

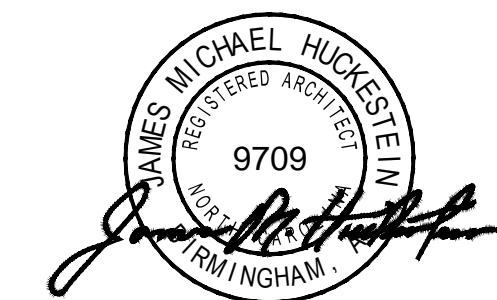
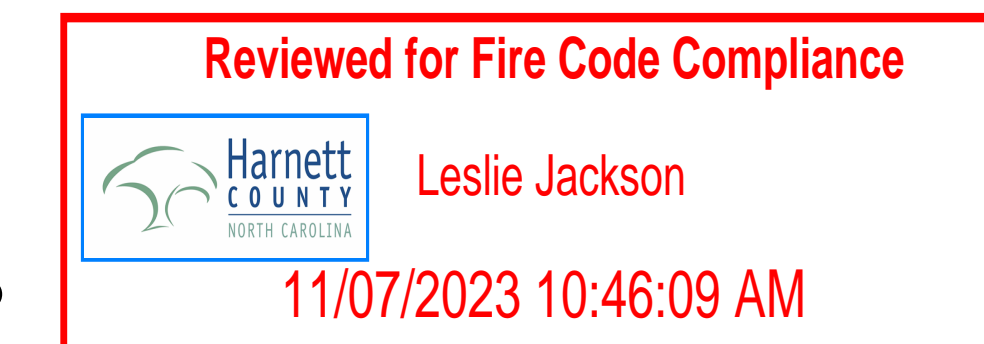
A New Building For:



Cameron, NC 28326



See note on E2.1

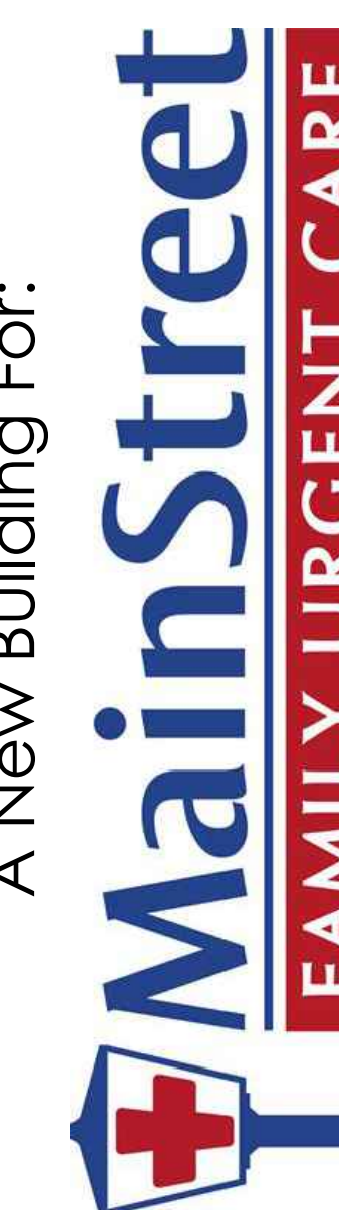


James m. huckestein architect, AIA

architecture . planning . interior design

2126 Morris Avenue  
Birmingham, Alabama 35203  
Phone (205) 322-1751  
Fax (205) 322-1778  
email info@jhucke.com  
www.jhucke.com

A New Building For:



