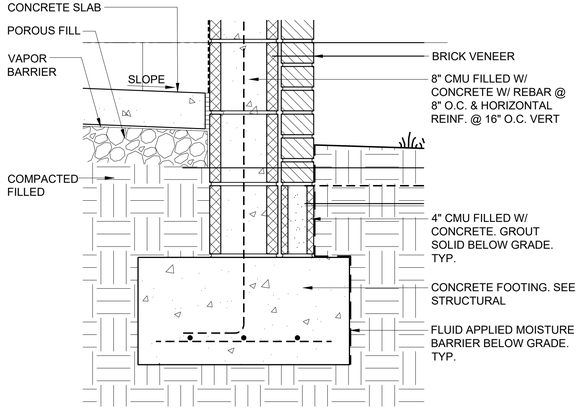


A A6.1 DETAIL
SCALE:1 1/2" = 1'-0"



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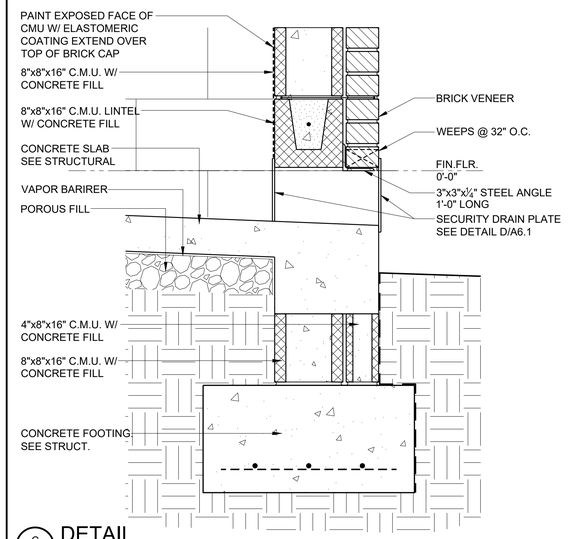
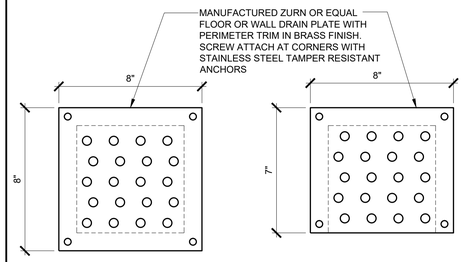


C A6.1 DETAIL
SCALE:1 1/2" = 1'-0"



D A6.1 DETAIL @ WALL DRAIN
SCALE:3" = 1'-0"

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DADEVILLE, AL

CONSTRUCTION DOCUMENTS

Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description

WALL SECTIONS

Sheet Number

A6.1

1 A6.1 WALL SECTION
SCALE:3/4" = 1'-0"

2 A6.1 WALL SECTION
SCALE:3/4" = 1'-0"

3 A6.1 WALL SECTION
SCALE:3/4" = 1'-0"

PRINTED: 1/8/2026 @ 9:15AM

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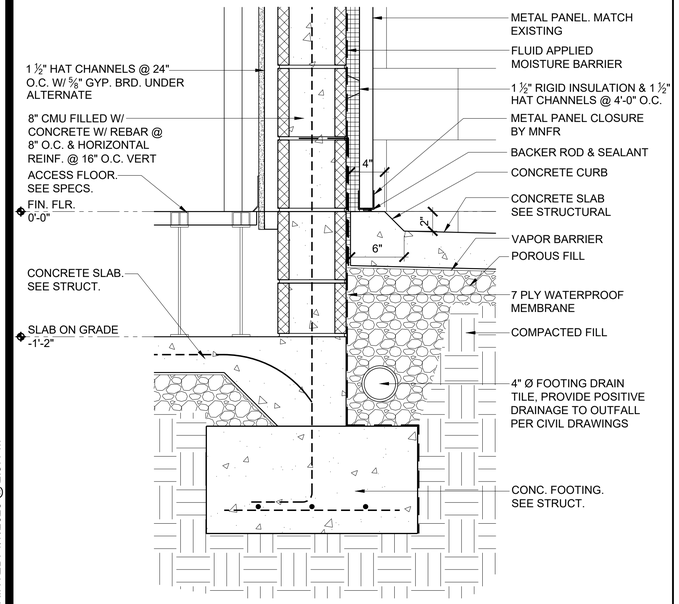

A A6.2 DETAIL
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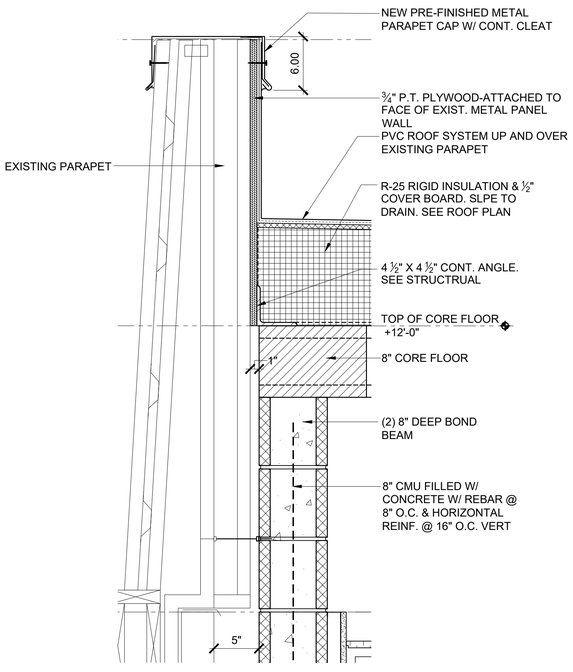
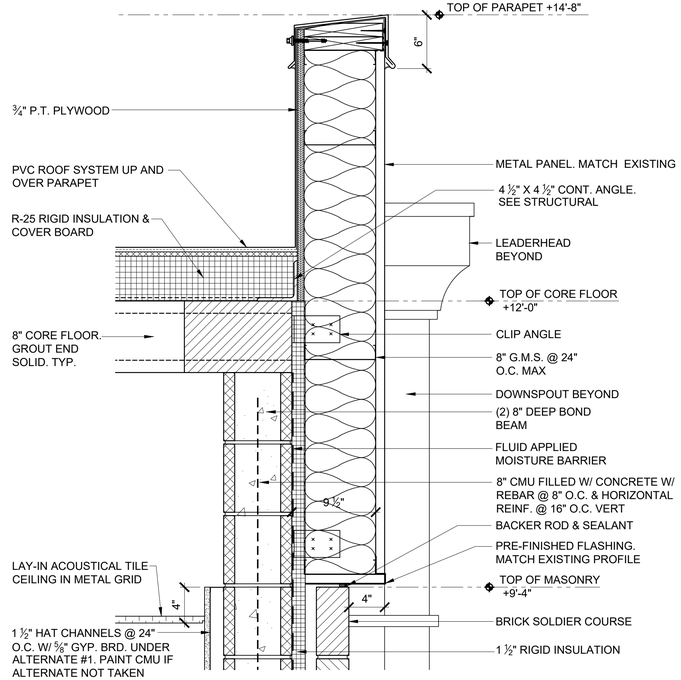


B A6.2 DETAIL
SCALE: 1 1/2" = 1'-0"



D A6.2 DETAIL
SCALE: 1 1/2" = 1'-0"

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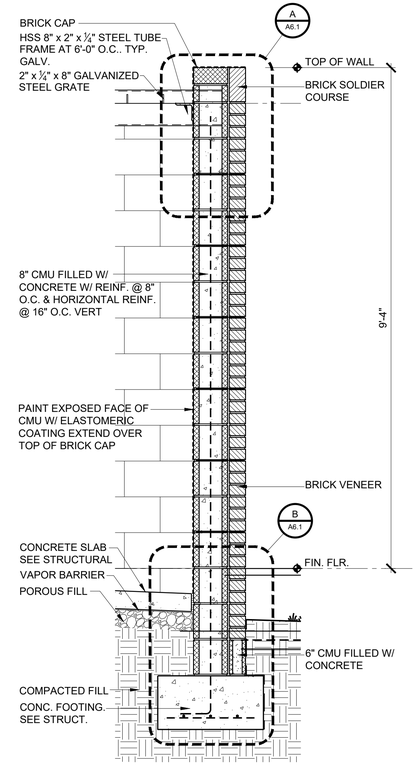
DADEVILLE, AL



4 A6.2 WALL SECTION
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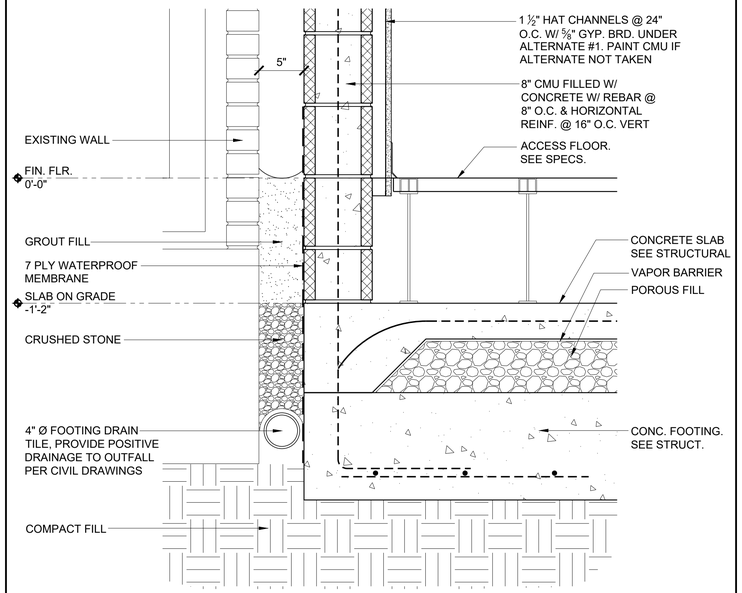

C A6.2 DETAIL
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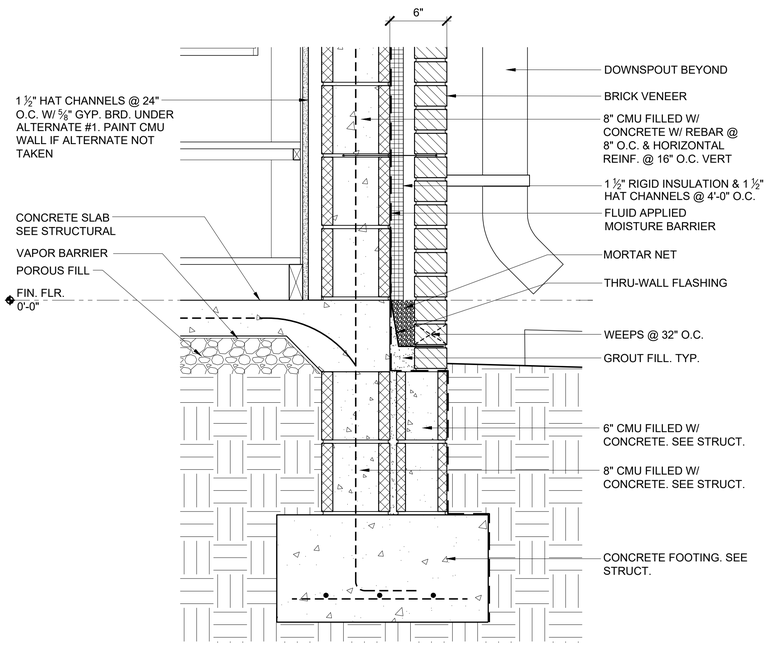


E A6.2 DETAIL
SCALE: 1 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS

Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description

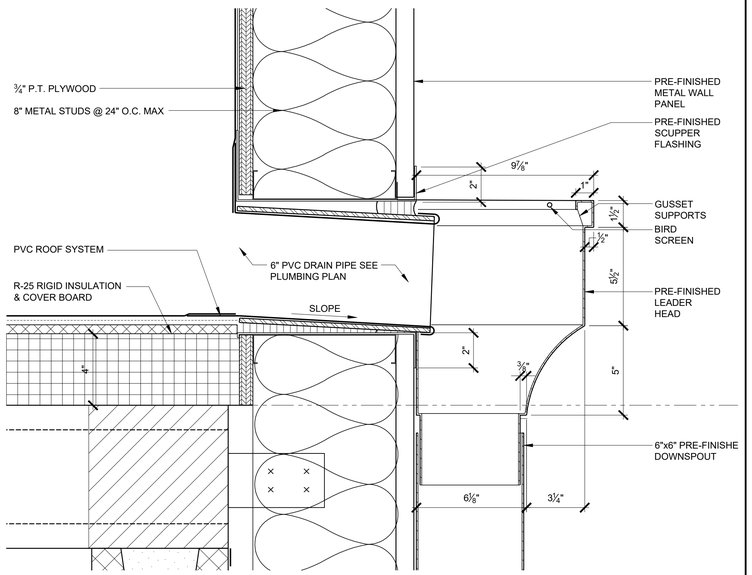
WALL SECTIONS AND DETAILS

Sheet Number

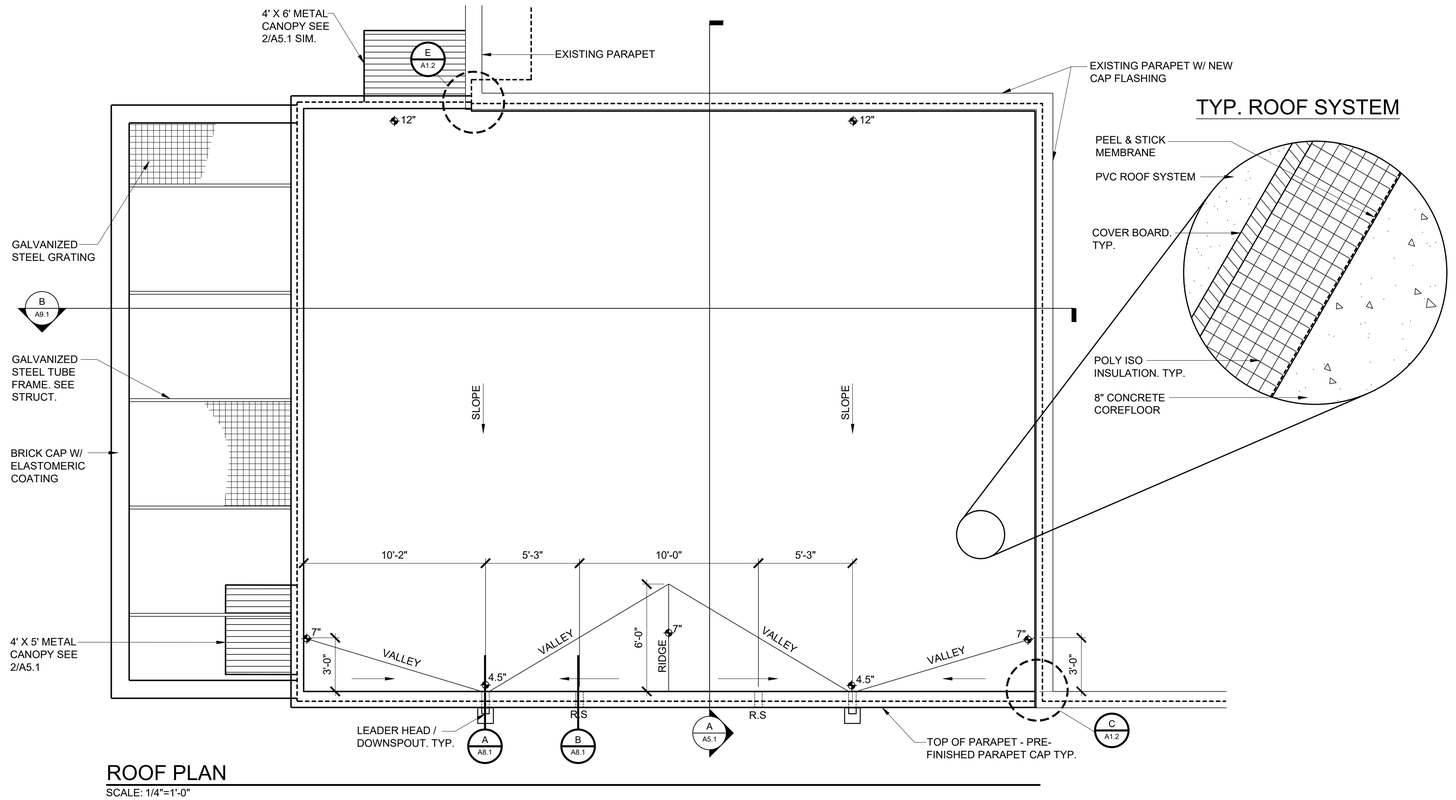
A6.2

PRINTED: 1/7/2026 @ 2:37PM

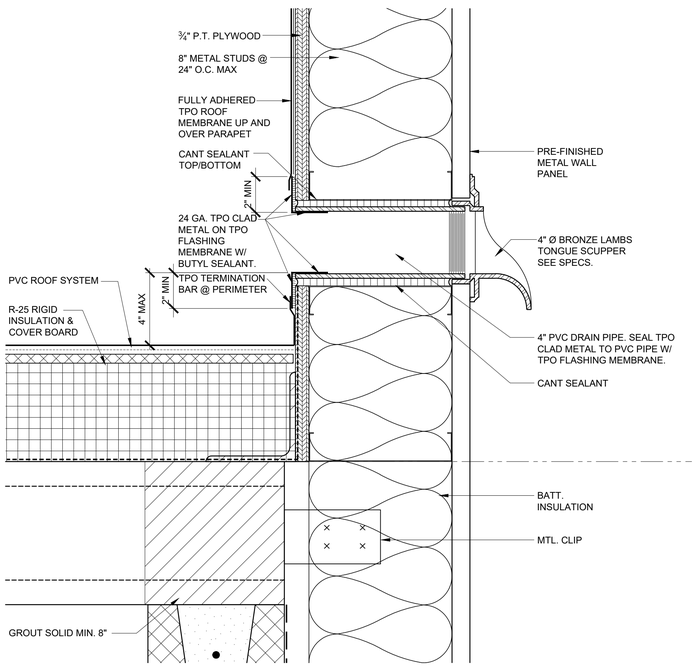
FILE NAME: W:\JMRH Projects 2025\25-1465 Tallapoosa Co E911\Wall Sections.dwg



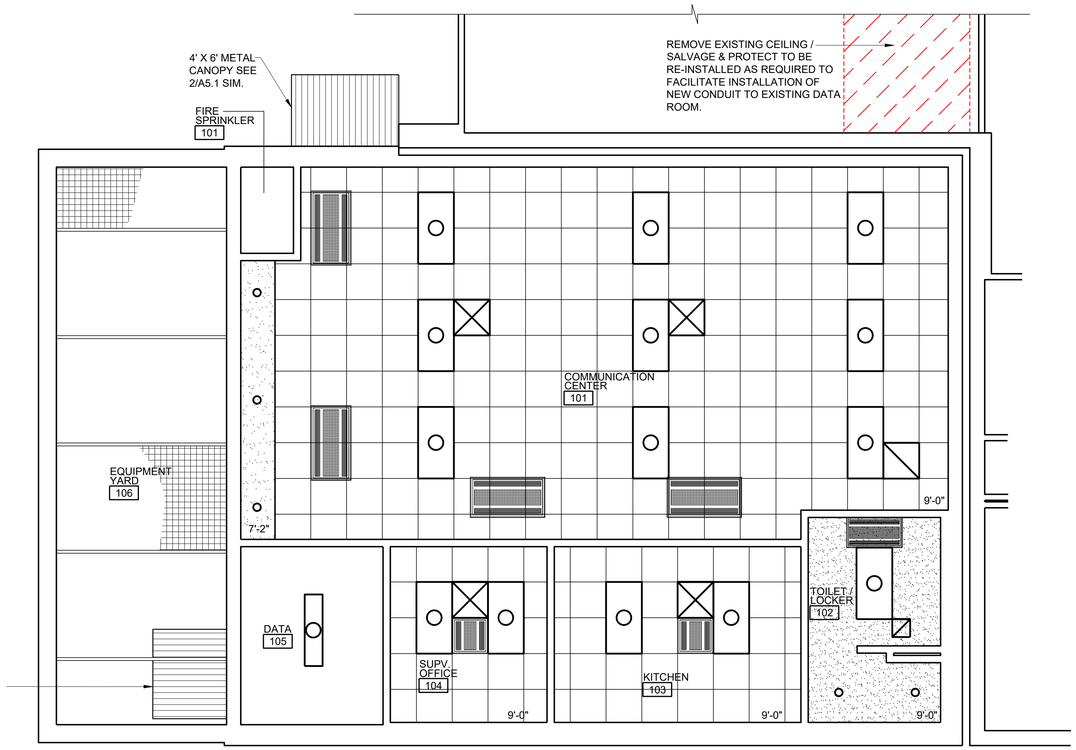
A A8.1 SCUPPER DETAIL
SCALE: 3" = 1'-0"



ROOF PLAN
SCALE: 1/4"=1'-0"



B A8.1 RELIEF SCUPPER DETAIL
SCALE: 3" = 1'-0"



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

RCP GENERAL NOTES

1. COORDINATE ALL CEILING DIFFUSERS AND LIGHT FIXTURES WITH MECHANICAL / ELECTRICAL DRAWINGS. NOTIFY ARCHITECT OF CONFLICT WITH LAYOUT ON REFLECTED CEILING PLAN.
2. ENGINEERING SHEETS TAKE PRECEDENCE FOR PARTICULAR FIXTURE TYPES. ARCHITECTURAL REFLECTED CEILING PLANS ARE FOR COORDINATION OF AESTHETIC ARRANGEMENTS.
3. CEILING HEIGHTS SHOWN ON THESE DOCUMENTS PROPOSE THE MOST DESIRED CEILING HEIGHT FOR SPACES INDICATED. SHOULD CONFLICT ARISE WITH MECHANICAL / ELECTRICAL / STRUCTURAL, NOTIFY THE ARCHITECT AND ADJUSTMENTS WILL BE MADE ACCORDINGLY.
4. SEE ELECTRICAL FOR WALL MOUNTED LIGHT FIXTURES.

RCP LEGEND

- 2' X 2' DIFFUSER
- 1' X 1' EXHAUST FAN
- 1' X 1' DIFFUSER
- CEILING CASSETTE
- 2'x 4' LED LIGHT
- 1'x 4' LED LIGHT
- DOWN LIGHT
- 2 X 2 ACOUSTICAL TILE
- GYP BD PAINTED CEILING
- MOISTURE RESISTANT GYP BD WITH EPOXY PAINT CEILING

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DADEVILLE, AL

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REFLECTED CEILING & ROOF PLAN

Sheet Number

A8.1

GN. GENERAL

GN.1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH ALL OTHER DISCIPLINES' DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND ARCHITECT.

GN.2 DESIGN CRITERIA:

A. CODES AND SPECIFICATIONS:

1. GENERAL BUILDING CODE:
INTERNATIONAL BUILDING CODE, 2021 EDITION.

2. DESIGN LOAD CRITERIA:
MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7.

3. CONCRETE:
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, AMERICAN CONCRETE INSTITUTE, ACI 318.

4. STRUCTURAL PRECAST CONCRETE:
MANUAL FOR QUALITY CONTROL FOR PLANTS AND PRODUCTION OF STRUCTURAL PRECAST CONCRETE PRODUCTS, PRECAST/PRESTRESSED CONCRETE INSTITUTE, PCI, MNL 116.

5. STRUCTURAL STEEL:
SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360.

6. MASONRY:
BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES, TMS 402/602.

B. DESIGN LOADS (PSF):

1. DEAD LOADS:
ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.

2. LIVE LOADS:
ROOF (REDUCIBLE)----------20
FLOOR----------80
STORAGE (NON-REDUCIBLE) ----------125

LIVE LOAD REDUCTIONS HAVE BEEN APPLIED IN ACCORDANCE WITH THE BUILDING CODE, UNLESS NOTED.

3. SNOW LOAD:
GROUND SNOW LOAD (Pg)----------5.0

4. WIND LOADS:
ULTIMATE DESIGN WIND SPEED, Vult----------110 MPH (3 – SECOND GUST)
NOMINAL DESIGN WIND SPEED, Vasd----------90 MPH (3 – SECOND GUST)
RISK CATEGORY----------II
WIND EXPOSURE CATEGORY----------B
INTERNAL PRESSURE COEFFICIENT----------±0.18

WALL COMPONENT AND CLADDING WIND PRESSURE-SEE DRAWINGS

5. SEISMIC LOADS:
SEISMIC IMPORTANCE FACTOR (Ie)----------1.0

MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss----------0.160
S1----------0.080
SITE CLASS----------D
SITE COEFFICIENTS:
Fa----------1.6
Fv----------2.4
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
Sds----------0.171
Sd1----------0.129
SEISMIC DESIGN CATEGORY----------B
BASIC SEISMIC-FORCE-RESISTING SYSTEM:

DESIGN BASE SHEAR----------60 KIPS

SEISMIC RESPONSE COEFFICIENT (Cs)----------3.0
RESPONSE MODIFICATION FACTOR(R)----------2.5
OVER-STRENGTH FACTOR (Ωo)----------2.0
DEFLECTION AMPLIFICATION FACTOR (Cd)----------2.0

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE METHOD

REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SEISMIC SUPPORT AND ATTACHMENT REQUIREMENTS FOR UTILITIES.

GN.3 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

GN.4 SPECIAL INSPECTIONS/STRUCTURAL ENGINEER'S SITE VISITS:

A. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE. REFER TO DRAWINGS.

B. SITE VISITS BY STRUCTURAL ENGINEER:

1. STRUCTURAL ENGINEER'S SITE VISITS ARE FOR VISUAL OBSERVATION OF THE IN-PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION.

2. CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER AND ARCHITECT, PER THE SCHEDULE STATED BELOW, WHEN SUCH ITEMS HAVE PROGRESSED TO THE POINT WHERE THEY WILL BE IN PLACE AND READY FOR REVIEW. FAILURE TO NOTIFY MAY REQUIRE REMOVAL OF COMPLETED CONSTRUCTION.

FOLLOWING SCHEDULED TASKS	REQUIRED DAYS NOTIFICATION
FIRST FOUNDATION POUR	2 DAYS
GROUTING MASONRY WALL CONSTRUCTION	2 DAYS

C. SITE VISITS BY THE STRUCTURAL ENGINEER'S OFFICE DO NOT REPLACE INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

GN.5 SUBMITTALS:

A. REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. ALL SHOP DRAWINGS MUST BE REVIEWED AND "APPROVED" BY THE CONTRACTOR PRIOR TO SUBMITTAL.

B. ELECTRONIC SHOP DRAWING SUBMITTALS: SUBMIT ALL ELECTRONIC SHOP DRAWINGS IN .PDF FORMAT. REVIEWED SHOP DRAWINGS WILL BE RETURNED IN .PDF FORMAT. ALL PRINTS REQUIRED BY THE CONTRACTOR ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE AFTER APPROVED SHOP DRAWINGS ARE RETURNED.

C. RESUBMITTED SHOP DRAWINGS: RESUBMITTED SHOP DRAWINGS SHALL HAVE ALL CHANGES SINCE THE PREVIOUS SUBMISSION IDENTIFIED BY CLOUDING OR OTHER CLEAR COMMUNICATION. RE-REVIEWED SHOP DRAWINGS WILL ONLY BE REVIEWED FOR IDENTIFIED CHANGES.

D. SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER REVIEW SHOP DRAWINGS FOR THE FOLLOWING ITEMS. ITEMS MARKED (*) SHALL HAVE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. ITEMS MARKED (#) SHALL BE SUBMITTED FOR STRUCTURAL ENGINEER'S RECORD ONLY.

1. CONCRETE MIX DESIGNS
2. CONCRETE REINFORCING
3. STRUCTURAL PRECAST (*)
4. STRUCTURAL STEEL (*)
5. MASONRY MORTAR MIX DESIGNS
6. MASONRY GROUT MIX DESIGNS
7. MASONRY REINFORCING

E. DESIGN CALCULATIONS: THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER'S RECORD, DESIGN CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED FOR THE FOLLOWING ITEMS.

1. STRUCTURAL PRECAST
2. STRUCTURAL PRECAST CONNECTIONS

GN.6 ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.

GN.7 THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

GN.8 CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT LOADS DO NOT EXCEED THE DESIGN LIVE LOAD.

FD. FOUNDATION

FD.1 GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY QUALITY ASSURANCE TESTING LABORATORIES, INC., TITLED "SUBSURFACE INVESTIGATION 911 ADDITION/TALLAPOOSA COUNTY JAIL PROJECT NO.SI-3252-25 DATED JULY 16, 2025". THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND FOLLOW ALL REQUIREMENTS AND RECOMMENDATIONS.

FD.2 DESIGN BEARING PRESSURES (PSF):

CONTINUOUS WALL FOOTINGS----------2000
ALL OTHER----------2000

FD.3 ALL FOUNDATION BEARING SURFACES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE COMPLIANCE WITH PRESSURES NOTED. THE FINAL BEARING ELEVATIONS MAY VARY AS REQUIRED TO PROVIDE PROPER BEARING CAPACITY IN AN APPROVED BEARING STRATUM AS DETERMINED BY THE GEOTECHNICAL ENGINEER.

FD.4 FOOTINGS SHALL BE PLACED THE SAME DAY AS INSPECTION BY THE GEOTECHNICAL ENGINEER UNLESS EXTENDED TIME IS APPROVED BY THE GEOTECHNICAL ENGINEER.

FD.5 FOOTINGS SHALL BE NEATLY EXCAVATED WHERE POSSIBLE WITH SIDES AND TOP EDGES FREE OF LOOSE OR WET MATERIALS. WHERE NEAT EXCAVATION IS NOT POSSIBLE, FOOTING EXCAVATION SHALL BE FILLED WITH CONCRETE TO THE TOP OF FOOTING. THE BOTTOM EXCAVATION SHALL BE CLEAN AND DRY WITH ALL LOOSE MATERIAL REMOVED FOR AN ESSENTIALLY FLAT BEARING SURFACE. WHERE SOFT OR UNSUITABLE BEARING SURFACES ARE ENCOUNTERED, THE AREA SHALL BE UNDERCUT AS REQUIRED AND REPLACED WITH LEAN CONCRETE OR COMPACTED DENSE GRADED CRUSHED STONE AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

FD.6 COMPACTED FILL SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT. EXCAVATED MATERIAL MAY BE USED AS BACKFILL MATERIAL WITH WRITTEN APPROVAL FROM THE GEOTECHNICAL ENGINEER STATING THAT SUCH MATERIAL IS SUITABLE AS BACKFILL AND INSTRUCTIONS ARE GIVEN FOR PROPER MOISTURE CONTENT AND COMPACTION.

FD.8 BACKFILL FOR FOUNDATION AND RETAINING WALLS SHALL BE A FREE DRAINING GRANULAR MATERIAL. BACKFILL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE ADJACENT TO WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A 45 VERTICAL DEGREE WEDGE EXTENDING FROM THE HEEL OF FOOTING.

FD.9 FOUNDATION AND RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL CONCRETE HAS ATTAINED THE REQUIRED 28 DAY COMPRESSIVE STRENGTH.

FD.10 WHERE FOUNDATION WALLS HAVE EARTH PLACED ON EACH SIDE, PLACE FILL TO KEEP A COMMON ELEVATION ON EACH SIDE OF THE WALL.

FD.11 PROVIDE 4" OF COMPACTED GRANULAR FILL BENEATH ALL SLABS ON GRADE. PROVIDE 10 MIL VAPOR RETARDER BETWEEN BOTTOM OF SLAB AND TOP OF GRANULAR FILL.

FD.12 FOUNDATIONS SHALL BE CENTERED ABOUT COLUMN LINES, UNLESS NOTED.

FD.13 UNDERPINNING OF EXISTING ADJACENT FOUNDATIONS MAY BE REQUIRED. ALL ENGINEERING DESIGNS AND MEANS AND METHODS OF CONSTRUCTION RELATED TO UNDERPINNING ARE THE SOLE RESPONSIBILTY OF THE CONTRACTOR.

CN. CONCRETE

CN.1 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

CN.2 MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS (PSI), TYPE OF CONCRETE, MAXIMUM W/C (WATER/CEMENTITIOUS MATERIALS RATIO), TOTAL AIR CONTENT, SLUMP AND CONCRETE USE:

STRENGTH	TYPE	W/C	AIR	SLUMP	USE
4500	NORMAL WT.	0.45	***	3" TO 5"	SLAB ON GRADE
3000	NORMAL WT.	0.57	---	3" TO 5"	FOOTINGS

***DO NOT USE AIR ENTRAINING ADMIXTURES IN INTERIOR CONCRETE SLABS TO RECEIVE A HARD TROWEL FINISH.

CN.3 REINFORCING BARS: ASTM A615 GRADE 60.

CN.4 WELDED WIRE REINFORCEMENT (WWR): ASTM A1064. MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2" OR 6".

CN.5 REINFORCING STEEL SHOWN IN SECTIONS AND DETAILS IS A SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.

CN.6 REINFORCING BAR PLACING ACCESSORIES TO BE INSTALLED IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS.

CN.7 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI SP-066. REINFORCEMENT SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE STRUCTURAL ENGINEER.

CN.8 SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

CN.9 REINFORCING MARKED "CONTINUOUS" SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

CN.10 CONCRETE COVERAGE OF REINFORCEMENT, UNLESS NOTED:

FOOTINGS----------2" TOP & 3" BOTTOM & SIDES
WWR IN SLABS ON GRADE----------2" TOP
SLABS ON WELL GRADED SUBGRADE OR VAPOR BARRIERS: 3/4" TOP & 1 1/2" BOTTOM

CN.11 PEDESTAL, COLUMN AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.

