



TENANT FIT-UP PROVALUS

former NEWS REPORTER BUILDING
127 WEST COLUMBUS ST., WHITEVILLE, NC

INDEX OF DRAWINGS

GENERAL	
G0.1	COVERSHEET
G0.2	BUILDING CODE SUMMARY
G1.0	LIFE SAFETY
ARCHITECTURAL	
D1.0	OVERALL EXISTING PLAN
D1.1	DEMOLITION - FIRST FLOOR PLAN
D1.2	DEMOLITION - REFLECTED CEILING PLAN
D1.3	DEMOLITION - ELEVATIONS
A1.0	FIRST FLOOR PLAN
A1.1	ROOF PLAN
A1.2	REFLECTED CEILING PLAN
A1.3	FINISH PLAN - FIRST FLOOR
A1.4	FURNITURE PLAN - FIRST FLOOR
A1.5	ENLARGED PLANS
A1.6	ENLARGED RESTROOM PLANS
A2.0	OVERALL BUILDING ELEVATIONS
A6.1	DOOR AND WINDOW SCHEDULE
A7.1	CASEWORK ELEVATIONS
STRUCTURAL	
S0.1	GENERAL NOTES
S0.2	TYPICAL DETAILS
S0.3	TYPICAL DETAILS
S1.0	STRUCTURAL PLACEHOLDER
PLUMBING	
P0.1	PLUMBING NOTES, LEGEND, AND DETAILS
P1.1	PLUMBING PLAN
P2.1	PLUMBING FIXTURE SCHEDULE
P2.2	PLUMBING DETAILS CONTINUED AND WASTE RISER
MECHANICAL	
M0.1	MECHANICAL NOTES, LEGEND, & SCHEDULES
M1.1	MECHANICAL PLAN
M1.2	MECHANICAL ROOF PLAN
M2.1	MECHANICAL DETAILS
M3.1	MECHANICAL SCHEMATICS
ELECTRICAL	
E0.1	ELECTRICAL NOTES, LEGEND, DETAILS
E1.1	LIGHTING PLAN
E1.2	ELECTRICAL PLAN
E1.3	ELECTRICAL CONNECTIONS PLAN
E1.4	ELECTRICAL CONNECTIONS PLAN (ROOF)
E2.1	LIGHT FIXTURE SCHEDULE AND DETAILS
E2.2	POWER RISER
E2.3	PANEL SCHEDULES
FIRE ALARM	
FA0.1	FIRE ALARM NOTES, LEGEND, DETAILS
FA1.1	FIRE ALARM PLAN



ABBREVIATIONS

@ AT	ELEV ELEVATION	MTL METAL	SSG STRUCTURAL SILICON GLAZING
ACC ACCENT COLOR	EN ENAMEL	MWM METAL WALK-OFF MAT	SSM SOLID SURFACE
ACOUS ACOUSTIC	EPT HIGH PERFORMANCE	MYT MARBLE WALL TILE	ST STEEL
ACT ACOUSTICAL CEILING TILE	EPX EPOXY PAINT	NA NOT APPLICABLE	STAR STAIR TREADS AND RISERS
ADW ACOUSTICAL WALL PANELS	EQ EQUL	NC NOT IN CONTRACT	STD STANDARD
AD AREA DRAIN	ES EXPOSED STRUCTURE	NOM NORMAL	SUSP SUSPENDED
ADJ ADJUSTABLE	EST EXISTING	OC ON CENTER	T&G TONGUE AND GROOVE
AE APPROVED EQUAL	EXP EXPOSED CEILING	OD OUTSIDE DIAMETER	TB TILE BASE
AFF ARCH FINISH FLOOR	EXT EXTERIOR	OFCI OWNER FURNISHED, CONTRACTOR INSTALLED	TC TERRA COTTA
AFL ATHLETIC FLOORING	EW EACH WAY	OFOI OWNER FURNISHED, CONTRACTOR INSTALLED	TCA TILE COUNCIL OF AMERICA
AHU AIR HANDLING UNIT	EWC ELECTRIC WATER COOLER	OPI OPPOSITE	TEL TELEPHONE
ALUM ALUMINUM	FC FIRE CODE	OSC OVERFLOW SCUPPER	TEMP TEMPERED
ANOD ANODIZED	FD FLOOR DRAIN	OZ OUNCE	TEXT TEXTURED
ANS AMERICAN NATIONAL STANDARD INSTITUTE	FE FIRE EXTINGUISHER SURFACE MOUNTED	OSG OVERFLOW SCUPPER	TFT TERRAZZO FLOOR
ATTN ATTENTION	FF FINISH FLOOR	P PAINT	TOC TOP OF CURB
AWP ACRYLIC WALL PANELS	FFH FIRE HYDRANT	PC POLISHED CONCRETE	TOS TOP OF STEEL
BBT BIODEgradable TILE	FLU FLOURESCENT	PER PREPARED	TP TELEPHONE POLE
BF BLOCK FALL	FOF FACE OF FRAME	PFT PORCELAIN FLOOR TILE	TS TRANSITION STRIP
BFS BRICKED FINISHED	FOM FACE OF MASONRY	PIV PIVOT INDICATOR VALVE	TV TELEVISION
BL BLINDS	FT FLOOR TILE	PL PLATE	TVB TELEVISION MOUNTING
BLDG BUILDING	FTG FOOTING	PLAM PLASTIC LAMINATE	TVT TYPICAL
BLKG BLOCKING	FV FLOOD VENT	PLAMWV PLASTIC LAMINATE WOOD DOORS	UL UNDERWRITERS LABORATORY
BOT BOTTOM	GA GAGE	PLYWD PLYWOOD	LUL LULU LIGHTS
BPD BULLET PROOF GLASS	GAU GALVANIZED	PNT PAINT	LNO UNLESS NOTED OTHERWISE
BS BATH BASIN	GC GENERAL CONTRACTOR	POLYV POLYETHYLENE	VACT VINYL ACOUSTICAL TILE
CEM CEMENTIOUS SIDING	GCT GRANITE COUNTERTOP	PP POWER POLE	VB VAPOR BARRIER
CF CORX FLOORING	GEN GENERATOR	PR PAR	VCT VINYL COMPOSITION TILE
CFF CERAMIC FLOOR TILE	GFT GRANITE FLOOR TILE	PTS PORCELAIN TILE BASE	VERT VERTICAL
CG CURVED CEILING GRID	GL GLASS	PTD PANTED	VF VERIFY IN FIELD
CI CAST IRON	GMT GLASS MOSAIC TILE	PTP PLASTIC TOILET PARTITIONS	VWC VINYL WALL COVERING
CM CURS INLET	GT GROUT	PWT PORCELAIN WALL TILE	W WITH
CJ CONTROL JOINT	GWB GYPSUM WALL BOARD	PVC POLYVINYL CHLORIDE	WIC WATER CLOSET
CL CENTERLINE	GYP GYPSUM BOARD	OS QUARTZ SURFACE	WD WOOD
CLS CEILING	GLR GLR	QI QUARRY TILE	WF WOOD FLOORING
CMU CONCRETE MASONRY UNIT	HB HOSE BIB	QZ QUARTZ TILE	WIT WALL TILE
CRF CORN RUBBER FLOORING	HCC HANDICAP	R RADIUS	WY WALL TILE - SEE ELEVATION
CSC COUNTERSUNK	HOWD HARDWOOD	R&S ROD AND SHELF	WWF WELDED WIRE
CSTR CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED	HR HOLLOW METAL	RB RESILIENT BASE	WWM WELDED WIRE MESH
CONTR CONTRACTOR	HORZ HORIZONTAL	RCP REINFORCED CONCRETE	
CORR CORRUGATED	HR HOUR	RD ROOF DRAIN	
CPT CARPET	ID INSIDE DIAMETER	RDL ROOF DRAIN LEADER	
CPTT CARPET TILE	IMP INSULATED METAL PANEL	RECP RECEPTACLE	
CRD COLD ROLLED CHANNEL	INSTA INSTALLATION	RECYF RECYCLED FLOORING	
CRF CORN RUBBER FLOORING	INSUL INSULATION	RCD REQUIRED	
CSC COUNTERSUNK	INT INTERIOR	RES RESILIENT	
CSD CONTRACTOR SUPPLIED, CONTRACTOR INSTALLED	INV INVERT	RM RUBBER MAT	
CTB CERAMIC TILE BASE	JB JOIST BEARING	RO ROUGH OPENING	
CV CURTAIN WALL	JBL JOIST BEARING	ROW RIGHT OF WAY	
CWT CERAMIC WALL TILE	JT JOINT	RSF RESINOUS FLOORING	
		RTF RESLENT TILE FLOORING	
		SAT SPRAYED ACOUSTICAL TREATMENT	
		SC SEALED CONCRETE	
		SCH SCHEDULE	
		SCW SOLID CORE WOOD	
		SDT STATIC DISSIPATIVE TILE	
		SF STOREFRONT	
		SHR SHEATHING	
		SIM SIMILAR	
		SP SPACES	
		SQFT SQUARE FEET	
		SRT SLP RESISTANT TILE	
		SS STAINLESS STEEL	
		SSC STAINED SEALED CONCRETE	
EDG EDGE BANDING	MAX MAXIMUM		
EES EMERGENCY EYE WASH AND SHOWER	MB MASONRY BRICK		
EPC EPOXY FLOOR COATING	MBL MARBLE		
EFS EXTERIOR INSULATION FINISH SYSTEM	MC METAL CANOPY		
EP EXISTING IRON PIPE	MCT METAL CEILING TILE		
EJ EXPANSION JOINT	MECH MECHANICAL		
	MFR MANUFACTURER		
	MFT MARBLE FLOOR TILE		
	MIN MINIMUM		
	MO MASONRY OPENING		
	MTB MARBLE TILE BASE		
	MTD MOUNTED		

SYMBOL LEGEND

DRAWING NO.	1	DRAWING NAME	View Name
SHEET NO.	A101	SCALE	1/8" = 1'-0"
DETAIL NO.	2	BUILDING SECTION MARK	
SHEET NO.	A203	WALL SECTION MARK	
DETAIL NO.	2	CALLOUT DETAIL	
SHEET NO.	A203	EXTERIOR ELEVATION MARK	
DETAIL NO.	2	INTERIOR ELEVATION MARK	
SHEET NO.	A203	CONTROL / ELEVATION MARK	
ELEVATION VALUE	15'-4"		
REFERENCE DESCRIPTION	15'-4"		
DOOR MARK	XXXX		
WINDOW MARK	XXX		
CASEWORK MARK	81		
WALL MARK	#		
ACCESSORIES MARK	EHD		
DEMO MARK	#		
REVISION AREA / NUMBER	1		
ROOM MARK	Room name		
ROOM NO.	101A		
CARD READER	CR		

SHEET NAMING LEGEND

SECTION	DISCIPLINE	PAGE NUMBER
0 GENERAL	G COVER	
1 PLANS	G CODE SUMMARY	
2 EXTERIOR ELEVATIONS	G LIFE SAFETY	
3 BUILDING / WALL SECTIONS	CE CIVIL	
4 VERTICAL CIRCULATION	L LANDSCAPE	
5 DETAILS	S STRUCTURAL	
6 WINDOW & DOOR SCHEDULES	D DEMOLITION	
7 INTERIOR ELEV / CASEWORK	A ARCHITECTURAL	
	Q EQUIPMENT	
	P PLUMBING	
	M MECHANICAL	
	E ELECTRICAL	
	FA FIRE ALARM	
	X MISCELLANEOUS	

APPLICABLE TO ARCHITECTURAL SHEETS ONLY

CONSULTANTS

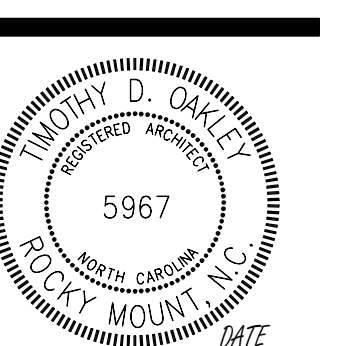
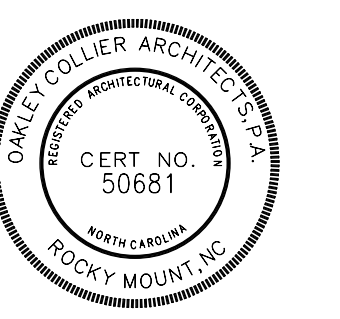
CIVIL ENGINEER:

400-201 W MORGAN STREET
ROCKWELL, NC 27803 PHONE: 919 828 4666

PLUMBING, MECHANICAL, & ELECTRICAL ENGINEER:

3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612 PHONE: 919-571-1111

RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date
Date	Project No.	
10/30/2024	24002	
Drawn By	Sheet No.	
AV/RL		
Checked By	GO.1	
DG		
Sheet Title		
COVERSHEET		

Copyright © 2023 Oakley Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

2018 APPENDIX B BUILDING CODE SUMMARY

Name of Project: PROVALUS TENANT FIT-UP @ NEWS REPORTER BUILDING
 Address: 127 WEST COLUMBUS ST., WHITEVILLE, NORTH CAROLINA Zip Code: 28472
 Owner/Authorized Agent: ERIC DIETHORN (PROVALUS)
 Phone #: 404-496-0966 E-Mail: EricDiethorn@optomi.com
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City - WHITEVILLE County State

CONTACT: JASON GABLE, AIA | OAKLEY COLLIER ARCHITECTS
 DESIGNER FIRM NAME LICENSE TELEPHONE E-MAIL
 Architectural OAKLEY COLLIER ARCHITECTS TIM OAKLEY 5967 252-937-2500 TOAKLEY@OAKLEYCOLLIER.COM
 Civil NA
 Electrical ATLANTEC ENGINEERING MATTHEW BRILEY 919-571-1111 MATTHEW@ATLANTECEENGINEERS.COM
 Fire Alarm ATLANTEC ENGINEERING
 Plumbing ATLANTEC ENGINEERING BRADLEY FELTS 25036 919-571-1111 BRAD@ATLANTECEENGINEERS.COM
 Mechanical ATLANTEC ENGINEERING BRADLEY FELTS 25036 919-571-1111 BRAD@ATLANTECEENGINEERS.COM
 Sprinkler Standpipe NA
 Structural KAYDOS-DANIELS ENGINEERS ANDREW WARKNE 31467 919-928-4966 ANDREW@KAYDOS-DANIELS.COM
 Retaining Walls >5' High NA
 Other
 ("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: New Building Addition Renovation
 1st Time Interior Completion
 Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
 Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements

2018 NC EXISTING BUILDING CODE: Existing Prescriptive Repair Chapter 14
 Alteration Level I Level II Level III Change of Use
 Historical Property
 CONSTRUCTED: (date) N/A CURRENT OCCUPANCY(S) (Ch.3): B
 RENOVATED: (date) 2015 PROPOSED OCCUPANCY(S) (Ch.3): B
 Risk Category (Table 1604.5): Current: I II III IV
 Proposed: I II III IV

BASIC BUILDING DATA
 Construction Type: I-A I-B I-C I-D I-E I-F I-G I-H I-I I-J I-K I-L I-M I-N I-O I-P I-Q I-R I-S I-T I-U I-V I-W I-X I-Y I-Z
 Sprinklers: No Partial Yes Class I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII XVIII XIX XX XXI XXII XXIII XXIV XXV XXVI XXVII XXVIII XXIX XXX
 Standpipes: No Yes Class I II III IV V VI VII VIII IX X XI XII XIII XIV XV XVI XVII XVIII XIX XX XXI XXII XXIII XXIV XXV XXVI XXVII XXVIII XXIX XXX
 Fire District: No Yes
 Flood Hazard Area: No Yes
 Special Inspections Required: No Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

GROSS BUILDING AREA TABLE

FLOOR	EXISTING (SQ FT)	ADDITION (SQ FT)	SUB-TOTAL
6th Floor			
5th Floor			
4th Floor			
3rd Floor			
2nd Floor			
1st Floor	19,000 GSF	N/A	19,000
Basement	N/A	N/A	N/A
TOTAL	19,000	ZERO	19,000

ALLOWABLE AREA
 Primary Occupancy Classification(s):
 Assembly A-1 A-2 A-3 A-4 A-5
 Business
 Educational
 Factory F-1 Moderate F-2 Low
 Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM
 Institutional I-1 Condition I-2 I-3 Condition I-4
 Mercantile
 Residential R-1 R-2 R-3 R-4
 Storage S-1 Moderate S-2 Low High-piled
 Parking Garage Open Enclosed Repair Garage
 Utility and Miscellaneous
 Accessory Occupancy Classification(s): N/A - TABLE 1004.2.1, FOOTNOTE 'B' FOR CONFRMS ACCESSORY TO GROUP B
 Incidental Uses (Table 509): N/A
 Special Uses (Chapter 4 - List Code Sections): N/A
 Mixed Provisions (Chapter 5 - List Code Sections): N/A
 Mixed Occupancy: No Yes Separation: N/A Hr. Exception: N/A
 Non-Separated Use (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
 Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} + \dots \leq 1.00$$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR FRONTAGE INCREASE**	(D) ALLOWABLE AREA PER STORY OR UNLIMITED?
1	B	19,000	23,000	N/A	23,000

1. Frontage area increases from Section 506.3 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = N/A (F)
 b. Total Building Perimeter = N/A (P)
 c. Ratio (F/P) = N/A (F/P)
 d. W = Minimum width of public way = N/A (W)
 e. Percent of frontage increase $F = 100(F/P - 0.25) \times W/30 = N/A$ (%).
 2. Unlimited area applicable under conditions of Section 507.
 3. Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
 4. The maximum area of open parking garages must comply with Table 406.5.4.
 5. Frontage increase is based on the unpermitted area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE 1
Building Height in Feet (Table 504.3) 2	55	<20	N/A
Building Height in Stories (Table 504.4) 3		3	N/A

1. Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
 2. The maximum height of air traffic towers must comply with Table 412.1.1.
 3. The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING PROVIDED (OR REDUCTION)	DETAILS AND SHEETS	DESIGN FOR RATED ASSEMBLY	SHEETS FOR PENETRATION	SHEETS FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	N/A					
Bearing Walls						
Exterior	>30	0	0	N/A	N/A	N/A
North	>30	0	0	N/A	N/A	N/A
East	>30	0	0	N/A	N/A	N/A
West	>30	0	0	N/A	N/A	N/A
South	>30	0	0	N/A	N/A	N/A
Interior	N/A	0	0	N/A	N/A	N/A
Neighboring Walls and Partitions						
Exterior walls	N/A	0	0	N/A	N/A	N/A
North	N/A	0	0	N/A	N/A	N/A
East	N/A	0	0	N/A	N/A	N/A
West	N/A	0	0	N/A	N/A	N/A
South	N/A	0	0	N/A	N/A	N/A
Interior walls and partitions	N/A	0	0	N/A	N/A	N/A
Floor Construction including supporting beams and joists	0	0	0	N/A	N/A	N/A
Floor Ceiling Assembly	0	0	0	N/A	N/A	N/A
Columns Supporting Floors	N/A	N/A	N/A	N/A	N/A	N/A
Roof Construction, including supporting beams and joists	0	0	0	N/A	N/A	N/A
Roof Ceiling Assembly	0	0	0	N/A	N/A	N/A
Columns Supporting Roof	0	0	0	N/A	N/A	N/A
Shaft Enclosures - Exit	N/A	N/A	N/A	N/A	N/A	N/A
Shaft Enclosures - Other						
Corridor Separation	N/A	N/A	N/A	N/A	N/A	N/A
Occupancy Fire Barrier Separation	N/A	N/A	N/A	N/A	N/A	N/A
Party Fire Wall Separation	N/A	N/A	N/A	N/A	N/A	N/A
Smoke Barrier Separation	N/A	N/A	N/A	N/A	N/A	N/A
Smoke Partition	N/A	N/A	N/A	N/A	N/A	N/A
Tenant Dwelling Unit/Sleeping Unit Separation	N/A	N/A	N/A	N/A	N/A	N/A
Incidental Use Separation	N/A	N/A	N/A	N/A	N/A	N/A

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTIONS (TABLE 705.9)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
30 OR GREATER	UP, NS	NO LIMIT	N/A
-	-	-	-
-	-	-	-

LIFE SAFETY SYSTEM REQUIREMENTS
 Emergency Lighting: No Yes
 Exit Signs: No Yes
 Fire Alarm: No Yes
 Smoke Detection System: No Yes Partial
 Carbon Monoxide Detection: No Yes

LIFE SAFETY PLAN REQUIREMENTS
 Life Safety Plan Sheet #: G1.1
 Fire and/or smoke rated wall locations (Chapter 7)
 Assumed and real property line locations (if not on the site plan)
 Exterior wall opening area with respect to distance to assumed property lines (705.8)
 Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
 Occupant loads for each area
 Exit access travel distances (1017)
 Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
 Dead end lengths (1030.4)
 Clear exit widths for each exit door
 Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
 Actual occupant load for each exit door
 A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
 Location of doors with panic hardware (1010.1.10)
 Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
 Location of doors with electromagnetic egress locks (1010.1.9.9)
 Location of doors equipped with hold-open devices
 Location of emergency escape windows (1030)
 The square footage of each fire area (202)
 The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
 Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS (SECTION 1107)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ACCESSIBLE PARKING (SECTION 1109)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	# OF SPACES PROVIDED	VAN SPACES WITH 13' ACCESS AISLE		TOTAL # ACCESSIBLE PROVIDED
			REQUIRED	PROVIDED	
TOTAL					

PLUMBING FIXTURE REQUIREMENTS (TABLE 2903.1)

USE	SPACE	WATER CLOSETS			URINALS			LAVATORIES			SHOWERS		DRINKING FOUNTAINS	
		MALE	FEMALE	UNSEX	MALE	FEMALE	UNSEX	FIXED	REGULAR	ACCESSIBLE	FIXED	REGULAR	ACCESSIBLE	
EXISTING	3	5	N/A	1	3	5	N/A	N/A	1	1				
NEW	2	4	2	1	3	5	N/A	N/A	1	1				
REQ'D	3	3	N/A	N/A	3	3	N/A	N/A	0	0				

SPECIAL APPROVALS
 Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

ENERGY REQUIREMENTS:
 The following data shall be considered minimum and any special attributes required to meet the energy code shall also be provided. Each Designer shall furnish the required portion of the project information for the plan data sheet. If performance method, state the annual energy use for the standard reference design vs annual energy use for the proposed design.
 Existing building energy complies with code: No Yes (The remainder of this section is not applicable)
 Exempt Building: No Yes (Provide code or statutory reference)
 Climate Zone: 3A 4A 5A
 Method of Compliance: Energy Code Performance Prescriptive
 ASHRAE 90.1 Performance Prescriptive
 (If "Other" specify here)

ENERGY SUMMARY
 Thermal Envelope (Prescriptive method only)
 Roof/Ceiling Assembly (each assembly)
 Description of assembly: N/A
 U-Value of total assembly: N/A
 R-Value of total assembly: N/A
 Skylight (each skylight): N/A
 U-Value of total skylight: N/A
 Description of skylight: N/A
 U-Value of total skylight: N/A
 Description of skylight: N/A
 U-Value of total skylight: N/A
 Openings (windows or doors with glazing): N/A
 U-Value of assembly: N/A
 Solar heat gain coefficient: -
 Projection factor: N/A
 Door R-Values: N/A
 Walls below grade (each assembly)
 Description of assembly: N/A
 U-Value of total assembly: N/A
 R-Value of total assembly: N/A
 Floors over unconditioned space (each assembly)
 Description of assembly: N/A
 U-Value of total assembly: N/A
 R-Value of total assembly: N/A
 Floors slab on grade
 Description of assembly: N/A
 U-Value of total assembly: N/A
 R-Value of total assembly: N/A
 Horizontal/vertical requirement: N/A
 Slab heated: N/A

STRUCTURAL DESIGN
 DESIGN LOADS:
 Importance Factors: Snow (I_s) N/A
 Seismic (I_s) N/A
 Live Loads: Roof N/A psf
 Mezzanine N/A psf
 Floor N/A psf
 Ground Snow Load: N/A psf
 Wind Load: Ultimate Wind Speed N/A (psf) (ASCE 7)
 Exposure Category B C D
 SEISMIC DESIGN CATEGORY: I II III IV
 Risk Category (Table 608.5) I II III IV
 Site and Response Acceleration S_s N/A %g S₁ N/A %g
 Data Source: A B C D E F
 Data Source: Field Test Presumptive Historical Data
 Basic structural system Bearing Wall Dual w/Special Moment Frame
 Building Frame Dual w/Intermediate R/C or Special Steel
 Moment Frame Inverted Pendulum
 Simplified Equivalent Lateral Force Dynamic
 Analysis Procedure: Earthquake Wind
 LATERAL DESIGN CONTROL: Earthquake Wind
 SOIL BEARING CAPACITIES:
 Field Test (provide copy of test report) N/A psf
 Presumptive Bearing capacity N/A psf
 File size, type, and capacity N/A psf

MECHANICAL DESIGN (SEE SHEET M2.1)
 MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
 Thermal Zone
 winter dry bulb: -
 summer dry bulb: -
 Interior design conditions
 winter dry bulb: -
 summer dry bulb: -
 relative humidity: -
 Building heating load: -
 Building cooling load: -
 Mechanical System
 description of unit: -
 heating efficiency: -
 cooling efficiency: -
 size category of unit: -
 Boiler
 Size category, if oversized, state reason: -
 Chiller
 Size category, if oversized, state reason: -
 List special efficiencies: -

ELECTRICAL DESIGN (SEE SHEET E3.1)
 ELECTRICAL SYSTEM AND EQUIPMENT
 Method of Compliance: Energy Code Performance Prescriptive
 ASHRAE 90.1: Performance Prescriptive
 Lighting schedule (each fixture)
 lamp type required in fixture: -
 number of lamps in fixture: -
 ballast type: -
 total fixture wattage specified vs. allowed (whole building or space by space): -
 total exterior wattage specified vs. allowed:
 Additional Efficiency Package Options (When using the 2018 NEC Code, not required for ASHRAE 90.1)
 C406.2 More Efficient HVAC Equipment Performance
 C406.3 Reduced Lighting Power Density
 C406.4 Enhanced Digital Lighting Controls
 C406.5 On-Site Renewable Energy
 C406.6 Dedicated Outdoor Air System
 C406.7 Reduced Energy Use in Service Water Heating

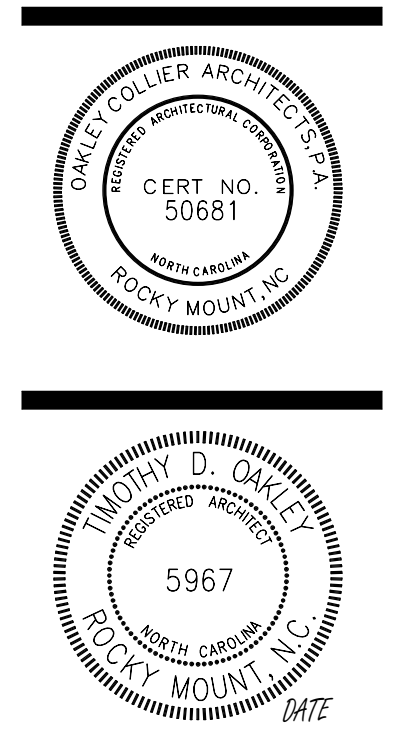
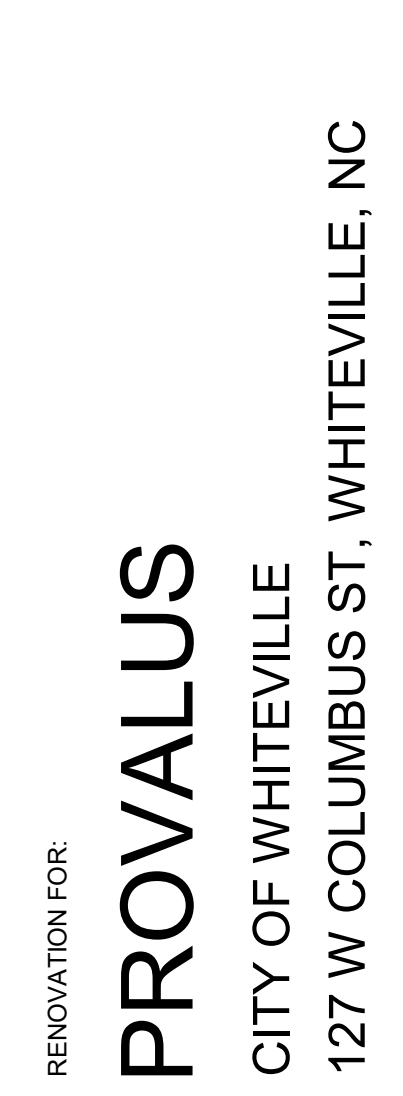
Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



107 Condoverwood Road, Bechtel, Missouri, U.S. 63084, (616) 252-9373, 2500
 305 W. Victorian Street, Raleigh, NC 27601



PROVALUS
 CITY OF WHITEVILLE
 127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	10/30/2024	Project No.	24002
Drawn By	RL	Sheet No.	GO.2
Checked By	DG		

Sheet Title
 BUILDING CODE SUMMARY

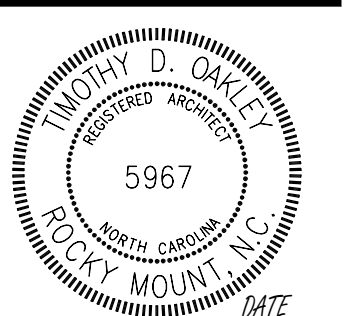
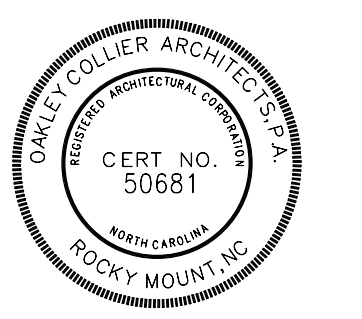
LIFE SAFETY LEGEND

	OCCUPANCY
	SQUARE FEET OF ROOM
	OCCUPANT LOAD
	OCCUPANT LOAD FACTOR
	EGRESS WIDTH
	EGRESS CAPACITY FACTOR
	EGRESS CAPACITY ALLOWED
	ANTICIPATED EGRESS LOAD
	EXIT SEPARATION DISTANCE - REQUIRED
	EXIT SEPARATION DISTANCE - PROVIDED
	MAXIMUM TRAVEL DISTANCE
	COMMON PATH OF TRAVEL
	FIRE EXTINGUISHER IN CABINET SEMI-RECESSED
	FIRE EXTINGUISHER - SURFACE MOUNTED
	HANDICAP DOOR OPERATOR WALL MOUNTED SWITCH
	PANIC HARDWARE
	DELAYED EGRESS PANIC HARDWARE NUMBER INDICATES LENGTH OF DELAY IN SECONDS
	EXIT SIGN (SEE NOTE 1)
	EXIT SIGN/EMERGENCY LIGHT (SEE NOTE 1)
	EMERGENCY LIGHT (SEE NOTE 1)
	HORN TYPE AUDIO/VISUAL APPLIANCE (SEE NOTE 1)
	FIRE ALARM PULL STATION (SEE NOTE 1)

NOTES:
1. SEE ELECTRICAL PLANS FOR COMPLETE DESCRIPTION OF DEVICES AND ADDITIONAL DETAILS INCLUDING MOUNTING AND PLACEMENT.

DOOR CLEARANCE LEGEND

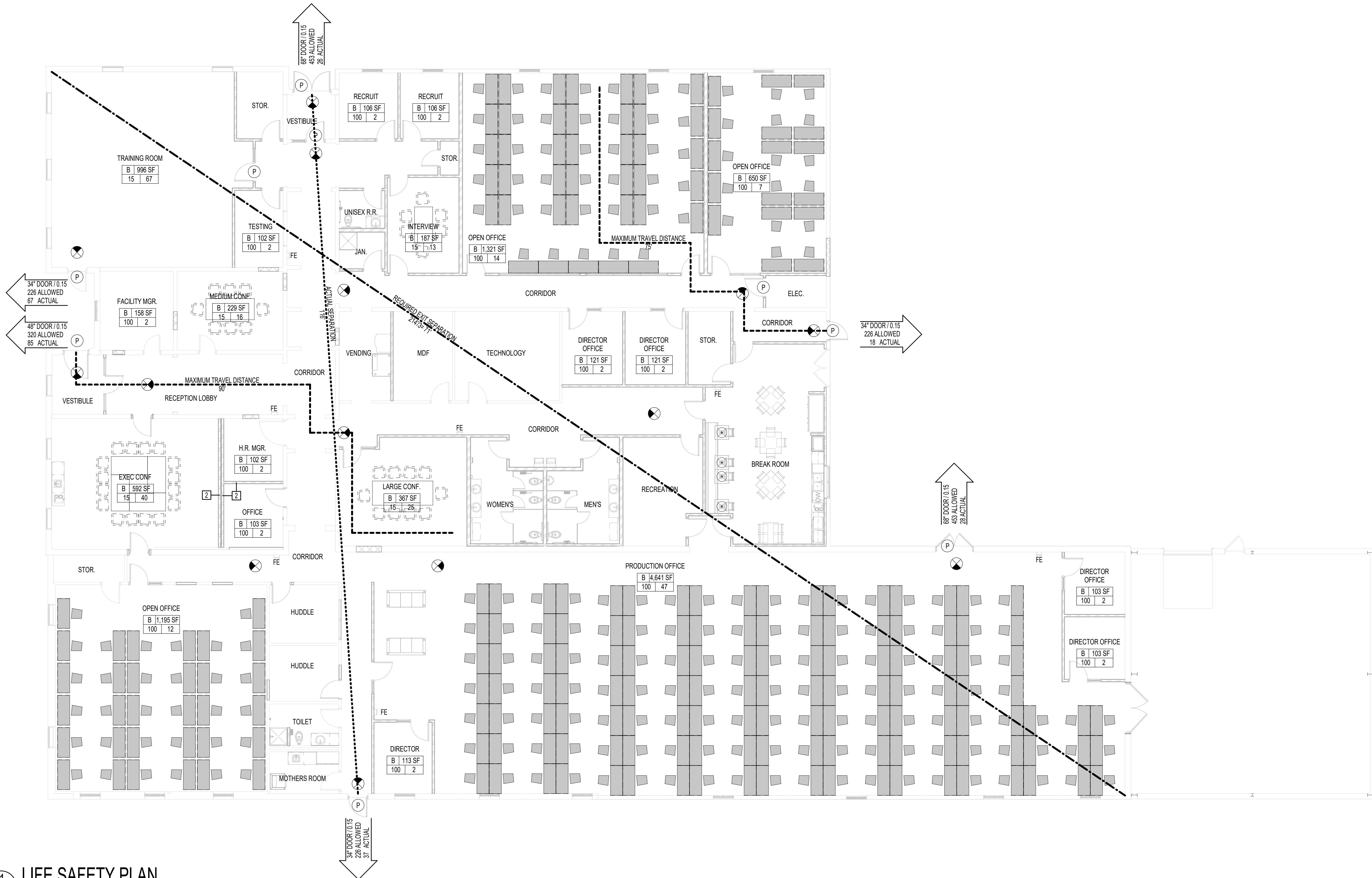
RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
RL	G1.0
Checked By	Sheet Title
DG	LIFE SAFETY



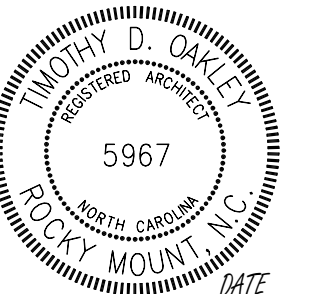
1
G1.0 LIFE SAFETY PLAN
1/8" = 1'-0"

Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



FLOOR PLAN - EXISTING

1/8" = 1'-0"



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions
Description Date

Date 10/30/2024 Project No. 24002

Drawn By AV Sheet No.

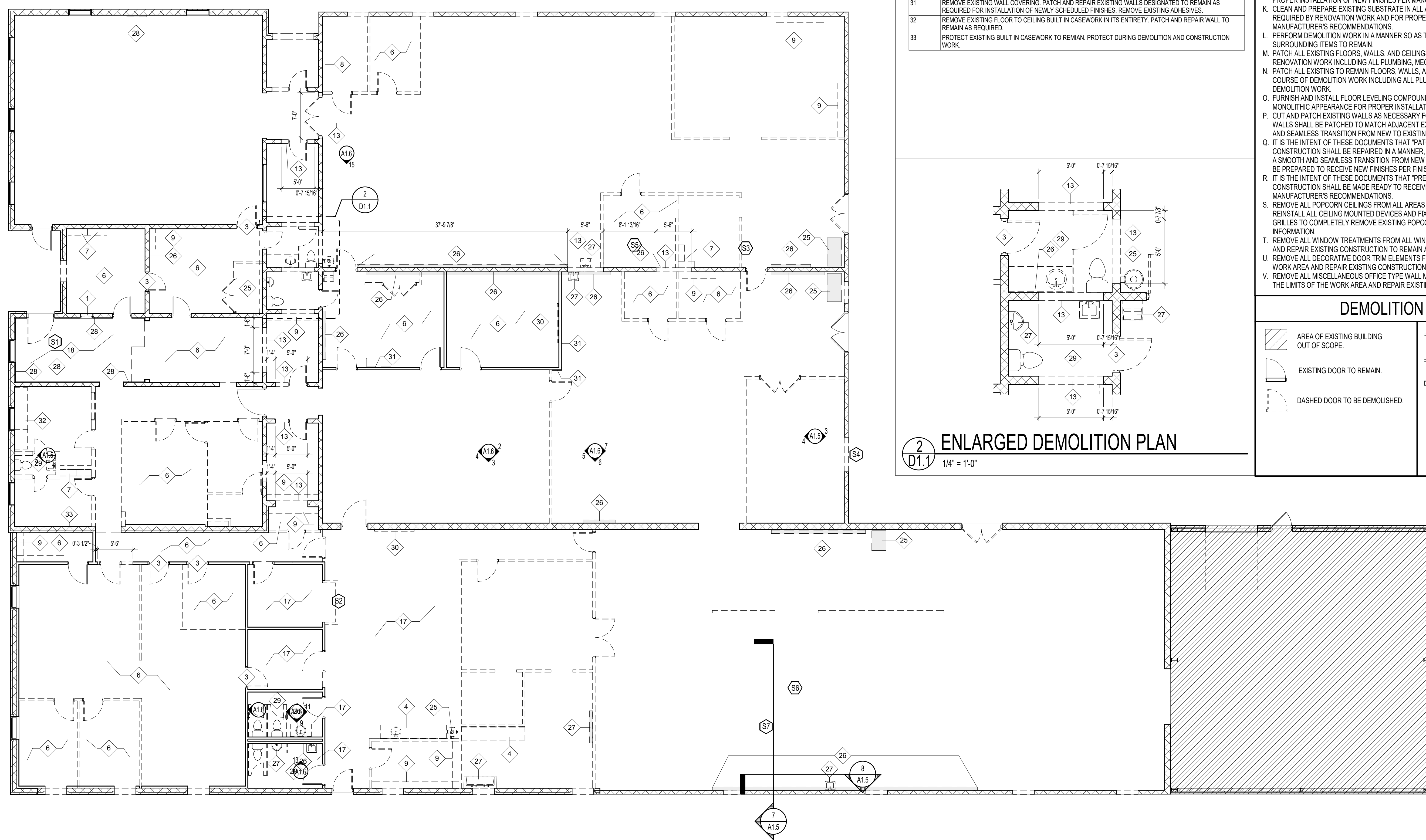
Checked By DG D1.0

Sheet Title

OVERALL EXISTING PLAN

Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

1
D1.1
FLOOR PLAN - DEMOLITION
1/8" = 1'-0"



SHEET KEYNOTES

- REMOVE EXISTING WINDOW AND FRAME IN ITS ENTIRETY.
- REMOVE EXISTING DOOR, FRAME, AND HARDWARE IN ITS ENTIRETY.
- REMOVE EXISTING MILLWORK AND COUNTERTOP AND ALL ASSOCIATED COMPONENTS IN ENTIRETY.
- REMOVE EXISTING CARPET AND WALL BASE. PATCH AND REPAIR EXISTING WALLS DESIGNATED TO REMAIN AS REQUIRED FOR INSTALLATION OF NEWLY SCHEDULED FINISHES. REMOVE EXISTING ADHESIVES. SCRAPE TO BARE CONCRETE AND PATCH AS REQUIRED. REFER TO ADDITIONAL NOTES FOR OTHER FLOOR FINISHES.
- REMOVE EXISTING WALL CABINETS IN THEIR ENTIRETY.
- REMOVE EXISTING WALL MOUNTED SHELF. PATCH AND REPAIR EXISTING WALLS DESIGNATED TO REMAIN AS REQUIRED FOR INSTALLATION OF NEWLY SCHEDULED FINISHES.
- FUTURE OPENING
- REMOVE EXISTING VCT AND WALL BASE. PATCH AND REPAIR EXISTING WALLS DESIGNATED TO REMAIN AS REQUIRED FOR INSTALLATION OF NEWLY SCHEDULED FINISHES. REMOVE EXISTING ADHESIVES. SCRAPE TO BARE CONCRETE AND PATCH AS REQUIRED. REFER TO ADDITIONAL NOTES FOR OTHER FLOOR FINISHES.
- PROTECT EXISTING BRICK FLOORING DURING DEMOLITION AND CONSTRUCTION.
- REMOVE EXISTING MECHANICAL EQUIPMENT / DUCTS / PIPING. REFER TO HVAC DRAWINGS.
- REMOVE EXISTING ELECTRICAL EQUIPMENT / FIXTURES / CONDUIT / PANELS. REFER TO ELECTRICAL DRAWINGS.
- REMOVE EXISTING PLUMBING FIXTURE(S) / EQUIPMENT / PIPING. REFER TO PLUMBING DRAWINGS.
- REMOVE EXISTING WAYNES COATING. PATCH AND REPAIR EXISTING WALLS DESIGNATED TO REMAIN AS REQUIRED FOR INSTALLATION OF NEWLY SCHEDULED FINISHES. REMOVE EXISTING ADHESIVES.
- REMOVE EXISTING MILLWORK BASE CABINET, COUNTERTOP, SINK, WALL MOUNTED TOILET ACCESSORIES, TOILET PARTITION, MIRROR, AND TOILET. REFER TO PLUMBING DRAWINGS.
- REMOVE EXISTING WALL MOUNTED WHITE BOARD. PATCH AND REPAIR EXISTING WALLS DESIGNATED TO REMAIN AS REQUIRED FOR INSTALLATION OF NEWLY SCHEDULED FINISHES.
- REMOVE EXISTING WALL COVERING. PATCH AND REPAIR EXISTING WALLS DESIGNATED TO REMAIN AS REQUIRED FOR INSTALLATION OF NEWLY SCHEDULED FINISHES. REMOVE EXISTING ADHESIVES.
- REMOVE EXISTING FLOOR TO CEILING BUILT IN CASEWORK IN ITS ENTIRETY. PATCH AND REPAIR WALL TO REMAIN AS REQUIRED.
- PROTECT EXISTING BUILT IN CASEWORK TO REMAIN. PROTECT DURING DEMOLITION AND CONSTRUCTION WORK.

DEMOLITION NOTES

A. FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS AND FINISHES PRIOR TO SUBMITTING A BID AND START OF ANY WORK. DISCREPANCIES IN ACTUAL CONDITIONS AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE SUBMITTING BID AND/OR CONTINUING WITH WORK.

B. FIELD VERIFY THE LOCATION OF ALL UTILITIES, INCLUDING BURIAL DEPTH, PRIOR TO START OF ANY WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE CONTINUING WITH WORK.

C. VERIFY WITH THE OWNER PRIOR TO THE START OF WORK THE EXTENT OF DEMOLITION ITEMS TO BE SALVAGED.

D. ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES.

E. ADDITIONAL DEMOLITION WORK ASSOCIATED WITH PLUMBING, MECHANICAL, AND ELECTRICAL WORK IS REQUIRED. COORDINATE WORK REQUIRED WITH ALL TRADES.

F. ALL DEMOLITION PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES.

G. ALL DEMOLITION WORK SHALL BE COORDINATED AND BE PERFORMED IN ACCORDANCE WITH OWNER.

H. REMOVE, REPLACE AND/OR REINSTALL ALL EXISTING WALL MOUNTED DEVICE COVER PLATES INCLUDING SWITCHES, RECEPTACLES, OUTLETS, PANEL FACES, RECESSED CABINET FACES, ETC., AS REQUIRED FOR RENOVATION WORK AND PROPER INSTALLATION OF NEW FINISHES. FINISHING/PAINTING AROUND EXISTING NOTED ITEMS WILL NOT BE ACCEPTED.

I. SEE SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.

J. CLEAN AND PREPARE ALL EXISTING SURFACES/SUBSTRATES TO REMAIN AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.

K. CLEAN AND PREPARE EXISTING SUBSTRATE IN ALL AREAS RECEIVING NEW FLOOR FINISHES AS REQUIRED BY RENOVATION WORK AND FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.

L. PERFORM DEMOLITION WORK IN A MANNER SO AS TO MINIMIZE DAMAGE TO EXISTING SURROUNDING ITEMS TO REMAIN.

M. PATCH ALL EXISTING FLOORS, WALLS, AND CEILINGS AS REQUIRED FOR DEMOLITION AND RENOVATION WORK INCLUDING ALL PLUMBING, MECHANICAL, AND ELECTRICAL WORK.

N. PATCH ALL EXISTING TO REMAIN FLOORS, WALLS, AND CEILINGS THAT ARE DAMAGED DURING THE COURSE OF DEMOLITION WORK INCLUDING ALL PLUMBING, MECHANICAL, AND ELECTRICAL DEMOLITION WORK.

O. FURNISH AND INSTALL FLOOR LEVELING COMPOUND AS NECESSARY TO ACHIEVE A SMOOTH AND MONOLITHIC APPEARANCE FOR PROPER INSTALLATION OF NEW FINISHES.

P. CUT AND PATCH EXISTING WALLS AS NECESSARY FOR RENOVATION AND DEMOLITION WORK. WALLS SHALL BE PATCHED TO MATCH ADJACENT EXISTING SURFACES AND PROVIDE A SMOOTH AND SEAMLESS TRANSITION FROM NEW TO EXISTING.

Q. IT IS THE INTENT OF THESE DOCUMENTS THAT "PATCH" IMPLIES THAT THE EXISTING CONSTRUCTION SHALL BE REPAIRED IN A MANNER, WITH SAME OR SIMILAR MATERIALS, PROVIDING A SMOOTH AND SEAMLESS TRANSITION FROM NEW TO EXISTING MATERIALS AND THE PATCH SHALL BE PREPARED TO RECEIVE NEW FINISHES PER FINISH MANUFACTURER'S RECOMMENDATIONS.

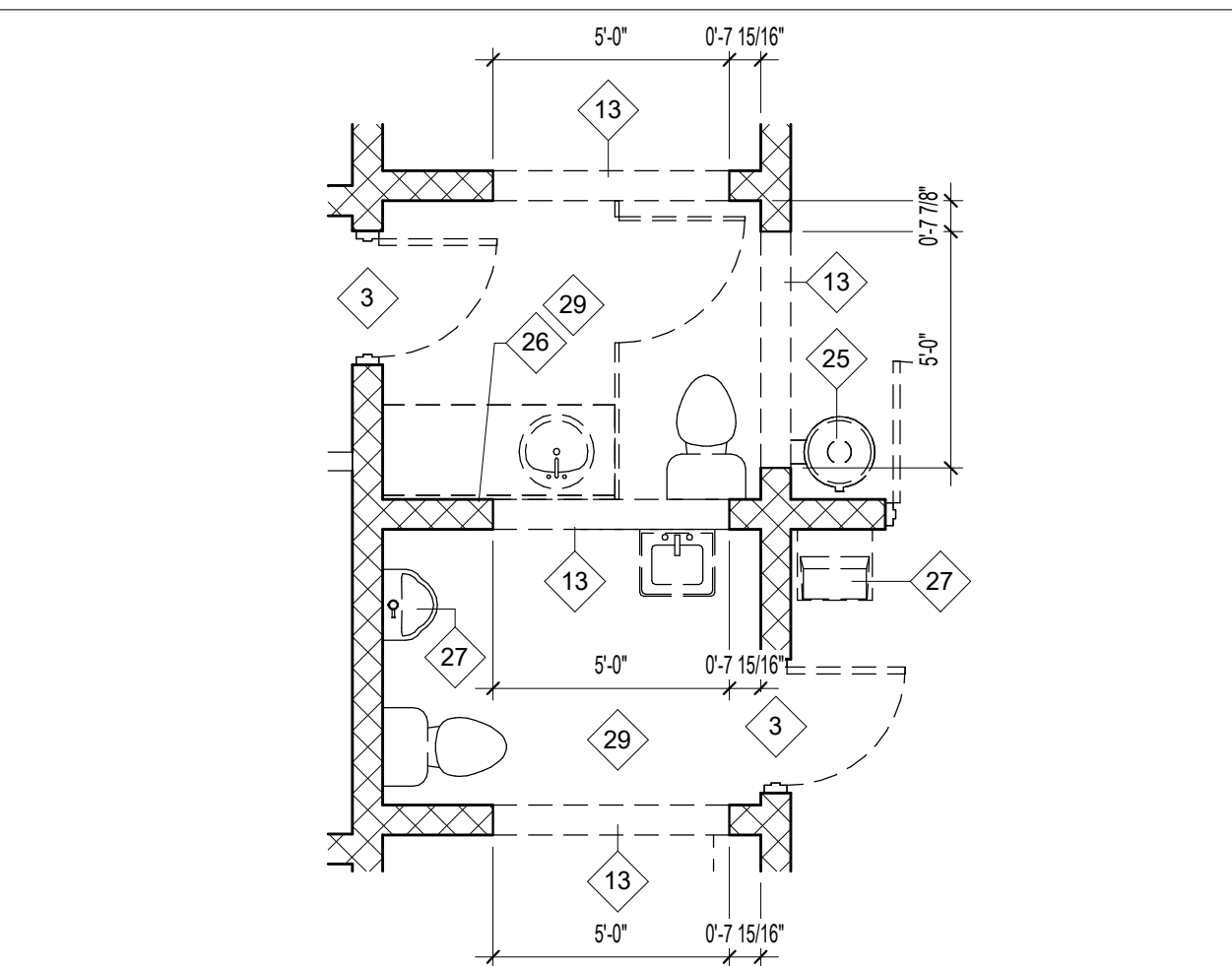
R. IT IS THE INTENT OF THESE DOCUMENTS THAT "PREPARED" IMPLIES THAT THE EXISTING CONSTRUCTION SHALL BE MADE READY TO RECEIVE NEW FINISHES IN ACCORDANCE WITH FINISH MANUFACTURER'S RECOMMENDATIONS.

S. REMOVE ALL POPCORN CEILINGS FROM ALL AREAS WITHIN LIMITS OF WORK. REMOVE AND REINSTALL ALL CEILING MOUNTED DEVICES AND FIXTURES INCLUDING LIGHTS, DIFFUSERS AND GRILLES TO COMPLETELY REMOVE EXISTING POPCORN FINISH. SEE PME FOR ADDITIONAL INFORMATION.

T. REMOVE ALL WINDOW TREATMENTS FROM ALL WINDOWS WITHIN LIMITS OF WORK AREA. PATCH AND REPAIR EXISTING CONSTRUCTION TO REMAIN AS NECESSARY.

U. REMOVE ALL DECORATIVE DOOR TRIM ELEMENTS FROM ALL DOORS WITHIN THE LIMITS OF THE WORK AREA AND REPAIR EXISTING CONSTRUCTION TO REMAIN AS NECESSARY.

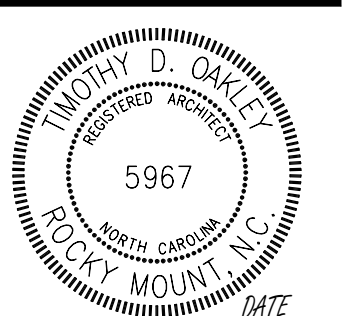
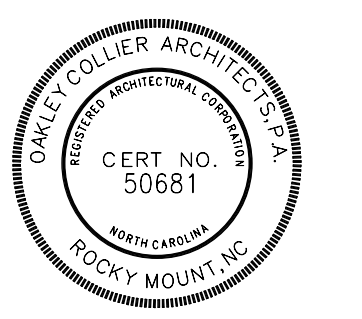
V. REMOVE ALL MISCELLANEOUS OFFICE TYPE WALL MOUNTED ITEMS FROM THE REHAB SIDE WITHIN THE LIMITS OF THE WORK AREA AND REPAIR EXISTING CONSTRUCTION TO REMAIN AS NECESSARY.



DEMOLITION LEGEND

	AREA OF EXISTING BUILDING OUT OF SCOPE.		DASHED LINE INDICATES WALLS TO BE DEMOLISHED.
	EXISTING DOOR TO REMAIN.		SOLID LINE INDICATES WALL TO REMAIN.
	DASHED DOOR TO BE DEMOLISHED.		HATCH INDICATES EXISTING MASONRY WALL TO REMAIN.
			DEMOLITION KEYNOTE TAG

RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
AV	D1.1
Checked By	Sheet Title
DG	DEMOLITION - FIRST FLOOR PLAN

Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

SHEET KEYNOTES	
14	REMOVE EXISTING CEILING IN ITS ENTIRETY BACK TO STRUCTURAL DECK ABOVE, INCLUDING BUT NOT LIMITED TO CEILING SYSTEM LIGHTS AND ALL MEP ITEMS. REFER TO MEP DRAWINGS.
23	EXISTING GYPSUM BOARD CEILING/SOFFIT TO REMAIN. PATCH AND REPAIR CEILING AND OVERHEAD WALLS AS REQUIRED FOR NEW FINISHES.

DEMOLITION NOTES

A. FIELD VERIFY ALL EXISTING CONSTRUCTION CONDITIONS AND FINISHES PRIOR TO SUBMITTING A BID AND START OF ANY WORK. DISCREPANCIES IN ACTUAL CONDITIONS AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE SUBMITTING BID AND/OR CONTINUING WITH WORK.

B. FIELD VERIFY THE LOCATION OF ALL UTILITIES, INCLUDING BURIAL DEPTH, PRIOR TO START OF ANY WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE CONTINUING WITH WORK.

C. VERIFY WITH THE OWNER PRIOR TO THE START OF WORK THE EXTENT OF DEMOLITION ITEMS TO BE SALVAGED.

D. ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES.

E. ADDITIONAL DEMOLITION WORK ASSOCIATED WITH PLUMBING, MECHANICAL, AND ELECTRICAL WORK IS REQUIRED. COORDINATE WORK REQUIRED WITH ALL TRADES.

F. ALL DEMOLITION PLUMBING, MECHANICAL, AND ELECTRICAL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES.

G. ALL DEMOLITION WORK SHALL BE COORDINATED AND BE PERFORMED IN ACCORDANCE WITH OWNER.

H. REMOVE, REPLACE AND/OR REINSTALL ALL EXISTING WALL MOUNTED DEVICE COVER PLATES INCLUDING SWITCHES, RECEPTACLES, OUTLETS, PANEL FACES, RECESSED CABINET FACES, ETC., AS REQUIRED FOR RENOVATION WORK AND PROPER INSTALLATION OF NEW FINISHES. FINISHING/PAINTING AROUND EXISTING NOTED ITEMS WILL NOT BE ACCEPTED.

I. SEE SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.

J. CLEAN AND PREPARE ALL EXISTING SURFACES/SUBSTRATES TO REMAIN AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.

K. CLEAN AND PREPARE EXISTING SUBSTRATE IN ALL AREAS RECEIVING NEW FLOOR FINISHES AS REQUIRED BY RENOVATION WORK AND FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS.

L. PERFORM DEMOLITION WORK IN A MANNER SO AS TO MINIMIZE DAMAGE TO EXISTING SURROUNDING ITEMS TO REMAIN.

M. PATCH ALL EXISTING FLOORS, WALLS, AND CEILINGS AS REQUIRED FOR DEMOLITION AND RENOVATION WORK INCLUDING ALL PLUMBING, MECHANICAL, AND ELECTRICAL WORK.

N. PATCH ALL EXISTING TO REMAIN FLOORS, WALLS, AND CEILINGS THAT ARE DAMAGED DURING THE COURSE OF DEMOLITION WORK INCLUDING ALL PLUMBING, MECHANICAL, AND ELECTRICAL DEMOLITION WORK.

O. FURNISH AND INSTALL FLOOR LEVELING COMPOUND AS NECESSARY TO ACHIEVE A SMOOTH AND MONOLITHIC APPEARANCE FOR PROPER INSTALLATION OF NEW FINISHES.

P. CUT AND PATCH EXISTING WALLS AS NECESSARY FOR RENOVATION AND DEMOLITION WORK. WALLS SHALL BE PATCHED TO MATCH ADJACENT EXISTING SURFACES AND PROVIDE A SMOOTH AND SEAMLESS TRANSITION FROM NEW TO EXISTING.

Q. IT IS THE INTENT OF THESE DOCUMENTS THAT "PATCH" IMPLIES THAT THE EXISTING CONSTRUCTION SHALL BE REPAIRED IN A MANNER, WITH SAME OR SIMILAR MATERIALS, PROVIDING A SMOOTH AND SEAMLESS TRANSITION FROM NEW TO EXISTING MATERIALS AND THE PATCH SHALL BE PREPARED TO RECEIVE NEW FINISHES PER FINISH MANUFACTURER'S RECOMMENDATIONS.

R. IT IS THE INTENT OF THESE DOCUMENTS THAT "PREPARED" IMPLIES THAT THE EXISTING CONSTRUCTION SHALL BE MADE READY TO RECEIVE NEW FINISHES IN ACCORDANCE WITH FINISH MANUFACTURER'S RECOMMENDATIONS.

S. REMOVE ALL POPCORN CEILINGS FROM ALL AREAS WITHIN LIMITS OF WORK. REMOVE AND REINSTALL ALL CEILING MOUNTED DEVICES AND FIXTURES INCLUDING LIGHTS, DIFFUSERS AND GRILLES TO COMPLETELY REMOVE EXISTING POPCORN FINISH. SEE PME FOR ADDITIONAL INFORMATION.

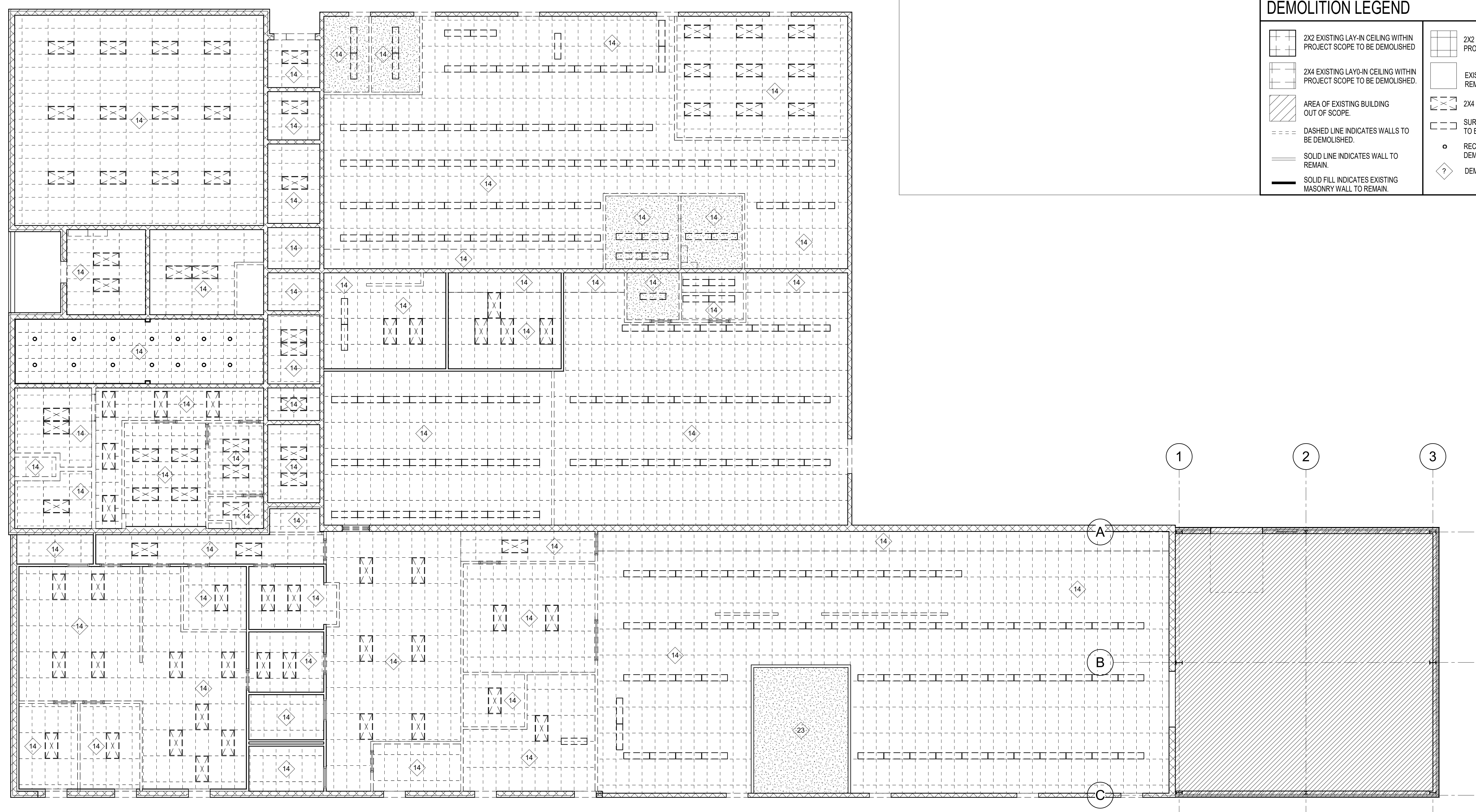
T. REMOVE ALL WINDOW TREATMENTS FROM ALL WINDOWS WITHIN LIMITS OF WORK AREA. PATCH AND REPAIR EXISTING CONSTRUCTION TO REMAIN AS NECESSARY.

U. REMOVE ALL DECORATIVE DOOR TRIM ELEMENTS FROM ALL DOORS WITHIN THE LIMITS OF THE WORK AREA AND REPAIR EXISTING CONSTRUCTION TO REMAIN AS NECESSARY.

V. REMOVE ALL MISCELLANEOUS OFFICE TYPE WALL MOUNTED ITEMS FROM THE REHAB SIDE WITHIN THE LIMITS OF THE WORK AREA AND REPAIR EXISTING CONSTRUCTION TO REMAIN AS NECESSARY.

DEMOLITION LEGEND

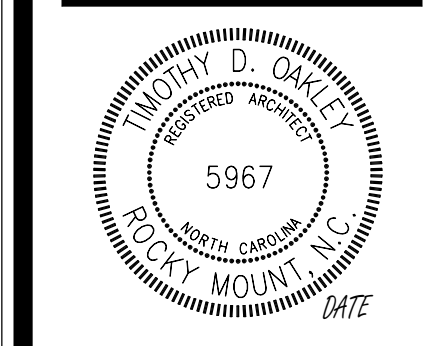
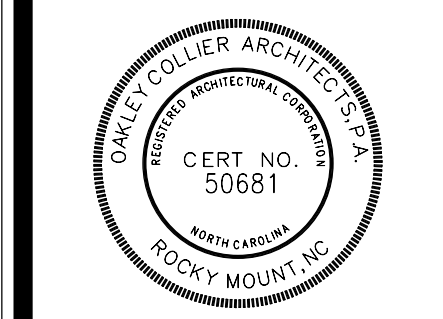
	2X2 EXISTING LAY-IN CEILING WITHIN PROJECT SCOPE TO BE DEMOLISHED		2X2 EXISTING LAY IN CEILING WITHIN PROJECT SCOPE TO REMAIN
	2X4 EXISTING LAY-IN CEILING WITHIN PROJECT SCOPE TO BE DEMOLISHED		EXISTING GYPSUM BULKHEAD TO REMAIN
	AREA OF EXISTING BUILDING OUT OF SCOPE		2X4 LIGHT FIXTURE TO BE DEMOLISHED
	DASHED LINE INDICATES WALLS TO BE DEMOLISHED.		SURFACE MOUNTED LIGHT FIXTURE TO BE DEMOLISHED
	SOLID LINE INDICATES WALL TO REMAIN.		RECESSED CAN LIGHT TO BE DEMOLISHED
	SOLID FILL INDICATES EXISTING MASONRY WALL TO REMAIN.		DEMOLITION KEYNOTE TAG



1/8" = 1'-0" **DEMOLITION REFLECTED CEILING PLANS**

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS
107 Condoverwood Road, Rocky Mount, NC 27854, (919) 322-9373, 2500
305 N. Jordan Street, Raleigh, NC 27601

RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

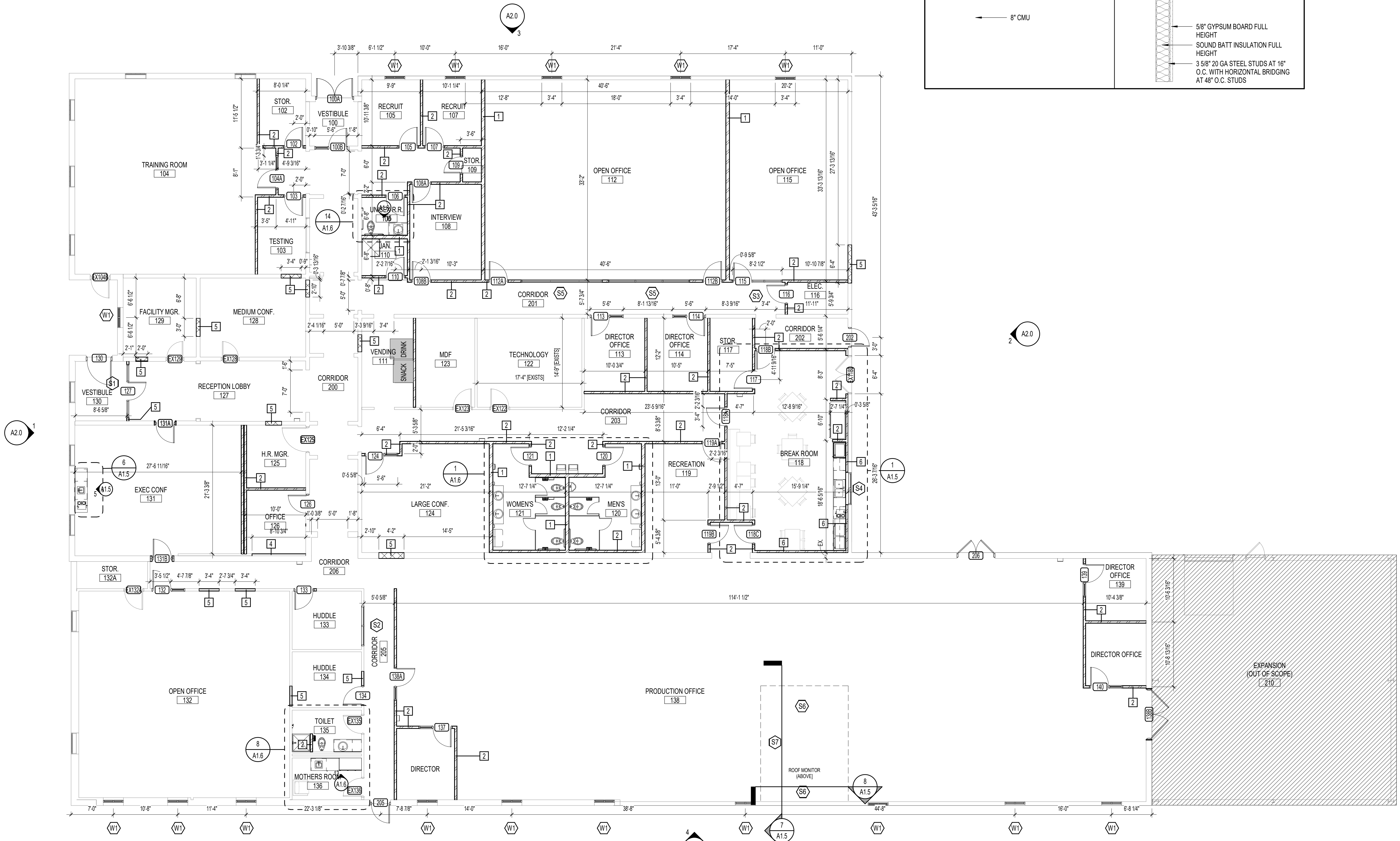
Date	10/30/2024	Project No.	24002
Drawn By	AV	Sheet No.	D1.2
Checked By	DG	Sheet Title	DEMOLITION - REFLECTED CEILING PLAN

Copyright © 2023 Oakley/Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

WALL LEGEND			GENERAL FLOOR PLAN NOTES		
INTERIOR STUD WALL - 6" MARK: 1 PLAN VIEW: [Symbol] REMARKS: TOP OF WALL = TIGHT TO DECK 5/8" GYPSUM BOARD FULL HEIGHT EACH SIDE SOUND BATT INSULATION FULL HEIGHT 6" 20 GA STEEL STUDS AT 16" O.C. WITH HORIZONTAL BRIDGING AT 48" O.C.			INTERIOR STUD WALL - 3 5/8" MARK: 2 PLAN VIEW: [Symbol] REMARKS: TOP OF WALL = TIGHT TO DECK 5/8" GYPSUM BOARD FULL HEIGHT EACH SIDE SOUND BATT INSULATION FULL HEIGHT 3 5/8" 20 GA STEEL STUDS AT 16" O.C. WITH HORIZONTAL BRIDGING AT 48" O.C.		
INTERIOR CHASE STUD WALL - 3 5/8" MARK: 3 PLAN VIEW: [Symbol] REMARKS: TOP OF WALL = TIGHT TO DECK 5/8" GYPSUM BOARD FULL HEIGHT NO GYPSUM BOARD ON CHASE SIDE OF WALL SOUND BATT INSULATION FULL HEIGHT 3 5/8" 20 GA STEEL STUDS AT 16" O.C. WITH HORIZONTAL BRIDGING AT 48" O.C.			INTERIOR STUD WALL - TYPICAL U.N.O. MARK: 4 PLAN VIEW: [Symbol] REMARKS: TOP OF WALL = 11'-4" 2"x4" #2 SYP STUDS AT 16" O.C. WITH BLOCKING AT MID POINT AND CEILING 5/8" GYPSUM BOARD EACH SIDE - EXTEND 4" MIN. ABOVE LAY-IN CEILING OR UP TO GYPSUM BOARD CEILING 3 1/2" SOUND BATT INSULATION FULL HEIGHT TO CEILING - EXTEND TO HIGHEST CEILING LINE AT UNLEVEL LOCATIONS		
INTERIOR MASONRY WALL MARK: 5 PLAN VIEW: [Symbol] REMARKS: TOP OF WALL = TIGHT TO DECK 8" CMU			EXTERIOR - CMU W/ 3 5/8" CHASE MARK: 6 PLAN VIEW: [Symbol] REMARKS: TOP OF WALL = SEE WALL SECTIONS 8" CMU 5/8" GYPSUM BOARD FULL HEIGHT SOUND BATT INSULATION FULL HEIGHT 3 5/8" 20 GA STEEL STUDS AT 16" O.C. WITH HORIZONTAL BRIDGING AT 48" O.C. STUDS		

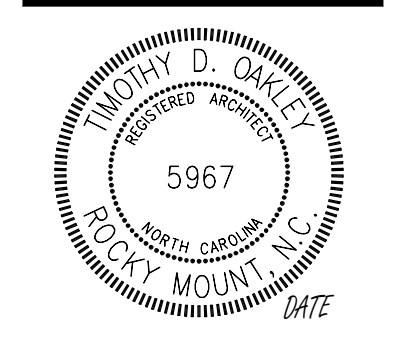
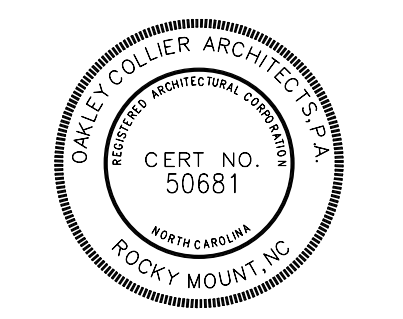
- DIMENSIONS ON THIS PLAN ARE FROM FACE OF BRICK TO INTERIOR FACE OF EXTERIOR WALL, CENTERLINE TO CENTERLINE OF INTERIOR WALLS.
- PROVIDE BRACING BACK TO STRUCTURE FOR INTERIOR WALLS, TYPICAL.
- ALL DRYWALL SHALL BE 5/8" AND SHALL EXTEND 4" MINIMUM ABOVE FINISH CEILING (U.N.O.)
- INSTALL SOUND ATTENUATION BATT INSULATION FULL HEIGHT IN ALL INTERIOR STUD FRAMED WALLS.
- INSTALL SOUND ATTENUATION BATT INSULATION 4" WIDE AROUND CEILING PERIMETER OF ALL ROOMS WITH SOUND BATT IN WALLS.
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.
- OBTAIN ALL PERMITS REQUIRED.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- REFER TO STRUCTURAL PLANS FOR ALL STRUCTURAL HEADERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.

- ### RENOVATION KEYNOTES
- CLEAN/REFINISH EXISTING DOORS AND REPAINT THE EXISTING HOLLOW METAL DOOR FRAME. COLOR TO BE SELECTED BY ARCHITECT.
 - CLEAN ALL EXISTING WALL SURFACES ADJACENT TO NEW CONSTRUCTION. CLOSE ALL VERTICAL AND HORIZONTAL WALL JOINTS WITH FLEXIBLE EXPANSION JOINT MATERIAL, TYPICAL AT ALL.
 - REPLACE DOOR HARDWARE. NEW HARDWARE TO BE ADA COMPLIANT.
 - LEVEL RAISED FLOOR COMPLETELY. PROVIDE LEVELING COMPOUND AND FEATHER FOR SMOOTH TRANSITION. CLEAN AND PREP FOR NEW FINISHES. SEE FINISH PLAN.
 - PATCH AND REPAIR WALL, PAINT. SEE FLOOR PLAN FOR LOCATIONS.
 -



1 FLOOR PLAN - NEW CONSTRUCTION
A1.0 1/8" = 1'-0"

RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Date	10/30/2024	Project No.	24002
Drawn By	AV / RL	Sheet No.	A1.0
Checked by	DG	Sheet Title	FIRST FLOOR PLAN

Copyright © 2023 Oakley Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

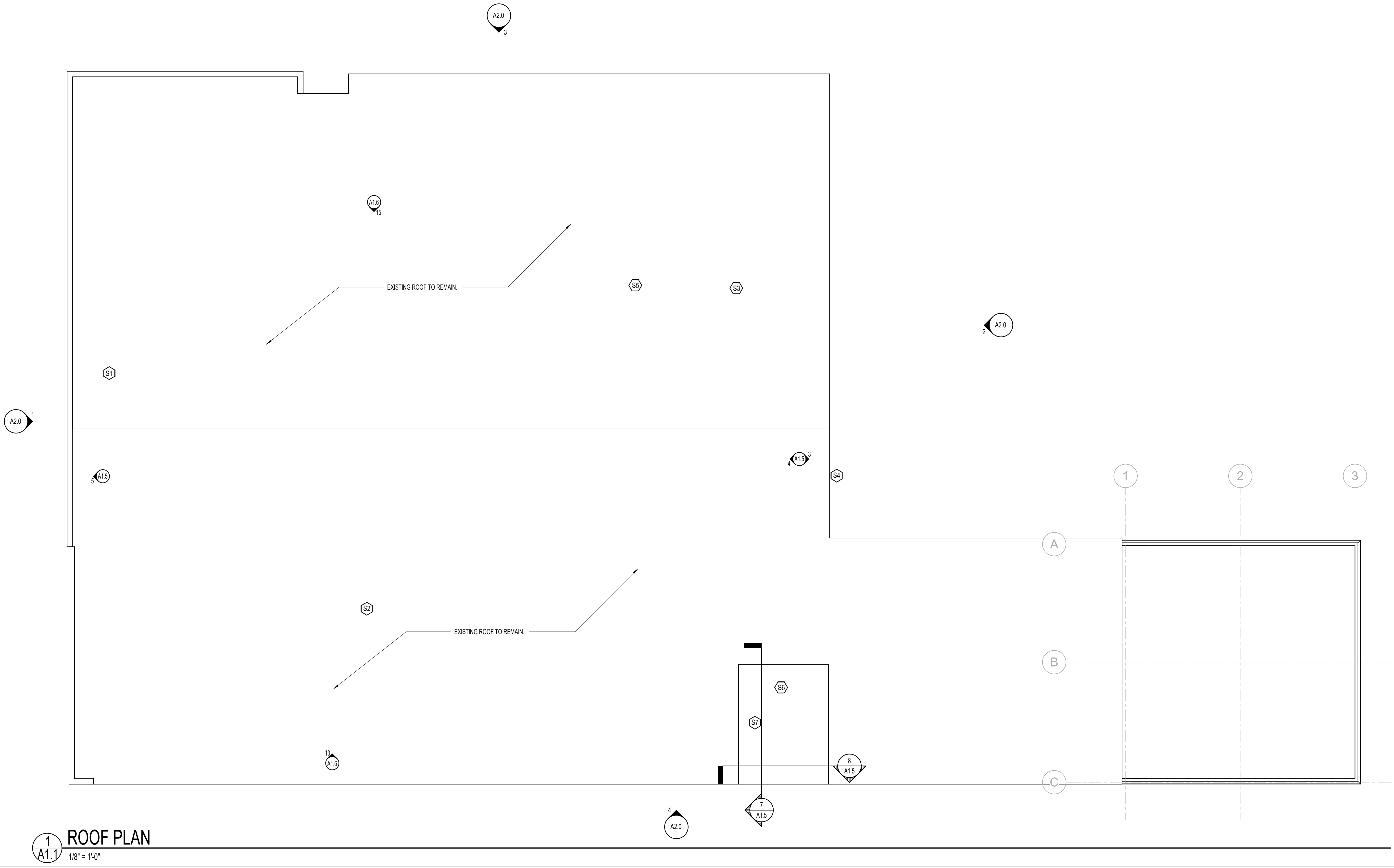
GENERAL ROOF NOTES

- GUTTER AND DOWNSPOUTS SHALL BE FURNISHED AND INSTALLED BY ROOFING CONTRACTOR.
- CONTRACTOR SHALL COORDINATE ALL ROOF MOUNTED EQUIPMENT AND PENETRATIONS REQUIRED AND MAKE ALL NECESSARY PROVISIONS FOR SAME.
- GUTTERS, DOWNSPOUTS AND COMPONENTS SHALL BE PREFINISHED ALUMINUM COLOR - PER ARCHITECT.
- ALL DOWNSPOUTS SHALL TURN INTO STORM DRAIN. REFER TO FLOOR PLAN FOR MORE INFORMATION.
- ALL ROOF MOUNTED ITEMS SHALL BE PAINTED, CLEAN PREPARE AND PRIME SURFACES AS REQUIRED - COLOR PER ARCHITECT.
- FURNISH AND INSTALL 36" WIDE X LENGTH REQUIRED SELF ADHERED ICE AND WATER SHIELD ROOFING UNDERLAYMENT AT ALL EDGES, RIDGES, HIPS, AND VALLEYS.

ROOF LEGEND

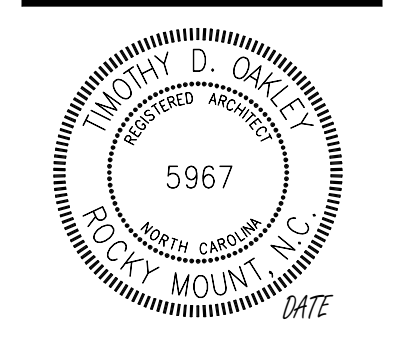
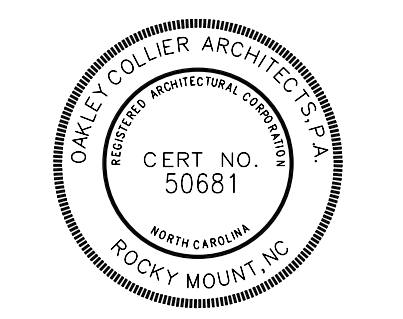
- INDICATES DIRECTION OF ROOF SLOPE ACHIEVED THRU STRUCTURE AND TAPERED INSULATION
- INDICATES THICKNESS OF TAPERED INSULATION ABOVE PRIMARY ROOF INSULATION AND UNDERLAYMENT BOARD IF REQUIRED - REFER TO WALL SECTIONS AND STRUCTURAL FOR ACTUAL ELEVATIONS
- RD PRIMARY ROOF DRAIN, REFER TO PLUMBING PLANS FOR DESCRIPTION, TYPICAL
- OD SECONDARY (EMERGENCY) ROOF DRAIN, REFER TO PLUMBING PLANS FOR DESCRIPTION, TYPICAL
- SC THROUGH WALL SCUPPER SECONDARY (EMERGENCY) ROOF DRAIN, TYPICAL

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS
 157 Condrews Road, Rocky Mount, NC 27854, (919) 352-9372/2500
 305 N. Vance Street, Raleigh, NC 27601



1 ROOF PLAN
 A1.1 1/8" = 1'-0"

RENOVATION FOR:
PROVALUS
 CITY OF WHITEVILLE
 127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions		
#	Description	Date

Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
AV	A1.1
Checked By	Sheet Title
DG	ROOF PLAN

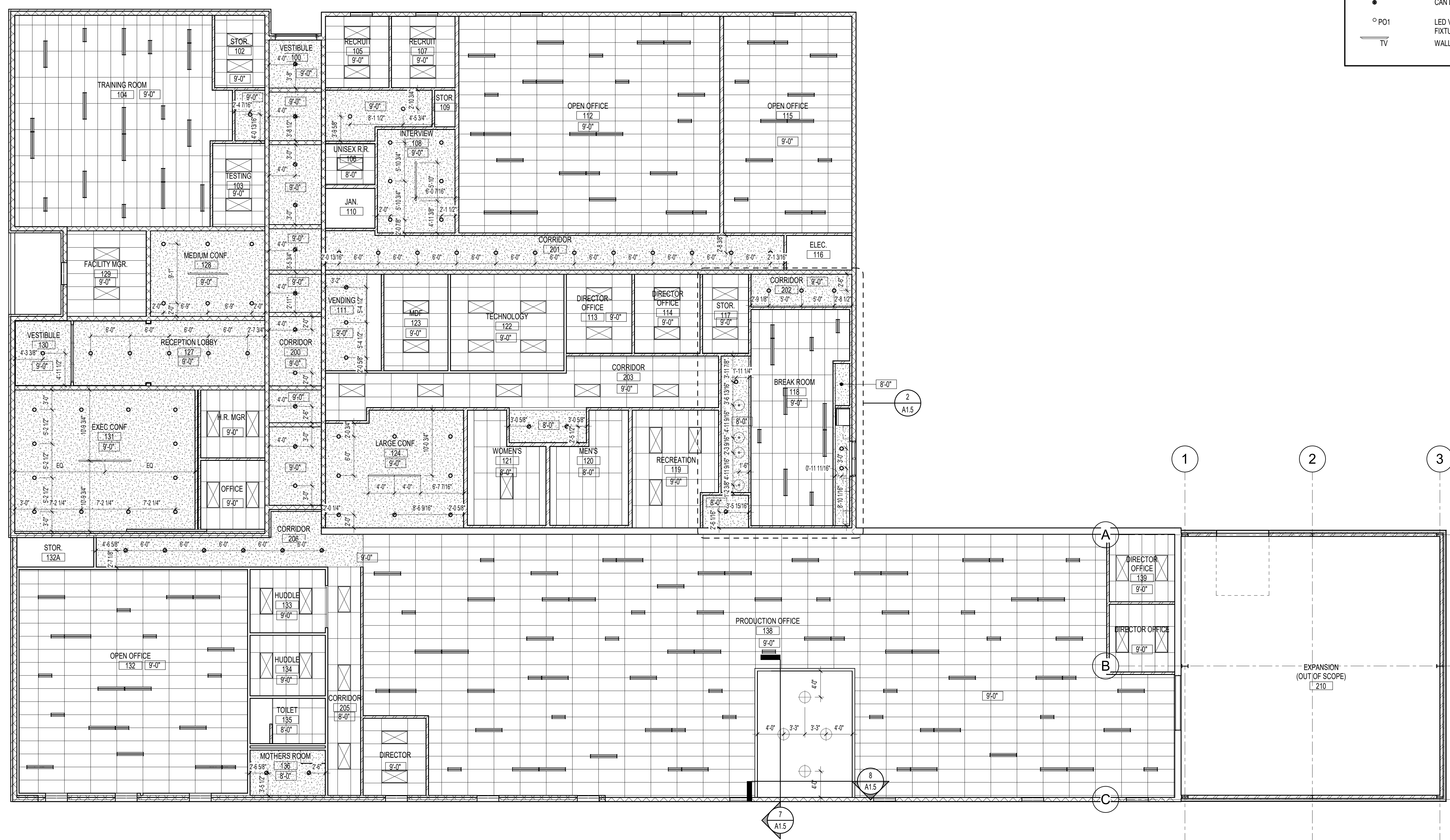
Copyright © 2023 Oakley/Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

CEILING NOTES

- A. SEE MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION PLANS FOR FULL DESCRIPTION OF CEILING MOUNTED ITEMS/DEVICES
- B. ALL GRIDS ARE CENTERED IN A ROOM UNLESS NOTED OTHERWISE
- C. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS AND FINISH PLANS FOR CEILING TYPES
- D. CONTRACTOR TO REVIEW LAYOUT AND NOTIFY ARCHITECT OF ACOUSTICAL CEILING PANELS THAT ARE LESS THAN 3' IN WIDTH OR LENGTH
- E. ALL NEW LIGHT FIXTURES, EXIT SIGNS, SPRINKLER HEADS AND TERMINAL DEVICES TO BE CENTERED IN CEILING PANELS, UNLESS OTHERWISE INDICATED
- F. NOT ALL MEP DEVICES ARE SHOWN IN CEILING PLANS, SEE MEP DRAWINGS FOR LOCATIONS AND QUANTITIES
- G. FOR PENDANT MOUNTING HEIGHT REFER TO ELEVATIONS AND REFLECTED CEILING PLAN LEGEND

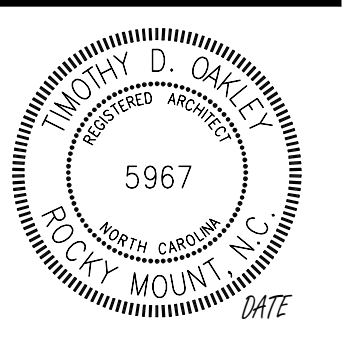
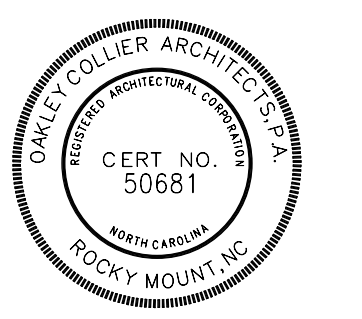
CEILING LEGEND

	2X2 LAY-IN CEILING SYSTEM
	2X2 LAY-IN CEILING SYSTEM (VINYL COATED) TYP IN WET LOCATIONS
	5/8" GYPSUM BOARD
	EXISTING CEILING TO REMAIN, MINOR CEILING MOUNTED EQUIPMENT ADJUSTMENTS MAY BE REQUIRED.
	CEILING HEIGHT KEY
	2 x 4 LIGHT FIXTURE
	1 x 4 LIGHT FIXTURE
	HIGH BAY LED LIGHTING FIXTURE
	8' BAR LIGHT FIXTURE
	HIGH BAY LED LIGHTING FIXTURE
	CAN LIGHT FIXTURE
	LED VERTICAL PENDANT FIXTURE
	TV



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

RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
AV / RL	A1.2
Checked By	Sheet Title
DG	REFLECTED CEILING PLAN

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	SIGNAGE	COMMENTS
100	VESTIBULE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	GWB		
102	STOR	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
103	TESTING	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
104	TRAINING ROOM	T	ETR	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
105	RECRUIT	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
106	UNISEX R.R.	FT-2	TB-2	PNT-1	PNT-1	WT-1	PNT-1	ACT-1		
107	RECRUIT	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
108	INTERVIEW	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	GWB		
109	STOR	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXPOSED		
110	JAN.	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXPOSED		
111	VENDING	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	GWB		
112	OPEN OFFICE	SC	RB-1	PNT-1	WP-1	PNT-1	PNT-1	ACT-1		
113	DIRECTOR OFFICE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
114	DIRECTOR OFFICE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
115	OPEN OFFICE	SC	RB-1	PNT-1	WP-1	PNT-1	PNT-1	ACT-1		
116	ELEC.	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXPOSED		
117	STOR.	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
118	BREAK ROOM	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1 / GWB		
119	RECREATION	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
120	MENS	FT-2	TB-2	PNT-2	WT-1/PNT-2	PNT-2	WT-1/PNT-2	ACT-1		
121	WOMENS	FT-1	TB-1	PNT-2	WT-1/PNT-2	PNT-2	WT-1/PNT-2	ACT-1		
122	TECHNOLOGY	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
123	MDF	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
124	LARGE CONF.	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXPOSED		
125	H.R. MGR.	T	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
126	OFFICE	T	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
127	RECEPTION LOBBY	P	ETR	PNT-1	PNT-1	PNT-1	PNT-1	GWB		
128	MEDIUM CONF.	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	GWB		
129	FACILITY MGR.	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
130	VESTIBULE	P	ETR	PNT-1	PNT-1	PNT-1	PNT-1	GWB		
131	EXEC CONF	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
132	OPEN OFFICE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
132A	STOR.	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	EXPOSED		
133	HUDDLE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
134	HUDDLE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
135	TOILET	FT-1	TB-1	PNT-1	PNT-1	WT-1	PNT-1	ACT-1		
136	MOTHERS ROOM	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	GWB		
137	DIRECTOR OFFICE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
138	PRODUCTION OFFICE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1 / EXPOSED		
139	DIRECTOR OFFICE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		
140	DIRECTOR OFFICE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1		

FINISH PLAN NOTES

1. ALL EXISTING HM DOOR AND WINDOW FRAMES TO RECEIVE NEW PAINT, COLOR PER ARCHITECT.
2. ALL EXISTING COVER PLATES FOR DEVICES TO BE REPLACED WITH ALL NEW SS COVER PLATES.
3. SEE INTERIOR ELEVATIONS FOR FULL EXTENT OF WALL FINISHES AS KEVED IN PLANS.
4. VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO INSTALLATION OF FINISHES.
5. TS = FURNISH AND INSTALL TRANSITION STRIP AT ALL FLOOR MATERIAL CHANGES AS SHOWN OR AS REQUIRED.
6. HEIGHT AND PROFILE OF ALL TRANSITIONS STRIPS SHALL COMPLY WITH HANDICAP CODE.
7. COLOR FOR ALL TRANSITION STRIPS SHALL BE AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
8. COORDINATE LOCATION OF ALL TRANSITION STRIPS WITH EXISTING AND NEW CONDITIONS, WHERE POSSIBLE. LOCATE TRANSITION STRIPS UNDER DOOR SLABS. NO EXPOSED SLAB PERMITTED IN FINISHED AREAS.
9. COORDINATE SIZE OF ALL TRANSITION STRIPS WITH FINISH MATERIALS.

FINISH LEGEND

WALL FINISHES BASED ON PLAN DIRECTION (PLAN N.E.S.W)
 *PLAN DIRECTION REFERS TO ORIENTATION ON THIS SHEET

WALL FINISH	FLOOR FINISH
PNT-1 INTERIOR FIELD PAINT 1	FT-1 FLOOR TILE 1
WT-1 WALL TILE 1	FT-2 FLOOR TILE 2
	LVT-1
	T EXISTING TERRAZZO TO REMAIN
	P EXISTING PAVERS TO REMAIN
	SC SEALED CONCRETE
RB-1 RUBBER BASE	
TB-1 TILE BASE 1	
ETR EXISTING TO REMAIN	
SURFACE FINISH	CEILING FINISH
PL-1 P-LAM 1	QS-1 QUARTZ 1
PL-2 P-LAM 2	SS-1 SOLID SURFACE 1
PL-3 P-LAM 3	SS-2 SOLID SURFACE 2
	ACT-1 ACOUSTICAL CEILING TILE
	GWB GYPSUM WALL BOARD
	EXPOSED EXPOSED STRUCTURE

FLOOR FINISH FILL LEGEND

T: EXISTING TERRAZZO	SC: SEALED CONCRETE
P: EXISTING PAVERS	FT-1: FLOOR TILE 1
LVT-1: LUXURY VINYL TILE	FT-2: FLOOR TILE 2

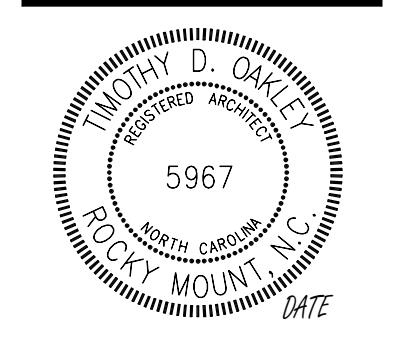
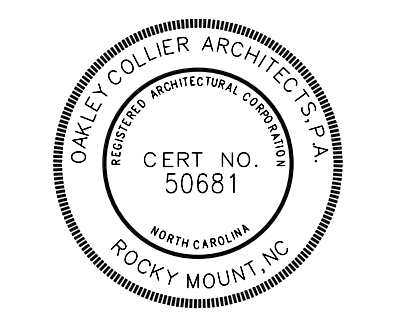
NOTES:
 1. PATTERNS IN THIS LEGEND APPLY TO FLOOR FINISH PLAN ONLY.
 2. SEE FINISH SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.



1 A1.3 FINISH FLOOR PLAN
 1/8" = 1'-0"

Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

RENOVATION FOR:
PROVALUS
 CITY OF WHITEVILLE
 127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

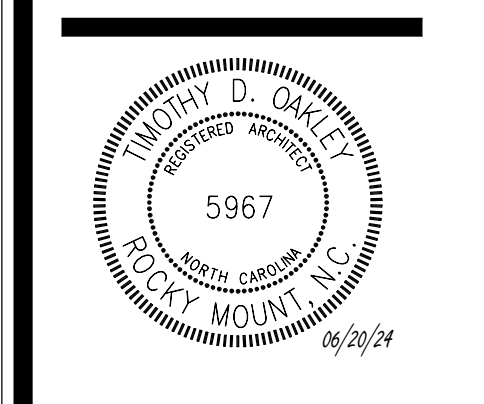
Revisions	Description	Date

Date: 10/30/2024
 Project No: **24002**
 Drawn By: AV / RL
 Checked By: DG
 Sheet No: **A1.3**
 Sheet Title: **FINISH PLAN - FIRST FLOOR**

Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1
A1.4 FLOOR PLAN - PRELIMINARY LAYOUT r4.3
1/8" = 1'-0"

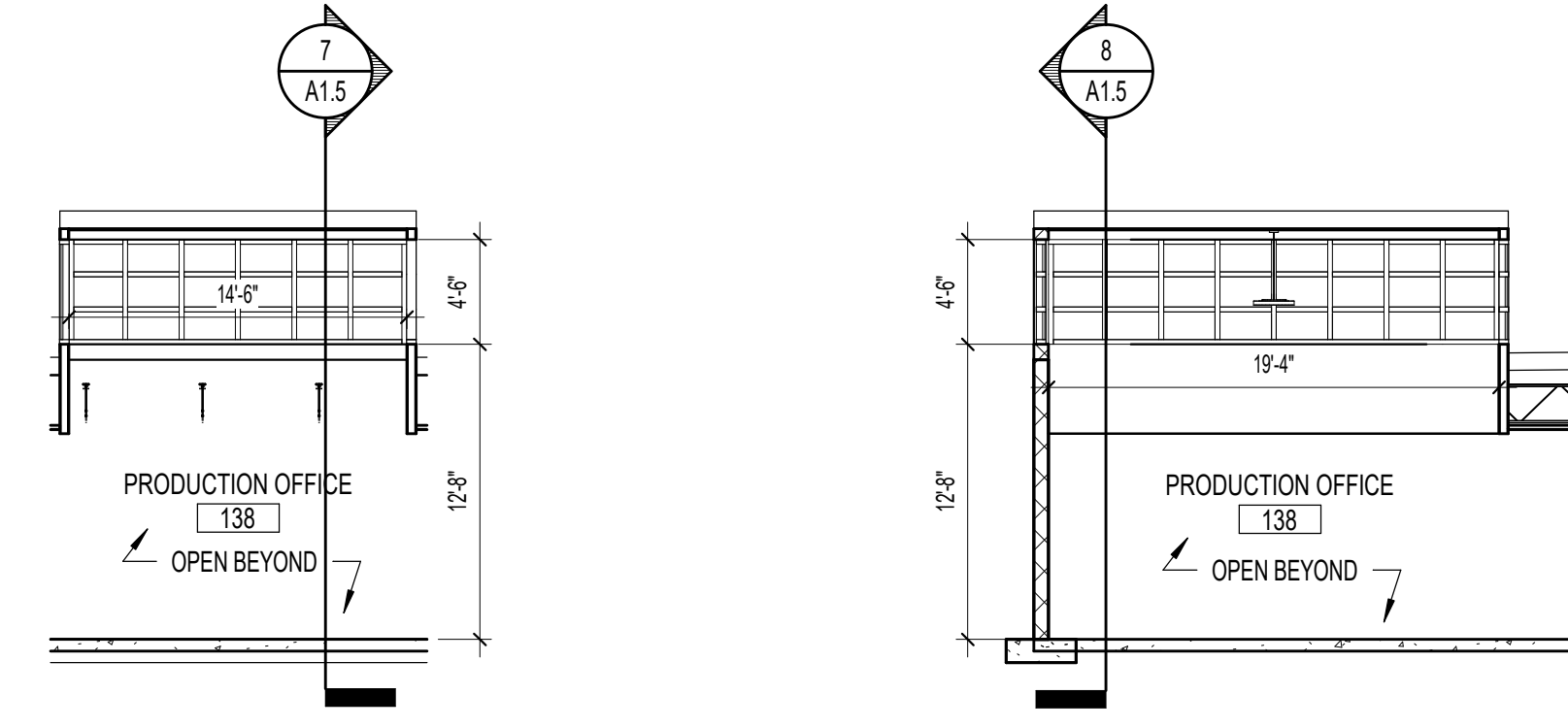


GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

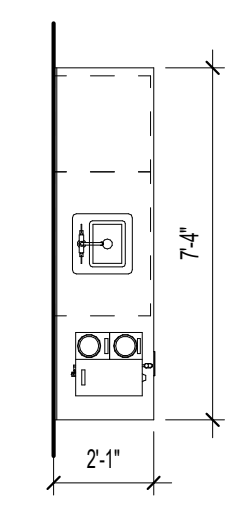
Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
AV/RL	A1.4
Checked By	Sheet Title
DG	FURNITURE PLAN - FIRST FLOOR

Copyright © 2023 Oakley/Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

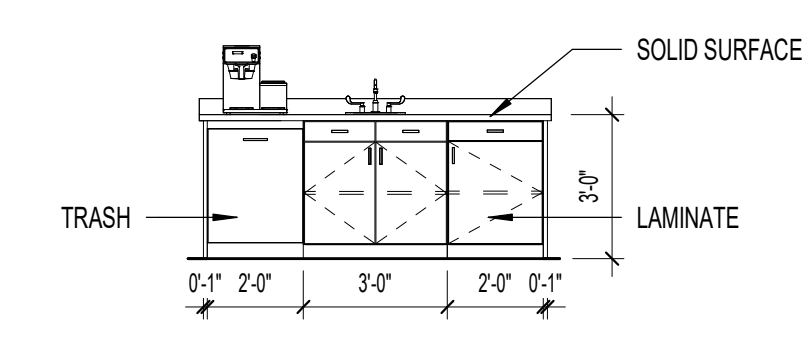


8 LIGHTWELL ES SECTION
1/8" = 1'-0"

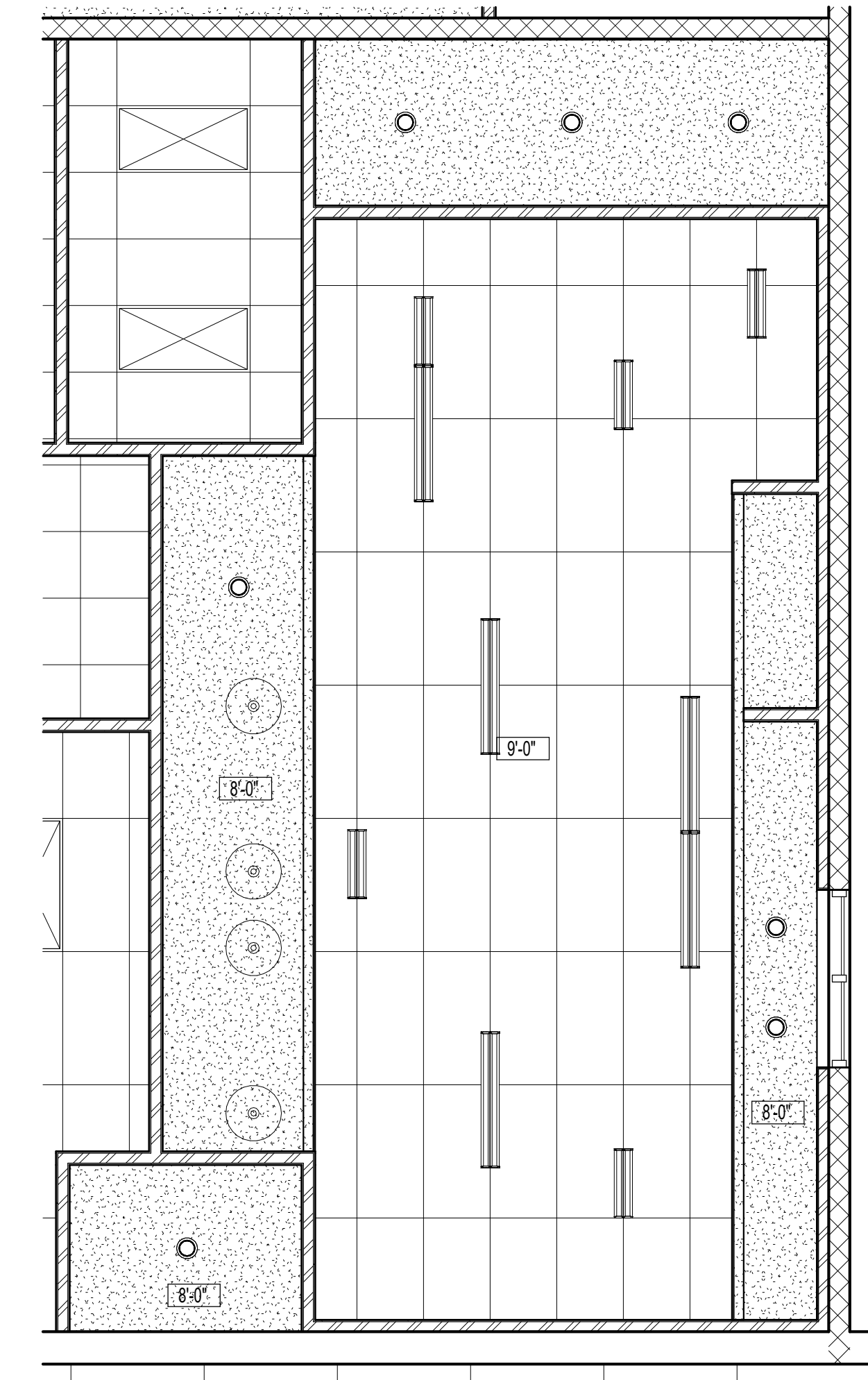
7 LIGHT WELL NS SECTION
1/8" = 1'-0"



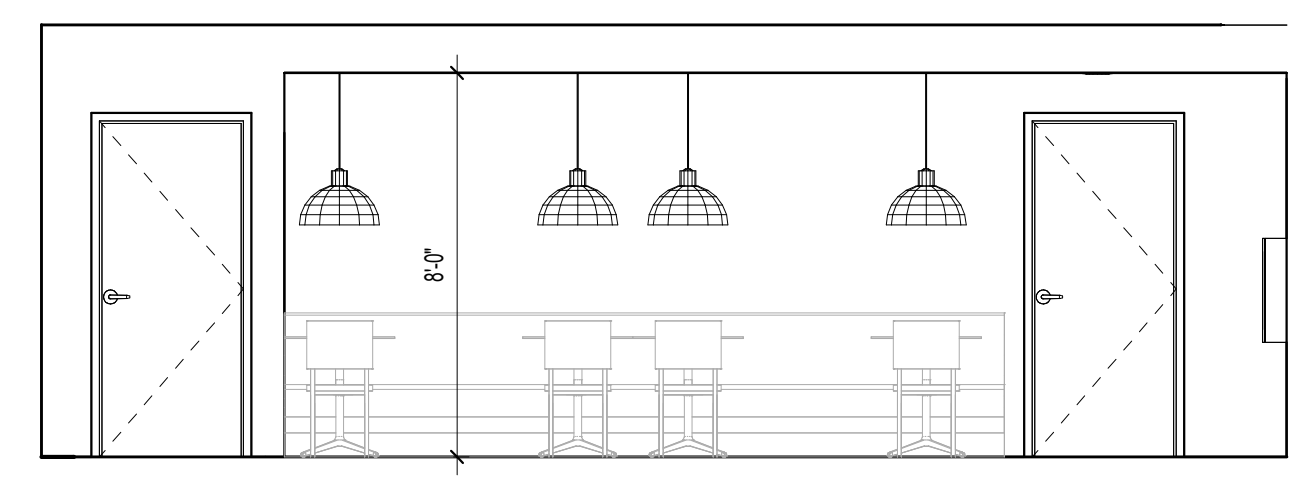
6 ENLARGED PLAN - WET BAR
1/4" = 1'-0"



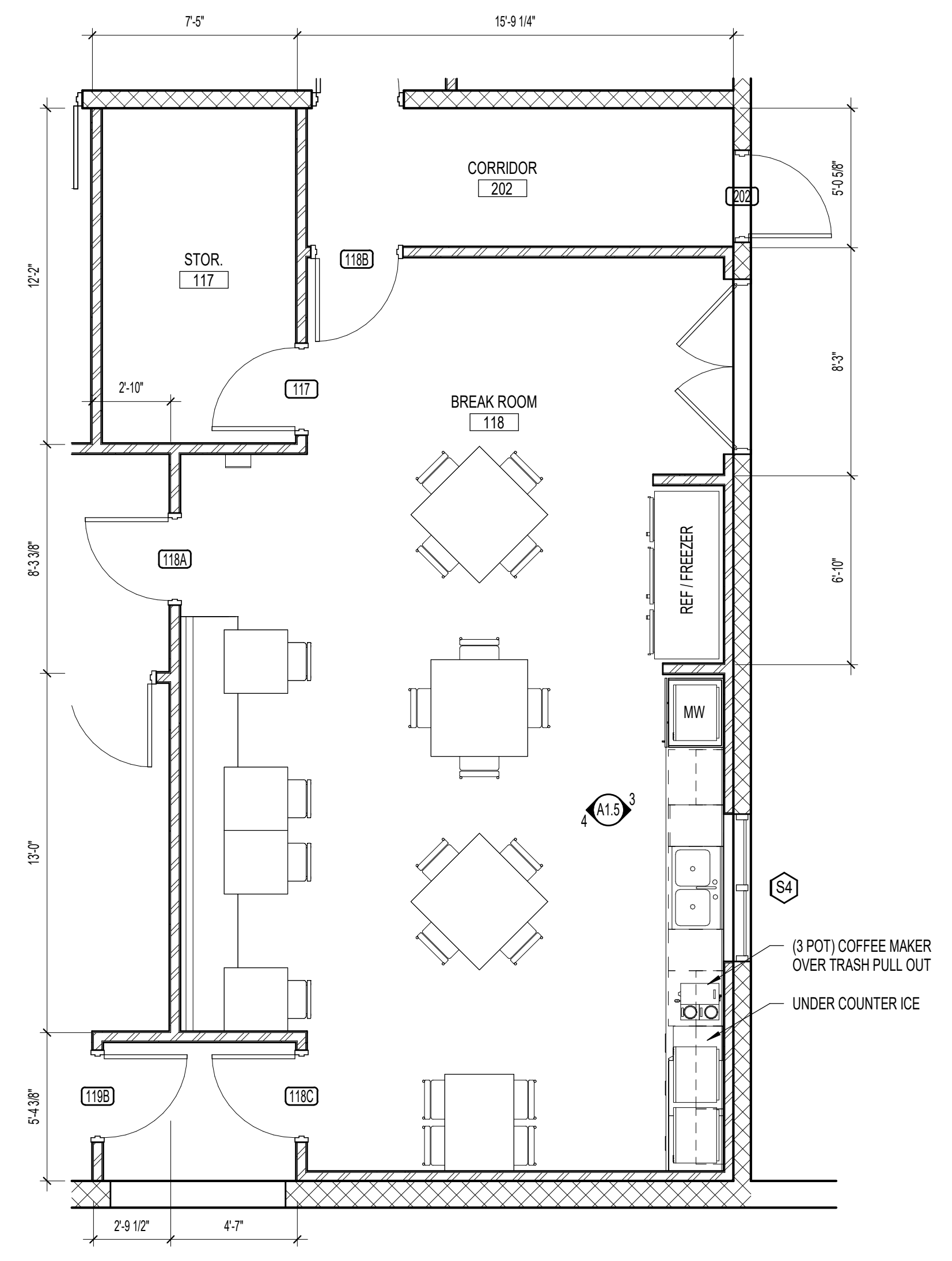
5 ELEV. - WET BAR 131
1/4" = 1'-0"



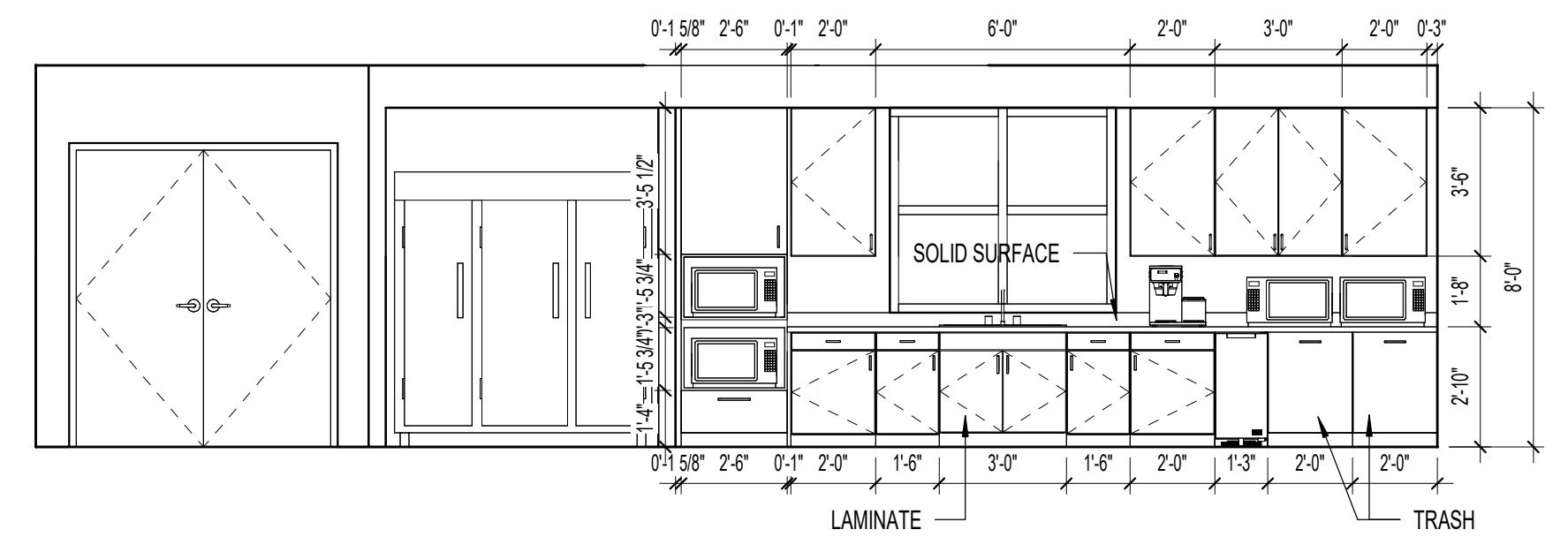
2 ENLARGED RCP - BREAKROOM
1/4" = 1'-0"



4 ELEVATION - BREAKROOM SEATING
1/4" = 1'-0"



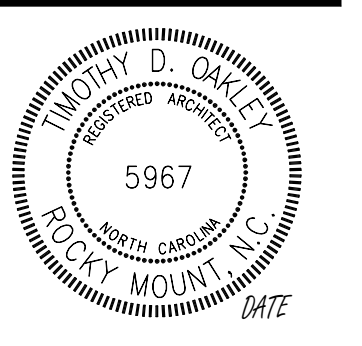
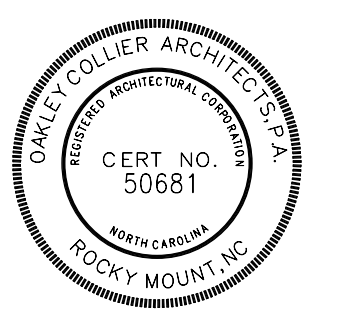
1 ENLARGED PLAN - BREAKROOM
1/4" = 1'-0"



3 ELEVATION - BREAKROOM CASEWORK
1/4" = 1'-0"

GENERAL FLOOR PLAN NOTES

- DIMENSIONS ON THIS PLAN ARE FROM FACE OF BRICK TO INTERIOR FACE OF EXTERIOR WALL, CENTERLINE TO CENTERLINE OF INTERIOR WALLS.
- PROVIDE BRACING BACK TO STRUCTURE FOR INTERIOR WALLS, TYPICAL.
- ALL DRYWALL SHALL BE 5/8" AND SHALL EXTEND 4" MINIMUM ABOVE FINISH CEILING (D.A.O.)
- INSTALL SOUND ATTENUATION BATT INSULATION FULL HEIGHT IN ALL INTERIOR STUD FRAMED WALLS.
- INSTALL SOUND ATTENUATION BATT INSULATION 4" WIDE AROUND CEILING PERIMETER OF ALL ROOMS WITH SOUND BATT IN WALLS.
- VERIFY ALL DIMENSIONS AND SIZES PRIOR TO CONSTRUCTION.
- SCHEDULE AND COORDINATE ALL INSPECTIONS REQUIRED.
- OBTAIN ALL PERMITS REQUIRED.
- COORDINATE ALL SCHEDULES WITH THE OWNER PRIOR TO CONSTRUCTION.
- REFER TO STRUCTURAL PLANS FOR ALL STRUCTURAL HEADERS.
- SEE DOOR AND WINDOW SCHEDULES FOR ALL DOOR AND WINDOW SIZES.



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
AV / RL	A1.5
Checked By	Sheet Title
DG	ENLARGED PLANS

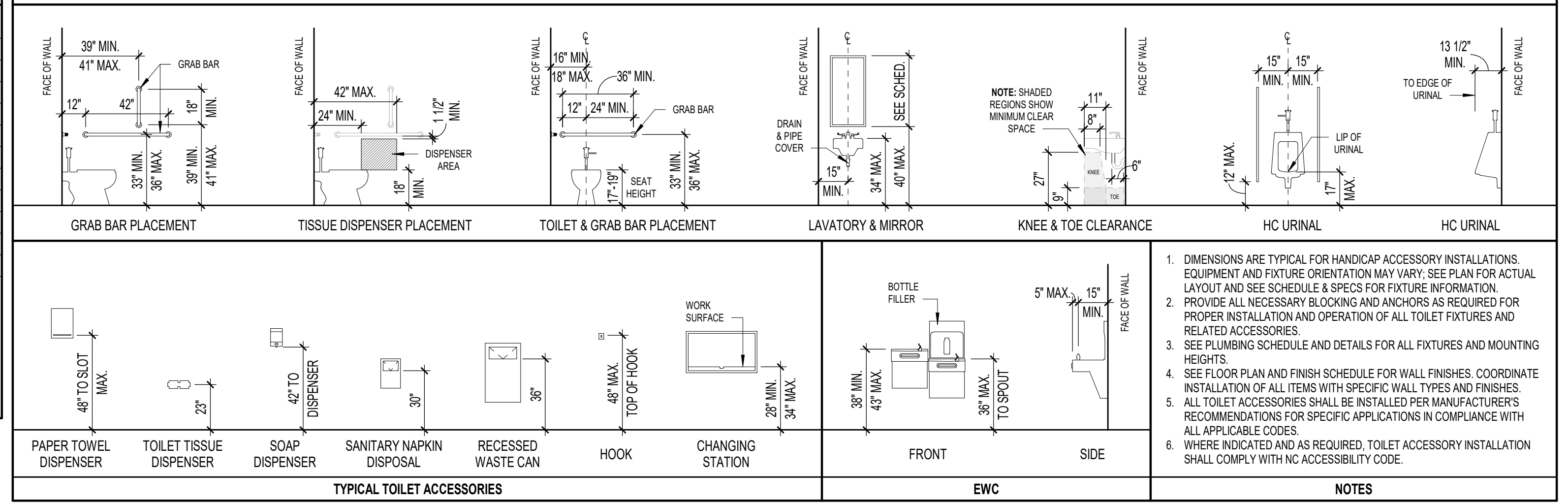
Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	MANUF.	MODEL NO.	MOUNTING HEIGHT
PT	PAPER TOWEL DISPENSER	A.S.I.	20210	48" TO SLOT
SD	SURFACE MOUNTED SOAP DISPENSER	A.S.I.	9343	50 7/8" TO TOP
M	4' X 42" MIRROR	-	-	40" TO BOTTOM
M4	4' X 6' MIRROR	-	-	40" TO BOTTOM
CS	CHANGING STATION	A.S.I.	9013-9	32" ABV. FF
TD	DOUBLE ROLL TISSUE DISPENSER	A.S.I.	10-9030	27" C.L.
GB36	1 1/2" DIA. X 36" S.S. GRAB BAR - PEENED	A.S.I.	3800-36P	34" C.L.
GB42	1 1/2" DIA. X 42" S.S. GRAB BAR - PEENED	A.S.I.	3800-42P	34" C.L.
GB18	1 1/2" DIA. X 18" S.S. (VERTICAL) GRAB BAR - PEENED	A.S.I.	3800-18P	39" TO BOTTOM
TS	SOLID PLASTIC TOILET PARTITION	ACCURATE	-	-
SN	SANITARY DISPENSER	A.S.J.	-	16" TO BOTTOM

1. ALL TOILET ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS IN COMPLIANCE WITH ALL APPLICABLE CODES.
2. WHERE INDICATED AND AS REQUIRED, TOILET ACCESSORY INSTALLATION SHALL COMPLY WITH NC ACCESSIBILITY CODE.
3. FURNISH AND INSTALL ALL NECESSARY FRAMING AND BLOCKING AS REQUIRED FOR PROPER INSTALLATION AND OPERATION OF ALL ACCESSORIES.
4. MANUFACTURER AND MODEL NUMBERS INDICATED REPRESENT BASIS OF DESIGN. APPROVED EQUALS WILL BE ACCEPTED.

HC ACCESSORIES LEGEND



1. DIMENSIONS ARE TYPICAL FOR HANDICAP ACCESSORY INSTALLATIONS. EQUIPMENT AND FIXTURE ORIENTATION MAY VARY. SEE PLAN FOR ACTUAL LAYOUT AND SEE SCHEDULE & SPECS FOR FIXTURE INFORMATION.
2. PROVIDE ALL NECESSARY BLOCKING AND ANCHORS AS REQUIRED FOR PROPER INSTALLATION AND OPERATION OF ALL TOILET FIXTURES AND RELATED ACCESSORIES.
3. SEE PLUMBING SCHEDULE AND DETAILS FOR ALL FIXTURES AND MOUNTING HEIGHTS.
4. SEE FLOOR PLAN AND FINISH SCHEDULE FOR WALL FINISHES. COORDINATE INSTALLATION OF ALL ITEMS WITH SPECIFIC WALL TYPES AND FINISHES.
5. ALL TOILET ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS IN COMPLIANCE WITH ALL APPLICABLE CODES.
6. WHERE INDICATED AND AS REQUIRED, TOILET ACCESSORY INSTALLATION SHALL COMPLY WITH NC ACCESSIBILITY CODE.

11 ELEVATION - UNISEX 137 #3
A1.6 1/4" = 1'-0"

7 ELEVATION - MEN'S R.R. #3
A1.6 1/4" = 1'-0"

4 ELEVATION - WOMEN'S R.R. #3
A1.6 1/4" = 1'-0"

13 ELEVATION - MOTHERS 138
A1.6 1/4" = 1'-0"

10 ELEVATION - UNISEX #2
A1.6 1/4" = 1'-0"

6 ELEVATION - MEN'S R.R. #2
A1.6 1/4" = 1'-0"

3 ELEVATION - WOMEN'S R.R. #2
A1.6 1/4" = 1'-0"

15 ELEVATION - UNISEX 106
A1.6 1/4" = 1'-0"

12 ELEVATION - UNISEX 137 #4
A1.6 1/4" = 1'-0"

9 ELEVATION - UNISEX 137 #1
A1.6 1/4" = 1'-0"

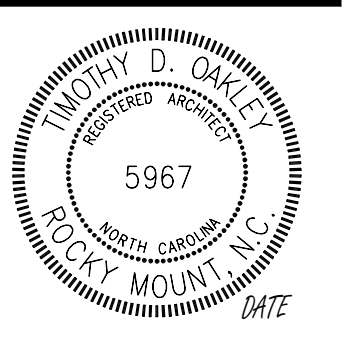
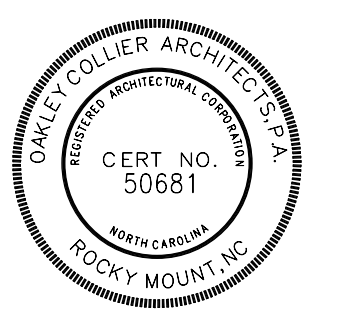
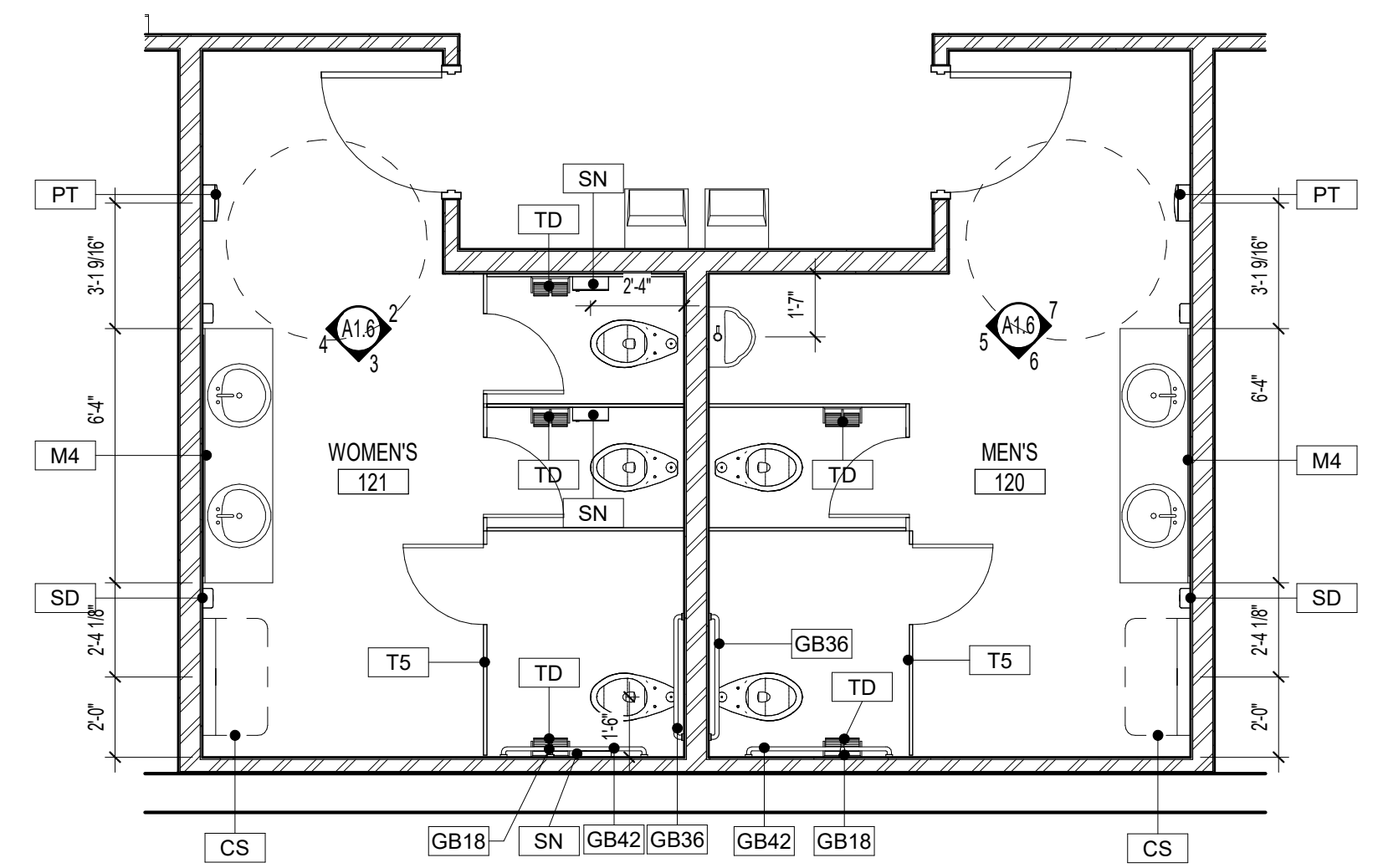
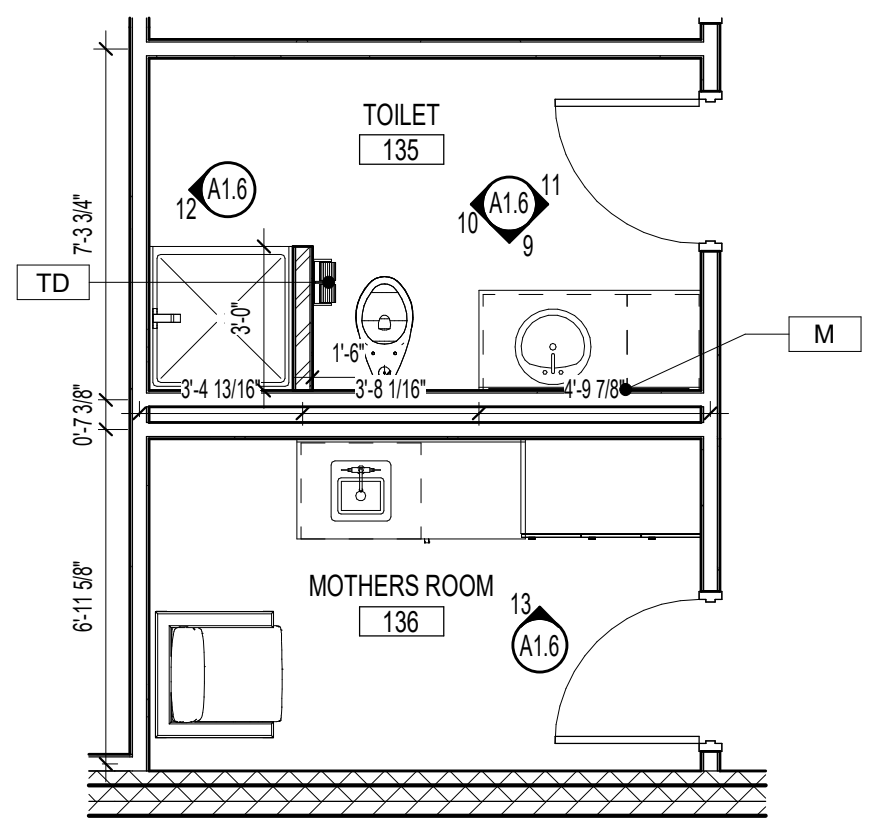
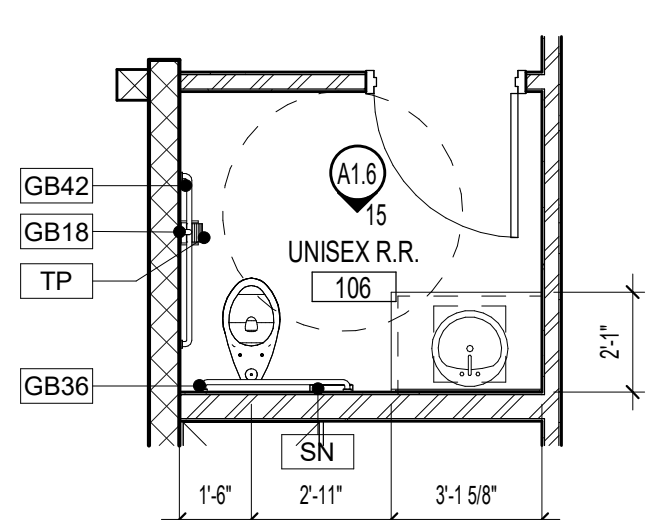
5 ELEVATION - MEN'S R.R. #1
A1.6 1/4" = 1'-0"

2 ELEVATION - WOMEN'S R.R. #1
A1.6 1/4" = 1'-0"

14 ENLARGED PLAN - UNISEX 106
A1.6 1/4" = 1'-0"

8 ENLARGED PLAN - UNISEX/MOTHERS
A1.6 1/4" = 1'-0"

1 ENLARGED PLAN - RESTROOM
A1.6 1/4" = 1'-0"



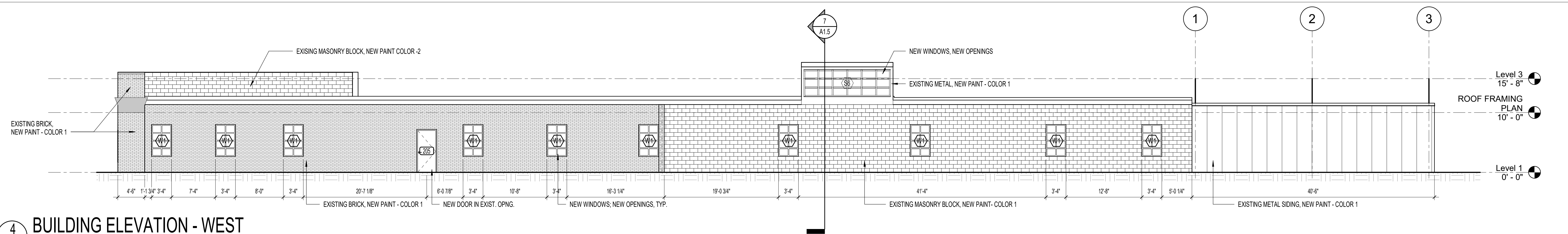
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Revisions	Description	Date

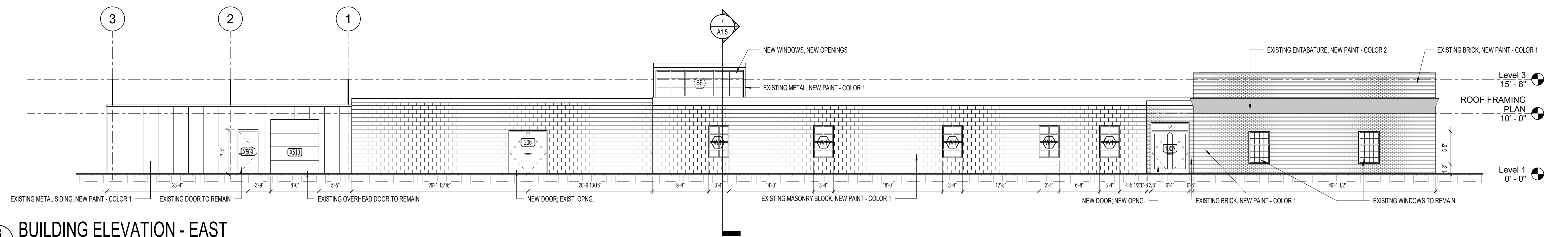
Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
AV / RL	A1.6
Checked By	Sheet Title
DG	ENLARGED RESTROOM PLANS

EXTERIOR FINISH LEGEND

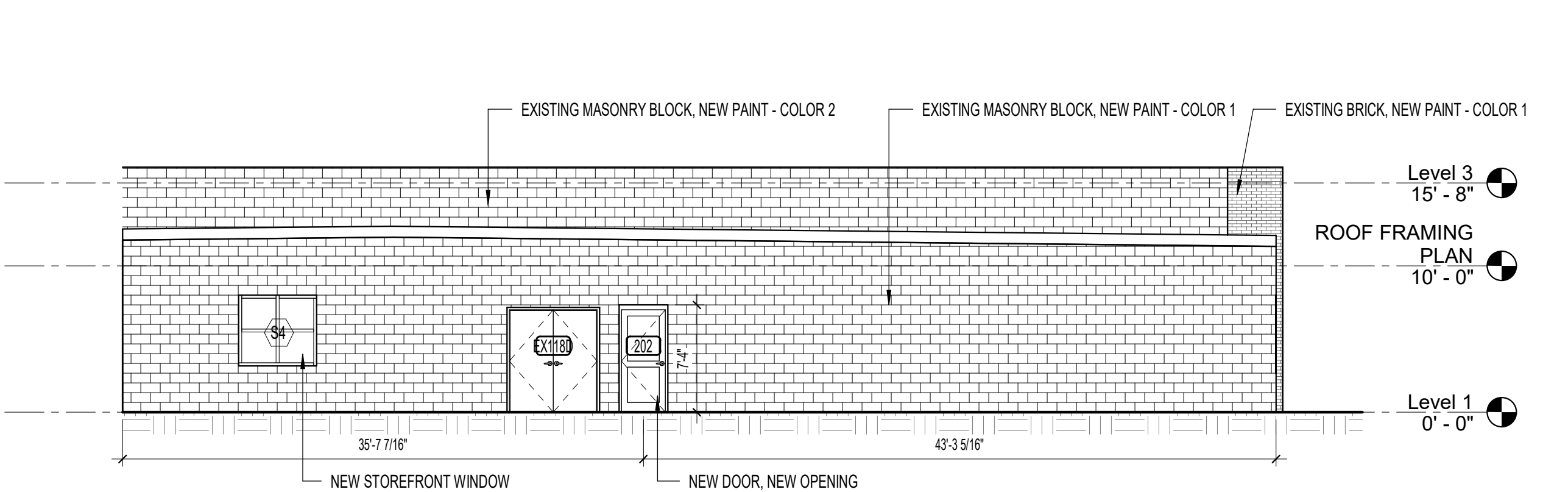
MATERIAL	DESCRIPTION	NOTES
EXISTING EXTERIOR BRICK	COLOR 1: FIELD PAINT COLOR AS SELECTED BY ARCHITECT	1. MANUFACTURERS INDICATED ARE BASIS OF DESIGN; SEE SPECIFICATION SECTION 01 60 00 - PRODUCT REQUIREMENTS FOR SUBSTITUTION REQUESTS. 2. INSTALL AND FINISH ALL COMPONENTS PER MANUFACTURERS RECOMMENDATIONS.
EXISTING EXTERIOR MASONRY	COLOR 1: FIELD PAINT COLOR AS SELECTED BY ARCHITECT COLOR 2: FIELD PAINT COLOR AS SELECTED BY ARCHITECT	
EXISTING EXTERIOR ENTABLATURE	COLOR 2: FIELD PAINT COLOR AS SELECTED BY ARCHITECT	