CN.14 SLABS ON GRADE: 4" THICK, REINFORCE WITH ASTM C 1116, TYPE III SYNTHETIC MACRO-FIBERS AT A DOSAGE RATE OF 3.5 POUNDS PER CUBIC YARD.

SP. STRUCTURAL PRECAST CONCRETE

SP.1 PRECAST MANUFACTURER IS TO BE RESPONSIBLE FOR THE DESIGN OF ALL PRECAST MEMBERS AND THEIR CONNECTIONS TO THE STRUCTURE. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED BEARING THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

SP.2 ANY CONNECTIONS SHOWN ON CONTRACT DRAWINGS ARE SHOWN FOR GENERAL ARRANGEMENT ONLY. THE CONTRACTOR SHALL COORDINATE ALL PRECAST CONNECTIONS AND EMBEDDED ITEMS WITH THE PRECAST MANUFACTURER.

SP.3 ERECTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY BRACING UNTIL ALL CONNECTIONS HAVE BEEN MADE AND TOPPING HAS BEEN CAST.

SP.4 PRECAST MANUFACTURER SHALL PROVIDE STABILIZING ANGLES, AS REQUIRED, IN ALL PRECAST WORK.

SP.6 PRECAST MANUFACTURER SHALL LIMIT CAMBER FOR THE STRUCTURAL PRECAST MEMBERS TO 1".

SP.7 ALL EXPOSED STEEL CONNECTIONS AND SUPPORT ANGLES, PLATES, BARS AND BOLTS IN CONJUNCTION WITH ALL PRECAST CONCRETE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION AND FIELD TOUCHED UP WITH ZINC RICH PAINT.

SP.8 TOOLED JOINTS IN CONCRETE TOPPING OVER PRECAST TEES ARE TO BE LOCATED WHERE TEES ABUT, ABOVE THE END OF EVERY TEE, AND AT THE ENDS OF BEAMS.

SP.9 CONTRACTOR TO COORDINATE OPENINGS IN FRAMED FLOORS (MECHANICAL, ELECTRICAL, PLUMBING, ETC.) WITH PRECAST SUPPLIER.

SP.10 CONDUIT AND PIPING SHALL NOT BE PLACED IN THE TOPPING SLAB.

SP.11 PRECAST MANUFACTURER SHALL DESIGN PRECAST TO RESIST SELF-WEIGHT, SUPERIMPOSED DEAD LOAD, PLUS LIVE LOAD AS NOTED IN THE DESIGN LOAD SECTION OF THESE NOTES.

SS. STRUCTURAL STEEL

SS.1 FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

SS.2 THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL THE LATERAL FORCE RESISTING SYSTEM AND STABILITY OF THE COMPLETED STRUCTURE IS IN PLACE.

SS.3 STRUCTURAL STEEL AND STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS UNLESS NOTED OTHERWISE:

W AND WT SHAPES	ASTM A992
S, M, AND HP SHAPES AND CHANNELS	ASTM A572, GRADE 50 **[OR]** ASTM A36
STIFFENER PLATES, BASE PLATES, CAP PLATES, CONNECTION PLATES, AND ANGLES	ASTM A36
STEEL PIPE	ASTM A53, TYPE E OR S, GRADE B
HOLLOW STRUCTURAL SECTIONS	ASTM A500, GRADE C
WELDED CONNECTIONS	E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16"
HEADED ANCHOR RODS	ASTM F1554 GRADE 36 ANCHOR AND HEAVY HEX NUT, UNLESS INDICATED.
SHEAR CONNECTORS	ASTM A108, GRADE 1015 THROUGH 1020, HEADED-STUD TYPE, COLD FINISHED CARBON STEEL; AWS D1.1, TYPE B.
BOLTS	ASTM F3125, GRADE A325 OR A490
NUTS	ASTM A563
WASHERS	ASTM F436
METAL BAR GRATING	1-1/4"x1/4" W-19-4

SS.6 WHERE NO CAMBER IS INDICATED, BEAMS SHOULD BE ERECTED WITH NATURAL CAMBER ORIENTED UPWARD.

SS.7 BEAMS SHALL BE EQUALLY SPACED IN BAYS, UNLESS NOTED.

SS.8 HSS MEMBERS SHALL HAVE A 1/4" CLOSURE PLATE.

SS.9 FOUR ANCHOR RODS MINIMUM FOR BASE PLATES UNDER COLUMNS.

SS.10 GROUT UNDER BEARING PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. GROUT SHALL HAVE A SPECIFIED DESIGN COMPRESSIVE STRENGTH TWO TIMES THAT OF THE SUPPORTING CONCRETE.

SS.11 STRUCTURAL STEEL MEMBERS SHALL NOT BE CUT, SPLICED, OR MODIFIED IN THE FIELD UNLESS NOTED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.

SS.12 STRUCTURAL STEEL NOT EXPOSED TO VIEW SHALL BE PRIMED WITH MANUFACTURER'S STANDARD SHOP PRIMER. STRUCTURAL STEEL EXPOSED TO WEATHER IN ITS FINAL POSITION SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123. FOR STRUCTURAL STEEL EXPOSED TO VIEW, REFER TO PROJECT SPECIFICATIONS FOR FINISHED COATING SYSTEM.

SS.13 SHOP PRIMER OR OTHER COATINGS SHALL NOT BE APPLIED TO THE FACE OF STRUCTURAL STEEL FRAMING SUBJECT TO HEADED STUD WELDING.

SS.14 DRAIN HOLES SHALL BE PROVIDED IN ALL STEEL AS REQUIRED TO PREVENT WATER ACCUMULATION. HOLES THROUGH STRUCTURAL STEEL MEMBERS SHALL BE GROUND SMOOTH AND NOT EXCEEDING 1/2" DIAMETER. DRAIN HOLES SHALL BE LEFT CLEAN AND UNOBSTRUCTED.

MA. MASONRY

MA.1 MASONRY CONSTRUCTION SHALL CONFORM TO TMS 402/602 CODE AND SPECIFICATION.

MA.2 CONCRETE MASONRY UNITS (CMU) SHALL BE LIGHTWEIGHT (DENSITY = 105 PCF), CONFORMING TO ASTM C90, UNLESS NOTED.

MA.3 COMPRESSIVE STRENGTH OF MASONRY (F'm): 2000 PSI AT 28 DAYS.

MA.4 GROUT SHALL CONFORM TO ASTM C476 WITH COMPRESSIVE STRENGTH (F'g) OF 2500 PSI AT 28 DAYS. GROUT SHALL BE PLACED ACCORDING TO TMS 602/ACI 530.1/ASCE 6 SECTION 3.5.

MA.5 MORTAR SHALL CONFORM TO ASTM C270, TYPE S OR M FOR TYPICAL CONDITIONS, TYPE M FOR BASEMENT AND RETAINING WALLS.

MA.6 ALL MASONRY SHALL BE RUNNING BOND, UNLESS NOTED.

MA.7 ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.

MA.8 SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY CONTROL JOINTS AND OPENINGS.

MA.9 REINFORCING BARS: ASTM A615 GRADE 60. LAP REINFORCING BARS ACCORDING TO TYPICAL DETAILS.

MA.10 HORIZONTAL JOINT REINFORCING: LADDER TYPE, 9 GAGE SPACED VERTICALLY AT 16", UNLESS NOTED. PLACE REINFORCING ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. LAP REINFORCING A MINIMUM OF 6".

MA.11 WHEN REINFORCING BARS ARE SPECIFIED, PROVIDE AT EACH SIDE OF CONTROL JOINTS, OPENINGS AND WALL ENDS ACCORDING TO TYPICAL DETAILS. REINFORCING BARS TO BE CENTERED IN WALL, UNLESS NOTED.

MA.12 CONDUIT, PIPING, AND SLEEVES OF ANY MATERIAL TO BE EMBEDDED IN MASONRY SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:

A. CONDUIT, PIPING, AND SLEEVES OF ALUMINUM SHALL NOT BE EMBEDDED IN MASONRY.

B. CONDUIT, PIPING, AND SLEEVES SHALL NOT PASS THROUGH JAMBS, LINTELS, BOND BEAMS, OR SHEAR WALLS WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.

C. REINFORCING SHALL NOT BE CUT, BENT, OR DISPLACED FOR PLACEMENT OF CONDUIT, PIPING, AND SLEEVES.

D. CONDUIT, PIPING, AND SLEEVES SHALL BE NO CLOSER THAN 3 DIAMETERS ON CENTER. MINIMUM SPACING OF DIFFERENT DIAMETERS SHALL BE DETERMINED USING THE LARGER DIAMETER.

MA.13 TEMPORARY BRACING OF CMU WALLS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL PERMANENT RESTRAINT IS PROVIDED.

PA. POST INSTALLED ANCHORS

PA.1 POST INSTALLED ANCHORS SHALL COMPLY WITH ACI-318 CHAPTER 17.

PA.2 ACCEPTABLE MANUFACTURERS SHALL INCLUDE BUT ARE NOT LIMITED TO HILTI, INC. AND SIMPSON STRONG-TIE COMPANY, INC. AND DEWALT ANCHORS.

PA.3 CARE SHALL BE TAKEN IN PLACING POST INSTALLED ANCHORS TO AVOID CONFLICTS WITH EXISTING REBAR.

PA.4 HOLES SHALL BE DRILLED AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SUBSTITUTION REQUESTS, FOR PRODUCTS OTHER THAN THOSE SHOWN SHALL BE SUBMITTED BY THE CONTRACTOR ALONG WITH PREPARED DOCUMENTATION DEMONSTRATING THAT THE PRODUCT IS CAPABLE OF ACHIEVING EQUIVALENT PERFORMANCE VALUES (MINIMUM) OF THE SPECIFIED PRODUCT USING THE APPROPRIATE DESIGN PROCEDURE AND/OR STANDARD(S) AS REQUIRED BY THE BUILDING CODE.

PA.5 THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND RECOMMENDATIONS.

PA.6 ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.

PA.8 CONCRETE ANCHORS:

1. MECHANICAL ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI-355.2 AND ICC-ES AC193.

2. ADHESIVE ANCHORS FOR USE IN CRACKED AND UNCRACKED CONCRETE SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI355.4 AND ICC-ES AC308.

3. MECHANICAL ANCHORS FOR USE IN THE UNDER SIDE OF NORMAL WEIGHT HOLLOW CORE AND POST TENSION SLABS WHERE EMBEDMENT DEPTH SHALL NOT EXCEED 3/4 INCHES, APPROVED PRODUCTS INCLUDE: DEWALT MINI-UNDERCUT+.

PA.9 MASONRY ANCHORS:

1. ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY:

A. MECHANICAL AND CONCRETE SCREW ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES ACO1 OR ICC-ES AC106, RESPECTIVELY.

B. ADHESIVE ANCHORS FOR USE IN SOLID-GROUTED CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58 OR AC60.

2. ANCHORAGE TO HOLLOW CONCRETE MASONRY/UNREINFORCED CLAY BRICK MASONRY:

A. SCREW ANCHORS FOR USE IN HOLLOW CONCRETE MASONRY SHALL HAVE BEEN TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC106.

B. ADHESIVE ANCHORS WITH SCREEN TUBES SHALL BE TESTED AND QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER.

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ALABAMA LICENSED 01/08/2026 No. 26048 PROFESSIONAL ENGINEER BRADLEY R. HARVISON

TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

PROJECT NUMBER 25-1465
Issue Date 8 JANUARY 2026
Revisions

Sheet Description
GENERAL NOTES

Sheet Number
S1.0

STATEMENT OF SPECIAL INSPECTIONS

SI.1 SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED BY A QUALIFIED, INDEPENDENT AGENGY EMPLOYED BY THE OWNER FOR THE ITEMS SPECIFIED IN THIS SECTION AND IN OTHER AREAS OF THE APPROVED CONSTRUCTION DOCUMENTS.

SI.2 THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTOR(S) TO BE USED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL.

SI.3 DUTIES OF THE SPECIAL INSPECTOR:

A. THE SPECIAL INSPECTOR SHALL REVIEW ALL WORK LISTED IN THE SCHEDULE OF SPECIAL INSPECTIONS FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THE APPLICABLE BUILDING CODE.

B. THE SPECIAL INSPECTOR SHALL FURNISH SPECIAL INSPECTION REPORTS TO THE ARCHITECT/ENGINEER OF RECORD, CONTRACTOR, OWNER, AND BUILDING OFFICIAL ON A WEEKLY BASIS, OR MORE FREQUENTLY, AS REQUIRED BY THE BUILDING OFFICIAL. ALL ITEMS NOT IN COMPLIANCE SHALL BE BROUGHT TO THE PROMPT ATTENTION OF THE CONTRACTOR FOR CORRECTION AND, IF UNCORRECTED, TO THE EOR AND BUILDING OFFICIAL.

C. ONCE CORRECTIONS HAVE BEEN MADE BY THE CONTRACTOR, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND WORKMANSHIP PROVISIONS OF THE APPLICABLE BUILDING CODE.

SI.4 DUTIES OF THE CONTRACTOR:

A. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE OWNER AND THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF WORK. IN ACCORDANCE WITH THE BUILDING CODE, THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED WITHIN THIS "STATEMENT OF SPECIAL INSPECTIONS".

B. THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOURS MINIMUM) BEFORE SUCH INSPECTION IS REQUIRED.

C. ALL WORK REQUIRING SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT HAS BEEN OBSERVED BY THE SPECIAL INSPECTOR.

SI.5 REFERENCE THE "SCHEDULES OF SPECIAL INSPECTIONS" FOR THE TYPES, EXTENTS, AND FREQUENCY OF SPECIFIC ITEMS REQUIRING SPECIAL INSPECTIONS AND STRUCTURAL TESTS AS PART OF THIS PROJECT.

SI.6 DEFINITIONS:

PERIODIC: INSPECTOR IS INTERMITTENTLY PRESENT WHERE THE WORK HAS BEEN OR IS BEING PERFORMED.

CONTINUOUS: INSPECTOR IS CONTINUOUSLY PRESENT WHEN AND WHERE THE WORK IS BEING PERFORMED.

GENERAL - SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	IBC REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE SI.6)		REMARKS
			CONTINUOUS	PERIODIC	
FABRICATORS	1705.10 1704.2.5				SPECIAL INSPECTION IS REQUIRED FOR STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS SHALL BE PERFORMED DURING FABRICATION. PERFORMING SPECIAL INSPECTIONS IS NOT REQUIRED, WHERE FABRICATOR HAS BEEN APPROVED AS AN APPROVED FABRICATOR, PER SECTION 1704.2.5.1.
DEFERRED SUBMITTALS				X	SPECIAL INSPECTION REQUIREMENTS FOR DEFERRED SUBMITTAL ITEMS, INCLUDING REQUIREMENTS FOR DESIGNATED SEISMIC SYSTEMS IN ACCORDANCE WITH IBC SECTION 1705.12.4 IF APPLICABLE, TO BE SPECIFIED BY THE SYSTEM ENGINEER AND INCLUDED WITH DEFERRED SUBMITAL DOCUMENTS.
SUBMITTALS TO THE BUILDING OFFICIAL	1704.5			X	CERTIFICATES OF COMPLIANCE, REPORTS OF PRE-CONSTRUCTION TESTS, OR REPORTS OF MATERIAL PROPERTIES SHALL BE SUBMITTED TO THE BUILDING OFFICIAL.
POST INSTALLED MECHANICAL ANCHORS AND ADHESIVE ANCHORS IN HARDENED CONCRETE.				X	

SOILS/GEOTECHNICAL - SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	IBC REFERENCE	CODE OR STANDARDS REFERENCE	FREQUENCY (NOTE SI.6)		REMARKS
			CONTINUOUS	PERIODIC	
SOILS					
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	1705.6	GEOTECHNICAL REPORT		X	BY THE GEOTECHNICAL ENGINEER OR QUALIFIED SPECIAL INSPECTOR
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL				X	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS				X	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL			X		
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY				X	

CONCRETE - SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	IBC REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE SI.6)		REMARKS
			CONTINUOUS	PERIODIC	
GENERAL	1705.3 1901.6	ACI 318: 26.13			SPECIAL INSPECTIONS OF CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1705.3 OF THE IBC AND SECTION 26.13 OF ACI 318.
REINFORCING STEEL PLACEMENT	1901.5.2	ACI 318: CH. 20, 25.2, 25.3, 26.6.1-26.6.3, 26.13.3.3		X	REINFORCING TO COMPLY WITH ALL CODE PROTECTION, SPACING AND TOLERANCE LIMITS.
WELDING REINFORCING STEEL	1705.3.1 1705.3.2 1903.1 1903.2	AWS D1.4 ACI 318: 26.6.4			
1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706				X	
2. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" FILLET				X	
3. ALL OTHER REINFORCING STEEL WELDING,			X		
INSPECT ANCHORS/BOLTS CAST IN CONCRETE	-	ACI 318: 17.8.2		X	ALL CAST-IN-PLACE ANCHORS/BOLTS SHALL BE VISUALLY INSPECTED. REFERENCE STEEL INSPECTIONS FOR ADDITIONAL INSTALLATION, MATERIAL AND WELDING INSPECTIONS OF STEEL ITEMS EMBEDDED IN CONCRETE (HEADED STUDS, DBA's, ETC.)
VERIFYING USE OF REQUIRED MIX DESIGN(S)	1904.1 1904.2	ACI 318: CH. 19, 26.4.3, 26.4.4		X	
CONCRETE SPECIMENS FOR TESTING		ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	X		PRIOR TO CONCRETE PLACEMENT, FABRICATE CONCRETE SPECIMENS FOR TESTING. SEE THE CONCRETE TESTING TABLE FOR ADDITIONAL INFORMATION.
CONCRETE PLACEMENT		ACI 318: 26.5, 26.13.3.2(a)	X		
CONCRETE CURING		ACI 318: 26.5.3 - 26.5.5, 26.13.3.3		X	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES
VERIFICATION OF FORMWORK		ACI 318: 26.11.1.2(b), 26.13.3.3		X	SPECIAL INSPECTIONS APPLY TO SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED

MASONRY - SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	IBC REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE SI.6)		REMARKS
			CONTINUOUS	PERIODIC	
VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS	-	TMS 602		X	-
AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: - PROPORTIONS OF SITE-PREPARED MORTAR - CONSTRUCTION OF MORTAR JOINTS - GRADE AND SIZE OF TENDONS/ANCHORAGES - LOCATION OF REINFORCEMENT/CONNECTORS	-	TMS 602		X	-
PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: - GROUT SPACE - GRADE, TYPE AND SIZE OF REINFORCEMENT/ ANCHOR BOLTS - PLACEMENT OF REINFORCEMENT AND CONNECTORS - PROPORTIONS OF SITE-PREPARED GROUT - CONSTRUCTION OF MORTAR JOINTS	-	TMS 602		X	-
VERIFY DURING CONSTRUCTION: - SIZE AND LOCATION OF STRUCTURAL ELEMENTS - TYPE, SIZE, AND LOCATION OF ANCHORS - WELDING OF REINFORCEMENT - PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (BELOW 40°F) OR HOT WEATHER (ABOVE 90°F)	-	TMS 602		X	-

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TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

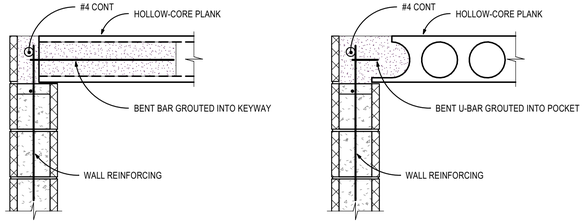
PROJECT NUMBER 25-1465
Issue Date 8 JANUARY 2026
Revisions

Sheet Description

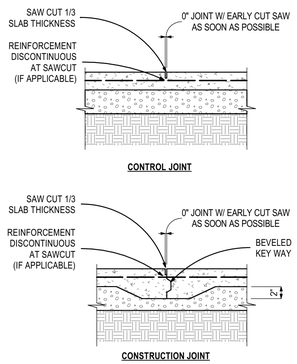
SPECIAL INSPECTIONS

Sheet Number

S1.1

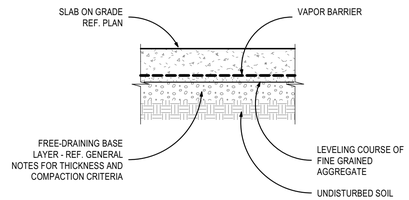


1 HOLLOW CORE DETAIL 1
1" = 1'-0"

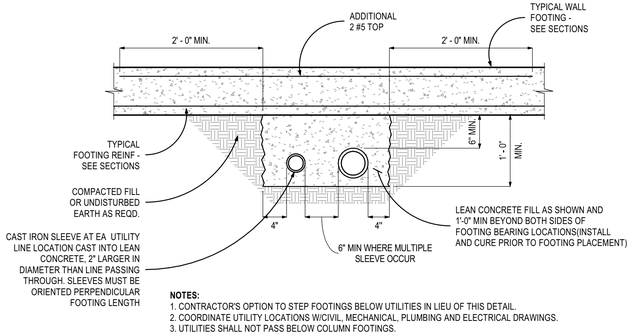


NOTES:
1. CONTROL JOINT FILLER SEMI-RIGID EPOXY.
2. SAWCUT TO TAKE PLACE WITHIN 4-12 HOURS OF FINISHING CONCRETE: 4 HOURS IN HOT WEATHER, 12 HOURS IN COLD WEATHER.

2 CONSTRUCTION JOINTS AT SLAB ON GRADE
1" = 1'-0"

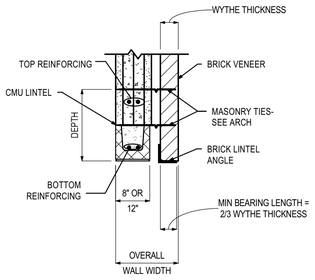


3 UNDER SLAB PREPARATION AT SLAB ON GRADE
1" = 1'-0"



NOTES:
1. CONTRACTOR'S OPTION TO STEP FOOTINGS BELOW UTILITIES IN LIEU OF THIS DETAIL.
2. COORDINATE UTILITY LOCATIONS W/CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
3. UTILITIES SHALL NOT PASS BELOW COLUMN FOOTINGS.

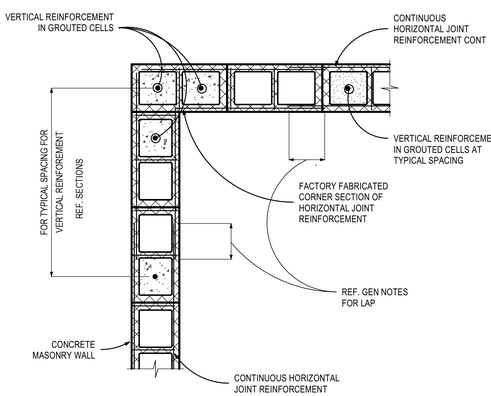
4 TYP. DETAIL FOR UTILITIES PASSING BELOW WALL FOOTING
1" = 1'-0"



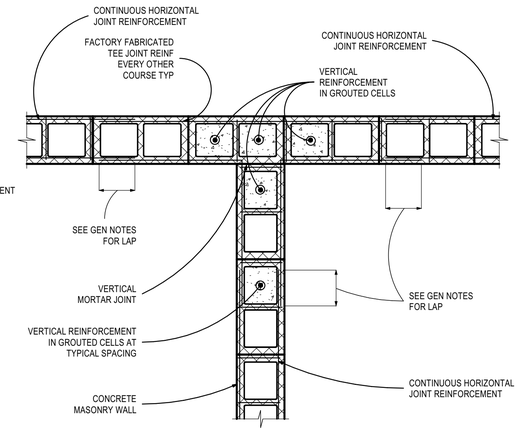
Masonry Lintel Schedule			
MAXIMUM OPENING WIDTH	BRICK LINTEL ANGLE	CMU LINTEL DIMENSIONS AND REINFORCING	
		DEPTH	8" WALL
2'-0"	L3 1/2x3 1/2x3/8	8	1#4 BOT
4'-0"	L3 1/2x3 1/2x3/8	8	1#4 BOT
6'-0"	L3 1/2x3 1/2x3/8	8	1#5 BOT & 1#4 TOP
8'-0"	L5x3 1/2x3/8	16	1#6 BOT & 1#5 TOP
10'-0"	---	16	1#7 BOT & 1#5 TOP
12'-0"	---	16	1#8 BOT & 1#5 TOP

1. DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL, OR IF STACK BOND IS SPECIFIED.
2. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.

5 MASONRY LINTEL SCHEDULE
3/4" = 1'-0"

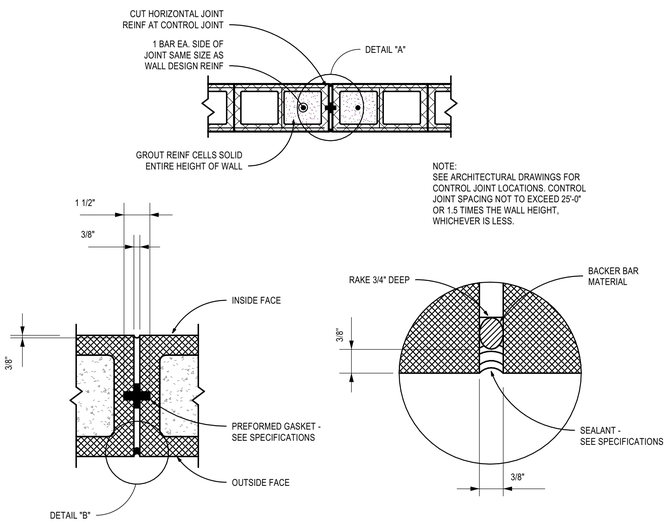


Plan Showing Joint Reinforcement at Wall Corner



Plan Showing Joint Reinforcement at Structural Wall Intersection

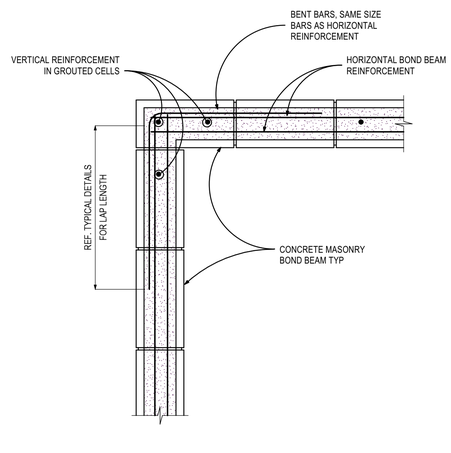
6 MASONRY WALL REINFORCING
1" = 1'-0"



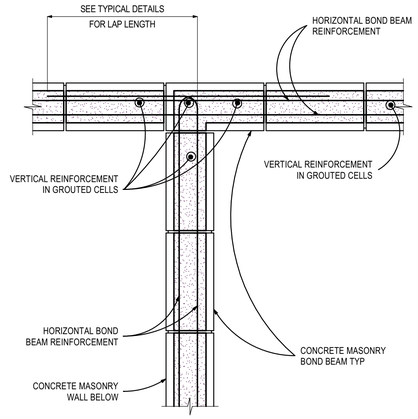
Detail "A"

Detail "B"

7 MASONRY CONTROL JOINT
1" = 1'-0"



Plan Showing Bond Beam Reinforcement at Wall Corner



Plan Showing Bond Beam at Structural Wall Intersection

8 MASONRY BOND BEAM REINFORCING
1" = 1'-0"

TENSION SPLICE LAP LENGTH				
BAR SIZE	fc = ALL			
	TOP BARS		BOTTOM BARS	
	A	B	A	B
#3	22"	28"	17"	22"
#4	29"	37"	22"	29"
#5	36"	47"	28"	36"
#6	43"	56"	33"	43"
#7	63"	81"	48"	63"
#8	72"	93"	55"	72"
#9	81"	105"	62"	81"
#10	91"	118"	70"	91"
#11	101"	131"	78"	101"

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

9 REBAR LAP SPLICE LENGTH
1" = 1'-0"

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ALABAMA LICENSED 01/08/2026 No. 26048 PROFESSIONAL ENGINEER BRADLEY T. HARRISON

TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

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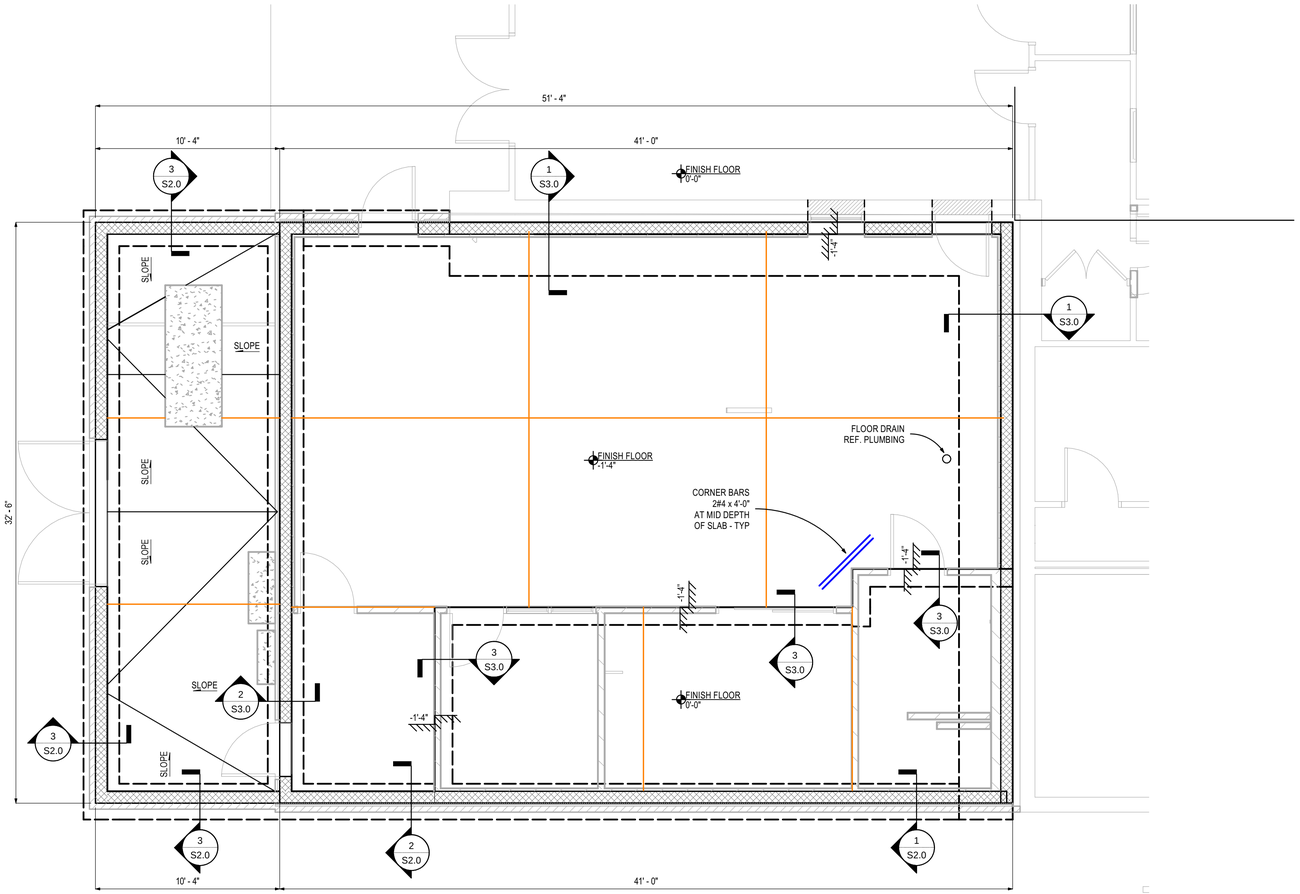
Revisions

Sheet Description

TYPICAL DETAILS

Sheet Number

S1.2

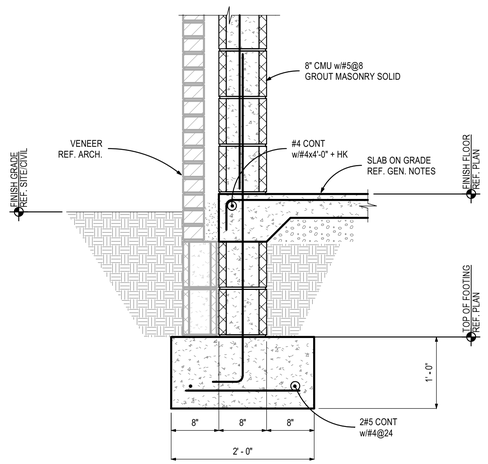


NORTH

FOUNDATION PLAN

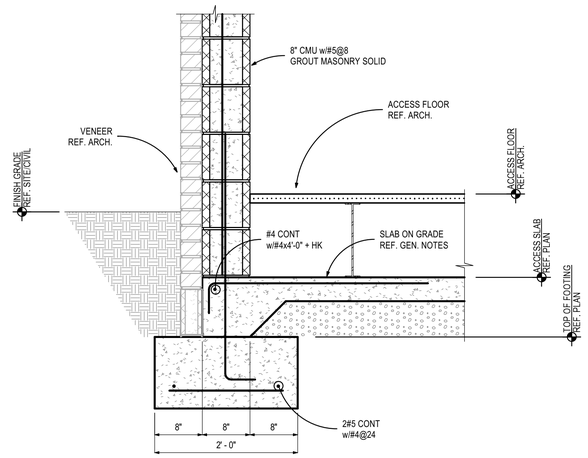
1/4" = 1'-0"

1.	FINISH FLOOR (TOP OF SLAB) ELEVATION: 0'-0", UNLESS NOTED.
2.	TOP OF FOOTING: -2' - 0", UNLESS NOTED.
3.	VERIFY ALL DIMENSIONS, ELEVATIONS, SLOPES, ETC. WITH ARCHITECTURAL DRAWINGS PRIOR TO THE START OF CONSTRUCTION.



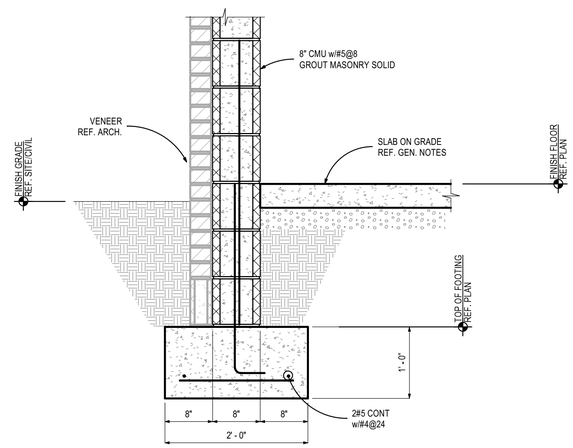
1 FOUNDATION SECTION

1" = 1'-0"



2 FOUNDATION SECTION

1" = 1'-0"



3 FOUNDATION SECTION

1" = 1'-0"

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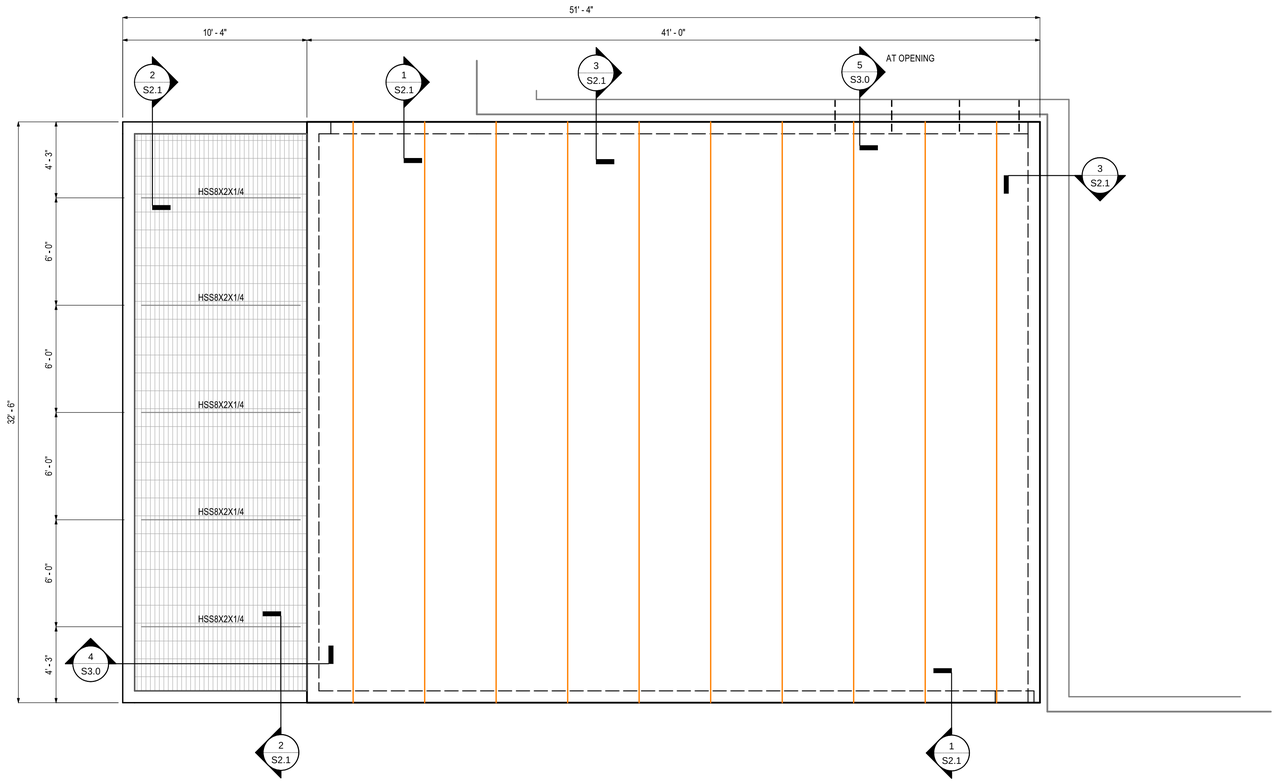
Sheet Description

FOUNDATION PLAN

Sheet Number

S2.0

HARVEST ENGINEERING
216 S 8TH STREET, SUITE 113
OPELIKA, AL 36801
PROJECT NO. 10125097

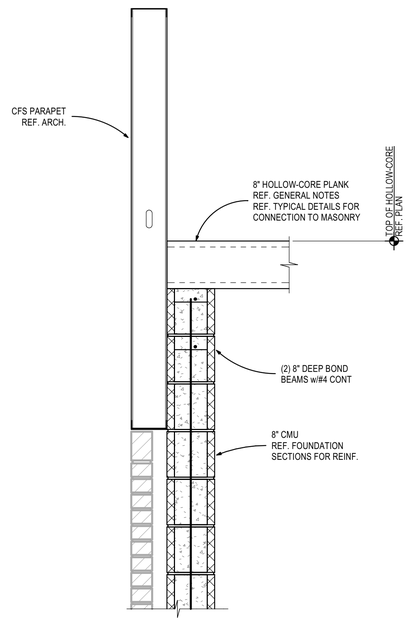


NORTH

ROOF FRAMING PLAN

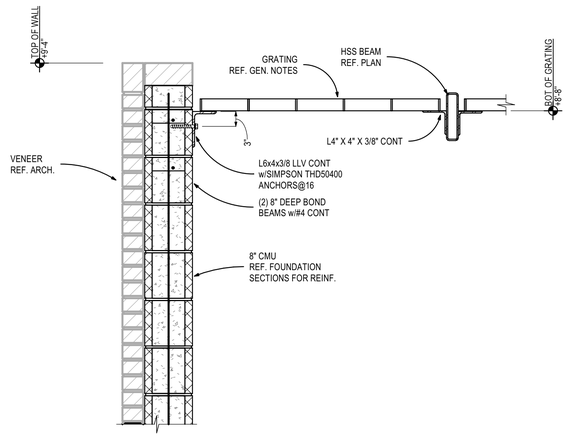
1/4" = 1'-0"

1.	TOP OF HOLLOW CORE ELEVATION: 12'-0", UNLESS NOTED.
2.	ROOF SYSTEM: 8" PRECAST HOLLOW-CORE PLANKS ON LOAD BEARING CONCRETE MASONTY WALLS.
3.	VERIFY ALL DIMENSIONS, ELEVATIONS, SLOPES, ETC. WITH ARCHITECTURAL DRAWINGS PRIOR TO THE START OF CONSTRUCTION.



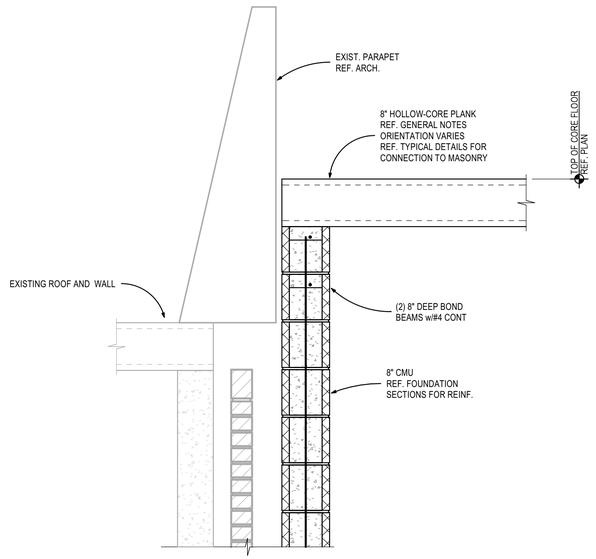
1 ROOF SECTION

1" = 1'-0"



2 ROOF SECTION

1" = 1'-0"



3 ROOF SECTION

1" = 1'-0"

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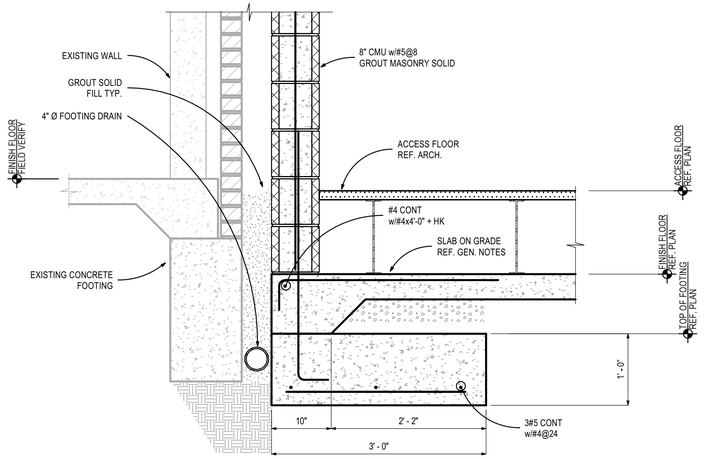
Sheet Description

ROOF FRAMING PLAN

Sheet Number

S2.1

HARVEST ENGINEERING
216 S 8TH STREET, SUITE 113
OPELIKA, AL 36801
PROJECT NO. 10125097



1 FOUNDATION SECTION
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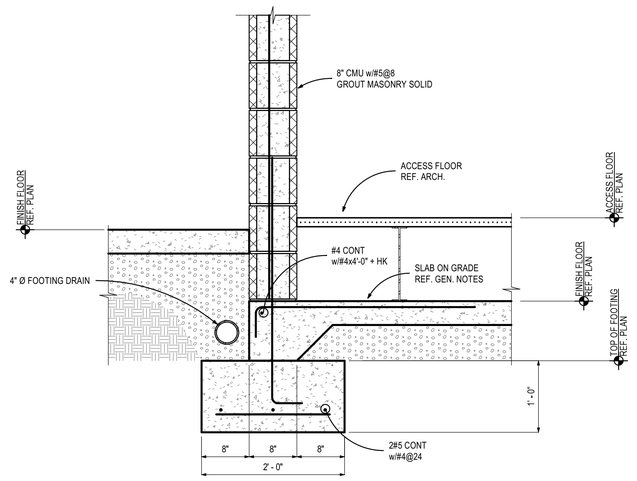

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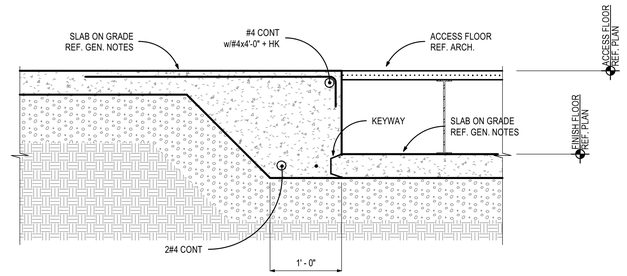

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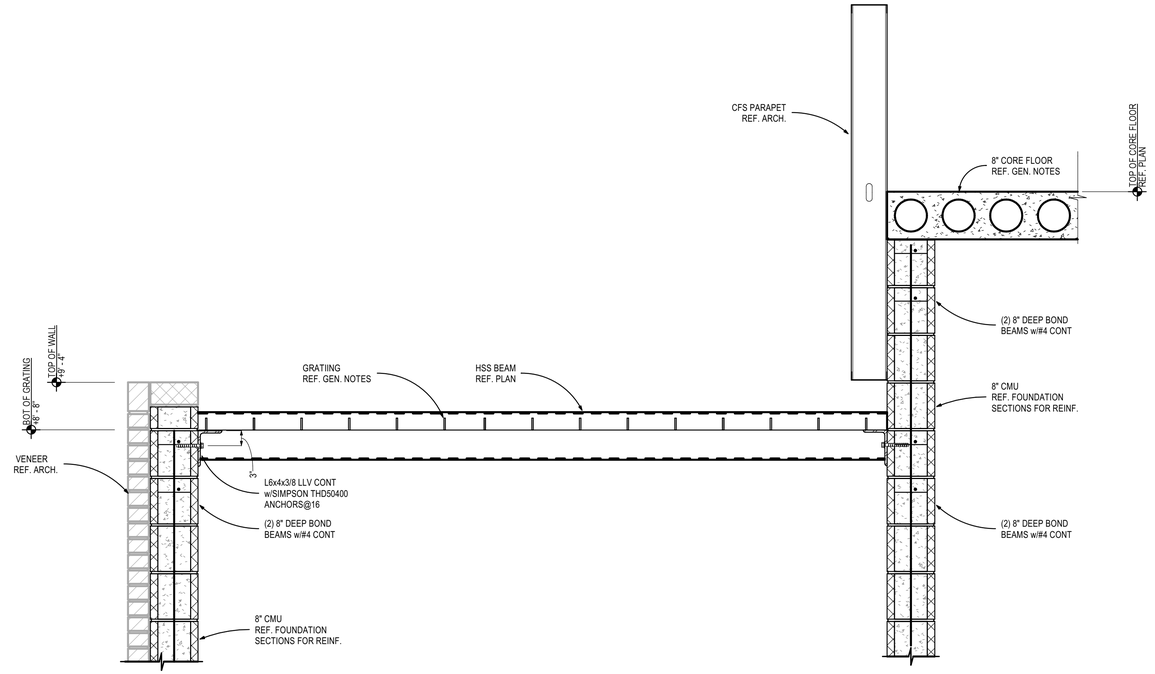
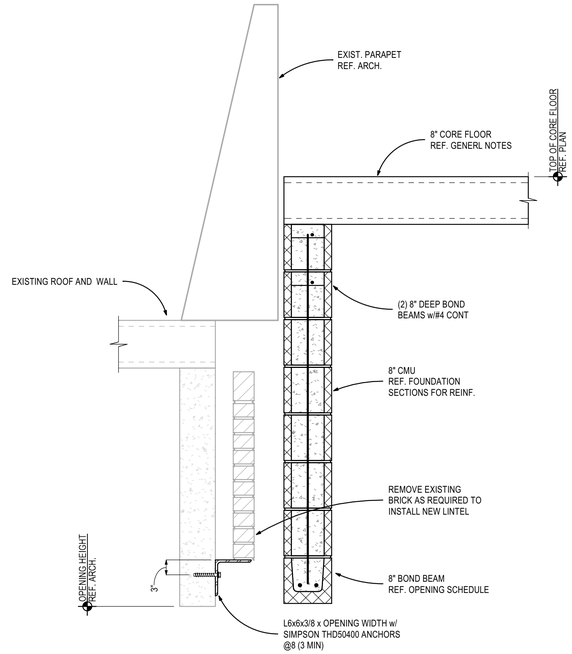


4 ROOF SECTION
1" = 1'-0"



5 ROOF SECTION
1" = 1'-0"

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DADEVILLE, AL

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Sheet Description

SECTIONS AND DETAILS

Sheet Number

S3.0

HARVEST ENGINEERING
216 S 8TH STREET, SUITE 113
OPELIKA, AL 36801
PROJECT NO. 10125097

GENERAL PLUMBING NOTES

1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, ACCESSORIES, AND CONTROLS COMPLETELY COORDINATED WITH ALL TRADES. ALL REQUIREMENTS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED TO. ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, LOCAL AUTHORITIES, AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE OWNER. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
2. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, HVAC, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
3. FIELD VERIFY EXACT SIZE, MATERIAL, AND LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING WORK.
4. VERIFY LOCATION OF ALL FIXTURES WITH ARCHITECTURAL PLANS.
5. VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ENGINEER AND ARCHITECT.
6. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS/WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
7. PROVIDE 12"x12" ACCESS PANEL FOR SHOCK ABSORBERS, TRAP PRIMERS, AND ALL VALVES LOCATED ABOVE NON–ACCESSIBLE CEILINGS AND INSIDE PIPE CHASES. EXACT LOCATION MUST BE COORDINATED WITH ARCHITECTURAL AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
8. ALL PIPING SHALL BE CONCEALED INSIDE WALLS, WITHIN PIPE CHASES, OR ABOVE CEILINGS. HOLD ALL PIPING ABOVE CEILING AS HIGH AS POSSIBLE.
9. COORDINATE ALL UNDERGROUND PIPING WITH GRADE BEAMS, WALL FOOTINGS, AND OTHER STRUCTURAL CONDITIONS.
10. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT INDICATED ON DRAWINGS FINAL CONNECTION SHALL INCLUDE ANY ADAPTORS, NIPPLES, SHUT–OFF VALVES, PRV'S, SHOCK ABSORBERS, BACKFLOW PREVENTION DEVICES, REGULATORS, ETC.
11. ALL STRUCTURAL PENETRATIONS (SLEEVES, BLOCK OUTS, ETC.) ARE TO BE LOCATED AND COORDINATED IN THE FIELD BY THE CONTRACTOR IN RELATION TO THE REQUIREMENTS OF FINAL EQUIPMENT AND FIXTURES SELECTED.
12. CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL DOMESTIC WATER AND SANITARY SEWERS, UNLESS OTHERWISE NOTED.
13. ALL PLUMBING COMPONENTS TO BE LEAD–FREE.
14. ENCASE ALL WASTE/WATER PIPING, VALVES, WATER HEATER, OR ANY OTHER ASSOCIATED PLUMBING EQUIPMENT BELOW WALL HUNG LAVATORY, WITH TRUEBRO LAV–SHIELD (OR APPROVED EQUAL). THIS APPLIES TO ALL ADA LAVS, LAVS WITH MIXING VALVES MOUNTED BELOW LAV, AND ALL LAVS THAT INCLUDE INSTANTANEOUS ELECTRIC WATER HEATERS MOUNTED BELOW LAVS. LAV GUARD SHALL INCLUDE STAINLESS STEEL TAMPER RESISTANT SCREWS. LAV–SHIELD SHALL BE ORDERED TO MATCH SPECIFIED/APPROVED LAVATORY.
15. HORIZONTAL DRAINAGE PIPING OF 2–1/2" DIAMETER OR LESS SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/4" PER FOOT. PIPING 3" AND LARGER SHALL BE INSTALLED WITH A FALL OF NOT LESS THAN 1/8" PER FOOT.
16. SET FLOOR DRAIN ELEVATION DEPRESSED BELOW FINISHED SLAB ELEVATION AS LISTED BELOW TO PROVIDE PROPER FLOOR SLOPE TO DRAIN:
    5 FOOT DRAIN RADIUS : 1/2" DEPRESSION
    10 FOOT DRAIN RADIUS : 3/4" DEPRESSION
    15 FOOT DRAIN RADIUS : 1" DEPRESSION
    20 FOOT DRAIN RADIUS : 1–1/4" DEPRESSION
    25 FOOT DRAIN RADIUS ; 1–1/2" DEPRESSION
17. ALL TRAP ARMS, P–TRAPS, ETC. EXPOSED UNDER LAVATORIES SHALL BE 18. GA. CHROME PLATED.
18. ABOVE GROUND DRAINAGE AND VENT PIPING LOCATED WITHIN FIRE RATED WALLS SHALL BE COPPER PIPE IN ACCORDANCE WITH STANDARDS ASTM B42 AND B302 OR CAST IRON PIPE IN ACCORDANCE WITH STANDARDS ASTM A 74; ASTM A 888; CISPI 301. COORDINATE WITH ARCHITECTURAL LIFE SAFETY PLANS FOR EXACT LOCATION OF ALL FIRE WALLS.
19. VERIFY ORIENTATION OF FLUSHING MECHANISM ON TOILET WITH ARCHITECT/ENGINEER PRIOR TO ROUGH–IN.
20. PROVIDE WATER PRESSURE REDUCING/REGULATING VALVE ON MAIN SERVICE WHEN MAIN PRESSURE EXCEEDS 75 PSI AT ANY TIME OF DAY. COORDINATE WITH LOCAL UTILITY.
21. PROVIDE REDUCED PRESSURE BACKFLOW PREVENTER AT ALL CONNECTIONS TO MECHANICAL EQUIPMENT. KITCHEN AND LAUNDRY EQUIPMENT, ETC., AS REQUIRED BY CODE AND BY LOCAL AUTHORITY. CONTRACTOR IS TO VERIFY WITH THE LOCAL AUTHORITY THE TYPE OF BACKFLOW PREVENTION DEVICE REQUIRED FOR ALL APPLICATIONS PRIOR TO INSTALLATION.
22. ALL OVERHEAD WATER PIPING SHALL BE INSTALLED BELOW CEILING INSULATION.
23. INSTALL BACKFLOW PREVENTION IN ACCORDANCE WITH CITY AND STATE REQUIREMENTS. INSTALL ON MAIN DOMESTIC WATER SERVICE TO THE BUILDING.
24. CONTRACTOR SHALL INSTALL WATER HAMMER ARRESTER EQUAL TO ZURN SERIES 1700 AT EACH PLUMBING GROUP.
25. CONTRACTOR TO FURNISH AND INSTALL ANTI–SIPHON VALVE ON EACH WATER HEATER.
26. CONTRACTOR SHALL FURNISH AND INSTALL BALL VALVES FOR WATER SHUT–OFF AT FIXTURE GROUPINGS.
27. ALL STOPS/SUPPLIES SHALL BE CHROME PLATED BRASS.

GAS PLUMBING NOTES

1. ALL GAS PIPING SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH NFPA 54, INTERNATIONAL FUEL GAS CODE.
2. ALL EXPOSED INTERIOR OR EXTERIOR GAS LINES ARE TO BE PAINTED BY THE PLUMBING CONTRACTOR WITH ONE COAT OF LATEX PAINT. INTERIOR COLOR TO MATCH WALL. EXTERIOR COLOR TO BE SELECTED BY ARCHITECT.
3. PROVIDE INSULATING UNION BETWEEN ABOVE AND BELOW GROUND GAS PIPING.
4. LABEL ALL GAS PIPING IN ACCORDANCE WITH 2021 INTERNATIONAL CODES (6 FT. CENTERS).
5. FURNISH AND INSTALL GAS PRESSURE REGULATING/REDUCING VALVES WITH LEAK LIMITING DEVICE AT EACH APPLIANCE. WHERE REGULATORS ARE NOT SELF–LIMITING TYPE, VENTS SHALL BE EXTENDED TO THE BUILDING EXTERIOR.

MIXING VALVE SCHEDULE

MARK NO.	MANUFACTURER'S MODEL NO.	TEMPERATURE (°F)	INLET	OUTLET
MV-1	POWERS SERIES LFLM495	SET AT 90°-110°	1/2"	1/2"

UNLESS OTHERWISE NOTED, MIXING VALVES SHALL CONFORM TO ASSE 1070 AND ASSE 1017

PLUMBING EQUIPMENT SCHEDULE

MARK NO.	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	MOUNT	MOUNT HEIGHT	WASTE SIZE	VENT SIZE	C.W. SIZE	H.W. SIZE	NOTES
WC-1A	WATER CLOSET TANK TYPE, ADA PRESSURE ASSISTED	ZURN MODEL NO. Z5560 OR APPROVED EQUAL	FLOOR	17" TO RIM	4"	2"	1/2"	-	WHITE ELONGATED VITREOUS CHINA, BEMIS 1955SS CT WHITE OPEN FRONT SOLID PLASTIC SEAT WITH STA TIGHT FASTENING SYSTEM, BOLT CAPS 12" ROUGH-IN, ZURN Z8800CR SUPPLY WITH STOP
L-1A	LAVATORY, ADA 20"X18"	ZURN MODEL NO. Z5344 OR APPROVED EQUAL	WALL	34" TO LIP	1-1/4"	1-1/4"	1/2"	1/2"	WHITE VITREOUS CHINA, OPEN GRID STRAINER, DELTA B510LF FAUCET, W/ 0.5 GPM AERATOR (OR ZURN Z7440-XL-FC), Z8700PC P-TRAP W/ CLEANOUT; Z8743PC GRID DRAIN, Z1231EZ CONCEALED ARM CARRIER; Z8800 LR PC SUPPLIES W/ STOPS
S-1	STAINLESS SINK TWO COMPARTMENT	JUST MODEL NO. DL-2133-A-GR OR APPROVED EQUAL	CABINET	-	1-1/2"	1-1/4"	1/2"	1/2"	ELKAY MODEL NO. LK-33S STRAINER, DELTA MODEL 100-DST (OR ZURN Z7870C-XL) 3 HOLE INSTALLATION; Z8800-LR-PC SUPPLIES WITH STOPS, 3" P-TRAP WITH CLEANOUT, 8" BOWL DEPTH
SH-1A	SHOWER PRE-FAB, ADA 38.5"Wx37"DX79"H	COMFORT DESIGNS MODEL NO. XST 3838 BF 1.0 RRF OR APPROVED EQUAL	FLOOR	-	2"	1-1/2"	1/2"	1/2"	DELTA MODEL T17TH33S SHOWER VALVE WITH DIVERTER (OR ZURN Z7301-SS-MT-DV2P-HW15-VB) HAND HELD SHOWER WITH 60" METAL HOSE; SUPPLY ELBOW, 24" GRAB / SLIDE BAR, FURNISH ZURN FD2275 SHOWER DRAIN

EQUALS BY EJER, KOHLER, TOTO, AND AMERICAN STANDARD WILL BE ACCEPTED.

PLUMBING SPECIALITY SCHEDULE

MARK NO.	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	MOUNT	MOUNT HEIGHT	WASTE SIZE	VENT SIZE	C.W. SIZE	H.W. SIZE	MIXED WATER SIZE	NOTES
FD-1	FLOOR DRAIN	ZURN MODEL NO. ZN-415B OR APPROVED EQUAL	FLOOR	-	4"	2"	-	-	-	5" DIA. NICKEL BRONZE ADJUSTABLE TOP PROSET SYSTEM INC. TG34IP RETROFIT TRAP GUARD
FD-2	FLOOR DRAIN W/ CLEANOUT	ZURN MODEL NO. Z-456 OR APPROVED EQUAL	FLOOR	-	4"	2"	-	-	-	5" DIA. NICKEL BRONZE ADJUSTABLE TOP BACKWATER VALVE; PROSET SYSTEM INC. TG34IP RETROFIT TRAP GUARD; FLUSH COVER FOR PLUG
WH-1	WALL HYDRANT	WOODFORD MODEL NO. B65 OR APPROVED EQUAL	WALL	18" TO 24"	-	-	3/4"	-	-	FREEZELESS, ANTI-SIPHON, LOCKING BOX
W.H.A.	WATER HAMMER ARRESTOR	ZURN SERIES 1700 OR APPROVED EQUAL	-	-	-	-	VARIES	VARIES	-	
WB-1	ICEMAKER WALLBOX	OATEY MODEL NO. 38574 OR APPROVED EQUAL	WALL	36" A.F.F.	-	-	1/2"	-	-	1/4 TURN BRASS BALL VALVE - COPPER SWEAT -STANDARD PACK WITH 6' STAINLESS STEEL HOSE
F.C.O.	FLOOR CLEANOUT	ZURN MODEL NO. ZN-1400-2 OR APPROVED EQUAL	FLOOR	-	4"	-	-	-	-	6" DIA. ADJUSTABLE NICKEL BRONZE TOP

EQUALS BY JAY R SMITH, ZURN, OATEY, OR JONES WILL BE ACCEPTED

SEWAGE GRINDER LIFT STATION SCHEDULE

MARK	FIXTURE TYPE	MANUFACTURER'S MODEL NO.	CAPACITY (GALLONS)	HP	VOLTAGE	MAX PUMPING HEIGHT (FT)	MAX FLOW RATE (GPM)	INLETS (UP TO 4)	OUTLET	NOTES
GP-1	GRINDER LIFT STATION	SFA- SANIFLO MODEL SANICUBIC 1 IP68 OR APPROVED EQUAL	8.5	1	120 **1 PH**	36	50	1-1/2" (2) 4" (2)	1-1/2"	1-1/2" VENT

OUTDOOR GAS WATER HEATER SCHEDULE

MARK NO.	MODEL NO.	BTU INPUT	RECOVERY GPH @ 45°/77° RISE	GAS CONN SIZE	WIDTH SIZE	DEPTH SIZE	HEIGHT SIZE	WATER CONN SIZE	APPROX SHIP WEIGHT	VOLTAGE
GWH-1	RHEEM NO RTGH-95DVLN OR APP'V EQUAL	199,000	8.4/4.9	3/4"	18-1/2"	9-3/4"	27-1/2"	3/4"	82	120-1-60

NOTES:
1. SINGLE COMMERCIAL WALL MOUNTED REMOTE CONTROL
2. STANDARD VENT DISCHARGE KIT
3. NATURAL GAS PRESSURE : 7" - 10.5" W.C.
4. INSTALLATION SHALL INCLUDE HEAT TRACING OF ALL WATER PIPING.
5. INSTALLATION SHALL INCLUDE SURFACE MOUNTED WALL BOX WITH PIPE ENCLOSURE CHASE.
6. ELECTRICAL IS 120-1-60 , 90 WATTS
7. INSTALLATION SHALL INCLUDE GAS PRESSURE REGULATOR TO REDUCE GAS PRESSURE FROM 2 PSIG TO 9 W.C.
8. WARRANTY: 12 YEARS HEAT EXCHANGER, 5 YEAR PARTS, 1 YEAR LABO
9. ENERGY STAR COMPLIANT

CIRCULATOR PUMP SCHEDULE

MARK NO.	TYPE	GPM	TOTAL HEAD FT. W.G.	MAXIMUM H.P.	MINIMUM EFFICIENCY	ELECTRICAL	DESIGN MFGR.	DESIGN MFGR. MODEL NO.	NOTES
CP-1	IN-LINE CENTRIF.	0-7	0-4.5	1/40	-	115-1-60	TACO	003-IQB	(1) (2)

NOTES:
1. SMARTPLUS HOT WATER RECIRCULATION PUMP FOR DOMESTIC WATER
2. 3/4" BRONZE SWEAT

PVC PIPE HANGER SPACING GUIDE

PVC PIPE SUPPORTS - SCHEDULE 40

MAXIMUM SUPPORT SPACING (FEET)

NPS (INCHES)	OPERATING TEMPERATURE (°F)		
	60	100	140
1/2	4.5	4	2.5
3/4	5	4	2.5
1	5.5	4.5	2.5
1–1/4	5.5	5	3
1–1/2	6	5	3
2	6	5	3
3	7	6	3.5
4	7.5	6.5	4
6	8.5	7.5	4.5
8	9	8	4.5

PVC PIPE SUPPORTS - SCHEDULE 80

MAXIMUM SUPPORT SPACING (FEET)

NPS (INCHES)	OPERATING TEMPERATURE (°F)		
	60	100	140
1/2	5	4.5	2.5
3/4	5.5	4.5	2.5
1	6	5	3
1–1/2	6.5	5.5	3.5
2	7	6	3.5
3	8	7	4
4	9	7.5	4.5
6	10	9	5
8	11	9.5	5.5

NOTE: PLASTIC PIPE SUPPORTS SHALL BE AS NOTED ABOVE UNLESS MANUFACTURER'S RECOMMENDATION IS MORE STRINGENT FOR THE APPLICATION.

CODES AND STANDARDS

- **2021 INTERNATIONAL PLUMBING CODE**
- **2021 INTERNATIONAL MECHANICAL CODE**
- **2021 INTERNATIONAL FIRE CODE**
- **2010 ADA STANDARDS FOR ACCESSIBLE DESIGN**
- **2013 ASHRAE 90.1**

PLUMBING LEGEND

SS — SANITARY SEWER		SV	BALL VALVE
V — VENT			RISER DOWN (ELBOW)
CW — COLD WATER			RISER UP (ELBOW)
140 — 140° HOT WATER			90° ELBOW
CD — CONDENSATE DRAIN			TEE
XSS — EXISTING SANITARY SEWER			CROSS
XCW — EXISTING COLD WATER		VTR	VENT THRU ROOF
X140 — EXISTING 140° HOT WATER		AAV	AIR ADMITTANCE VALVE (SBCCI APPROVED)
X140HWR — EXISTING 140° HOT WATER			CONNECT TO EXISTING
XLP — EXISTING LIQUID PROPANE			

PLUMBING DRAWING INDEX

PLUMBING SCHEDULES, LEGEND, AND NOTES

NOT TO SCALE

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DATE 01-08-2026
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TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

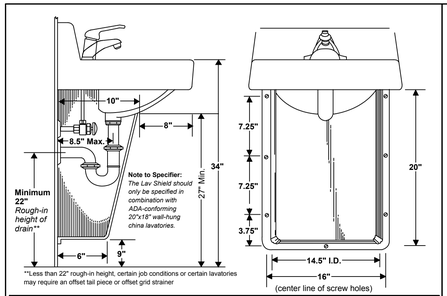
Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description

PLUMBING SCHEDULES, LEGEND, AND NOTES

Sheet Number

P1.1



**Less than 22" rough-in height, certain job conditions or certain lavatories may require an offset tail piece or offset grid strainer

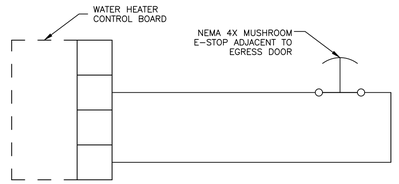
ENCASE ALL WASTE/WATER PIPING, VALVES, WATER HEATER, OR ANY OTHER ASSOCIATED PLUMBING EQUIPMENT BELOW WALL HUNG LAVATORY, WITH TRUEBRO LAV-SHIELD (OR APPROVED EQUAL). THIS APPLIES TO ALL ADA LAVS. LAVS WITH MIXING VALVES MOUNTED BELOW LAV, AND ALL LAVS THAT INCLUDE INSTANTANEOUS ELECTRIC WATER HEATERS MOUNTED BELOW LAVS. LAV GUARD SHALL INCLUDE STAINLESS STEEL TAMPER RESISTANT SCREWS. SPECIAL PRE-CUT FOR LAVATORY TO BE INSTALLED. LAV-SHIELD SHALL BE ORDERED TO MATCH SPECIFIED LAVATORY.