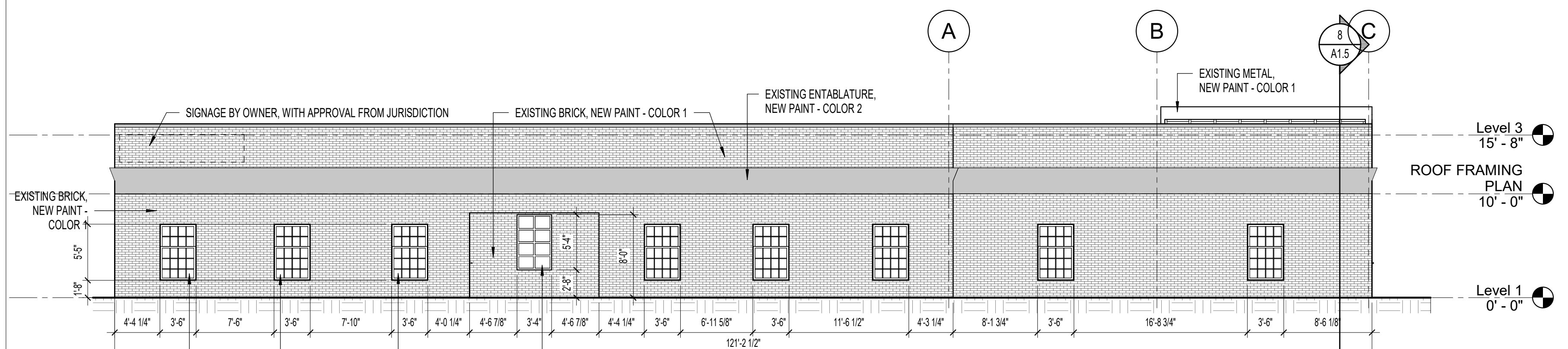
4 BUILDING ELEVATION - WEST
1/8" = 1'-0"



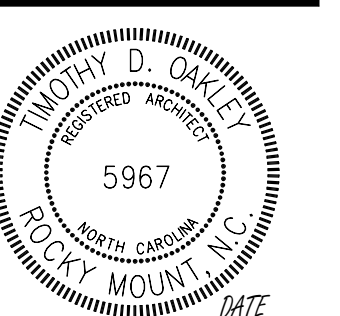
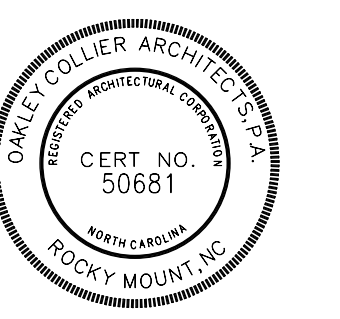
3 BUILDING ELEVATION - EAST
1/8" = 1'-0"



2 BUILDING ELEVATION - SOUTH
1/8" = 1'-0"



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

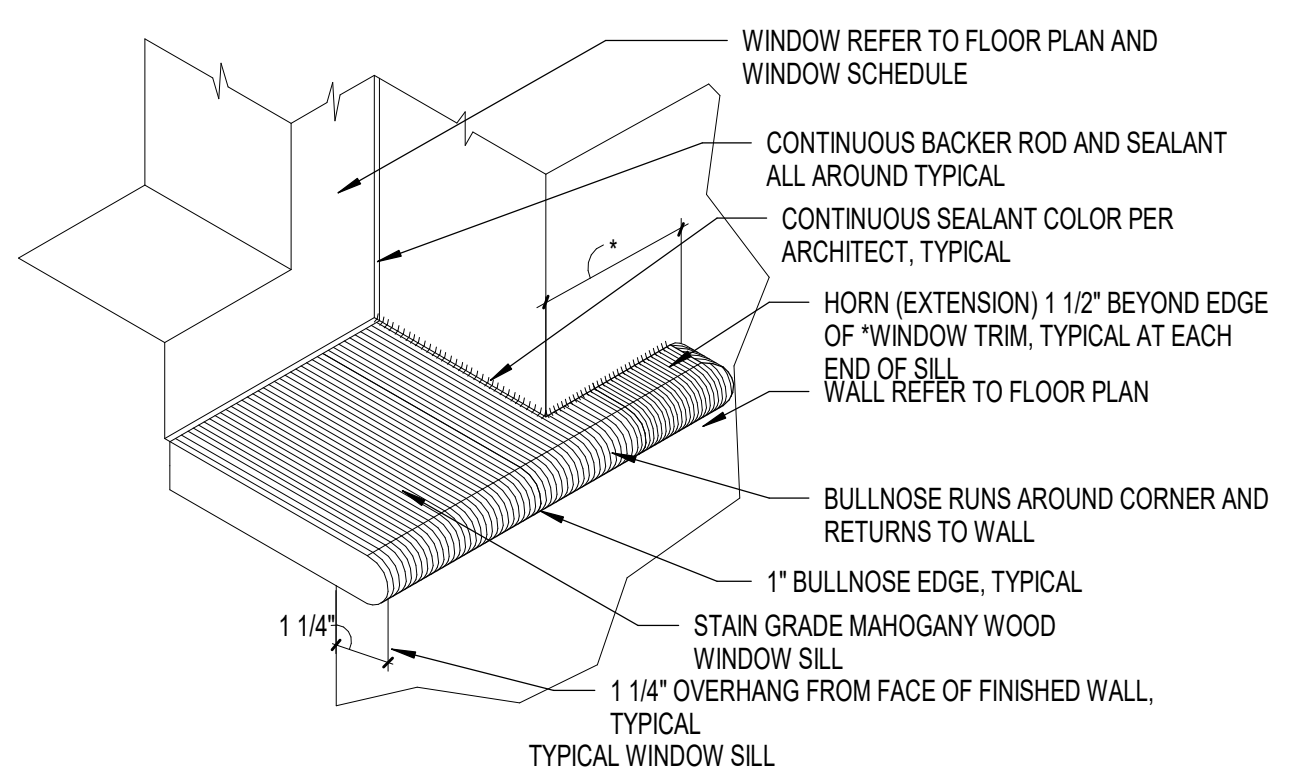


GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

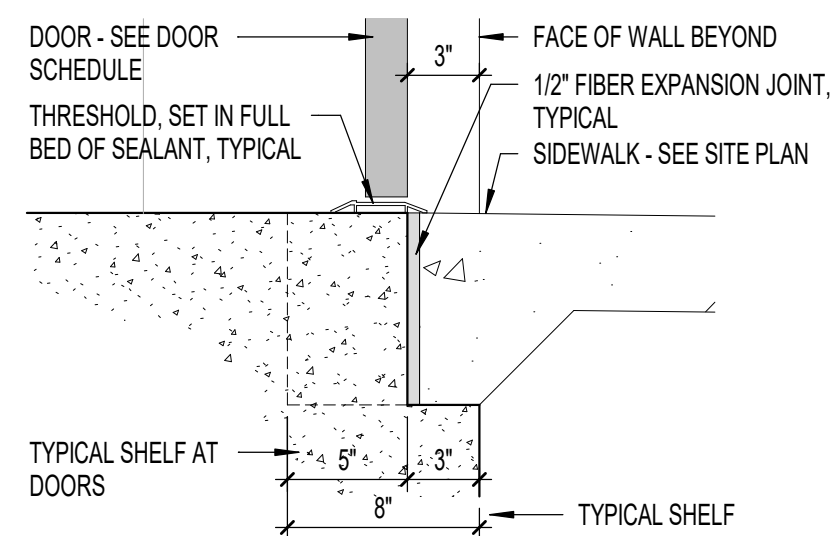
Revisions	Description	Date

Date	10/30/2024	Project No.	24002
Drawn By	AV / RL	Sheet No.	A2.0
Checked By	DG	Sheet Title	OVERALL BUILDING ELEVATIONS

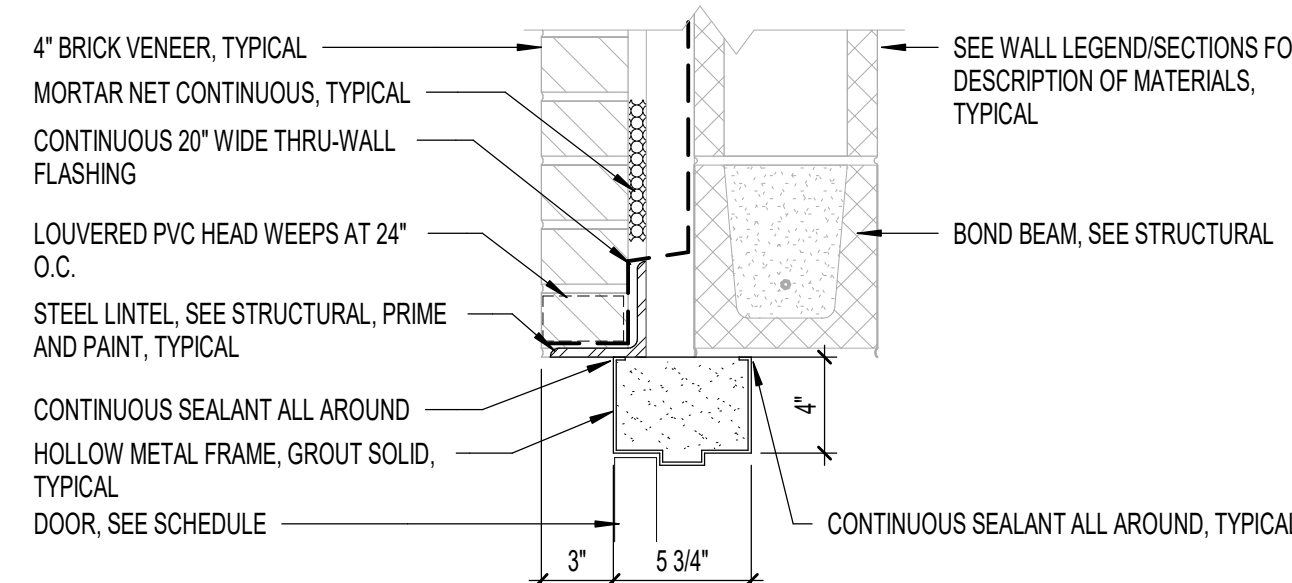
Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



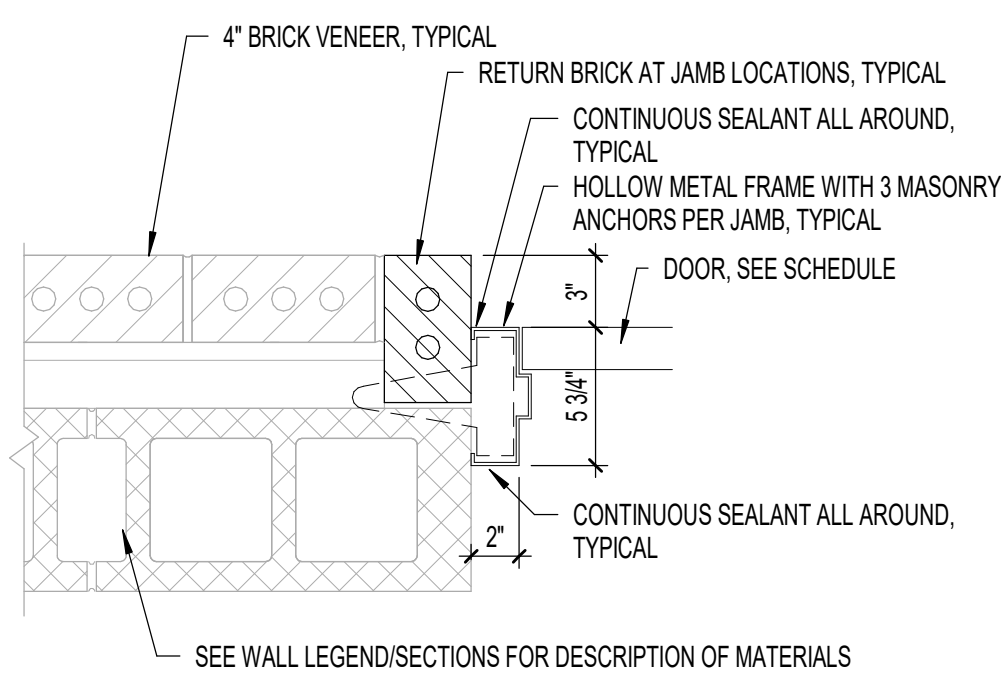
9 SILL DETAIL
A6.1 3" = 1'-0"



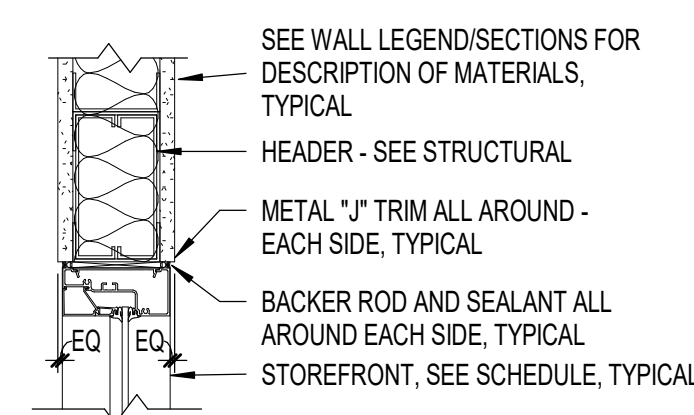
8 SILL DETAIL
A6.1 1 1/2" = 1'-0"



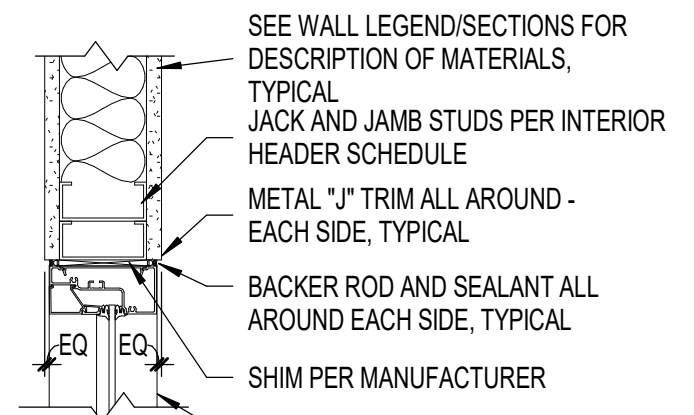
7 HEAD DETAIL
A6.1 1 1/2" = 1'-0"



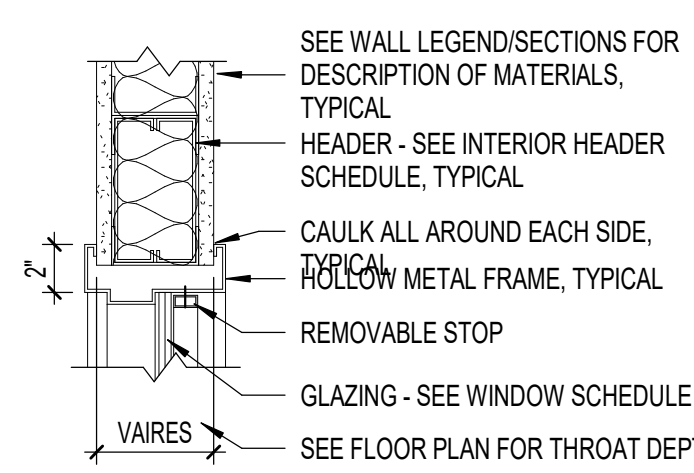
6 JAMB DETAIL
A6.1 1 1/2" = 1'-0"



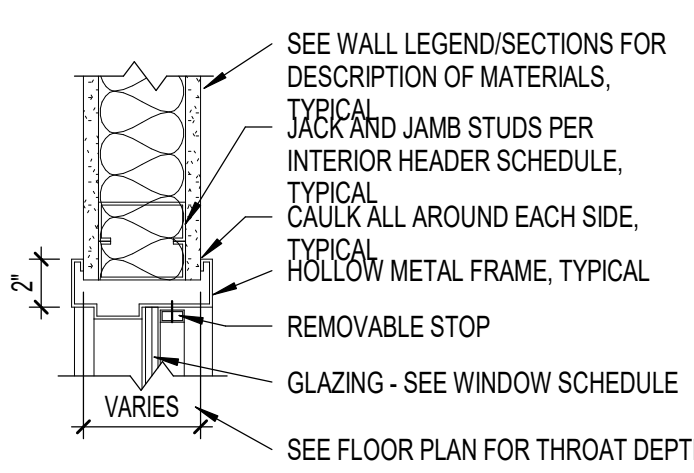
5 WINDOW - HEAD - INT SF
A6.1 1 1/2" = 1'-0"



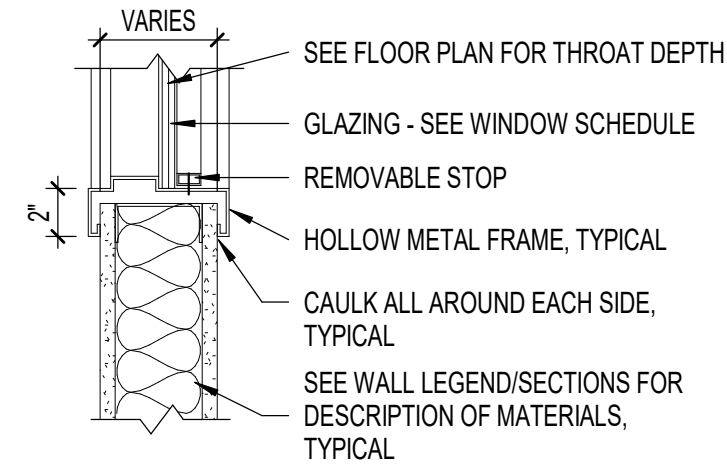
4 WINDOW - JAMB PARALLEL - INT SF
A6.1 1 1/2" = 1'-0"



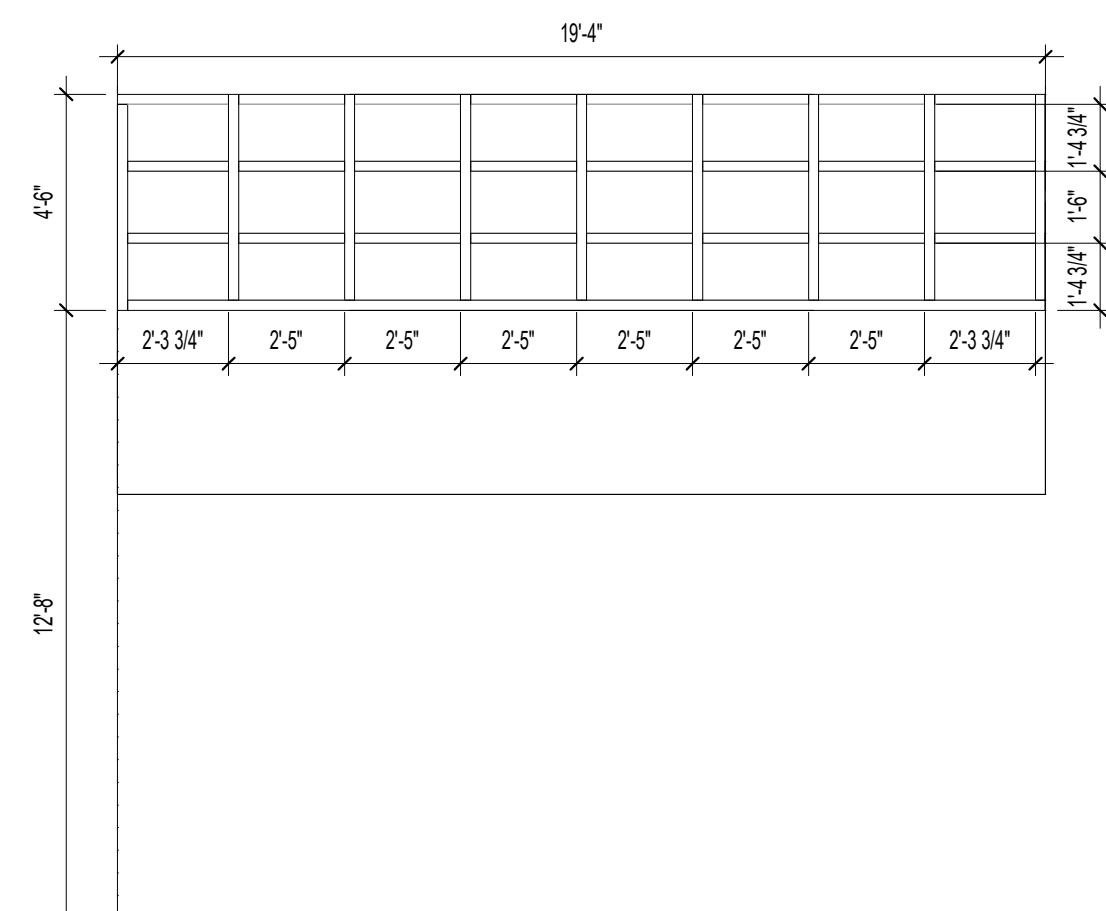
3 WINDOW - HEAD - INT - HM
A6.1 1 1/2" = 1'-0"



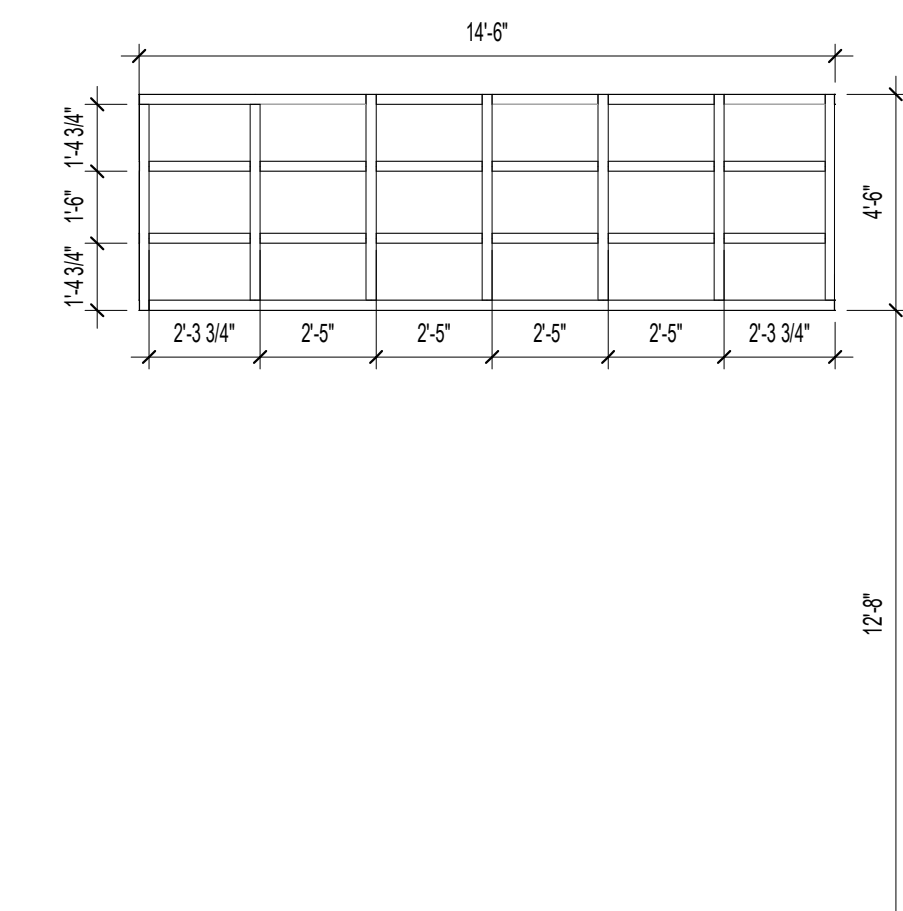
2 WINDOW - JAMB - INT - HM
A6.1 1 1/2" = 1'-0"



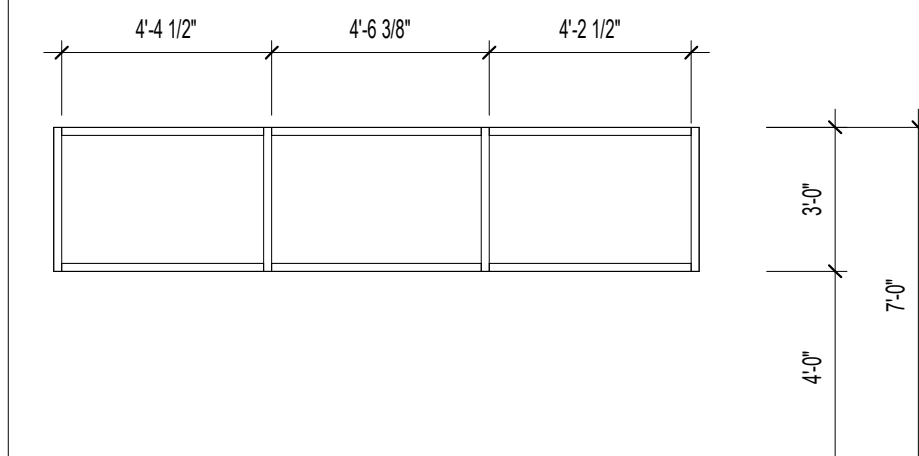
1 WINDOW - SILL - INT - HM
A6.1 1 1/2" = 1'-0"



S7
1/4" = 1'-0"



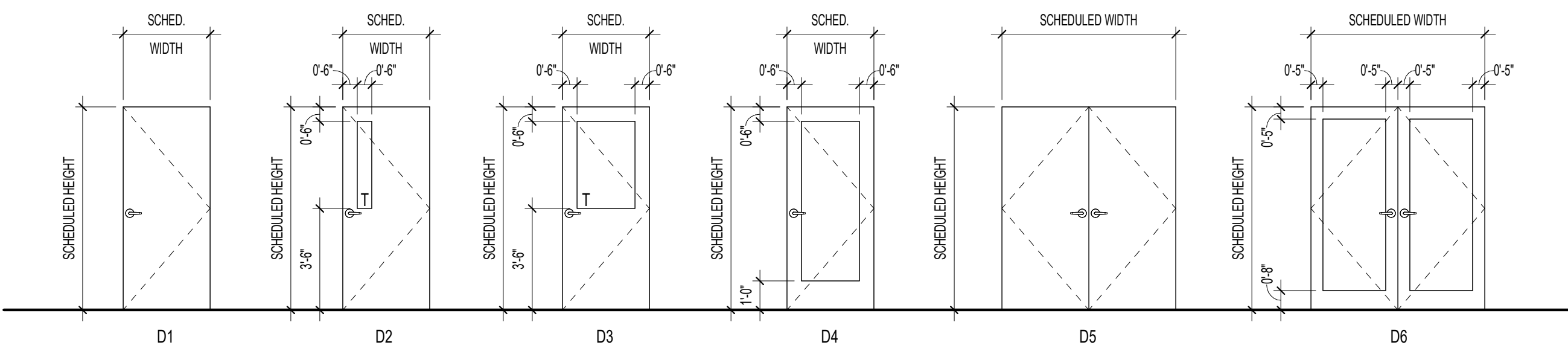
S6
1/4" = 1'-0"



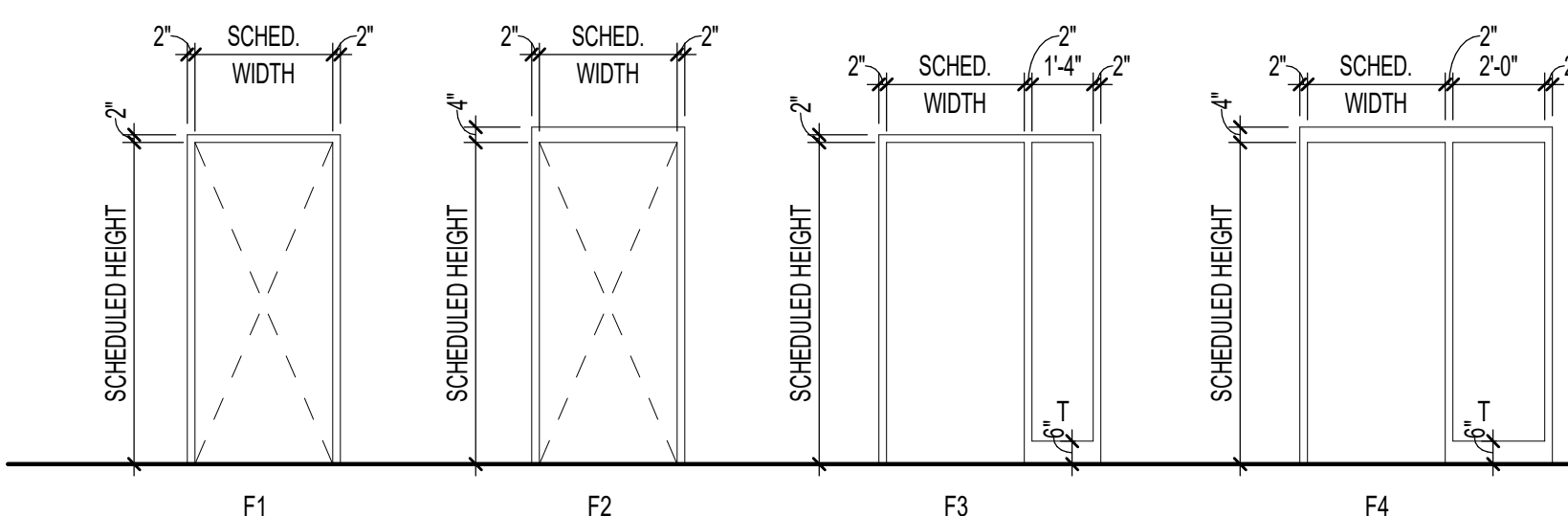
S5
1/4" = 1'-0"

DOOR SCHEDULE

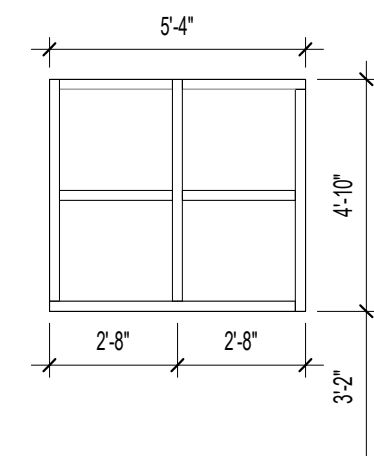
DOOR NUMBER	SIZE			DOOR					FRAME				REMARKS
	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	DESCRIPTION	ELEVATION	RATING	MATERIAL	FINISH	ELEVATION	RATING	
100A	6'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED	1/4" TEMPERED	D6	N/A	HOLLOW METAL	PAINTED	F2	N/A	
100B	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D4	N/A	ALUM. STOREFRONT	PAINTED	F4	N/A	
102	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F1	N/A	
103	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
104A	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D4	N/A	ALUM. STOREFRONT	PAINTED	F4	N/A	
105	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
106	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F1	N/A	
107	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
108A	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
108B	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
109	2'-8"	7'-0"	1 3/4"	SC WOOD	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F1	N/A	
110	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F1	N/A	
112A	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D4	N/A	HOLLOW METAL	PAINTED	F1	N/A	
112B	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D4	N/A	HOLLOW METAL	PAINTED	F1	N/A	
113	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	ALUM. STOREFRONT	PAINTED	F4	N/A	
114	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	ALUM. STOREFRONT	PAINTED	F4	N/A	
115	3'-0"	7'-0"	1 3/4"	ALUM. STOREFRONT	PAINTED	1/4" TEMPERED	D4	N/A	ALUM. STOREFRONT	PAINTED	S3	N/A	
116	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F1	N/A	
117	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F1	N/A	
118A	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D3	N/A	HOLLOW METAL	PAINTED	F1	N/A	
118B	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D3	N/A	HOLLOW METAL	PAINTED	F1	N/A	
118C	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D3	N/A	HOLLOW METAL	PAINTED	F1	N/A	
118A	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D3	N/A	HOLLOW METAL	PAINTED	F1	N/A	
119B	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D3	N/A	HOLLOW METAL	PAINTED	F1	N/A	
120	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F1	N/A	
121	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F1	N/A	
124	3'-0"	7'-0"	1 3/4"	ALUM. STOREFRONT	PAINTED	N/A	D2	N/A	ALUM. STOREFRONT	PAINTED	F4	N/A	
126	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
127	3'-0"	7'-0"	1 3/4"	ALUM. STOREFRONT	PAINTED	1/4" TEMPERED	D4	N/A	ALUM. STOREFRONT	PAINTED	S1	N/A	
130	4'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED	1/4" TEMPERED	D4	N/A	HOLLOW METAL	PAINTED	F2	N/A	
131A	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
131B	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
132	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D4	N/A	ALUM. STOREFRONT	PAINTED	F4	N/A	
133	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
134	3'-0"	7'-0"	1 3/4"	ALUM. STOREFRONT	PAINTED	1/4" TEMPERED	D2	N/A	ALUM. STOREFRONT	PAINTED	F1	N/A	
137	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	ALUM. STOREFRONT	PAINTED	F4	N/A	
138A	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D4	N/A	ALUM. STOREFRONT	PAINTED	F4	N/A	
138B	6'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED	N/A	D5	N/A	HOLLOW METAL	PAINTED	F1	N/A	
139	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D1	N/A	HOLLOW METAL	PAINTED	F1	N/A	
140	3'-0"	7'-0"	1 3/4"	SC WOOD	PAINTED	1/4" TEMPERED	D2	N/A	HOLLOW METAL	PAINTED	F1	N/A	
202	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F2	N/A	
205	3'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED	N/A	D1	N/A	HOLLOW METAL	PAINTED	F2	N/A	
206	6'-0"	7'-0"	1 3/4"	HOLLOW METAL	PAINTED	N/A	D5	N/A	HOLLOW METAL	PAINTED	F2	N/A	
EX104B	3'-0"	7'-0"	1 3/4"										
EX118D	6'-0"	7'-0"	1 3/4"										
EX122	3'-0"	7'-0"	1 3/4"										
EX123	3'-0"	7'-0"	1 3/4"										
EX125	4'-0"	6'-8"	1 3/4"										
EX128	2'-8"	6'-8"	1 3/4"										
EX129	2'-8"	6'-8"	1 3/4"										
EX132	2'-8"	6'-8"	1 3/4"										
EX132A	3'-0"	7'-0"	1 3/4"										
EX133	2'-8"	6'-8"	1 3/4"										
EX135	3'-0"	7'-0"	1 3/4"										
EX136	3'-0"	7'-0"	1 3/4"										



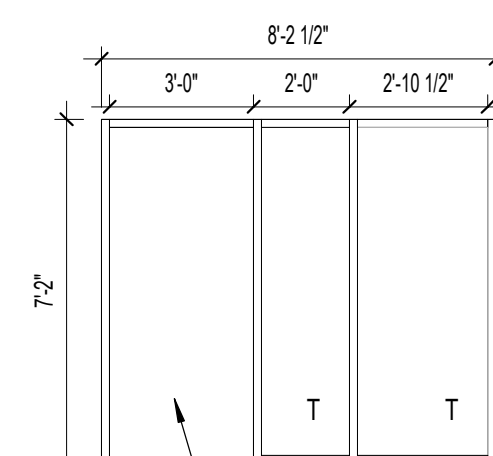
DOOR - ELEVATIONS
1/4" = 1'-0"



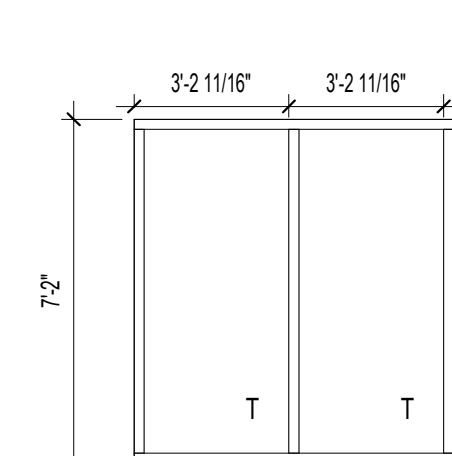
FRAME - ELEVATIONS
1/4" = 1'-0"



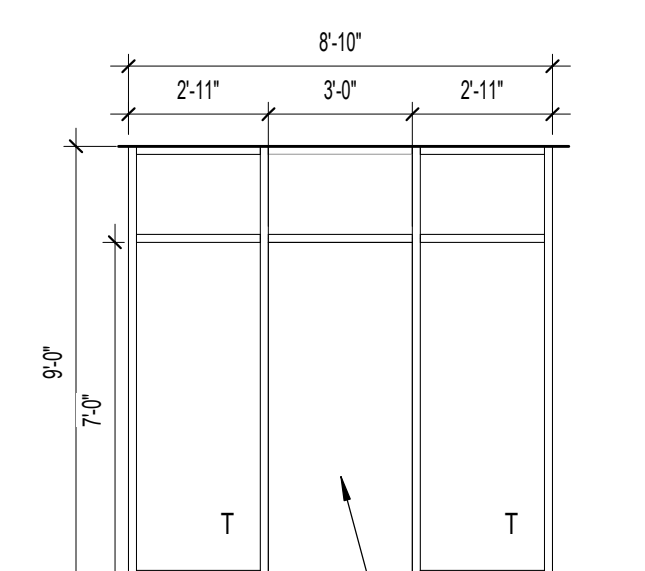
S4
1/4" = 1'-0"



S3
1/4" = 1'-0"



S2
1/4" = 1'-0"



S1
1/4" = 1'-0"

GENERAL DOOR NOTES

- ALL HARDWARE SHALL MEET ALL APPLICABLE CODES.
- TEMPERED GLAZING SHALL BE USED AS NOTED AND AS REQUIRED BY CODE.
- EXTERIOR DOOR GLAZING SHALL BE 5/8" TEMPERED INSULATED, TYPICAL, U.N.O.
- EXTERIOR DOOR GLAZING SHALL BE TINTED TO MATCH PROJECT FENESTRATION, TYP.
- FURNISH AND INSTALL DOOR CLOSERS AS SCHEDULED & AS PER APPLICABLE CODES.
- ALL HOLLOW METAL DOOR FRAMES SHALL BE FULLY WELDED TYPE, FACTORY PRIME, AND FIELD PAINTED. COLOR PER ARCHITECT. INSTALL PER MANUFACTURER FOR PROPER INSTALLATION AND OPERATION FOR SPECIFIC APPLICATIONS.
- ALL WOOD DOORS SHALL BE PAINT GRADE, SPECIES AND COLOR PER ARCHITECT (PROJECT SPECIFICATIONS).
- ALL ALUMINUM STOREFRONT WINDOWS AND DOORS SHALL BE PREFINISHED COLOR (BY ARCHITECT) FROM MANUFACTURER'S RANGE OF COLORS.
- DOOR THRESHOLDS SHALL BE 1/2" MAXIMUM HEIGHT.
- ALL EXISTING DOORS, ASSOCIATED DOOR HARDWARE, AND FRAMES TO REMAIN SHALL BE ACCESSIBLE PRIOR TO RENOVATION. ALL EXISTING DOORS, DOOR HARDWARE, AND FRAMES TO REMAIN SHALL BE CLEANED & REFURBISHED TO MATCH PROJECT STANDARDS.

WINDOW NOTES

- ALL EXTERIOR STOREFRONT GLAZING SHALL BE 1" INSULATED GLASS LITE WITH TINTED GLASS AS NOTED IN SCHEDULE, TYP.
- PROVIDE ALL NECESSARY FRAME ANCHORS AS REQUIRED FOR SPECIFIC INSTALLATIONS.
- ALL GLAZING WITHIN 24" OF VERTICAL EDGE OF DOORS SHALL BE TEMPERED. TEMPERED GLAZING SHALL BE USED AS NOTED AND AS REQUIRED BY CODE.
- ALL FRAMING SYSTEMS SHALL BE DESIGNED, ENGINEERED AND FABRICATED BY THE SYSTEM MANUFACTURER TO MEET ALL APPLICABLE CODES. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
- ALL FRAMING DIMENSIONS AS SHOWN ARE ROUGH OPENING DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR EXACT FINISH DIMENSION AT JOB SITE PRIOR TO FABRICATION.
- HORIZONTAL LOUVER BLINDS SHALL BE FURNISHED AND INSTALLED ON AT EXTERIOR WINDOWS.

LEGEND

- HM - INTERIOR HOLLOW METAL WINDOW ASSEMBLY, SEE SPECIFICATION.
- WF - EXTERIOR HOLLOW METAL WINDOW ASSEMBLY, SEE SPECIFICATION.
- SF - INTERIOR ALUMINUM STOREFRONT
- CF - ALUMINUM CURTAIN WALL

GLAZING

- IG - INSULATED GLASS
- SG - SAFETY GLASS
- RSG - RATED SAFETY GLASS
- IG - 1 TINTED
- IG - 2 TINTED TEMPERED
- IG - 4 TINTED LAMINATED SPANDREL
- IG - 5
- SG - CG CLEAR
- SG - CT CLEAR, TEMPERED
- SG - FT FROSTED, TEMPERED

GENERAL NOTES:

- 1. THE PROJECT SPECIFICATIONS (A BOOK OF SPECIFICATIONS WHEN PROVIDED) ARE A PART OF THE CONTRACT DOCUMENTS. IF THERE IS A DISCREPANCY FOUND BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, SPECIFICATIONS TAKE PRECEDENCE, HOWEVER THE MATTER SHALL BE PROMPTLY SUBMITTED TO THE SEOR FOR CLARIFICATION, ANY WORK PERFORMED BY THE CONTRACTOR WITHOUT SUCH A CLARIFICATION SHALL BE AT CONTRACTOR'S OWN RISK AND EXPENSE.
2. EXAMINE THE STRUCTURAL DRAWINGS AND THE SPECIFICATIONS AND NOTIFY THE ENGINEER & ARCHITECT OF ANY DISCREPANCIES IN ELEVATIONS, DIMENSIONS, AND SITE CONDITIONS INCLUDING ERRORS BEFORE PROCEEDING WITH ANY WORK. OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS (AND SPECIFICATIONS) SHALL BE RESOLVED IN WRITING WITH THE ENGINEER/ARCHITECT PRIOR TO START OF WORK.
3. THE DRAWINGS (AND SPECIFICATIONS) REPRESENT THE COMPLETED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION, PROVIDE ALL MEASURES AND MEANS NECESSARY TO PROTECT PERSONS AND THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING, ETC. OBSERVATION VISITS BY THE ARCHITECT OR ENGINEER DOES NOT INCLUDE REVIEW OF THESE MEASURES.
4. TYPICAL DETAILS SHALL BE USED WHENEVER APPLICABLE WHETHER SPECIFICALLY REFERENCED OR NOT.
5. DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.
6. NO PIPES OR DUCTS SHALL BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ENGINEER & ARCHITECT.
7. REFER TO ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, UNLESS OTHERWISE NOTED.
B. SIZE AND LOCATION OF INTERIOR AND EXTERIOR NON-BEARING PARTITIONS.
C. SIZE AND LOCATION OF CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, RAMPS, CHAMBERS, GROOVES, INSERTS, ETC., EXCEPT AS SHOWN.
D. SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS, EXCEPT AS SHOWN.
E. FLOOR AND ROOF FINISHES.
F. STAIR FRAMING AND DETAILS, EXCEPT AS SHOWN.
G. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
8. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
B. ELECTRICAL CONDUITS, BOXES, OUTLETS.
C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL, AND PLUMBING FIXTURES.
D. SIZE AND LOCATION OF MACHINE AND EQUIPMENT BASES, ANCHOR BOLTS, ETC.
9. ASTM REFERENCES ARE FROM THE LATEST ISSUE AND LATEST REVISION, UNLESS NOTED OTHERWISE.
10. INVESTIGATE THE SITE DURING CLEARING AND EXCAVATION FOR UNSUITABLE CONDITIONS, UNCONSOLIDATED AND UNDOCUMENTED FILLS, BURIED STRUCTURES, UTILITIES, ETC., AND IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER OF ANY SITE CONDITIONS NOT REFLECTED ON THE DRAWINGS OR DIFFERENT FROM MAXIMUM OR MINIMUM DIMENSIONS INDICATED, INCLUDING CONFLICT IN GRADES, ADVERSE SOIL CONDITIONS, GROUNDWATER PRESENT, DEEPEEN FOOTINGS, UNCOVERED AND UNEXPECTED UTILITY LINES, ETC.
11. CONSTRUCTION MATERIALS, IF PLACED ON STRUCTURAL MEMBERS, SHALL BE SPREAD OUT SUCH THAT THE LOADING DOES NOT EXCEED THE DESIGN LIVE LOADS. PROVIDE SHORING AND BRACING WHERE CONSTRUCTION LOADING EXCEEDS THE DESIGN STRENGTH OF THE STRUCTURAL MEMBERS OR THE STRUCTURAL STRENGTH HAS NOT BEEN ATTAINED OR THE STRUCTURE IS NOT COMPLETE.
12. DETERMINE THE LOCATION OF UTILITY SERVICES IN AREAS TO BE EXCAVATED BEFORE BEGINNING EXCAVATION. EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING. DAMAGE CAUSED AS A RESULT OF FAILING TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
13. THE CAD DRAWING FILES ARE THE PROPERTY OF THE EOR AND WILL NOT BE RELEASED TO THE CONTRACTOR OR SUBCONTRACTOR FOR THEIR USE.
14. STRUCTURAL DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.

DESIGN CRITERIA:

- 1. BUILDING CODE.....2018 NORTH CAROLINA STATE BUILDING CODE
2. BUILDING CLASSIFICATION CATEGORY (TABLE 1604.5).....II
3. DESIGN LIVE LOADS:
A. ROOF.....20 PSF
B. SLAB ON GRADE.....100 PSF
4. SNOW:
A. GROUND SNOW LOAD.....10 PSF
B. FLAT ROOF SNOW LOAD.....12 PSF
C. SNOW EXPOSURE FACTOR, Ce.....1.0
D. IMPORTANCE FACTOR, Is.....1.0
E. THERMAL FACTOR, Ct.....1.0
5. WIND:
A. ULTIMATE WIND SPEED.....136 MPH
B. NOMINAL WIND SPEED.....106 MPH
C. IMPORTANCE FACTOR (UNO), Iw.....1.0
D. WIND EXPOSURE CATEGORY.....B
E. INTERNAL PRESSURE COEFFICIENT.....+/- 0.18
F. ROOF COMPONENTS AND CLADDING.....+/- 50 PSF
G. WALL COMPONENTS AND CLADDING.....+/- 40 PSF
H. ROOF OVERHANG.....+/- 60 PSF
6. SEISMIC:
A. IMPORTANCE FACTOR, Ie.....1.0
B. MAPPED SPECTRAL RESPONSE COEFFICIENT, Ss.....0.31 g
C. MAPPED ONE SECOND SPECTRAL RESPONSE COEFFICIENT, S1.....0.12 g
D. SITE CLASS.....D (ASSUMED)
E. DESIGN SPECTRAL RESPONSE COEFFICIENT, Sds.....0.32 g
F. DESIGN ONE SECOND SPECTRAL RESPONSE COEFFICIENT, Sd1.....0.19 g
G. SEISMIC DESIGN CATEGORY.....C
H. BASIC SEISMIC FORCE RESISTING SYSTEM.....STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE

FOUNDATION:

- 1. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF TO BE CONFIRMED DURING CONSTRUCTION BY GEOTECHNICAL ENGINEER.
2. GEOTECHNICAL REPORT AND ALL SUPPLEMENTAL REPORTS OR ADDENDA SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
3. FOOTING DEPTHS SHOWN ARE A MINIMUM AND MAY REQUIRE DEEPENING PER DIRECTION OF THE GEOTECHNICAL ENGINEER.
4. FOOTINGS SHALL BEAR ON FIRM UNDISTURBED OR COMPACTED SOIL PER RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
5. GEOTECHNICAL ENGINEER SHALL VERIFY IN WRITING TO THE ARCHITECT/ENGINEER THAT SITE GRADING WORK COMPLIES WITH ALL OF THE RECOMMENDATIONS AND CONCLUSIONS OF THE GEOTECHNICAL REPORT. SUBMIT COMPACTION TEST REPORTS FOR ALL FILL BY A QUALIFIED TESTING LAB TO ARCHITECT/ENGINEER BEFORE FOUNDATION PLACEMENT. ALL LOOSE SOIL AND FILL DIRT SHALL BE COMPACTED PER GEOTECHNICAL REPORT AND TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER TO A MINIMUM OF 95% MAXIMUM DENSITY.
6. THE FOOTING EXCAVATIONS SHALL BE KEPT FREE FROM LOOSE MATERIAL AND STANDING WATER AND SHALL BE NEAT AND TRUE TO LINE BEFORE ANY CONCRETE IS PLACED. EXCAVATION SHALL BE CHECKED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER TO ENSURE COMPLIANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT.
7. ALL SITE GRADING WORK SHALL BE PERFORMED UNDER THE DIRECT OBSERVATION OF THE GEOTECHNICAL ENGINEER. ANY DEVIATIONS IN SOIL CONDITIONS FROM SPECIFICALLY DESCRIBED IN THE GEOTECHNICAL REPORT ARE TO BE REPORTED TO THE ARCHITECT/ENGINEER & GEOTECHNICAL ENGINEER IMMEDIATELY.
8. UTILITY TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER.
9. ALL ABANDONED FOOTINGS, UTILITIES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REMOVED.
10. WALL FOOTINGS ARE CONTINUOUS POURED CONCRETE WITH CONTINUOUS REINFORCING PLACED 3" CLEAR OF BOTTOM AND SIDES.
11. UNLESS OTHERWISE NOTED, WALL FOOTINGS ARE CENTERED UNDER WALLS AND COLUMN FOOTINGS UNDER COLUMNS.
12. PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN ALL GRADES.
13. PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM SURFACE, GROUND, AND OR SEEPAGE WATER.

STRUCTURAL STEEL:

- 1. THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH "AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND STEEL CONSTRUCTION MANUAL, AISC 360, LATEST ADOPTED EDITION, EXCEPT AS AMENDED IN IBC CHAPTER 22.
2. THE SEISMIC DESIGN OF STEEL STRUCTURES SHALL BE IN ACCORDANCE WITH "AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS", INCLUDING ALL SUPPLEMENTS AISC 341 EXCEPT AS AMENDED IN IBC CHAPTER 22.
3. ALL CONNECTIONS SHALL BE DETAILED IN ACCORDANCE WITH LATEST EDITION OF AISC "DETAILING FOR STEEL CONSTRUCTION". DESIGN CONNECTIONS FOR HALF OF THE TOTAL UNIFORM LOAD PER AISC TABLES (UNO).
4. STEEL FURNISHED FOR STRUCTURAL LOAD-CARRYING PURPOSES SHALL BE PROPERLY IDENTIFIED FOR CONFORMITY TO THE SPECIFIED GRADES SHOWN BELOW AND IN ACCORDANCE WITH ASTM STANDARDS AND PROVISIONS OF IBC CHAPTER 22. STEEL THAT IS NOT READILY IDENTIFIABLE AS TO GRADE FROM MARKING AND TEST RECORDS SHALL BE TESTED TO DETERMINE CONFORMITY TO:
A. WIDE FLANGE ASTM F992 (Fy = 50 ksi)
B. ANGLES AND CHANNELS ASTM A36 (Fy = 36 ksi)
C. PLATES ASTM A36 (Fy = 36 ksi)
D. HSS (RECTANGULAR) ASTM A500 GRADE B (Fy = 46 ksi)
E. ANCHOR BOLTS ASTM F1554 GRADE 55
5. ALL COLUMN ENDS TO BE MILLED.
6. ALL EXTERIOR STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION. ZINC COATING SHALL CONFORM TO ASTM A123 (G-60, UNO).
7. ALL WELDING DONE AFTER GALVANIZING SHALL BE PROTECTED WITH TWO COATS OF "GALVALLOY", OR EQUAL. CONTRACTOR TO USE VENTILATION WHILE PERFORMING THIS WORK AS REQUIRED BY OSHA.
8. ALL STEEL FABRICATION SHALL BE PERFORMED IN AN APPROVED FABRICATION SHOP.
9. STEEL FABRICATOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
10. ALL METAL ITEMS, INCLUDING CONNECTORS, EXPOSED TO THE WEATHER SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
11. STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESSIVE RUST, MILL SCALE, GREASE, ETC.
12. SUBMIT SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATIONS FOR ALL STRUCTURAL STEEL MEMBERS AND ACCESSORIES. SHOP DRAWINGS SHALL INCLUDE CONNECTION DESIGN AND SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA.
13. ALL EXPOSED STRUCTURAL STEEL SHALL HAVE FINISHES PER AISC ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SPECIFICATIONS.

STEEL BAR JOISTS:

- 1. STEEL JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE STEEL JOIST INSTITUTE SPECIFICATIONS.
2. DESIGN JOISTS FOR A NET UPLIFT OF 20 PSF (ASD). PROVIDE JOISTS CAPABLE OF WITHSTANDING THE UNIFORM DESIGN LOADS INDICATED. FOR JOISTS WITH NONUNIFORM LOADS PROVIDE KCS JOISTS AS NOTED ON THE FRAMING PLANS OR SPECIAL JOISTS (SP) WITH THE LOADING DIAGRAMS, IF APPLICABLE. JOISTS SHALL HAVE VERTICAL DEFLECTION LIMITS AS FOLLOWS UNLESS NOTED OTHERWISE:
A. FLOOR MEMBERS:
a. L/360 OF THE SPAN FOR LIVE LOAD
b. L/240 OF THE SPAN FOR LIVE LOAD PLUS DEAD LOAD
B. ROOF MEMBERS:
a. L/240 OF THE SPAN FOR LIVE LOAD
b. L/180 OF THE SPAN FOR LIVE LOAD PLUS DEAD LOAD
3. ALL JOISTS SHALL BE SHOP PRIMED WITH SSPC-15 PAINT OR THE MANUFACTURER'S STANDARD SHOP PRIMER COMPLYING WITH THE PERFORMANCE REQUIREMENTS IN SSPC-PAINT 15. CONFIRM COLORS WITH THE ARCHITECTURAL DRAWINGS. DO NOT PAINT OR PRIME WHEN JOISTS ARE TO RECEIVE SPRAYED-ON FIRE-PROOFING.
4. PROVIDE K-SERIES AND KCS-TYPE K-SERIES STEEL JOISTS AS INDICATED ON THE FRAMING PLANS. JOISTS SHALL BE MANUFACTURED PER SJI'S "SPECIFICATIONS". JOISTS SHALL HAVE UNDERSLUNG ENDS AND A PARALLEL TOP CHORD, UNLESS OTHERWISE NOTED.
5. EXTEND TOP CHORDS OF JOISTS AS NOTED ON THE FRAMING PLANS. PROVIDE TYPE R EXTENSIONS, COMPLYING WITH SJI'S "SPECIFICATIONS" UNLESS NOTED OTHERWISE.
6. CAMBER JOISTS ACCORDING SJI'S "SPECIFICATIONS" UNLESS NOTED OTHERWISE.
7. EQUIP BEARING ENDS OF JOISTS WITH MANUFACTURER'S STANDARD BEVELED ENDS OR SLOPE SHOES IF SLOPE EXCEEDS 1/4 INCH PER 12 INCHES.
8. DO NOT INSTALL JOISTS UNTIL SUPPORTING CONSTRUCTION IS IN PLACE AND SECURED. INSTALL JOISTS AND ACCESSORIES PLUMB, SQUARE, AND TRUE TO LINE; SECURELY FASTEN TO SUPPORTING CONSTRUCTION ACCORDING TO SJI'S "SPECIFICATIONS". JOIST MANUFACTURER'S WRITTEN RECOMMENDATIONS AND THE REQUIREMENTS BELOW.
9. FIELD WELD JOISTS TO SUPPORTING STEEL BEARING PLATES AND FRAMEWORK. COORDINATE WELDING SEQUENCE AND PROCEDURE WITH PLACEMENT OF JOISTS. COMPLY WITH AWS REQUIREMENTS AND PROCEDURES FOR WELDING. APPEARANCE AND QUALITY OF WELDS, AND METHODS USED IN CORRECTING WELDING WORK, JOISTS SHALL BE WELDED TO THEIR SUPPORTS WITH 1-1/2" FILLET WELD FOR EACH SIDE OF JOIST UNLESS OTHERWISE NOTED.
10. INSTALL AND CONNECT BRIDGING ACCORDING TO SJI'S "SPECIFICATIONS". BRIDGING SHALL BE INSTALLED CONCURRENTLY WITH JOIST ERECTION, BEFORE CONSTRUCTION LOADS ARE APPLIED. ANCHOR ENDS OF BRIDGING LINE AT TOP AND BOTTOM CHORDS IF TERMINATING AT WALLS OR BEAMS. FURNISH ADDITIONAL ERECTION BRIDGING IF REQUIRED FOR STABILITY.
11. JOIST MANUFACTURER MUST CHECK THE JOIST SYSTEM FOR AN UPLIFT PRESSURE AS NOTED ON THE UPLIFT DIAGRAM AND PROVIDE BRIDGING AS REQUIRED TO ADEQUATELY BRACE THE BOTTOM CHORD AGAINST LATERAL MOVEMENT.
12. FOLLOW THE TESTING AND INSPECTION REQUIREMENTS IN THE "STRUCTURAL STEEL" SECTION OF THESE SPECIFICATIONS.

CONCRETE:

- 1. CEMENT SHALL CONFORM TO ASTM C150, TYPE I / II.
2. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C644, 1-1/2" MAXIMUM SIZE.
3. ADMIXTURES MAY NOT BE USED WITHOUT PRIOR APPROVAL OF THE ENGINEER. ADMIXTURES USED TO INCREASE THE WORKABILITY OF THE CONCRETE SHALL NOT REDUCE THE STRENGTH OF CONCRETE. FLY ASH (POZZOLAN) IF PERMITTED BY SPECIFICATIONS SHALL NOT EXCEED 25% FOR SLAB ON GRADE AND 35% FOR ALL OTHER CONCRETE.
4. THE MIX DESIGN, INCLUDING PROPORTIONS OF MATERIALS FOR A ONE YARD BATCH, SHALL BE SUBMITTED TO THE ENGINEER OF RECORD & ARCHITECT FOR REVIEW PRIOR TO ORDERING CONCRETE.
5. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C94.
6. ALL REINFORCING BARS AND INSERTS SHALL BE SECURED IN PLACE PRIOR TO PLACING CONCRETE.
7. CONDUITS EMBEDDED HORIZONTALLY IN THE SLAB SHALL HAVE AN OUTSIDE DIAMETER NO GREATER THAN 1/4 THE THICKNESS OF THE SLAB. CONDUIT SHALL NOT BE EMBEDDED IN A SLAB THAT IS LESS THAN 4 1/2" THICK, EXCEPT FOR LOCAL OFFSETS, MINIMUM CLEAR DISTANCE BETWEEN CONDUITS SHALL BE 6".
8. NON-STRUCTURAL STEEL MEMBERS EMBEDDED IN CONCRETE SHALL BE GALVANIZED OR PAINTED. ALL DAMAGED GALVANIZED AREAS SHALL BE REPAIRED PRIOR TO EMBEDMENT.
9. ALL NORMAL WEIGHT CONCRETE SHALL HAVE A MAXIMUM DRY DENSITY OF 150 pcf. ALL LOW WEIGHT CONCRETE TO HAVE MAXIMUM DENSITY OF 115 pcf.
10. MINIMUM CONCRETE COMPRESSIVE STRENGTHS AT 28 DAYS:
A. INTERIOR SLAB ON GRADE: f'c (MIN.) = 3,000 psi
B. FOOTINGS & ALL OTHER CONCRETE: f'c (MIN.) = 3,000 psi
11. PROVIDE CONSTRUCTION OR CONTROL JOINTS IN SLAB ON GRADE AS SHOWN ON PLANS UNLESS SPECIFIED OTHERWISE. LOCATION OF JOINTS NOT SPECIFICALLY INDICATED SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER & ARCHITECT PRIOR TO PLACING REINFORCING STEEL.
12. DRY PACK SHALL BE ONE PART CEMENT AND 2 3/4 PARTS SAND WITH JUST ENOUGH WATER TO HYDRATE CEMENT AND FORM A BALL SHOWING MOISTURE ON THE SURFACE. WHEN SQUEEZED, IT SHALL BE RAMMED IN TIGHT TO MAXIMUM DENSITY ATTAINABLE, AND SHALL BE FROM A PRODUCT THAT SPECIFIES A MINIMUM STRENGTH AT 28 DAYS OF 5000 psi.
13. NON-SHRINK GROUT SHALL BE FROM A PRODUCT THAT SPECIFIES A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 7,000 psi PER ASTM C109. GROUTING OF BASE PLATES PRIOR TO PLUMBING OF COLUMN IS NOT PERMITTED.
14. PROJECTING CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4" CHAMFER OR TOOLED EDGE, UNLESS OTHERWISE NOTED.
15. ALL CONCRETE WHICH DURING THE LIFE OF THE STRUCTURE WILL BE SUBJECT TO FREEZING TEMPERATURES WHILE WET, SHALL HAVE A WATER-CEMENT RATIO NOT EXCEEDING 0.45 BY WEIGHT AND SHALL CONTAIN ENTRAINED AIR PER ACI 614. SUCH CONCRETE SHALL INCLUDE EXTERIOR SLABS, PERIMETER FOUNDATIONS, EXTERIOR CURBS, ETC.

REINFORCING STEEL:

- 1. DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 415-LATEST ADOPTED EDITION.
2. ALL REINFORCING SHALL BE ADEQUATELY SUPPORTED TO PREVENT DISPLACEMENT BY CONCRETE PLACEMENT OR WORKERS.
3. ALL REINFORCING BARS EXCEPT BARS TO BE WELDED SHALL CONFORM TO THE "STANDARD SPECIFICATION FOR DEFORMED BILLET STEEL BARS FOR CONCRETE REINFORCEMENT", ASTM A615 GRADE 60. BARS TO BE WELDED SHALL CONFORM TO ASTM A706.
4. WELDING OF REINFORCING BARS TO BE IN ACCORDANCE WITH "STRUCTURAL WELDING CODE-REINFORCING STEEL", AWS D1.4. REINFORCING STEEL TO BE WELDED SHALL HAVE A MAXIMUM CARBON EQUIVALENT (CE) OF 0.75. SPECIAL INSPECTION IS REQUIRED. TESTING IS REQUIRED FOR ALL WELDS THICKER THAN 5/16". USE ASTM A706 WELDABLE REBAR.
5. WHERE CONTINUOUS BARS ARE CALLED OUT IN FOOTINGS, SPLICES MAY BE USED. WHERE BARS ARE SHOWN SPLICED, THEY MAY RUN CONTINUOUS AT CONTRACTOR'S OPTION.
6. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
7. UNLESS OTHERWISE SHOWN, WALL VERTICAL REINFORCING SHALL BE POSITIONED AT THE CENTER OF THE WALL.
8. DOWELS BETWEEN FOOTINGS AND WALLS SHALL BE THE SAME GRADE, SIZE, AND SPACING AS VERTICAL REINFORCING UNLESS NOTED OTHERWISE.
9. ALL REINFORCING BARS SHALL BE PROVIDED WITH THE FOLLOWING CONCRETE COVER:
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER:
a. NO 6 THROUGH NO. 18 BAR.....2"
b. NO 5 BAR, W#1 OR D#1 WIRE AND SMALLER.....1 1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND (SLABS, WALLS, JOISTS):
a. NO 14 AND NO. 18 BAR.....1 1/2"
b. NO 11 BAR AND SMALLER.....3/4"
10. SLAB ON GRADE REINFORCING SHALL BE PROVIDED WITH THE FOLLOWING:
11. SHOP DRAWINGS FOR SIZE AND LAYOUT OF REINFORCING REBAR ARE REQUIRED.

UNIT MASONRY ASSEMBLIES:

- 1. CONCRETE MASONRY UNITS (CMU) SHALL BE ERECTED AS LOAD BEARING CONCRETE MASONRY. COMPLY WITH ACI 530.1 "SPECIFICATION FOR MASONRY STRUCTURES" FOR MATERIALS, METHODS, AND WORKMANSHIP AND ERECTION TOLERANCES.
2. PROVIDE CONCRETE MASONRY UNIT (MIN 1900 PSI) SO THAT CMU ASSEMBLIES DEVELOPS A MINIMUM NET-AREA COMPRESSIVE STRENGTH (FM) OF 1500 PSI AT 28 DAYS AND AS FOLLOWS:
A. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 WITH A MINIMUM AVERAGE NET-AREA COMPRESSIVE STRENGTH OF 1900 PSI
B. WEIGHT CLASSIFICATION: NORMAL WEIGHT, UNLESS OTHERWISE NOTED
C. SIZE: MANUFACTURED TO DIMENSIONS 3/8" LESS THAN NOMINAL DIMENSIONS
3. BRICK MASONRY ON THIS PROJECT THAT IS A NON-STRUCTURAL VENEER, REFER TO ARCHITECTURAL PLAN AND SPECS FOR ALL MASONRY VENEER REQUIREMENTS, INCLUDING BUT NOT LIMITED TO: FLASHING REQUIREMENTS, COURSING, CORBELING REQUIREMENTS, EXPANSION/CONTROL JOINT REQUIREMENTS AND SPACING AND WEEP LOCATION AND SPACING.
4. PROVIDE MORTAR AND GROUT MATERIALS AS INDICATED ON THE DRAWINGS AND CONFORMING TO THE REQUIREMENTS LISTED BELOW. ALL CELLS CONTAINING REINFORCEMENT, CELLS BELOW GRADE, AND ANY LOCATIONS NOTED ON THE DRAWINGS SHALL BE GROUTED SOLID. DO NOT USE ADMIXTURES, INCLUDING AIR-ENTRAINING AGENTS, ACCELERATORS, RETARDERS, WATER-REPELLENT AGENT, ANTIFREEZE COMPOUNDS, OR OTHER ADMIXTURES UNLESS OTHERWISE NOTED. DO NOT USE CALCIUM CHLORIDE IN MORTAR OR GROUT.
A. MORTAR FOR MASONRY ASSEMBLIES SHALL BE TYPE S, CONFORMING TO ASTM C270
B. GROUT FOR UNIT MASONRY SHALL BE FINE GROUT CONFORMING TO ASTM C476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH (FM) OF 2000 PSI. GROUT SHALL HAVE A SLUMP OF 8 TO 11 INCHES AS MEASURED ACCORDING TO ASTM C143, COMPLY WITH TABLE 1.15.1 IN ACI 530.1 FOR DIMENSIONS OF GROUT SPACES AND POUR HEIGHT

ADHESIVE, ANCHOR RODS AND REBAR IN HARDENED CONCRETE (EPOXY ANCHORS):

- 1. ALL ADHESIVE ANCHOR INSTALLATIONS SHALL COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND SPECIFICATIONS, INCLUDING ANY ICC-ES REPORTS.
2. DUST SHALL BE BLOWN FROM THE HOLE WITH COMPRESSED AIR TO ENSURE PROPER ANCHOR SEATING DEPTH AND TO PROVIDE A CLEAN BONDING SURFACE. ADDITIONALLY, THE HOLE SHALL BE BRUSHED WITH A NYLON BRUSH THEN BLOWN AGAIN WITH COMPRESSED AIR.
3. ADHESIVE SHALL ONLY BE APPLIED TO DRY SURFACES.
4. BASE MATERIAL TEMPERATURE MUST BE 40°F OR ABOVE AT TIME OF INSTALLATION. FOR BEST RESULTS, MATERIAL SHOULD BE 70°F-80°F.
5. WHEN INSTALLING EPOXY ANCHORS INTO MASONRY, ANCHORS SHALL BE INSTALLED IN SOLID GROUTED CELLS ONLY.
6. CHEMICAL ANCHOR SYSTEMS:
A. CONCRETE: USE ONLY ADHESIVE ANCHOR SYSTEMS THAT HAVE BEEN ISSUED AN ICC-ES REPORT IN ACCORDANCE WITH PROVISIONS OF ICC-ES AC308. ANCHOR SYSTEM SHOULD BE APPROVED FOR USE IN CRACKED CONCRETE AND SEISMIC DESIGN CATEGORIES A-F PER SECTION 2.0 OF THE ICC-ES EVALUATION SERVICES REPORT. ANCHOR SYSTEM SHALL BE INSTALLED PER REQUIREMENTS OF THE ICC-ES EVALUATION SERVICES REPORT FOR SPECIFIC ANCHOR, AND AS REQUIRED BY THE MANUFACTURER.
7. ALL ANCHOR RODS SHALL BE ASTM 136 THREADED RODS WITH ASTM A563 GRADE NUTS AND ANSI B18.22.1 TYPE A WASHERS, UNLESS OTHERWISE NOTED. ANCHORS DESIGNATED AS ASTM A193 GRADE B7 THREADED RODS SHALL USE ASTM A563 GRADE D4 HEAVY HEX NUTS AND ASTM F436 WASHERS.
8. REINFORCEMENT BARS: ASTM A615 GRADE 60 STEEL.
9. REMOVED GREASE, OIL, RUST AND ANY OTHER LAITANCE FROM RODS AND NUTS PRIOR TO INSTALLATION.
10. SPECIAL INSPECTION REQUIREMENTS WILL BE DICTATED BY SECTION 4.0 OF THE ICC-ES EVALUATION SERVICES REPORT. ANY SPECIAL INSPECTION SHALL VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACINGS, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT, AND TIGHTENING TORQUE.
11. CONTRACTOR'S OPTION TO USE OTHER MANUFACTURER'S PRODUCTS ONLY WITH PRIOR APPROVAL OF THE ENGINEER & ARCHITECT. SUBMIT MANUFACTURER'S LITERATURE AND PRODUCT INSTALLATION FOR REVIEW.