TYP. LAVATORY WITH "LAV SHIELD"

NOT TO SCALE

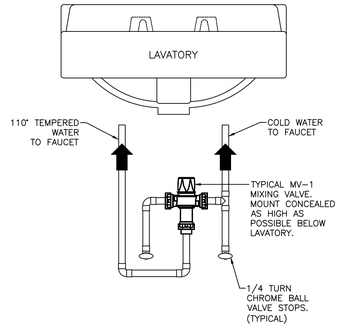
WIRE MUSHROOM E-STOP TO WATER HEATER CONTROL BOARD TO ENABLE/DISABLE HEATING OPERATION.

INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION INCLUDED WITHIN WATER HEATER INSTRUCTION MANUAL AND SERVICE HANDBOOK.



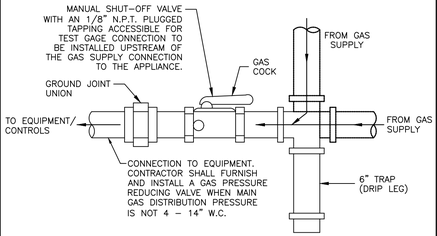
TYP. WATER HEATER EMERGENCY SHUT-OFF DETAIL

NOT TO SCALE



TYPICAL MIXING VALVE INSTALLATION

NOT TO SCALE



GAS CONNECTION TO EQUIPMENT DETAIL

NOT TO SCALE

Sanicubic® 1 GRINDER LIFT STATION – PART NO 089

Installation above ground

Installation below the ground

CONNECTIONS

- Discharge: 1-1/2"
- Inlet: Four 1–1/2" or 4"
- Vent: 1-1/2"

Wastewater (Residential, Commercial Applications)

The Sanicubic 1 is a 1 HP heavy duty simplex grinder system used to pump away wastewater from several bathrooms and fixtures from an entire building structure. This system is able to discharge the waste up to 36 feet vertical and/or 328 feet horizontal.

It incorporates a grinder system which is ideal for uncontrolled environments in both residential and commercial applications (ie. rental unit, offices, warehouses, etc). The Sanicubic 1 is designed to handle sanitary products that may have been flushed down the toilet; such may consist of condoms, sanitary napkins, q-tips, dental floss, etc.

PRODUCT FEATURES

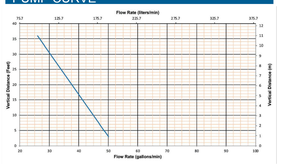
PERFORMANCE

- Maximum pumping height: 36 Ft (45 Ft Shut-off)
- Maximum flow rate: 50 GPM

ADVANTAGES

- Installed directly on the ground.
- Easy access for maintenance.
- Four inlets, two of which are low (1-1/2" and 4").
- System activates with a fail-proof air pressure switch system with triple redundancy.
- Stainless steel grinder.
- Integrated control panel with manual override.
- Rated IP68 with external control box and alarm standard.

PUMP CURVE



STANDARD ACCESSORIES OPTIONAL

Control box

Wired alarm unit

Descaler (Part NO 052) See page 28

TECHNICAL SPECIFICATIONS

Pump type:
Grinder

Electrical:
120 V – 60 Hz / 4.5 Amps (Max) - 220 240 V – 60 Hz (Part# 069)

Motor:
1 HP oil-filled thermally protected motor

Capacitor rating:
60 microfarad

Operating Temperature:
158°F

Power cord length:
80 inches

Noise level:
≤ 68 dBA (Lp) (measured at 3 ft.)

Discharge pipe diameter:
1–1/2"

Discharge rate at 36 ft:
26 GPM

Discharge rate at 3 ft:
50 GPM

Shut-off head:
45 ft.

Normal running time:
Depends on number of fixtures

Capacity:
8.5 gallons / 32.2 liters

Inlets:
1–1/2" or 4"(side), 1–1/2" or 4"(top)

Method of activation:
Pressure switch, Circuit board

Shower/bathtub base height:
10" min

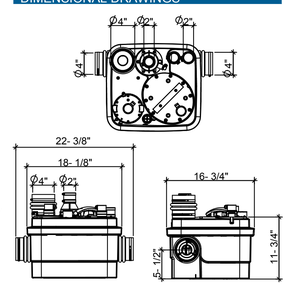
Weight:
50 lbs / 22.7 kg

Certifying agencies:
CSA (IPC, NSPC), IAPMO (UPC)

Recommended accessories:
Descaler

Connections:
Toilet, sink, shower/bathtub, washing machines (direct connection), etc.

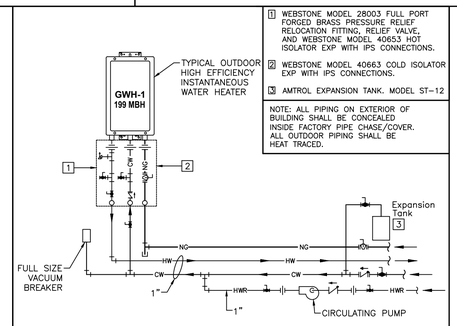
DIMENSIONAL DRAWINGS



NOTE: ALL PIPING TO AND FROM PUMP SHALL BE CONCEALED IN CHASES, WALLS, ETC. REFERENCE PLANS FOR ADDITIONAL INFORMATION.

GRINDER LIFT STATION DETAIL

NOT TO SCALE



OUTDOOR GAS WATER HEATER DETAIL

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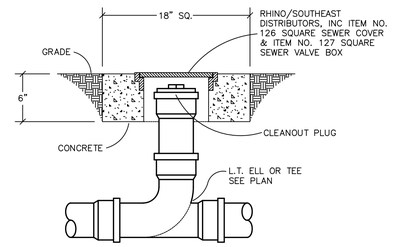

CLEANOUT UP TO GRADE

NOT TO SCALE

PLUMBING DETAILS

NOT TO SCALE

WHORTON ENGINEERING, INC.
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TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

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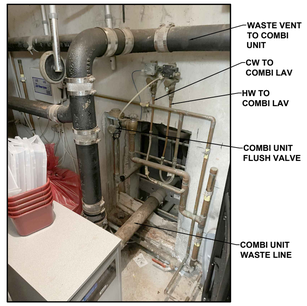
Sheet Description

PLUMBING DETAILS

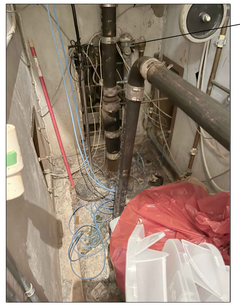
Sheet Number

P1.2

1 EX. PLUMBING CHASE DOOR
NOT TO SCALE



2 EX. PLUMBING CONNECTIONS IN CHASE
NOT TO SCALE

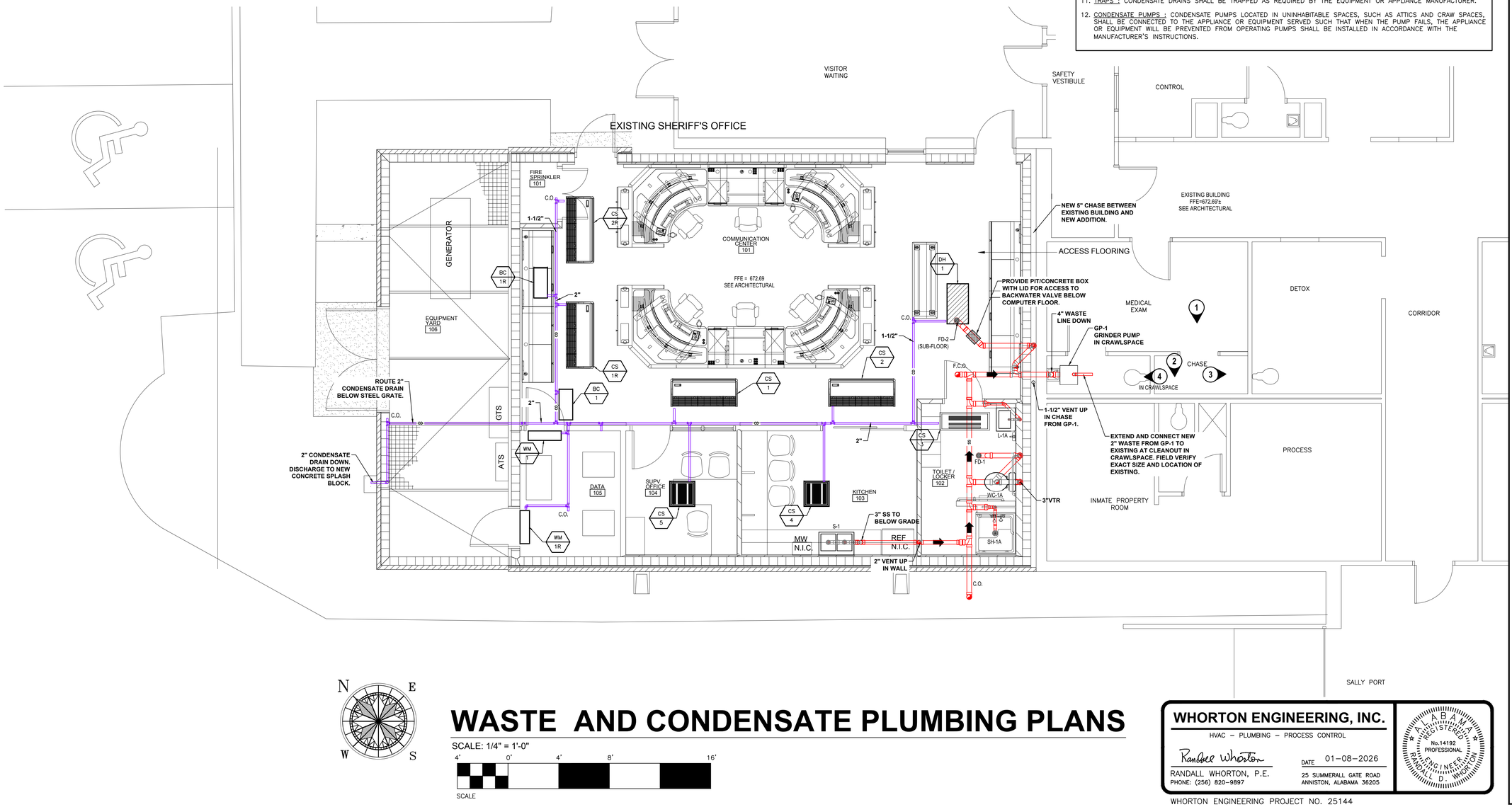


3 EX. PLUMBING CONNECTIONS IN CHASE
NOT TO SCALE

4 EX. WASTE CLEANOUT IN CRAWL SPACE
NOT TO SCALE

CONDENSATE PLUMBING NOTES

1. CONDENSATE PIPING, FITTINGS, & ACCESSORIES SHALL BE PROVIDED & INSTALLED IN ACCORDANCE WITH 2024 IMC SECTION 307.
2. SLOPE ALL CONDENSATE 1/8 INCH/FT (1% SLOPE)
3. CONDENSATE TO ALL UNITS SHALL BE IN ACCORDANCE W/ MANUFACTURER'S RECOMMENDATIONS AND THE INTERNATIONAL MECHANICAL CODE, SECTION 307 (2024 IMC)
4. ALL CONDENSATE FITTING SHALL BE SANITARY TYPE FITTINGS.
5. ALL CONDENSATE PIPING SHALL BE INSULATED WITH 1/2" ARMAFLEX INSULATION (OR APPROVED EQUAL). INSULATION SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
6. ALL CONDENSATE DRAIN PIPING LOCATED WITHIN RETURN AIR PLENUM, SHALL BE TYPE "L" COPPER. ALL COPPER PIPING MUST BE INSULATED WITH 1/2" ARMAFLEX OR APPROVED EQUAL. PIPING CAN ALSO BE SCHEDULE 40 CPVC WITH 3M FIRE BARRIER PLENUM WRAP 5A+ OR APPROVED EQUAL. COORDINATE WITH HVAC PLAN FOR REQUIREMENT AND LOCATION OF AIR PLENUM(S).
7. AN AUXILIARY DRAIN PAN WITHOUT A SEPARATE DRAIN LINE SHALL BE PROVIDED UNDER THE COILS ON WHICH CONDENSATE WILL OCCUR, SUCH PAN SHALL BE EQUIPPED WITH A WATER-LEVEL DETECTION DEVICE CONFORMING TO UL 508 THAT WILL SHUT OFF THE EQUIPMENT SERVED PRIOR TO OVERFLOW OF THE PAN. THE AUXILIARY DRAIN PAN SHALL HAVE A MINIMUM DEPTH OF 1-1/2 INCHES, SHALL BE NOT LESS THAN 3 INCHES LARGER THAN THE UNIT, OR THE COIL DIMENSIONS IN WIDTH AND LENGTH AND SHALL BE CONSTRUCTED OF CORROSION-RESISTANT MATERIAL. GALVANIZED SHEET STEEL PANS SHALL HAVE A MINIMUM THICKNESS OF NOT LESS THAN 0.0236 INCH (NO 24 GAGE). NONMETALLIC PANS SHALL HAVE A MINIMUM THICKNESS OF NOT LESS THAN 0.0625 INCH.
8. A WATER-LEVEL DETECTION DEVICE CONFORMING TO UL 508 SHALL BE PROVIDED THAT WILL SHUT OFF THE EQUIPMENT SERVED IN THE EVENT THAT THE PRIMARY DRAIN IS BLOCKED. THE DEVICE SHALL BE INSTALLED IN THE PRIMARY DRAIN LINE, THE OVERFLOW DRAIN LINE, OR IN THE EQUIPMENT-SUPPLIED DRAIN PAN, LOCATED AT A POINT HIGHER THAN THE PRIMARY DRAIN LINE CONNECTION AND BELOW THE OVERFLOW RIM OF SUCH PAN.
9. WATER-LEVEL MONITORING DEVICES : ON DOWN-FLOW UNITS AND ALL OTHER COILS THAT DO NOT HAVE A SECONDARY DRAIN OR PROVISIONS TO INSTALL A SECONDARY OR AUXILIARY DRAIN PAN, A WATER-LEVEL MONITORING DEVICE SHALL BE INSTALLED INSIDE THE PRIMARY DRAIN PAN. THIS DEVICE SHALL SHUT OFF THE EQUIPMENT SERVED IN THE EVENT THAT THE PRIMARY DRAIN BECOMES RESTRICTED. DEVICES INSTALLED IN THE DRAIN LINE SHALL NOT BE PERMITTED.
10. APPLIANCE, EQUIPMENT AND INSULATION IN PANS : WHERE APPLIANCES, EQUIPMENT OR INSULATION ARE SUBJECT TO WATER DAMAGE WHEN AUXILIARY DRAIN PANS FILL, THAT PORTION OF THE APPLIANCE, EQUIPMENT AND INSULATION SHALL BE INSTALLED ABOVE THE RIM OF THE PAN. SUPPORTS LOCATED INSIDE OF THE PAN TO SUPPORT THE APPLIANCE OR EQUIPMENT SHALL BE WATER RESISTANT AND APPROVED.
11. TRAPS : CONDENSATE DRAINS SHALL BE TRAPPED AS REQUIRED BY THE EQUIPMENT OR APPLIANCE MANUFACTURER.
12. CONDENSATE PUMPS : CONDENSATE PUMPS LOCATED IN UNINHABITABLE SPACES, SUCH AS ATTICS AND CRAW SPACES, SHALL BE CONNECTED TO THE APPLIANCE OR EQUIPMENT SERVED SUCH THAT WHEN THE PUMP FAILS, THE APPLIANCE OR EQUIPMENT WILL BE PREVENTED FROM OPERATING PUMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.



WASTE AND CONDENSATE PLUMBING PLANS

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

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HVAC – PLUMBING – PROCESS CONTROL
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REGISTERED ARCHITECT

TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

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Sheet Description

WASTE AND CONDENSATE PLUMBING PLANS

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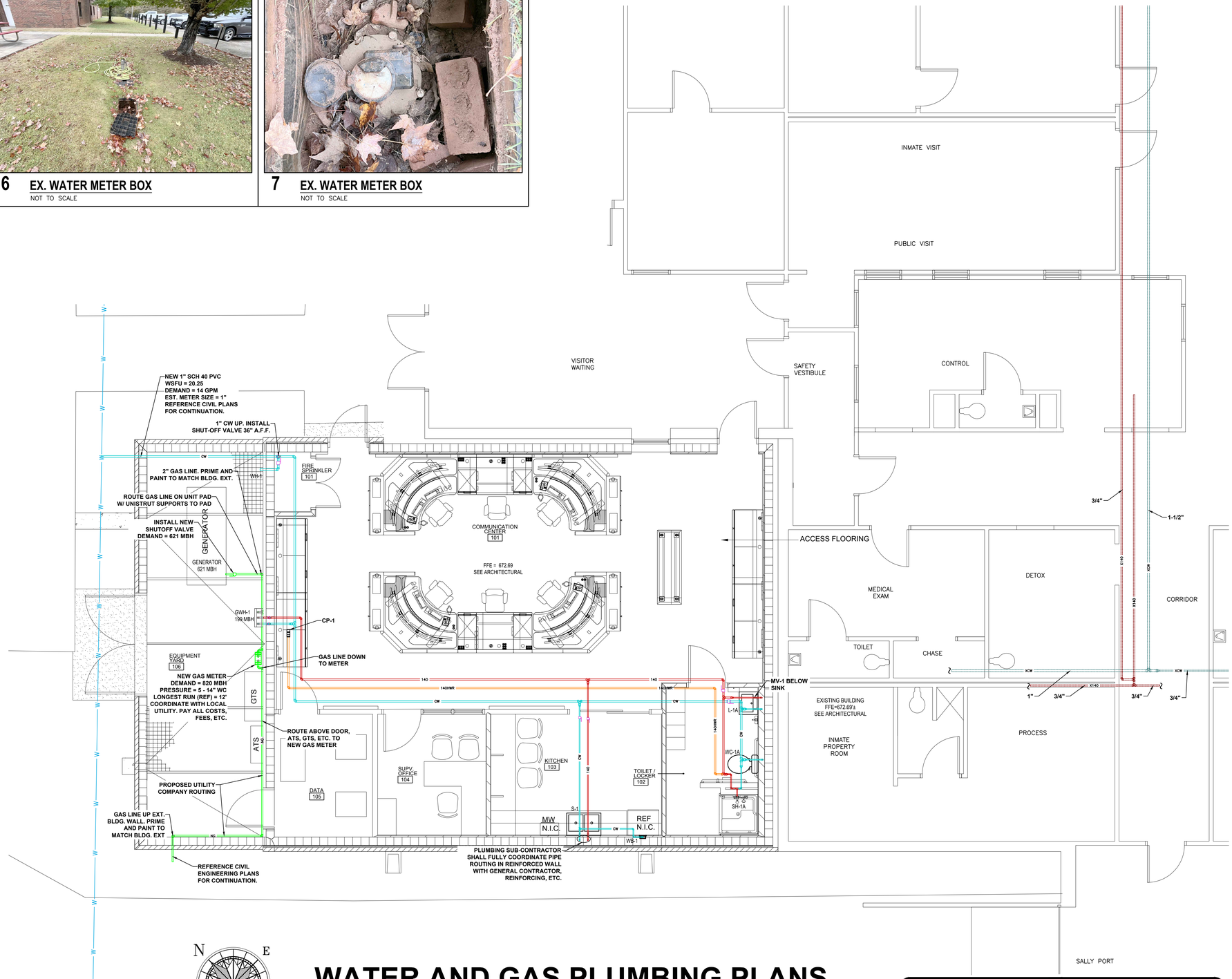
5 EX. GAS METER
NOT TO SCALE

6 EX. WATER METER BOX
NOT TO SCALE

7 EX. WATER METER BOX
NOT TO SCALE



WATER AND GAS PLUMBING PLANS

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

4' 0' 4' 8' 16'

SCALE

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WATER AND GAS PLUMBING PLANS

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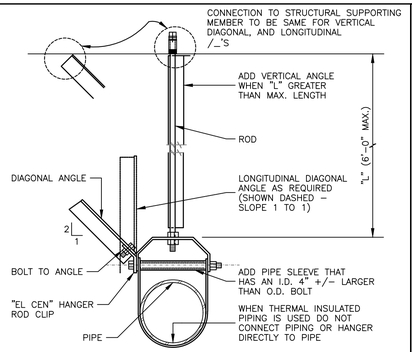
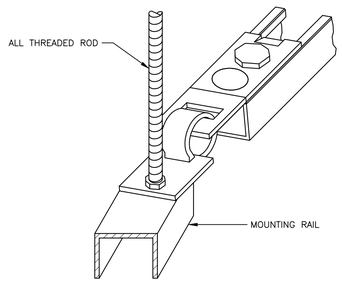


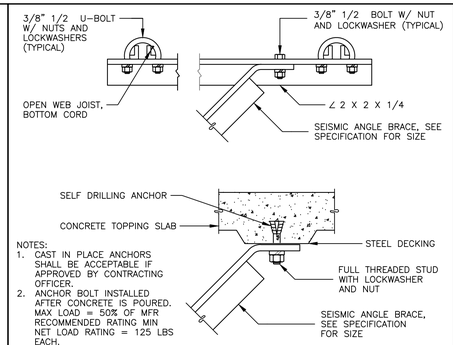
TYPICAL SEISMIC BRACING DETAIL (STORM SHELTER)

NOT TO SCALE



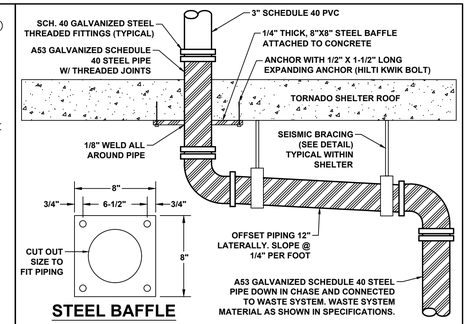
SEISMIC BRACE DETAIL (STORM SHELTER)

NOT TO SCALE



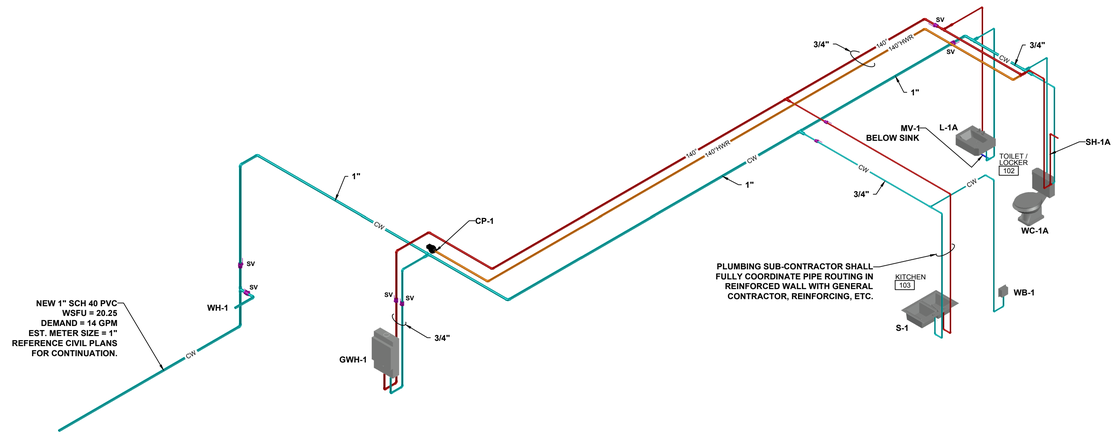
SEISMIC ANGLE BRACING DETAIL (STORM SHELTER)

NOT TO SCALE



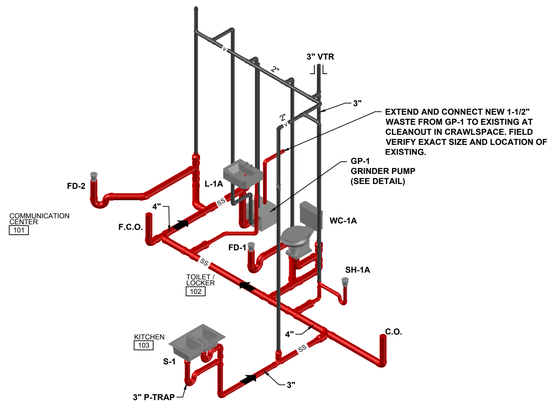
SANITARY SEWER/VENT (VERTICAL) STORM SHELTER PENETRATION DETAIL

NOT TO SCALE



WATER PLUMBING RISER DIAGRAM

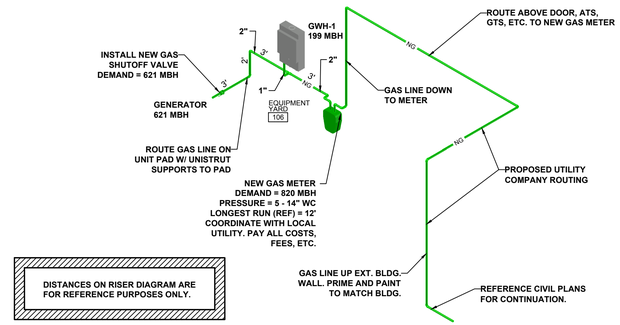
NOT TO SCALE



ALL BELOW SLAB WASTE PIPING SHALL BE 2" MINIMUM.

WASTE PLUMBING RISER DIAGRAM

NOT TO SCALE



DISTANCES ON RISER DIAGRAM ARE FOR REFERENCE PURPOSES ONLY.

GAS PLUMBING RISER DIAGRAM

NOT TO SCALE

PLUMBING RISER DIAGRAMS

NOT TO SCALE

WHORTON ENGINEERING, INC.

HVAC – PLUMBING – PROCESS CONTROL

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PLUMBING RISER DIAGRAMS

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HVAC NOTES

1. ALL DUCT DIMENSIONS SHOWN ARE NET INTERNAL.
2. INSTALL OPPOSED BLADE BALANCING DAMPERS IN ALL NEW DIFFUSERS AND GRILLES.
3. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE HVAC SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL REQUIREMENTS OF THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH. ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE HVAC SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE CONTRACT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
4. COORDINATE DUCTWORK AND PIPING WITH STRUCTURAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS, ETC. COORDINATE WITH OTHER TRADES WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
5. REFER TO ARCHITECTURAL CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES; COORDINATE EXACT LOCATION OF GRILLES, REGISTERS, AND DIFFUSERS WITH ARCHITECTURAL AND INTERIOR REFLECTED CEILING PLANS AND LIGHTING FIXTURES. FOR PARTICULAR ITEMS NOT SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN, PREPARE A DRAWING AND PRESENT IT TO THE ARCHITECT FOR REVIEW AND/OR APPROVAL.
6. COORDINATE ALL ROOF AND SLAB PENETRATIONS WITH THE STRUCTURAL ENGINEER. TRANSITIONS RECTANGULAR DUCTWORK ON THE BOTTOM AND THE SIDES. MAINTAIN DUCTWORK LEVEL AS HIGH AS POSSIBLE UNLESS NOTED OTHERWISE.
7. THE HVAC CONTRACTOR IS TO REVIEW THE ENTIRE SET OF PLANS FOR COORDINATION WITH OTHER TRADES. SHOP DRAWINGS WITH ALL TRADES COORDINATED WILL BE REQUIRED.
8. THE HVAC CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS FOR FINAL LOCATIONS OF ALL RATED WALLS, CEILINGS, FLOORS, ETC. THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL FIRE OR FIRE/SMOKE DAMPERS IN ALL RATED LOCATIONS WHETHER SHOWN ON THE MECHANICAL PLANS OR NOT.
9. CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH PIECE OF EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
10. ALL THREE PHASE EQUIPMENT SHALL BE EQUIPPED WITH PHASE LOSS PROTECTION.
11. ALL MOTOR STARTERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR.
12. CONTRACTOR TO COORDINATE ALL CEILING TYPES WITH DIFFUSERS. ALL DIFFUSERS IN GYPSUM CEILING SHALL INCLUDE PLASTER FRAME.
13. ALL DISTRIBUTION DEVICES SHALL HAVE FACE OPERABLE DAMPERS. ALL DIFFUSER RUNOUTS SHALL INCLUDE SPIN-IN WITH DAMPER IN ROUND DUCTS.
14. INSULATE TOP SIDE/BACK OF ALL DIFFUSERS/GRILLES, ETC.
15. CONDENSATE DRAIN PIPING SHALL BE SLOPED A MINIMUM OF 1/8" PER FOOT AND SHALL BE SIZED PER TABLE 307.2.2 IN THE 2021 INTERNATIONAL MECHANICAL CODE UNLESS SHOWN LARGER ON PLANS.
16. ALL 3/4" AND 1" CONDENSATE DRAIN TRAPS SHALL BE EZ-TRAP OR APPROVED EQUAL WITH FLOAT SWITCH.
17. INSTALL AUXILIARY DRAIN PAN UNDER ALL UNITS MOUNTED IN ATTIC, ABOVE CEILINGS, ETC. INSTALL FLOAT SWITCH FOR UNIT SHUT DOWN IN AUXILIARY DRAIN PAN.
18. REFERENCE PLUMBING PLANS FOR CONDENSATE PIPING. IF CONDENSATE DRAINS ARE NOT SHOWN ON THE PLUMBING PLANS, ALL CONDENSATE DRAINS SHALL BE FURNISHED AND INSTALLED BY THE HVAC CONTRACTOR.
19. VERIFY WITH THE ARCHITECTURAL DRAWINGS, SIZE, LOCATION, AND MOUNTING HEIGHT OF ALL LOUVERS. VERIFY COLOR AND FINISH WITH ARCHITECT.
20. ALL UNUSED PORTION OF LOUVERS SHALL BE CAPPED OFF WITH 1" INSULATED ALUMINUM AND SEALED AIR/WATER TIGHT.
21. ALL THERMOSTATS TO BE AUTOMATIC CHANGE OVER TYPE AND SHALL INCLUDE LOCKING THERMOSTAT COVERS.
22. ALL THERMOSTATS TO BE MOUNTED 4'-0" A.F.F. TO HIGHEST OPERABLE CONTROL UNLESS OTHERWISE INDICATED.
23. ALL REFRIGERANT LINES SHALL BE SIZED/APPROVED BY THE EQUIPMENT VENDOR/COMPRESSOR MANUFACTURER.
24. ALL EXTERIOR EXPOSED ARMAFLEX INSULATION SHALL BE ARMAFLEX SHIELD WITH UV RESISTANT COATING.
25. PORTIONS OF DUCTWORK VISIBLE THROUGH GRILLES, REGISTERS, AND DIFFUSERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK.
26. FLEXIBLE DUCT (SUPPLY RUNOUTS ONLY) SHALL NOT EXCEED 6'-0" IN LENGTH.
27. DUCTWORK SHALL BE INSULATED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:
    RECTANGULAR SUPPLY: 1" INTERNAL
    ROUND SUPPLY: 1-1/2" EXTERNAL
    FLEXIBLE SUPPLY: 1" PRE INSULATED
    RECTANGULAR RETURN: 1" INTERNAL
    OSA/EXHAUST: 1-1/2" EXTERNAL
28. DUCTWORK SHALL BE GALVANIZED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
29. LABEL ALL DUCTS WITH TYPE (SUPPLY, RETURN, ETC.) AND ARROWS INDICATING DIRECTION OF AIR FLOW. LABELS SHALL BE EVERY SIX FEET AND AT EACH CHANGE OF DIRECTION (T'S, ELBOWS, ETC.)
30. ROUND DUCT SHALL BE INSULATED WITH DUCT WRAP EQUAL TO CERTAINTEED SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 75 WITH MINIMUM INSTALLED R-VALUE 4.2. ROUND DUCTS LOCATED WITHIN THE ATTIC SHALL BE INSULATED WITH DUCT WRAP EQUAL TO CERTAINTEED SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 100 WITH MINIMUM INSTALLED R-VALUE 6.0
31. ALL OPEN ENDED DUCT SHALL BE CAPPED WITH 1/2"X1/2" WIRE MESH.
32. ALL EXPOSED DUCT SHALL BE INSULATED INTERNALLY WITH 1" DUCT LINER EQUAL TO CERTAINTEED TG2 DUCT LINER WITH MINIMUM INSTALLED R-VALUE 4.0.
33. ALL EXPOSED DUCT SHALL BE PAINTED. DUCT SHALL BE "PAINT GRIP". COORDINATE PAINT COLOR WITH ARCHITECT.
34. DUCT LINER FOR RECTANGULAR DUCTS SHALL BE EQUAL TO CERTAINTEED TG2 DUCT LINER WITH A MINIMUM R-VALUE OF 4.0. RECTANGULAR DUCTS LOCATED WITHIN THE ATTIC SHALL BE LINED WITH DUCT LINER EQUAL TO CERTAINTEED TG2 DUCT LINER WITH A MINIMUM R-VALUE OF 4.0 AND WRAPPED EXTERNALLY WITH DUCT WRAP EQUAL TO CERTAINTEED SOFT TOUCH DUCT WRAP WITH FSK VAPOR RETARDER FACING TYPE 75 WITH A MINIMUM INSTALLED R-VALUE OF 4.2.
35. UNLESS OTHERWISE NOTED, WARRANTIES SHALL BEGIN AT DATE OF SUBSTANTIAL COMPLETION. ALL COMPRESSORS SHALL INCLUDE MIN. OF FIVE YEAR WARRANTY. ONE YEAR WARRANTY FOR LABOR, PARTS, UNITS, ETC. IS REQUIRED FOR ALL EQUIPMENT.
36. CONTRACTOR SHALL ANCHOR OUTDOOR UNITS TO CONCRETE PAD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, WIND LOAD REQUIREMENTS, AND AS PER PLANS/SPECIFICATIONS. COORDINATE CONCRETE PAD SIZE, UNIT CLEARANCES, ETC. WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.
37. THE CONTRACTOR SHALL INSTALL ANY CURB-MOUNTED EQUIPMENT IN SUCH A WAY THAT NO WATER LEAKAGE IS INTRODUCED INTO THE BUILDING.
38. ALL INDOOR AND OUTDOOR UNITS SHALL BE LOCATED SO THAT MAINTENANCE CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND AS PER PLANS/SPECIFICATIONS ARE MAINTAINED. COORDINATE MAINTENANCE CLEARANCES WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.