STRUCTURAL WOOD:

- 1. STRUCTURAL WOOD SHALL BE MINIMUM SPRUCE-PINE-FIR #2. ALL STRUCTURAL WOOD SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%, UNLESS NOTED OTHERWISE.
2. ALL WOOD MEMBERS AND DECKING PERMANENTLY EXPOSED TO WEATHER, SILL PLATES, OR ANY WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE WEATHER RESISTANT TREATED.
3. WOOD MEMBERS SHALL NOT BE CUT FOR PLUMBING OR WIRING UNLESS DETAILED ON THE APPROVED SHOP DRAWINGS.
4. FABRICATION AND ERECTION OF WOOD TRUSSES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF A&R&P'S NATIONAL DESIGN SPECIFICATION FOR TRUSS MANUFACTURER SHALL FURNISH SHOP DRAWINGS AND DESIGN CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN NORTH CAROLINA. SHOP DRAWINGS SHALL INDICATE TRUSS END REACTIONS FOR CONNECTION VERIFICATION BY STRUCTURAL-ENGINEER-OF-RECORD.
5. LAMINATED VENEER LUMBER (LVL) SHALL BE MICROLAM LVL OR EQUIVALENT AND SHALL HAVE THE FOLLOWING MINIMUM MATERIAL PROPERTIES
A. FLEXURAL STRENGTH, Fb = 2,600 psi
B. MODULUS OF ELASTICITY, E = 2,000 ksi

STRUCTURAL METAL STUDS:

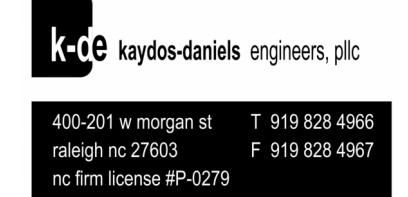
- 1. STRUCTURAL METAL STUDS SHALL BE COLD-FORMED AND SHALL BE OF MINIMUM SIZE AND GAGE AS SHOWN ON PLANS - FINAL DESIGN PER DELEGATED DESIGN ENGINEER.
2. ALL METAL STUDS SHALL HAVE MINIMUM 1 5/8" FLANGES AND 50 ksi YIELD STRESS, UNLESS NOTED OTHERWISE.
3. METAL STUDS FOR ROOF OVER-BUILD AREAS SHALL BE 3 5/8", 20 GAGE, UNLESS NOTED OTHERWISE.
4. METAL STUD MEMBERS SHALL NOT BE CUT FOR PLUMBING OR WIRING UNLESS DETAILED ON THE APPROVED SHOP DRAWINGS.

DEFERRED SUBMITTALS:

- 1. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED BY THE ARCHITECT OR ENGINEER OF RECORD AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING.
A. STRUCTURAL STEEL SHOP DRAWINGS AND CONNECTION DESIGN
B. STAIRS AND STAIR CONNECTIONS TO BUILDING/WALLS
C. LADDERS, GUARDRAILS, HANDRAILS AND THEIR COMPONENTS
D. SUPPORT ANCHORAGE OF MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT AND COMPONENTS
E. COLD-FORMED FRAMING /METAL STUDS CALCULATIONS AND SHOP DRAWINGS INCLUDING LAYOUT, TYPICAL CONSTRUCTION DETAILS, AND CONNECTIONS (ITEMS SHOWN IN PLANS ARE MINIMUM SIZES REQUIRED)
F. SLAB ON GRADE CONTROL JOINT PLAN (PE SEAL NOT REQUIRED FOR THIS ITEM)
2. THE ABOVE LISTED SUBMITTAL DOCUMENTS SHALL BE STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NORTH CAROLINA.



109 Conardwood Road, Rocky Mount, NC 27804 (P) 252.237.2500
305 W. Martin Street, Raleigh, NC 27601



400-201 W. Morgan St. Raleigh, NC 27603
Tel: 919.228.4566 Fax: 919.228.4967
File: 2024-07-02-0272

PROVALUS CITY OF WHITEVILLE ADDRESS: (121 W COLUMBUS ST, WHITEVILLE, NC)

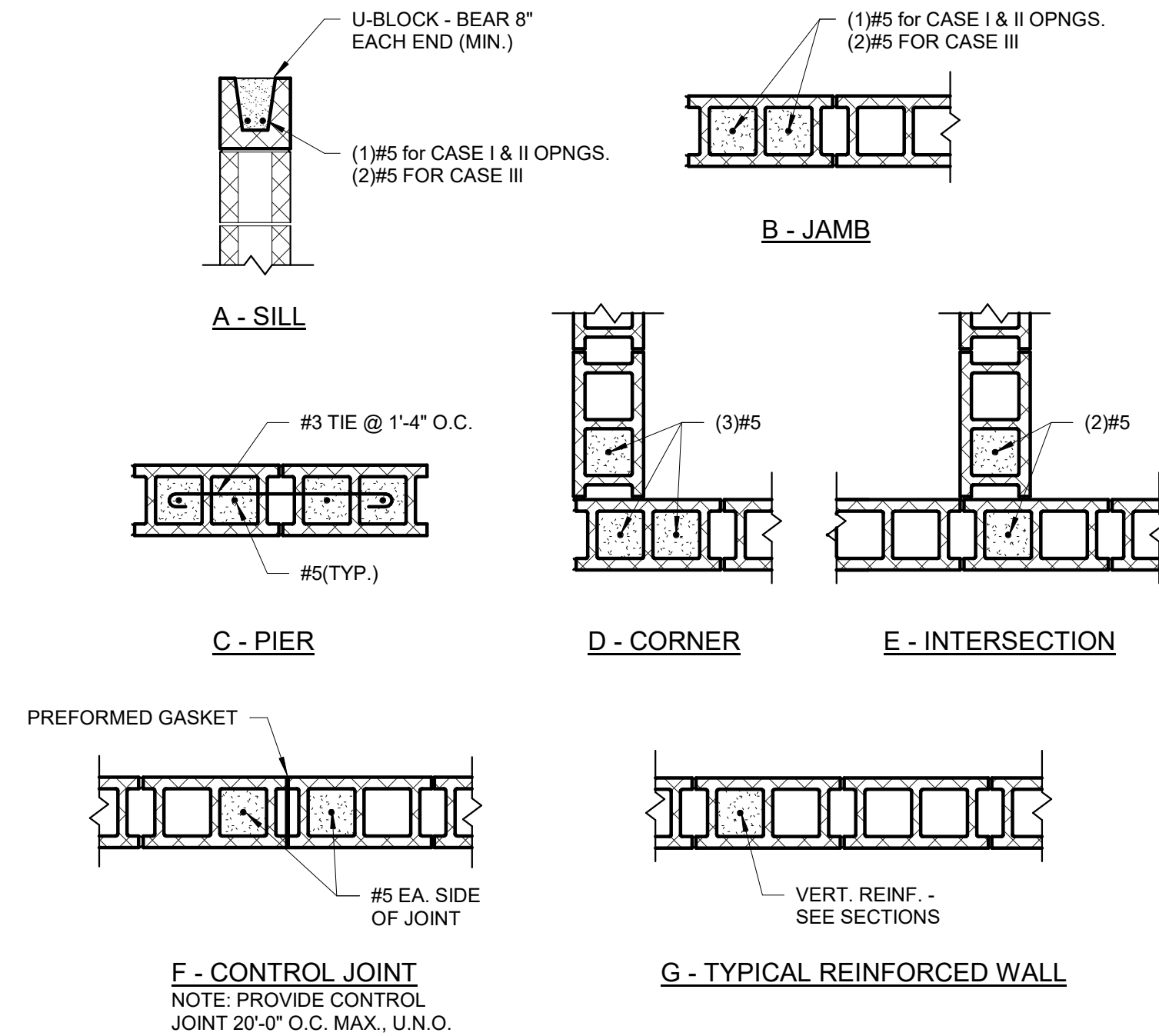
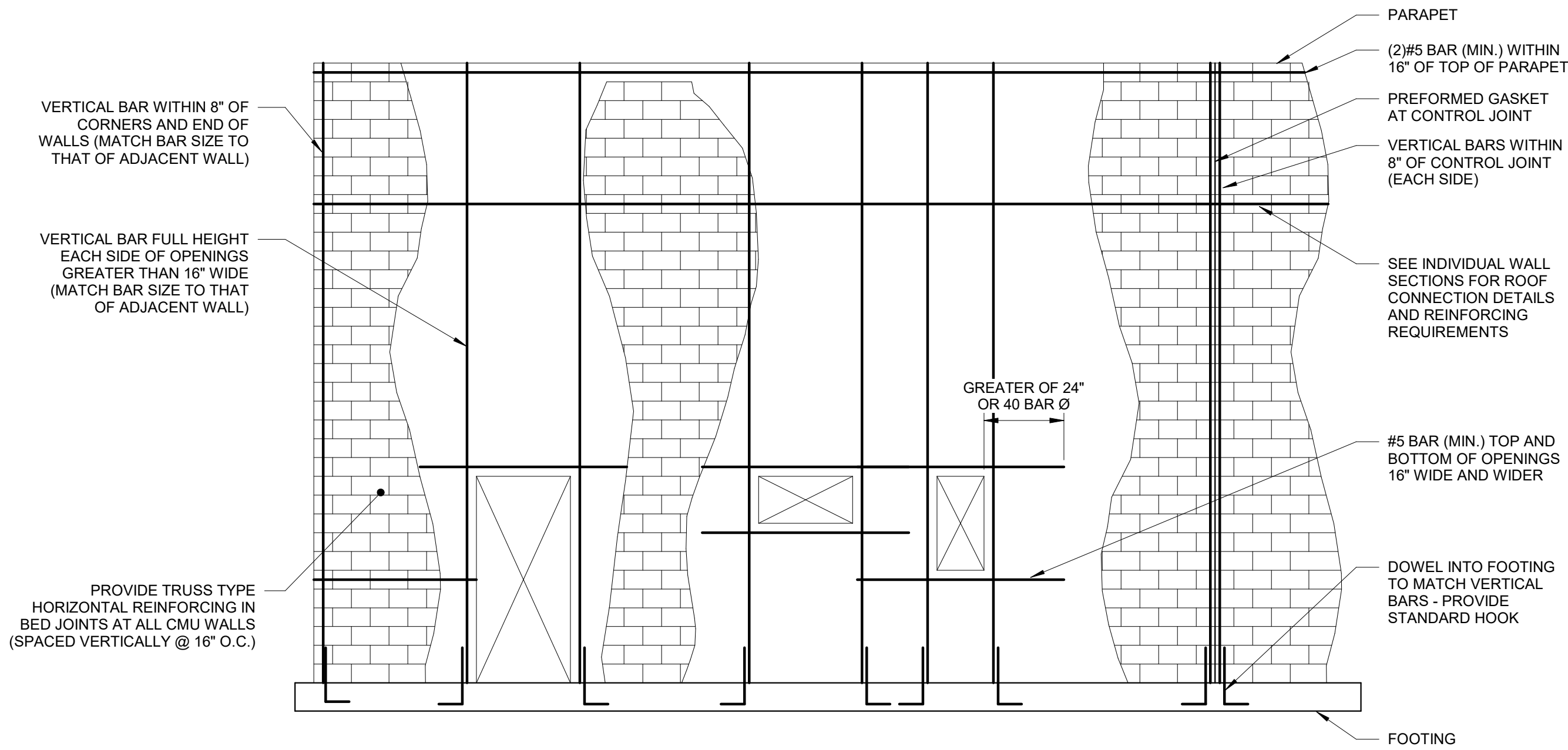


PRELIMINARY NOT FOR CONSTRUCTION

GENERAL NOTE: Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Table with 2 columns: Description, Date. Includes a row for 'Revisions' and a row for 'Date' (10/08/2024) and 'Project No.' (24117).

Sheet Title: GENERAL NOTES



- GENERAL MASONRY NOTES:**
- REINFORCING SHOWN IS A MINIMUM REQUIREMENT. INDIVIDUAL WALL SECTION REINFORCING REQUIREMENTS (SUCH AS NUMBER OR SIZE OF BARS) SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS SHOWN HEREIN. SEE INDIVIDUAL WALL SECTIONS AND SCHEDULES FOR VERTICAL REINFORCING REQUIREMENTS.
 - ALL DISCONTINUOUS REINFORCEMENT SHALL BE LAPPED PER SCHEDULE.
 - VERTICAL STEEL MUST BE SECURED IN PLACE BEFORE BLOCKS ARE LAID. ALL VERTICAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH MASONRY LINTELS AND BOND BEAM UNO.
 - AT OPENINGS WHERE STEEL BEAM LINTELS ARE PROVIDED, REINFORCE THE JAMB CELL TO THE BEARING ELEVATION OF THE LINTEL AND REINFORCE THE NEXT ADJACENT CELL PAST THE END OF THE BEAM FULL HEIGHT AS SHOWN IN THIS DETAIL.
 - DETAIL DOES NOT APPLY TO INTERIOR NON-LOAD BEARING PARTITION WALLS.
 - PROVIDE MINIMUM (2) LEGS OF W17 HORIZONTAL JOINT REINFORCING AT 16" O.C. ALL GROUT SHALL BE 3000 PSI PEA GRAVEL GROUT IN MAXIMUM 4'-0" LIFTS.

LAP SPLICE SCHEDULE

BAR SIZE	LAP (in.)				
	4" CMU	6" CMU	8" CMU	10" CMU	12" CMU
#3	17	15	15	15	15
#4	32	20	20	20	20
#5	N/A	31	25	25	25
#6	N/A	60	43	39	39
#7	N/A	N/A	59	46	46
#8	N/A	N/A	91	70	60

NOTE: THESE DETAILS APPLY TO ALL REINFORCED CMU WALLS. REFER TO SECTIONS & PLANS FOR EXTENT OF REINFORCED CMU.

- CMU GROUTING NOTES:**
- CONTACT SPECIAL INSPECTOR IF REQUIRED ON JOB.
 - CONTACT ARCHITECT AND INSPECTOR 24 HOURS BEFORE PLACING GROUT FOR AN INSPECTION OF THE WORK.
 - CONTRACTOR SHALL PROVIDE MATERIALS AND PERFORM ALL GROUTING WORK IN ACCORDANCE WITH ACI 530.1.

- PREPARATION:**
- THOROUGHLY CLEAN EACH CMU CELL TO BE GROUTED BY RODDING TO REMOVE ALL DELETERIOUS MATERIAL AND DEBRIS.
 - PROVIDE CLEANOUTS AT THE BASE OF WALL BY REMOVING THE FACE SHELL OF UNITS AT EACH CORE TO BE GROUTED. CLEANOUTS SHALL BE NO SMALLER THAN 5" x 5" WHERE CORES ARE TO BE GROUTED AT 8" ON CENTER. PROVIDE CLEANOUTS AT 1'-4" O.C.
 - AFTER CLEANING, CLOSE CLEANOUTS WITH CLOSURES BRACED TO RESIST GROUT PRESSURE. PLACE REINFORCEMENT PRIOR TO GROUTING.

- PLACEMENT:**
- GROUT MAY BE PLACED BY PUMPING, OR POURING FROM LARGE OR SMALL BUCKETS.
 - PLACE GROUT IN LIFTS THAT SHOULD NOT EXCEED 4 FEET HIGH.
 - THE NEXT LIFT MAY BE PLACED AFTER WATER FROM THE GROUT BELOW IS ABSORBED BY MASONRY UNITS.
 - CONSOLIDATE EACH 4 FOOT LIFT WITH LOW VELOCITY VIBRATOR WITH A 3/4" HEAD. THE VIBRATOR SHALL BE PLACED AT MID HEIGHT OF THE LIFT IN EACH GROUTED CORE AND SHALL BE ACTIVATED FOR ONE OR TWO SECONDS ONLY.

PIER REINFORCING

CMU THICKNESS	W	REINFORCING
8"	LESS THAN 24"	GROUT SOLID - DETAIL C
	GREATER THAN 24"	TYPICAL WALL REINF.
12"	LESS THAN 40"	GROUT SOLID - DETAIL C
	GREATER THAN 40"	TYPICAL WALL REINF.

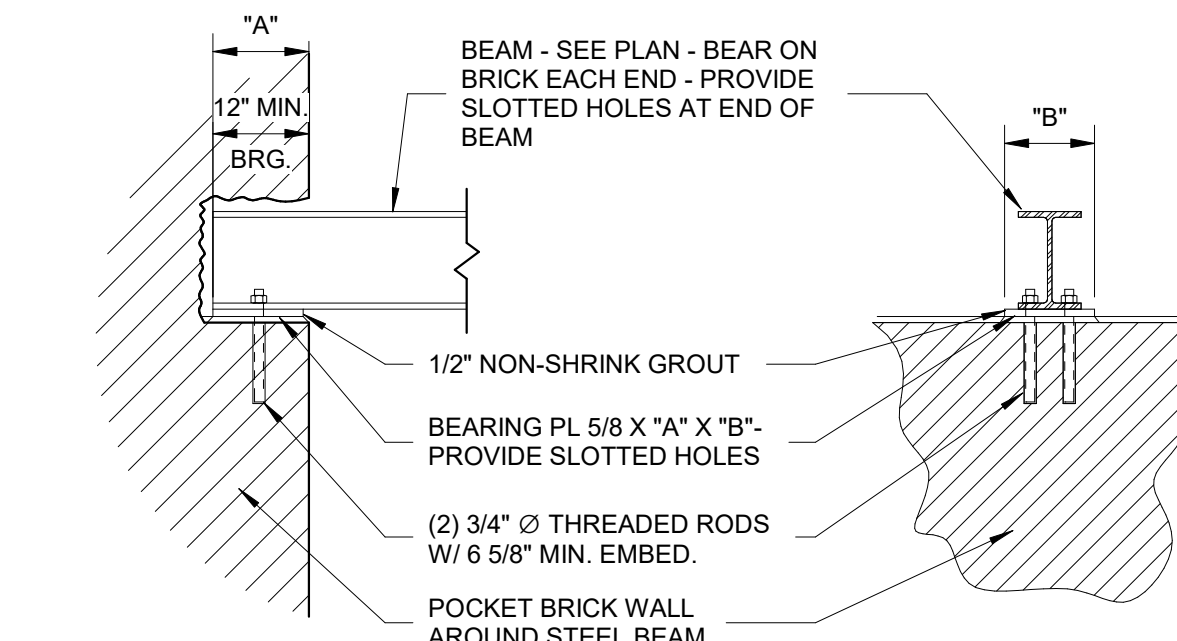
4 REINFORCED CMU WALL ELEVATION & REINFORCING DETAILS
S0.2 3/4" = 1'-0"

NON-LOAD BEARING MASONRY LINTEL SCHEDULE

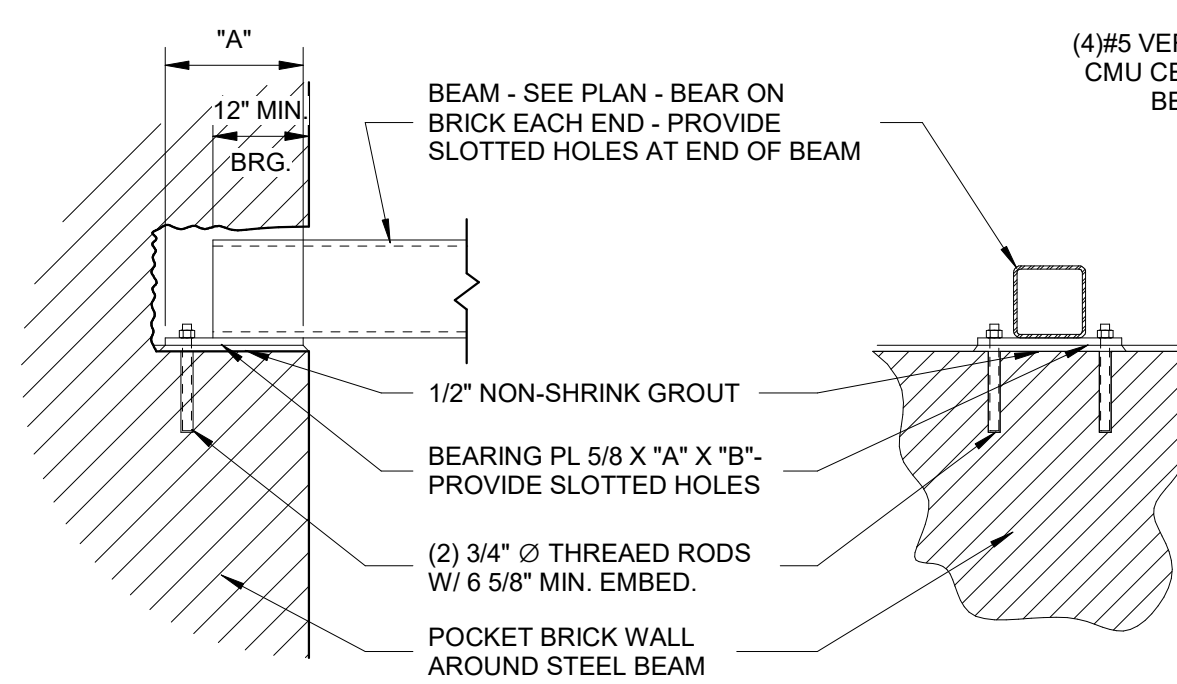
WALL TYPE	MASONRY OPENING (M.O.)	TYPE	SIZE	REMARKS
4" BRICK OR 4" CMU	M.O. ≤ 8'-0"		L6x4x3/8	NOTE 5
	8'-0" < M.O. ≤ 10'-0"		L8x4x7/16	
8" CMU	M.O. ≤ 6'-0"		8" X 8" W/ (2)#5	
	6'-0" < M.O. ≤ 12'-0"		8" X 16" W/ (2)#6	
12" CMU	M.O. ≤ 6'-0"		12" X 8" W/ (2)#5	
	6'-0" < M.O. ≤ 12'-0"		12" X 16" W/ (2)#6	

- NOTES:**
- PROVIDE LINTELS AS SHOWN UNLESS NOTED OTHERWISE ON PLANS, SECTIONS, OR DETAILS FOR ALL OPENINGS WIDER THAN 1'-0"
 - SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF REQUIRED LINTELS.
 - BEAR MASONRY LINTELS MINIMUM 8" EACH END.
 - FOR OPENINGS 6'-0" TO 12'-0", THE W8 BEAM BEARS ON MAONRY MINIMUM 8" EACH END. REFER TO STEEL BEAM BEARING ON MASONRY WALL DETAIL FOR BEARING PLATES & ANCHOR BOLTS REQUIRED EACH END.
 - CMU OR METAL STUD BACK-UP WALL.

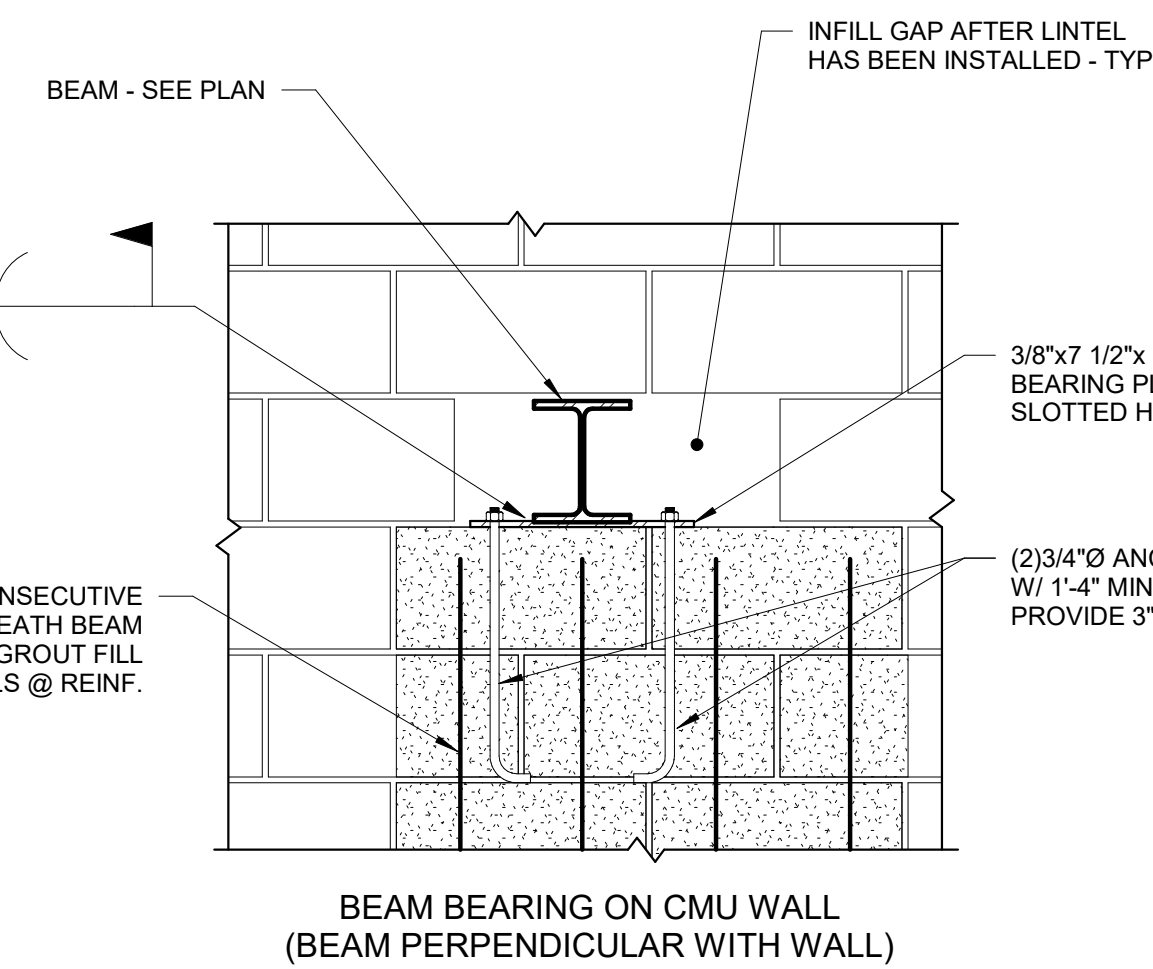
3 NON-LOAD BEARING MASONRY LINTELS
S0.2 3/4" = 1'-0"



STEEL BEAM BEARING ON MULTI-WYTHE BRICK WALL

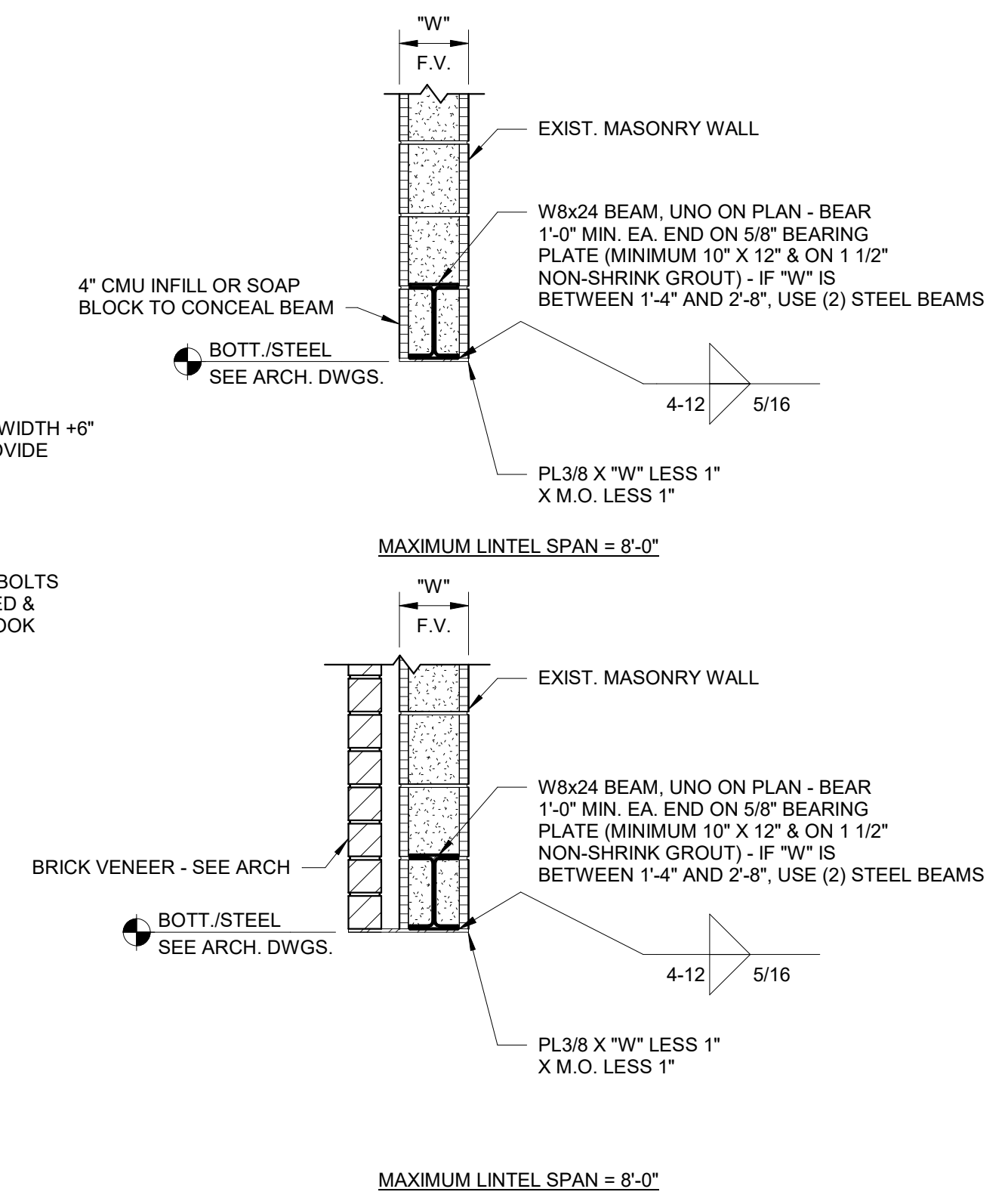


STEEL BEAM BEARING ON MULTI-WYTHE BRICK WALL



LINTEL BEARING PLATES NOT REQUIRED AT MASONRY OPENING LESS THAN 3'-6"

2 STEEL BEAM BEARING ON MASONRY WALL
S0.2 3/4" = 1'-0"



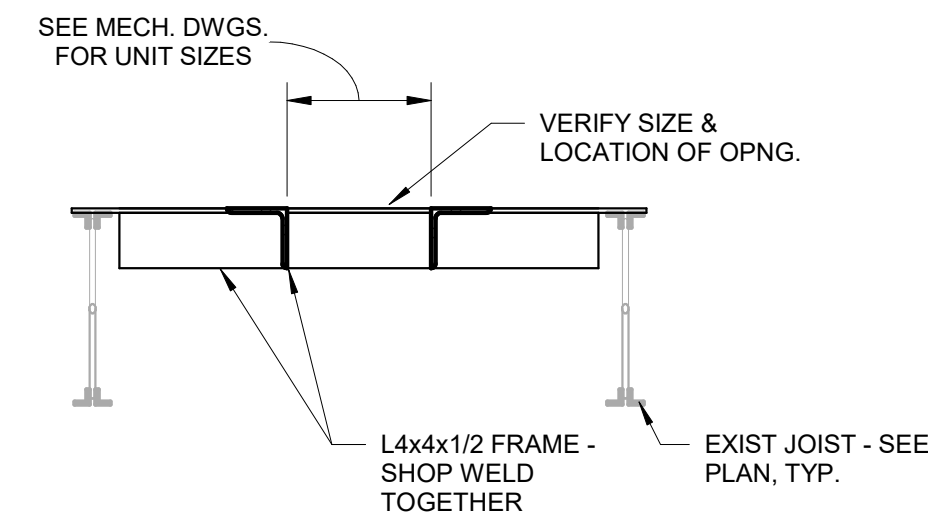
1 TYPICAL LINTEL DETAIL
S0.2 3/4" = 1'-0"

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

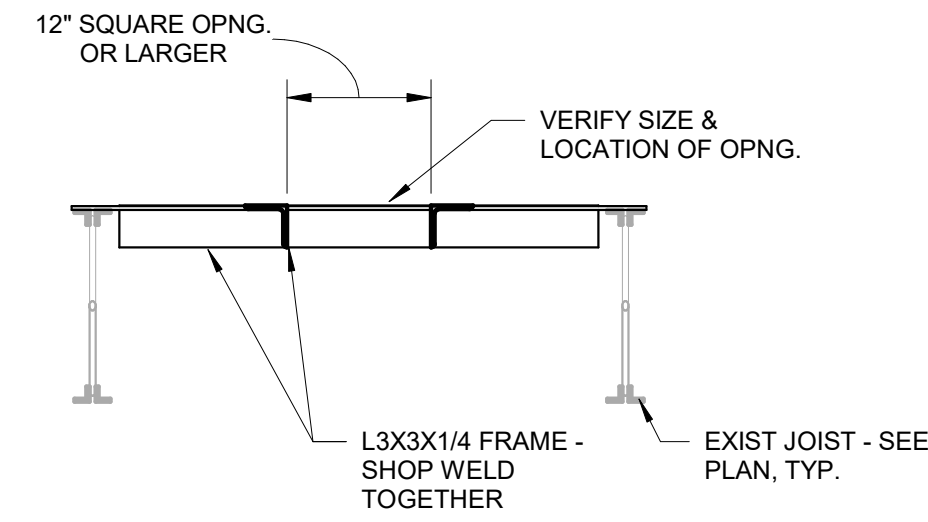
Revisions	Description	Date

Date	Project No.
10/08/2024	24117
Drawn By	Sheet No.
TH	S0.2
Checked By	
AW	

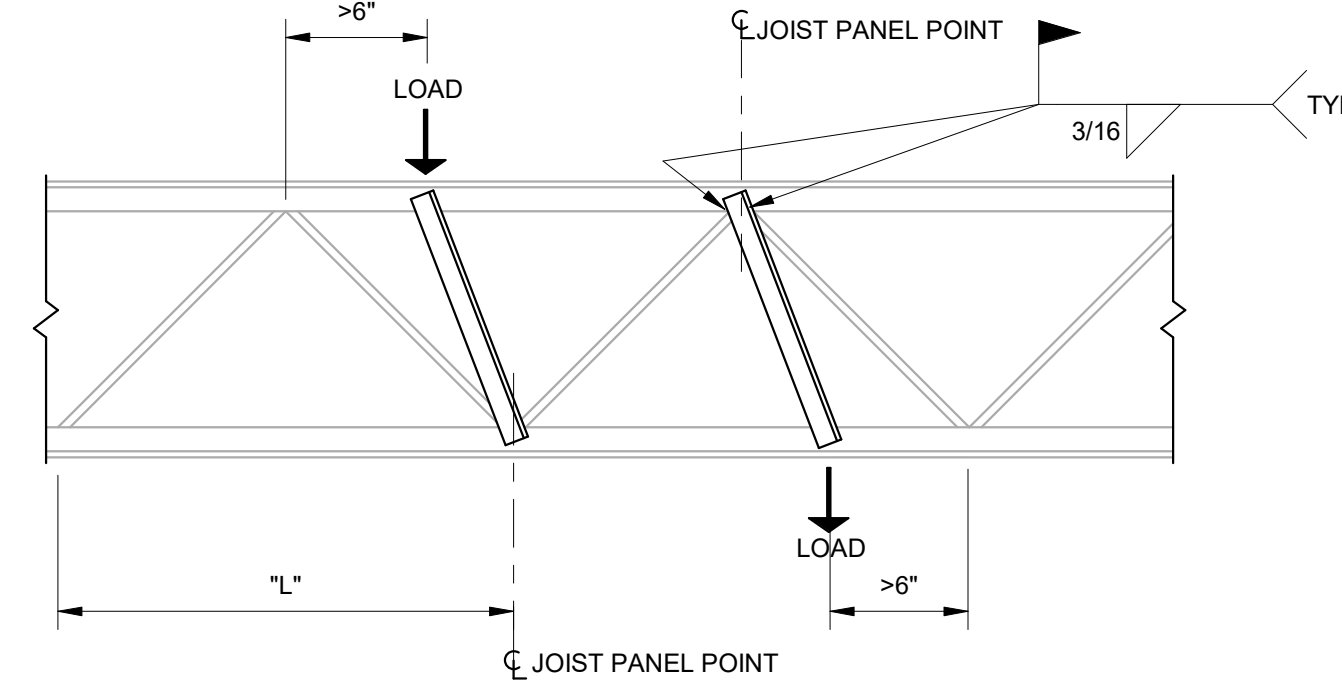
Sheet Title
TYPICAL DETAILS



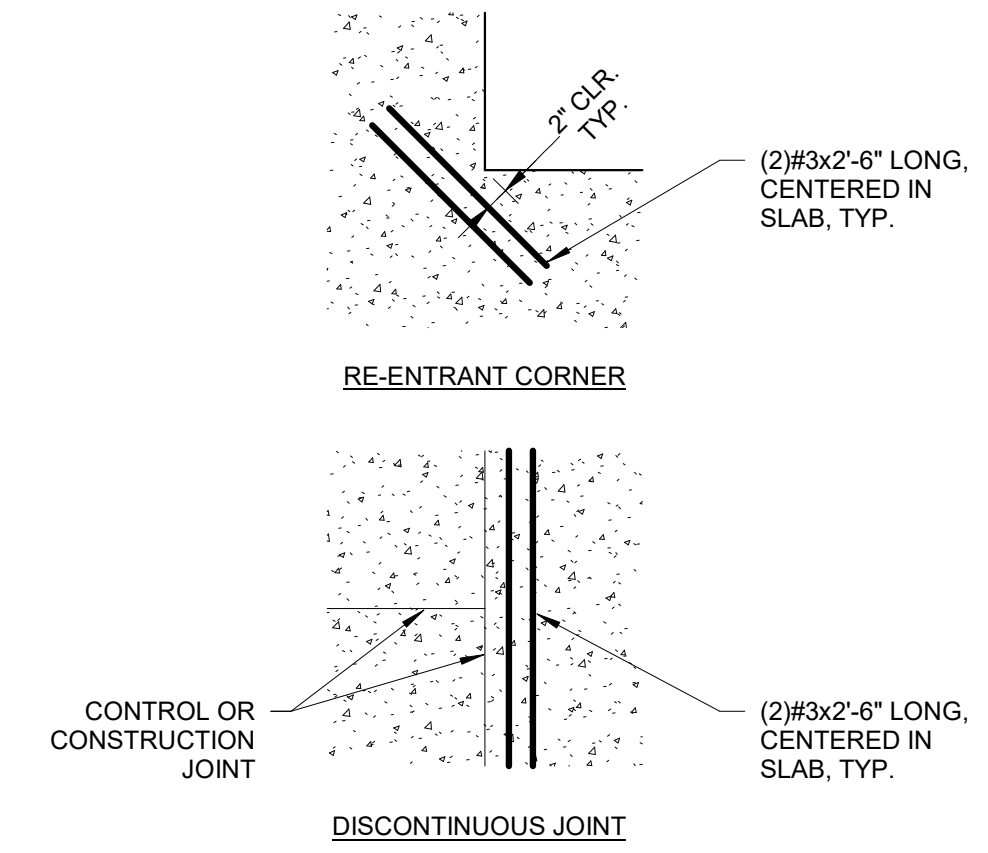
1 DETAIL
S0.3 ROOF OPENING @ RTU (MAX 2,700 LBS)
NTS



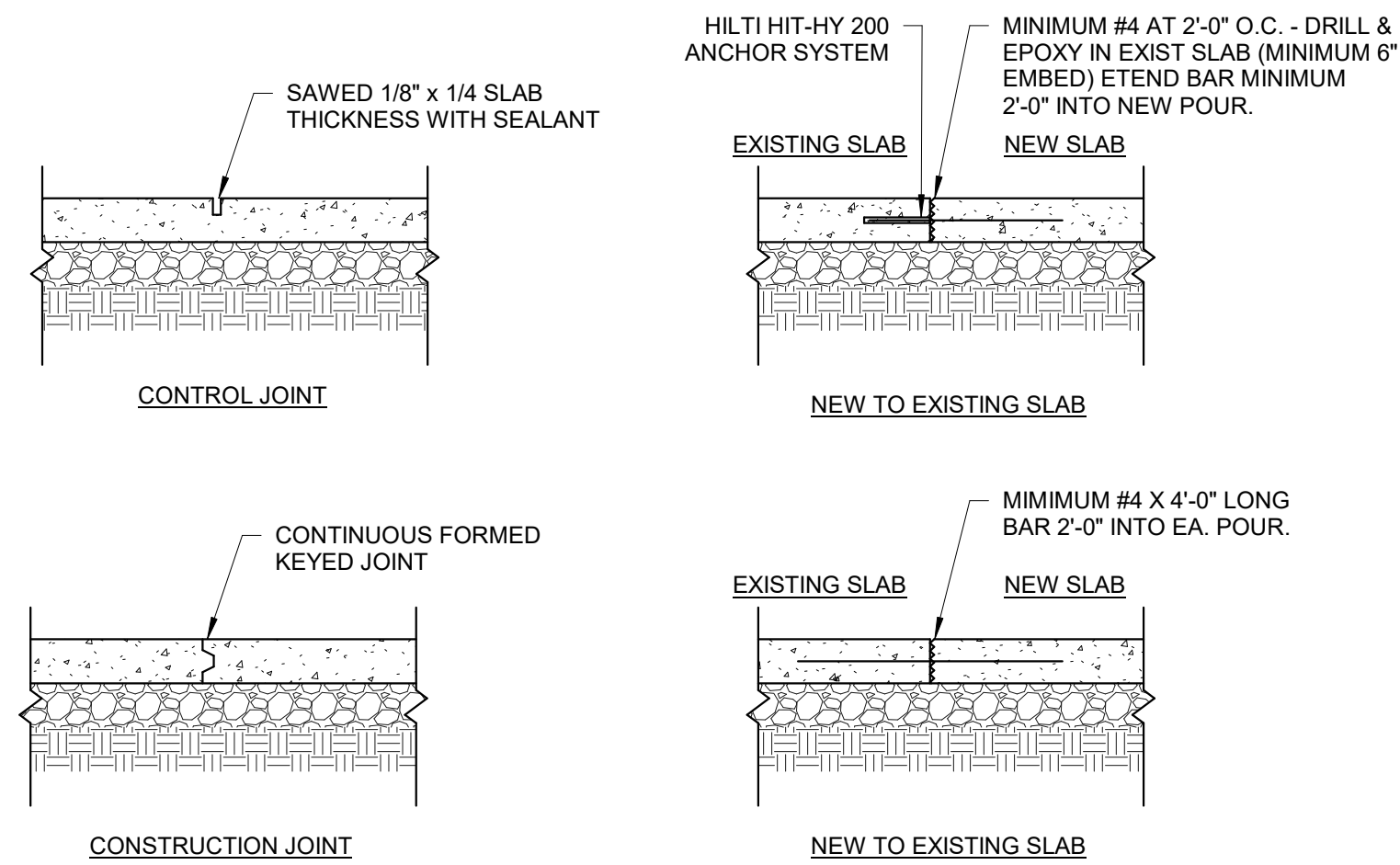
2 DETAIL
S0.3 ROOF OPENING (NOT @ RTU) OR SUPPORT OF EQUIPMENT UNDER 500 LB
NTS



3 DETAIL
S0.3 TYPICAL BAR JOIST REINFORCING
NTS
NOTES:
1. IF A CONCENTRATED LOAD OF 100 LB. OR MORE IS LOCATED 6" OR GREATER FROM A PANEL POINT, A BRACE MADE OF L2x2x3/8 SHALL BE FIELD WELDED TO EACH SIDE OF THE TOP AND BOTTOM CHORDS.
2. THE TRADE CONTRACTOR REQUIRING SUPPORT FOR THE HUNG OR SUPER-IMPOSED LOAD SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING THE REQUIRED ANGLES AT THE DIRECTION OF THE GENERAL CONTRACTOR.



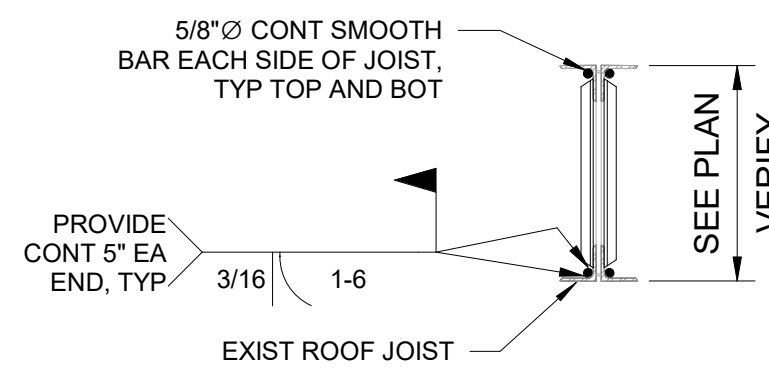
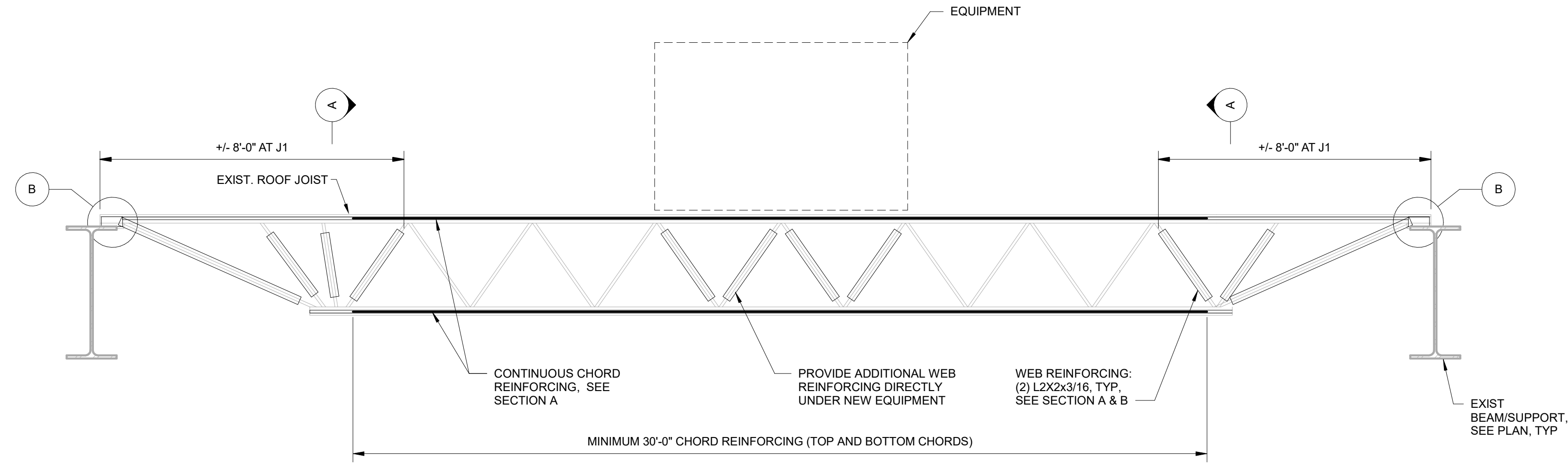
4 TYPICAL SLAB ON GRADE REPAIR DETAIL
S0.3 3/4" = 1'-0"



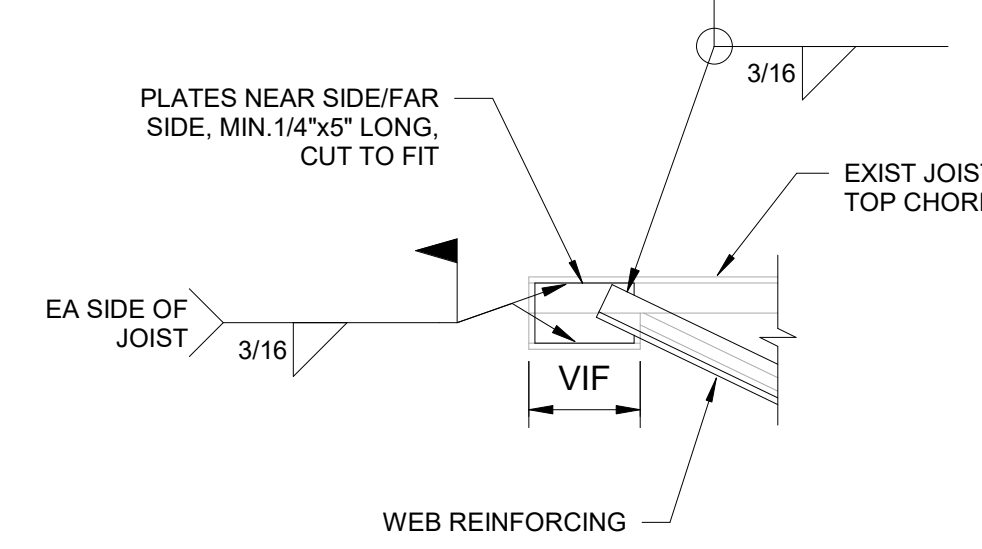
- NOTES:
- SEE PLANS FOR REQUIRED SLAB THICKNESS.
 - SLAB ON GRADE CONSTRUCTION AND CONTROL JOINTS SHALL BE DETERMINED BY THE CONTRACTOR. JOINT LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
 - SAW CUT CONTROL JOINTS WITHIN 8 HOURS OF SLAB POUR.

CONTROL & CONSTRUCTION JOINTS

5 TYPICAL SLAB ON GRADE REPAIR DETAIL
S0.3 3/4" = 1'-0"



SECTION A



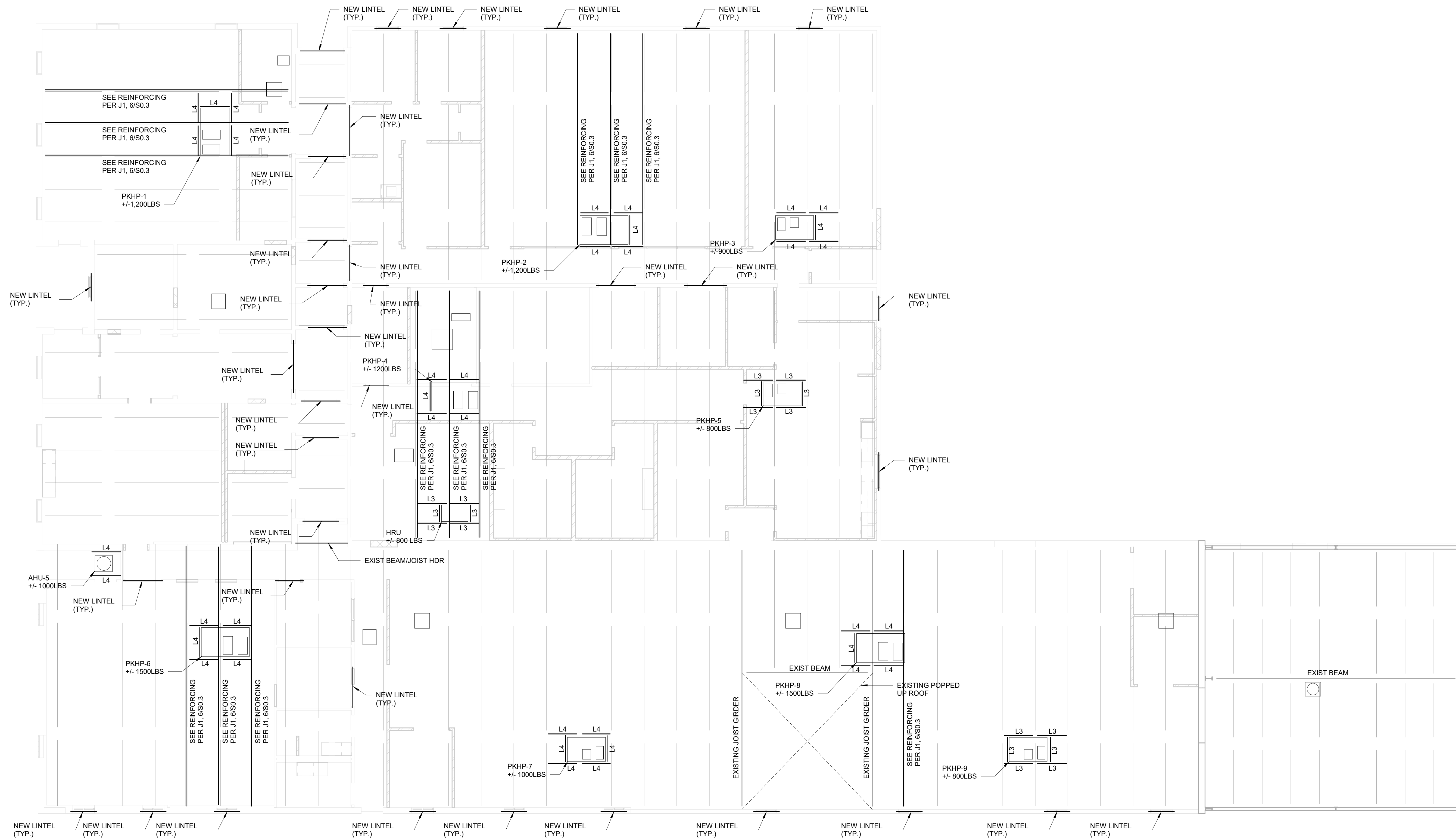
SECTION B

6 DETAIL
S0.3 EXISTING JOIST REINFORCING DETAIL
NTS
NOTES:
1. WEB CONFIGURATIONS ARE FOR SCHEMATIC ILLUSTRATION PURPOSES ONLY. CONTRACTOR SHALL VERIFY QUANTITIES AND LENGTHS IN FIELD.
2. CONTRACTOR SHALL PROVIDE ADDITIONAL PANEL POINT BRACES AS REQUIRED AT RTU BEARING, GOAL SUPPORT POINTS, ETC.

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	#	Description	Date
Date	Project No.	10/08/2024 24117	
Drawn By	Sheet No.	TH S0.3	
Checked By	AW		

Copyright © 2023 Oakley Collier Architects. These drawings are of the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 ROOF FRAMING PLAN
S1.0 1/8" = 1'-0"

Roof Framing Plan Notes:

1. See Typical Construction Details on Sheet S0.2.
2. See General Notes on Sheet S0.1.
3. See 1/S0.2 for new lintel beam sizes. Refer to Architectural drawing for additional lintel locations not noted on Structural Drawings. See typical details for lintel bearing requirements.



PRELIMINARY NOT FOR CONSTRUCTION

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	
#	Description Date

Date	Project No.
10/08/2024	24117
Drawn By	Sheet No.
TH	S1.0
Checked By	
AW	
Sheet Title	
ROOF FRAMING PLAN	

PLUMBING GENERAL NOTES

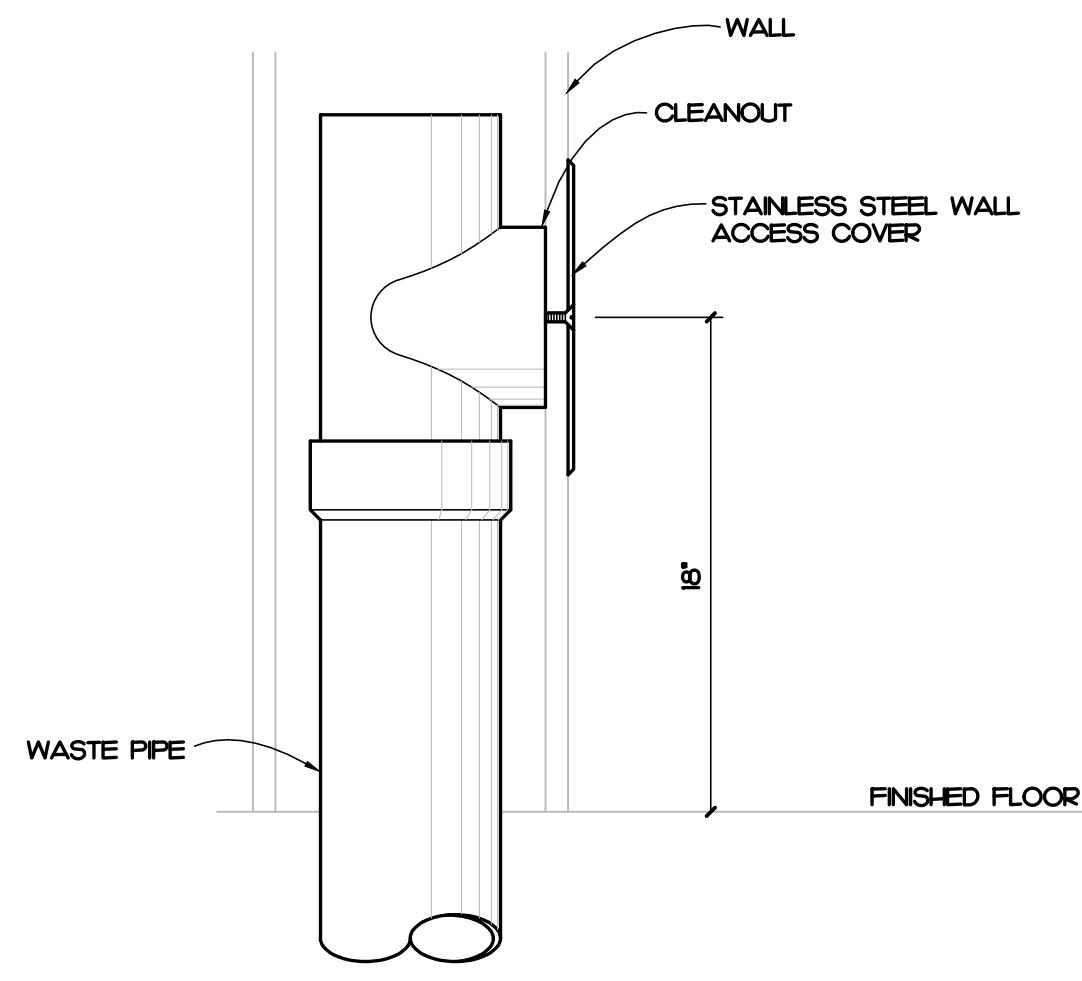
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE PLUMBING CONTRACTOR.
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
- THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCE'S SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
- THE PLUMBING CONTRACTOR SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE PLUMBING CONTRACTOR AND FINISHING BY GENERAL CONTRACTOR.
- ALL PIPE, FITTINGS, FIXTURES, AND SOLDER TO BE LEAD FREE.
- WATER PIPING BELOW GRADE SHALL BE TYPE "K" COPPER (NO JOINTS BELOW GRADE) AND ABOVE GRADE TYPE "L" COPPER. SUPPORTED AS REQUIRED AND SHALL BE HYDROSTATICALLY TESTED FOR ONE HOUR AT 60 PSI TEST TO COMPLY WITH ALL EPA STANDARDS. THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE.
- WATER PIPING LOCATED ABOVE CEILING AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE OF CEILING INSULATION (UNDERSIDE) AND WALL INSULATION (INSIDE).
- ALL COLD AND HOT WATER PIPING SHALL BE INSULATED. INSULATE WASTE PIPING AS DESIGNATED ON PLUMBING DRAWINGS. INSULATION SHALL BE 1" FIBERGLASS EXPOSED PIPING TO BE WRAPPED WITH ALUMINUM JACKET.
- WATER SHUT-OFF VALVES ABOVE FINISHED CEILING ARE TO BE FREE FROM OBSTRUCTIONS SUCH AS DUCTWORK, LIGHTS, WIRING AND OTHER PIPING SO AS TO PROVIDE EASY ACCESS. MOUNT NO MORE THAN 2'-0" ABOVE FINISHED CEILING.
- PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR MATERIAL.
- WATER HEATERS SHALL HAVE AN EFFICIENCY MEETING REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER HIS CONTRACT.
- VENT AND SANITARY SEWER PIPING BELOW FINISHED GRADE AND/OR FLOOR SHALL BE SCHEDULE 40 PVC. CELLULAR CORE (FOAM CORE) IS NOT ALLOWED. VENT AND SANITARY SEWER PIPING ABOVE FINISHED GRADE AND/OR FLOOR SHALL BE CAST IRON. SANITARY SEWER AND VENT PIPING SHALL BE GAS AND AIR TIGHT.
- THE PLUMBING CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
- THE PLUMBING CONTRACTOR SHALL REVIEW ALL UTILITY SITE PLANS FOR WORK BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH WORK BY OTHERS AND AVOID ALL CONFLICTS.
- LOCATIONS OF UTILITIES (WASTE AND WATER PIPING, ETC.) PROVIDED BY OTHERS, THAT ARE TO BE CONNECTED TO ARE ASSUMED. IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO VERIFY THESE LOCATIONS AND MAKE FINAL CONNECTIONS AS REQUIRED.
- VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
- ALL VENT PIPING THROUGH THE ROOF SHALL BE A MINIMUM OF 5'-0" FROM ALL MAKE-UP AIR INLETS OR A MINIMUM OF 2'-0" ABOVE THE TOP OF ALL MAKE-UP AIR INLETS. VENTS THROUGH ROOF ARE TO BE ON REAR OF BUILDING.
- SEE ARCHITECTURAL DRAWINGS FOR PLUMBING MINIMUM FACILITY CALCULATIONS.
- ALL INDIRECT WASTE IS TO BE PROVIDED WITH AN AIR GAP 2 TIMES THE SIZE OF THE WASTE INLET.
- THE PLUMBING CONTRACTOR SHALL VERIFY BUILDING FLOOR ELEVATION IS ABOVE MAN-HOLE RIM ELEVATION OR PROVIDE A BACKWATER VALVE AS REQUIRED.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR DEMOLITION AT NO COST TO THE OWNER.
- THE PLUMBING CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF PROJECT.

PLUMBING SYMBOL LEGEND

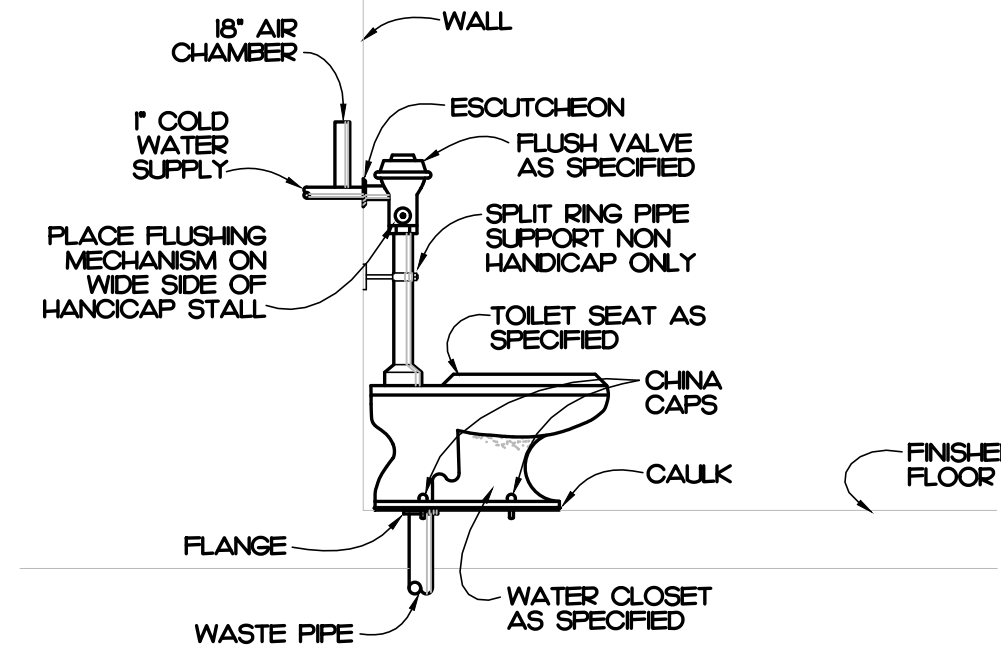
SYMBOL	DESCRIPTION
	COLD WATER PIPING
	WATER PIPING DIRECTION OF FLOW
	EXISTING COLD WATER PIPING
	COLD WATER PIPING BELOW FINISHED FLOOR
	HOT WATER PIPING
	BALL VALVE
	WATER PIPING TURNED DOWN
	WATER PIPING TURNED UP
	PIPING SIDE CONNECTION
	SANITARY SEWER / WASTE PIPING
	SANITARY SEWER / WASTE PIPING DIRECTION OF FLOW
	EXISTING SANITARY SEWER / WASTE PIPING
	VENT PIPING
	VENT PIPE UP
	NON FREEZE WALL HYDRANT
	HOSE BIBB
	PLUMBING FIXTURE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR
	FLOOR CLEANOUT
	WALL CLEANOUT
	FLOOR DRAIN
	CONNECT TO EXISTING
	ELECTRICAL EQUIPMENT BY ELECTRICAL CONTRACTOR. ROUTE PIPING TO AVOID.