HVAC LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING DIFFUSER - SUPPLY RECTANGULAR WITH ROUND NECK 4-WAY THROW UNLESS OTHERWISE INDICATED		MANUAL VOLUME DAMPER OPPOSED BLADE		VANED TEE (PROVIDE ALL SQUARE OR RECTANGULAR TEE'S WITH VANES EVEN IF SYMBOL IS MISSING)
	CEILING DIFFUSER - RETURN RECTANGULAR WITH SQUARE NECK	M	LOW LEAKAGE MOTORIZED VOLUME DAMPER		STANDARD DUCT SIZE TRANSITION
	SIDEWALL DIFFUSER - SUPPLY WITH MULTI-VANE DEFLECTOR	T	THERMOSTAT LOCATION		STANDARD SQUARE TO ROUND TRANSITION
	SIDEWALL DIFFUSER - RETURN WITH 30° FIXED DEFLECTION	H	HUMIDISTAT LOCATION	CD	HVAC CONDENSATE DRAIN PIPING
XX-X XXX CFM	DIFFUSER TAG REFERENCE SCHEDULE FOR SIZING		STANDARD 90° RADIUS ELBOW	R	HVAC REFRIGERANT LINE
	CEILING EXHAUST FAN		STANDARD 45° RADIUS ELBOW		ELECTRIC UNIT HEATER WALL MOUNTED (RECESSED)
12"X12"	NEW RECTANGULAR DUCT WIDTH X DEPTH		90° VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)		
10"ø	NEW ROUND DUCT DIAMETER		45° VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)		

EXHAUST FAN SCHEDULE

MARK NO.	MOUNTING	CFM	STATIC IN W.G.	SONES	WATTS	VOLTAGE	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	WEIGHT (LBS.)	NOTES
EF 1	CEILING	125	0.25	1.7	90	115-1-60	LOREN COOK	GC-340	25	SEE BELOW

1. FAN TO INCLUDE FACTORY MOUNTED/PRE-WIRED FAN SPEED CONTROL.
2. FAN TO BE SWITCHED WITH LIGHTING.

APPROVED EQUALS: BREIDERT, GREENHECK, AND PENN.

WALL MOUNTED ELECTRIC HEATER SCHEDULE

MARK NO.	NOMINAL CFM	VOLTAGE	WATTS	BTU/HR	AMPS	MANUFACTURER (OR APPROVED EQUAL)	UNIT MODEL NO.	UNIT WEIGHT (LBS)	NOTES
WEH 1	100	208-1-60	1,500	5,120	7.2	BERKO	FRC4024F	25	SEE BELOW

1. UNIT TO INCLUDE BUILT-IN TAMPER-PROOF THERMOSTAT.
2. UNIT TO INCLUDE FACTORY DISCONNECT SWITCH - MOUNTED BEHIND FRONT GRID PANEL.
3. UNIT TO INCLUDE THERMAL CUTOUT.
4. UNIT TO INCLUDE SEMI-RECESSED MOUNTING FRAME.
5. UNIT TO BE MOUNTED AT 16" AFF.

APPROVED EQUALS: INDEECO, MARKEL, QMARK, AND RAYWALL

LOUVER SCHEDULE

MARK NO.	MOUNTING	SIZE W X H	BLADE ANGLE	BLADE CENTERS	MIN. FREE AREA	MINIMUM FREE AREA SQ. FT.	MAXIMUM PRESSURE DROP IN W.G.	CFM	MODEL NO. DATA		NOTES
									MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	
L 1	SIDE WALL	16"X16"	45°	2"	32%	0.55	0.10	125	GREENHECK	AFL-501	SEE BELOW
L 2	SIDE WALL	16"X16"	45°	2"	32%	0.55	0.10	200	GREENHECK	AFL-501	SEE BELOW

1. LOUVER TO INCLUDE FLANGE FRAME AND KYNAR FINISH. VERIFY FINAL COLOR AND FINISH WITH ARCHITECT. VERIFY QUANTITY WITH PLANS.
2. LOUVER TO INCLUDE 2'-0" DEEP PLENUM BOX ON INTERIOR OF LOUVER. SIZE TO MATCH LOUVER SIZE.
3. LOUVER TO COMPLY WITH ICC 500, FEMA 320, AND FEMA 361 STANDARDS. ENTIRE INSTALLATION SHALL COMPLY WITH ICC 500 REQUIREMENTS. COORDINATE FACTORY RECOMMENDED ANCHORING AND INSTALLATION PROCEDURES WITH LOUVER MANUFACTURER.
4. LOUVER TO INCLUDE GREENHECK MODEL ESD-435 LOUVER (OR APPROVED EQUAL) MOUNTED DIRECTLY BEHIND LOUVER TO PREVENT RAIN PENETRATION. BACK LOUVER SHALL INCLUDE EXTENDED SILL.

APPROVED EQUALS: RUSKIN AND UNITED ENERTECH.

CODES AND STANDARDS

- **2021 INTERNATIONAL PLUMBING CODE**
- **2021 INTERNATIONAL MECHANICAL CODE**
- **2021 INTERNATIONAL ENERGY CONSERVATION CODE**
- **2010 ADA STANDARDS FOR ACCESSIBLE DESIGN**
- **ASHRAE 90.1-2013 ENERGY STANDARD**

HVAC DRAWING INDEX

HVAC LEGEND, NOTES, AND SCHEDULES

WHORTON ENGINEERING, INC.
HVAC - PLUMBING - PROCESS CONTROL
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VRF INDOOR EQUIPMENT SCHEDULE (CEILING SUSPENDED)

MARK NO.	NOMINAL FAN CFM	COOLING CAPACITY			HEATING CAPACITY	MODEL NO. DATA		ELECTRICAL			NET WEIGHT (LBS.)	ASSOCIATED OUTDOOR UNIT	NOTES
		TOTAL CAPACITY (MBH)	CONDENSER E.A.T.	EVAPORATOR E.W.B. TEMP.	HIGH TEMP 47° E.A.T. (MBH)	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	VOLTAGE	MCA (A)	MOCP (A)			
CS 1	635	24.0	95	80/67	27.0	MITSUBISHI	PCFY-P24	208/230-1-60	0.52	15	71	HRU-1	SEE BELOW
CS 2	985	30.0	95	80/67	34.0	MITSUBISHI	PCFY-P30	208/230-1-60	1.22	15	79	HRU-1	SEE BELOW
CS 1R	635	24.0	95	80/67	27.0	MITSUBISHI	PCFY-P24	208/230-1-60	0.52	15	71	HRU-1R	SEE BELOW
CS 2R	985	30.0	95	80/67	34.0	MITSUBISHI	PCFY-P30	208/230-1-60	1.22	15	79	HRU-1R	SEE BELOW
TOTAL		108.0			122.0								

1. ALL UNITS TO INCLUDE INTERNAL FACTORY CONDENSATE PUMP.
2. ALL UNITS TO INCLUDE WALL MOUNTED SMART ME CONTROLLER AND WALL MOUNTED REMOTE TEMPERATURE SENSOR.
3. REFRIGERANT R-410A.
4. ALL UNITS TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT MOUNTED INSIDE CEILING SUSPENDED UNIT PER MANUFACTURER'S RECOMMENDATION. IONIZATION UNIT SHALL BE POWERED FROM ASSOCIATED UNIT.
5. OUTSIDE AIR IS SUPPLIED THROUGH OUTSIDE AIR UNIT DIRECTLY INTO SPACE.
6. ALL UNITS TO INCLUDE FACTORY START-UP.

VRF INDOOR EQUIPMENT SCHEDULE (CEILING CASSETTE)

MARK NO.	NOMINAL FAN CFM	COOLING CAPACITY			HEATING CAPACITY	MODEL NO. DATA		ELECTRICAL			NET WEIGHT (LBS.)	ASSOCIATED OUTDOOR UNIT	NOTES
		TOTAL CAPACITY (MBH)	CONDENSER E.A.T.	EVAPORATOR E.W.B. TEMP.	HIGH TEMP 47° E.A.T. (MBH)	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	VOLTAGE	MCA (A)	REC. FUSE (A)			
CS 3	305	6.0	95	80/67	6.7	MITSUBISHI	PMFY-P06	208/230-1-60	0.25	15	38	HRU-1	SEE BELOW
CS 4	315	8.0	95	80/67	9.0	MITSUBISHI	PLFY-P08	208/230-1-60	0.30	15	35	HRU-1	SEE BELOW
CS 5	280	5.0	95	80/67	5.6	MITSUBISHI	PLFY-P05	208/230-1-60	0.24	15	35	HRU-1	SEE BELOW
TOTAL		19.0			21.3								

1. ALL UNITS TO INCLUDE INTERNAL FACTORY CONDENSATE PUMP.
2. ALL UNITS TO INCLUDE WALL MOUNTED SMART ME CONTROLLER AND WALL MOUNTED REMOTE TEMPERATURE SENSOR.
3. REFRIGERANT R-410A.
4. CASSETTE UNIT CS-3 SHALL BE ONE-WAY CEILING CASSETTE UNIT.
5. CASSETTE UNIT CS-4 AND CS-5 SHALL BE 24"X24" TO MATCH STANDARD LAY-IN CEILING TILE GRID.
6. CASSETTE UNIT FRAME SHALL NOT IMPEDE ACCESS TO ADJACENT ITEMS SUCH AS CEILING LIGHTS, ETC.
7. ALL UNITS TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT MOUNTED INSIDE CEILING CASSETTE PER MANUFACTURER'S RECOMMENDATION. IONIZATION UNIT SHALL BE POWERED FROM ASSOCIATED UNIT.
8. OUTSIDE AIR IS SUPPLIED THROUGH DEHUMIDIFIER DIRECTLY INTO SPACE.
9. ALL UNITS TO INCLUDE FACTORY START-UP.

VRF INDOOR EQUIPMENT SCHEDULE (WALL MOUNT)

MARK NO.	NOMINAL FAN CFM	COOLING CAPACITY			HEATING CAPACITY	MODEL NO. DATA		ELECTRICAL			NET WEIGHT (LBS.)	ASSOCIATED OUTDOOR UNIT	NOTES
		TOTAL CAPACITY (MBH)	CONDENSER E.A.T.	EVAPORATOR E.W.B. TEMP.	HIGH TEMP 47° E.A.T. (MBH)	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	VOLTAGE	MCA (A)	MOCP (A)			
WM 1	295	12.0	95	80/67	13.5	MITSUBISHI	PKFY-P12	208/230-1-60	0.24	15	25	HRU-1	SEE BELOW
WM 1R	295	12.0	95	80/67	13.5	MITSUBISHI	PKFY-P12	208/230-1-60	0.24	15	25	HRU-1R	SEE BELOW
TOTAL		24.0			27.0								

1. ALL UNITS TO INCLUDE FACTORY CONDENSATE PUMP WITH LINE SET/CONDENSATE PUMP ENCLOSURE KIT. (CONDENSATE PUMP APPROVED EQUALS: LITTLE GIANT EC-1K AND ASPEN/AIRTEC MINI AND MAXI LIME)
2. ALL UNITS TO INCLUDE WALL MOUNTED SMART ME CONTROLLER AND WALL MOUNTED REMOTE TEMPERATURE SENSOR.
3. REFRIGERANT R-410A.
4. ALL UNITS TO INCLUDE FACTORY START-UP.

VRF OUTDOOR EQUIPMENT SCHEDULE

MARK NO.	MODEL NO. DATA		CAPACITY					ELECTRICAL				NET WEIGHT (LBS.)	NOTES
	MANUFACTURER (OR APPROVED EQUAL)	MODEL NO.	AHRI EER	AHRI IEER	AHRI COP	COOLING MBH	HEATING MBH	VOLTAGE	MCA (A)	MOCP (A)	REC. FUSE (A)		
HRU 1	MITSUBISHI	PURY-P96	11.5	23.8	4.14 (NON-DUCTED INDOOR UNIT)	96	108	208/230-3-60	40/37	60/50	40/40	576	SEE BELOW
HRU 1R	MITSUBISHI	PURY-P72	11.9	23.0	4.09 (NON-DUCTED INDOOR UNIT)	72	80	208/230-3-60	30/27	50/45	30/30	483	SEE BELOW
TOTAL						168	188						

1. R-410A REFRIGERANT, VARIABLE REFRIGERANT VOLUME, HEAT RECOVERY.
2. SYSTEM SHALL INCLUDE ONE BUILDING MASTER CONTROLLER (AE-200A). REFERENCE PLANS FOR LOCATION. BUILDING MASTER CONTROLLER SHALL BE TOUCH SCREEN WITH INTEGRAL BACNET GATEWAY FOR INTEGRATION TO BUILDING AUTOMATION SYSTEM.
3. SYSTEM SHALL INCLUDE ONE HVAC MAINTENANCE TOOL AND SOFTWARE ON PORTABLE DRIVE WHICH SHALL BE STORED IN CONTROL PANEL ENCLOSURE. CONTRACTOR SHALL DEMONSTRATE/TEST UNITS UTILIZING MAINTENANCE TOOL WITH ENGINEER.
4. MITSUBISHI CONTROL DRAWINGS WITH M-NET ADDRESSES LABELED SHALL BE LAMINATED AND INSTALLED AT MITSUBISHI CONTROL PANEL. DRAWINGS SHALL INCLUDE M-NET ADDRESS, UNIT MARK NUMBER, REFRIGERANT LINE LENGTHS, AND REFRIGERANT CHARGE (R-410A).
5. WITHIN THE BUILDING MASTER CONTROLLER, UNITS SHALL BE LABELED WITH UNIT MARK NUMBER TO MATCH PLANS AND ROOM NAME/ROOM NUMBER.
6. CONTRACTOR SHALL COMPLETE THE STARTUP DOCUMENTATION AS PER THE MANUFACTURER'S INSTRUCTIONS TO CERTIFY THE SYSTEM FOR THE EXTENDED 10-YEAR PARTS AND 10-YEAR COMPRESSOR WARRANTIES.
7. ALL UNITS SHALL BE INSTALLED ON DIVERSITECH QUICKSLING NEXT GENERATION SUPER STAND VRF EQUIPMENT STAND (OR APPROVED EQUAL). EACH EQUIPMENT STAND FRAME SHALL BE SECURELY ANCHORED TO CONCRETE PAD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, WIND LOAD REQUIREMENTS, AND AS PER PLANS/SPECIFICATIONS.
8. APPROXIMATE VRF OUTDOOR EQUIPMENT REFRIGERANT PIPING SIZE:
   - UNIT HRU-1: LIQUID PIPE (HIGH PRESSURE) 3/4" BRAZED AND GAS PIPE (LOW PRESSURE) 7/8" BRAZED.
   - UNIT HRU-1R: LIQUID PIPE (HIGH PRESSURE) 5/8" BRAZED AND GAS PIPE (LOW PRESSURE) 3/4" BRAZED.
9. VERIFY FINAL REFRIGERANT PIPING SIZE AND LENGTH WITH MANUFACTURER.
10. ALL UNITS SHALL BE ASHRAE 90.1-2013 COMPLIANT.
11. ALL UNITS TO INCLUDE FACTORY START-UP.

VRF BRANCH CONTROLLER SCHEDULE

MARK NO.	MANUFACTURER (OR APPROVED EQUAL)	MODEL NUMBER	BRANCHES	VOLTAGE	MCA (A)	MOCP (A)	UNIT WEIGHT (LBS.)	ASSOCIATED OUTDOOR UNIT	NOTES
BC 1	MITSUBISHI	CMB-P108NU-JA1-BV	8	208/230-1-60	0.8/1.0	20	106	HRU-1	SEE BELOW
BC 1R	MITSUBISHI	CMB-P104NU-J1-BV	4	208/230-1-60	0.4/0.4	20	58	HRU-1R	SEE BELOW

1. BRANCH CONTROLLER TO INCLUDE FACTORY CONDENSATE PUMP.
2. FURNISH AND INSTALL FACTORY BALL VALVES ON ALL PORTS OF BRANCH CONTROLLER.
3. LABEL PORTS OF BRANCH CONTROLLER WITH MARK NUMBER TO MATCH CONNECTED UNIT.
4. BRANCH CONTROLLER TO INCLUDE FACTORY START-UP.

SEE HVAC VARIABLE REFRIGERANT FLOW DIAGRAM, VRF REFRIGERANT PIPING NOTES, PIPING AND CONTROLS LIST ON SHEET M1.3 FOR ADDITIONAL INFORMATION.

HVAC SCHEDULES

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TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

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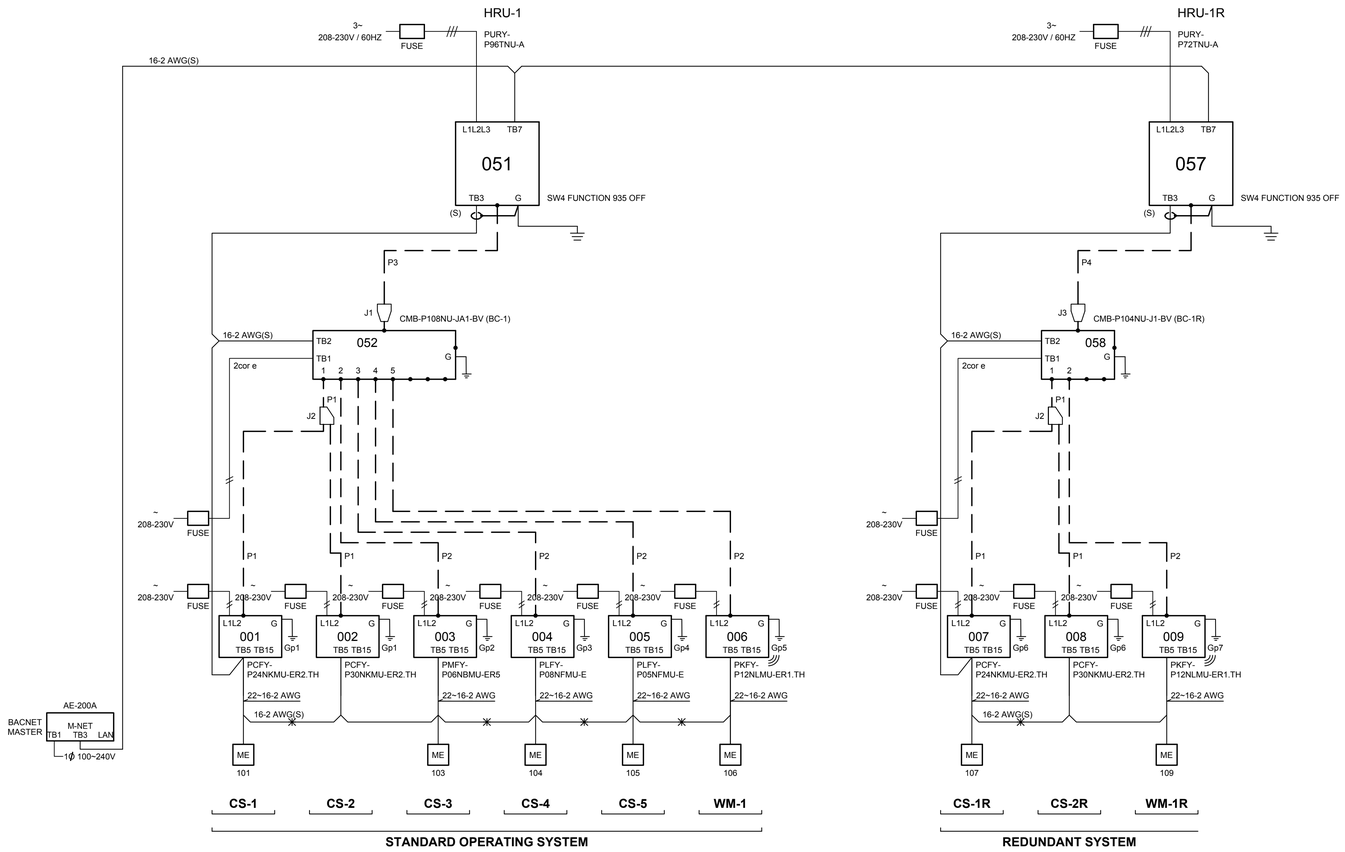
HVAC SCHEDULES

Sheet Number

M1.2



VARIABLE REFRIGERANT FLOW DIAGRAM FOR HRU-1 AND HRU-1R

NOT TO SCALE

VRF REFRIGERANT PIPING NOTES

1. ADDITIONAL REFRIGERANT CHARGE IS NEEDED DEPENDING ON THE SIZE AND LENGTH OF EXTENDED PIPING. COORDINATE WITH EQUIPMENT MANUFACTURER.
2. CONTRACTOR'S VENDOR SHALL PROVIDE REFRIGERANT LINE FINAL SIZES, LENGTHS, ETC. PER MANUFACTURER'S RECOMMENDATION. SUBMITTAL DRAWINGS SHALL INCLUDE CONTROLS, LINE SIZES, ETC. CONTRACTOR SHALL COORDINATE SIZES SHOWN ON PLANS WITH ACTUAL EQUIPMENT QUOTED PRIOR TO BIDDING.
3. FURNISH AND INSTALL FACTORY PRE-INSULATED REFRIGERANT LINE SETS.
4. FURNISH AND INSTALL FACTORY BALL VALVES ON ALL PORTS OF BRANCH CONTROLLER.
5. REFRIGERANT PIPING SHALL BE LABELED TO MATCH ASSOCIATED INDOOR AND OUTDOOR UNIT.
6. ALL EXPOSED INTERIOR REFRIGERANT PIPING SHALL BE ROUTED IN SCHEDULE 40 PVC. PRIME AND PAINT TO MATCH ADJACENT SURFACES. VERIFY PAINT COLOR WITH ARCHITECT.
7. USE INSULATED REFRIGERANT PIPING CLAMPS WHERE REFRIGERANT PIPING IS INSULATED.

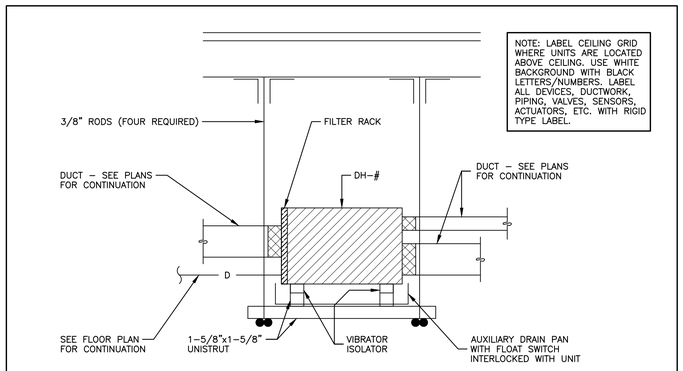
LEGEND

DISPLAY	DESCRIPTION
-///-	POWER WIRE
———	CONTROL WIRE
— —	REF. PIPE

PIPING AND CONTROLS LIST

SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R302S-G1
J2	CMY-Y102SS-G2
J3	CMY-R301S-G
SYMBOL	**LIQUID PIPE/GAS PIPE SIZE**
P1	3/8 / 5/8
P2	1/4 / 1/2
P3	3/4 / 7/8
P4	5/8 / 3/4
SYMBOL	**MODEL NUMBER**
ME	PAR-U01MEDU-K

NOTES: * IF THE THERMOSTAT WIRING GREATER THAN 32' THEN USE 16-2 AWG ONLY.



TYPICAL SECTION AT ABOVE CEILING DEHUMIDIFIER

NOT TO SCALE

DEHUMIDIFIER EQUIPMENT SCHEDULE

MARK NO.	NOMINAL FAN CFM	NOMINAL OSA CFM	REFRIGERANT	WATER REMOVAL 80°F 60% RH	OPERATING RANGE	ELECTRICAL POWER SUPPLY	ELECTRICAL AMPS	MODEL NO. DATA MANUFACTURER (OR APPROVED) EQUAL)	MODEL NO. DATA UNIT MODEL NO.	WEIGHT (LBS.)	NOTES
DH 1	515	200	R-454B	205 PINTS/DAY	40°-104°F	115-1-60	12.5	THERMA-STOR	SANTA-FE ULTRA V205	148	SEE BELOW

1. UNIT TO BE CONTROLLED WITH FACTORY MODEL DEH 3000 WALL MOUNTED HUMIDISTAT.
2. UNIT TO INCLUDE FACTORY DUCT COLLARS (10").
3. UNIT TO INCLUDE FACTORY MERV-13 FILTER.
4. UNIT TO INCLUDE BIOCLIMATIC (OR APPROVED EQUAL) BI-POLAR IONIZATION UNIT MOUNTED IN UNIT SUPPLY DUCT AND SHALL BE POWERED FROM ASSOCIATED DEHUMIDIFIER AND SHALL INCLUDE ALL NECESSARY TRANSFORMERS, INTERLOCK, ETC.
5. UNIT TO INCLUDE FACTORY CONDENSATE PUMP KIT.

HVAC SCHEDULES, DETAILS, AND VRF DIAGRAM

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HVAC - PLUMBING - PROCESS CONTROL
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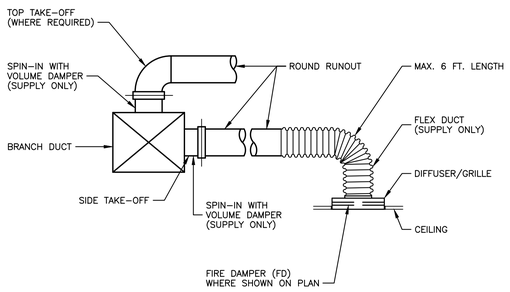
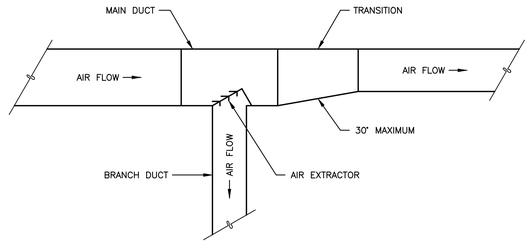
M1.3



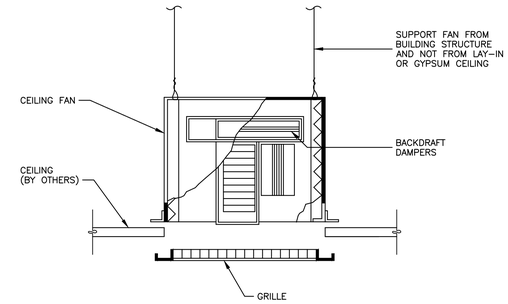
DIFFUSER / GRILLE RUNOUT DETAIL

NOT TO SCALE



TYPICAL DUCT TAKE OFF DETAIL

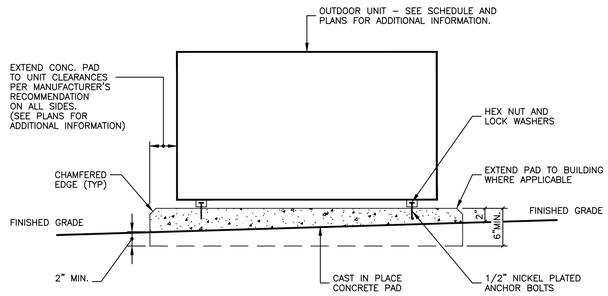
NOT TO SCALE



TYPICAL CEILING EXHAUST FAN DETAIL

NOT TO SCALE

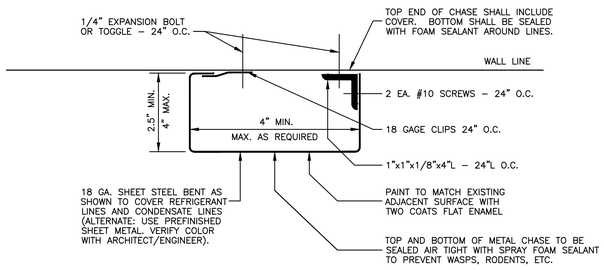
CONTRACTOR SHALL ANCHOR OUTDOOR UNITS TO CONCRETE PAD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION, WIND LOAD REQUIREMENTS, AND AS PER PLANS/SPECIFICATIONS. COORDINATE CONCRETE PAD SIZE, UNIT CLEARANCES, ETC. WITH STRUCTURAL AND ARCHITECTURAL PLANS, FRAMING, ETC.



TYPICAL OUTDOOR UNIT SUPPORT PAD

NOT TO SCALE

METAL CHASE SHALL BE SIZED TO CONCEAL ALL EXTERIOR REFRIGERANT LINES, CONTROL WIRING, AND ELECTRICAL WIRING (TYPICAL).

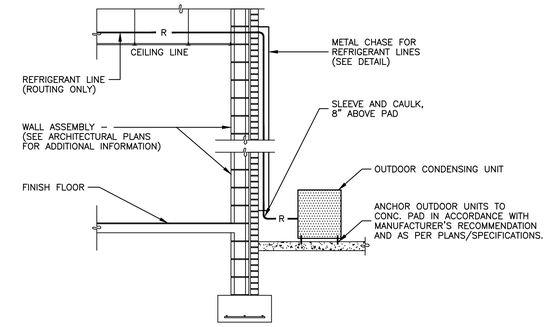


SECTION THROUGH METAL CHASE

NOT TO SCALE

ALL PIPING SHALL BE SPACED ADEQUATELY APART (HOT GAS REHEAT, SUCTION, LIQUID, ETC.) TO ENSURE THAT INSULATION AND JACKETING CAN BE INSTALLED WITH GOOD WORKMANSHIP.

ALL REFRIGERANT LINES SHALL BE SIZED/APPROVED BY THE EQUIPMENT VENDOR/COMPRESSOR MANUFACTURER. ALL REFRIGERANT LINES SHALL BE INSTALLED USING INSULATED LINE CLAMPS.



REFRIGERANT LINE ROUTING DETAIL

NOT TO SCALE

TALLAPOOSA CO E911 - DADEVILLE, AL
IMC TABLE 403.3 COMPLIANCE CALCULATIONS

ROOM NAME	AREA (SF)	PEOPLE (QTY)	OUTDOOR AIR CALCULATIONS			EZ	VOZ CFM	VPZ CFM	ZP VOZ/VPZ	EV	VOT	DESIGN CFM	EXHAUST AIR					UNIT
			PEOPLE (CFM/PERSON)	AREA (CFM/SF)	TOTAL (VOU)								CFM/SF	FIXTURES	UNIT	REQUIRED CFM	DESIGN CFM	
CALL CENTER	887	4	5.0	0.06	73	1	73	320	0.23									DH-1
KITCHEN	152	3	5.0	0.06	24	1	24	100	0.24									DH-1
SUPV OFFICE	100	1	5.0	0.06	11	1	11	75	0.15									DH-1
TOTAL (DH-1)	1,139				108					0.91	119	200						DH-1
TOILET/LOCKER	112													1/1	50/75	125	125	EF-1

HVAC DETAILS AND COMPLIANCE CALCULATIONS

WHORTON ENGINEERING, INC.
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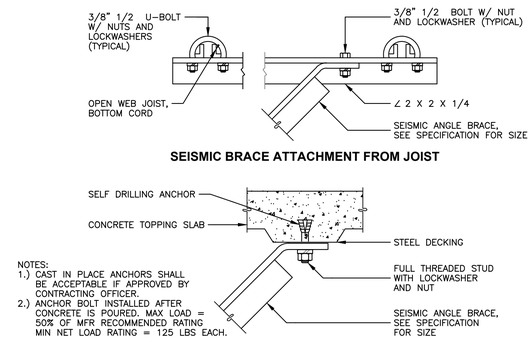
M2.1

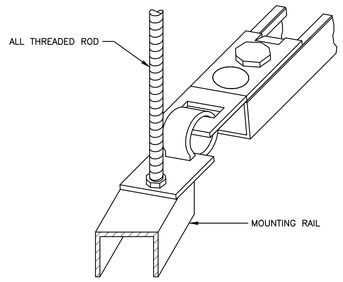


SEISMIC BRACE ATTACHMENT FROM JOIST

SEISMIC BRACE ATTACHMENT FROM METAL DECK WITH CONCRETE SLAB

TYP. SEISMIC ANGLE BRACING DETAIL

NOT TO SCALE



TYPICAL SEISMIC BRACE DETAIL

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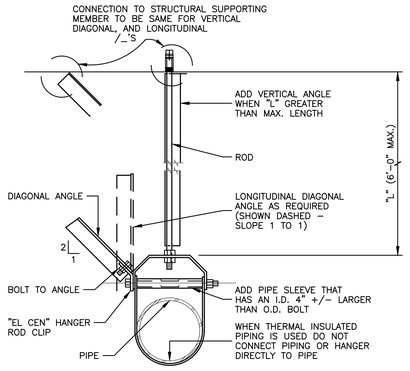

TYPICAL SEISMIC BRACING DETAIL

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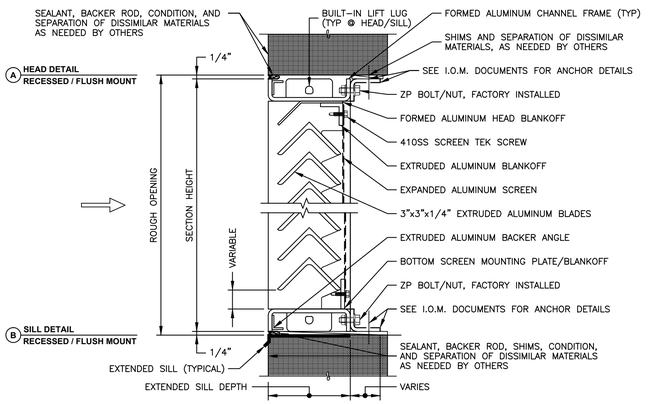
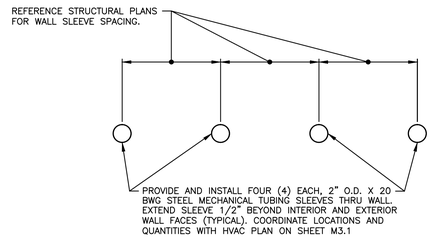


TYPICAL LOUVER DETAIL

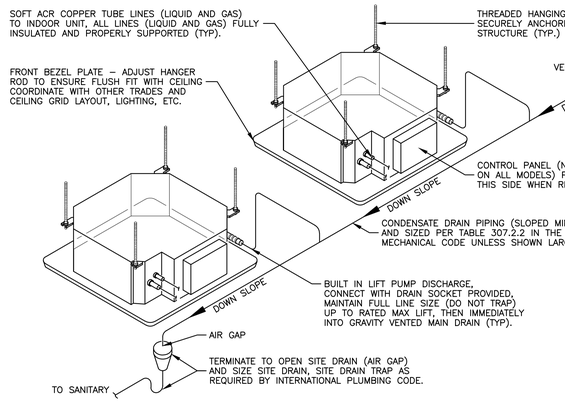
NOT TO SCALE

SEE HVAC PLAN (SHEET M3.1) FOR SLEEVE LOCATIONS AND ADDITIONAL INFORMATION.



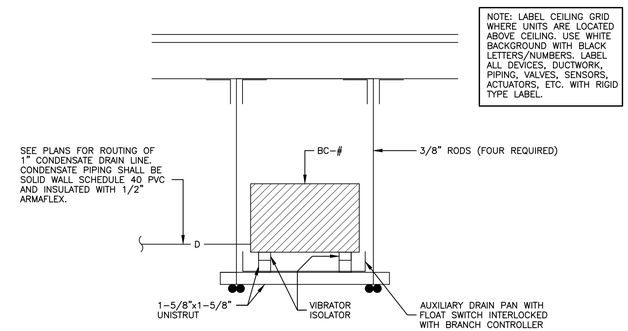
TYPICAL WALL SLEEVE DETAIL FOR REFRIGERANT LINES

NOT TO SCALE



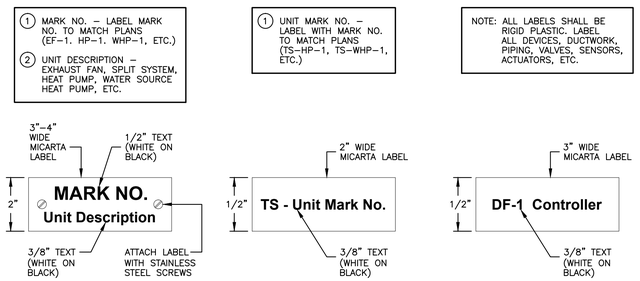
CEILING CASSETTE CONDENSATE DETAIL

NOT TO SCALE



TYPICAL SECTION AT BRANCH CONTROLLER

NOT TO SCALE



TYPICAL HVAC EQUIPMENT LABEL DETAIL

TYPICAL TEMP. SENSOR / THERMOSTAT LABEL DETAIL

TYPICAL FAN CONTROLLER LABEL DETAIL

HVAC EQUIPMENT LABELING DETAILS

NOT TO SCALE

HVAC DETAILS

WHORTON ENGINEERING, INC.

HVAC – PLUMBING – PROCESS CONTROL

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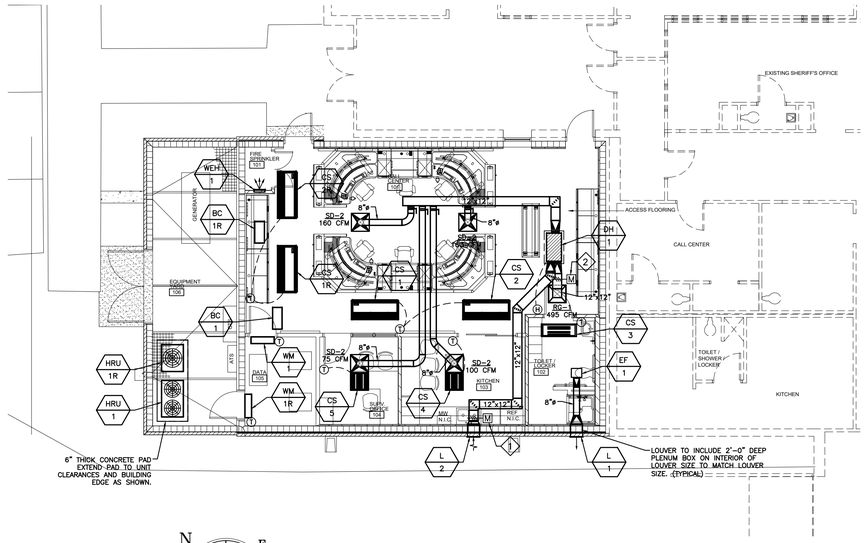


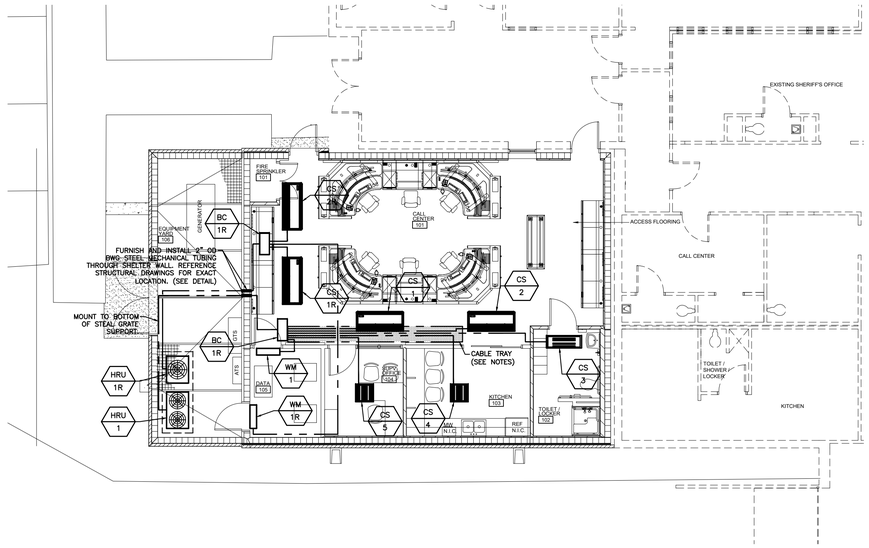
N E W S

HVAC PLAN

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

0' 5' 10' 20'

SCALE



N E W S

REFRIGERANT PIPING PLAN

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

0' 5' 10' 20'

SCALE

HVAC PLANS

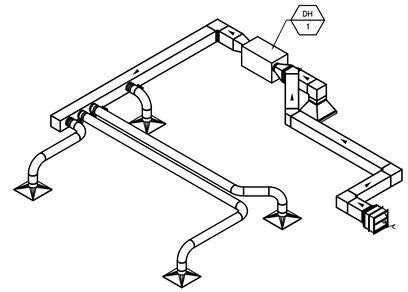
DIFFUSER SCHEDULE

TAG	Size	Neck Size	Quantity	Manufacturer	Model Number	Type	Notes
RG-1	24"X24"	23X23	1	TITUS	8RF	RETURN	20"X20"X1" FILTER
SD-2	24"X24"	8"ø	4	TITUS	TDC	SUPPLY	
			5				

NOTE: FURNISH AND INSTALL AN INSULATION BLANKET ON THE BACK OF ALL CEILING MOUNTED DIFFUSERS AND GRILLES.

HVAC SHEET NOTES

1. OUTSIDE AIR DAMPERS SHALL BE 120V. NORMALLY CLOSED AND INTERLOCKED TO OPEN WHEN THE ROOM LIGHTS ARE "ON".
2. UNIT RETURN AIR MOTORIZED DAMPER SHALL BE 120V. NORMALLY OPEN AND SHALL PARTIALLY CLOSE WHEN THE ROOM LIGHTS ARE "ON".



DUCT SCHEMATIC DH-1

REFRIGERANT LINE NOTES

1. WIRE TRAY SHALL BE 18"X6". TRAY SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
2. ROUTING SHOWN ON PLAN HAS BEEN COORDINATED WITH CEILINGS. CONTRACTOR SHALL FULLY COORDINATE FINAL ROUTING WITH CEILINGS AND OTHER CONTRACTORS. VERIFY FINAL ROUTING WITH ARCHITECT/MECHANICAL ENGINEER PRIOR TO INSTALLATION.
3. INSULATION FOR LINE SETS SHALL BE PRE-INSULATED SOFT COPPER AND INCLUDE BOTH LIQUID AND GAS IN A SINGLE LINE SET WITH ISOLATION BETWEEN GAS AND LIQUID LINES.
4. REFRIGERANT LINES SHALL BE LABELED WITH BC NUMBER, BC PORT, AND INDOOR UNIT DESTINATION ON EACH LINE SET. LABELS SHALL BE INSTALLED EVERY 10 FT. FOR BOTH HORIZONTAL AND VERTICAL RUNS. LABELS MAY BE AS SHOWN ON TYPICAL LABEL DETAIL AND ATTACHED TO LINE SET WITH BLACK CABLE.

REFERENCE PLUMBING PLANS FOR CONDENSATE PIPING

WHORTON ENGINEERING, INC.
HVAC – PLUMBING – PROCESS CONTROL
Randall Whorton
RANDALL WHORTON, P.E.
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DATE 01-08-2026
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DADEVILLE, AL

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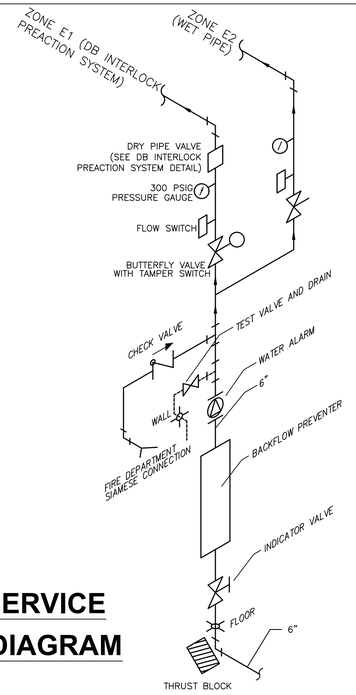
Sheet Description

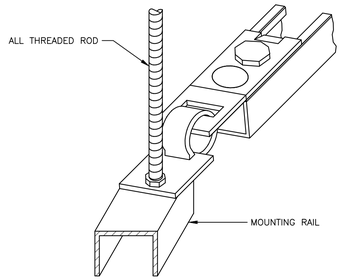
HVAC PLANS

Sheet Number

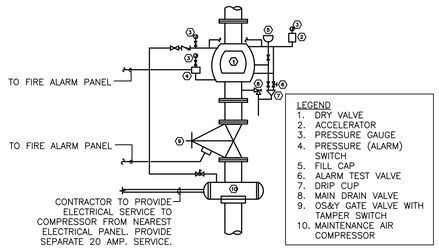
M3.1



FIRE SERVICE RISER DIAGRAM



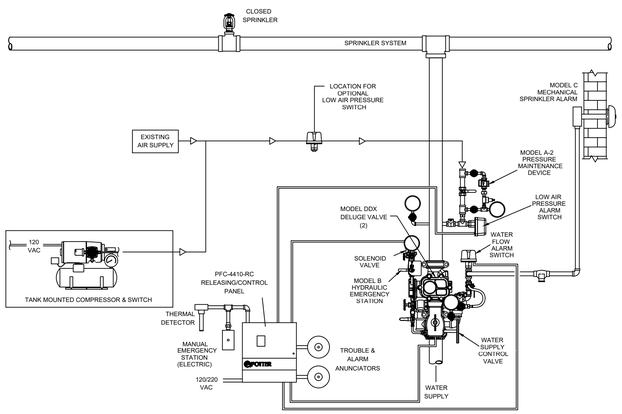
SEISMIC BRACE DETAIL



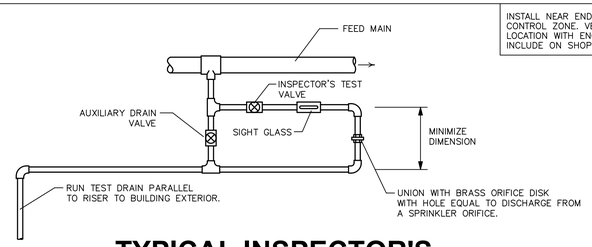
NOTES:
1. DRY VALVE PIPING IS SHOWN SCHEMATICALLY. CONTRACTOR SHALL PROVIDE DRY VALVE PIPING TRIM ARRANGEMENT IN ACCORDANCE WITH DRY VALVE MANUFACTURER'S STANDARDS.
2. PROVIDE DRY VALVES AS MANUFACTURED BY "CENTRAL SPRINKLER CORP."; OR APPROVED EQUAL.
3. MAINTENANCE AIR COMPRESSOR TO BE A VIKING MODEL D-1, 1/4 HP., 120V/1PH, 50 PSI CONT. OPERATING PRESSURE, 75 PSI RELIEF VALVE, PRESSURE SWITCH, FM AND UL APPROVED; OR APPROVED EQUAL.

DRY VALVE DETAIL

NOT TO SCALE

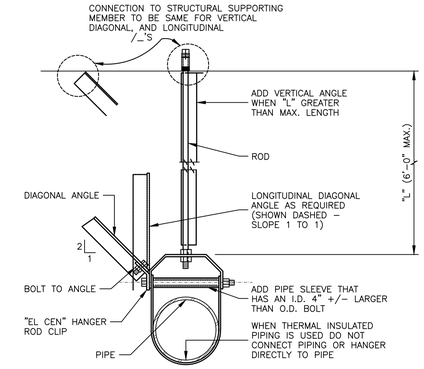


TYPICAL DOUBLE INTERLOCK PREACTION SYSTEM

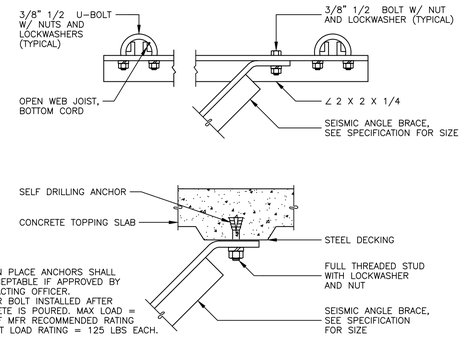


INSTALL NEAR END OF EACH CONTROL ZONE. VERIFY FINAL LOCATION WITH ENGINEER AND INCLUDE ON SHOP DRAWINGS.

TYPICAL INSPECTOR'S TEST VALVE DETAIL



TYPICAL SEISMIC BRACING DETAIL



NOTES:
1.) CAST IN PLACE ANCHORS SHALL BE ACCEPTABLE IF APPROVED BY CONTRACTING OFFICER.
2.) ANCHOR BOLT INSTALLED AFTER CONCRETE IS POURED. MAX LOAD = 50% OF MFR RECOMMENDED RATING MIN NET LOAD RATING = 125 LBS EACH.

SEISMIC ANGLE BRACING DETAIL

FIRE SPRINKLER SYSTEM NOTES

1. THE FIRE PROTECTION SYSTEM IS SHOWN IN SCHEMATIC FORM ONLY. THE SUCCESSFUL FIRE PROTECTION VENDOR SHALL LOCATE AND SIZE ALL SPRINKLER HEADS, FIRE DEPARTMENT CONNECTIONS, STANDPIPE SYSTEMS, PIPING, ETC. IN COMPLETE ACCORDANCE WITH 2015 INTERNATIONAL FIRE CODE, 2015 INTERNATIONAL BUILDING CODE, AND LOCAL REQUIREMENTS.
2. SYSTEM DESIGN TO BE IN ACCORDANCE WITH WRITTEN SPECIFICATIONS. ALL HYDRAULIC CALCULATIONS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL.
3. ALL PIPING SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID PLUMBING AND HVAC INSTALLATIONS. FAILURE TO COORDINATE WORK WILL RESULT IN REWORK AT CONTRACTOR'S EXPENSE. MAINTAIN MINIMUM STAIR WELL EGRESS CLEARANCE.
4. INSTALL ALL ABOVE CEILING PIPING BELOW DUCT.
5. INSTALL ALL EXPOSED PIPING AS HIGH AS POSSIBLE.
6. ROUTE ALL EXPOSED PIPING IN CHASES WHERE POSSIBLE.
7. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, HVAC AND ELECTRICAL TRADES, PLUMBING. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC..
8. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO COLUMNS OR WALLS AS POSSIBLE.
9. ALL PIPING SHALL BE CONCEALED INSIDE WALLS AND IN PIPE CHASES OR ABOVE CEILINGS. HOLD ALL PIPING ABOVE CEILING AS HIGH AS POSSIBLE.
10. ALL STRUCTURAL PENETRATIONS (SLEEVES, BLOCKOUTS, ETC.) ARE TO BE LOCATED AND COORDINATED IN THE FIELD BY THE CONTRACTOR IN RELATION TO THE REQUIREMENTS OF FINAL EQUIPMENT AND FIXTURES SELECTED.
11. FIELD VERIFY EXACT SIZE, MATERIAL, AND LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING WORK.
12. ALL WET PIPING TO BE ROUTED BELOW CEILING INSULATION
13. ALL DRY PIPING TO BE ROUTED IN ATTIC SPACE

FIRE SPRINKLER ZONES

ZONE NO.	LOCATION	AREA	SYSTEM TYPE	TOTAL AREA
ZONE E1	DISPATCH		DOUBLE INTERLOCK PREACTION	800 SQFT
ZONE E2	REMAINING BUILDING		WET PIPE	315 SQFT
ZONE E3	IT/SERVER ROOM		CLEAN AGENT	80 SQFT

FIRE SPRINKLER DRAWING INDEX

TYPICAL CLEAN AGENT SYSTEM LAYOUT

FIRE SPRINKLER PLUMBING LEGEND, NOTES, AND DETAILS

NOT TO SCALE

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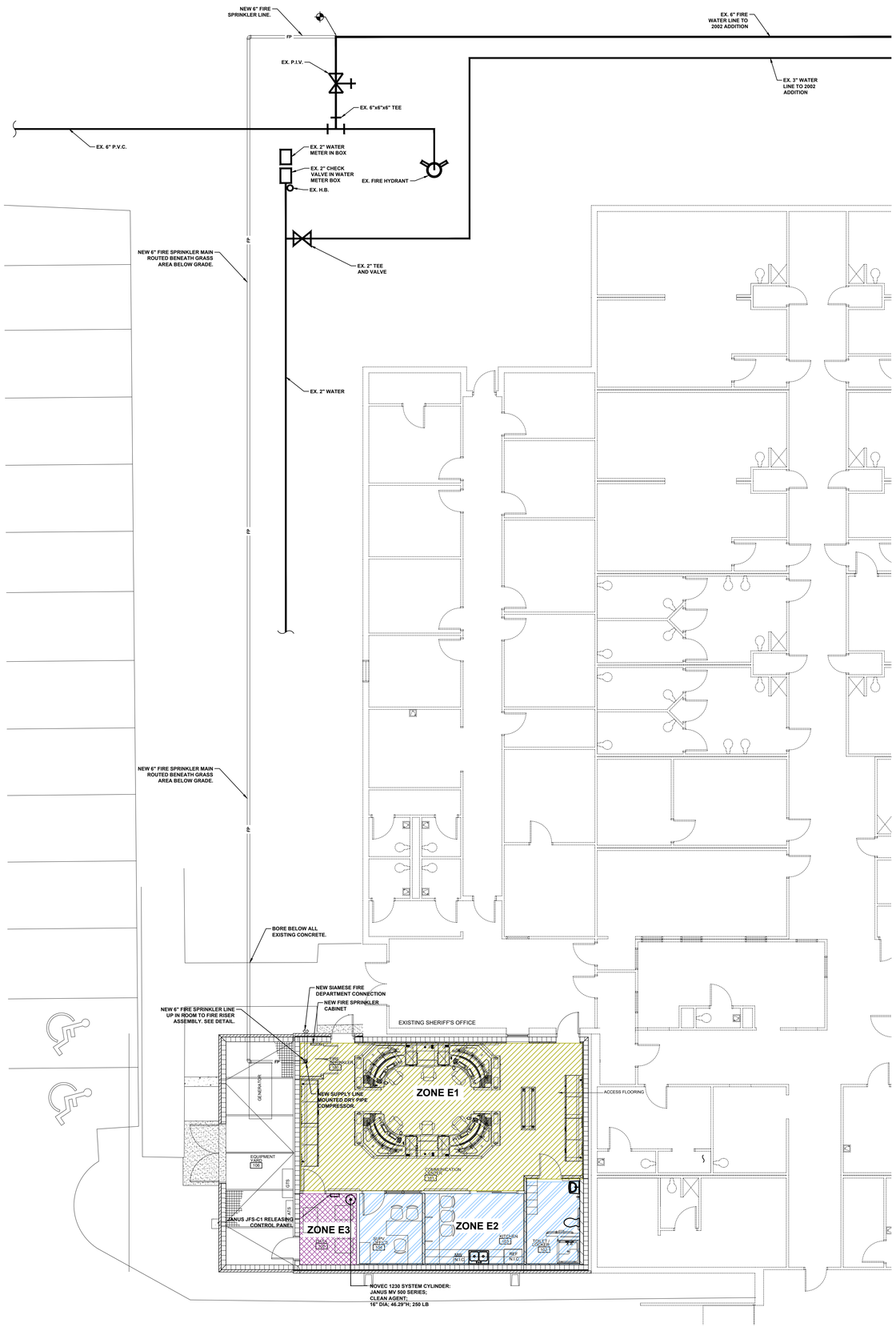
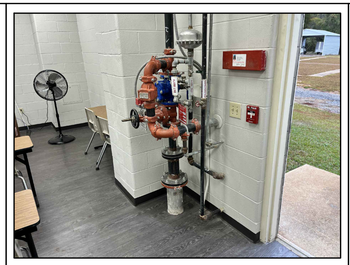
FIRE SPRINKLER PLUMBING LEGEND, NOTES, AND DETAILS

Sheet Number

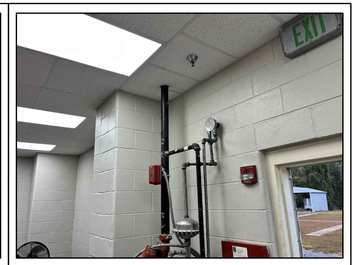
SP1.1



1 **EX. FIRE DEPT. CONNECTION (2002 ADDITION)**
NOT TO SCALE



2 **EX. FIRE RISER (2002 ADDITION)**
NOT TO SCALE



3 **EX. FIRE RISER (2002 ADDITION)**
NOT TO SCALE

4 **EX. FIRE RISER SYSTEM TAG (2002 ADDITION)**
NOT TO SCALE

5 **EX. POST INDICATOR VALVE**
NOT TO SCALE

6 **PROPOSED NEW FIRE SPRINKLER MAIN ROUTING**
NOT TO SCALE

FIRE SPRINKLER PLUMBING PLAN

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

SCALE 4' 8' 16'

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FIRE SPRINKLER PLUMBING PLAN

Sheet Number

SP2.1

ELECTRICAL LEGEND

- — PANELBOARD, SURFACE MOUNTED. SEE PANELBOARD SCHEDULE.
- [M] — UTILITY METER/CT CABINET, WALL MOUNTED AS INDICATED. COORDINATE EXACT REQUIREMENTS WITH UTILITY COMPANY.
- — 240V, 3-POLE H.D. SAFETY SWITCH SIZED AND FUSED AS INDICATED.
- — MOTOR. SEE MECHANICAL FOR DETAILS.
- — 20A, 120V NEMA 5-20R DUPLEX RECEPTACLE MOUNTED 1'-6' AFF. AS INDICATED.
- — 20A, 125V NEMA 5-20R DUPLEX RECEPTACLE MOUNTED 4'-0" AFF. OR 9" ABOVE COUNTERTOP UNLESS OTHERWISE INDICATED.
- — 20A, 120V NEMA 5-20R DOUBLE DUPLEX RECEPTACLE MOUNTED 1'-6". AFF. UNLESS OTHERWISE INDICATED.
- $_{PP}$ — ONE (1) 20A, 120V NEMA L5-20R TWIST-LOCK RECEPTACLE MOUNTED IN CEILING UNLESS OTHERWISE INDICATED.
- $_{TR}$ — ONE (1) 30A, 120V NEMA L5-30R TWIST-LOCK RECEPTACLE MOUNTED IN CEILING ABOVE TELECOM RACK UNLESS OTHERWISE INDICATED.
- [TVSS] — TRANSIENT VOLTAGE SURGE SUPPRESSOR IN A NEMA 3R ENCLOSURE UNLESS MOUNTED INDOORS (NEMA I). EACH UNIT SHALL HAVE SEPARATE BRANCH CIRCUIT PROTECTION. ATS UNIT SHALL PROTECT EMERGENCY SIDE.
- [GAP] — GENERATOR REMOTE ANNUNCIATOR PANEL FLUSH MOUNTED IN WALL.
- — JUNCTION BOX, SIZED AND LOCATED AS REQUIRED.
- — FIRE ALARM SYSTEM, ADDRESSABLE SMOKE DETECTOR, CEILING MOUNTED AS REQUIRED WITH DEVICE BACKBOX. SIMPLEX TO MATCH EXISTING TYPE IN BUILDING.
- — FIRE ALARM SYSTEM, VISUAL NOTIFICATION DEVICE MOUNTED 6'-8" AFF. WITH DEVICE BACKBOX. SIMPLEX TO MATCH EXISTING TYPE IN BUILDING.
- — FIRE ALARM SYSTEM, HEAT DETECTOR MOUNTED AS REQUIRED WITH DEVICE BACKBOX. SIMPLEX TO MATCH EXISTING TYPE IN BUILDING.
- — FIRE ALARM SYSTEM, AUDIO/VISUAL NOTIFICATION DEVICE MOUNTED 6'-8" AFF. WITH DEVICE BACKBOX. SIMPLEX TO MATCH EXISTING TYPE IN BUILDING.
- — FIRE ALARM SYSTEM, ADDRESSABLE PULL STATION MOUNTED 4'-0" AFF. WITH DEVICE BACKBOX. SIMPLEX TO MATCH EXISTING TYPE IN BUILDING.
- [FAAP] — FIRE ALARM SYSTEM, ANNUNCIATOR PANEL, FLUSH MOUNTED IN WALL, SIMPLEX TO MATCH EXISTING TYPE IN BUILDING. INTERFACE AS REQUIRED WITH EXISTING FIRE ALARM CONTROL PANEL LOCATED IN SECURITY CONTROL ROOM.
- [FAEP] — FIRE ALARM SYSTEM, EXTENDER PANEL, WALL MOUNTED, SIMPLEX TO MATCH EXISTING TYPE IN BUILDING. INTERFACE AS REQUIRED WITH EXISTING FIRE ALARM CONTROL PANEL LOCATED IN SECURITY CONTROL ROOM.
- — EXHAUST FAN. SEE MECHANICAL.
- $_{M}$ — 20A, 120V OR 208V MOTOR SNAP SWITCH MOUNTED AS REQUIRED.
- $ — WALL SWITCH, SINGLE POLE MOUNTED 4'-0" AFF.
- $_{3}$ — WALL SWITCH, THREE-WAY MOUNTED 4'-0" AFF.
- $_{O}$ — WALL SWITCH/OCCUPANCY SENSOR, PIR, SINGLE POLE MOUNTED 4'-0" AFF.
- $_{3O}$ — WALL SWITCH/OCCUPANCY SENSOR, PIR, THREE-WAY MOUNTED 4'-0" AFF.
- $_{D}$ — 0-10V WALL DIMMER MOUNTED 4'-0" AFF. DIMMER TO BE MATCHED WITH DRIVER AS REQUIRED.
- $_{LV\#}$ — LIGHTING CONTROLS LOW VOLTAGE SWITCH MOUNTED 4'-0" AFF. SEE DETAIL. CONNECTION TO ROOM CONTROLLER VIA CAT 6 CABLE.
- [○] [○] — RECESSED LED LIGHT FIXTURE. SEE FIXTURE SCHEDULE.
- (#) — RECESSED FIXTURE, LETTER IN OR ADJACENT TO SYMBOL DENOTES TYPE, SEE FIXTURE SCHEDULE.
- — AUTOMATIC CEILING MOUNTED OCCUPANCY/VACANCY SENSOR. 360° LOW VOLTAGE, DUAL TECH. COORDINATE WITH L.V. CONTROLS WHERE REQUIRED.
- [PS] — LIGHTING CONTROLS POWER SUPPLY MOUNTED ABOVE CEILING AS REQUIRED.
- [RC] — LIGHTING CONTROLS ROOM CONTROLLER/POWER SUPPLY MOUNTED ABOVE CEILING. # INDICATES NUMBER OF 0-10V DIMMING ZONES AND SWITCHED ZONES AS REQUIRED. "E" INDICATES UL924 EMERGENCY RELAY.
- [TC] — 24-HOUR/365 DAY, 2-CIRCUIT, ELECTRONIC CONTROL TIMECLOCK IN A NEMA I ENCLOSURE. INTERMATIC ET2125C OR APPROVED EQUAL.
- [PC] — PHOTOCELL FOR EXTERIOR LIGHTING CONTROLS. MOUNT AS HIGH AS POSSIBLE.
- — CCTV CAMERA LOCATION. ONE (1) CAT 6 CABLE IN 3/4"C. ABOVE CEILING FROM PATCH PANEL IN RACK TO CAMERA LOCATION. PROVIDE FLUSH DEVICE BACKBOX IN WALL WHERE REQUIRED. COORDINATE EXACT LOCATION AND HEIGHT WITH OWNER PRIOR TO INSTALLATION.
- [PRH] — ACCESS CONTROL PROXIMITY READER LOCATION, 4" SQUARE BOX WALL MOUNTED 4'-0" AFF. WITH SINGLE GANG PLASTER RING AND 3/4" C. STUBBED OUT ABOVE CEILING WITH INSULATED BUSHING.
- [ICH] — INTERCOM STATION LOCATION, 4" SQUARE BOX WALL MOUNTED 4'-0" AFF. WITH SINGLE GANG PLASTER RING AND 3/4" C. STUBBED OUT ABOVE CEILING WITH INSULATED BUSHING.
- — LOW VOLTAGE WIRING IN CONDUIT FOR OCCUPANCY SENSORS.
- — 2 #12 & 1 #12 GND., 3/4"C. SURFACE MOUNTED.
- — 2 #12 & 1 #12 GND., 3/4"C. CONCEALED.
- — 2 #12, 2 #12 N. & 2 #12 GNDS., 3/4"C. CONCEALED ABOVE CEILING.
- — 3 #12, 3#12 N. & 3 #12 GNDS., 3/4"C. HOMERUN CONCEALED ABOVE CEILING.
- — 2 #12 & 1 #12 GND., 1"C. CONCEALED BELOW GRADE.
- — 3 #12 & 1 #12 GND., 1"C. CONCEALED BELOW GRADE.
- — 2 #12 & 1 #12 GND., 1"C. HOMERUN CONCEALED BELOW GRADE.
- --- NUS --- — NEW UNDERGROUND SECONDARY. SIZE AS INDICATED.
- F — FIRE ALARM SYSTEM CONDUCTORS AS REQUIRED IN CONCEALED CONDUIT.
- $▽_{\#}$ — TELECOMMUNICATIONS OUTLET LOCATION AT 1'-6" AFF. UNLESS OTHERWISE INDICATED. PROVIDE TWO-GANG DEVICE BACKBOX WITH SINGLE GANG PLASTER RING AND 1"C. WITH INSULATED BUSHING EACH END BACK TO NEAREST CABLE TRAY OR RACK LOCATION. # INDICATES NUMBER OF CAT 6 JACKS AND CABLES TO BE TERMINATED. PROVIDE 6-PORT FACEPLATE AS REQUIRED.
- $_{TV}$ — TV MONITOR AV WALL BOX WITH DUPLEX RECEPTACLE AND TWO (2) CAT 6 JACKS TERMINATED WITH TWO (2) CAT 6 CABLES ROUTED IN 1"C. WITH INSULATED BUSHING EACH END BACK TO NEAREST CABLE TRAY LOCATION. COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECT AND OWNER. WIREMOLD EFSB4 OR APPROVED EQUAL. TERMINATE CABLES IN PATCH PANEL IN RACK AS INDICATED.
- $_{D}$ — TELECOMMUNICATIONS EQUIPMENT CONNECTION TO CONSOLE WORKSTATION.
- $_{P}$ — POWER EQUIPMENT CONNECTION TO CONSOLE WORKSTATION. TWO (2) EA. 20A, 120V NEMA 5-20R DOUBLE DUPLEX RECEPTACLES EACH MOUNTED IN 4" SQUARE BOX BENEATH RAISED FLOOR. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION AS REQUIRED.
- TB — TELECOMMUNICATIONS BACKBOARD. 4' X 8' X 3/4" PLYWOOD BACKBOARD WITH TWO COATS OF GRAY FIRE-RETARDANT PAINT.
- — 10" WIDE X 4" DEEP STEEL BASKET TRAY MOUNTED 8'-0" AFF.
- — 12" WIDE X 3" DEEP STEEL BASKET TRAY MOUNTED BELOW RAISED FLOOR.
- [TR] — 7'-0" FREESTANDING 2-POST TELECOMMUNICATIONS RACK. SEE DETAIL.
- [W] — WIRELESS ACCESS POINT LOCATION. ROUTE TWO (2) CAT 6 CABLES IN 3/4"C. ABOVE CEILING WITH INSULATED BUSHING EACH END BACK TO RACK LOCATION. TERMINATE CAT 6 CABLES INTO A BISCUIT JACK ABOVE CEILING.
- [MGB] — MAIN EQUIPMENT GROUND BUS MOUNTED 1'-6" AFF. SIZE AS INDICATED. SEE DETAIL.
- [SBB] — SUPPLEMENTAL BONDING GROUND BUS MOUNTED 1'-6" AFF. SIZE AS INDICATED. SEE DETAIL.
- [TGB] — TELECOM GROUND BUS MOUNTED 1'-6" AFF. SIZE AS INDICATED. SEE DETAIL.
- — 3/4" X 10'-0" COPPER GROUND ROD.
- — GROUNDING TEST WELL.