PLUMBING LOAD SUMMARY

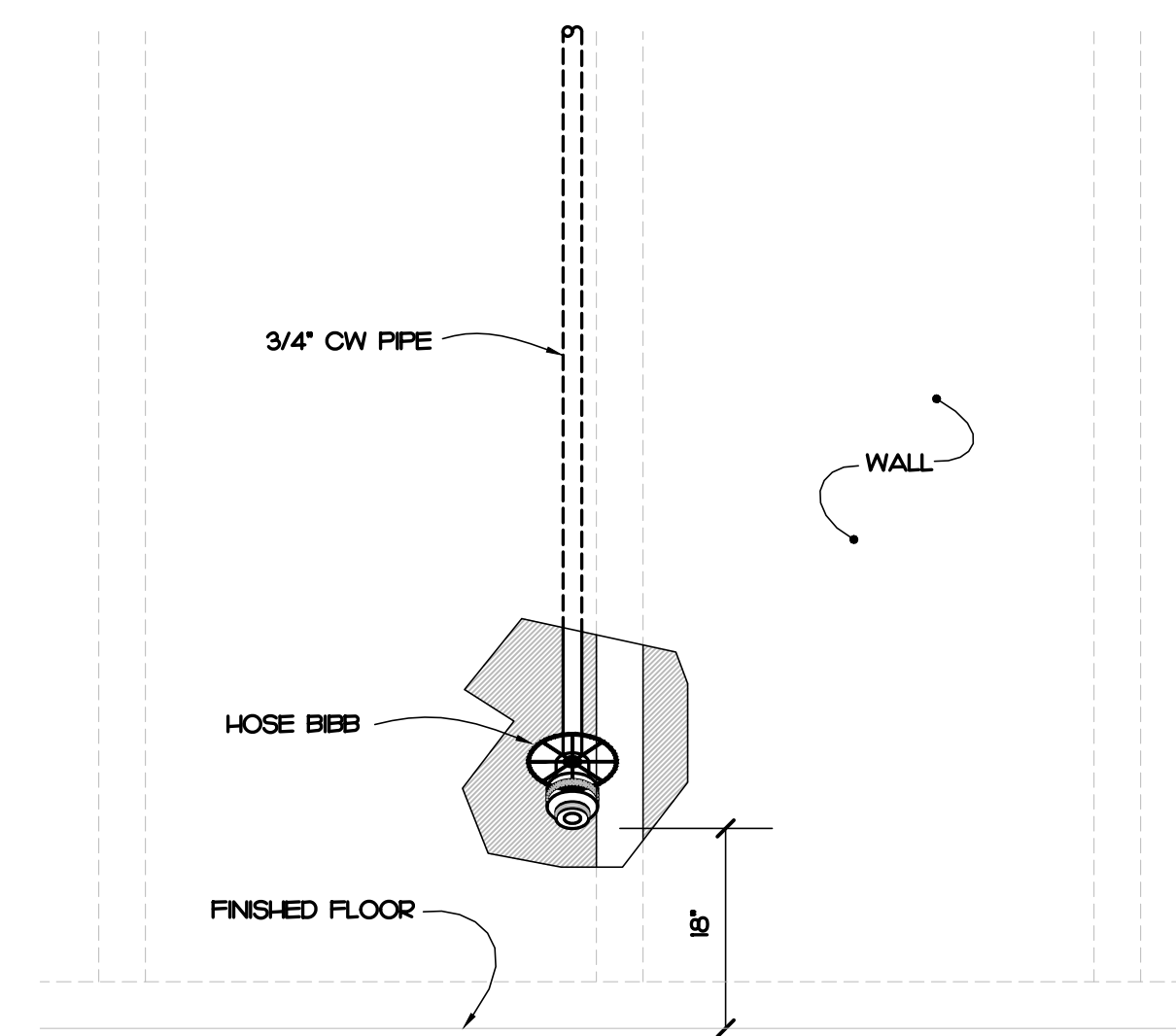
SANITARY SEWER DEMAND FU	WATER DEMAND FU	WATER DEMAND GPM
50.0	87.0	400



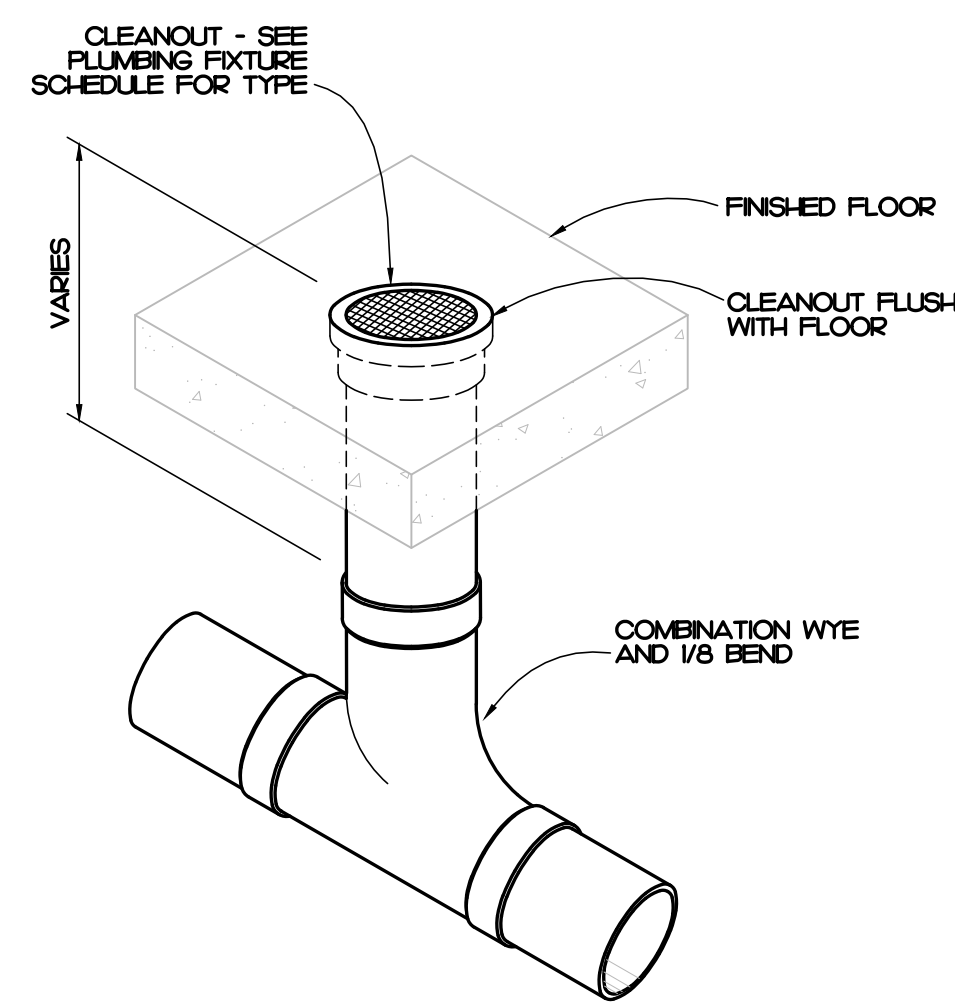
3 WALL CLEANOUT DETAIL
P0.1 SCALE: NOT TO SCALE



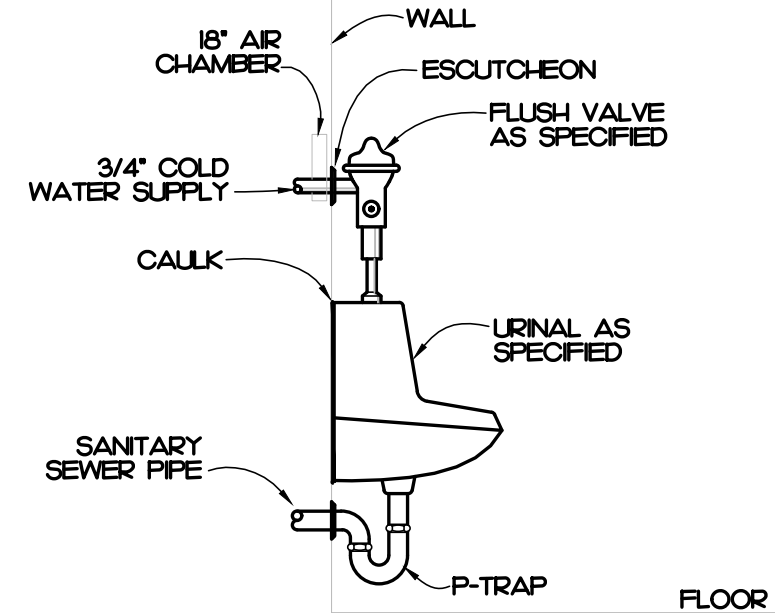
6 WATER CLOSET DETAIL
P0.1 SCALE: NOT TO SCALE



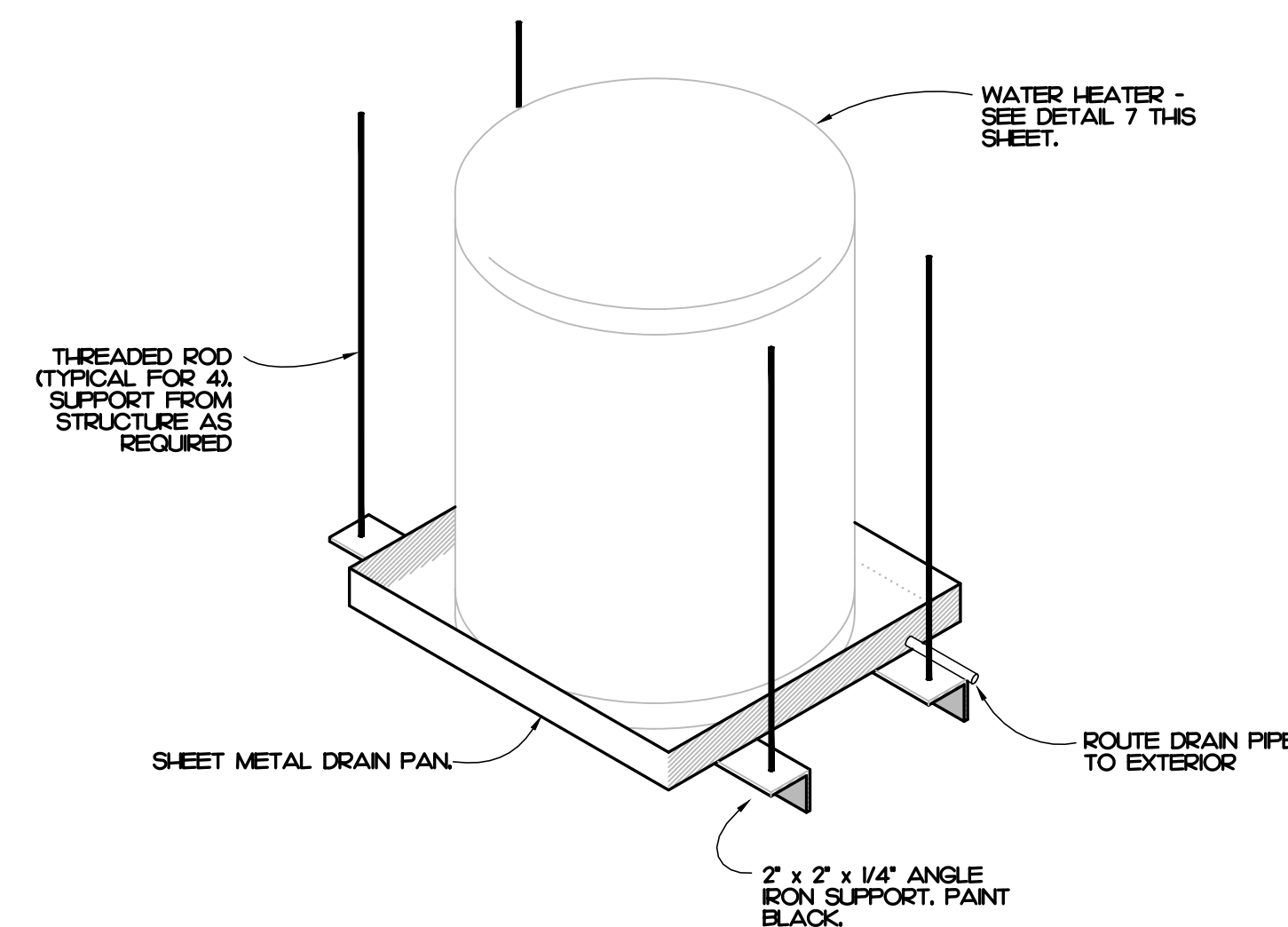
9 HOSE BIBB DETAIL
P0.1 SCALE: NOT TO SCALE



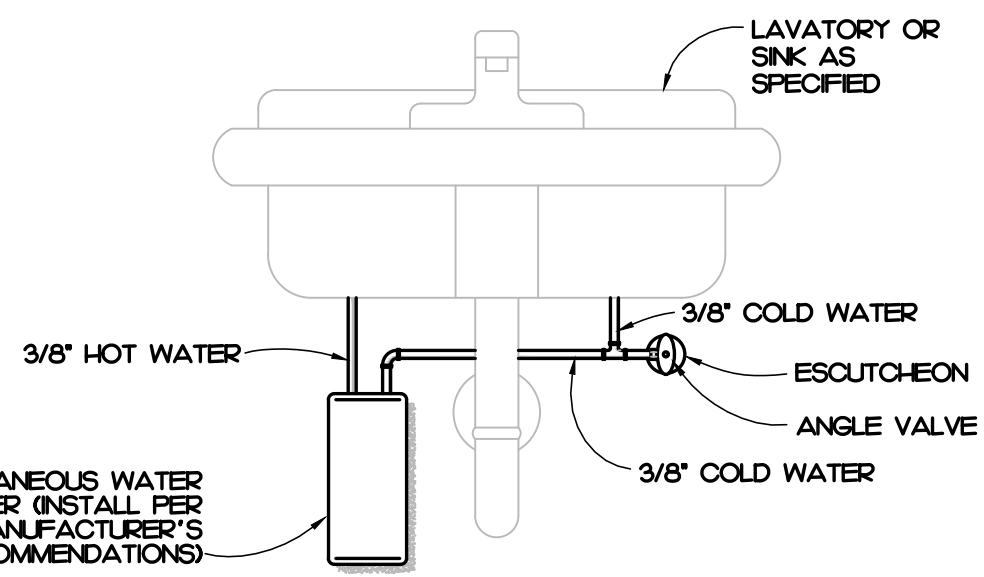
2 FLOOR CLEANOUT DETAIL
P0.1 SCALE: NOT TO SCALE



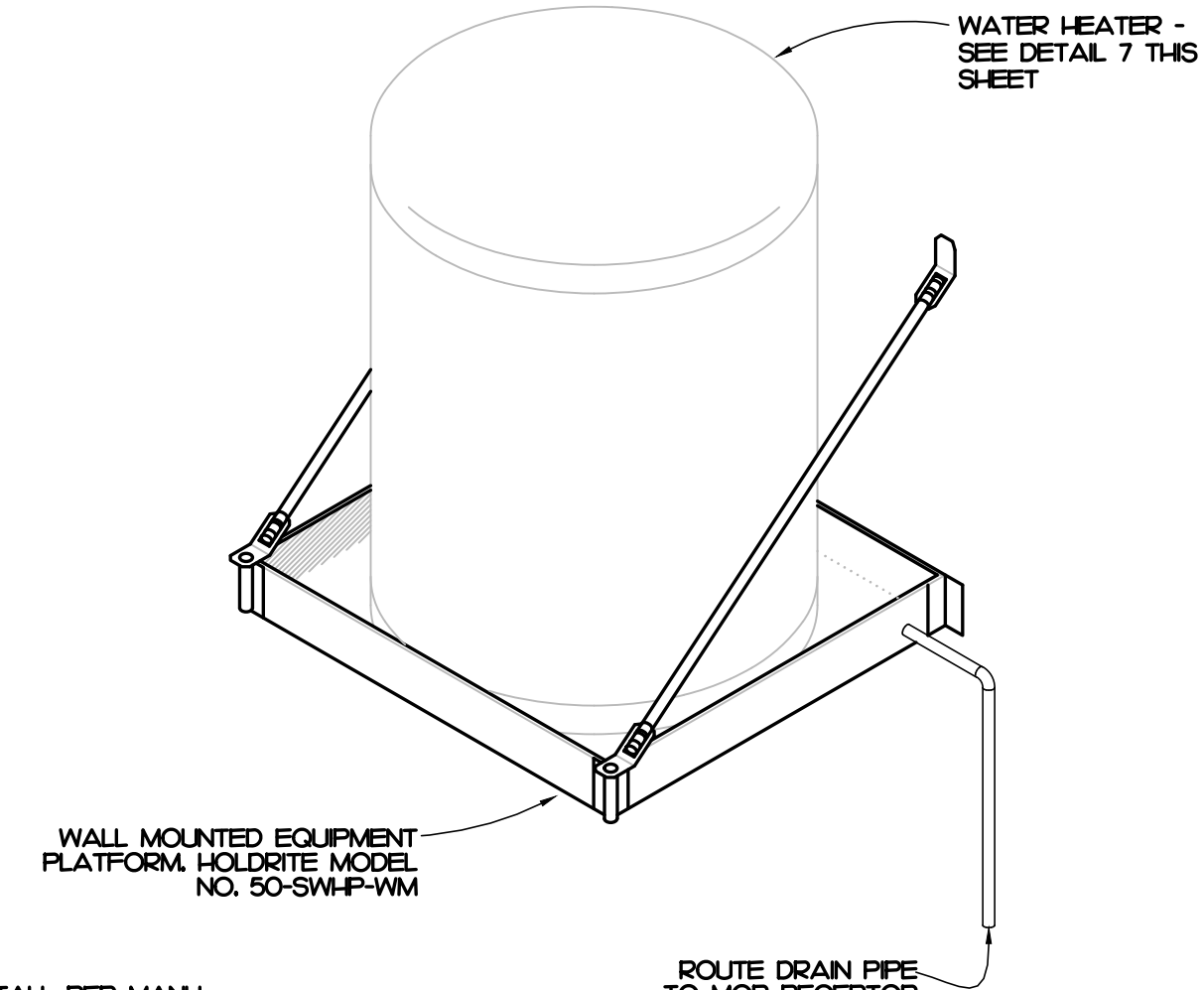
5 URINAL DETAIL
P0.1 SCALE: NOT TO SCALE



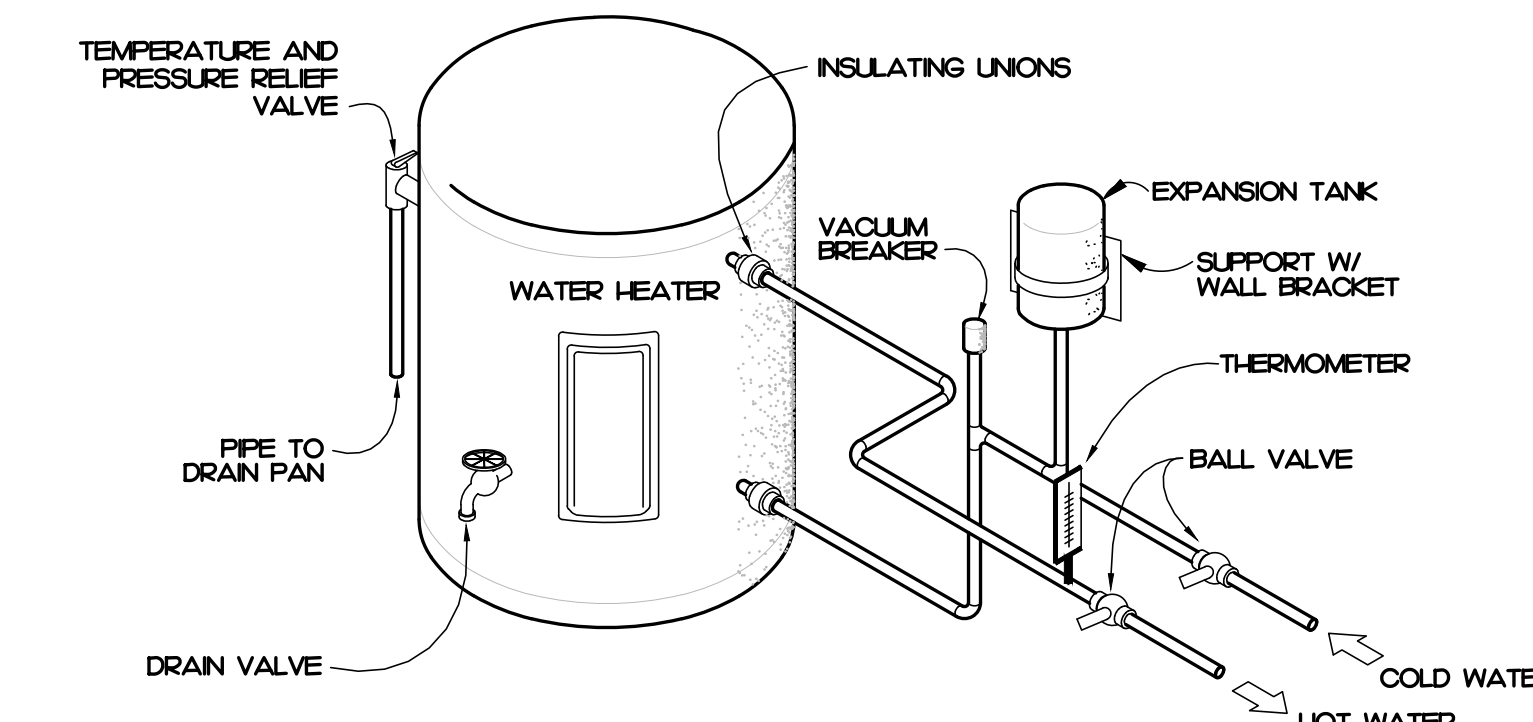
8 WATER HEATER MOUTING DETAIL (WH-2&3)
P0.1 SCALE: NOT TO SCALE



1 WATER HEATER DETAIL (WH-4)
P0.1 SCALE: NOT TO SCALE



4 WATER HEATER MOUTING DETAIL (WH-1)
P0.1 SCALE: NOT TO SCALE



7 WATER HEATER DETAIL (WH-1,2,3)
P0.1 SCALE: NOT TO SCALE

Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

IMEG
3221 BLUE RIDGE ROAD, STE 113
RALEIGH, NC 27612
(919) 571-1111
www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA BEHIND THEREOF. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG.
©2023 IMEG CONSULTANTS CORP.

North Carolina Design Registration #11-1007

1" = 8'-0" PROJECT #24002

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS
107 Candlewood Road, Rocky Mount, NC 27804 | P: 252.237.2200
303 W. Main Street, Raleigh, NC 27601

ATLANTEC ENGINEERS, PA
13221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111
24081

REVISION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC

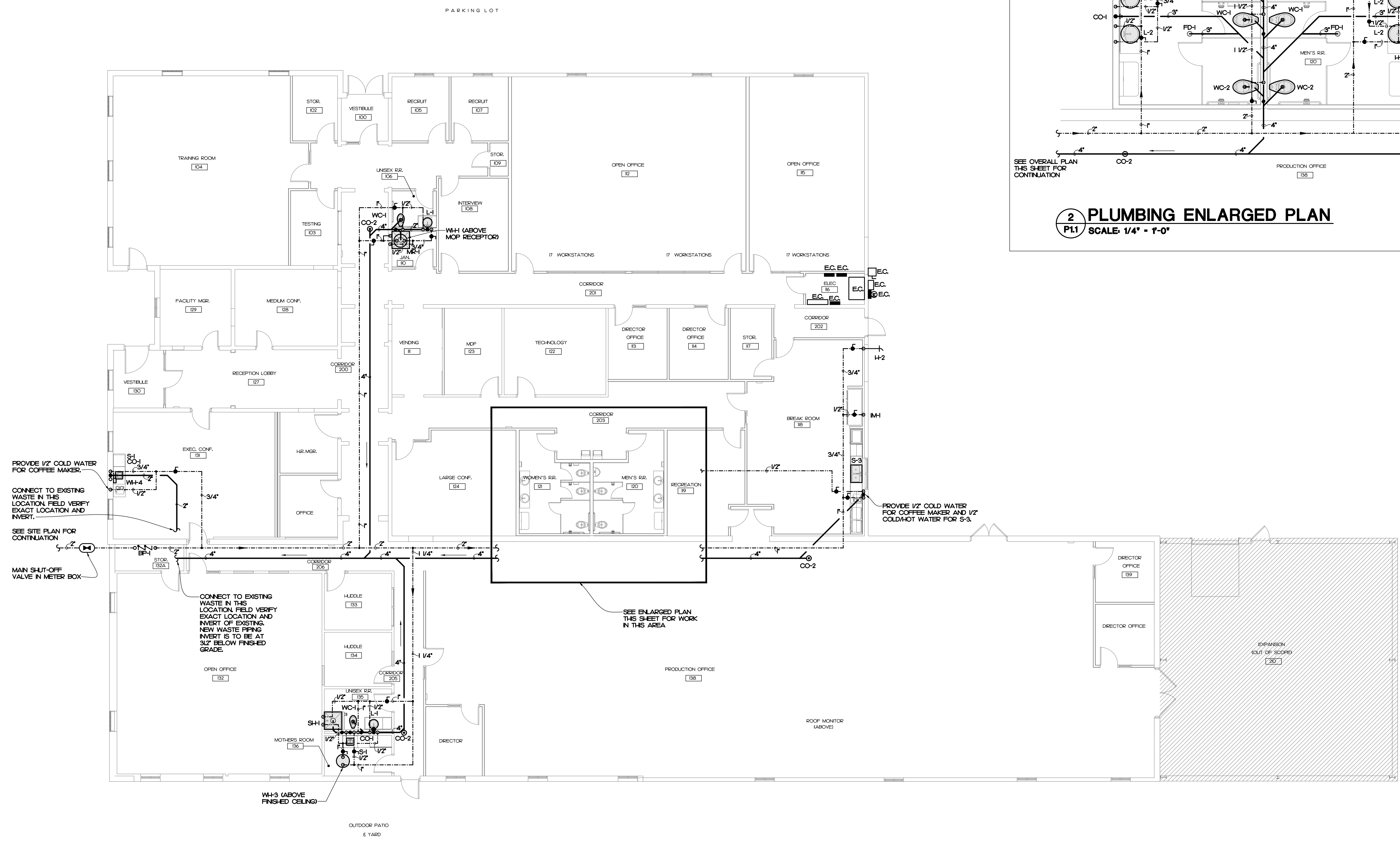
NORTH CAROLINA PROFESSIONAL ENGINEER
REG. NO. 24002
EXPIRES 12/31/2024

NORTH CAROLINA PROFESSIONAL ENGINEER
REG. NO. 24002
EXPIRES 12/31/2024

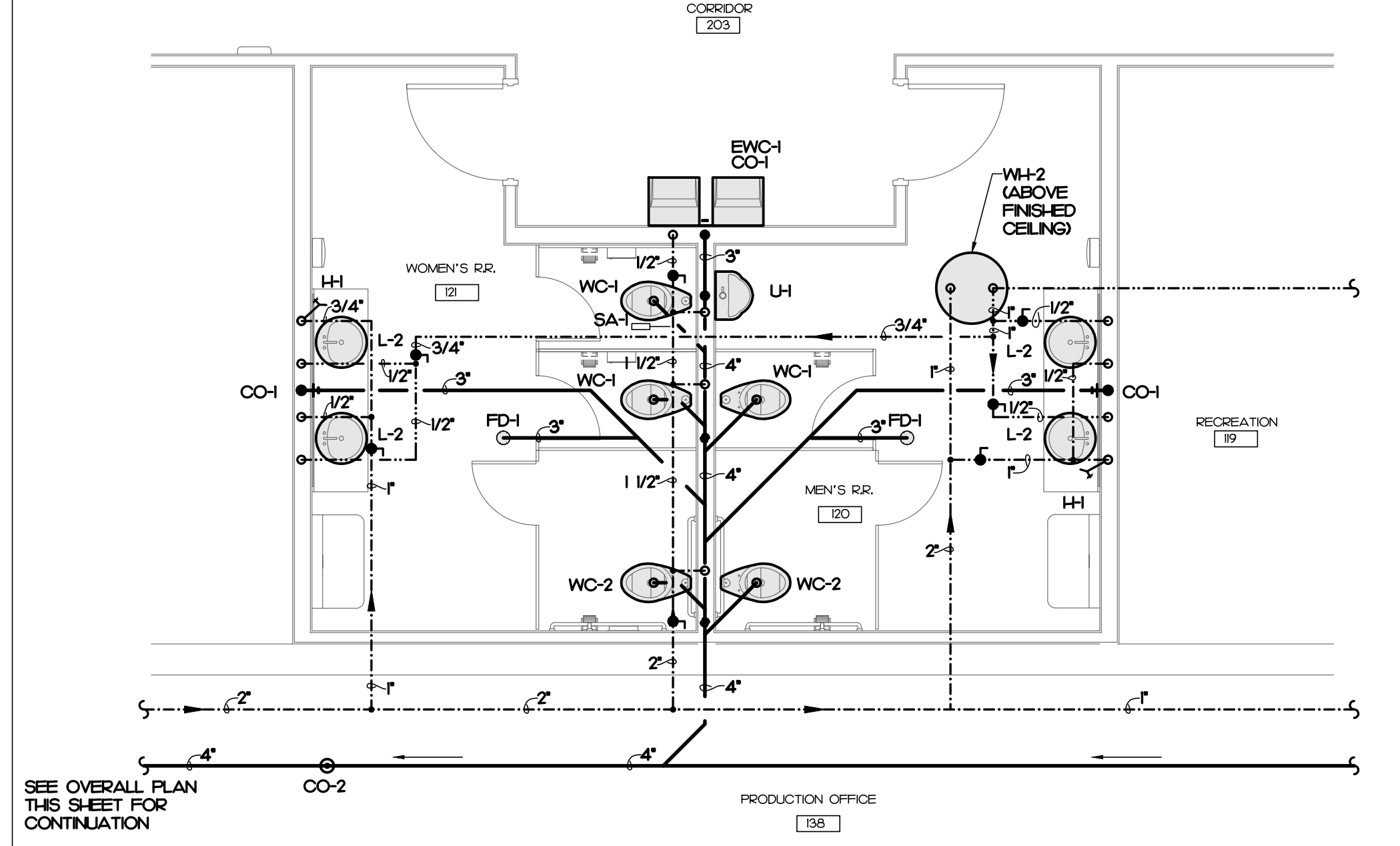
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
JAD	P0.1
Checked By	Sheet Title
JBD	PLUMBING NOTES, LEGEND AND DETAILS

Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



1 PLUMBING OVERALL PLAN
P1.1 SCALE: 1/8" = 1'-0"



2 PLUMBING ENLARGED PLAN
P1.1 SCALE: 1/4" = 1'-0"

IMEG
 3221 BLUE RIDGE ROAD, SUITE 113
 RALEIGH, NC 27612
 919.571.1111
 www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA BEHIND THEREOF. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG. ©2023 IMEG CONSULTANTS CORP.

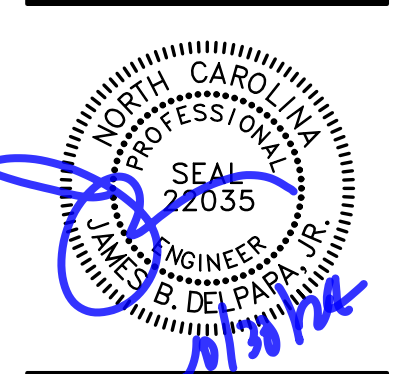
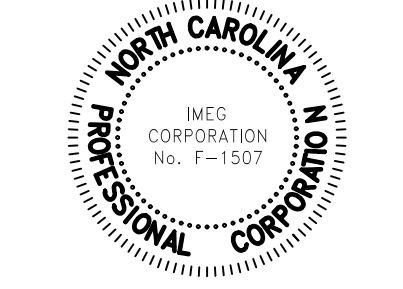
North Carolina Design Registration #1-1507

0 1 2 3
 REF. SCALE IN INCHES PROJECT #24002

OAKLEY COLLIER ARCHITECTS
OCA
 107 Cardwellwood Road, Rocky Mount, NC 27804 | P: 252.337.2000
 303 W. Main Street, Raleigh, NC 27601

ATLANTEC ENGINEERS, PA
 a DIV OF **IMEG**
 3221 BLUE RIDGE ROAD, SUITE 113
 RALEIGH, NC 27612
 (919) 571-1111
 24081

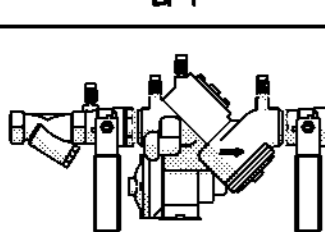
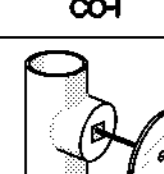
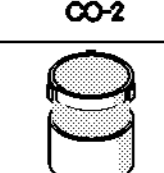

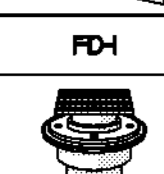
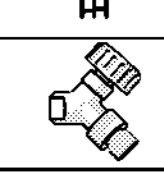
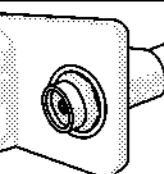
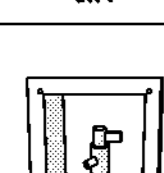
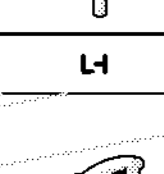

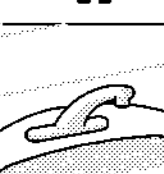

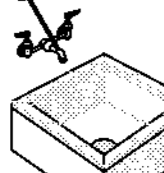
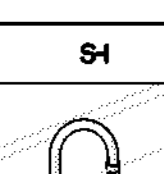
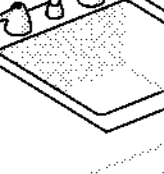
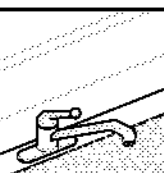

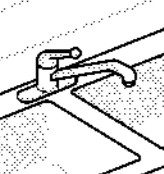
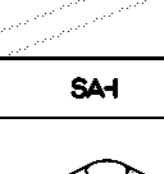
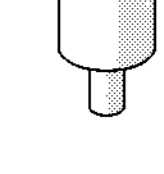
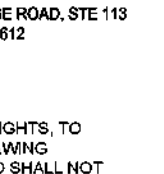
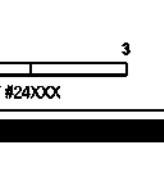

RENOVATION FOR:
PROVALUS
 CITY OF WHITEVILLE
 127 W COLUMBUS ST., WHITEVILLE, NC



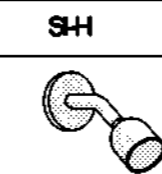

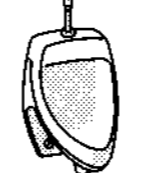

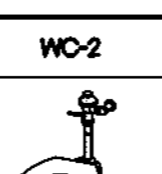
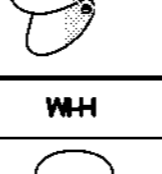
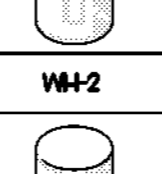
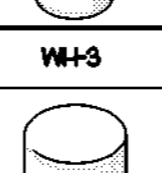
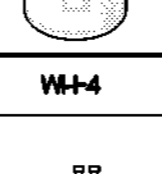

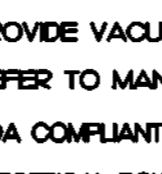
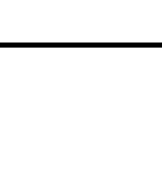










GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.



Revisions	Description	Date
Date	Project No.	
10/30/2024	24002	
Drawn By	Sheet No.	
JAD	P1.1	
Checked By		
JBD		
Sheet Title		
PLUMBING PLAN		

PLUMBING FIXTURE SCHEDULE

SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PPING CONNECTIONS		
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER
	LEAD FREE, REDUCED PRESSURE ZONE WITH BALL VALVES AND STRAINER, MOUNT 2" ABOVE FINISHED FLOOR.	WAITS	LF909TM-S	WILKINS	975L2-S	FEBCO	LF860	2"	-	-
	WALL CLEANOUT	ZURN	CO-243-PVC	MIFAB		JR SMITH		-	-	SEE PLUMB DRAWINGS
	ACCESS COVER	ZURN	CO-250-SS	MIFAB		JR SMITH		-	-	SEE PLUMB DRAWINGS
	PVC CLEANOUT BODY AND PLUG TO BE GAS AND WATER TIGHT. PLUG TO HAVE A BRASS THREADED INSERT TO RECEIVE SECURING SCREW FOR STAINLESS STEEL ROUND ACCESS COVER.	ZURN	CO2449	MIFAB		JR SMITH		-	-	SEE PLUMB DRAWINGS
	FLOOR CLEANOUT WITH AN ADJUSTABLE PVC RISER, NICKEL BRONZE FRAME AND COVER, AND AN ABS TAPER THREADED PLUG. CLEANOUT TO BE GAS AND WATER TIGHT.	OASIS	P88FSL	ELKAY	L2TLBWS	HALSEY TAYLOR	HTB4ACDPLVWP	1/2"	-	2"
	PROVIDE WITH FRONT AND SIDE CONTROLS, SHUT-OFF VALVE, CARRIER, AND TRAP. PROVIDE STAINLESS STEEL FINISH. PROVIDE WITH BOTTLE FILLER.	WOODFORD	24	MIFAB	MH-1000-NFB	ZURN	BDL	3/4"	-	-
	FLOOR DRAIN TO HAVE A 3" WASTE BOTTOM OUTLET, CAST IRON BODY WITH ADJUSTABLE COLLAR, POLISHED 6" x 6" NICKEL BRONZE SQUARE HEEPROOF STRAINER, AND 1/2" TRAP FINNER CONNECTION.	ZURN	ZW455	WATTS	FD100-M	MIFAB	FD004	1/2"	-	3"
	HOSE BIBB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER, 3/4" INLET AND OUTLET, EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIBB.	WOODFORD	24	MIFAB	MH-1000-NFB	ZURN	BDL	3/4"	-	-
	ANTIFREEZE HOSE BIBB SHALL HAVE AUTOMATIC DRAINING WITH ANTI-SIPHON VACUUM BREAKER, 3/4" INLET AND OUTLET, EXTERIOR FINISH TO BE CHROME. PROVIDE WITH LOOSE TEE KEY FOR EACH HOSE BIBB. MOUNT 12" ABOVE FINISHED GRADE.	WOODFORD	65	WATTS	HT-420	MIFAB	MHT-15	3/4"	-	-
	ICE MAKER BOX WITH 1/4 TURN BRASS BALL VALVE - COPPER SWEAT AND SUPPLY TUBE TO REFRIGERATOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.	QATEY CO.	38574	GLY GRAY	AB9700	SOLK CHEF	696-9000MF	1/2"	-	-
	PLASTIC ICE MAKER BOX WITH 1/4 TURN BRASS BALL VALVE - COPPER SWEAT AND SUPPLY TUBE TO REFRIGERATOR. COORDINATE MOUNTING HEIGHT WITH ARCHITECT.	KOHLER	K-296-4-O	SLOAN	SS-9002	AMERICAN STANDARD	O476028			
	FAUCET	SLOAN	EBF-650	CHICAGO FAUCETS	2200-4	MOEN	8470			
	TRAP	McGUIRE	8902	DEARBORN BRASS	702H	KOHLER	K-8999			2"
	SUPPLY	McGUIRE	85LK	BRASS CRAFT	R92AC	KOHLER	K-7605-P-CP	1/2"	1/2"	
	SELF-RIMMING LAVATORY SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH HAVE 4" CENTERS, AN OVERFLOW, AND INCLUDE SEALANT/DECK MOUNTED BATTERY OPERATED FAUCET SHALL BE CHROME FINISH 4" CENTERS, WITH 3/8" COPPER SUPPLY TUBE INLETS, AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS, FULL TURN BRASS STEW, REDUCER, AND FLANGE. INLET SHALL BE 3/8" IPS. OUTLET SHALL BE 3/8" IPS. P-TRAP SHALL BE CHROME PLATED CAST BRASS BODY WITH CLEANOUT, CAST BRASS ELBOW, CAST BRASS SLP NUT, AND FLANGE. PROVIDE WITH APPROVED WATER-TEMPERATURE LIMITING DEVICE THAT CONFORMS TO ASSE 1070 OR CSA B22.3.	SLOAN	K-296-4-O	SLOAN	SS-9002	AMERICAN STANDARD	O476028			
	FAUCET	SLOAN	EBF-650	CHICAGO FAUCETS	2200-4	MOEN	8470			
	TRAP	McGUIRE	8902	DEARBORN BRASS	702H	KOHLER	K-8999			2"
	SUPPLY	McGUIRE	85LK	BRASS CRAFT	R92AC	KOHLER	K-7605-P-CP	1/2"	1/2"	
	MOP RECEPTOR	STERN WILLIAMS	SB-900	FIAT	TS800					3"
	FAUCET	STERN WILLIAMS	T-10-1B	CHICAGO	8970CF	MOEN	824	1/2"	1/2"	
	HOSE	STERN WILLIAMS	T-35	FIAT	832AA					
	MOP BRACKET	STERN WILLIAMS	T-40	FIAT	8890C					
	MOP RECEPTOR SHALL BE 24" x 24" x 12" DEEP WITH ONE PIECE STAINLESS STEEL CAP, NO FLANGES.	JUST	SL-ADA-05-A-GR	ELKAY	ELR560					
	FAUCET	CHICAGO	23-AGHBA29-570P	DELTA	Z7C234	AMERICAN STANDARD		1/2"	1/2"	
	TRAP	McGUIRE	8902	KOHLER	K-8999	DEARBORN BRASS	702H			2"
	SUPPLY	McGUIRE	870	KOHLER	K-76-6-P	BRASSCRAFT	CS400AC			
	STRAINER	JUST	JB-99	ELKAY	LK-99	DEARBORN BRASS	L7			
	SINK IS TO BE 18 GAUGE STAINLESS STEEL. SELF-RIMMING, DECK MOUNTED GOOSENECK FAUCET SHALL BE CHROME FINISHED, WITH 1/2" INLET AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS AND FLANGE. INLET AND OUTLET SHALL BE 3/8" IPS. PROVIDE WITH McGUIRE PROMWRAP INSULATOR.	JUST	SL-ADA-05-A-GR	ELKAY						
	FAUCET	DELTA	400	MOEN	7437	KOHLER		1/2"	1/2"	
	TRAP	McGUIRE	8902	KOHLER	K8999	DEARBORN BRASS	702H			2"
	SUPPLY	McGUIRE	870	KOHLER	K-76-6-P	BRASSCRAFT	CS400AC			
	STRAINER	JUST	JB-99	ELKAY	LK-99	DEARBORN	L7			
	SINK IS TO BE 18 GAUGE STAINLESS STEEL. SELF-RIMMING, DECK MOUNTED FAUCET SHALL BE CHROME FINISHED, WITH 1/2" INLET AND PROVIDED WITH AN AERATOR. RIGID SUPPLY KIT SHALL INCLUDE CHROME PLATED BRASS STOPS WITH THREADED CONNECTIONS AND FLANGE. INLET AND OUTLET SHALL BE 3/8" IPS. PROVIDE WITH McGUIRE PROMWRAP INSULATOR. PROVIDE WITH SPRAYER, DISHWASHER CONNECTION, AND DISPOSAL. F REQUIRED BY ARCHITECT.	JUST	DL-ADA-993-A-GR	ELKAY	LRAD-339					
	FAUCET	DELTA	400	MOEN	7437	KOHLER		1/2"	1/2"	
	TRAP	McGUIRE	8902	KOHLER	K8999	DEARBORN BRASS	702H			2"
	SUPPLY	McGUIRE	870	KOHLER	K-76-6-P	BRASSCRAFT	CS400AC			
	STRAINER	JUST	JB-99	ELKAY	LK-99	DEARBORN	L7			
	SHOCK ABSORBER	JOEAM	7000	ZURN	Z700	WADE	4480			
	SHOCK ABSORBERS SHALL HAVE A STAINLESS STEEL CASING, FLEXIBLE MECHANICAL BELLOWS, PRESSURIZED INERT GAS CHAMBER AND CERTIFICATION STAMP AS CONFORMING TO STANDARD PDI WH-303 OF THE PLUMBING AND DRAINAGE INSTITUTE.									

PLUMBING FIXTURE SCHEDULE

SYMBOL / IMAGE	DESCRIPTION	3 - EQUALS						PPING CONNECTIONS		
		MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	MANUFACTURER	MODEL NUMBER	COLD WATER	HOT WATER	SANITARY SEWER
	SHOWER	CLARION BATHWARE	4S20C							2"
	VALVE AND HEAD	SYMONS	S-964	DELTA	T1943250000LNVMS	MOEN	8375	1/2"	1/2"	
	PROVIDE WITH DRAIN VALVE TO BE ANTI-SCALD PER NORTH CAROLINA BUILDING CODE.									
	URINAL	KOHLER	K-506-ET	SLOAN	SL7009	AMERICAN STANDARD	65432			2"
	VALVE	SLOAN	BS	DELANTY	F45H	ZURN	Z6009-AV	3/4"	-	
	CARRIER	ZURN	Z-123	JR SMITH	656	WATTS	CA-3I			
	URINAL SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND 3/4" TOP SPUD. EXPOSED CHROME PLATED FLUSH VALVE WITH 3/4" CHROME PLATED SPUD COUPLING AND FLANGE. MOUNTING HEIGHT TO BE ADA COMPLIANT.									
	WATER CLOSET	KOHLER	K-9609-O	SLOAN	ST-2009	AMERICAN STANDARD	223406			4"
	SEAT	BEIMS	K555SC	KOHLER	K-4670-C-O	CHURCH	9500C			
	VALVE	SLOAN	II	DELANTY	F402H	ZURN	Z6000-WSI	1"	-	
	TOILET SHALL BE MADE OF VITREOUS CHINA WITH A WHITE FINISH AND A 12" ROUGH-IN AND 1 1/2" TOP SPUD. SEAT SHALL BE EXTRA HEAVY WEIGHT SOLID PLASTIC WITH OPEN FRONT LESS COVER FOR ELONGATED BOWL. EXPOSED CHROME PLATED FLUSH VALVE WITH 1 1/2" CHROME PLATED SPUD COUPLING AND FLANGE.									
	WATER CLOSET	KOHLER	K-9609-O	SLOAN	ST-2029	AMERICAN STANDARD	230500			4"
	SEAT	BEIMS	K555SC	KOHLER	K-4670-C-O	CHURCH	9500C			
	VALVE	SLOAN	II	DELANTY	F402H	ZURN	Z6000-WSI	1"	-	
	WATER HEATER	STATE INDUSTRIES	PCE 20 IJMSA	A.O. SMITH		LOGANAR		3/4"	3/4"	
	ELECTRIC WATER HEATER SHALL HAVE A 20 GALLON STORAGE CAPACITY, AN ELECTRIC INPUT OF 15 KW AT 20 VOLT, SINGLE PHASE AND A RECOVERY OF 100% AT A 100' RISE. PROVIDE WITH THERMOSTATIC MIXING VALVE SET AT 107°, EXPANSION TANK AND DISCONNECT, WIRING BY LICENSED ELECTRICAL CONTRACTOR. WATER HEATER TO BE PROVIDED WITH HEAT TRAPS AND MEET THE ENERGY EFFICIENCY REQUIREMENT PER 2018 NORTH CAROLINA STATE BUILDING CODE/ ENERGY CONSERVATION CODE.									
	WATER HEATER	STATE INDUSTRIES	PCE 20 IJMSA	A.O. SMITH		LOGANAR		3/4"	3/4"	
	ELECTRIC WATER HEATER SHALL HAVE A 20 GALLON STORAGE CAPACITY, AN ELECTRIC INPUT OF 15 KW AT 20 VOLT, SINGLE PHASE AND A RECOVERY OF 6 GPH AT A 100' RISE. PROVIDE WITH THERMOSTATIC MIXING VALVE SET AT 107°, EXPANSION TANK AND DISCONNECT, WIRING BY LICENSED ELECTRICAL CONTRACTOR. WATER HEATER TO BE PROVIDED WITH HEAT TRAPS AND MEET THE ENERGY EFFICIENCY REQUIREMENT PER 2018 NORTH CAROLINA STATE BUILDING CODE/ ENERGY CONSERVATION CODE.									
	WATER HEATER	STATE INDUSTRIES	PCE 30 20MSA	A.O. SMITH		LOGANAR		3/4"	3/4"	
	ELECTRIC WATER HEATER SHALL HAVE A 30 GALLON STORAGE CAPACITY, AN ELECTRIC INPUT OF 45 KW AT 208 VOLT, SINGLE PHASE AND A RECOVERY OF 19 GPH AT A 100' RISE. PROVIDE WITH THERMOSTATIC MIXING VALVE SET AT 107°, EXPANSION TANK AND DISCONNECT, WIRING BY LICENSED ELECTRICAL CONTRACTOR. WATER HEATER TO BE PROVIDED WITH HEAT TRAPS AND MEET THE ENERGY EFFICIENCY REQUIREMENT PER 2018 NORTH CAROLINA STATE BUILDING CODE/ ENERGY CONSERVATION CODE.									
	WATER HEATER	EBMAX	SP242					3/8"	3/8"	
	ELECTRIC INSTANTANEOUS WATER HEATER SHALL HAVE AN ELECTRIC INPUT OF 24 KW AT 120 VOLT, SINGLE PHASE. WIRING BY LICENSED ELECTRICAL CONTRACTOR.									

- PLUMBING SCHEDULE NOTES AND LEGEND:**
1. THE PLUMBING CONTRACTOR MAY SUBSTITUTE FIXTURES WITH OWNERS' APPROVAL.
 2. SUBMIT CUT SHEETS FOR ALL PROPOSED FIXTURES TO ARCHITECT PRIOR TO BIDDING.
 3. PROVIDE VACUUM BREAKER ON ALL EQUIPMENT REQUIRING PLUMBING.
 4. REFER TO MANUFACTURERS WEB SITE FOR CUT SHEETS AND DATA ON THE FIXTURES AND APPURTENANCES USED IN THIS SCHEDULE.
-  ADA COMPLIANT
 ELECTRICAL POWER

Copyright © 2022 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.



IMEG RECEIVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS TO THIS DRAWING AND THE DATA BROWN THEREON. ANY REPRODUCTION OR OTHER USE OF THIS DRAWING OR DATA IS THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG. IMEG HAS NO LIABILITY TO ANY OTHER PARTY.

North Carolina Design Registration #1-1907

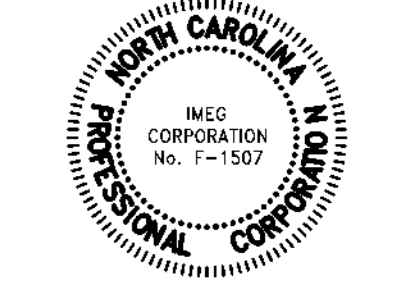
PROJECT #24002

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS

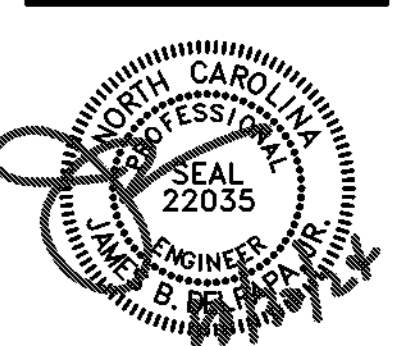
137 Candlerwood Road, Rocky Mount, NC 27854 | P: 1-800-337-2200
303 W. Main Street, Raleigh, NC 27601

ATLANTEC ENGINEERS, PA
3321 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 871-1111
24081

REVISION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



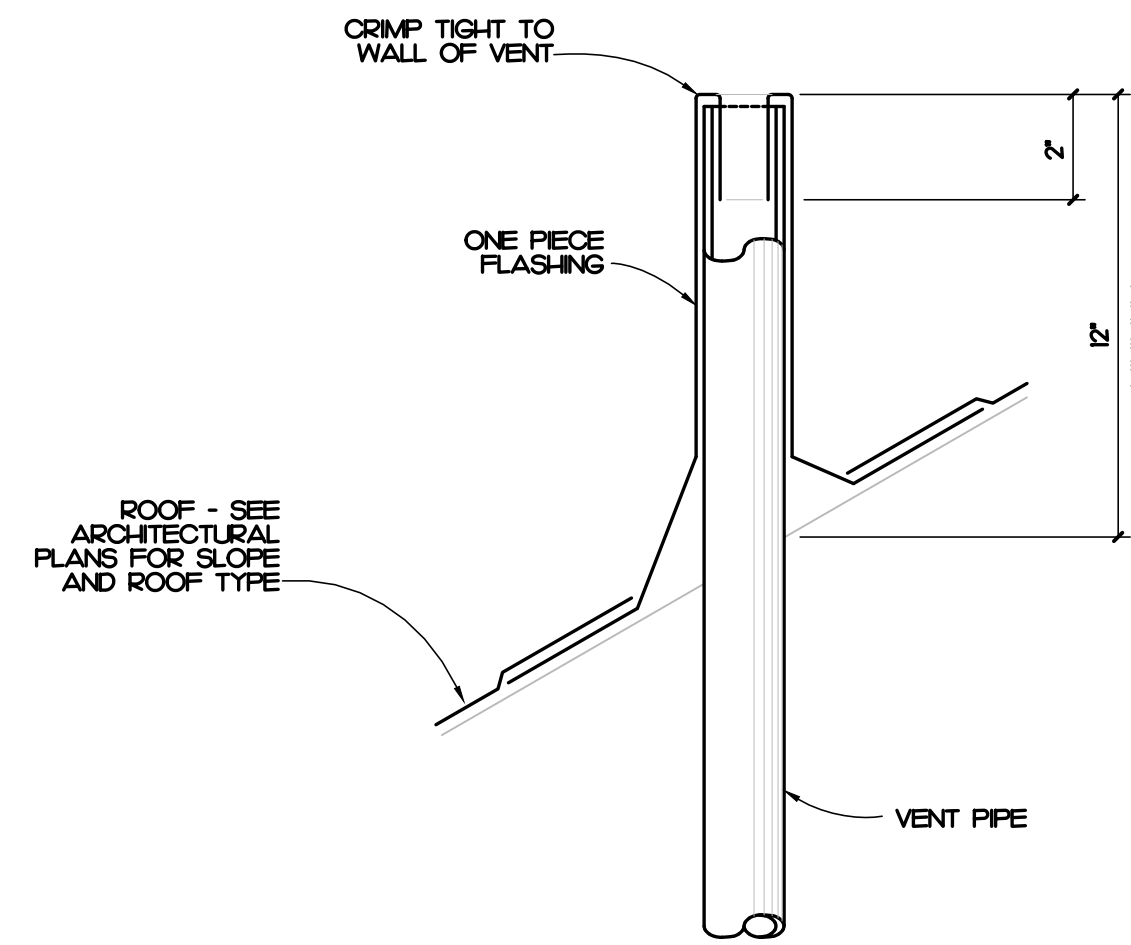
STATE OF NORTH CAROLINA
Professional Engineer Seal
No. 7-1507



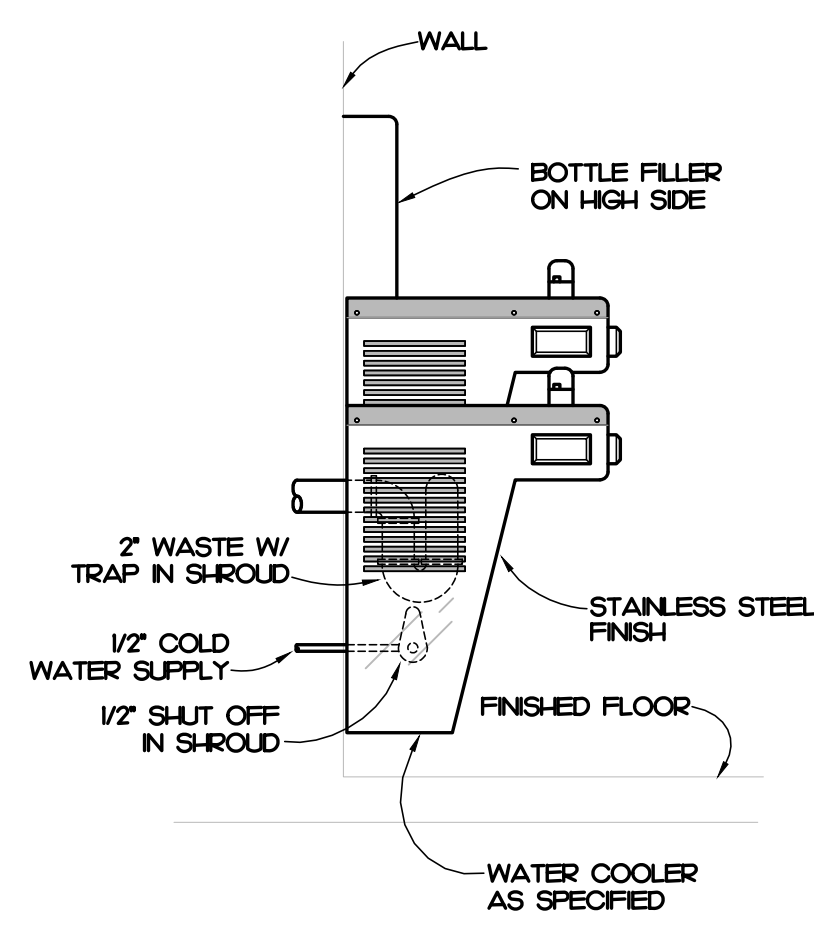
STATE OF NORTH CAROLINA
Professional Engineer Seal
No. 22035

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

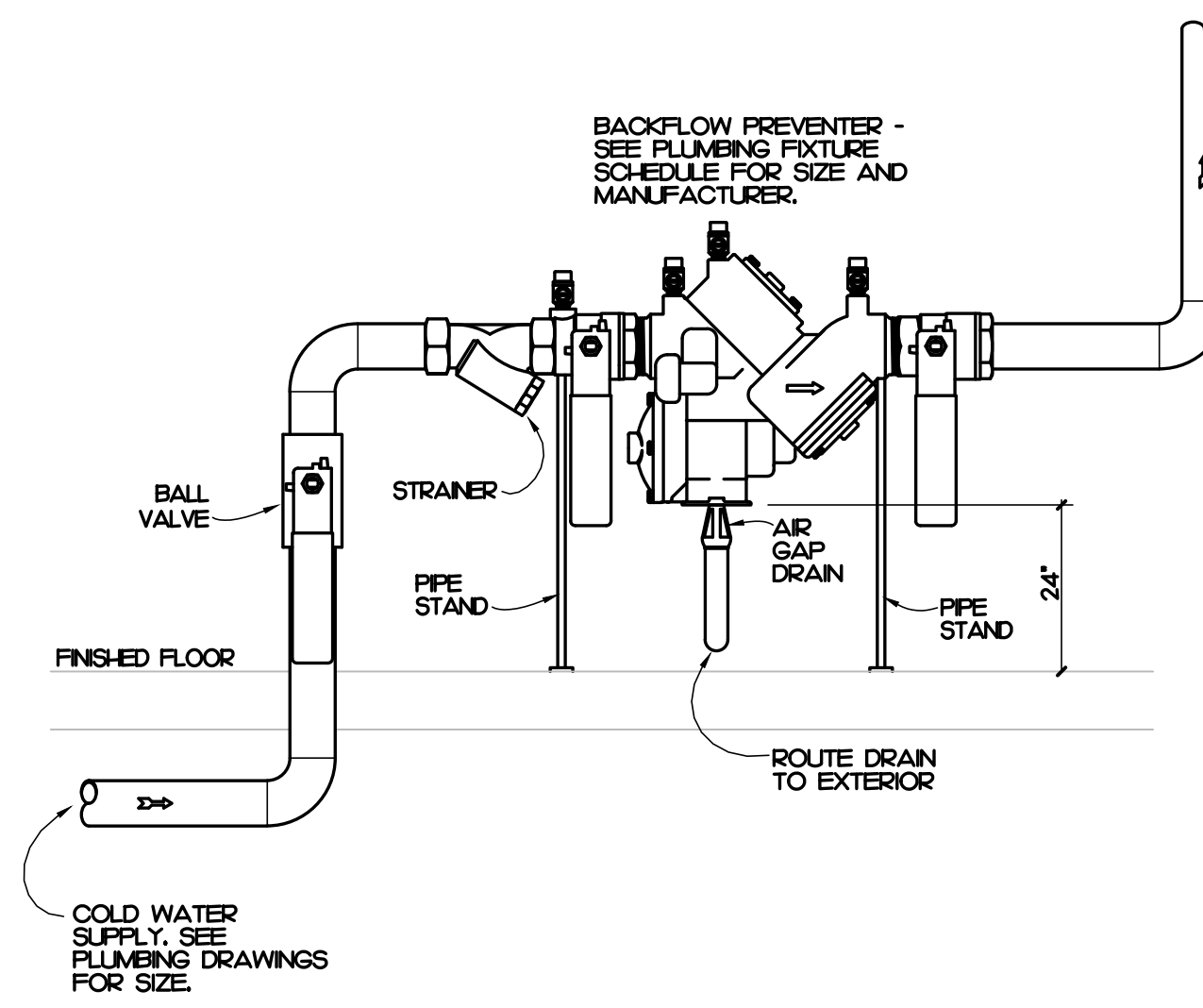
Description	Date
Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
JAD	P2.1
Checked By	Sheet Title
JBD	PLUMBING FIXTURE SCHEDULE



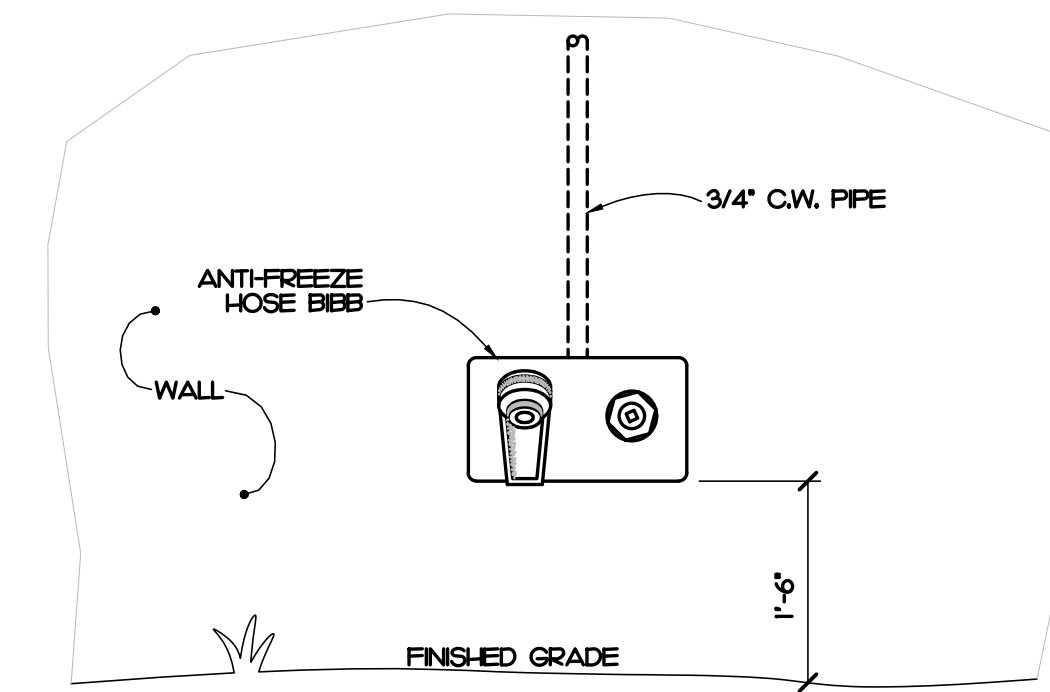
5 VENT THROUGH ROOF DETAIL
P2.2 SCALE: NOT TO SCALE



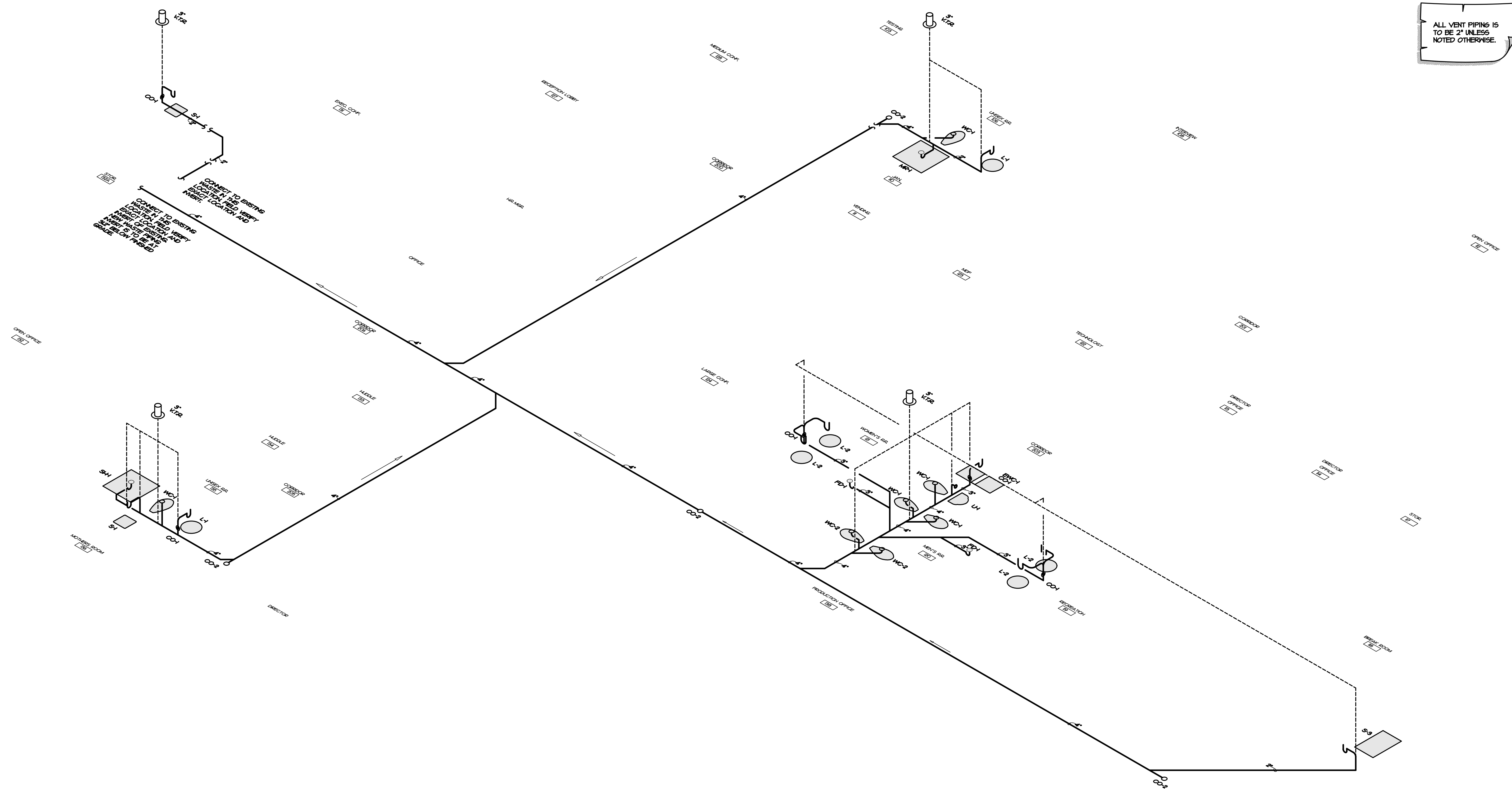
4 ELECTRIC WATER COOLER DETAIL
P2.2 SCALE: NOT TO SCALE



3 BACKFLOW PREVENTER DETAIL
P2.2 SCALE: NOT TO SCALE



2 EXTERIOR HOSE BIBB DETAIL
P2.2 SCALE: NOT TO SCALE



1 WASTE RISER
P2.2 SCALE: NOT TO SCALE

CONNECT TO EXISTING WASTE RISER AT THE NORTH LOCATION TO THE EAST OF THE WATER COOLER.

ALL VENT PIPING IS TO BE 2" UNLESS NOTED OTHERWISE.

Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

IMEG
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111
www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA BEHIND THEREOF. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG.
©2023 IMEG CONSULTANTS CORP.

North Carolina Design Registration #1-1507

1" = 10'-0" PROJECT #24002



GENERAL NOTE:
Prior to construction start Contractor shall verify & be responsible for all Dimensions.

Revision	Description	Date

Date: 10/30/2024
Project No: 24002

Drawn By: JAD
Checked By: JBD

Sheet Title: PLUMBING DETAILS CONTINUED AND WASTE RISER

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT METHOD OF COMPLIANCE

PRESCRIPTIVE ENERGY COST BUDGET

THERMAL ZONE 3A

EXTERIOR DESIGN CONDITIONS
winter dry bulb: 22°F
summer dry bulb: 95°F
relative humidity: 46%

INTERIOR DESIGN CONDITIONS
winter dry bulb: 70°F
summer dry bulb: 74°F
relative humidity: 50%

BUILDING HEATING LOAD: BLOCK LOAD = 298.2 MBH

BUILDING COOLING LOAD: BLOCK LOAD = 723.9 MBH (60.3 TONS)

MECHANICAL SPACING CONDITIONING SYSTEM

Unitary:
description of unit:
heating efficiency:
cooling efficiency:
heat output of unit:
cooling output of unit:
SEE SCHEDULES ON SHEETS (S)

Boiler:
total boiler capacity: # oversized state reason.

Chiller:
total chiller capacity: # oversized state reason.

LIST EQUIPMENT EFFICIENCIES: SEE SCHEDULES ON SHEETS (S)

EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)

motor horsepower:
number of phases:
minimum efficiency:
motor type:
of poles:
SEE SCHEDULES ON SHEETS (S)

DESIGNER STATEMENT

To the best of my knowledge and belief, the design of this building complies with the mechanical systems, service systems and equipment requirements of the North Carolina State Energy Code.

SIGNED: *J. Harrison Holt, P.E.*

NAME: J. Harrison Holt, P.E.

TITLE: Professional Engineer

AIR HANDLING UNIT SCHEDULE

MARK	MAKE	MODEL	SUPPLY AIR	OUTSIDE AIR	S.P.	H.P.	SUPP. HEAT	POWER	FLA	MCOCP
AHJ-12	TRANE	GAMBDA18	600 CFM	75 CFM	0.5 ft-wg	1/3	3.8 kW	208/10	21.0 A	25 A
AHJ-13	TRANE	GAMBDA18	600 CFM	0 CFM	0.5 ft-wg	1/3	3.8 kW	208/10	21.0 A	25 A

- PROVIDE WITH FUSIBLE DISCONNECT ON INDOOR AND OUTDOOR UNITS.
- PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
- PROVIDE WITH PROGRAMMABLE THERMOSTAT WITH 10 HR BATTERY BACKUP AND 2 HOUR OVERRIDE.
- SEE OUTSIDE AIR SUBMURY FOR OUTSIDE AIR INTAKE FLOW SETTINGS.
- ROUTE CONDENSATE TO EXTERIOR SPLASH BLOCK.
- PROVIDE WITH LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0°F.
- PROVIDE WITH 2" PLEATED FILTER RACK AND FILTER AT UNIT.
- PROVIDE SIMPLE ENGINEERED SOLUTIONS DEHUMIDIFICATION CONTROL MODULE WITH WALL MOUNTED HUMIDISTAT.

HEAT PUMP SCHEDULE

MARK	MAKE	MODEL	TOTAL COOL	SENS COOL	HEAT	POWER	FLA	MCOCP	SEER	HSPF	NOTES
HP-12	4TRW4015	18.7 MBH	12.7 MBH	14.8 MBH	208/10	12.3 A	25 A	14.3 SEER2	7.5 HSPF2	1-8	
HP-13	4TRW4018	18.7 MBH	12.7 MBH	14.8 MBH	208/10	12.3 A	25 A	14.3 SEER2	7.5 HSPF2	1-8	

- PROVIDE WITH FUSIBLE DISCONNECT ON INDOOR AND OUTDOOR UNITS.
- PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
- PROVIDE WITH PROGRAMMABLE THERMOSTAT WITH 10 HR BATTERY BACKUP AND 2 HOUR OVERRIDE.
- SEE OUTSIDE AIR SUBMURY FOR OUTSIDE AIR INTAKE FLOW SETTINGS.
- ROUTE CONDENSATE TO EXTERIOR SPLASH BLOCK.
- PROVIDE WITH LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0°F.
- PROVIDE WITH 2" PLEATED FILTER RACK AND FILTER AT UNIT.
- PROVIDE SIMPLE ENGINEERED SOLUTIONS DEHUMIDIFICATION CONTROL MODULE WITH WALL MOUNTED HUMIDISTAT.

VRF FAN COIL SCHEDULE

MARK	MAKE	MODEL	CFM	MCA	NOTES
FC-11.1	DAIKIN	FX2Q12TBVJU	353 CFM	0.4 A	1-6
FC-11.2.1	DAIKIN	FX2Q12TBVJU	353 CFM	0.4 A	1-6
FC-11.2.2	DAIKIN	FX2Q12TBVJU	353 CFM	0.4 A	1-6
FC-11.3.1	DAIKIN	FX2Q09TBVJU	317 CFM	0.3 A	1-6
FC-11.3.2	DAIKIN	FX2Q09TBVJU	317 CFM	0.3 A	1-6
FC-11.4	DAIKIN	FXDQ12MVJU	280 CFM	0.3 A	1-6
FC-11.5	DAIKIN	FX2Q06TBVJU	300 CFM	0.3 A	1-6
FC-11.6	DAIKIN	FX2Q06TBVJU	300 CFM	0.3 A	1-6
FC-11.7	DAIKIN	FX2Q06TBVJU	300 CFM	0.3 A	1-6
FC-11.8	DAIKIN	FX2Q06TBVJU	300 CFM	0.3 A	1-6

- POWER FROM OUTDOOR UNIT.
- PROVIDE WITH WALL MOUNTED HARDWIRED THERMOSTAT.
- PROVIDE WITH PLEATED FILTER AT UNIT.
- PROVIDE WITH CONDENSATE PUMP AND ROUTE DISCHARGE TO ROOF.
- CONTROL VIA DAIKIN DCM81871 MASTER CONTROLLER.
- PROVIDE WITH MOTOR RATED SWITCH.

VRF OUTDOOR UNIT SCHEDULE

MARK	MAKE	MODEL	TOTAL COOL	TOTAL HEAT	POWER	MCA	MCOCP	SEER	COP	NOTES
OU-11	DAIKIN	REYQ6AAT4	90.2 MBH	93.6 MBH	208/30	34.1 A	35 A	25.3	2.25	1-4

- PROVIDE WITH HEAVY DUTY FUSIBLE DISCONNECT.
- PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.
- PROVIDE WITH LOW AMBIENT CONTROLS FOR OPERATION DOWN TO 0°F.
- CONTROL VIA DAIKIN DCM81871 MASTER CONTROLLER.

VRF BRANCH SELECTOR SCHEDULE

MARK	MAKE	MODEL	CONNECTED CAPACITY	POWER	MCA	MCOCP	NOTES
BB-11	DAIKIN	BS1Q02AT4VJ	86.0 MBH	208/10	11.0 A	15 A	1-3

- PROVIDE WITH FUSIBLE DISCONNECT SWITCH.
- PROVIDE WITH CONDENSATE PUMP AND ROUTE TO ROOF.
- CONTROL VIA DAIKIN DCM81871 MASTER CONTROLLER.

GRILLE & DIFFUSER SCHEDULE

MARK	MAKE	MODEL	SERVICE	TYPE	MAX FLOW	FACE SIZE	NECK SIZE	NOTES
CD-6	PRICE	SMD	SUPPLY	SURFACE MOUNT	100 CFM	8"Ø	8"Ø	1-4
CD-8	PRICE	SMD	SUPPLY	SURFACE MOUNT	200 CFM	10"Ø	8"Ø	1-4
RA-6	PRICE	530	RETURN	LOUVERED LAY-IN	100 CFM	24X24	6"Ø	1-3.5
RA-8	PRICE	530	RETURN	LOUVERED LAY-IN	200 CFM	24X24	6"Ø	1-3.5
RA-10	PRICE	530	RETURN	LOUVERED LAY-IN	300 CFM	24X24	10"Ø	1-3.5
RA-12	PRICE	530	RETURN	LOUVERED LAY-IN	650 CFM	24X24	12"Ø	1-3.5
RA-14	PRICE	530	RETURN	LOUVERED LAY-IN	1000 CFM	24X24	14"Ø	1-3.5
RB-6	PRICE	530	RETURN	SURFACE MOUNT	450 CFM	12X12	6"Ø	1-5
RB-8	PRICE	530	RETURN	SURFACE MOUNT	450 CFM	12X12	8"Ø	1-5
RB-10	PRICE	530	RETURN	SURFACE MOUNT	450 CFM	12X12	10"Ø	1-5
SD-4	PRICE	SCD-4 CONE	SUPPLY	LOUVERED LAY-IN	100 CFM	24X24	6"Ø	1-3
SD-8	PRICE	SCD-4 CONE	SUPPLY	LOUVERED LAY-IN	200 CFM	24X24	8"Ø	1-3
SD-10	PRICE	SCD-4 CONE	SUPPLY	LOUVERED LAY-IN	300 CFM	24X24	10"Ø	1-3
SL-6	PRICE	TBD3 1" WIDTH	SUPPLY	LINEAR SLOT	200 CFM	48" - 1 SLOTT	6"Ø	1-3
SL-10	PRICE	TBD3 1" WIDTH	SUPPLY	LINEAR SLOT	300 CFM	48" - 2 SLOTT	10"Ø	1-3
SL-12	PRICE	TBD3 1" WIDTH	SUPPLY	LINEAR SLOT	450 CFM	48" - 3 SLOTT	12"Ø	1-3
SS-6	PRICE	TBD3 1" WIDTH	SUPPLY	LINEAR SLOT	200 CFM	24" - 2 SLOTT	6"Ø	1-3
SS-10	PRICE	TBD3 1" WIDTH	SUPPLY	LINEAR SLOT	300 CFM	24" - 3 SLOTT	10"Ø	1-3
WG-10	PRICE	510	SUPPLY	SIDEWALL	300 CFM	14X8	12X6	1-4

- COORDINATE FINISH WITH ARCHITECT.
- GRILLE TO HAVE FULLY LOUVERED FACE.
- PROVIDE WITH INSULATED SHEET METAL FLENUM.
- PROVIDE FRAME FOR SURFACE MOUNTING.
- PROVIDE WITH 5'-0" OF OPEN ENDED FLEX DUCT ABOVE FINISHED CEILING FOR SOUND ATTENUATION.

PACKAGED HEAT PUMP SCHEDULE

MARK	MAKE	MODEL	SUPPLY AIR	S.P.	H.P.	OUTSIDE AIR	TOTAL COOL	SENS COOL	TOTAL HEAT	SUPP. HEAT	POWER	MCA	MCOCP	COOL EFFIC	HEAT EFFIC	WEIGHT	NOTES
PKHP-1	TRANE	WSC060	2000 CFM	0.5 ft-wg	1.0	250 CFM	59.4 MBH	47.1 MBH	58.0 MBH	12.9 kW	208/30	63.0 A	70 A	14.3 SEER	3.5 COP	1071 LBS	1-6
PKHP-2	TRANE	WHC074	2400 CFM	0.5 ft-wg	2.75	300 CFM	76.3 MBH	56.8 MBH	74.7 MBH	18.0 kW	208/30	93.0 A	100 A	14.3 SEER	3.5 COP	1218 LBS	1-7
PKHP-3	TRANE	WSC049	1500 CFM	0.5 ft-wg	1.0	200 CFM	45.7 MBH	37.2 MBH	47.6 MBH	12.0 kW	208/30	55.0 A	60 A	14.3 SEER	3.5 COP	878 LBS	1-6
PKHP-4	TRANE	WSC092	3000 CFM	1.0 ft-wg	3.0	425 CFM	88.7 MBH	68.0 MBH	87.9 MBH	18.0 kW	208/30	93.0 A	100 A	14.3 SEER	3.5 COP	1185 LBS	1-7
PKHP-5	TRANE	WHC024	800 CFM	0.5 ft-wg	0.5	100 CFM	23.8 MBH	17.9 MBH	23.2 MBH	6.0 kW	208/10	36.0 A	40 A	14.3 SEER2	7.0 HSPF2	339 LBS	1-6
PKHP-6	TRANE	WHC074	2400 CFM	1.0 ft-wg	2.75	300 CFM	76.3 MBH	56.8 MBH	74.7 MBH	18.0 kW	208/30	93.0 A	100 A	14.3 SEER	3.5 COP	1218 LBS	1-7
PKHP-7	TRANE	WSC060	2000 CFM	1.0 ft-wg	1.0	250 CFM	59.4 MBH	47.1 MBH	58.0 MBH	12.0 kW	208/30	63.0 A	70 A	14.3 SEER	3.5 COP	1071 LBS	1-6
PKHP-8	TRANE	WHC074	2400 CFM	1.0 ft-wg	2.75	300 CFM	76.3 MBH	56.8 MBH	74.7 MBH	18.0 kW	208/30	93.0 A	100 A	14.3 SEER	3.5 COP	1218 LBS	1-7
PKHP-9	TRANE	WSC060	2000 CFM	1.0 ft-wg	1.0	250 CFM	59.4 MBH	47.1 MBH	58.0 MBH	12.0 kW	208/30	63.0 A	70 A	14.3 SEER	3.5 COP	1071 LBS	1-6
PKHP-10	TRANE	WHC074	2400 CFM	1.0 ft-wg	2.75	300 CFM	76.3 MBH	56.8 MBH	74.7 MBH	18.0 kW	208/30	93.0 A	100 A	14.3 SEER	3.5 COP	1218 LBS	1-7

- PROVIDE WITH HEAVY DUTY FUSIBLE DISCONNECT.
- PROVIDE WITH ROOF CURB AND HAL GUARDS.
- PROVIDE WITH MERV 13 DISPOSABLE FILTER.
- PROVIDE WITH OUTSIDE AIR INTAKE WEATHER HOOD WITH WASHABLE METAL FILTER.
- PROVIDE WITH PROGRAMMABLE THERMOSTAT.
- PROVIDE SIMPLE ENGINEERED SOLUTIONS DEHUMIDIFICATION CONTROL MODULE WITH WALL MOUNTED HUMIDISTAT.
- PROVIDE WITH POWER EXHAUST AND ENTHALPY CONTROLLED ECONOMIZER.

A/C FAN COIL SCHEDULE

MARK	MAKE	MODEL	CFM	MCA	MARK	MAKE	MODEL	TOTAL COOL	POWER	MCA	MCOCP	SEER	NOTES
AC-14	DAIKIN	FTQ18WVJU9	448 CFM	0.5 A	CU-14	DAIKIN	RK18NMAJU	18.0 MBH	208/10	18.3 A	20 A	18.0	1-6
AC-15	DAIKIN	FTQ18WVJU9	417 CFM	0.3 A	CU-15	DAIKIN	RK18NMAJU	9.0 MBH	208/10	12.1 A	15 A	18.0	1-6

- PROVIDE FUSIBLE DISCONNECT ON OUTDOOR UNIT.
- PROVIDE MOTOR RATED SWITCH FOR INDOOR UNIT.
- PROVIDE WITH CONDENSATE PUMP AND ROUTE DISCHARGE TO ROOF.
- PROVIDE WITH HARDWIRED THERMOSTAT.
- PROVIDE WITH LOW AMBIENT CONTROLS DOWN TO 0°F.

EXHAUST FAN SCHEDULE

MARK	MAKE	MODEL	SERVICE	TYPE	CFM	HP(WH/WATTS)	S.P.	POWER	NOTES
EF-1	COOK	GC-140	PRIVATE RESTROOM	CABINET FAN	105 CFM	1500	67 W	0.25 ft-wg	120/10 1-3
EF-2	COOK	GC-160	SHOWER RESTROOM	CABINET FAN	170 CFM	1500	105 W	0.25 ft-wg	120/10 1-3
EF-3	COOK	GC-160	JANITOR	CABINET FAN	160 CFM	1500	95 W	0.25 ft-wg	120/10 1-3
EF-4	COOK	GC-140	JANITOR	CABINET FAN	105 CFM	1500	67 W	0.25 ft-wg	120/10 1-3

- PROVIDE WITH DISCONNECT SWITCH.
- PROVIDE WITH BACKDRAFT DAMPER.
- CONTROL VIA LIGHT SWITCH BY E.C.
- CONTROL VIA WALL SWITCH BY E.C.

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE, ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (M.C).
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMAN. THE M.C. SHALL COORDINATE ALL OF THEIR WORK WITH ALL OTHER CONTRACTORS.
- THE MECHANICAL PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCES SHALL BE BROUGHT TO THE ENGINEERS' ATTENTION.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
- THE M.C. SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS, INTERLOCKS, CONTROL WIRING, THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER WIRING, CONDUIT FROM THE DISCONNECT TO M.C. EQUIPMENT. THE M.C. SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTION TO THEIR EQUIPMENT.
- INSTALL FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCTWORK AT ALL AIR HANDLING UNITS.
- INSTALL TURNING VANES IN ALL DUCTS AT ELBOWS. PROVIDE BALANCING AND SPLITTER DAMPERS WHERE SHOWN AND AS REQUIRED FOR SYSTEM BALANCING.
- ALL THERMOSTATS, WIRING AND CONDUIT ARE TO BE FURNISHED BY THE M.C. MOUNT THERMOSTATS 4'-0" ABOVE THE FLOOR, UNLESS OTHERWISE NOTED.
- THE M.C. SHALL INSURE THAT ALL MECHANICAL EQUIPMENT INSTALLED UNDER THEIR CONTRACT SHALL OPERATE FREE OF OBJECTIONABLE NOISE AND VIBRATION.
- THE M.C. SHALL KEEP THE PREMISES CLEAR OF DEBRIS FROM THEIR WORK DURING CONSTRUCTION AND LEAVE THE AREA AND BUILDING CLEAN AT THE COMPLETION OF THEIR WORK. THEY SHALL ALSO LEAVE ALL EXPOSED EQUIPMENT IN THEIR CONTRACT.
- FLEXIBLE DUCT RUNOUTS SHALL BE A MAXIMUM OF 14'-0".
- ALL FLEXIBLE DUCT RUNOUTS SHALL INCLUDE INSULATED DAMPERED BOOTS AT THE POINT OF CONNECTION WITH RECTANGULAR DUCT. PROVIDE ALL FLEXIBLE DUCTWORK WITH FOIL-BACKED, EXTERNALLY WRAPPED INSULATION FOR A MINIMUM OF R-8.
- ALL DUCTWORK SIZES SHOWN ARE ACTUAL SHEET METAL DIMENSIONS. EXTERNALLY WRAP ALL DUCT WITH 3" FOIL-BACKED INSULATION FOR A MINIMUM OF R-8.
- MECHANICAL CONTRACTOR SHALL WORK WITH TEST AND BALANCE CONTRACTOR TO REMEDY ANY DIFFERENCES TO INCLUDE FAN DRIVE CHANGES, INSTALLATION OF DAMPERS OR OTHER MINOR DUCT MODIFICATIONS TO PROVIDE AIRFLOW TO WITHIN +/- 10% OF THE DESIGN VALUES LISTED ON THESE PLANS.
- MECHANICAL CONTRACTOR SHALL WORK WITH TEST AND BALANCE CONTRACTOR TO REMEDY ANY DIFFERENCES TO INCLUDE FAN DRIVE CHANGES, INSTALLATION OF DAMPERS OR OTHER MINOR DUCT MODIFICATIONS TO PROVIDE AIRFLOW TO WITHIN +/- 10% OF THE DESIGN VALUES LISTED ON THESE PLANS.
- INSTALL A RETURN AIR DUCTWORK MOUNTED SMOKE DETECTOR IN EACH UNIT. SMOKE DETECTOR PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY MECHANICAL CONTRACTOR. WIRE TO SHUT DOWN UNIT. PROVIDE AUXILIARY CONTACTS ON EACH DUCT DETECTOR FOR ALARM AND TROUBLE CONDITIONS. AUDIBLE AND VISUAL SIGNAL PROVIDE THROUGH FIRE ALARM CONTROL PANEL.
- THE AIR HANDLING UNIT SHALL OPERATE AT ALL TIMES DURING OCCUPIED HOURS.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS UPON COMPLETION OF JOB.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF DUCT SHOP DRAWINGS FOR APPROVAL.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BALANCE REPORT BY A CERTIFIED TEST AND BALANCE COMPANY.
- PROVIDE PERMIT LABEL ENGRAVED PLASTIC LAMINATE MECHANICALLY FASTENED TO OUTDOOR UNITS.
- LABEL CEILING GRID WHERE EQUIPMENT IS LOCATED ABOVE LAY-IN CEILING, WITH EQUIPMENT IDENTIFIER. ALSO LABEL ALL TEMPERATURE SENSORS AND THERMOSTATS WITH EQUIPMENT IDENTIFIER.

SYMBOL LEGEND

SYMBOL	DESCRIPTION
	SHEET METAL DUCT
	FLEXIBLE DUCT
	SUPPLY DIFFUSER - LETTER & NUMBER INDICATES TYPE & CFM
	RETURN GRILLE - LETTER & NUMBER INDICATES TYPE & CFM
	EXHAUST FAN
	THERMOSTAT - MOUNTED AIR ABOVE FINISHED FLOOR
	BALANCING DAMPER
	ELBOW WITH TURNING VANES
	DUCT-MOUNTED SMOKE DETECTOR - PROVIDED BY E.C. & INSTALLED BY THE MECHANICAL CONTRACTOR - WIRE TO SHUT DOWN UNIT

OUTSIDE AIR SCHEDULE

REQUIRED:

OFFICE SPACE - 17,986 SQFT * 0.06 CFM/SQFT = 330 PEOPLE * 5 CFM/PERSON = 2,729 CFM

TOTAL REQUIRED = 2,729 CFM

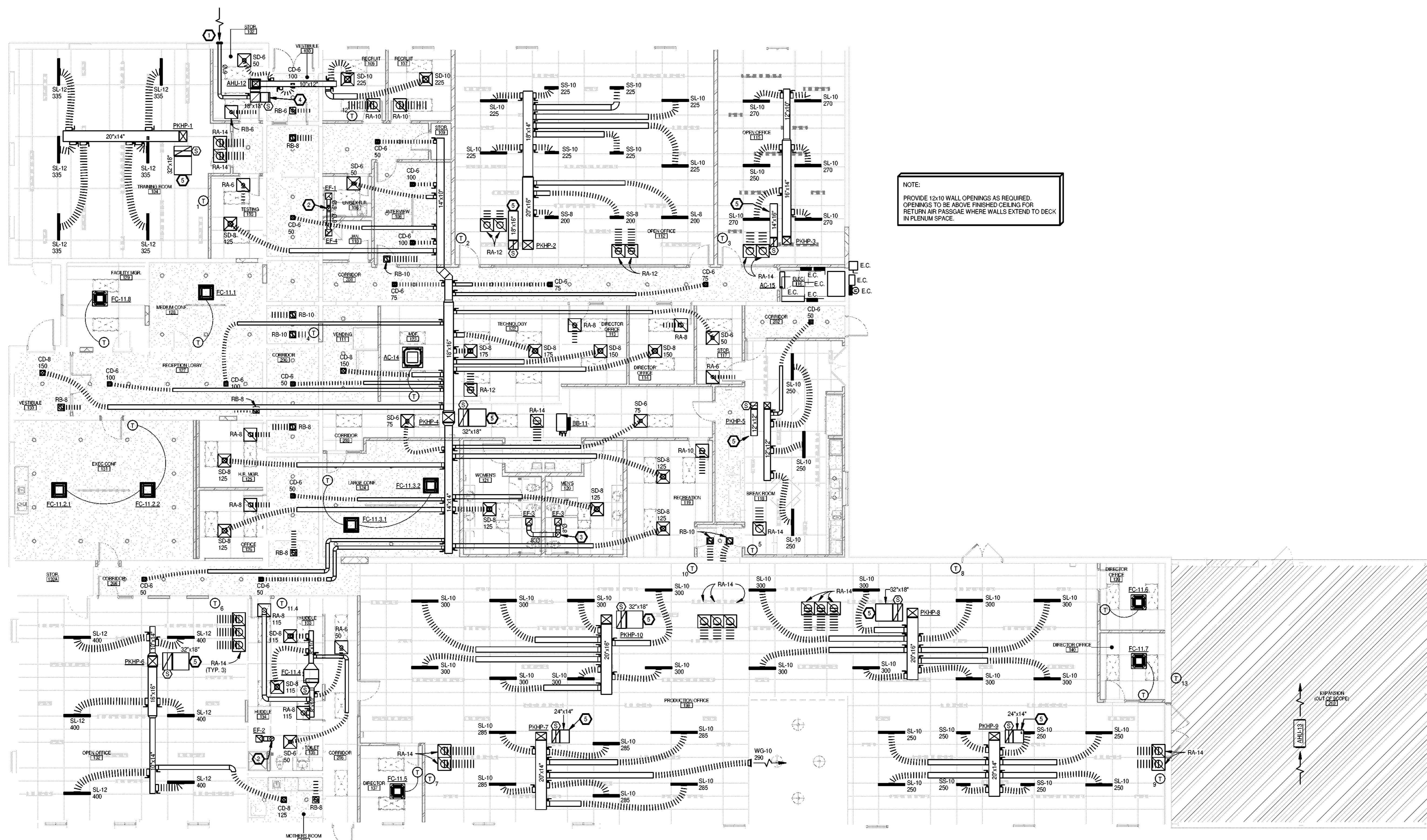
PROVIDED:

PKHP-1 - 250 CFM
 PKHP-2 - 300 CFM
 PKHP-3 - 200 CFM
 PKHP-4 - 425 CFM
 PKHP-5 - 100 CFM
 PKHP-6 - 300 CFM
 PKHP-7 - 250 CFM
 PKHP-8 - 300 CFM
 PKHP-9 - 250 CFM
 PKHP-10 - 300 CFM
 AHU-12 - 75 CFM

TOTAL PROVIDED = 2,750 CFM

NOTE:
SCHEDULED EQUIPMENT IS BASED ON R-410A REFRIGERANT. IF EQUIPMENT USING AN A2L REFRIGERANT IS USED AS AN EQUIVALENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION COSTS, AND LABOR FOR ALL REFRIGERANT MONITORING AND SAFETY EQUIPMENT REQUIRED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PRIOR TO PURCH

- M1.1 KEY NOTES**
1. ROUTE 6" O.D. OUTSIDE AIR DUCT TO EXTERIOR. TERMINATE WITH WALL CAP.
 2. ROUTE 6" O.D. EXHAUST DUCT TO ROOF. TERMINATE WITH ROOF CAP.
 3. ROUTE 18" O.D. EXHAUST DUCT TO ROOF. TERMINATE WITH ROOF CAP.
 4. PROVIDE OPEN ENDED RETURN DUCT ABOVE FINISHED CEILING IN PLENUM SPACE.
 5. PROVIDE 1" ACOUSTIC DUCT LINER INSULATION IN OPEN ENDED RETURN DUCT BACK TO ROOFTOP UNIT FOR SOUND ATTENUATION.



Copyright © 2022 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

IMEG 3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
P: 919.571.1111
www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COMPONENTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG.
©2022 IMEG CONSULTANTS, INC.

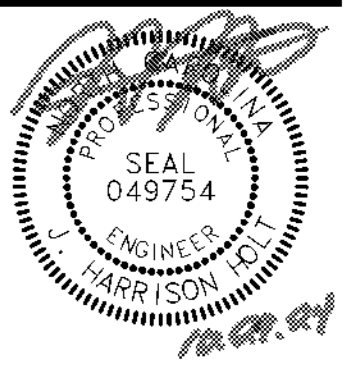
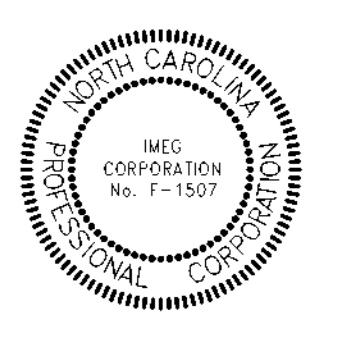
North Carolina Design Registration # 16107

1" = 1'-0"

REF. SCALE IN INCHES PROJECT 24081

M1.1 MECHANICAL RENOVATION PLAN

RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

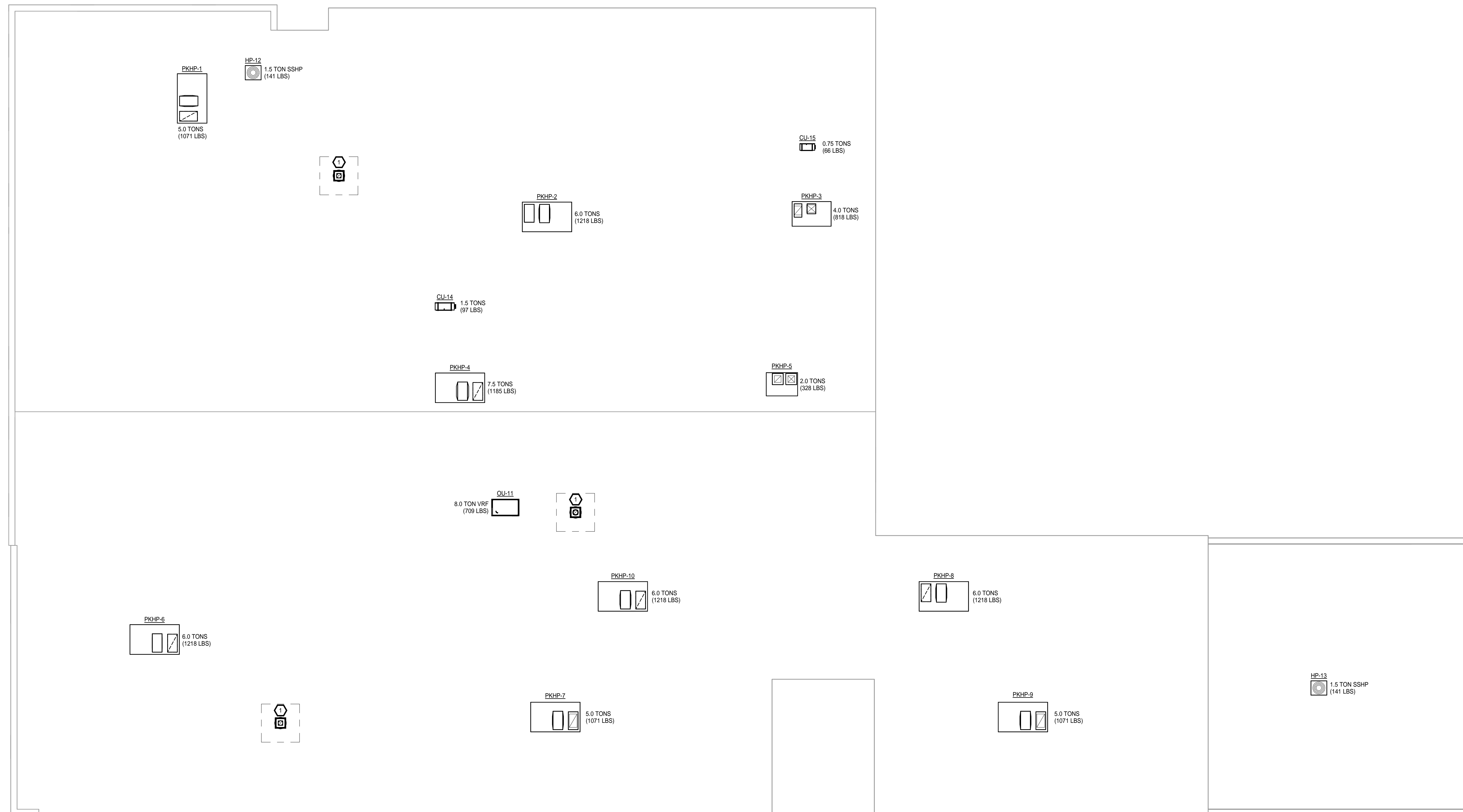
Date: 10/30/2024
Project No.: 24002

Drawn By: JHH
Sheet No.: M1.1

Checked By: JHH
Sheet Title: MECHANICAL PLAN

M1.2 KEY NOTES

- 1 EXHAUST ROOF CAP. MAINTAIN A MINIMUM OF 10'-0" FROM ROOFTOP UNIT OUTSIDE AIR INTAKE OPENINGS.



Copyright © 2020 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

IMEG
 3221 BLUE RIDGE ROAD
 SUITE 113
 RALEIGH, NC 27612
 P: 919.571.1111
 www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG.
©2020 IMEG CONSULTANTS, CORP.

North Carolina Design Registration #1-1507

SCALE IN INCHES
 1 2 3
 PROJECT #24001

M1.2 MECHANICAL ROOF PLAN

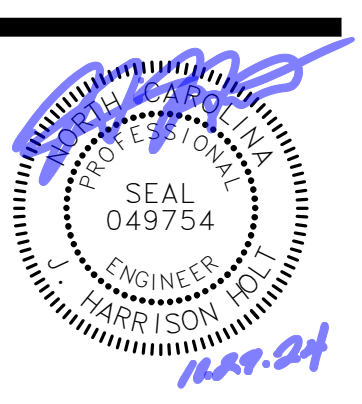
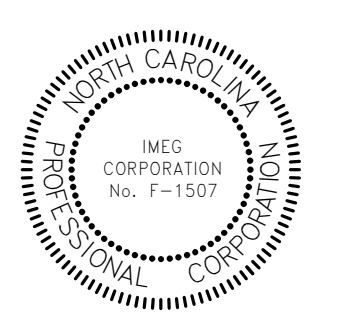
1/8" = 1'-0"

OAKLEY COLLIER ARCHITECTS
OCA
 157 Condrews Rd., Bechtel, Mount Airy, NC 27654, (717) 352-9373, 2500
 305 N. Hudson Street, Raleigh, NC 27601

ATLANTEC ENGINEERS, PA
 IMEG
 3221 BLUE RIDGE ROAD, SUITE 113
 RALEIGH, NC 27612
 (919) 571-1111

24081

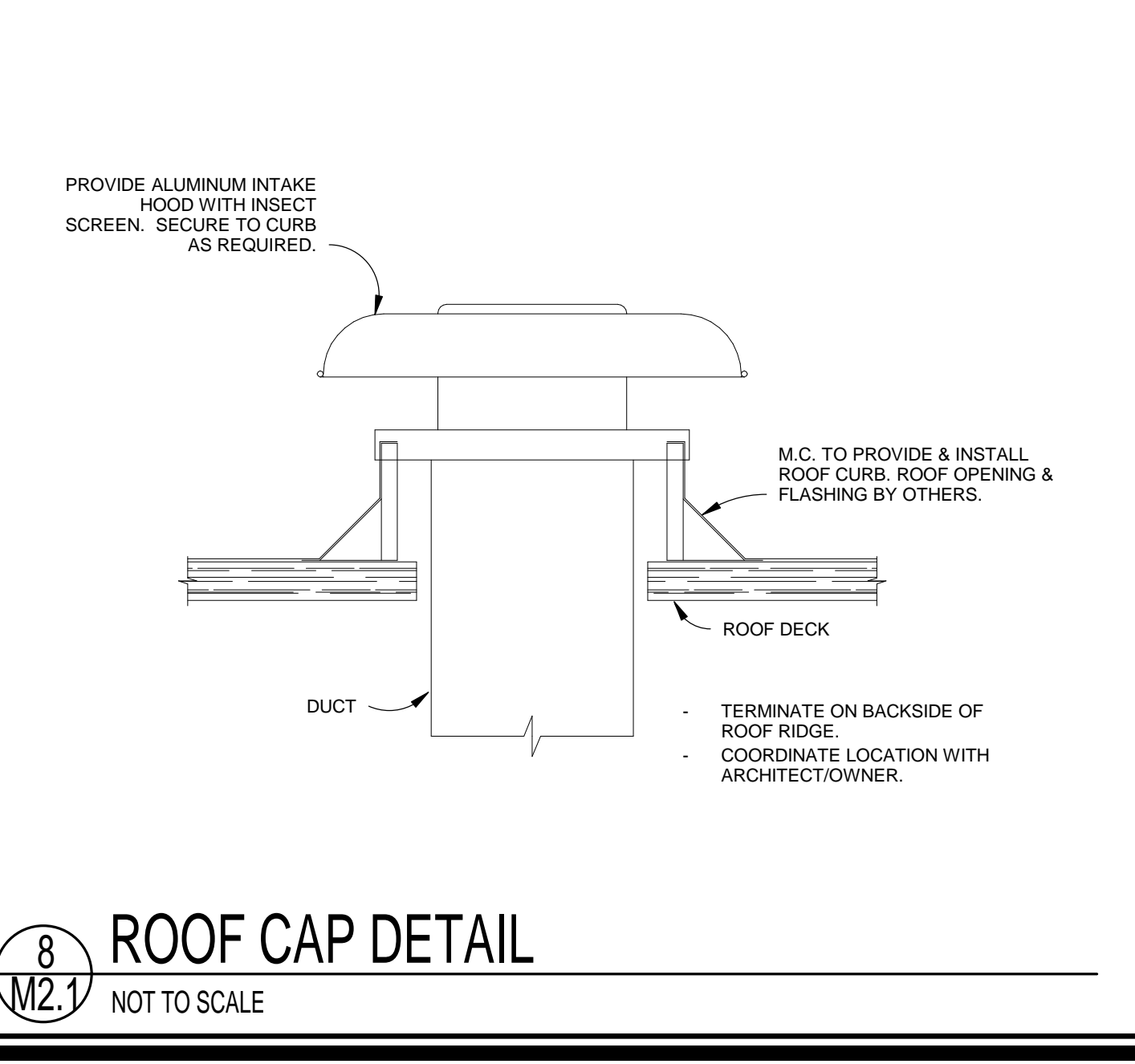
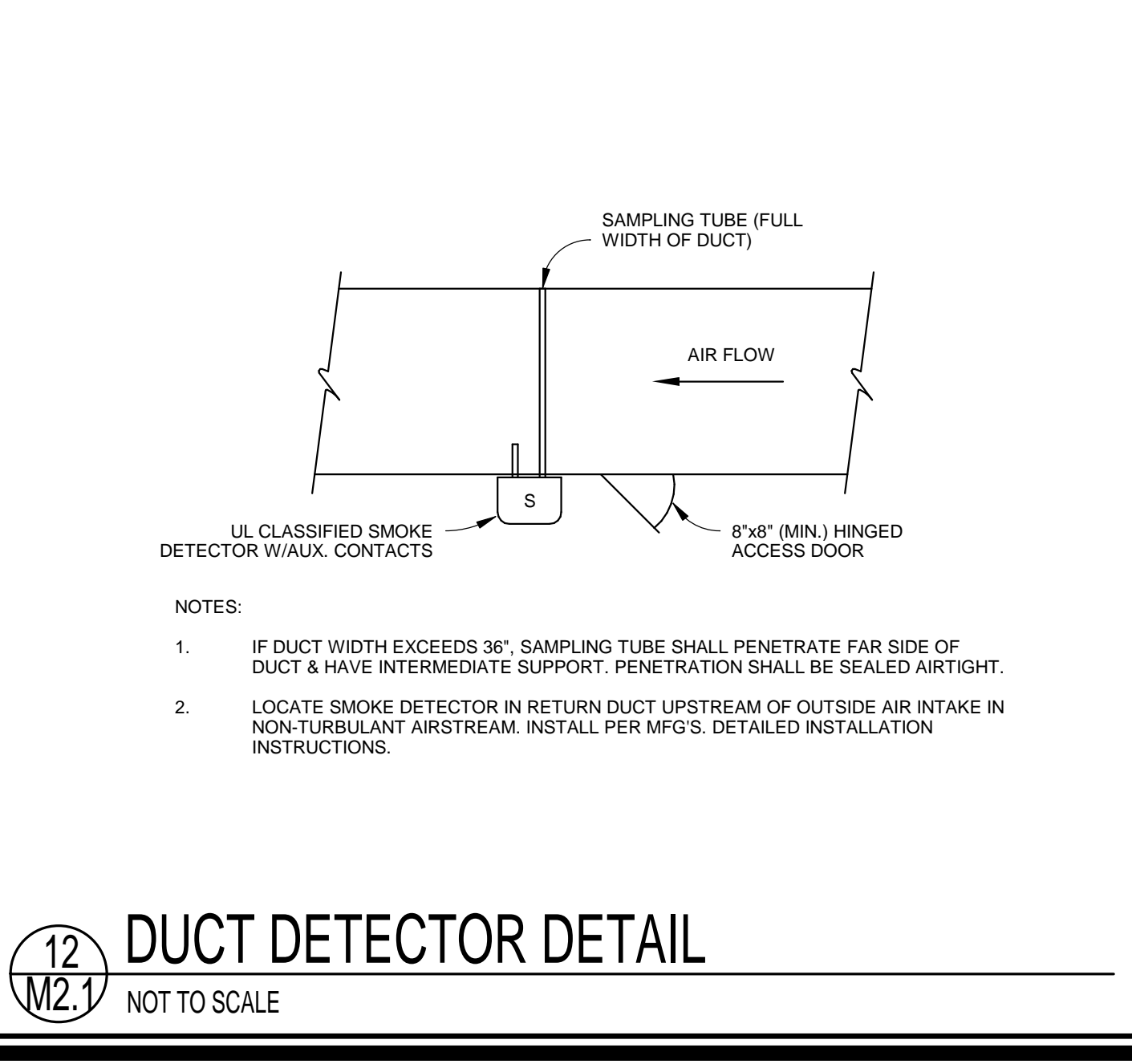
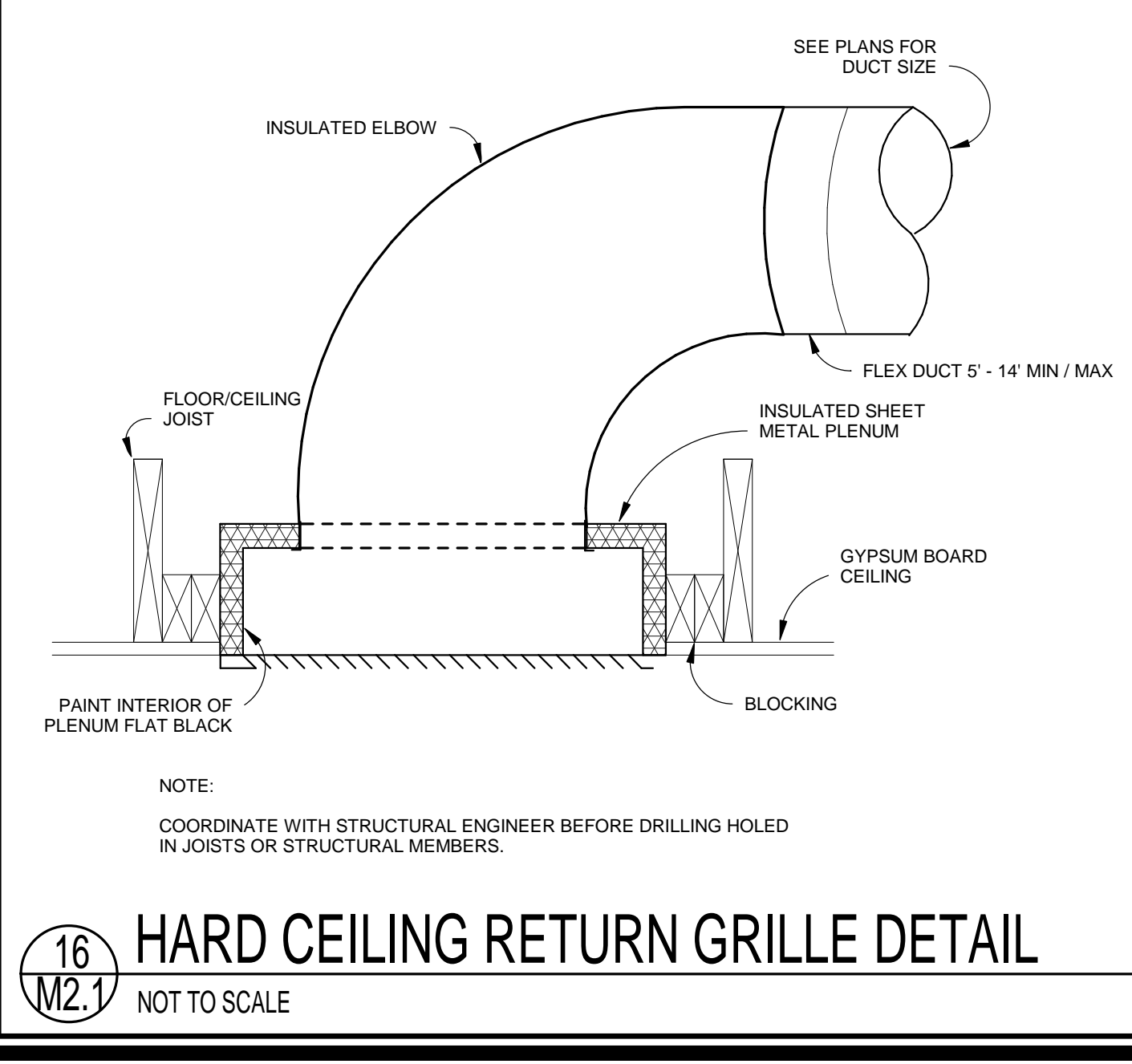
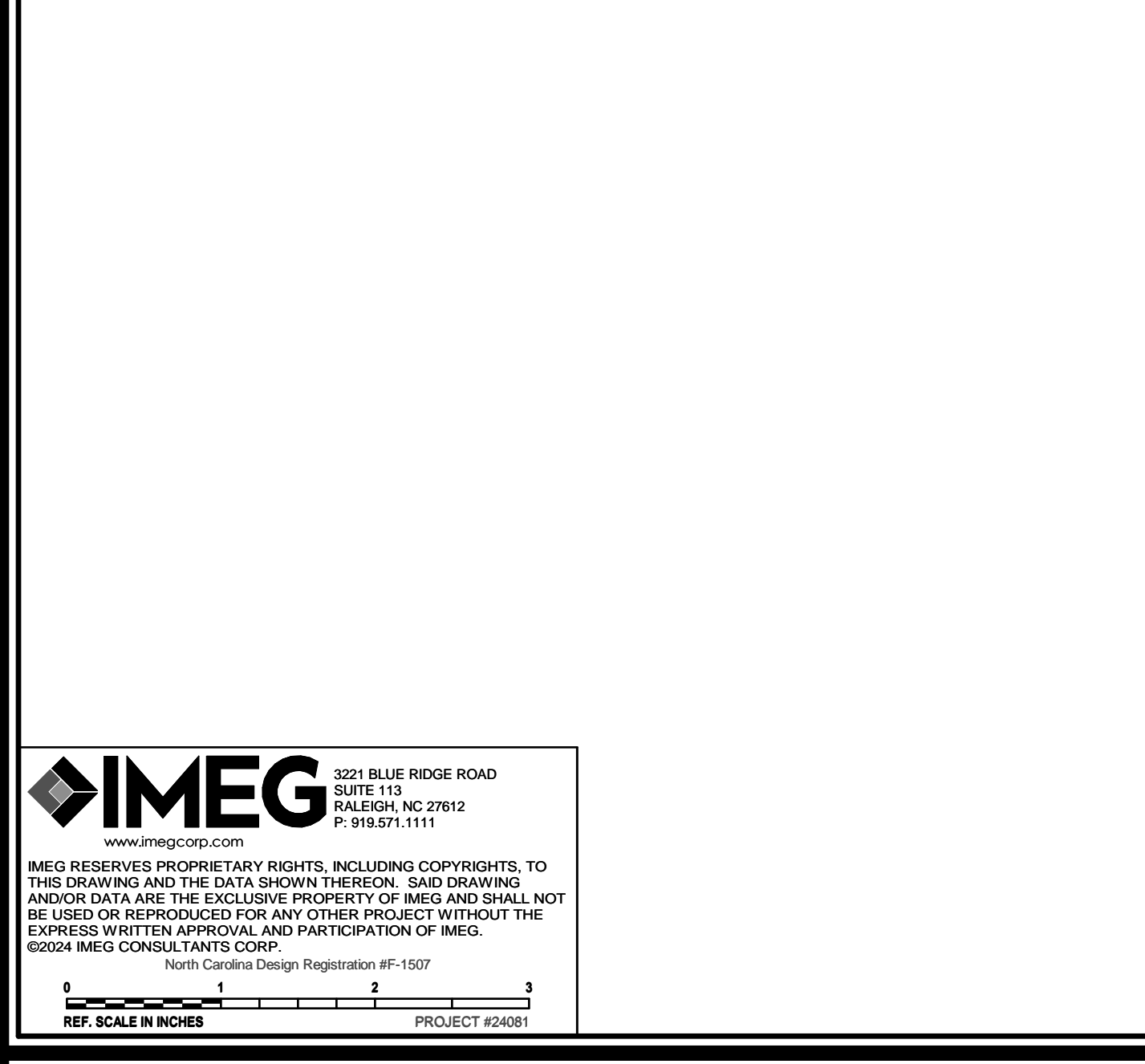
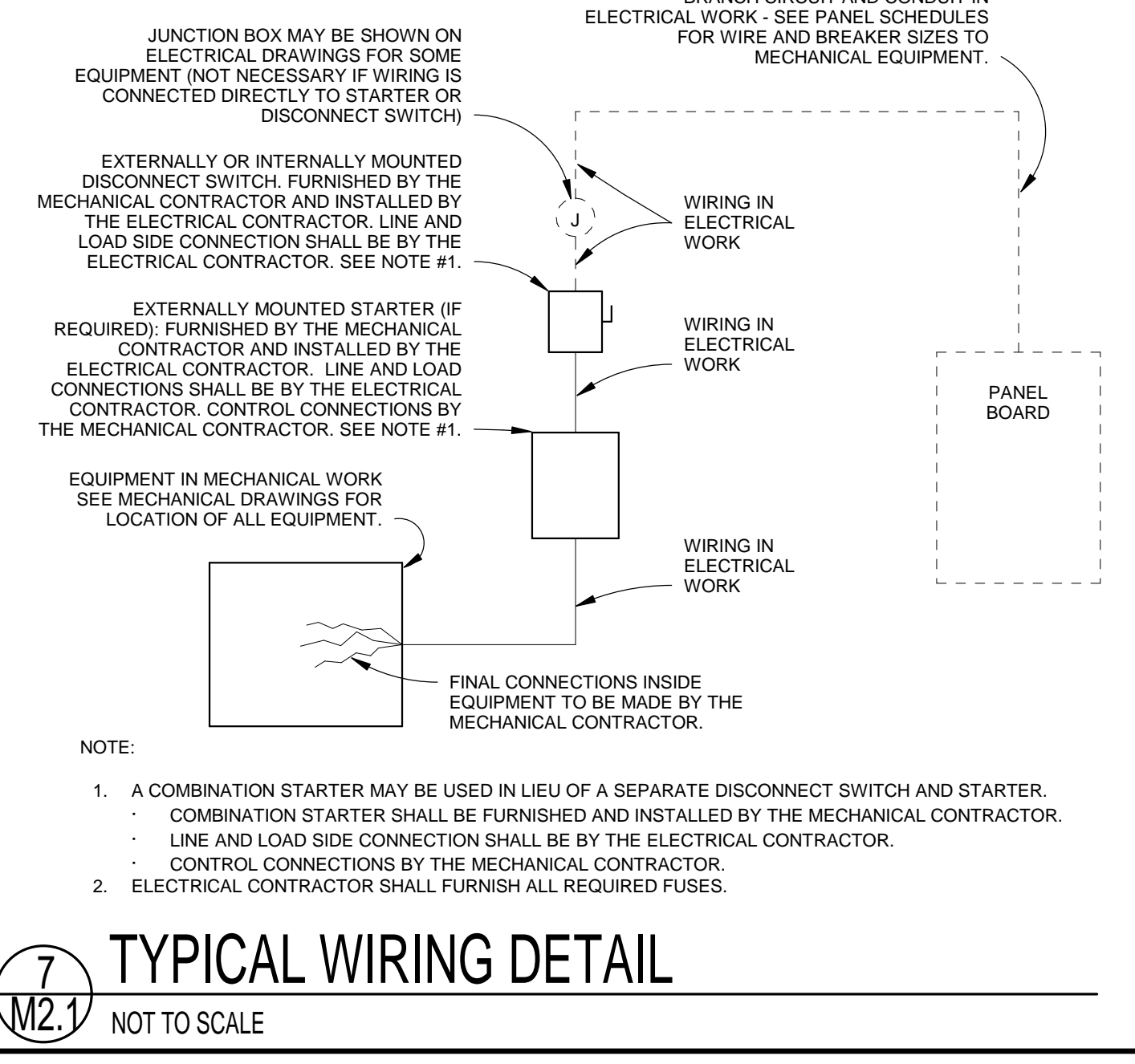
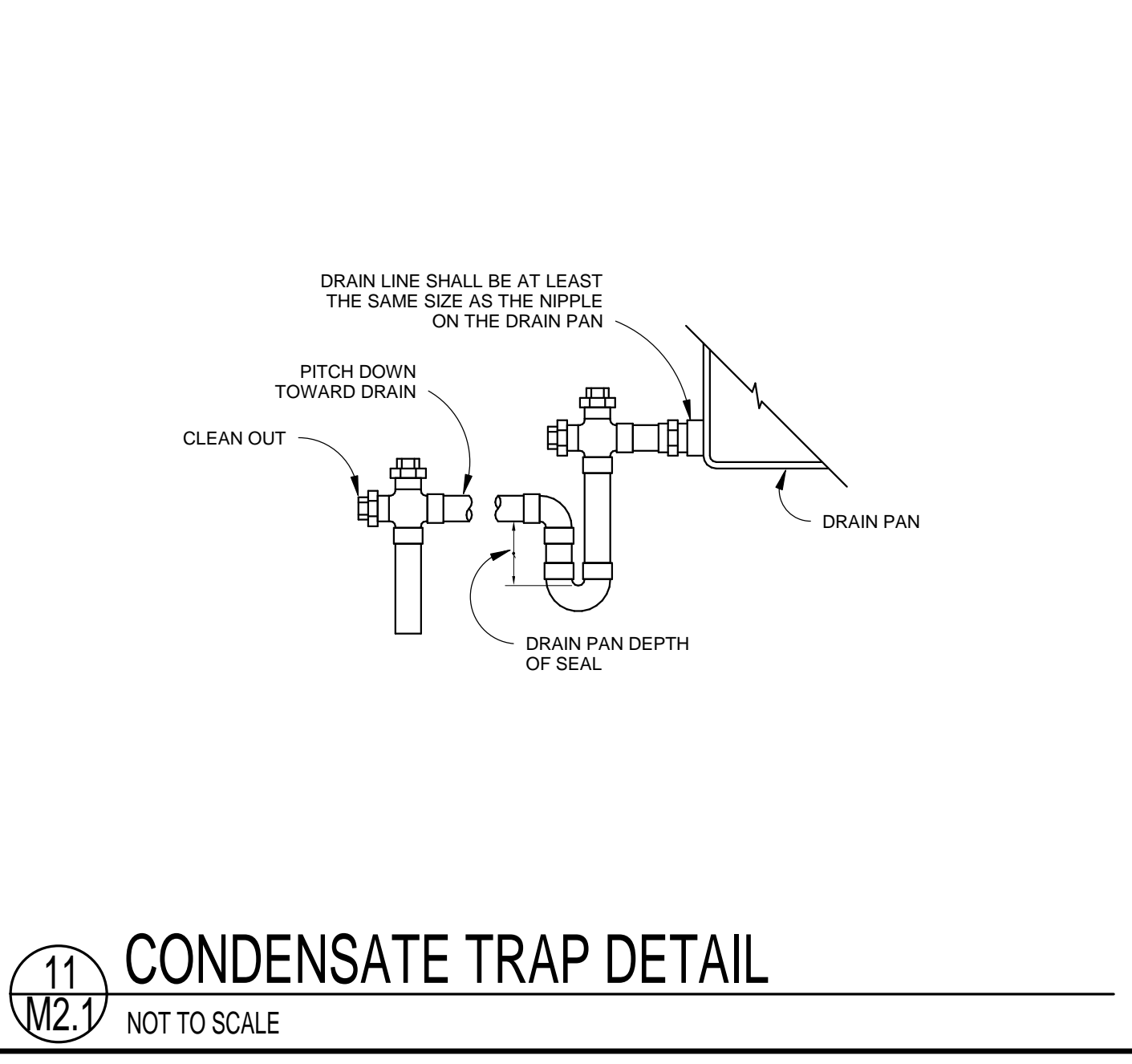
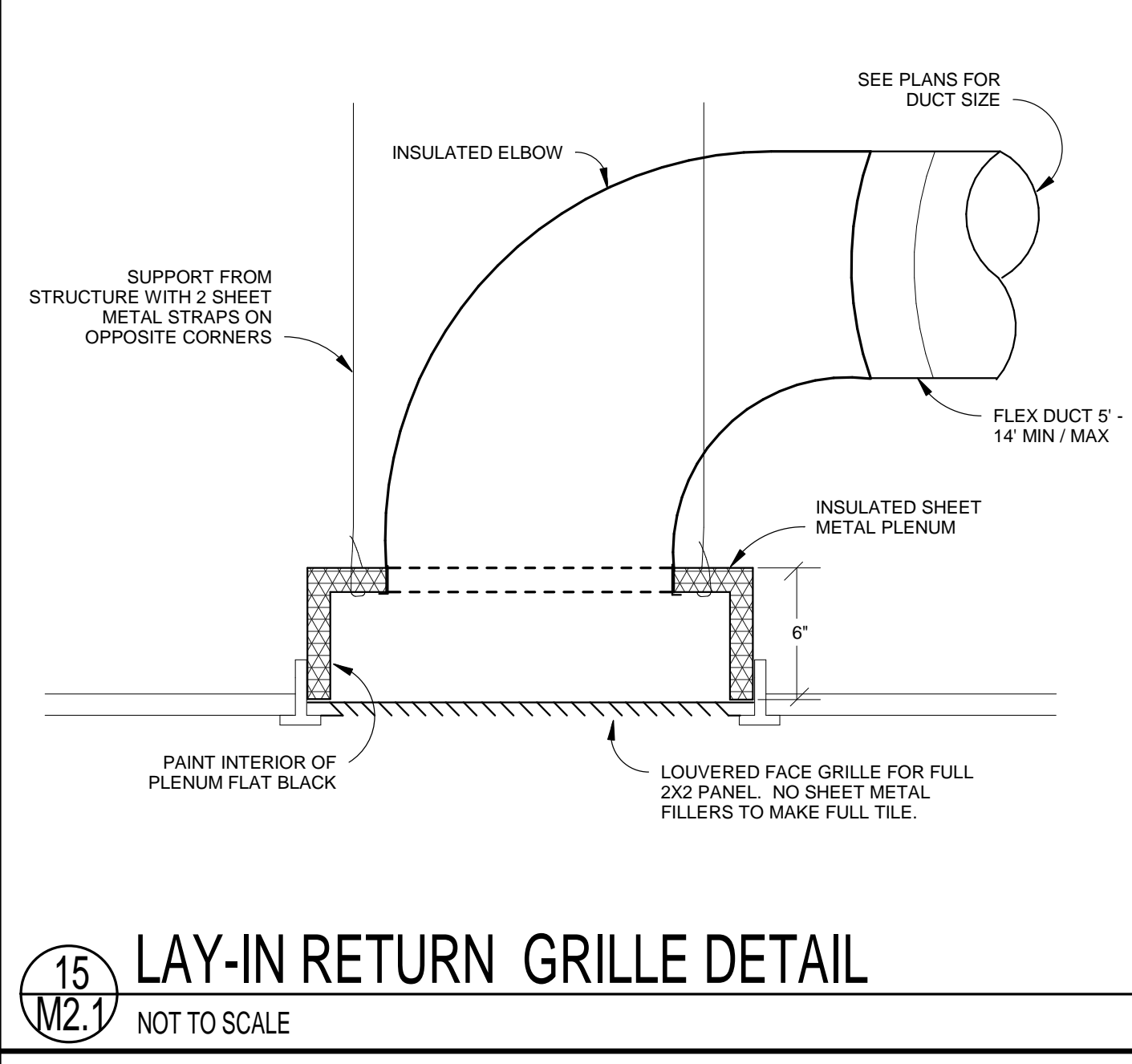
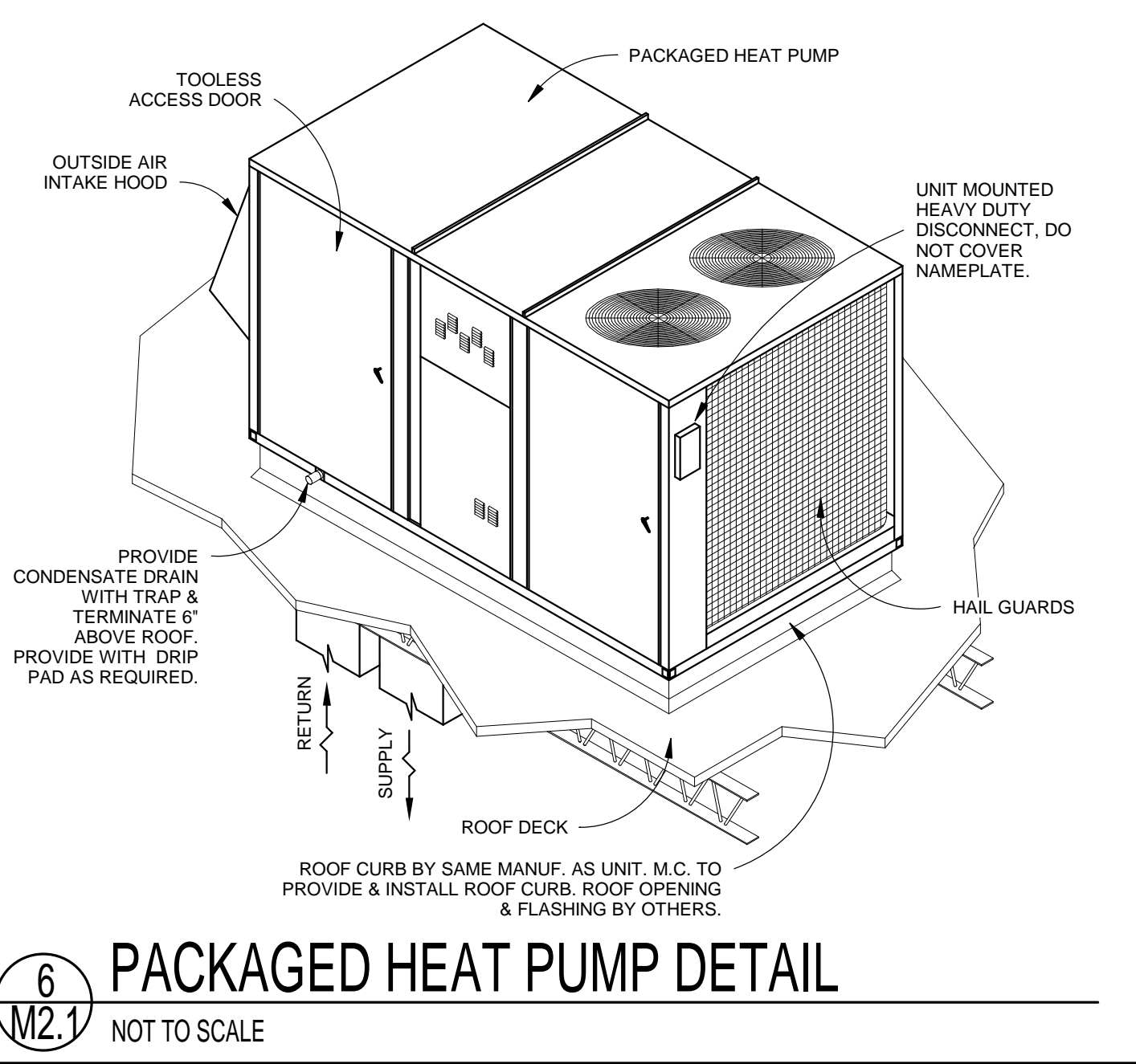
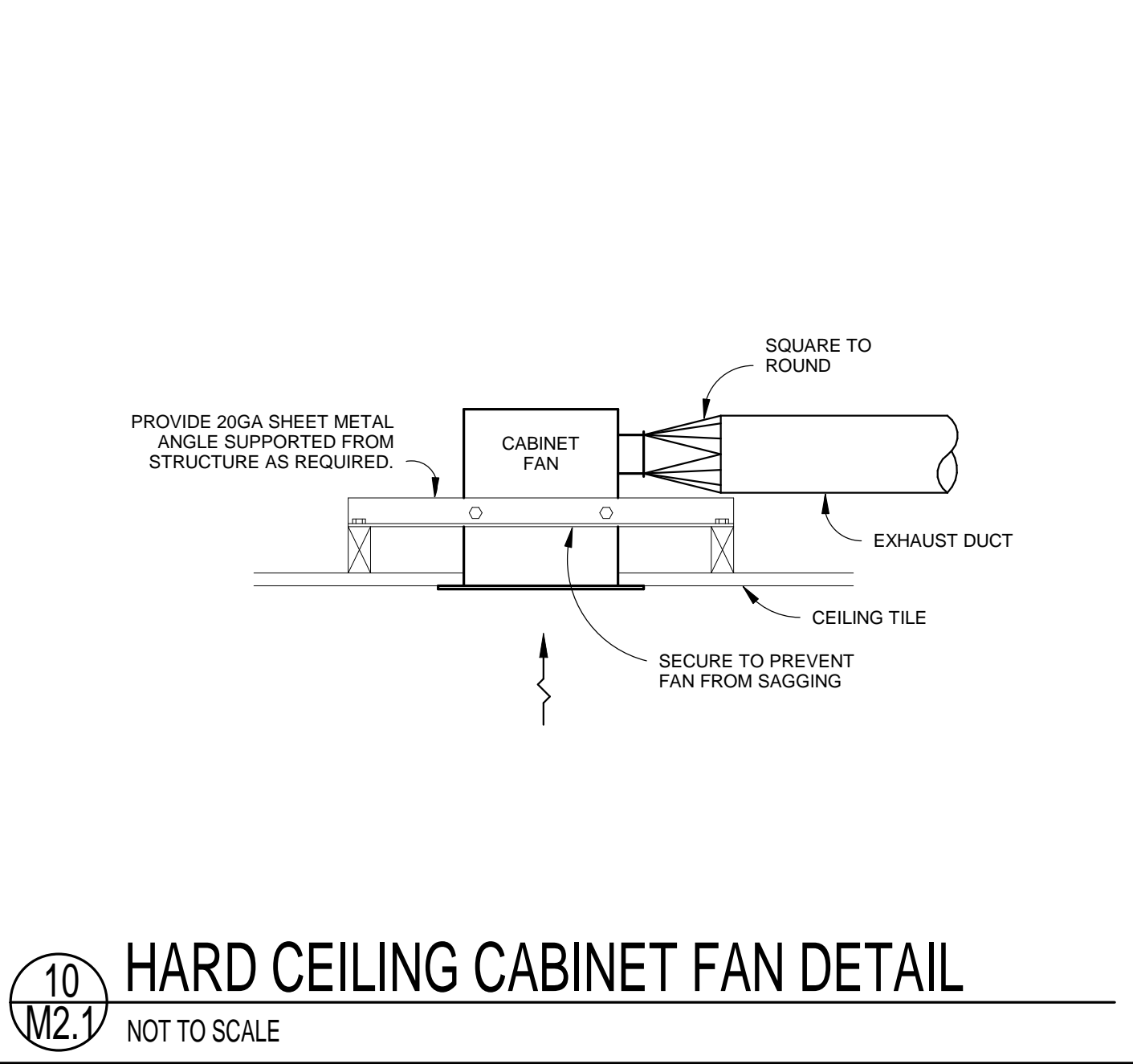
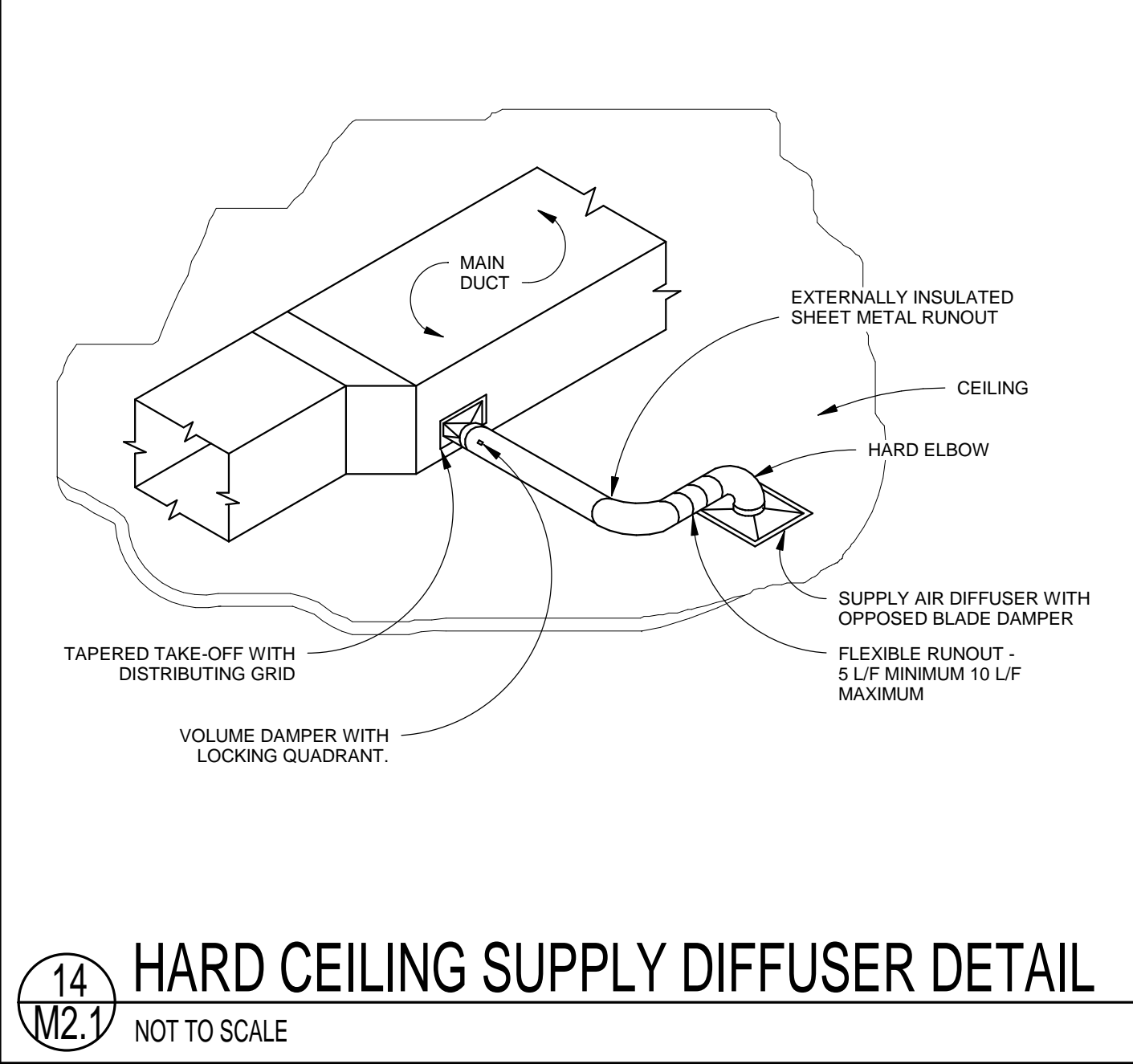
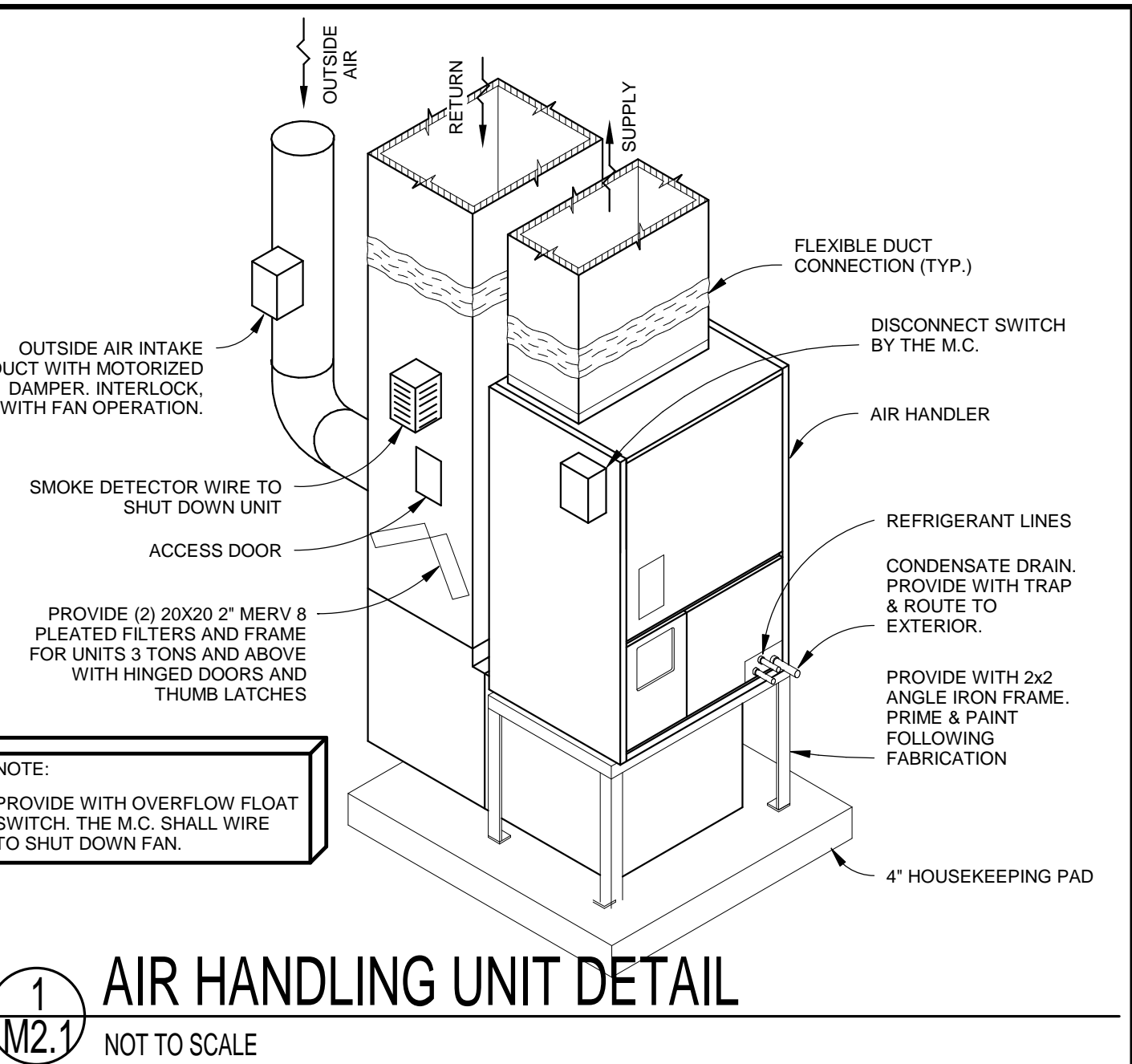
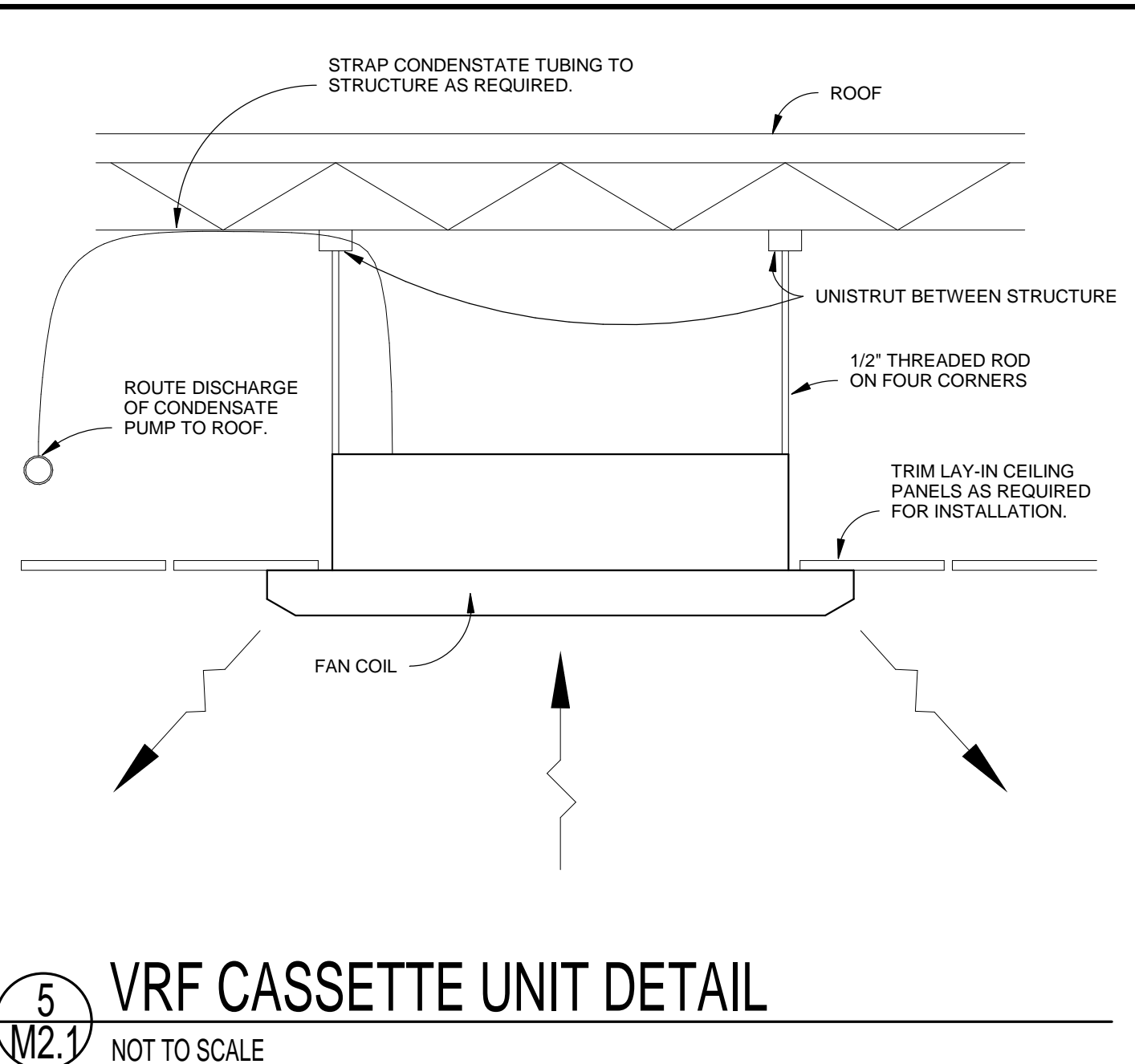
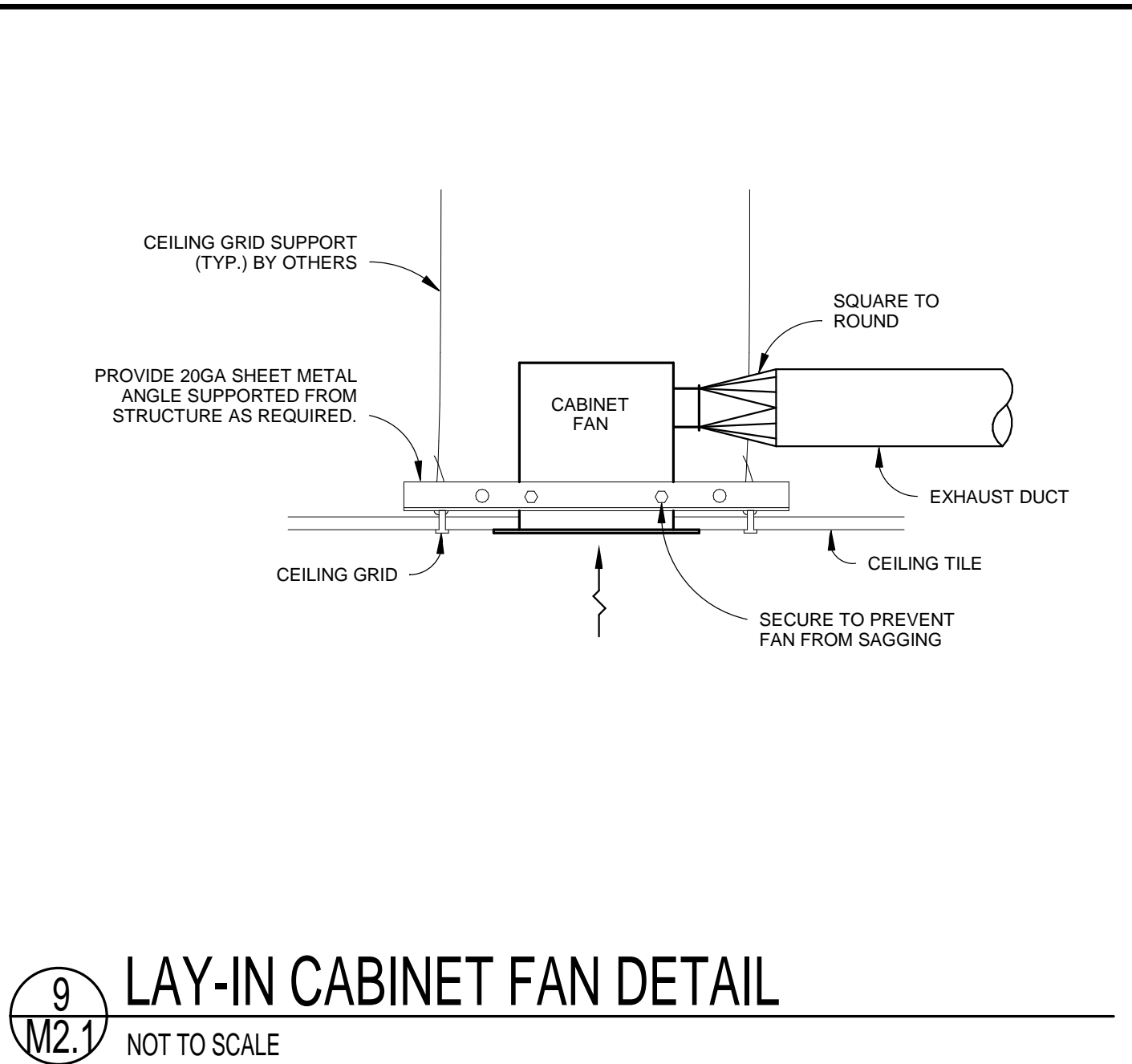
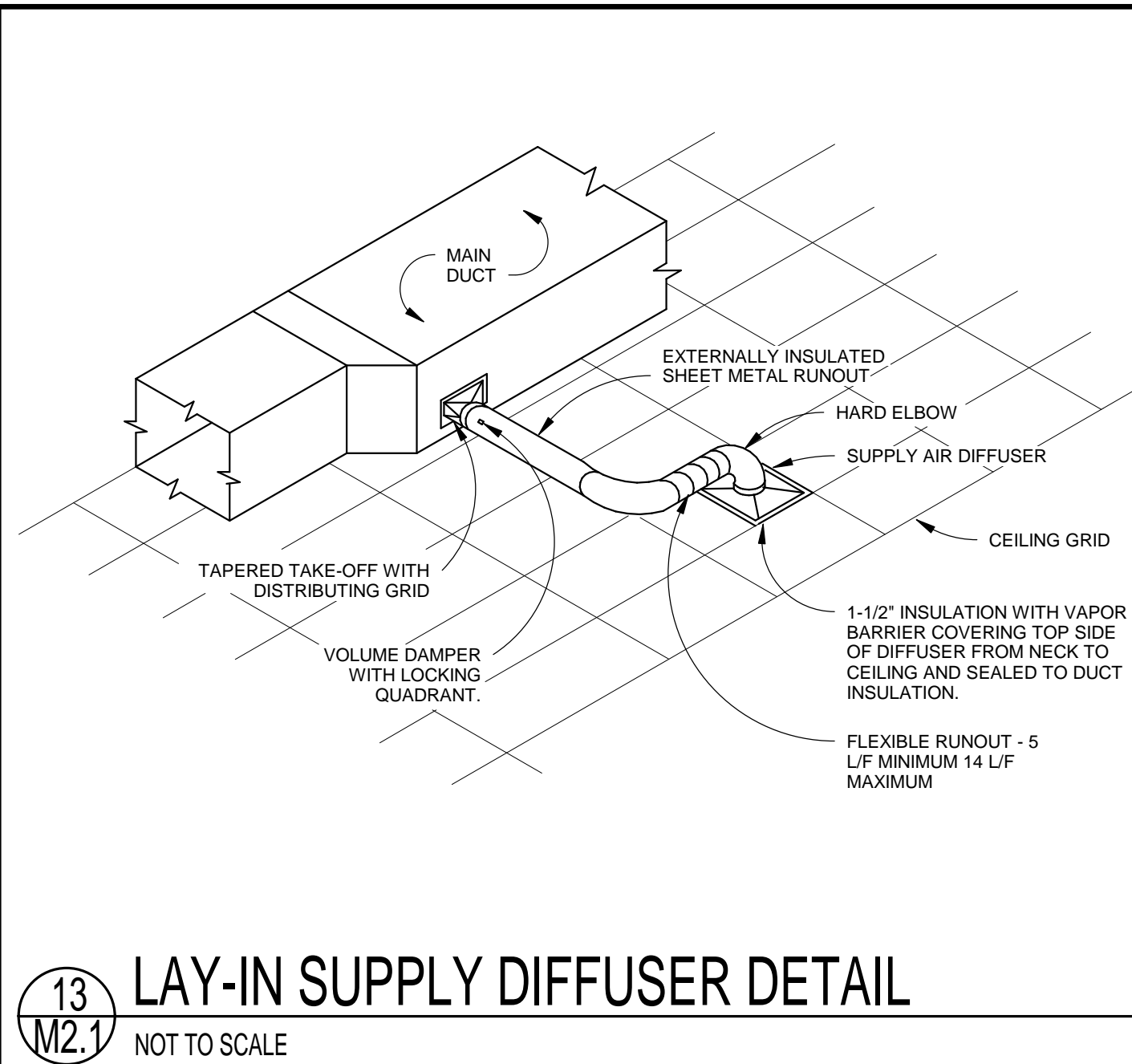
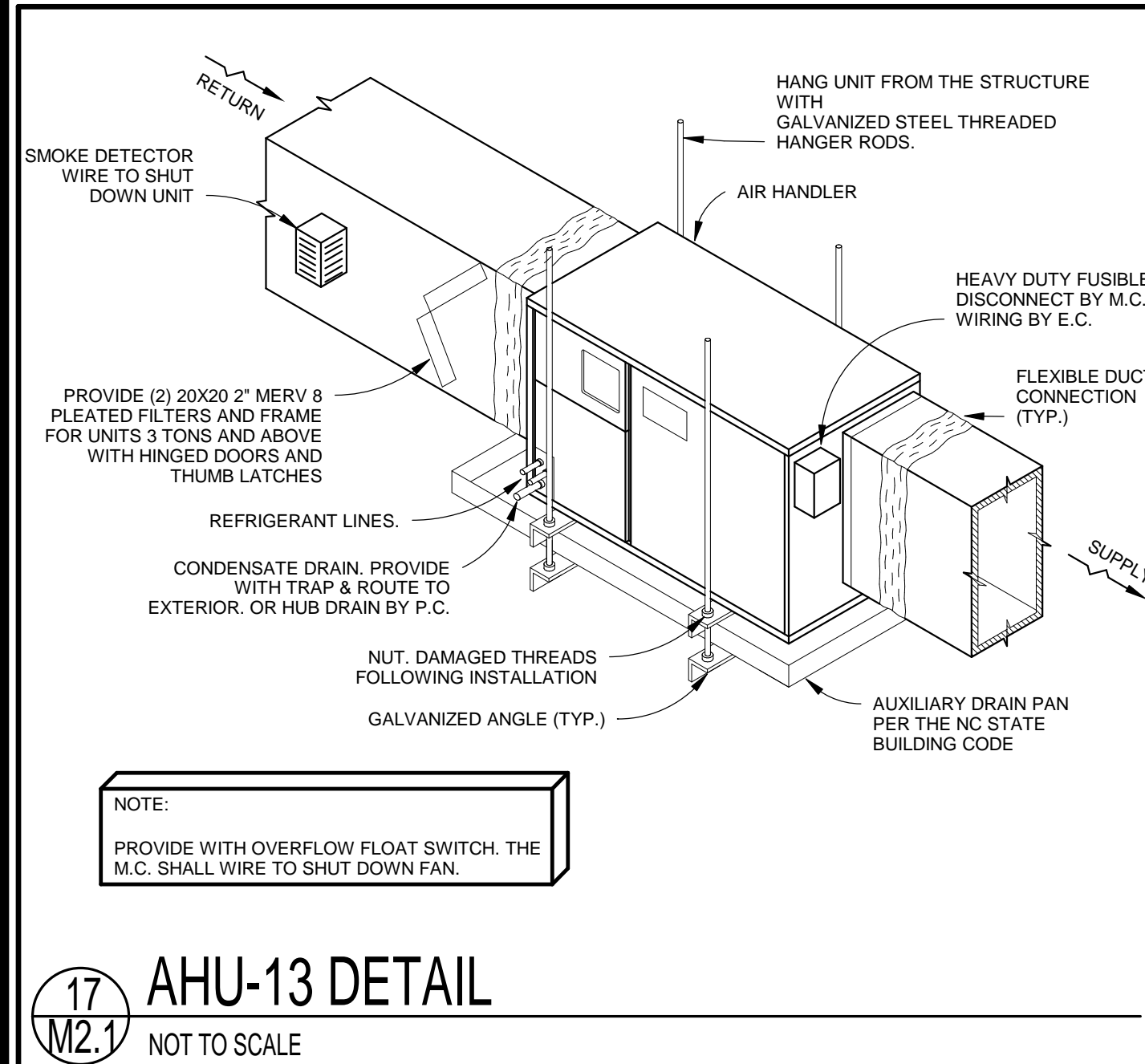
RENOVATION FOR:
PROVALUS
 CITY OF WHITEVILLE
 127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
JHH	M1.2
Checked By	
JHH	
	Sheet Title
	MECHANICAL ROOF PLAN