GENERAL NOTES:

1. CONTRACTOR SHALL VISIT SITE TO DETERMINE EXISTING AS-BUILT CONDITIONS PRIOR TO BIDDING PROJECT.
2. ALL ELECTRICAL WORK (NEW AND MODIFIED) SHALL MEET THE NATIONAL ELECTRICAL CODE AND LOCAL AUTHORITY HAVING JURISDICTION REQUIREMENTS.
3. IF ANY EXISTING UTILITY IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR IMMEDIATELY AT NO EXPENSE TO THE OWNER.
4. PROVIDE GREEN INSULATED GROUND CONDUCTOR IN ALL RUNS IN ADDITION TO THOSE SHOWN. WHEN NO CONDUCTORS ARE SHOWN, THEN PROVIDE A PHASE, NEUTRAL AND GROUND CONDUCTOR.
5. ALL FEEDERS AND BRANCH CIRCUIT WIRING SHALL HAVE A SOLID COLOR-CODED JACKET CORRESPONDING TO THE VOLTAGE SYSTEM AND PHASE.
6. 0-10V LIGHTING CONTROL CABLING CAN BE RUN IN SAME CONDUIT AS 120V POWER CABLING IF INSULATION IS RATED EQUAL TO 120V CONDUCTOR INSULATION AND CLASS 1.
7. MINIMUM CONDUIT SIZE SHALL BE 3/4".
8. PROVIDE AND INSTALL ENGRAVED PLASTIC LAMINATE LABEL ON CEILING GRID AT LOCATIONS OF OCCUPANCY SENSOR POWER PACK LOCATED ABOVE CEILING.
9. COORDINATE CEILING MOUNTED OCCUPANCY SENSORS WITH SUPPLY DIFFUSERS SO THAT OCCUPANCY SENSOR IS A MINIMUM OF 3'-0" FROM NEAREST SUPPLY DIFFUSER.
10. ALL CONDUIT ROUTING SHALL BE COORDINATED WITH EQUIPMENT LOCATION, MECHANICAL PIPING AND ACCESS PANELS SO THAT ACCESS TO ALL EQUIPMENT THRU ACCESS DOORS IS NOT IMPEDED BY CONDUIT RUNS.
11. ALL CONDUIT SHALL BE CONCEALED AS INDICATED. IF CONDUIT CANNOT BE CONCEALED, SURFACE MOUNTED RACEWAY SHALL BE ACCEPTABLE ONLY WHERE APPROVED BY OWNER.
12. ALL LIGHTING SYSTEMS AND CONTROLS SHALL BE INSTALLED AND PROGRAMMED TO ADHERE TO ASHRAE 90.1-2013 CRITERIA.
13. EXISTING FACILITY SHALL REMAIN IN SERVICE DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE ALL POWER SHUTDOWNS WITH THE OWNER. ALL MAJOR SHUTDOWNS SHALL BE REQUESTED IN WRITING A MINIMUM OF 5 DAYS IN ADVANCE OF REQUESTED SHUTDOWN.
14. NEW FIRE ALARM COMPONENTS SHALL BE AN EXTENSION OF THE EXISTING SIMPLEX FIRE ALARM SYSTEM IN JAIL. SYSTEM TO ALARM LOCALLY AT DISPATC
15. FIRE ALARM SYSTEM CONTRACTOR SHALL BE CERTIFIED THROUGH THE STATE OF ALABAMA FIRE MARSHAL'S OFFICE AS REQUIRED.
16. NEW FIRE ALARM SYSTEM COMPONENTS SHALL BE PROVIDED BY SIMPLEX TO MATCH EXISTING COMPONENTS. CONTRACTOR SHALL HAVE ENTIRE FIRE ALARM SYSTEM RE-CERTIFIED AFTER MODIFICATIONS ARE ACCOMPLISHED. ALL MODIFICATIONS AND RE-CERTIFICATIONS SHALL BE PERFORMED BY A SIMPLEX NICET LEVEL III TECHNICIAN. FIRE ALARM SYSTEM SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.
17. INTERFACE NEW FIRE ALARM SYSTEM EXTENDER PANEL WITH EXISTING FIRE ALARM CONTROL PANEL AS REQUIRED. PROVIDE ALL REQUIRED CABLING IN CONDUIT CONCEALED ABOVE CEILING. MAKE ALL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.
18. CEILING MOUNTED FIRE ALARM DEVICES MAY BE UTILIZED IN LIEU OF WALL MOUNTED DEVICES WHERE NEW DEVICES ARE SHOWN TO BE INSTALLED.
19. BASE BID HAS CONDUIT ROUTED INSIDE AND DEVICE BACKBOXES CUT INTO CMU BLOCK. BID ALTERNATE HAS DEVICE BACKBOXES AND CONDUIT IN GYPBOARD FUR OUT. FOR BASE BID, ROUTE CONDUIT IN CHASE SPACE.
20. OWNER SHALL BE RESPONSIBLE FOR PAYING ALL AID TO CONSTRUCTION ELECTRICAL UTILITY COSTS ASSOCIATED WITH THE ADDITION OF THE NEW ELECTRI SERVICE. ALABAMA POWER IS THE ELECTRICAL UTILITY PROVIDER.
21. COORDINATE WITH OTHER UTILITY DISCIPLINES AS REQUIRED FOR INSTALLATION OF NEW UNDERGROUND SECONDARY ROUTING.
22. CONTRACTOR SHALL BE REQUIRED TO BE LICENSED IN THE CITY OF DADEVILLE TO PERFORM WORK ON THE PROJECT.
23. ONE (1) 20A/1P SPARE BREAKER IS ALLOCATED FOR FUTURE OWNER'S THIRD PARTY ACCESS CONTROL/CCTV SYSTEM INSTALLATION.

LIGHTING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER & CATALOG NUMBER	LAMPS	MOUNTING	REMARKS
A	6" WET LOCATION LED DOWNLIGHT WITH DIE-CAST ALUMINUM HEAT SINK, 120-277V 0-10V DIMMING DRIVER TO 1%, 50,000 HOUR LUMEN LIGHT ENGINE MIN., MEDIUM DISTRIBUTION, CLEAR SPECULAR REFLECTOR AND FINISH FLANGE.	COOPER LD6A20DE010 ERM6A15835 6LM1LI GOTHAM EVO 35/20 6AR MD LSS 120 EZ1 PRESCOLITE LF6SL DM1 6LFSL 20L 35K SP WT * OR APPROVED EQUAL BY ARCHITECT/ENGINEER	LED 2000 LUMENS MIN 3500K	RECESSED IN CEILING	"EM" INDICATES FIXTURE WITH EMERGENCY BATTERY.
B	6" OPEN LED DOWNLIGHT WITH DIE-CAST ALUMINUM HEAT SINK, 120-277V, 0-10V DIMMING DRIVER TO 1%, 50,000 HOUR LUMEN LIGHT ENGINE MIN., MEDIUM DISTRIBUTION CLEAR SPECULAR REFLECTOR AND FINISH FLANGE.	COOPER LD6A20DE010 ERM6A15835 6LM1LI GOTHAM EVO 35/20 6AR MD LSS 120 EZ1 PRESCOLITE LF6 DM1 6LFSL 20L 35K SP WT * OR APPROVED EQUAL BY ARCHITECT/ENGINEER	LED 2000 LUMENS MIN 3500K	RECESSED IN CEILING	"EM" INDICATES FIXTURE WITH EMERGENCY BATTERY.
F4	2' X 4' HIGH EFFICIENCY LED FLAT PANEL TROFFER WITH SHALLOW DEPTH HOUSING, SMOOTH ACRYLIC DIFFUSER, WHITE FINISH, FLANGE TRIM & 0-10V DIMMING DRIVER.	COLUMBIA NBT 24 35 L054 F SF ED1 U LITHONIA EPANL 2X4 5400LM 80CRI 35K MN10 ZT MVOLT DAY-BRITE 2FPZ 54L 835 ADS UNV DIM * OR APPROVED EQUAL BY ENGINEER	LED 5000 LUMENS MIN. 3500K	RECESSED IN CEILING	INDICATES INTEGRAL BATTERY BACKUP.
L4	2' X 4' HIGH EFFICIENCY LED FLAT PANEL TROFFER WITH SHALLOW DEPTH HOUSING, SMOOTH ACRYLIC DIFFUSER, WHITE FINISH, GRID TRIM & 0-10V DIMMING DRIVER.	COLUMBIA NBT 24 35 L054 F SF ED1 U LITHONIA EPANL 2X4 5400LM 80CRI 35K MN10 ZT MVOLT DAY-BRITE 2FPZ 54L 835 ADS UNV DIM * OR APPROVED EQUAL BY ENGINEER	LED 5000 LUMENS MIN. 3500K	RECESSED IN CEILING	INDICATES INTEGRAL BATTERY BACKUP.
L6	2' X 4' LED INDIRECT FIXTURE WITH CURVED APERTURE, SHALLOW DEPTH, EDGE-LIT LED, LOW UGR, INTEGRAL 1% 0-10V DIMMING DIVER AND WHITE FINISH.	WILLIAMS AP 24 L70 835 DIM UNV * OR APPROVED EQUAL BY ENGINEER	LED 7000 LUMENS MIN. 3500K	RECESSED IN CEILING	INDICATES INTEGRAL BATTERY BACKUP.
S3	3' LED LENSED STRIP LIGHTING FIXTURE WITH DIFFUSE ACRYLIC LENS, STEEL HOUSING, WHITE FINISH, & 0-10V DIMMING DRIVER.	LITHONIA CLX L36 5250LM SEF FDL MVOLT GZ10 35K 80CRI WILLIAMS 7SS-3-L40/835-DIM-UNV * OR APPROVED EQUAL BY ENGINEER	LED 4000 LUMENS MIN. 3500K	SURFACE	"EM" INDICATES INTEGRAL BATTERY BACKUP.
S4	4' LED LENSED STRIP LIGHTING FIXTURE WITH DIFFUSE ACRYLIC LENS, STEEL HOUSING, WHITE FINISH, & 0-10V DIMMING DRIVER.	COLUMBIA LCL4-35HL-ED LITHONIA CLX L48 6000LM SEF FDL MVOLT GZ10 35K 80CRI WILLIAMS 7SS-4-L60/835-DIM-UNV * OR APPROVED EQUAL BY ENGINEER	LED 6000 LUMENS MIN. 3500K	SURFACE	"EM" INDICATES INTEGRAL BATTERY BACKUP.
U3	3' LENSED LED UNDERCABINET LIGHT WITH STEEL HOUSING, ACRYLIC LENS, WHITE FINISH AND 120V ELECTRONIC DRIVER.	COLUMBIA CUC3-CS-ED120 ELITE EU-LED 34-1300L DIMTR-120 35K WH WILLIAMS 1SF3-L18/835 DRV 120 * OR APPROVED EQUAL BY ENGINEER	LED 1200 LUMENS MIN. 3500K	UNDERCABINET	
U4	4' LENSED LED UNDERCABINET LIGHT WITH STEEL HOUSING, ACRYLIC LENS, WHITE FINISH AND 120V ELECTRONIC DRIVER.	COLUMBIA CUC4-CS-ED120 ELITE EU-LED 46-1300L DIMTR-120 35K WH WILLIAMS 1SF4-L18/835 DRV 120 * OR APPROVED EQUAL BY ENGINEER	LED 1800 LUMENS MIN. 3500K	UNDERCABINET	
WP1	LED EXTERIOR PERIMETER WALLPACK WITH DIE-CAST ALUMINUM HOUSING, IP66 RATED, FULL CUTOFF TYPE 3 DISTRIBUTION, 120V DRIVER, 3500K COLOR TEMPERATURE, BRONZE FINISH, AND PHOTOCELL.	LITHONIA DSXW1 LED 20C 530 35K T3M 120 PE PIR DDBXD * OR EQUAL APPROVED BY ENGINEER	LED 3800 LUMENS MIN	WALL 9'-0" AFF.	MOUNTING HEIGHT AND COLOR AS DIRECTED BY ARCHITECT. "EM" INDICATES FIXTURE WITH EMERGENCY BATTERY.
WP2	LED EXTERIOR PERIMETER WALLPACK WITH DIE-CAST ALUMINUM HOUSING, IP66 RATED, FULL CUTOFF TYPE 3 DISTRIBUTION, 120V DRIVER, 3500K COLOR TEMPERATURE, BRONZE FINISH, AND PHOTOCELL.	LITHONIA DSXW1 LED 20C 530 35K T3M 120 PE PIR DDBXD * OR EQUAL APPROVED BY ENGINEER	LED 4800 LUMENS MIN	WALL 8'-0" AFF.	MOUNTING HEIGHT AND COLOR AS DIRECTED BY ARCHITECT. "EM" INDICATES FIXTURE WITH EMERGENCY BATTERY. MOUNTED BENEATH GRATES AS HIGH AS POSSIBLE.
⊗	SINGLE FACE LED EXIT LIGHT WITH GREEN LETTERS ON MIRROR, EDGE-LIT STYLE, BRUSHED ALUMINUM TRIM, 120/277 VOLT OPERATION AND ARROWS AS SHOWN AND NICAD BATTERY BACKUP.	LITHONIA LRP 1 GMR (ARROWS AS REQ'D.) 120/277	LED	CEILING	

NOTE: PROVIDED UN-SWITCHED HOT CONDUCTOR TO EACH FIXTURE WITH EMERGENCY BATTERY BACKUP OR EXIT SIGN.

ALABAMA LICENSED No. 34400 PROFESSIONAL ENGINEER JOHN CRAIG MILLS 12/8/26

MCE MILLS-CONOLY ENGINEERING, P.C.
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STATE OF ALABAMA J.MICHAEL RUTLAND 2149 TIMOTHY R. HOLMES 3188 REGISTERED ARCHITECT

TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description

ELECTRICAL LEGEND, NOTES AND DETAILS

Sheet Number

E0.1

PRINTED: 1/7/2026 @ 4:43PM

FILE NAME: P:\2025 PROJECTS\JMR+H\25036-Tallapoosa Co. Jail E911 Addition\Drawings\BASE PLAN-ELECTRICAL-Tallapoosa E911.dwg

KEYED NOTES:

1. — BORE UNDERNEATH EXISTING PARKING LOT AS REQUIRED TO INSTALL NEW UNDERGROUND CONDUITS AS INDICATED.
2. — NEW UTILITY POLE MOUNTED TRANSFORMERS INSTALLED ON EXISTING UTILITY POLE. ROUTE NEW CONDUIT DOWN POLE AND SECURE AS REQUIRED. COORDINATE WITH UTILITY FOR EXACT REQUIREMENTS.
3. — INSTALL NEW UTILITY PROVIDED COMBINATION METER BASE/CT CABINET ON BUILDING EXTERIOR. COORDINATE EXACT REQUIREMENTS WITH UTILITY.

ELECTRICAL SITE PLAN

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

North

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ELECTRICAL SITE PLAN

Sheet Number

E1.1

ALABAMA LICENSED No. 34400 PROFESSIONAL ENGINEER JOHN CRAIG MILLS 1/8/26

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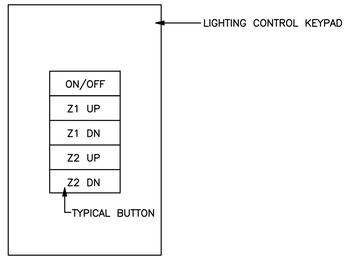
LIGHTING CONTROLS, LV2 PROGRAMMING SCHEDULE			
BUTTON	ENGRAVING	ZONE CONTROLLED	PROGRAMMING DESCRIPTION
1	ON/OFF	ZONE 1 & 2	ALL ZONES ON/OFF
2	Z1 UP	ZONE 1	ZONE 1 RAISE
3	Z1 DN	ZONE 1	ZONE 1 LOWER
4	Z2 UP	ZONE 2	ZONE 2 RAISE
5	Z2 DN	ZONE 2	ZONE 2 LOWER



DEVICE: $_{LV2}$

LOCATION: VARIES

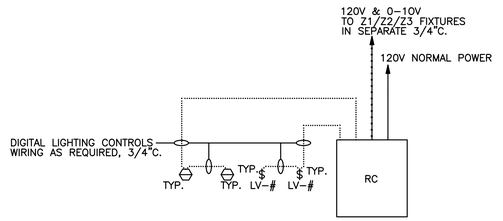
COLOR: GRAY

LIGHTING CONTROLS "LV2" DETAIL

NOT TO SCALE

NOTES:

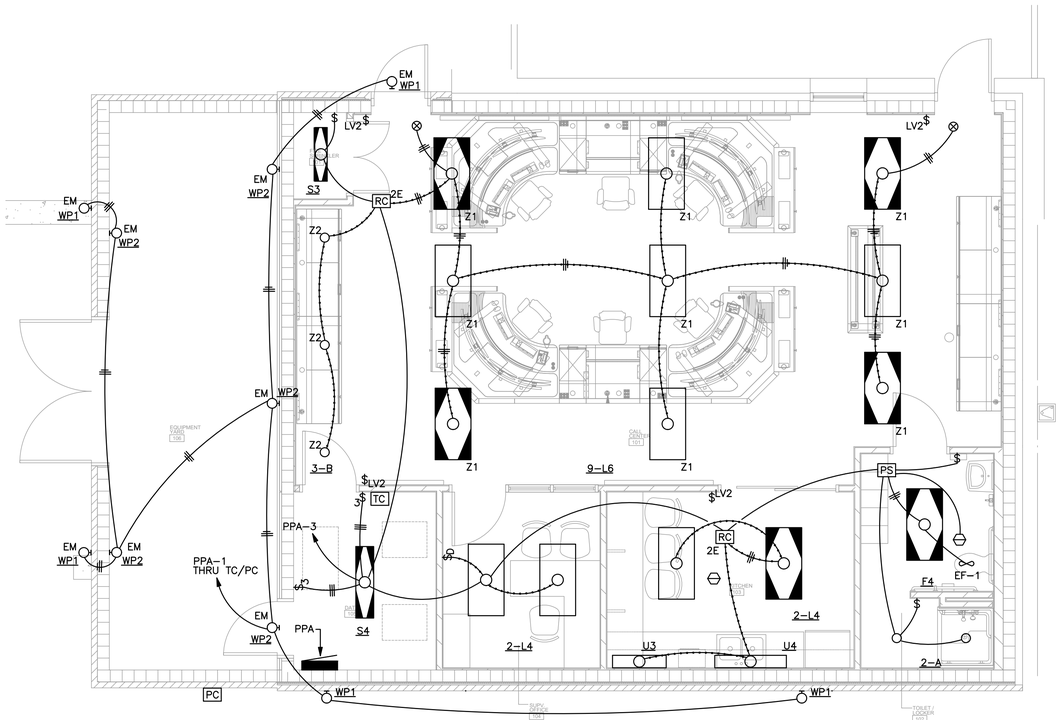
1. ZONE 1: AS SHOWN
   ZONE 2: AS SHOWN
2. WALL PLATE SHALL BE STAINLESS STEEL.
3. LIGHTING SHALL BE MANUAL "ON" AND AUTOMATIC "OFF".
4. TWO (2) INDIVIDUAL LOW-VOLTAGE DIMMERS MAY BE UTILIZED IN LIEU OF A SINGLE DEVICE.



TYPICAL LIGHTING CONTROLS RISER DIAGRAM

NOTES:

1. PROVIDE UNSWITCHED HOT LEG TO EACH "EM" FIXTURE TO ILLUMINATE EMERGENCY BATTERY BACKUP UPON LOSS OF NORMAL POWER.



LIGHTING PLAN

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

North

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TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

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Sheet Description

LIGHTING PLAN AND DETAILS

Sheet Number

E2.1

ALABAMA LICENSED No. 34400 PROFESSIONAL ENGINEER ADAM CRAIG MILLS 1/08/26

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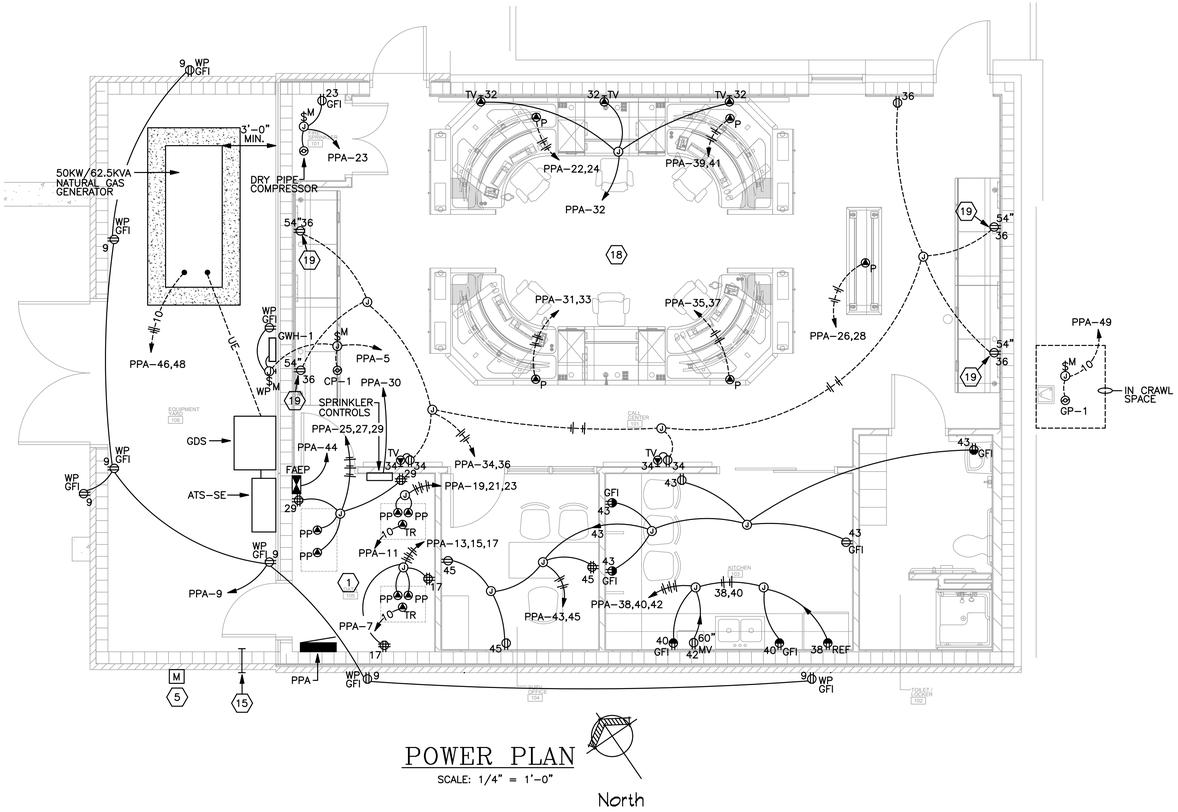
KEYED NOTES:

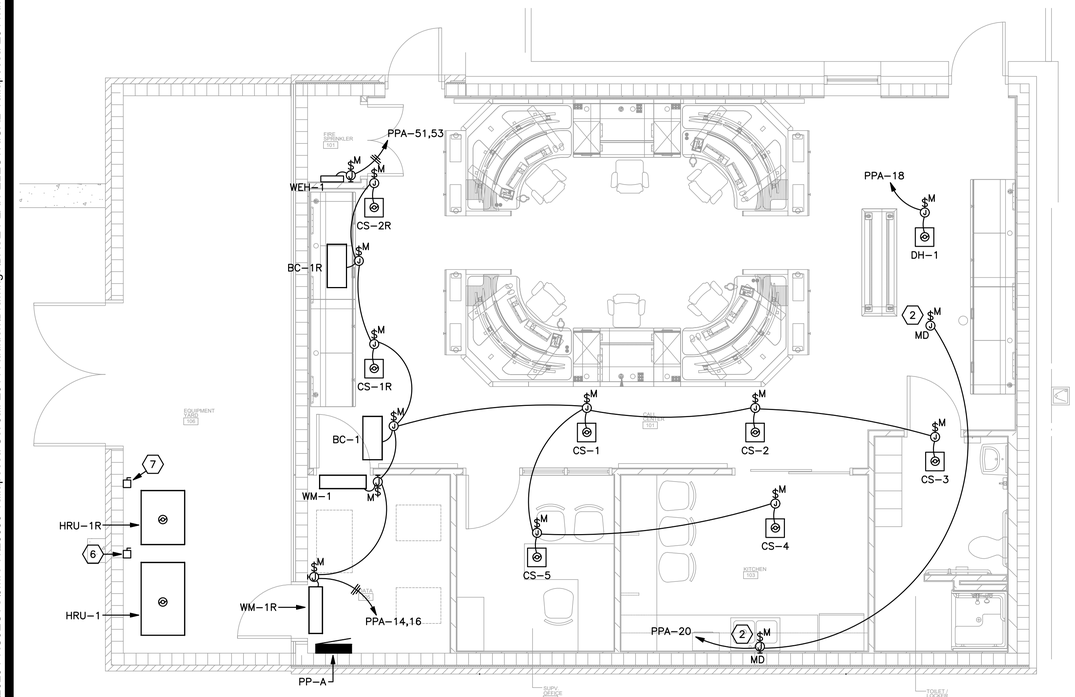
1. — ALL CONDUITS PENETRATING DATA ROOM WALLS SHALL BE FIRESEALED.
2. — INTERFACE WITH ROOM LIGHTING AS REQUIRED. SEE MECHANICAL FOR SEQUENCE OF OPERATION.
3. — BORE UNDERNEATH EXISTING PARKING LOT AS REQUIRED TO INSTALL NEW UNDERGROUND CONDUITS AS INDICATED.
4. — NEW UTILITY POLE MOUNTED TRANSFORMERS INSTALLED ON EXISTING UTILITY POLE. ROUTE NEW CONDUIT DOWN POLE AND SECURE AS REQUIRED.
5. — INSTALL NEW UTILITY PROVIDED COMBINATION METER BASE/CT CABINET ON BUILDING EXTERIOR. COORDINATE EXACT REQUIREMENTS WITH UTILITY.
6. — INSTALL NEW 60A/3P, 208V, H.D. SAFETY SWITCH IN A NEMA 3R ENCLOSURE WITH 40A D.E.T.D. FUSES (OR SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS), WALL MOUNTED. MAKE ALL CONNECTIONS AS REQUIRED.
7. — INSTALL NEW 60A/3P, 208V, H.D. SAFETY SWITCH IN A NEMA 3R ENCLOSURE WITH 30A D.E.T.D. FUSES (OR SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS), WALL MOUNTED. MAKE ALL CONNECTIONS AS REQUIRED.
8. — #1/0, 3/4"C. TO 3/4" X 10'-0" DRIVEN GROUND ROD.
9. — SEE SERVICE ENTRANCE GROUND DETAIL.
10. — 4 #4/0 & 1 #4 GND., 2-1/2"C.
11. — 4 #4/0 3"C. PROVIDE ONE (1) SPARE 3"C. SPARE CONDUIT FROM RISER POLE TO METER LOCATION ONLY.
12. — 3 #6 & 1 #10 GND., 1"C.
13. — 3 #8 & 1 #10 GND., 3/4"C.
14. — NEW 225A, 120/208V, 3-PHASE TRIPLE SWITCH DOCKING STATION "GDS" IN A NEMA 3R ENCLOSURE, WALL MOUNTED. UNIT TO HAVE EXTRA DEPTH FOR BOTTOM FEED.
15. — ONE (1) 5-INCH PVC CONDUIT RACEWAY SLEEVE STUBBED THRU WALL 1'-0" AFF. FOR TEMPORARY CABLING WITH INTEGRAL SCREW CAPS EACH END. SECURE AS REQUIRED.
16. — TVSS FOR ATS SHALL BE SURGE SUPPRESSION, INC., SMLB3Y1D3-21 WITH INTEGRAL DISCONNECTING MEANS AND NSI EASY TAPS ON LOAD CONDUCTORS.
17. — TVSS FOR PP-A SHALL BE SURGE SUPPRESSION, INC., CKLA3Y1E31-21.
18. — CONDUIT ROUTED BENEATH RAISED FLOOR THIS AREA UNLESS OTHERWISE INDICATED.
19. — COORDINATE EXACT MOUNTING HEIGHT WITH OWNER'S FURNITURE VENDOR.