IMEG
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
P: 919.571.1111
www.imegcorp.com

MEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWINGS AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG. ©2024 IMEG CONSULTANTS, CORP.

North Carolina Design Registration #1-1507

SCALE IN INCHES PROJECT #24001

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS
157 Condemned Road, Raleigh, NC 27604, (919) 252-9373/25200
305 N. Western Street, Raleigh, NC 27601

ATLANTEC ENGINEERS, PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111
24081

RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC

MECHANICAL CONTRACTOR
IMEG CORPORATION
No. F-1507
157 COND EMBL
157 COND EMBL
157 COND EMBL

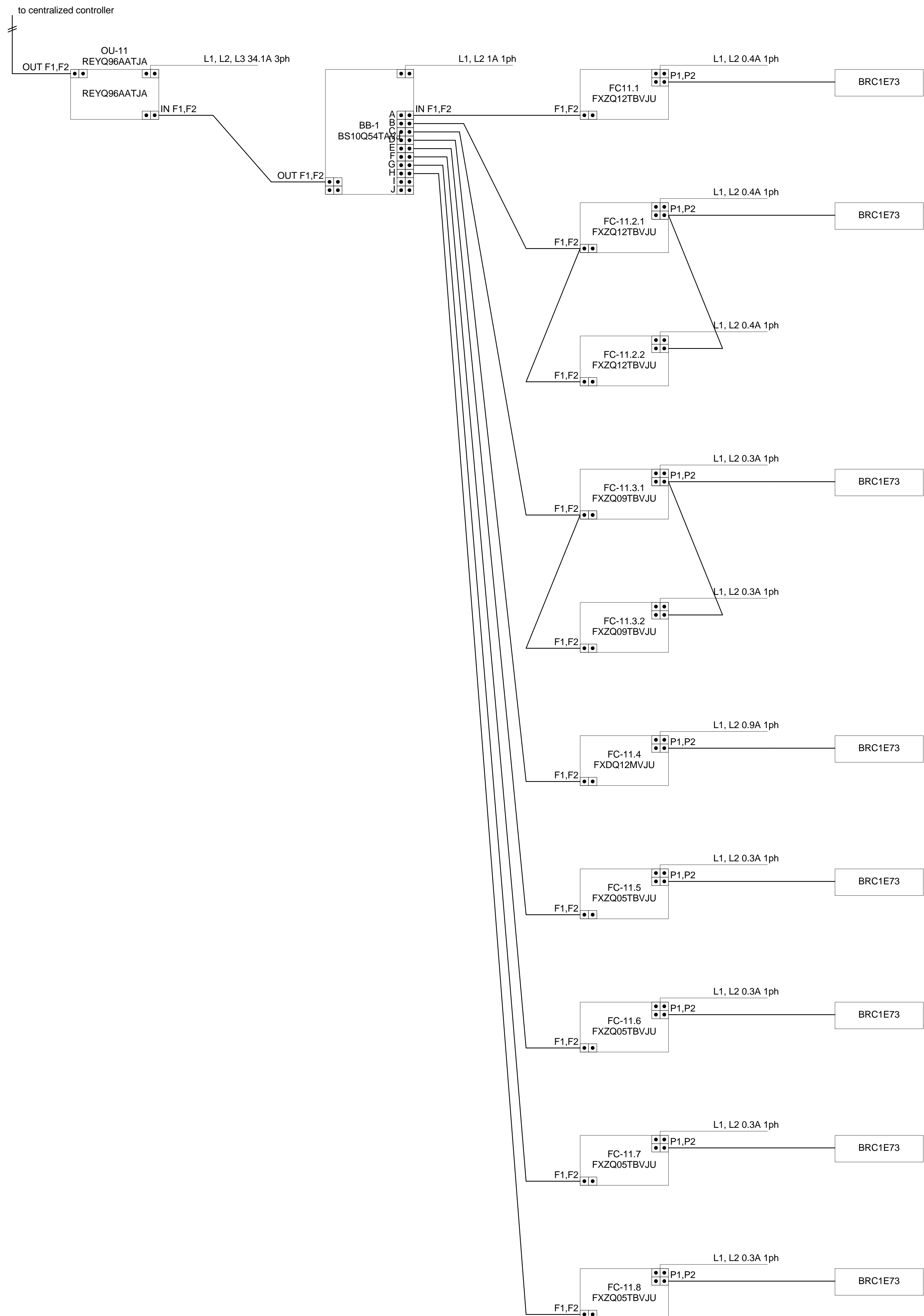
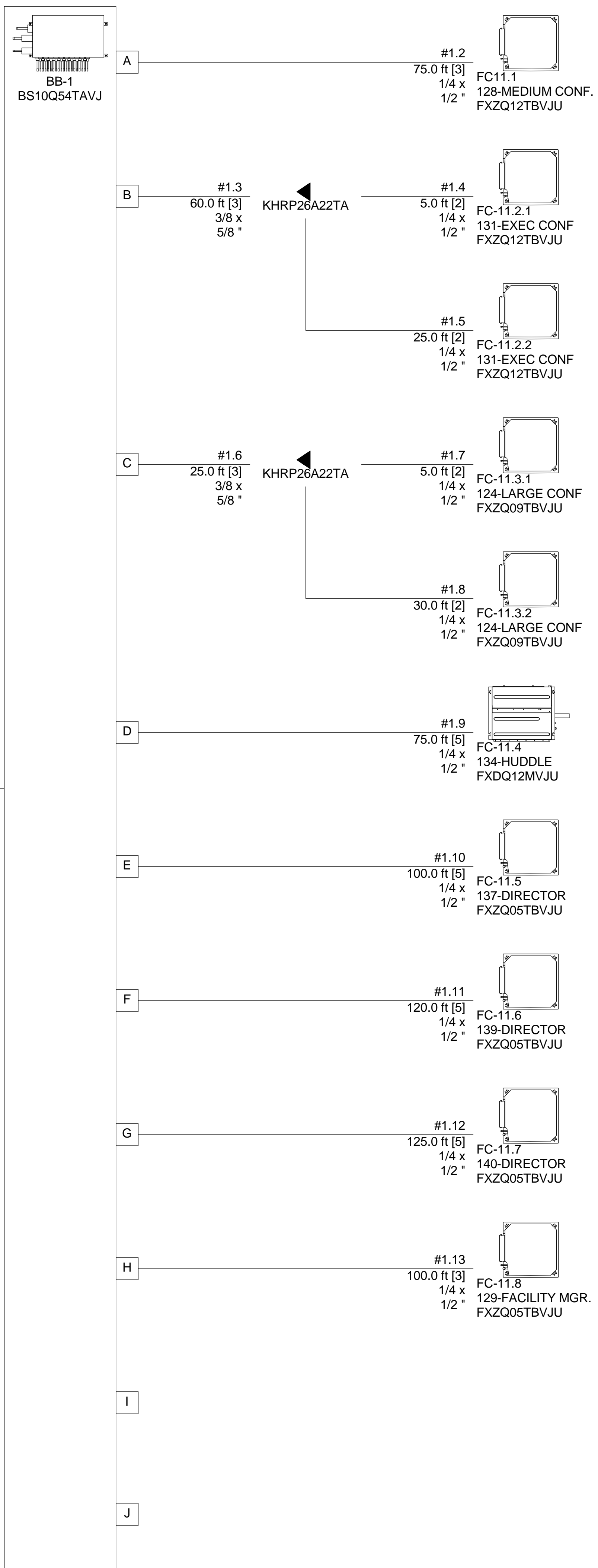
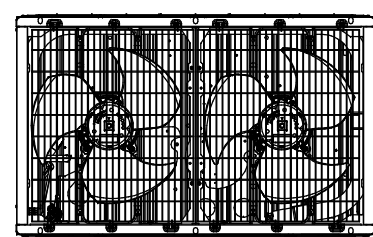
SEAL
049754
10/30/24

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all dimensions.

Revisions	Description	Date

Date: 10/30/2024
Project No: **24002**
Drawn By: JHH
Sheet No: **M2.1**
Checked By: JHH
Sheet Title: MECHANICAL DETAILS

OU-11
REYQ96AATJA



IMEG
3221 BLUE RIDGE ROAD
SUITE 113
RALEIGH, NC 27612
P: 919.571.1111
www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA SHOWN THEREON. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG.
©2024 IMEG CONSULTANTS, CORP.
North Carolina Design Registration #1-1507

SCALE IN INCHES
PROJECT #24001

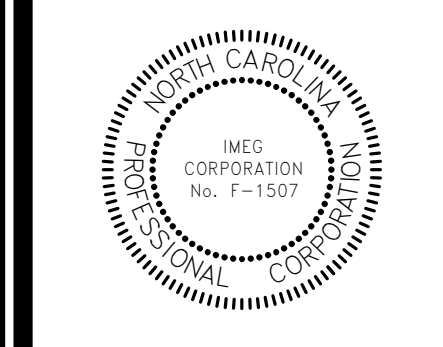
2
M3.1
VRF PIPING SCHEMATIC
NOT TO SCALE

1
M3.1
VRF WIRING SCHEMATIC
NOT TO SCALE

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS
107 Condover Rd., Bechtel, Mannett, LLC 27604, (919) 352-9373, 2500
305 W. Victorian Street, Raleigh, NC 27601

ATLANTEC
ENGINEERS, PA
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111
24081

RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
JHH	M3.1
Checked By	JHH
Sheet Title	
MECHANICAL SCHEMATICS	

SYMBOL LEGEND

SYMBOL	DESCRIPTION	REMARKS
[Symbol]	2 X 4 LAY-IN FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
[Symbol]	LINEAR FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
[Symbol]	PENDANT/SURFACE MOUNT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
[Symbol]	LINEAR STRIP FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
[Symbol]	RECESSED CAN LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
[Symbol]	WALL MOUNT LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
[Symbol]	EXTERIOR WALL LIGHT FIXTURE - LETTER DESIGNATES TYPE	SEE FIXTURE SCHED.
[Symbol]	EXIT LIGHT - CONNECT UNSWITCHED	SEE FIXTURE SCHED.
[Symbol]	EMERGENCY WITH EXIT LIGHT - CONNECT UNSWITCHED	SEE FIXTURE SCHED.
[Symbol]	BATTERY BACKUP EMERGENCY LIGHT - CONNECT UNSWITCHED	SEE FIXTURE SCHED.
[Symbol]	PHOTOCELL 105-200VAC, 50/60HZ, 800VA BALLAST LOAD, 100W TUNGSTEN HALOGEN LED LOAD (UP TO 220W @277V)	TORQ ZSS24
[Symbol]	SINGLE POLE TOGGLE SWITCH, MOUNT 4" AFF, UNLESS NOTED OTHERWISE.	HUBBELL I223- with NPJ COVER PLATE
[Symbol]	THREE WAY TOGGLE SWITCH, MOUNT 4" AFF, UNLESS NOTED OTHERWISE.	HUBBELL I223- with NPJ COVER PLATE
[Symbol]	FOUR WAY TOGGLE SWITCH, MOUNT 4" AFF, UNLESS NOTED OTHERWISE.	HUBBELL I224- with NPJ COVER PLATE
[Symbol]	WALL MOUNTED OCCUPANCY SENSOR SWITCH, PASSIVE INFRARED, MOUNT 4" AFF, UNLESS NOTED OTHERWISE. 800W/20VAC OR 100W/277VAC	SENSORWORK SWX-91- NPJ6 COVER PLATE
[Symbol]	WALL MOUNTED OCCUPANCY SENSOR SWITCH, DUAL TECHNOLOGIES, MOUNT 4" AFF, UNLESS NOTED OTHERWISE. 800W/20VAC OR 100W/277VAC	SENSORWORK SWX-91- NPJ6 COVER PLATE
[Symbol]	WALL MOUNTED 0-10V DIMMING SWITCH WITH OCCUPANCY SENSOR, DUAL TECHNOLOGIES. 100W/20VAC OR 100W/277VAC	SENSORWORK SWX-91- NPJ6 COVER PLATE
[Symbol]	WALL MOUNTED 0-10V DIMMING SWITCH WITH OCCUPANCY SENSOR, DUAL TECHNOLOGIES. 100W/20VAC OR 100W/277VAC. PROVIDE SWITCHED WIRE AND 0-10V CONTROL WIRE TO FIXTURE AS REQUIRED.	SENSORWORK SWX-91- NPJ6 COVER PLATE
[Symbol]	CELING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGIES. 800W/20VAC OR 100W/277VAC, 2 EL, 800LBS	SENSORWORK SWX-222
[Symbol]	CELING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGIES. 800W/20VAC OR 100W/277VAC, 2 EL, 800LBS	SENSORWORK SWX-222
[Symbol]	CELING MOUNTED OCCUPANCY SENSOR, DUAL TECHNOLOGIES. LOW VOLTAGE. PROVIDE LOW VOLTAGE WIRING TO POWER PACK AS REQUIRED. 2 EL, 800LBS	SENSORWORK SWX-224
[Symbol]	POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSOR. 100/277VAC, 20A 1 POLE CONTACTOR.	SENSORWORK SWX-900
[Symbol]	POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSOR WITH LV SWITCH CONNECTION. 100/277VAC, 20A 1 POLE CONTACTOR.	SENSORWORK SWX-900-AX
[Symbol]	DIMMING SWITCH WITH PRESET TO MATCH TYPE 'XX' FIXTURE. 0-10V DIMMING. MOUNT 4" AFF, UNLESS NOTED OTHERWISE. PROVIDE SWITCHED WIRE AND 0-10V CONTROL WIRE TO FIXTURE AS REQUIRED. 6A 100-277VAC	LITTON D15TV-XX NPJ6 COVER PLATE
[Symbol]	DIMMING 3-WAY SWITCH WITH PRESET TO MATCH TYPE 'XX' FIXTURE. 0-10V DIMMING. MOUNT 4" AFF, UNLESS NOTED OTHERWISE. PROVIDE SWITCHED WIRE AND 0-10V CONTROL WIRE TO FIXTURE AS REQUIRED.	LITTON D15TV-XX NPJ6 COVER PLATE
[Symbol]	SPECIFICATION GRADE SIMPLEX RECEPTACLE. MOUNT 1/2" AFF, UNLESS OTHERWISE NOTED.	HUBBELL H1L5362 WITH NPJ6 COVER PLATE
[Symbol]	SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE. MOUNT 1/2" AFF, UNLESS OTHERWISE NOTED.	HUBBELL H1L5362-TR WITH NPJ6 COVER PLATE
[Symbol]	SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE. MOUNT 1/2" AFF, UNLESS OTHERWISE NOTED.	HUBBELL GFT1R17X0- with NPJ6M COVER PLATE
[Symbol]	SPECIFICATION GRADE TAMPER RESISTANT, WEATHER RESISTANT AND GFCI DUPLEX RECEPTACLE WITH IN-RITE WEATHER PROOF COVER. MOUNT 1/2" AFF, UNLESS OTHERWISE NOTED.	HUBBELL GFT1R17X0- with NPJ6M COVER PLATE
[Symbol]	SPECIFICATION GRADE DUPLEX RECEPTACLE FOR WATER COOLER. MOUNT 2" AFF, FOR CONCEALMENT OF COIL. FEED FROM GFCI CIRCUIT BREAKER.	HUBBELL H1L5362 WITH NPJ6 COVER PLATE
[Symbol]	SPECIFICATION GRADE DUPLEX TAMPER RESISTANT RECEPTACLE. MOUNT 4" ABOVE COUNTER/BACKSPLASH.	HUBBELL H1L5362-TR WITH NPJ6 COVER PLATE
[Symbol]	SPECIFICATION GRADE TAMPER RESISTANT GFCI RECEPTACLE. MOUNT 4" ABOVE COUNTER/BACKSPLASH.	HUBBELL GFT1R17X0- with NPJ6M COVER PLATE
[Symbol]	SPECIFICATION GRADE QUAD TAMPER RESISTANT RECEPTACLE. MOUNT 1/2" AFF, UNLESS OTHERWISE NOTED.	HUBBELL Q1 H1L5362-TR WITH NPJ6M COVER PLATE
[Symbol]	250 VOLT RECEPTACLE WITH GROUND, 'AMP' DESIGNATED RATING. FIELD VERIFY NUMBER OF PHASES AND NEUTRAL. MOUNT 1/2" AFF, UNLESS OTHERWISE NOTED.	HUBBELL Q1 H1L5362-TR WITH NPJ6M COVER PLATE
[Symbol]	FLUSH TO FLOOR QUAD RECEPTACLE WITH DATA OUTLET. 1C FOR POWER, 1/2C FOR DATA. PROVIDE COVER PLATE TO MATCH FLOOR FINISH AS REQUIRED. FIELD VERIFY LOCALS WITH ARCHITECT PRIOR TO INSTALLATION.	HUBBELL Q1 H1L5362-TR WITH NPJ6M COVER PLATE
[Symbol]	CELING PANEL CABINET FAN. FURNISHED AND INSTALLED BY MC. WIRED BY EC.	SEE MECH. PLAN
[Symbol]	JUNCTION BOX SIZED PER NEC.	SQUARE D HEAVY DUTY
[Symbol]	DISCONNECT SWITCH SEE PLANS FOR SIZE AND TYPE	SQUARE D HEAVY DUTY
[Symbol]	NEW CONCEALED WIRING	PER NEC.
[Symbol]	LOW VOLTAGE WIRING FOR OCCUPANCY SWITCH AND POWER PACK.	PER NEC.
[Symbol]	UNSWITCHED LIGHTING CONDUCTOR	PER NEC.
[Symbol]	HOME RUN TO PANEL BOARD. NUMBERS OF ARROW INDICATE CIRCUITS	PER NEC.
[Symbol]	120/208V 3Ø, 4W PANEL BOARD - SEE PANEL SCHEDULES	SQUARE D NONLINE
[Symbol]	UTILITY METER BASE	SEE POWER RISER
[Symbol]	TV OUTLET - MOUNT 1/2" AFF, UNLESS OTHERWISE NOTED. STUB 3/4" CONDUIT TO ACCESSIBLE CEILING OR ATTIC SPACE. OUTLET, COVER PLATE AND WIRING BY OTHERS.	SINGLE GANG BOX HUBBELL NPJ6 COVER PLATE
[Symbol]	COMMUNICATION OUTLET - MOUNT 1/2" AFF, UNLESS OTHERWISE NOTED. STUB 3/4" CONDUIT TO ACCESSIBLE CEILING OR ATTIC SPACE. OUTLET, COVER PLATE AND WIRING BY OTHERS.	SINGLE GANG BOX HUBBELL NPJ6 COVER PLATE
[Symbol]	COMMUNICATION BACKBOARD - 48" x 96" x 3/4" THICK PREPRESSED FIBERBOARD MOUNTED TO WALL. PROVIDE GROUND BAR AND CONNECT #6 AWG GROUND IN 1/2" C. TO PANEL.	PRELITE, EST. GANWELL, SIMPLEX
[Symbol]	FIRE ALARM CONTROL PANEL, SURFACE MOUNTED, ADDRESSABLE.	PRELITE, EST. GANWELL, SIMPLEX
[Symbol]	FIRE ALARM NOTIFICATION APPLIANCE POWER CABINET SURFACE MOUNTED.	PRELITE, EST. GANWELL, SIMPLEX
[Symbol]	CARD READER - MOUNT 4" AFF, UNLESS OTHERWISE NOTED. STUB 3/4" CONDUIT TO ACCESSIBLE CEILING OR ATTIC SPACE. OUTLET, COVER PLATE AND WIRING BY CONTRACTOR.	4" X 4" JUNCTION BOX COVER PLATE TO MATCH
[Symbol]	EMERGENCY GENERATOR REMOTE ANNUNCIATOR PANEL. MOUNT TOP OF BOX AT 48" AFF.	

GENERAL NOTES

- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ANY AND ALL WORK WITH OTHER TRADES INVOLVED IN THE PROJECT. PRIOR TO THE INSTALLATION OF HIS EQUIPMENT, SO AS TO AVOID CONFLICTS DURING CONSTRUCTION AND TO ALLOW FOR OPTIMAL MAINTENANCE AND WORKING SPACE.
- USE OF THE CONDUIT SYSTEM FOR EQUIPMENT GROUNDING SHALL NOT BE ACCEPTABLE. A SEPARATE GREEN GROUND WIRE SHALL BE RUN WITH THE CIRCUIT CONDUCTORS IN EACH CONDUIT.
- ALL BREAKER SIZES SHOWN FOR MECHANICAL EQUIPMENT, SHALL BE VERIFIED BEFORE THE PURCHASE OR INSTALLATION OF SAID EQUIPMENT, WITH THE EQUIPMENT SUPPLIER AND THE MECHANICAL CONTRACTOR.
- ALL WORK AND MATERIAL SHALL BE PROVIDED IN ACCORDANCE WITH THE STATE LOCAL AND NATIONAL CODES, ORDINANCES AND 2020 NATIONAL ELECTRICAL CODE (NFPA 70).
- EACH CONTRACTOR SHALL PROVIDE HIS OWN SUPPORT OF ALL DEVICES AND EQUIPMENT PROVIDED BY HIM AND SHALL SUPPORT SUCH EQUIPMENT PER APPROVED GOVERNING CODES OR PER APPROVAL OF THE ENGINEER. UNACCEPTABLE WORKMANSHIP OR MATERIALS SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE MOUNTING HEIGHTS AND LOCATIONS OF ALL WALL MOUNTED OUTLETS AND JUNCTION BOXES SHALL BE REVERSED AND COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION FOR USE WITH THE ACTUAL EQUIPMENT, CONDUITS, AND WIRING.
- EQUIPMENT CONNECTIONS:
 - EQUIPMENT OTHER THAN MECHANICAL AND PLUMBING EQUIPMENT.
 - WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILING, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
 - WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS. SEE DETAIL 05E-501.
- PENETRATION:
 - WHERE ELECTRICAL EQUIPMENT PENETRATES RATED WALLS AND CEILING, EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED PER APPROVED UL METHODS.
 - WHERE ELECTRICAL EQUIPMENT PENETRATES EXTERIOR WALLS, THEY SHALL BE PROPERLY SEALED WITH METHODS APPROVED BY THE ENGINEER. SUBMIT DETAIL OF PROPOSED SEALING METHODS. SEE DETAIL 05E-501.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE COMPLETE UPDATED TYPEWRITTEN PANEL SCHEDULES FOR ALL PANELBOARDS.
- AS BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL VERIFY THE CEILING TYPES WITH THE GENERAL CONTRACTOR PRIOR TO THE PURCHASE OF ANY LIGHT FIXTURES SO THAT THE PROPER ITEM WILL BE PROVIDED FOR ALL FIXTURES. ANY DIFFERENCES WILL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- ALL WIRE SIZES INDICATED ON THE PANEL SCHEDULES ARE BASED ON 75 DEGREE COPPER THIRTYTHREE WIRE. ALL WIRE TERMINALS AND EQUIPMENT SHALL BE LISTED AND APPROVED FOR 75°C. ONLY THIRTYTHREE WIRE SHALL BE INSTALLED IN VIET AND EXTERIOR LOCATIONS.
- MINIMUM WIRE SIZE SHALL BE #2 AWG. MINIMUM CONDUIT SIZE INSIDE BUILDING SHALL BE 1/2". MINIMUM CONDUIT SIZE OUTSIDE BUILDING SHALL BE 3/4". MINIMUM CONDUIT SIZE UNDER GROUND SHALL BE 1".
- METAL-CLAD CABLE (TYPE MC) AND ARMORED CABLE (TYPE AC) ARE NOT ALLOWED IN THIS PROJECT.
- THE MAXIMUM NUMBER OF HOMERUNS IN A CONDUIT SHALL NOT EXCEED THREE (3). MAXIMUM LENGTH WITH SHARED JUNCTIONS AND CONDUIT CROSSINGS ARE NOT ALLOWED. ROUTE THROUGH UNOCCUPIED SPACE SHALL BE USED.
- WHERE OUTLETS ARE SHOWN BACK TO BACK ON RATED WALLS, STAGGER OUTLETS SO THAT THEY ARE SEPARATED BY A MINIMUM OF 24".
- ALL DISCONNECTS SHALL HAVE SEPARATE NEUTRAL AND GROUND BARS.
- ALL PANELS SHALL BE THREE PHASE, FOUR WIRE UNLESS OTHERWISE NOTED.
- BOXES AND CONDUITS SHALL NOT BE INSTALLED RECESSED IN A 3-HOUR OR HIGHER RATED WALL. WHEN OUTLETS ARE INDICATED ON THESE WALLS, FIELD COORDINATE CONDUIT AND BOX INSTALLATION.
- FOR ALL RECEPTACLES LOCATED ABOVE COUNTER TOP, MOUNTING HEIGHT SHALL COMPLY WITH ANSI A11.1 SECTION 308. E.G. SHALL FIELD VERIFY CASEWORK DETAIL WITH ARCHITECT PRIOR TO INSTALLATION.
- THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE INSTALLATION OF THE NEW ELECTRICAL SERVICE WITH THE LOCAL UTILITY. THE OWNER SHALL PAY ALL CHARGES FOR THE INSTALLATION OF THE NEW UNDERGROUND UTILITY SERVICE.
- THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE LOCATION OF HIS COMMUNICATION SERVICE CONDUIT STUB OUTS WITH THE LOCAL COMMUNICATION SERVICE COMPANY PRIOR TO HIS INSTALLING ANY CONDUITS.
- IT IS THE RESPONSIBILITY OF E.C. TO NOTIFY THE STATE ELECTRICAL INSPECTOR WITH DEPARTMENT OF ADMINISTRATION TO SCHEDULE REQUIRED INSPECTIONS.
- UNDERGROUND RACEWAY:
 - A. RACEWAYS RUN EXTERNAL TO BUILDING FOUNDATION WALLS, WITH THE EXCEPTION OF BRANCH CIRCUIT RACEWAYS, SHALL BE ENCASED WITH A MINIMUM OF THREE (3) INCHES OF CONCRETE ON ALL SIDES.
 - ENCASED RACEWAYS MUST HAVE A MINIMUM COVER OF EIGHTEEN (18) INCHES EXCEPT FOR RACEWAY CONTAINING CIRCUITS WITH VOLTAGES ABOVE 600V, WHICH MUST HAVE A MINIMUM COVER OF THIRTY (30) INCHES.
 - ENCASED RACEWAYS SHALL BE OF A TYPE APPROVED BY THE NEC AS 'SUITABLE FOR CONCRETE ENCASEMENT'.
 - B. BRANCH CIRCUIT RACEWAYS RUN UNDERGROUND EXTERNAL TO BUILDING FOUNDATION WALLS SHALL BE RUN IN RACEWAYS INSTALLED IN ACCORDANCE WITH THE NEC, AND SHALL BE OF A TYPE APPROVED BY THE NEC AS 'SUITABLE FOR DIRECT BURIAL'. MINIMUM RACEWAY SIZE SHALL BE 1".
 - C. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED BY UNDERGROUND LINE MARKING TAPE LOCATED DIRECTLY ABOVE THE RACEWAY AT 6 TO 8 INCHES BELOW FINISHED GRADE. TAPE SHALL BE PERMANENT, BRIGHT-COLORED, CONTINUOUS PRINTED, PLASTIC TAPE COMPOUNDED FOR DIRECT BURIAL, NOT LESS THAN 3 INCHES WIDE AND 4 MILS THICK. PRINTED LEGEND SHALL BE INDICATIVE OF GENERAL TYPE UNDERGROUND LINE BELOW.
 - D. RACEWAYS RUN UNDERGROUND INTERNAL TO BUILDING FOUNDATION WALLS SHALL BE OF A TYPE AND INSTALLED BY A METHOD APPROVED BY THE NEC.
 - E. WHERE UNDERGROUND RACEWAYS ARE REQUIRED TO TURN UP INTO CABINETS, EQUIPMENT, ETC., AND ON TO POLES, THE ELBOW REQUIRED AND THE STUB-UP OUT OF THE SLAB OR EARTH SHALL BE OF RIGID STEEL.
 - F. THE RACEWAY SYSTEM SHALL NOT BE RELIED ON FOR GROUNDING CONTINUITY.
 - G. WHERE PASSING THROUGH A 'BELOW GRADE' WALL FROM A CONDITIONED INTERIOR BUILDING SPACE, RACEWAYS SHALL BE SEALED UTILIZING FITNESS SIMILAR AND EQUAL TO OZ/GBNET TYPE 'FSK' THROUGH-WALL FITTING WITH 'FSKA' MEMBRANE CLAMP ADAPTER IF REQUIRED.
- ELECTRICAL IDENTIFICATION:
 - FURNISH AND INSTALL ENGRAVED LAMINATED PHENOLIC NAMEPLATES FOR ALL SAFETY SWITCHES, PANEL BOARDS, TRANSFORMERS, SWITCHBOARDS, MOTOR CONTROL CENTERS AND OTHER ELECTRICAL EQUIPMENT SUPPLIED FOR THE PROJECT FOR IDENTIFICATION.
 - FURNISH AND INSTALL SELF-ADHESIVE PLASTIC TAPE FOR ALL RECEPTACLE AND WALL SWITCH COVER PLATES INDICATING CIRCUIT NUMBERS.

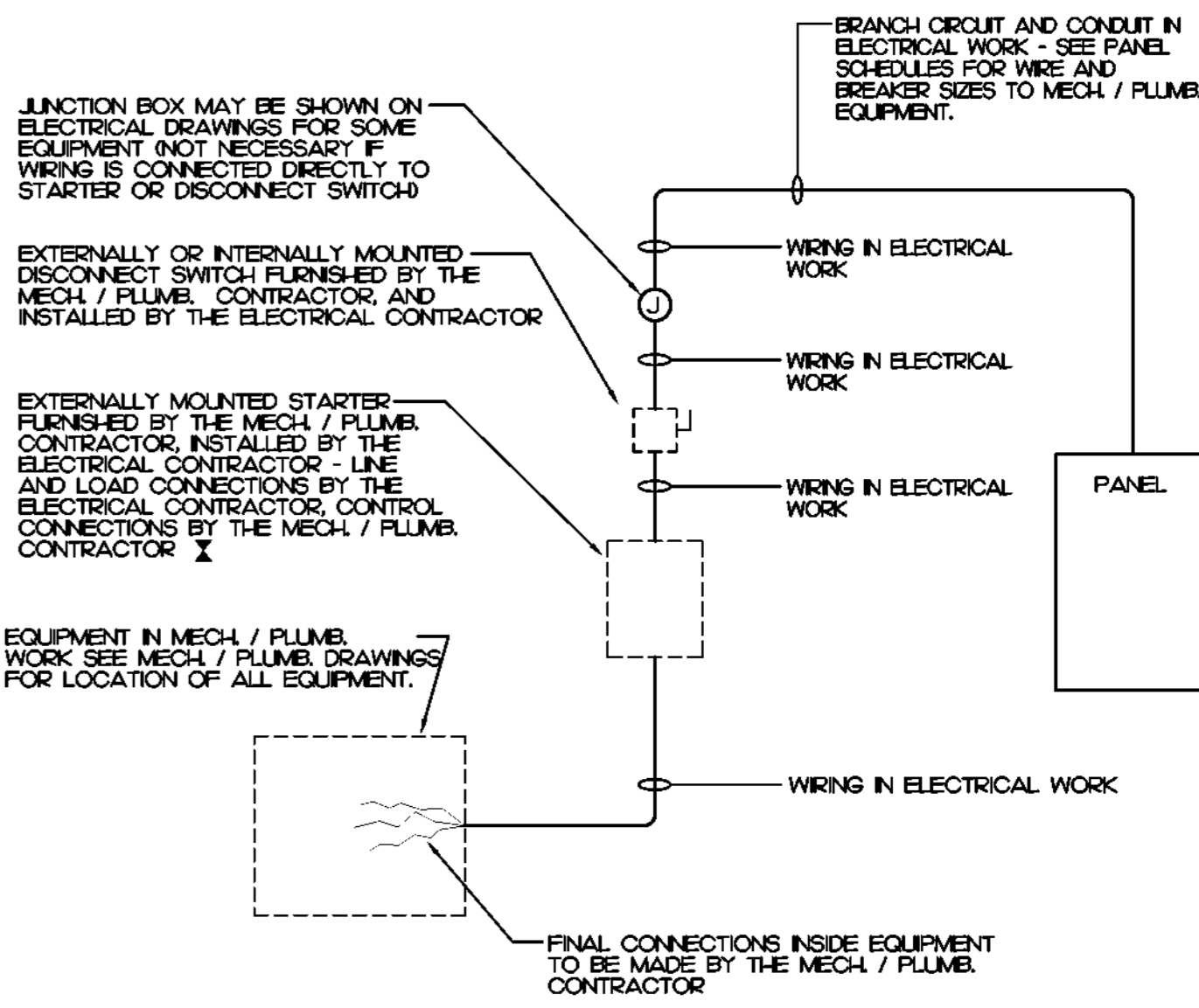
2018 NORTH CAROLINA ENERGY CODE

LAMP TYPE REQUIRED:	ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE: PRESCRIPTIVE			
	LIGHTING SCHEDULE:			
FLUORESCENT TB/TS	LED	GFL	NCAN	
NUMBER OF LAMPS:	N/A	SEE	N/A	N/A
BALLAST TYPE USED:	N/A	FIXTURE	N/A	N/A
NUMBER OF BALLASTS:	N/A	SCHEDULE	N/A	N/A
TOTAL WATTAGE PER FIXTURE:	N/A		N/A	N/A

	SPECIFIED	ALLOWED BY CODE
INTERIOR WATTAGE		
OFFICE BLDG	894	1064.4 **
EXTERIOR WATTAGE	ZONE 3	
BLDG ALLOWANCE	77	750

NOTES:

- ** PER SECTION C406.3, THE WHOLE AREA ALLOWED BY CODE IS REQUIRED TO BE 0% LOWER THAN THOSE CALCULATED PER SECTION C406.4.2.
 - VALLE CALCULATE PER SECTION C406.4.2: 14049 WATTS
 - VALLE PER SECTION C406.3: 10644 WATTS
 - ALL EXTERIOR LIGHTS:
 - CONTROLLED BY PHOTOCELL THAT WILL NOT INTENDED TO BE ON FOR 24 HOUR OPERATION.
- DESIGNER STATEMENT:
 TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEM AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE, 2018 - ENERGY.
- SIGNED: *Alex Bowling*
 NAME: ALEX BOWLING, P.E.
 TITLE: ENGINEER



NOTES:

- A COMBINATION STARTER MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER.
- E.G. SHALL FURNISH ALL REQUIRED FUSES.

WIRING TO MECHANICAL AND PLUMBING EQUIPMENT
 NOT TO SCALE

GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	Description	Date

Date	Project No
10/30/2024	24002
Drawn By	Sheet No.
AB	E0.1
Checked By	
AB	

Sheet Title
 ELECTRICAL NOTES, LEGEND, DETAILS

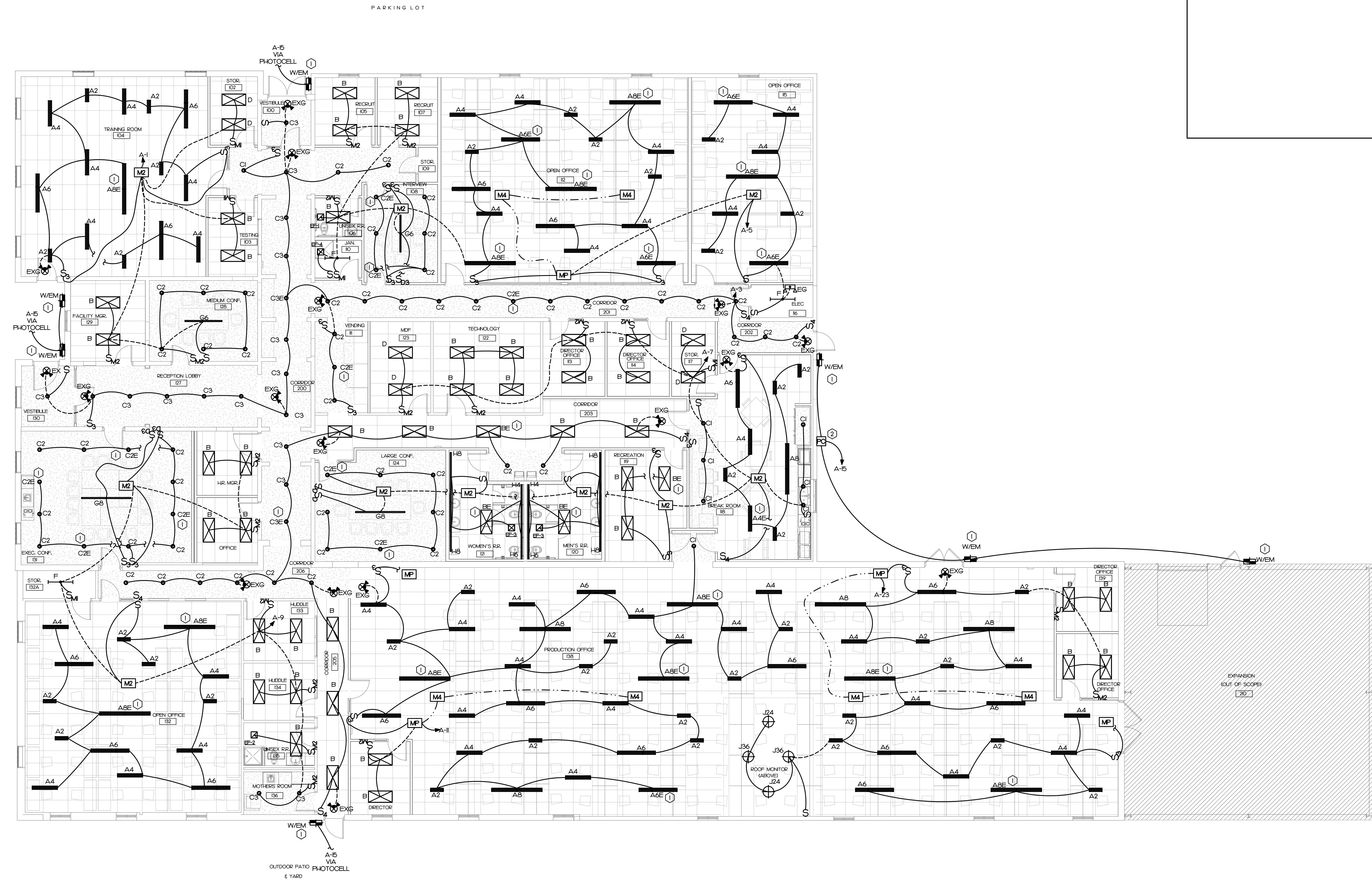
Revisions	#	Description	Date
Date	10/30/2024	Project No.	24002
Drawn By	AB	Sheet No.	E1.1
Checked By	AB	Sheet Title	LIGHTING PLAN

KEY NOTES

- ① LIGHT FIXTURE TO BE USED AS EMERGENCY LIGHT. CONNECT BATTERY BACKUP TO LOCAL LIGHTING CIRCUIT UNSWITCHED.
- ② FIELD COORDINATE EXACT LOCATION OF PHOTOCELL.

NOTES

- 1. PROVIDE 0-10V DIM CONTROL WIRING TO ALL FIXTURES TO BE DIMMED.



1 LIGHTING PLAN
E1.1 1/8" = 1'-0"

IMEG
3221 BLUE RIDGE ROAD, STE 113
RALEIGH, NC 27612
(919) 915-1111
www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA BEHIND THEREOF. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG.
©2024 IMEG CONSULTANTS CORP.
North Carolina Design Registration #1-1507

PROJECT #24002

Copyright © 2024 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

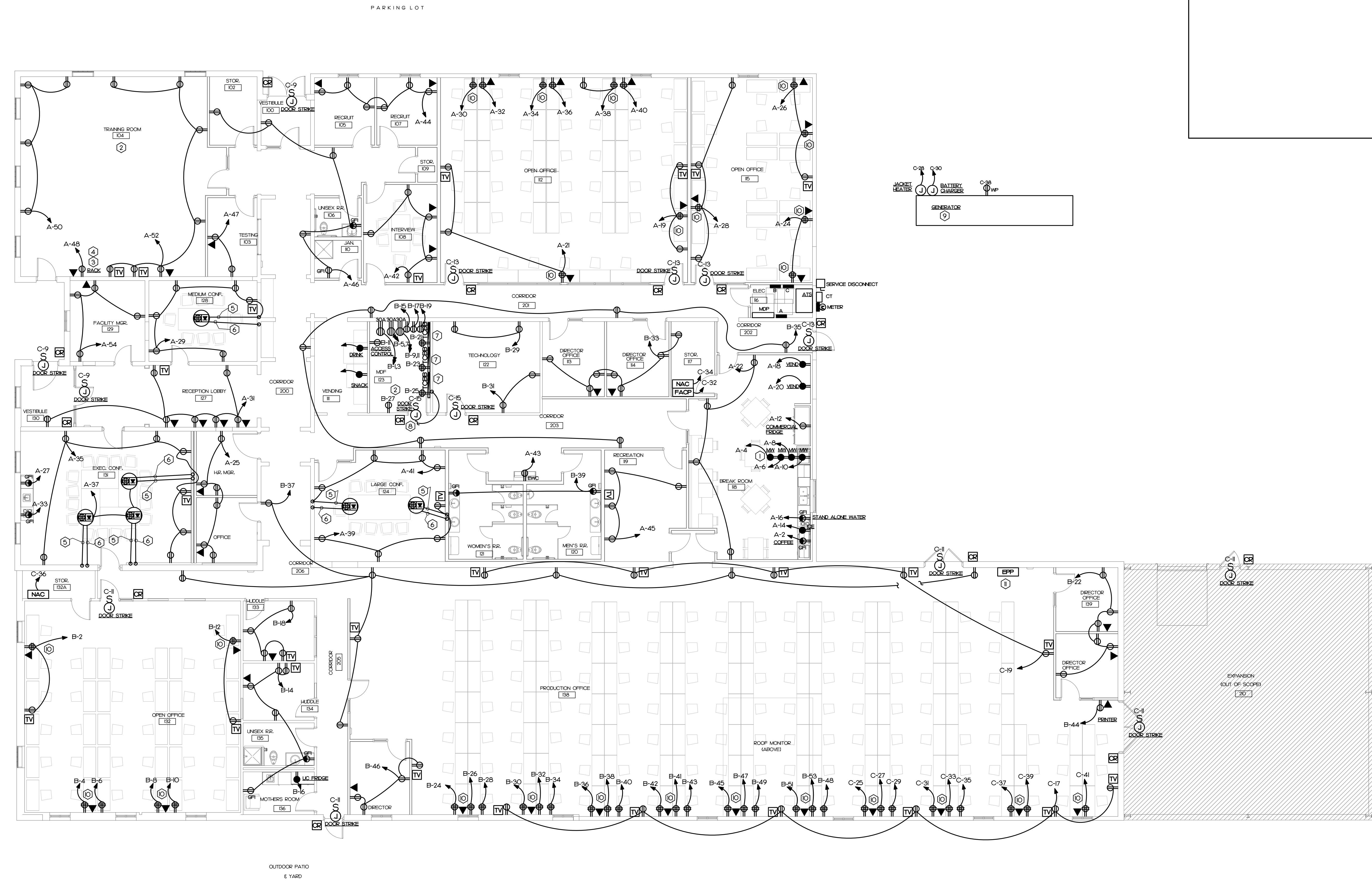
Revisions	#	Description	Date
Date	10/30/2024	Project No.	24002
Drawn By	AB	Sheet No.	E1.2
Checked By	AB	Sheet Title	ELECTRICAL PLAN

KEY NOTES

- FIELD COORDINATE EXACT LOCATION OF MW RECEPTACLES PRIOR TO ROUGH IN.
- COORDINATE EXACT LAYOUT OF THIS ROOM WITH OWNER/ARCHITECT AND IT VENDOR.
- CONFIRM EXACT EQUIPMENT CONNECTION WITH EQUIPMENT VENDOR PRIOR TO ROUGH IN.
- FIELD COORDINATED EXACT LOCATION.
- POWER CONDUIT RUN UNDER SLAB TO NEAREST WALL AND TURN UP TO ACCESSIBLE CEILING SPACE.
 - CUT AND PATCH FLOOR AS REQUIRED.
 - CUT AND PATCH WALL AS REQUIRED.
 - PROVIDE WITH FULL WIRE.
- DATA CONDUIT RUN UNDER SLAB TO NEAREST WALL AND TURN UP TO ACCESSIBLE CEILING SPACE.
 - PROVIDE WITH FULL WIRE.
 - CUT AND PATCH FLOOR AS REQUIRED.
 - CUT AND PATCH WALL AS REQUIRED.
- COMMUNICATION DEMARC BOARD.
 - PROVIDE 4" X 8" 3/4" THICK FIREPROOF PLYBOARD.
 - PROVIDE GROUND BAR AND #66 CU IN 1/2" TO MAIN GROUND BAR AT SERVICE DISCONNECT.
- COMMUNICATION SERVICE CONDUITS.
 - 2" CONDUITS, RUN TO THE PROPERLY LINE, FIELD COORDINATE SITE STUB OUT POINT WITH THE LOCAL VOICE/DATA PROVIDER.
 - TERMINATE @ A/F/F IN TECH 126.
 - PROVIDE WITH FULL WIRES.
 - AFTER COMMUNICATION SERVICE COMPANY INSTALL THE SERVICE CABLE, E.G. SHALL SEAL BOTH ENDS AS REQUIRED.
- FIELD COORDINATE EXACT GENERATOR LOCATION WITH OWNER AND EQUIPMENT MANUFACTURER.
- COORDINATE EXACT FURNITURE CONNECTION WITH OWNER PRIOR TO INSTALLATION.
- FIELD COORDINATE EXACT LOCATION OF REMOTE ANNUNCIATOR PANEL WITH GENERATOR VENDOR AND OWNER.

NOTES

- ALL OUTLETS TO BE LABELED WITH THEIR RESPECTIVE CIRCUIT NUMBER.
- COORDINATE WITH ARCHITECT FOR SURFACE MOUNTING DEVICES AND CONDUIT AT CMU WALLS.
- FIELD COORDINATE EXACT MOUNTING HEIGHT OF ALL TV OUTLETS AND RECEPTACLES PRIOR TO ROUGH IN.
- EACH FURNITURE CONNECTION TO GET ONE DATA LINE IN 2" CONDUIT, LOW VOLTAGE VENDOR WILL ROUTE IT TO THE ENDS OF THE SPLINES.



1 ELECTRICAL PLAN
E1.2 1/8" = 1'-0"

IMEG
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA BEHIND THEREOF. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG.
©2024 IMEG CONSULTANTS CORP.

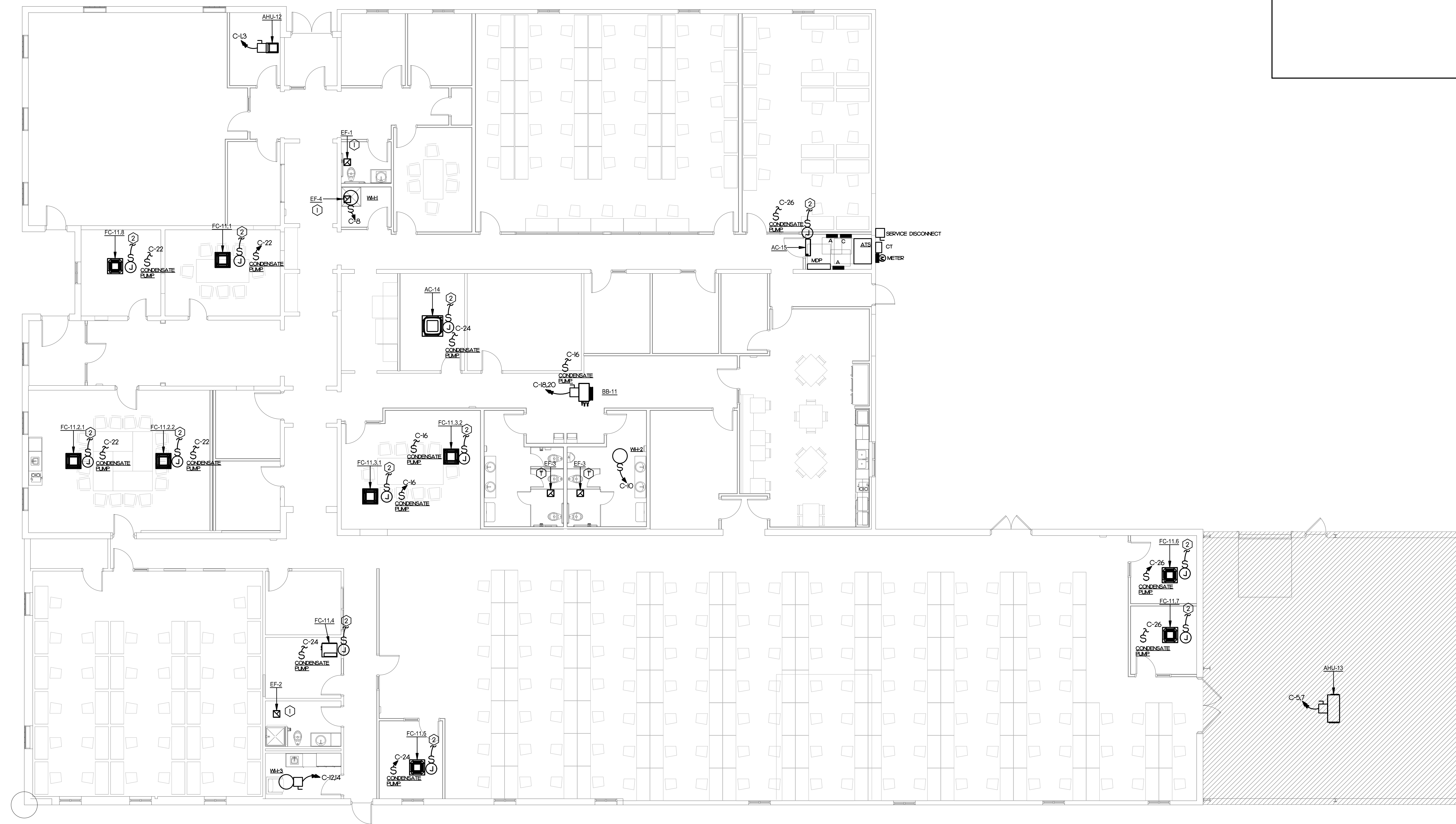
North Carolina Design Registration #1-1507

MAX. SCALE IN INCHES PROJECT #24002

Copyright © 2024 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

KEY NOTES

- ① SEE LIGHTING PLAN.
- ② POWER FROM OUTDOOR UNIT.



1 ELECTRICAL CONNECTIONS PLAN
E1.3 1/8" = 1'-0"

IMEG 3221 BLUE RIDGE ROAD, SUITE 113
 RALEIGH, NC 27612
 919.551.1111
 www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA HEREON THEREOF. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG. ©2024 IMEG CONSULTANTS CORP. North Carolina Design Registration #1-1507

MPX SCALE IN INCHES PROJECT #24002

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS
 107 Candlewood Road, Rocky Mount, NC 27854 | P: 252.237.2000
 303 W. Martin Street, Raleigh, NC 27601

ATLANTEC
 ENGINEERS, P.A.
 3221 BLUE RIDGE ROAD, SUITE 113
 RALEIGH, NC 27612
 (919) 571-1111
 24081

RENOVATION FOR:
PROVALUS
 CITY OF WHITEVILLE
 127 W COLUMBUS ST., WHITEVILLE, NC



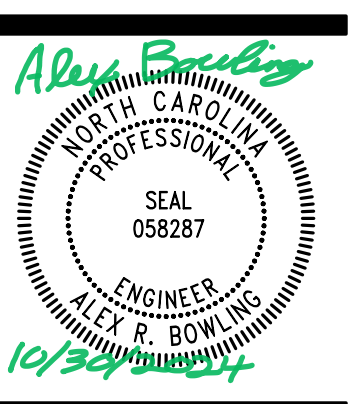
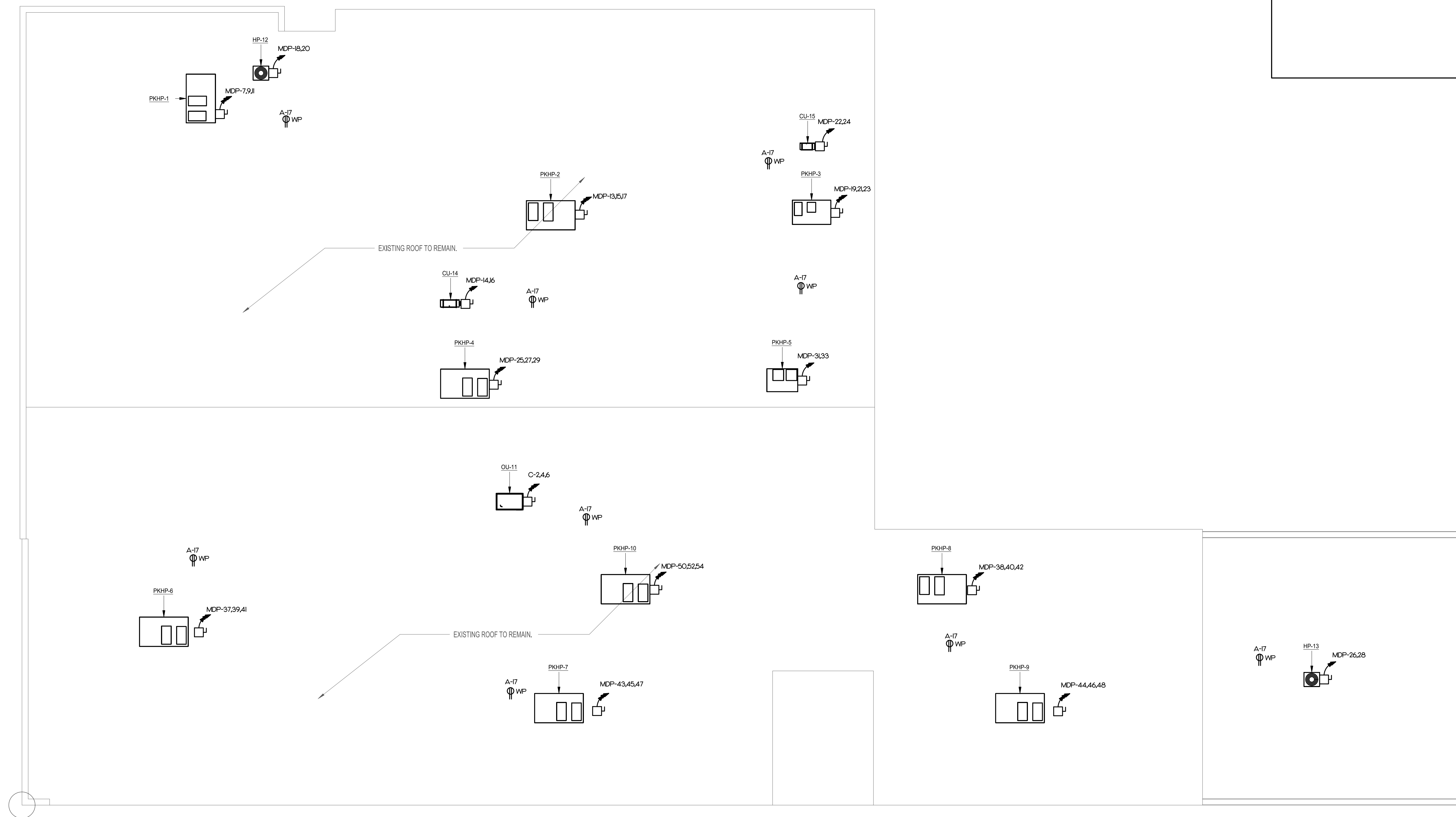
GENERAL NOTE:
 Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	#	Description	Date
Date	10/30/2024	Project No.	24002
Drawn By	AB	Sheet No.	E1.3
Checked By	AB	Sheet Title	ELECTRICAL CONNECTIONS PLAN

Copyright © 2024 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

KEY NOTES

- ① SEE LIGHTING PLAN.
- ② POWER FROM OUTDOOR LINT.



GENERAL NOTE:
Prior to construction start Contractor shall verify & be responsible for all Dimensions.

Revisions	#	Description	Date
Date	10/30/2024	Project No.	24002
Drawn By	AB	Sheet No.	E1.4
Checked By	AB	Sheet Title	ELECTRICAL CONNECTIONS PLAN (ROOF)

Copyright © 2024 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

IMEG 3221 BLUE RIDGE ROAD, STE 113
RALEIGH, NC 27612
919.571.1111
www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA BEHIND THEREOF. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG. ©2024 IMEG CONSULTANTS CORP.

North Carolina Design Registration #1-1507

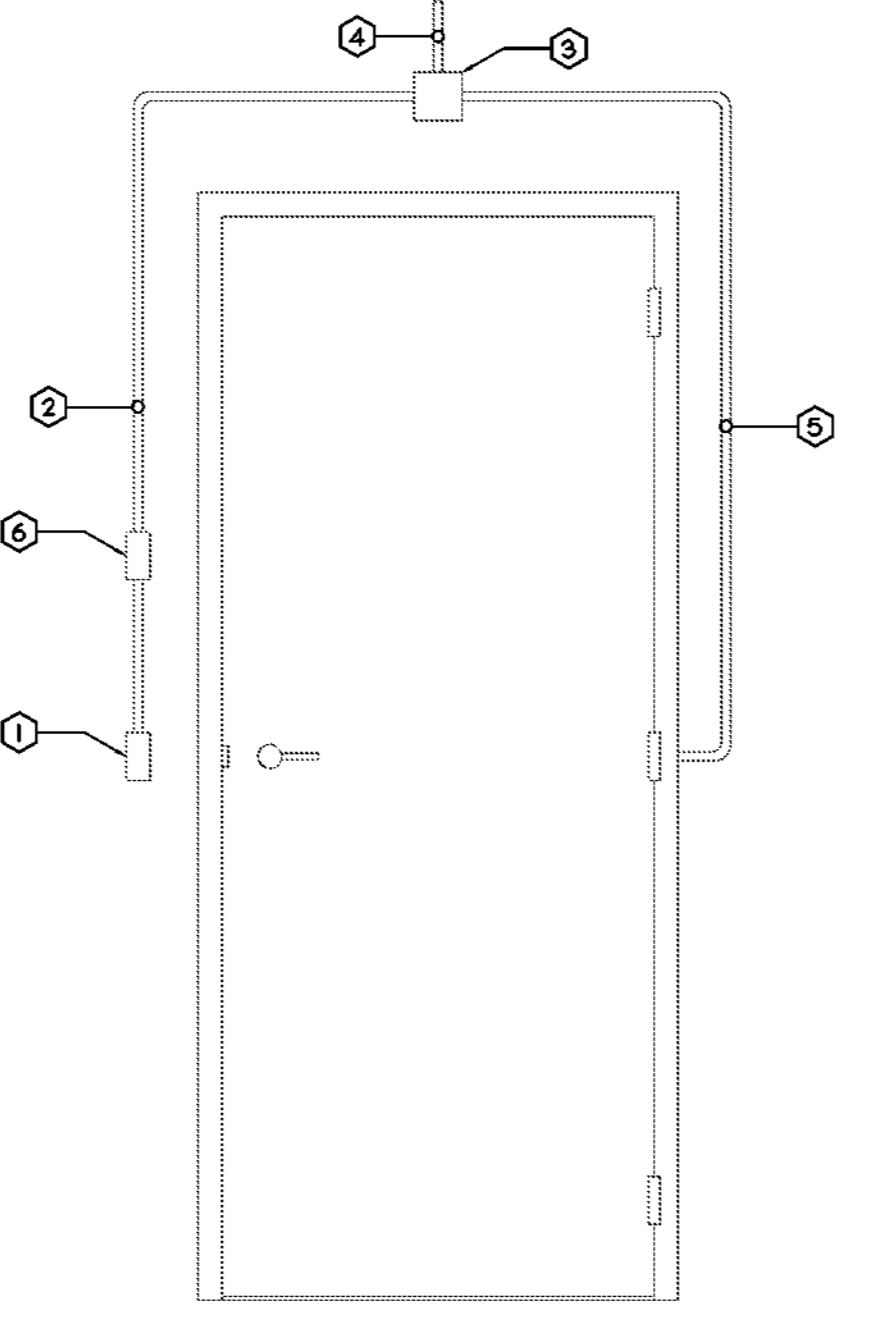
1" = 8'-0"

PROJECT #24002

1 ELECTRICAL CONNECTIONS PLAN (ROOF)
E1.3 1/8" = 1'-0"

LIGHT FIXTURE SCHEDULE

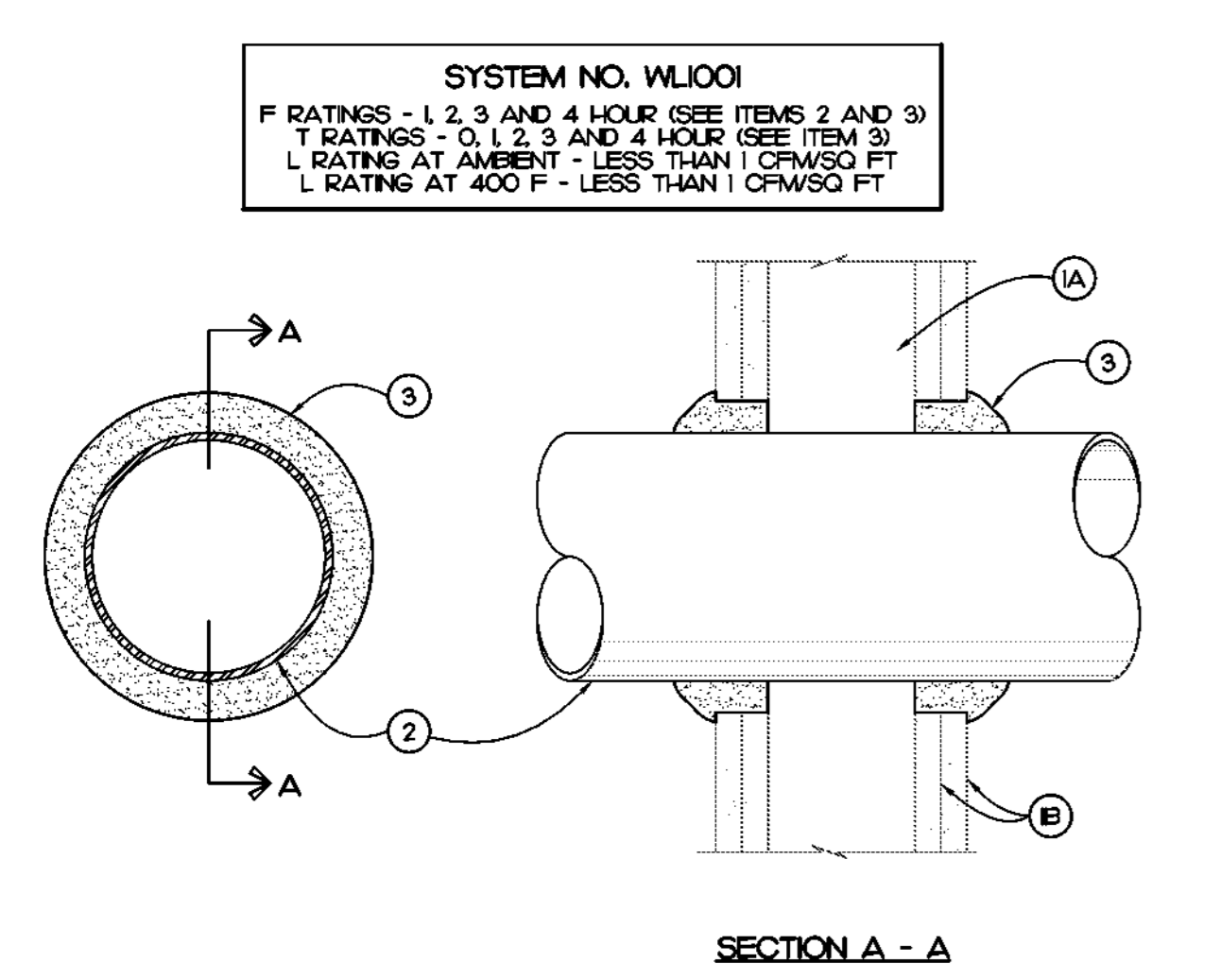
TYPE	DESCRIPTION	CATALOG	ELECTRICAL DATA	NOTES
A2	2' LINEAR LIGHT FIXTURE RECESSED MOUNTED 1000 LUMEN/FT	ARON LIGHTING: DUOTI-2FA-1000-B2-4000K-80-UNV-DM	1000 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 15.3 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
A4	4' LINEAR LIGHT FIXTURE RECESSED MOUNTED 1000 LUMEN/FT	ARON LIGHTING: DUOTI-4FA-1000-B2-4000K-80-UNV-DM	1000 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 32.4 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
A4E	4' LINEAR LIGHT FIXTURE RECESSED MOUNTED 1000 LUMEN/FT WITH EMERGENCY BATTERY BACKUP	ARON LIGHTING: DUOTI-4FA-1000-B2-4000K-80-UNV-DM-EBOW	1000 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 68 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
A6	6' LINEAR LIGHT FIXTURE RECESSED MOUNTED 1000 LUMEN/FT	ARON LIGHTING: DUOTI-6FA-1000-B2-4000K-80-UNV-DM	1000 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 49.1 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
A6E	6' LINEAR LIGHT FIXTURE RECESSED MOUNTED 1000 LUMEN/FT WITH EMERGENCY BATTERY BACKUP	ARON LIGHTING: DUOTI-6FA-1000-B2-4000K-80-UNV-DM-EBOW	1000 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 68 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
A8	8' LINEAR LIGHT FIXTURE RECESSED MOUNTED 1000 LUMEN/FT	ARON LIGHTING: DUOTI-8FA-1000-B2-4000K-80-UNV-DM	1000 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 68 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
A8E	8' LINEAR LIGHT FIXTURE RECESSED MOUNTED 1000 LUMEN/FT WITH EMERGENCY BATTERY BACKUP	ARON LIGHTING: DUOTI-8FA-1000-B2-4000K-80-UNV-DM-EBOW	1000 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 68 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
B	2x4 LED VOLUMETRIC TROFFER RECESSED MOUNTED 4680 LUMEN	JADEMAR LIGHTING: JTR-24-36W-40K-D	4680 LUMEN LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 36 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
BE	2x4 LED VOLUMETRIC TROFFER RECESSED MOUNTED 4680 LUMEN WITH EMERGENCY BATTERY BACKUP	JADEMAR LIGHTING: JTR-24-36W-40K-D-EM5	4680 LUMEN LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 36 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
C1	4" ROUND LED FIXTURE RECESSED MOUNTED 170 LUMEN	JADEMAR LIGHTING: JSR-CPS-4R-20W-D	170 LUMEN LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 5 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER SET AT 5 WATTS.
C2	6" ROUND LED FIXTURE RECESSED MOUNTED 800 LUMEN	JADEMAR LIGHTING: JSR-CPS-6R-20W-D	800 LUMEN LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 20 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER SET AT 20 WATTS.
C2E	6" ROUND LED FIXTURE RECESSED MOUNTED 800 LUMEN WITH EMERGENCY BATTERY BACKUP	JADEMAR LIGHTING: JSR-CPS-6R-20W-D-EM5	800 LUMEN LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 20 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER SET AT 20 WATTS.
C3	6" ROUND LED FIXTURE RECESSED MOUNTED 2430 LUMEN	JADEMAR LIGHTING: JSR-CPS-6R-40W-D	2430 LUMEN LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 27 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER SET AT 27 WATTS.
C3E	6" ROUND LED FIXTURE RECESSED MOUNTED 2430 LUMEN WITH EMERGENCY BATTERY BACKUP	JADEMAR LIGHTING: JSR-CPS-6R-40W-D-EM5	2430 LUMEN LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 27 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER SET AT 27 WATTS.
D	2x4 LED FLAT PANEL RECESSED MOUNTED 620 LUMEN	JADEMAR LIGHTING: JFF-EL-24-24-20W	620 LUMEN LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 50 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
F	4 FT LINEAR STRIP FIXTURE SURFACE MOUNT 5200 LUMEN	JADEMAR LIGHTING: JSTR-4-40W-D	5200 LUMEN, 4000K LED ELECTRONIC DRIVER 40 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER ORDER WITH SURFACE MOUNTING KIT (JSTR-CP-SUM)
G6	6 FT LED FIXTURE SUSPENDED MOUNT 800 LUMEN/FT	BETA CALCO LIGHTING: BRZP-6L6-DR3-LFP080-OR80-CTA40-V-D40	800 LUMEN/FT, 4000K LED ELECTRONIC DRIVER 48 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
G8	8 FT LED FIXTURE SUSPENDED MOUNT 800 LUMEN/FT	BETA CALCO LIGHTING: BRZP-8L6-DR3-LFP080-OR80-CTA40-V-D40	800 LUMEN/FT, 4000K LED ELECTRONIC DRIVER 64 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
H4	4' LINEAR LIGHT FIXTURE RECESSED MOUNTED 750 LUMEN/FT	ARON LIGHTING: EDGETI-4FA-750-WW-3500K-80-UNV-DM	750 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 28.4 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
H6	6' LINEAR LIGHT FIXTURE RECESSED MOUNTED 750 LUMEN/FT	ARON LIGHTING: EDGETI-6FA-750-WW-3500K-80-UNV-DM	750 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 42.6 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
H8	8' LINEAR LIGHT FIXTURE RECESSED MOUNTED 750 LUMEN/FT	ARON LIGHTING: EDGETI-8FA-750-WW-3500K-80-UNV-DM	750 LUMEN/FT LED, 4000K 0.10V ELECTRONIC DIMMING DRIVER 64.8 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
J24	24" PENDANT LED FIXTURE SUSPENDED MOUNT 800 LUMEN/FT	BETA CALCO LIGHTING: MCLP24-CR90-CTA40K-BA45-VI	2000 LUMENS, 4000K LED ELECTRONIC DRIVER 33 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
J36	24" PENDANT LED FIXTURE SUSPENDED MOUNT 800 LUMEN/FT	BETA CALCO LIGHTING: MCLP24-CR90-CTA40K-BA45-VI	2000 LUMENS, 4000K LED ELECTRONIC DRIVER 33 WATTS, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
WEM	EXTERIOR WALL MOUNTED CUT-OFF 800 LUMEN LISTED FOR WET LOCATION AND OF WITH EMERGENCY BATTERY BACKUP	LITHONIA: WST-LED-PH-40K-WH-MVOLT-E20WH	800 LUMEN LED, 4000K ELECTRONIC DRIVER 1 WATTS - 14 VA, 120-277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
EX	EXIT LIGHT WITH BATTERY BACKUP 1 SIDE RED LETTER	LITHONIA: EXP-LED-EL-M6	LED FOR EXIT PANEL 1 WATTS - 1 VA, 120/277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER
EXG	EMERGENCY WITH EXIT LIGHT 1 SIDE RED LETTER	LITHONIA: EOC-R-M6	120 0.75W LED HEADS, LED FOR PANEL 1 WATTS - 1 VA, 120/277V	CONFIRM WITH ARCHITECT PRIOR TO ORDER



- ### KEY NOTES
- SINGLE GANG BOX BY E.C. FOR CARD READER. FIELD COORDINATE EXACT LOCATION WITH ARCHITECT AND SECURITY CONSULTANT PRIOR TO ROUGH-IN. MOUNT 42" AFF. UNLESS NOTED OTHERWISE.
 - 3/4" CONDUIT BY E.C. FROM CARD READER SINGLE GANG BOX TO 4x4" JUNCTION BOX ABOVE DOOR FRAME.
 - 4x4" JUNCTION BOX BY E.C. ABOVE FINISHED CEILING.
 - 3/4" CONDUIT BY E.C. FROM 4x4" JUNCTION BOX ABOVE DOOR FRAME STUBBED UP TO 6" ABOVE FINISHED CEILING.
 - 3/4" CONDUIT BY E.C. FROM 4x4" JUNCTION BOX ABOVE DOOR FRAME TO HINGE AT DOOR FRAME. FIELD COORDINATE EXACT LOCATION WITH ARCHITECT AND SECURITY CONSULTANT PRIOR TO ROUGH-IN.
 - SINGLE GANG BOX BY E.C. FOR DOOR STATION MOUNT 60" AFF. AND TIE INTO READER CONDUIT STUB UP.

CARD READER ROUGH-IN DETAIL

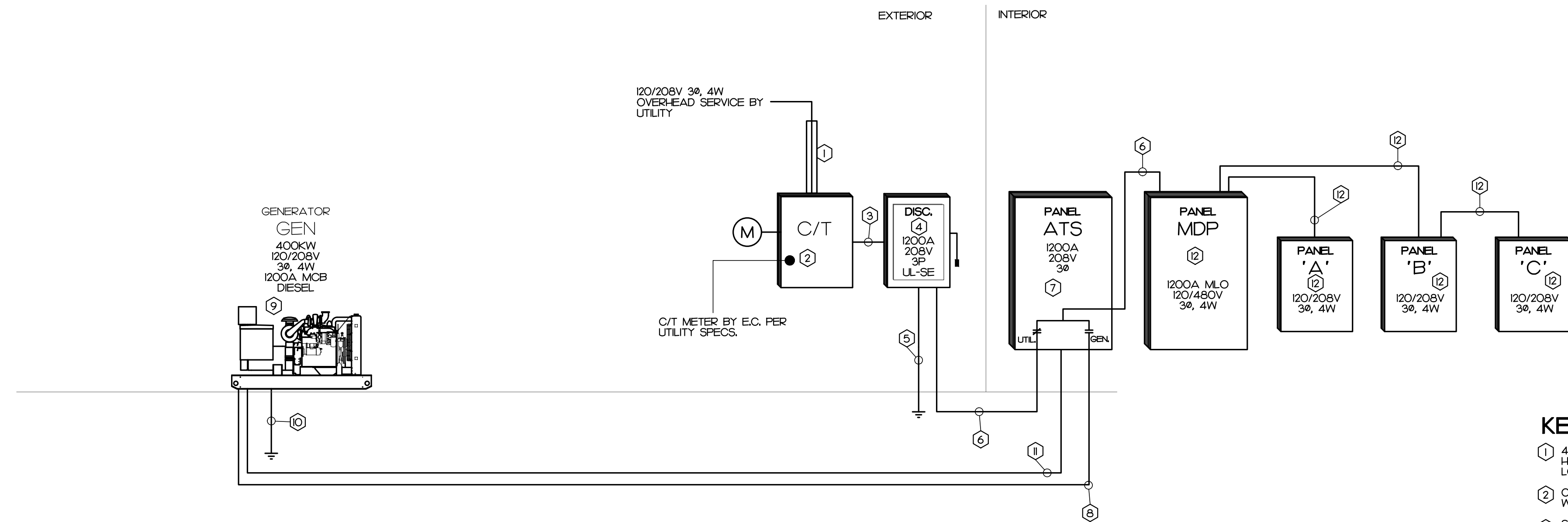
NOT TO SCALE



- ### SYSTEM NO. WL1001
- F RATINGS - 1, 2, 3 AND 4 HOUR (SEE ITEMS 2 AND 3)
T RATINGS - 0, 1, 2, 3 AND 4 HOUR (SEE ITEM 3)
L RATING AT AVENUE - LESS THAN 1 CFMSQ FT
L RATING AT 400 F - LESS THAN 1 CFMSQ FT
- WALL ASSEMBLY - THE 1, 2, 3 OR 4 HOUR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U500 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAXIMUM 2 HOUR FIRE RATED ASSEMBLY) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER SPACED 16" ON CENTER WITH NOMINAL 2" x 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MINIMUM 3 5/8" WIDE x 1 3/8" DEEP CHANNELS SPACED MAXIMUM 24" ON CENTER.
 - GYPSUM BOARD - NOMINAL 1/2" OR 5/8" THICK, 4" WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U500 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAXIMUM DIAMETER OF OPENING IS 20".
 - THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MINIMUM OF 2" FROM CONTACT) TO MAXIMUM 2" PIPE, CONDUIT OR TUBING TO BE REGULARLY SUPPORTED ON BOTH SIDERS OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
 - STEEL PIPE - NOMINAL 2" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
 - IRON PIPE - NOMINAL 2" DIAMETER (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOMINAL 2" DIAMETER (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
 - CONDUIT - NOMINAL 1" DIAMETER (OR SMALLER) STEEL CONDUIT OR NOMINAL 1" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
 - COPPER TUBING - NOMINAL 1" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 - COPPER PIPE - NOMINAL 1" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
 - THROUGH PENETRATING PRODUCT - FLEXIBLE METAL PIPING - THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:
 - NOMINAL 2" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDERS OF FLOOR OR WALL ASSEMBLY.
 - NOMINAL 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDERS OF FLOOR OR WALL ASSEMBLY.
 - NOMINAL 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDERS OF FLOOR OR WALL ASSEMBLY.
 - FILL VOID OR CAVITY MATERIAL - CALK OR SEALANT - MINIMUM 5/8" x 1 1/4" x 1 7/8" AND 2 1/2" THICKNESS OF CALK FOR 1, 2, 3 AND 4 HOUR RATED ASSEMBLES. RESPECTIVELY, APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. MINIMUM 1/4" DIAMETER BEAD OF CALK APPLIED TO GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SIDERS OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY F RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY F RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW.

MAXIMUM PIPE OR CONDUIT DIAMETER INCHES	F RATING HOUR	T RATING HOUR
1	1 OR 2	0, 1 OR 2
2	3 OR 4	3 OR 4
4	1 OR 2	0
6	3 OR 4	0
8	1 OR 2	0

WHEN COPPER PIPE IS USED, T RATING IS 0 HOUR.
3M COMPANY - OF 25WKG CALK OR FR-3000 WT SEALANT.
WEARING THE UL CLASSIFICATION MARKING



KEY NOTES

- ① 4 SETS OF 4-350KCMIL IN 3" CONDUITS UP TO WEATHER HEADS. FIELD COORDINATE WEATHER HEAD HEIGHT WITH LOCAL UTILITY AND THE FIELD ELECTRICAL INSPECTOR.
- ② C/T CABINET AND METER BASE BY E.C. IN ACCORDANCE WITH LOCAL UTILITY.
- ③ SERVICE ENTRANCE CONDUCTORS
4 SETS OF 4-350KCMIL IN 3" CONDUIT.
- ④ BUILDING SERVICE DISCONNECT.
• 1200A 208VAC 3Ø NEMA 3R FUSEBLE DISCONNECT.
• UL LISTED FOR USE AS SERVICE EQUIPMENT.
• PROVIDE WITH 1200A FUSES, MIN. AIC RATING OF 65KA.
• PROVIDE PLAQUE LABELED "SERVICE DISCONNECT".
• E.C. SHALL FIELD VERIFY AVAILABLE MAXIMUM FAULT CURRENT WITH UTILITY AND PROVIDE LABEL INDICATING THE CURRENT ON THE DISCONNECT PER NEC 110.24(A).
- ⑤ GROUNDING ELECTRODE CONDUCTORS PER NEC 250.
• H#3/0G CU IN 3/4" TO BUILDING STEEL, CIV. MAIN, AND SPRINKLER MAIN.
• H#6 CU IN 1/2" TO REINFORCED STEEL AT CONCRETE FOOTINGS.
• H#6 CU IN 1/2" TO 2 DRIVEN RODS.
- ⑥ 4 SETS OF 4-#50KCMIL, H#3/0G, IN 3".
- ⑦ AUTOMATIC TRANSFER SWITCH
• 1200A 208VAC 3Ø, MIN. AIC RATING OF 65KA, SOLID NEUTRAL.
• WALL MOUNTED NEMA 1 ENCLOSURE.
• FRONT ACCESS ONLY.
• E.C. SHALL FIELD VERIFY ATS SCQR AND PROVIDE LABEL INDICATING THE CURRENT ON THE ATC PER NEC 702.2(C).
- ⑧ GENERATOR FEEDER
4 SETS OF 4-#50 KCMIL, H#3/0G, IN 3"
- ⑨ STANDBY DIESEL GENERATOR
• 400KW, 120/208V 3Ø 4W
• 1200A REARLY ACCESSIBLE OUTPUT BREAKER
• LEVEL 1 SOUND ATTENUATED WEATHER-PROOF ALUMINUM ENCLOSURE
• PROVIDE WITH 120V JACKET HEATER AND 120V BATTERY CHARGER.
• PROVIDE EMERGENCY SHUTDOWN SWITCH AT THE EXTERIOR OF ENCLOSURE LABEL "GENERATOR EMERGENCY SHUTDOWN".
• PROVIDE WITH REMOTE ANNUNCIATOR LOCATED INSIDE BUILDING. SEE PLANS FOR ANNUNCIATOR LOCATION.
• DO NOT BOND NEUTRAL AND GROUND BAR.
• PROVIDE CONCRETE PAD AS REQUIRED.
• CONCRETE PAD BY E.C. PER MANUFACTURER INSTRUCTION.
• DIESEL FUEL TANK: 24 HOUR RUNTIME.
- ⑩ H#6AWS TO DRIVEN ROD, BOND TO ENCLOSURE AND ENGINE BLOCK.
- ⑪ PROVIDE 2" CONDUITS BETWEEN GENERATOR AND ATS
• CONTROL WIRING
• GENERATOR REMOTE ANNUNCIATOR INSIDE THE BUILDING.
- ⑫ SEE PANEL SCHEDULE FOR DETAILS.

PANEL MDP													120/208V, 3 PHASE, 4 WIRE												
CKT	DESCRIPTION	KVA	C	G	W	CB	CKT	CKT	CB	W	G	C	KVA	DESCRIPTION	CKT										
1	PANEL A	22.0	2	6	1	125	1	2	200	3/0	6	2	20.6	PANEL C	2										
3	PROVIDE #1 NEUTRAL	19.9				1	3P	4					20.2	PROVIDE WITH #3/0 NEUTRAL	4										
5		19.7				1	5	6					18.9		6										
7	PKHP-1	7.6	1	1/4	8	4	70	7	8				0.0	SPACE ONLY	8										
9		7.6				4	3P	9	10				0.0	SPACE ONLY	10										
11		7.6				4	11	12	12				0.0	SPACE ONLY	12										
13	PKHP-2	11.2	1	1/4	8	3	100	13	14	20	12	1/2	1.9	CU-14, AC-14	14										
15		11.2				3	3P	15	16	2P	12		1.9		16										
17		11.2				3	17	18	25	10	10	3/4	1.3	HP-12	18										
19	PKHP-3	7.0	1	10	6	60	19	20	2P	10			1.3		20										
21		7.0				6	3P	21	22	15	12	1/2	1.3	CU-15, AC-15	22										
23		7.0				6	23	24	2P	12			1.3		24										
25	PKHP-4	11.2	1	1/4	8	3	100	25	26	25	10	10	3/4	1.3	HP-13	26									
27		11.2				3	3P	27	28	2P	10		1.3		28										
29		11.2				3	29	30					0.0	SPACE ONLY	30										
31	PKHP-5	3.7	3/4	10	8	40	31	32	125	1	6	2	16.6	PANEL B	32										
33		3.7				8	2P	33	34	3P	1		15.4	PROVIDE #1 NEUTRAL	34										
35	SPACE ONLY	0.0					35	36	1				16.6		36										
37	PKHP-6	11.2	1	1/4	8	3	100	37	38	100	3	8	1 1/4	11.2	PKHP-8	38									
39		11.2				3	3P	39	40	3P	3		11.2		40										
41		11.2				3	41	42	4	3			11.2		42										
43	PKHP-7	7.6	1	1/4	8	4	70	43	44	70	4	8	1 1/4	7.6	PKHP-9	44									
45		7.6				4	3P	45	46	3P	4		7.6		46										
47		7.6				4	47	48	4				7.6		48										
49	SURGE PROTECTION	0.0					60	49	50	100	3	8	1 1/4	11.2	PKHP-10	50									
51		0.0					3P	51	52	3P	3		11.2		52										
53		0.0					53	54	54	3			11.2		54										

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA	200 A MINIMUM BUS SIZE MAIN LUGS ONLY 65 K MINIMUM AIC RATING	200 A MINIMUM BUS SIZE MAIN LUGS ONLY 22 K MINIMUM AIC RATING	SURFACE MOUNTING NEMA 1 ENCLOSURE GROUND BAR
CONT. LOAD	8.48	125%	10.60			
RECEPTACLE	130.20	100%/50%	70.10			
MTRS/COOLS	150.82	100%	150.82			
HEATS	151.20	80%	120.96			
WATER HEATER	7.50	100%	7.50			
EQUIPMENT	10.50	100%	10.50			
KITCHEN EQUIP.	0.00	65%	0.00			
SPECIAL EQ.	0.00	100%	0.00			
25% OF LARGEST HVAC/MOTOR			6.38			
TOTAL DEMAND			378.85	5.		

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA	200 A MINIMUM BUS SIZE MAIN LUGS ONLY 22 K MINIMUM AIC RATING	200 A MINIMUM BUS SIZE MAIN LUGS ONLY 22 K MINIMUM AIC RATING	SURFACE MOUNTING NEMA 1 ENCLOSURE GROUND BAR
CONT. LOAD	8.48	125%	10.60			
RECEPTACLE	53.10	100%/50%	31.56			
MTRS/COOLS	0.00	100%	0.00			
HEATS	0.00	100%	0.00			
WATER HEATER	0.00	100%	0.00			
EQUIPMENT	0.00	100%	0.00			
KITCHEN EQUIP.	0.00	65%	0.00			
SPECIAL EQ.	0.00	100%	0.00			
25% OF LARGEST HVAC/MOTOR			0.00			
TOTAL DEMAND			42.15	5.		

PANEL A													120/208V, 3 PHASE, 4 WIRE												
CKT	DESCRIPTION	KVA	C	G	W	CB	CKT	CKT	CB	W	G	C	KVA	DESCRIPTION	CKT										
1	LTS	102-104, 128, 129	0.8	1/2	12	12	20	1	2	20	12	1/2	1.8	118	3 POT COFFEE	2									
3	LTS	CORRIDOR	1.1	1/2	12	12	20	3	4	20	12	1/2	1.6	NOTE 2	MW	4									
5	LTS	105-106, 112, 115	1.4	1/2	12	12	20	5	6	20	12	1/2	1.6	NOTE 2	MW	6									
7	LTS	113, 114, 117-124	1.5	1/2	12	12	20	7	8	20	12	1/2	1.6	NOTE 2	MW	8									
9	LTS	131-136	1.3	1/2	12	12	20	9	10	20	12	1/2	1.6	NOTE 2	MW	10									
11	LTS PRODUCTION OFFICE	138	1.1	1/2	12	12	20	11	12	20	12	1/2	1.2	118	COMMERCIAL FRIDGE	12									
13	LTS PRODUCTION OFFICE	138	1.3	1/2	12	12	20	13	14	20	12	1/2	1.2	NOTE 2	ICE MACHINE	14									
15	PHOTOCELL	0.1	1/2	12	12	20	15	16	20	12	1/2	1.5	118	STAND ALONE WATER VENT	16										
17	REC ROOF	1.4	1/2	12	12	20	17	18	20	12	1/2	1.5	NOTE 2	NOTE 2	18										
19	REC OPEN OFFICE	112	1.5	1/2	12	12	20	19	20	20	12	1/2	1.5	NOTE 2	NOTE 2	20									
21	REC OPEN OFFICE	112	1.5	1/2	12	12	20	21	22	20	12	1/2	0.7	118	REC BREAK	22									
23	SPARE	0.0	1/2	12	12	20	23	24	20	12	1/2	1.8	115	REC OPEN OFF	24										
26	REC HR MGS. OFFICE	131	1.1	1/2	12	12	20	26	26	20	12	1/2	1.8	115	REC OPEN OFF	26									
27	REC EXEC CONF	131	1.0	1/2	12	12	20	27	28	20	12	1/2	1.5	115	REC OPEN OFF	28									
29	REC MEDIUM CONF	128	1.4	1/2	12	12	20	29	30	20	12	1/2	1.5	112	REC OPEN OFF	30									
31	REC RECEPTION LOBBY	127	1.1	1/2	12	12	20	31	32	20	12	1/2	1.5	112	REC OPEN OFF	32									
33	REC EXEC CONF	131	1.0	1/2	12	12	20	33	34	20	12	1/2	1.5	112	REC OPEN OFF	34									
36	REC EXEC CONF	131	1.3	1/2	12	12	20	36	36	20	12	1/2	1.5	112	REC OPEN OFF	36									
37	FLOORBOX EXEC CONF	131	1.1	1/2	12	12	20	37	38	20	12	1/2	1.5	112	REC OPEN OFF	38									
39	REC LARGE CONF	124	1.1	1/2	12	12	20	39	40	20	12	1/2	1.5	112	REC OPEN OFF	40									
41	REC LARGE CONF	124	1.1	1/2	12	12	20	41	42	20	12	1/2	0.9	108	REC INTERVIEW	42									
43	EWG	NOTE 2	1.0	1/2	12	12	20	43	44	20	12	1/2	1.1	105,107	REC RECEPTION	44									
45	REC RECREATION	119	0.7	1/2	12	12	20	45	46	20	12	1/2	1.1	100,102,106,110	REC	46									
47	REC TESTING	102	0.4	1/2	12	12	20	47	48	20	12	1/2	1.0	104	REC TRAINING RACK	48									
49	SPACE ONLY	0.0					49	50	20	12	1/2	0.7	104	REC TRAINING	50										
51	SPACE ONLY	0.0					51	52	20	12	1/2	1.3	104	REC TRAINING	52										
53	SPACE ONLY	0.0					53	54	20	12	1/2	0.7	109	REC	54										

DESCRIPTION	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA	200 A MINIMUM BUS SIZE MAIN LUGS ONLY 22 K MINIMUM AIC RATING	200 A MINIMUM BUS SIZE MAIN LUGS ONLY 22 K MINIMUM AIC RATING	SURFACE MOUNTING NEMA 1 ENCLOSURE GROUND BAR
CONT. LOAD	8.48	125%	10.60			
RECEPTACLE	53.10	100%/50%	31.56			
MTRS/COOLS	0.00	100%	0.00			
HEATS	0.00	100%	0.00			
WATER HEATER	0.00	100%	0.00			
EQUIPMENT	0.00	100%	0.00			
KITCHEN EQUIP.	0.00	65%	0.00			
SPECIAL EQ.	0.00	100%	0.00			
25% OF LARGEST HVAC/MOTOR			0.00			
TOTAL DEMAND			42.15	5.		

PANEL B													120/208V, 3 PHASE, 4 WIRE												
CKT	DESCRIPTION	KVA	C	G	W	CB	CKT	CKT	CB	W	G	C	KVA	DESCRIPTION	CKT										
1	NEMA L5-30	123	2.5	3/4	10	10	30	1	2	20	12	1/2	1.8	132	REC OPEN OFF	2									
3		2.5				10	2P	3	4	20	12	1/2	1.5	132	REC OPEN OFF	4									
5	NEMA L5-31	123	2.5	3/4	10	10	30	5	6	20	12	1/2	1.5	132	REC OPEN OFF	6									
7		2.5				10	2P	7	8	20	12	1/2	1.5	132	REC OPEN OFF	8									
9	REC	123	2.5	3/4	10	10	30	9	10	20	12	1/2	1.5	132	REC OPEN OFF	10									
11	CYBERPOWER 0L3000RTXL2UN	2.5				10	2P	11	12	20	12	1/2	1.8	132	REC OPEN OFF	12									
13	REC ACCESS CTRL	123	0.2	1/2	12	12	20	13	14	20	12	1/2	1.1	134-136	REC	14									
15	REC CYBERPOWER	123	0.2	1/2	12	12	20	15	16	20	12	1/2	0.5	NOTE 2	UC FRIDGE MOTHER	16									
17	REC CYBERPOWER	123	0.2	1/2	12	12	20	17	18	20	12	1/2	0.7	133	REC	18									
19	REC CYBERPOWER	123	0.2	1/2	12	12	20	19	20	20	12	1/2	0.0		SPARE	20									
21	REC TELEPHONE	123	0.4	1/2	12	12	20	21	22	20	12	1/2	0.5	139	REC DIRECTOR	22									
23	REC TELEPHONE	123	0.4	1/2	12	12	20	23	24	20	12	1/2	1.4	138	PRODUCTION OFFICE	24									
25	REC TELEPHONE	123	0.4	1/2	12	12	20	25	26																

Revisions	Description	Date

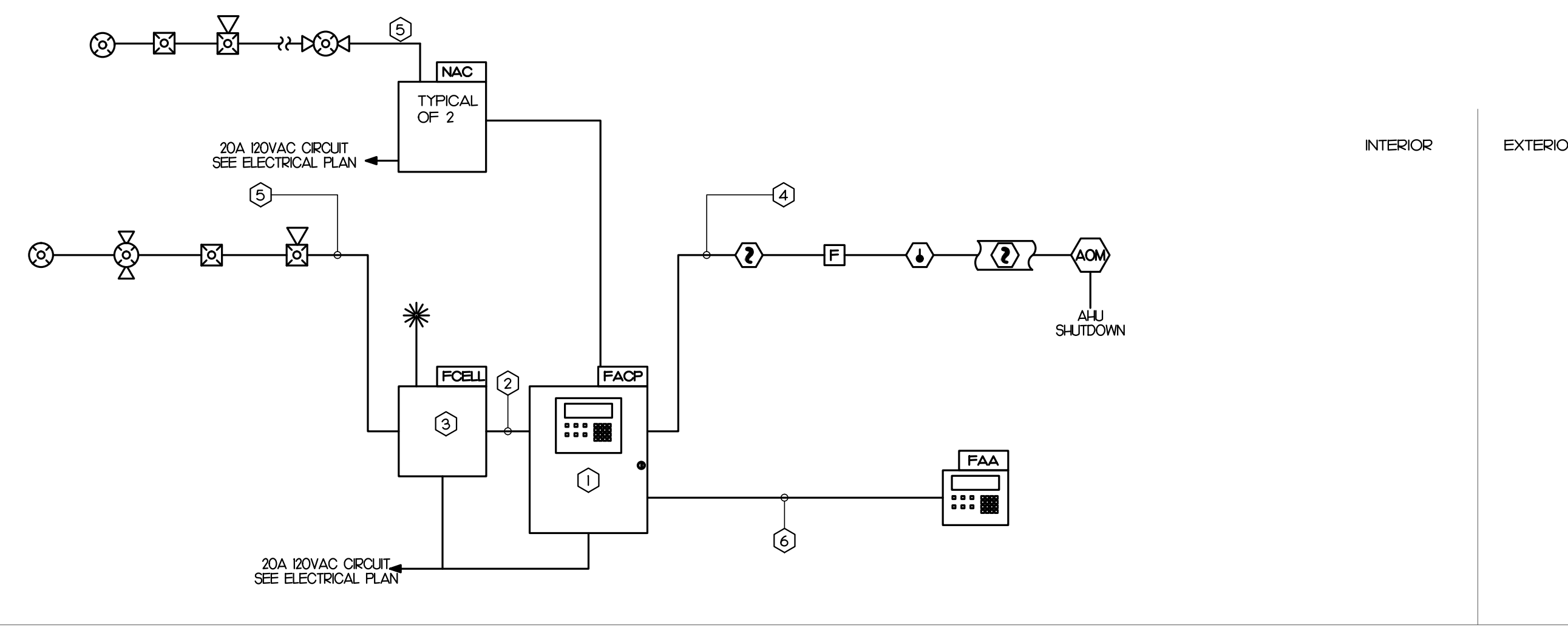
Date	Project No.
10/30/2024	24002
Drawn By	Sheet No.
AB	FA0.1
Checked By	
AB	
	Sheet Title
	FIRE ALARM NOTES, LEGEND, DETAILS

FIRE ALARM NOTES

- SEE PLANS FOR QUANTITY AND LOCATION OF ALL EQUIPMENT
- CONTRACTOR SHALL PROVIDE COMPLETE DOCUMENT PER 2018 FIRE CODE SECTION 907.11 AND 907.12 TO ENGINEER FOR APPROVAL PRIOR TO SUBMIT TO AND TESTING BY STATE FIRE MARSHAL'S OFFICE.
- FLAGRARD THE ENTIRE FIRE ALARM SYSTEM. PROVIDE PANEL AND CIRCUIT NUMBERS ON A NAME PLATE AFFIXED TO THE FACE OF THE FIRE ALARM CONTROL PANEL.
- CONTRACTOR SHALL PROVIDE ZONE MAPS COMPLETE WITH ADDRESSES FOR EACH FIRE ALARM DEVICE IN WOODEN FRAME ADJACENT TO THE NEW FIRE ALARM CONTROL PANEL.
- ELECTRICAL CONTRACTOR SHALL PROVIDE BATTERY CALCULATIONS AND CUT SHEETS FOR FIRE ALARM SYSTEM TO ENGINEER FOR APPROVAL.
- ALL WIRING SHALL BE SUPERVISED.
- ALL WIRING SHALL BE PER MANUFACTURER'S SPECIFICATIONS.
- ADDRESSABLE ANALOG CIRCUIT SHALL BE:
 - WIRING SHALL BE CLASS A.
 - MINIMUM CAPACITY OF ANALOG SENSORS PER LOOP SHALL BE 96.
 - MINIMUM CAPACITY OF ADDRESSABLE MONITORING DEVICES PER LOOP SHALL BE 48.
 - MINIMUM CAPACITY OF ADDRESSABLE CONTROL RELAY MODULES PER LOOP SHALL BE 48.
- ALL WIRING IN WALLS OR FURRED SPACES SHALL BE IN CONDUIT.
- WHERE PERMITTED BY CODE, WIRING ABOVE ACCESSIBLE CEILINGS MAY BE RUN EXPOSED AND THE FOLLOWING REQUIREMENTS SHALL BE MET:
 - WIRING SHALL BE PLUNIA RATED WHERE APPLICABLE.
 - PROVIDE BRIDLE RINGS FOR INDEPENDENT FIRE ALARM CABLE SUPPORT UNLESS SPECIFICALLY NOTED OTHERWISE.
 - ANALOG LOOP WIRING INCOMING AND OUTGOING SHALL NOT BE SUPPORTED IN THE SAME BRIDLE RING.
- ALL NOTIFICATION CIRCUIT WIRING SHALL BE 'CLASS B'.
- PROVIDE WITH 'SYNC MODULE' AS REQUIRED PER NFPA 72.
- FURNISH NOTIFICATION CIRCUITS AS REQUIRED TO ACCOMMODATE CIRCUIT LOADING. NO NOTIFICATION CIRCUIT SHALL BE LOADED TO MORE THAN 80% CAPACITY.
- PROVIDE SOUND (6B) AND CANDELA (C6) RATINGS FOR ALL HORN/STROBE DEVICES PER NFPA 72. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED PER NFPA 72, 16.5.5.7 AND 16.5.3.6. PER NFPA 16.4.1, VOICE MESSAGES SHALL NOT BE REQUIRED TO MEET THE AUDIBILITY REQUIREMENTS OF 16.4.1, BUT SHALL MEET THE INTELLIGIBILITY REQUIREMENTS OF 16.4.1.3 WHERE VOICE INTELLIGIBILITY IS REQUIRED.
- A DECIBEL LEVEL OF (5 dB ABOVE AMBIENT ON NFPA 72, TABLE A16.4.3) SHALL BE MAINTAINED IN ALL GENERAL AREAS AND 100 dB (5 dB ABOVE AN AMBIENT OF 85 dB IN NFPA 72, 16.4.3.1) SHALL BE MAINTAINED IN ALL MECHANICAL EQUIPMENT ROOMS PER NFPA 72 AND THE 2012 NORTH CAROLINA STATE BUILDING CODE (SECTION 907.6.2).
- FOR ALL HVAC UNITS:
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE DUCT MOUNTED SMOKE DETECTORS FOR INSTALLATION BY THE MECHANICAL CONTRACTOR WITHIN THE DUCT.
 - ANY ALARM SHALL SHUT DOWN ALL AIR HANDLING UNITS.
 - SHUT DOWN SHALL BE ACHIEVED VIA FAACP CONTROLLED RELAY (WITHIN FAACP OR ADDRESSABLE RELAY). SHUT DOWN VIA THE DUCT SMOKE DETECTOR CONTROLLED RELAY IS NOT ACCEPTABLE.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING AND RELAYS AS REQUIRED FOR AIR HANDLING SHUTDOWN. FIELD COORDINATE AIR HANDLING UNIT SHUTDOWN WITH MECHANICAL CONTRACTOR. FINAL CONNECTIONS OF WIRING FOR HVAC SYSTEM SHALL BE BY THE ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL PROVIDE A SMOKE MACHINE TO TEST THE DUCT DETECTION PORTION OF THE FIRE ALARM SYSTEM. SMOKE BOMBS AND/OR MAGNETS FOR TESTING OF THE DUCT DETECTION SYSTEM IS PROHIBITED.
- PROVIDE WITH DIGITAL ALARM COMMUNICATOR (DACT). DACT SHALL HAVE CAPABILITY TO HANDLE 2 PHONE LINES. WHERE SINGLE COMMUNICATION PATH WITH CELLULAR NETWORK IS ACCEPTABLE BY THE LOCAL FIRE MARSHAL, PROVIDE WITH THE COMMUNICATOR IN LIEU OF 2 LINE TELEPHONE IN COMPLIANCE WITH NFPA 72 26.5.3.5. FIELD COORDINATE TYPE MATCH MONITORING COMPANY.

KEY NOTES

- ADDRESSABLE FIRE ALARM CONTROL PANEL. PROVIDE ADDITIONAL NAC PANEL AS REQUIRED.
- COMMUNICATION WIRES FOR CELLULAR COMMUNICATOR CONNECTION PER MANUFACTURE INSTRUCTION.
- CELLULAR DIGITAL ALARM COMMUNICATOR. SEE FIRE ALARM NOTE AND LEGEND FOR REQUIREMENTS.
- ADDRESSABLE CIRCUIT.
- NOTIFICATION APPLIANCE CIRCUIT.
- REMOTE ANNUNCIATOR CIRCUIT IN CONDUIT.

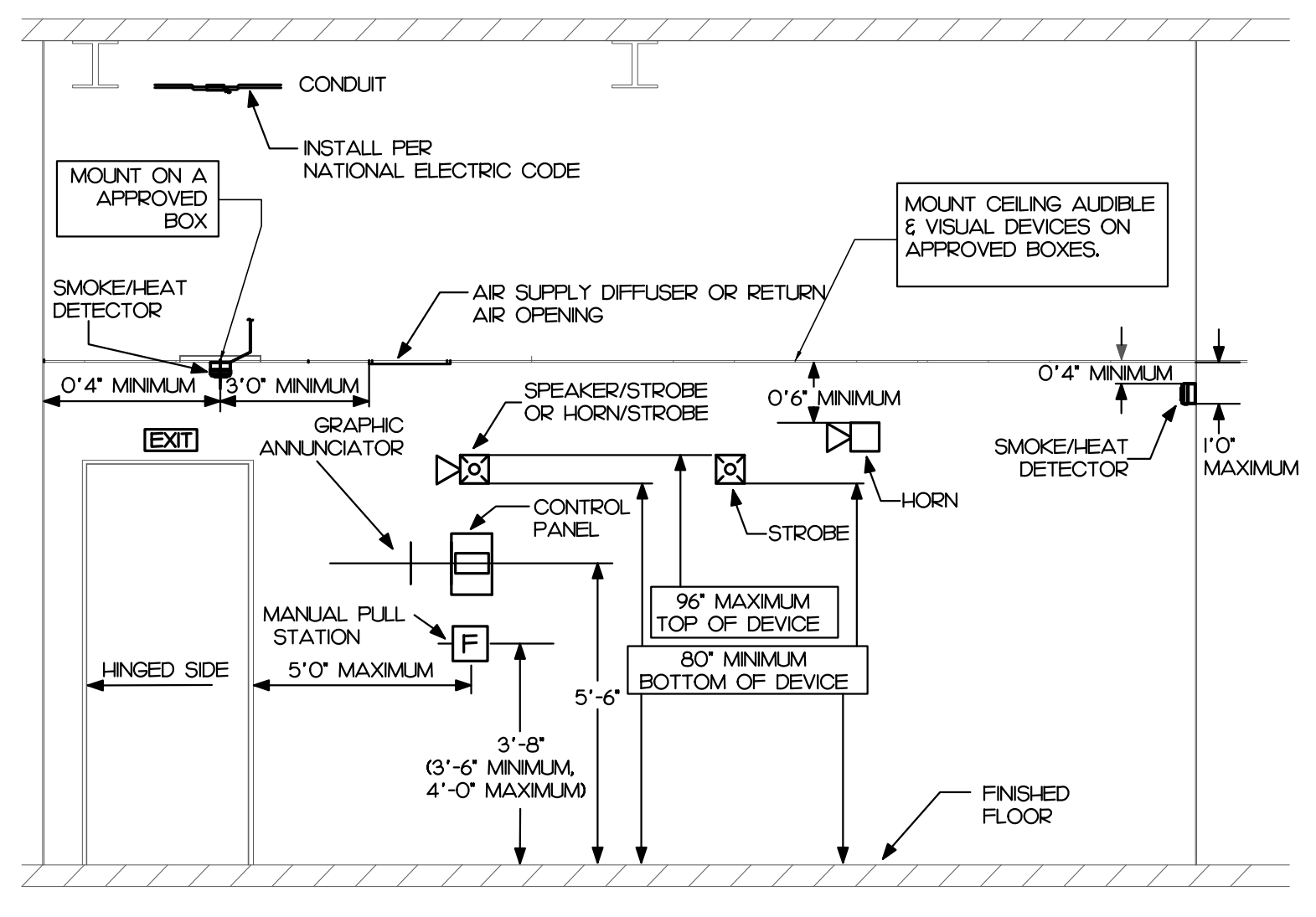


SYMBOL LEGEND

SYMBOL	DESCRIPTION	REMARKS
(S)	SMOKE DETECTOR, PHOTOELECTRIC ADDRESSABLE.	FIRELITE, EST GAMEWELL, SIMPLEX
(H)	HEAT DETECTOR, RATE OF RISE WITH FIXED TEMP. ADDRESSABLE.	FIRELITE, EST GAMEWELL, SIMPLEX
(S)	DUCT SMOKE DETECTOR, PHOTOELECTRIC WITH SAMPLING TUBE AND REMOTE TEST SWITCH, ADDRESSABLE.	FIRELITE, EST GAMEWELL, SIMPLEX
(F)	FIRE ALARM PULL STATION, MOUNT 42" AFF. ADDRESSABLE.	FIRELITE, EST GAMEWELL, SIMPLEX
(S)XXX	FIRE ALARM STROBE/HORN, MOUNT 80" AFF. 75 dBA SOUND LEVEL. 'XX' INDICATES CANDELA RATING.	FIRELITE, EST GAMEWELL, SIMPLEX
(S)XXX	FIRE ALARM CEILING STROBE/HORN, 75 dBA SOUND LEVEL. 'XX' INDICATES CANDELA RATING.	FIRELITE, EST GAMEWELL, SIMPLEX
(S)XX	FIRE ALARM STROBE, MOUNT 80" AFF. 'XX' INDICATES CANDELA RATING.	FIRELITE, EST GAMEWELL, SIMPLEX
(S)XX	FIRE ALARM CEILING STROBE. 'XX' INDICATES CANDELA RATING.	FIRELITE, EST GAMEWELL, SIMPLEX
(FAACP)	FIRE ALARM CONTROL PANEL, SURFACE MOUNTED, ADDRESSABLE.	FIRELITE, EST GAMEWELL, SIMPLEX
(FAA)	FIRE ALARM REMOTE ANNUNCIATOR, FLUSH MOUNTED, ADDRESSABLE, MOUNT 42" AFF.	FIRELITE, EST GAMEWELL, SIMPLEX
(NAC)	FIRE ALARM NOTIFICATION APPLIANCE POWER CABINET, SURFACE MOUNTED.	FIRELITE, EST GAMEWELL, SIMPLEX
(FCBELL)	FIRE ALARM CELLULAR COMMUNICATOR WITH BATTERY BACKUP 2 PATH COMMUNICATIONS: CELLULAR AND IP (INTERNET) SURFACE MOUNTED.	HONEYWELL: HWF2+COM OR EQUAL
(ADM)	RELAY CONTROL MODULE ADDRESSABLE.	FIRELITE, EST GAMEWELL, SIMPLEX
(AM)	MONITOR MODULE ADDRESSABLE.	FIRELITE, EST GAMEWELL, SIMPLEX

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX	SYSTEM OUTPUTS																			
	FAACP ANNUNCIATION	NOTIFICATION	REQUIRED FIRE SAFETY CONTROL																	
1. FIRE ALARM SYSTEM AC POWER FAILURE																				
2. FIRE ALARM SYSTEM LOW BATTERY																				
3. OPEN CIRCUIT																				
4. GROUND FAULT																				
5. NOTIFICATION APPLIANCE CIRCUIT SHORT																				
6. BUILDING MANUAL PULL STATIONS																				
7. CORRIDOR SMOKE DETECTORS																				
8. AREA SMOKE DETECTORS																				
9. HVAC AIR DUCT SMOKE DETECTORS																				
10.																				
11.																				
12.																				
13.																				

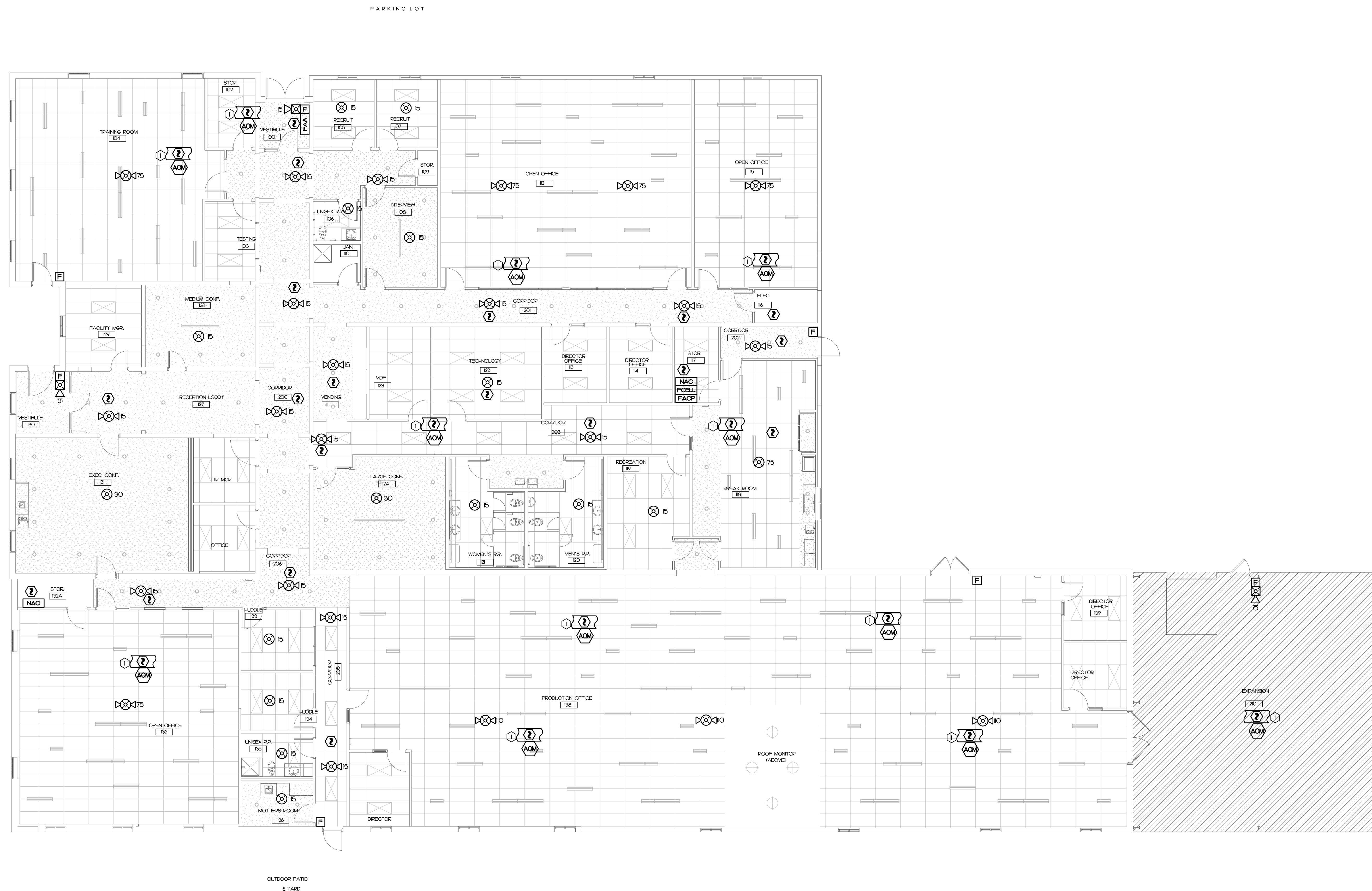
NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS



Copyright © 2024 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

KEY NOTES

① FIELD COORDINATE EXACT LOCATION OF DUCT DETECTOR AND RELAY MODULE.



1 FIRE ALARM PLAN
FA.1.1 1/8" = 1'-0"

Copyright © 2023 Oakley Collier Architects. These drawings are the property of the Architect for use under his supervision. No reproduction or other use is allowed without permission.

IMEG
3221 BLUE RIDGE ROAD, STE 113
RALEIGH, NC 27612
(919) 915-1111
www.imegcorp.com

IMEG RESERVES PROPRIETARY RIGHTS, INCLUDING COPYRIGHTS, TO THIS DRAWING AND THE DATA BEHIND THEREOF. SAID DRAWING AND/OR DATA ARE THE EXCLUSIVE PROPERTY OF IMEG AND SHALL NOT BE USED OR REPRODUCED FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN APPROVAL AND PARTICIPATION OF IMEG.
©2023 IMEG CONSULTANTS CORP.
North Carolina Design Registration #1-1507

MP SCALE IN INCHES PROJECT #24002

OAKLEY COLLIER ARCHITECTS
OCA ARCHITECTS
107 Candlewood Road, Rocky Mount, NC 27804 | P: 252.337.2200
303 W. Main Street, Raleigh, NC 27601

ATLANTEC ENGINEERS, PA
now **IMEG**
3221 BLUE RIDGE ROAD, SUITE 113
RALEIGH, NC 27612
(919) 571-1111
24081

RENOVATION FOR:
PROVALUS
CITY OF WHITEVILLE
127 W COLUMBUS ST., WHITEVILLE, NC



GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions	#	Description	Date
Date	10/30/2024	Project No.	24002
Drawn By	AB	Sheet No.	FA1.1
Checked By	AB	Sheet Title	FIRE ALARM PLAN