POWER PLAN

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

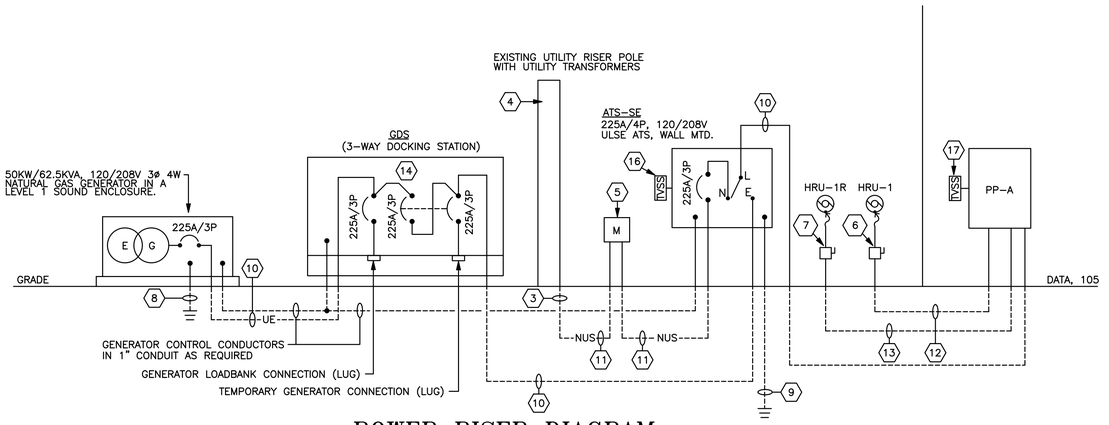
North



MECHANICAL EQUIPMENT CONNECTION PLAN

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

North



POWER RISER DIAGRAM

NOT TO SCALE

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REGISTERED ARCHITECT

TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

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Sheet Description

POWER PLANS AND POWER RISER DIAGRAM

Sheet Number

E3.1

ALABAMA LICENSED No. 34400 PROFESSIONAL ENGINEER JOHN CRAIG MILLS 1/8/26

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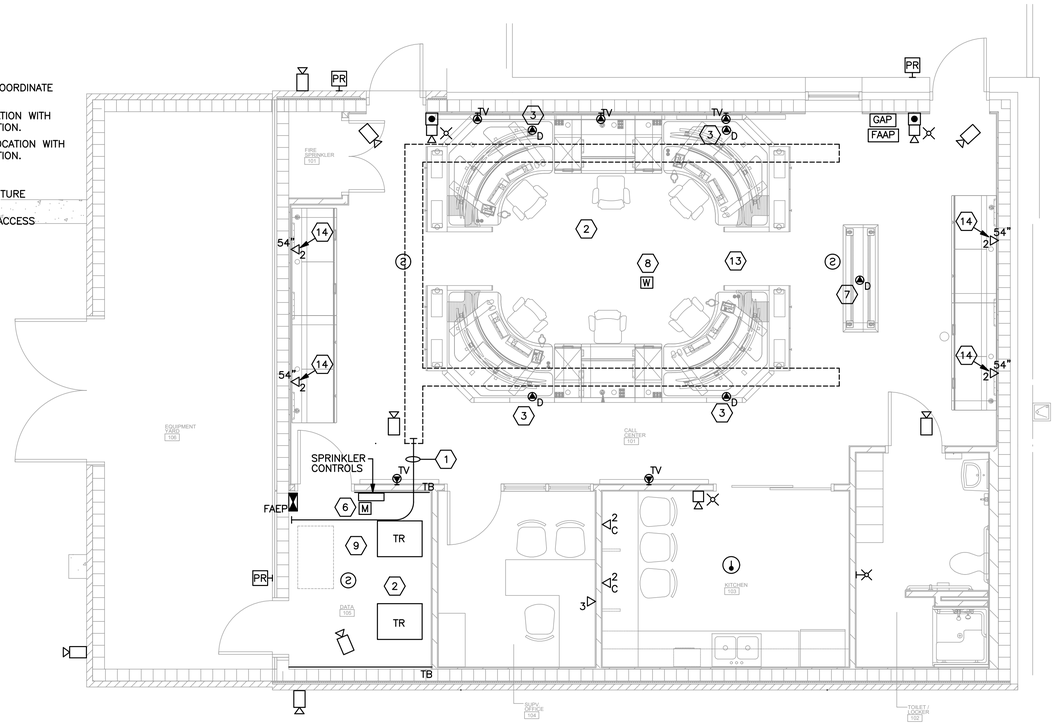
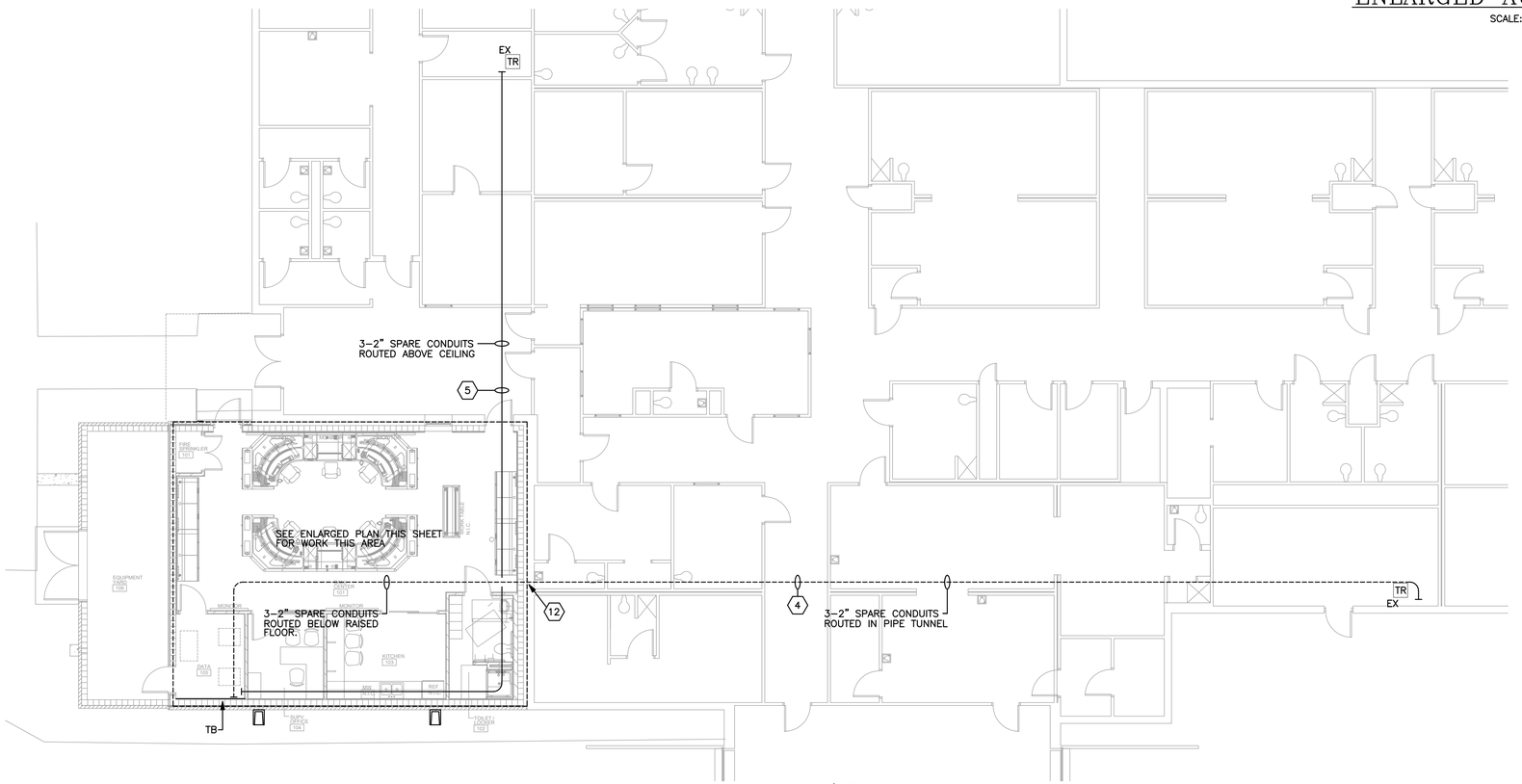
KEYED NOTES:

1. — 2–4" CONDUITS STUBBED THROUGH WALL BELOW RAISED FLOOR AND UP TO A BASKET TRAY IN DATA ROOM. TERMINATE CONDUIT AT EACH CABLE TRAY WITH INSULATED GROUNDING BUSHING BOTH ENDS. CONDUITS SHALL BE FIRESEALED AS THEY PENETRATE WALL INTO DATA ROOM. SEAL AROUND ALL CABLES UPON COMPLETION.
2. — PROVIDE COMPLETE GROUNDING AND BONDING SYSTEM THIS AREA FOR RAISED ACCESS FLOORING SUPPORT STRUCTURE AS REQUIRED. BOND BACK TO TGB WITH #6 AWG.
3. — ROUTE TWELVE (12) CAT 6 CABLES IN CABLE TRAY FROM PATCH PANEL IN RACK TO CONSOLE LOCATION. TERMINATE CAT 6 CABLES INTO LEVITON 47689–QP PATCH BLOCK IN CONSOLE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
4. — 12–STRAND SINGLE MODE FIBER OPTIC CABLE ROUTED IN 2"C. FROM EXISTING SERVER ROOM RACK IN JAIL TO NEW FIBER PATCH PANEL IN RACK IN DATA ROOM. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. PROVIDE ALL NEW FIBER OPTIC PATCH PANELS AND FIBER TRAYS AND MAKE ALL TERMINATIONS AS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION.
5. — 6–STRAND SINGLE MODE FIBER OPTIC CABLE ROUTED IN 2"C. FROM EXISTING DATA ROOM RACK IN JAIL TO NEW FIBER OPTIC PATCH PANEL IN RACK IN DATA ROOM. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. PROVIDE ALL NEW FIBER OPTIC PATCH PANELS AND FIBER TRAYS AND MAKE ALL TERMINATIONS AS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION.
6. — INTERFACE AS REQUIRED WITH SPRINKLER CONTROLS FOR A COMPLETE AND OPERATIONAL SYSTEM.
7. — ROUTE FOUR (4) SPARE CAT 6 CABLES IN CABLE TRAY FROM PATCH PANEL IN RACK TO FUTURE EQUIPMENT LOCATION. CABLES TO BE COILED UP IN CABLE TRAY WITH 25' SLACK FOR FUTURE TERMINATION.
8. — ROUTE TWO (2) CAT 6 CABLES IN 3/4"C. FROM PATCH PANEL IN RACK TO WIRELESS ACCESS POINT LOCATION. TERMINATE CAT 6 CABLES INTO BISCUIT JACK ABOVE CEILING AT WIRELESS ACCESS POINT LOCATION. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
9. — SEE ENLARGED PLAN THIS SHEET FOR ADDITIONAL WORK THIS AREA.
10. — 10"W X 4" D STEEL BASKET TRAY MOUNTED 8'–0" AFF. UNLESS OTHERWISE DIRECTED BY OWNER.
11. — CONDUIT UP TO CABLE TRAY. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
12. — TRANSITION CONDUIT FROM PIPE TUNNEL TO BELOW RAISED FLOOR IN NEW ADDITION AS REQUIRED.
13. — HORIZONTAL DATA CABLING ROUTED IN CABLE TRAY BENEATH RAISED FLOOR THIS AREA UNLESS OTHERWISE INDICATED.
14. — COORDINATE EXACT MOUNTING HEIGHT WITH OWNER'S FURNITURE VENDOR.



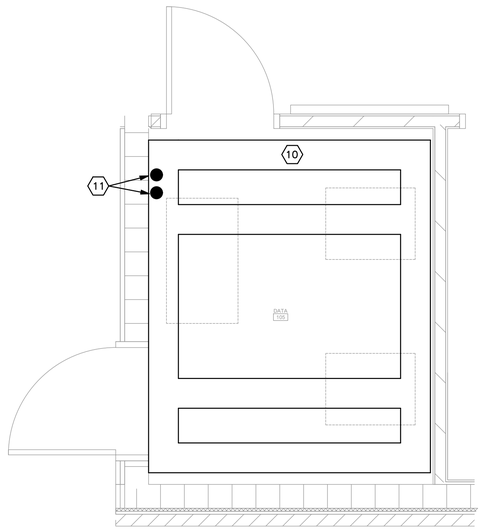
ENLARGED AUXILIARY PLAN
SCALE: 1/4" = 1'–0"

North



AUXILIARY PLAN
SCALE: 1/8" = 1'–0"

North



ENLARGED DATA, 108 PLAN
SCALE: 1/2" = 1'–0"

North

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STATE OF ALABAMA
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TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

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Sheet Description
AUXILIARY PLANS

Sheet Number
E4.1

ALABAMA LICENSED No. 34400 PROFESSIONAL ENGINEER ADAM CRAIG MILLS

MCE MILLS-CONOLY ENGINEERING, P.C.
8218 OLD FEDERAL ROAD MONTGOMERY, AL 36117
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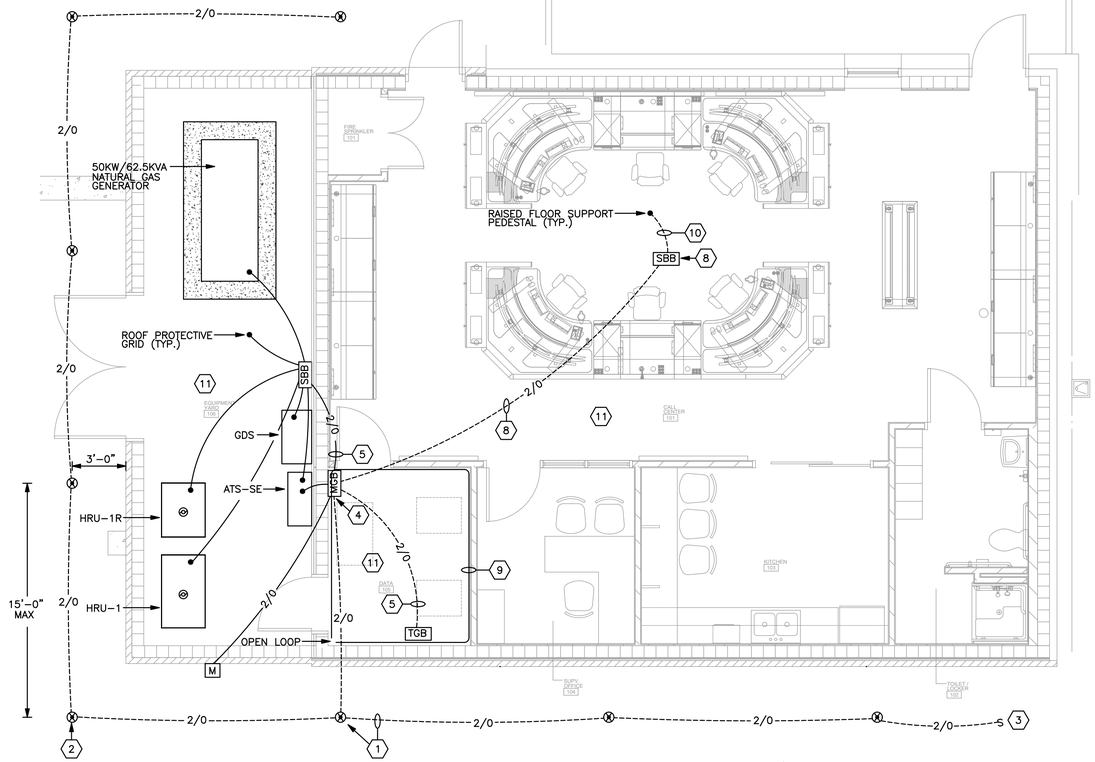
KEYED NOTES:

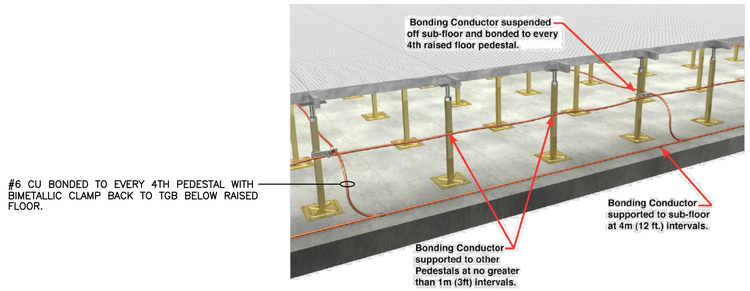
1. — #2/0 BARE STRANDED COPPER GROUND CONDUCTOR BURIED 2'–6" MINIMUM BELOW GRADE. GROUND CONDUCTOR TO BE 3'–0" FROM THE EXTERIOR WALL. EXOTHERMICALLY WELD TO GROUND ROD AS INDICATED.
2. — TYPICAL 3/4" X 10'–0" COPPER GROUND ROD AND TEST WELL LOCATION. GROUND ROD/TEST WELL SHALL BE SPACED 15'–0" MAXIMUM BETWEEN EACH OTHER.
3. — MAKE CONNECTION TO EXISTING BUILDING GROUND RING WITH EXOTHERMICALLY WELDED CONNECTION. FIELD VERIFY EXACT LOCATION OF EXISTING GROUND RING.
4. — MAKE CONNECTION TO NEW MAIN EQUIPMENT GROUND BUS WITH DOUBLE LUG CRIMP CONNECTION.
5. — #2/0 JACKETED STRANDED COPPER GROUND CONDUCTOR IN NONMETALLIC CONDUIT. MAKE CONNECTION TO NEW MAIN EQUIPMENT GROUND BUS WITH DOUBLE LUG CRIMP CONNECTION.
6. — BOND ALL METALLIC EQUIPMENT IN YARD TO SBB WITH #6 JACKETED STRANDED COPPER GROUND CONDUCTOR WITH DOUBLE LUG CONNECTORS. CONDUCTORS TO BE ROUTED IN NONMETALLIC CONDUIT WHERE EXPOSED.
7. — BOND EACH SECTION OF THE ROOF PROTECTIVE GRID ON TOP OF MECHANICAL YARD TO THE ADJOINING PANEL WITH HOMERUN TO SBB WITH #6 JACKETED STRANDED COPPER GROUND CONDUCTOR WITH DOUBLE LUG CONNECTORS. CONDUCTORS TO BE ROUTED IN NONMETALLIC CONDUIT WHERE EXPOSED.
8. — #2/0 JACKETED STRANDED COPPER GROUND CONDUCTOR IN NONMETALLIC CONDUIT TO SBB UNDER RAISED FLOOR. MAKE CONNECTION TO NEW MAIN EQUIPMENT GROUND BUS WITH DOUBLE LUG CRIMP CONNECTION.
9. — #2 INSULATED CU PERIMETER BONDING BUS "PBB" CONDUCTOR INSTALLED AT CABLE TRAY HEIGHT AROUND PERIMETER OF ROOM WITH INSULATED STANDOFF CLAMPS 2'–0" O.C. AND BONDED BACK TO TGB WITH DOUBLE LUG CRIMPED CONNECTOR. BOND ALL METALLIC COMPONENTS INCLUDING DOOR JAMB TO "PBB" WITH DOUBLE LUG CRIMPED AND COPPER "C" CRIMPED CONNECTORS. "PBB" SHALL BE OPEN ON FAR CORNER AND NOT CONNECTED TO ITSELF. SEE "PBB" DETAIL THIS SHEET.
10. — #6 SOLID CU GROUND CONDUCTOR BONDED TO EVERY FOURTH RAISED FLOOR SUPPORT PEDESTAL WITH BIMETALLIC CLAMP. BOND BACK TO SBB BELOW RAISED FLOOR THIS AREA. SEE DETAIL THIS SHEET.
11. — ALL GROUNDING TO CONFORM TO MOTOROLA R56–2017 STANDARD.



ENLARGED GROUNDING PLAN

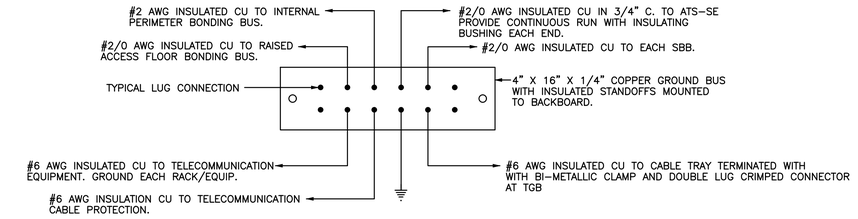
SCALE: 1/4" = 1'–0"

North



RAISED FLOOR BONDING DETAIL

NOT TO SCALE

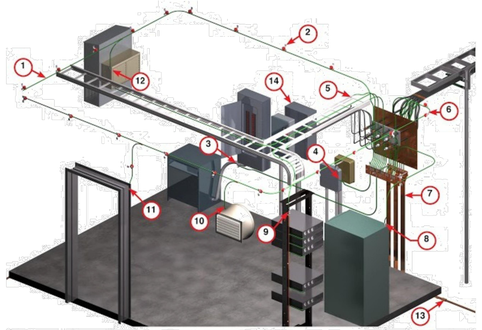


MAIN EQUIPMENT GROUND BUS (MGB)

NO SCALE

NOTES:

1. "MGB" SHALL BE HARGER GBIA14416M OR APPROVED EQUAL.
2. "TGB" AND UNDERFLOOR "SBB" SHALL BE HARGER GBIA14412M OR APPROVED EQUAL.
3. ALL "TBG" HARDWARE CONNECTIONS SHALL BE STAINLESS STEEL.
4. OUTDOOR EQUIPMENT YARD "SBB" SHALL BE HARGER TGBIA14412M OR APPROVED EQUAL.



1	#2 AWG INTERNAL PERIMETER BONDING BUS CONNECTED TO THE PBB AT ONE END	8	UPS EQUIPMENT GROUND CONDUCTOR TO THE PBB
2	STANDOFF CLAMP WITH INSULATOR	9	EQUIPMENT BONDING BUS TO PBB
3	BOND AC ELECTRICAL SERVICE TO THE PBB	10	BOND EXHAUST FANS AND AIR VENTS TO INTERNAL PERIMETER BONDING BUS
4	BOND TELCO GROUND TO THE PBB	11	BOND DOOR FRAME TO INTERNAL PERIMETER GROUND BUS
5	BOND CABLE TRAY TO THE PBB	12	BOND HVAC TO IPBB
6	BOND IPBB TO PBB	13	SHELTER GROUND RING
7	ENTRANCE PANEL GROUND STRAPS EXOTHERMICALLY WELDED TO THE SHELTER GROUND RING	14	AC ELECTRICAL METER BOX

PERIMETER BONDING BUS DETAIL

NOT TO SCALE

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STATE OF ALABAMA — J.MICHAEL RUTLAND 2149 — TIMOTHY R. HOLMES 3188 — REGISTERED ARCHITECT

TALLAPOOSA CO E911 ADDITION TO THE TALLAPOOSA COUNTY JAIL FACILITY

DADEVILLE, AL

CONSTRUCTION DOCUMENTS

Project Number: 25-1465
Date: 8 JANUARY 2026
Revisions:

Sheet Description

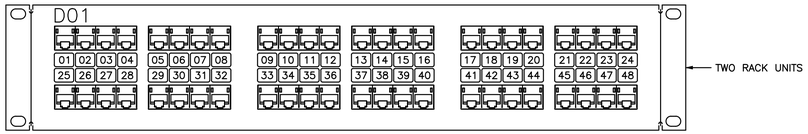
GROUNDING PLAN AND DETAILS

Sheet Number

E4.2

ALABAMA LICENSED — No. 34400 — PROFESSIONAL ENGINEER — ADAM CRAIG MILLS — 10/31/26

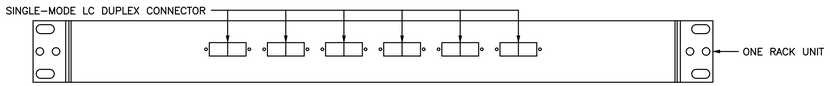
MCE MILLS-CONOLY ENGINEERING, P.C.
8218 OLD FEDERAL ROAD MONTGOMERY, AL 36117
TELEPHONE: (334) 270–0010 FAX: (334) 270–0040



TYPICAL 48 PORT CAT 6 PATCH PANEL DETAIL

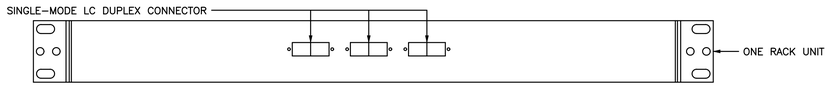
NO SCALE

NOTE: LEVITON 49256-H48 QUCIKPORT CAT6 ANGLED PATCH PANEL.



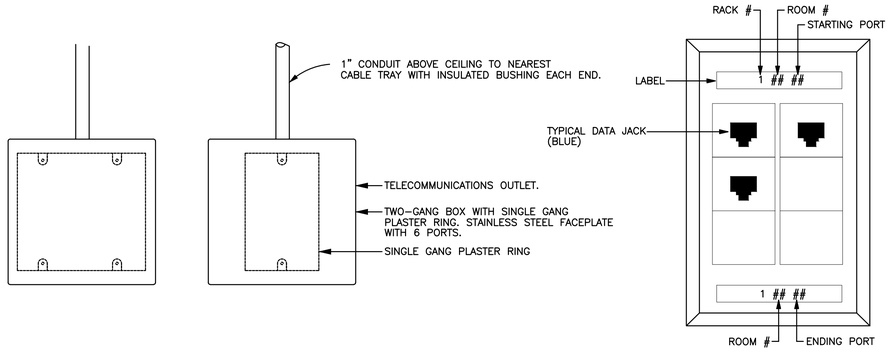
TYPICAL 12 PORT FIBER OPTIC PATCH PANEL DETAIL

NO SCALE



TYPICAL 6 PORT FIBER OPTIC PATCH PANEL DETAIL

NO SCALE

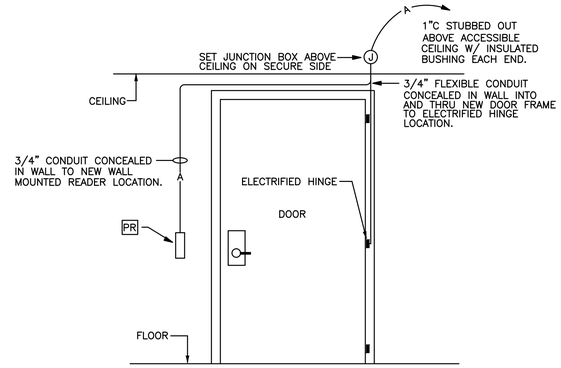


SYMBOL "▽# " OUTLET DETAIL

NOT TO SCALE

NOTES:

1. COORDINATE ACTUAL LABELING NOMENCLATURE WITH IT PERSONNEL.
2. # INDICATES NUMBER OF JACKS/CAT 6 CABLES.
3. COORDINATE EXACT PATCH PANEL TO TERMINATE CAT6 CABLE IN WITH OWNER.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CABLING, PATCH PANELS, TERMINATION AND TESTING, ETC. FOR A COMPLETE AND OPERATIONAL SYSTEM.

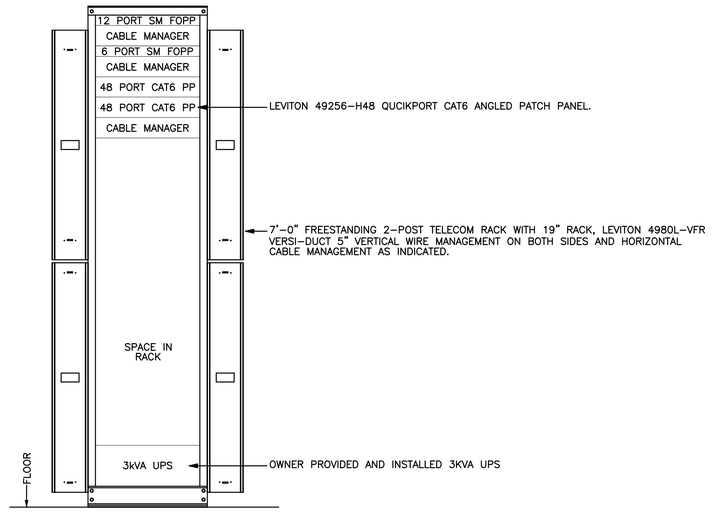


ACCESS CONTROL DOOR DETAIL

NO SCALE

NOTES:

1. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.



TR

NO SCALE

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AUXILIARY DETAILS

Sheet Number

E4.3

ALABAMA LICENSED No. 34400 PROFESSIONAL ENGINEER JOHN CRAIG MILLS 1/8/26

MCE MILLS-CONOLY ENGINEERING, P.C.
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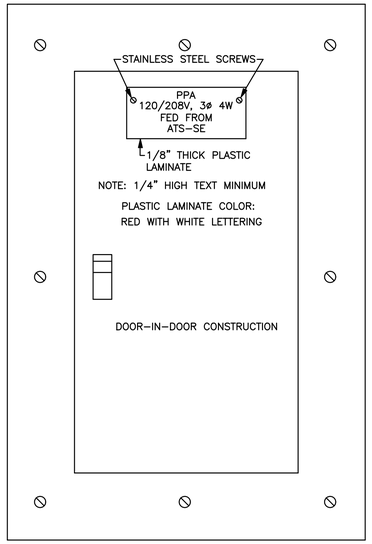
TELEPHONE: (334) 270-0010 FAX: (334) 270-0040



PANELBOARD I.D. DETAIL

NOT TO SCALE

PANELBOARD SCHEDULE

PANEL: PPA — MAINS: 225A MLO — SERVICE: 208/120V 3ø 4W

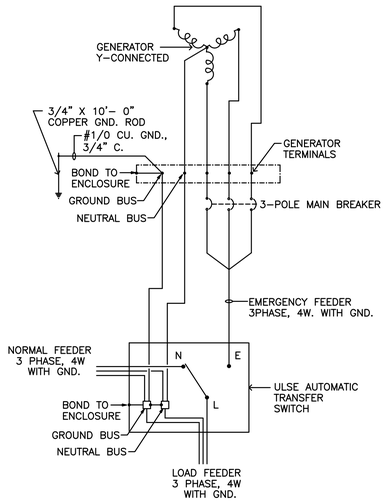
TYPE: NQOD 454L225 CU — A.I.C.: 22 KA — MOUNTED: SURFACE

DESCRIPTION	VOLT–AMP LOAD PHASE A	PHASE B	PHASE C	CIRCUIT BREAKERS TRIP	POLE	CIR	CIR	TRIP	POLE	VOLT–AMP LOAD PHASE A	PHASE B	PHASE C	DESCRIPTION
EXTERIOR LIGHTING	360			20	1	1	2	60	3	3850			HRU–1
INTERIOR LIGHTING		950		20	1	3	4	–	–		3850		–
GWH–1 & CP–1			180	20	1	5	6	–	–			3850	–
RACK UPS	2880			30	1	7	8	50	3	2900			HRU–1R
EXTERIOR RECEPTACLES		900		20	1	9	10	–	–		2900		–
RACK UPS			2880	30	1	11	12	–	–			2900	–
RECEPT–PP–DATA, 105	1200			20	1	13	14	20	2	620			CS–1–5, WM–1/1R, BC–1/1R
RECEPT–PP–DATA, 105		1200		20	1	15	16	–	–		620		–
RECEPT–DATA, 105			720	20	1	17	18	20	1			1500	DH–1
RECEPT–PP–DATA, 105	1200			20	1	19	20	20	1	600			MOTORIZED DAMPERS
RECEPT–PP–DATA, 105		1200		20	1	21	22	20	1		360		RECEPT–CONSOLE; CALL–101
DRY PIPE COMPRESSOR/REC.			900	20	1	23	24	20	1			360	RECEPT–CONSOLE; CALL–101
RECEPT–PP–DATA, 105	1200			20	1	25	26	20	1	360			RECEPT–FUTURE; CALL–101
RECEPT–PP–DATA, 105		1200		20	1	27	28	20	1		360		RECEPT–FUTURE; CALL–101
RECEPT–DATA, 105			720	20	1	29	30	20	1			200	SPRINKLER CONTROLS
RECEPT–CONSOLE; CALL–101	360			20	1	31	32	20	1	1200			RECEPT–MONITORS–CALL, 101
RECEPT–CONSOLE; CALL–101		360		20	1	33	34	20	1		1160		RECEPT–MONITORS–CALL, 101
RECEPT–CONSOLE; CALL–101			360	20	1	35	36	20	1			900	RECEPT–CALL, 101
RECEPT–CONSOLE; CALL–101	360			20	1	37	38	20**	1	1500			REFRIGERATOR–KITCHEN, 103
RECEPT–CONSOLE; CALL–101		360		20	1	39	40	20	1		360		RECEPT–KITCHEN, 103
RECEPT–CONSOLE; CALL–101			360	20	1	41	42	20**	1			1200	MICROWAVE–KITCHEN, 103
RECEPT–102/103	900			20	1	43	44	20*	1	500			FAEP
RECEPT–OFFICE, 104		720		20	1	45	46	30	2		1500		GENERATOR LOADCENTER
SPARE (FUTURE CCTV/ACS)			0	20	1	47	48	–	–			1500	–
GP–1	1920			30	1	49	50	20	1	0			SPARE
WEH–1		750		20	2	51	52	20	1		0		SPARE
–			750	–	–	53	54	20	1			0	SPARE
SUB TOTAL	10380	7640	7320							11530	11110	12410	SUB TOTAL

CONNECTED LOAD PHASE A: 21820
CONNECTED LOAD PHASE B: 18750
CONNECTED LOAD PHASE C: 19730
TOTAL CONNECTED LOAD : 60390

PANELBOARD NOTES:

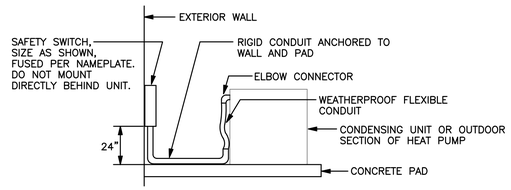
* FACP CIRCUIT BREAKER SHALL BE RED IN COLOR WITH LOCK–ON ATTACHMENT.
** INDICATES BREAKER IS GFCI TYPE.



GENERATOR GROUNDING DETAIL

NOT TO SCALE

NOTE: SEE POWER RISER DIAGRAM FOR FEEDER SIZING.



CONDENSING UNIT CONNECTION DETAIL

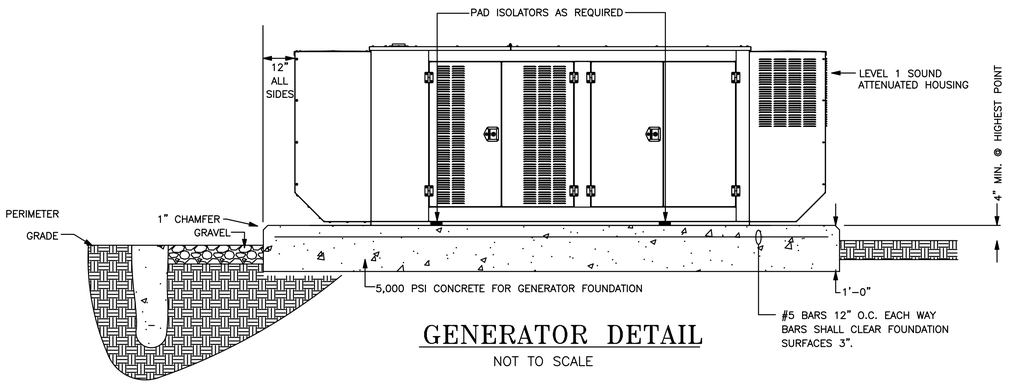
NO SCALE

NOTES:

1. SWITCH SHALL BE MOUNTED IN ACCESSIBLE LOCATION AND PER N.E.C.
2. CONTROL CONDUITS SHALL BE RUN IN SIMILAR MANNER EXCEPT PROVIDE CAST BOX WITH BLANK COVER IN LIEU OF SWITCH. IF CONTROL WIRING IS RATED FOR VOLTAGE OF BRANCH WIRING, THEN IT IS PERMISSIBLE TO BE RUN IN SAME CONDUIT.

NOTE

ORIENT GENERATOR SO THAT EXHAUST IS UP AND MISSES STRUCTURE ABOVE.

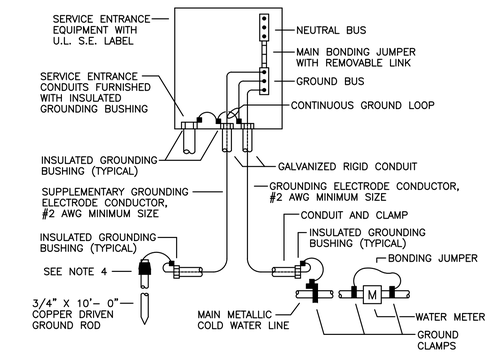


GENERATOR DETAIL

NOT TO SCALE

NOTES:

1. MAINTAIN A MINIMUM OF 3'–0" CLEARANCE OF THE SIDES OF THE GENERATOR. GENERATOR HOUSING DIMENSIONS MUST NOT EXCEED THE REQUIRED CLEARANCES WITH THE EXTERIOR WALLS.
2. PROVIDE ONE (1) CAT 6 CABLE FROM PATCH PANEL IN SERVER ROOM TERMINATED INTO A BISCUIT JACK INSIDE GENERATOR ENCLOSURE. CABLING SHALL BE RUN IN 3/4"C. UNDERGROUND INTO ENCLOSURE. COORDINATE EXACT LOCATION INSIDE ENCLOSURE WITH OWNER AND GENERATOR MANUFACTURER.
3. JACKET WATER HEATER, BATTERY CHARGER, RECEPTACLE AND ENCLOSURE LIGHTING SHALL ALL BE SERVED FROM LOADCENTER INSIDE GENERATOR ENCLOSURE. PROVIDE CIRCUIT BREAKERS SIZED AS REQUIRED BY GENERATOR MANUFACTURER.



SERVICE ENTRANCE GROUND DETAIL

NO SCALE

NOTES:

1. GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED FULL LENGTH BY GALVANIZED RIGID CONDUIT AS INDICATED.
2. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER, SOFT–DRAWN.
3. ALL BUSHINGS, CLAMPS, JUMPERS, DEVICES, ETC. INSTALLED IN DIRECT CONTACT WITH EARTH SHALL BE APPROVED FOR THE PURPOSE.
4. GROUND CONNECTIONS BELOW GRADE SHALL BE OF THE EXOTHERMICALLY WELDED TYPE.
5. GROUND CONNECTIONS TO THE #2/0 BURIED GROUND LOOP SHALL BE OF THE EXOTHERMICALLY WELDED TYPE.

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E5.1

40 OF 40

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