Cameron, NC 28326

RELEASES / DESCRIPTION / DATES


NOT FOR CONSTRUCTION   
RELEASED FOR CONSTRUCTION

DATE 08.01.2023  
DRAWN MEH  
CHECKED ENH  
APPROVED H+HA

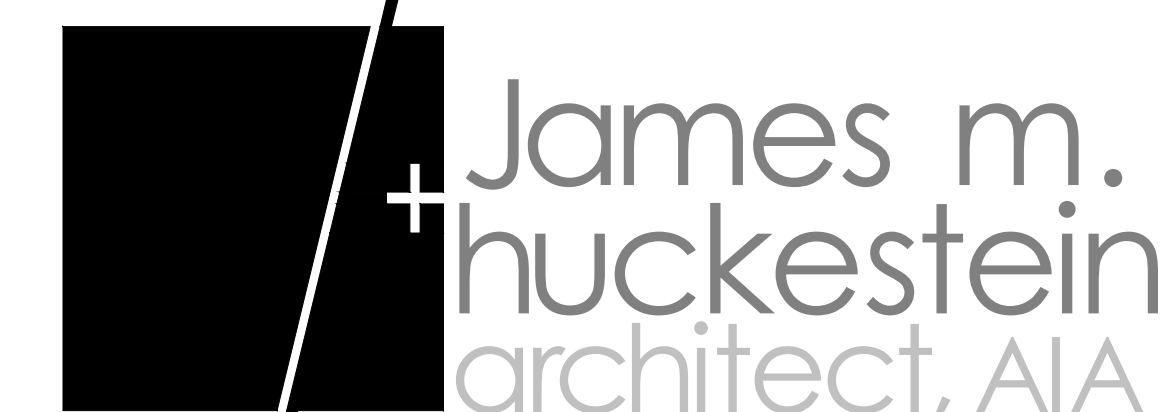
PROJECT NUMBER 23001.06

SHEET TITLE  
TITLE SHEET

DRAWING NO.

T1.1

architecture . planning . interior design



GRAPHIC SYMBOLS

**DOOR NUMBER**  
refer door schedule

**WINDOW SYMBOL**  
window type A

**OFFICE**

**ROOM NAME & NUMBER**

**SUPPLEMENTAL DRAWING**  
see project manual

**INTERIOR ELEVATION SYMBOL**  
see floor plans

**PARTITION TYPE**  
refer partition legend

**SHEET NOTE SYMBOL**  
see sheet keynotes

**BUILDING SECTION SYMBOL**  
see floor plans & building sections

**SECTION CUT SYMBOL**  
see floor plans, wall sections & details

**MATCH LINE & SYMBOL**  
see floor plans

**EXTERIOR ELEVATION SYMBOL**  
see floor plan & elevation sheets

**DETAIL AREA SYMBOL**  
see detail 01 sheet A7.1

**REVISION TO DRAWING SYMBOL**  
see sheet revisions

ABBREVIATIONS

AB Anchor Bolt	FFE Finished Floor Elevation	PAR Parallel
ACC Access	FFL Finished Floor Line	P.C. Point of Curvature
ACI American Concrete Institute	FHC Fire Hose and Cabinet	PL Property Line, Plat
ACT Acoustical Ceiling Tile	FC Face of Cabinet	PLAM Plastic Laminated
ADD Addendum	FF Face to Face	PLY Plywood
AFF Alternate	FN Finish (end)	PM Premolded
ALUM Aluminum	FR Floor	PNL Panel
APPROX Approximate	FRG Flange	PNT Point (end)
ARCH Architect (arch)	FS Foundation	PSF Pounds Per Square Inch
B&B Bagged and Burlapped	F.O. Face of Brick	PT Point / Pressure Treated
B/B Back to Back	FOC Face of Concrete	PV Pave (Imp)
BC Back of Curb	FOM Face of Masonry	PVC Polyvinyl Chloride
BD Board	FOS Face of Stud	PVMT Pavement
BLDG Building	FR Framed (end)(ing)	QT Quarry Tile
BLF Blocking	FT Foot/feet	R Riser
BLG Blocking	FLG Footing	RA Return Air
BM Beam	GL Glaze/Glue	RAD Radius
B.M. Benchmark	GA Gauge	RB Rubber Base
BOT Bottom	GALV Galvanized	RCP Reinforced Concrete Pipe
BRG Bearing	GB Grab Bar	RD Roof Drain
BRK Brick	GI Galvanized Iron	REBAR Reinforcement Bar
BSMT Basement	GW Gypsum Wall Board	REF Refrigerator / Reference
BT Bent	GYP Gypsum (Wat / Soft) Board	RENF Reinforce (Imp)
BUR Built-Up Roof	HC Hollow Core / Handicap	REQD Required
BW Bottom of Wall	HD Hardware	REV Revision / Revised
CAB Cabinet	HK Hook	RFG Roofing
CAL Caliper	HM Hollow Metal	RH Right Hand
CB Catch Basin	HCORE Horizontal	RM Room
C/C Center to Center	HP High Point / 1/2" Pipe Beam	R.M. Reinforced Masonry
CD Core Deck	HT Height	RO Rough Opening
CF Cubic Foot	HGT Height	ROW Right of Way
CHAN Channel	HVAC Heating, Ventilation & Air Conditioning	RTO Roof Top Unit
CI Cast Iron	ID Inside Diameter	RSV Reversed (side)
CIP Cast Iron Pipe	IE Invert Elevation	SCW Solid Core Wood
CJ Construction or Control Joint	IS Inside Face of Stud	SCH Schedule
CL Center Line	ISJ Isolation Joint	SD Storm Drain
CLG Ceiling	IN Inch / Inches	SECT Section
CLO Closet	INS Insulation	SH Shelf / Shelving
CLR Clear (ance)	IP Inlet	SM Similar
CLS Closure	JAN Janitor's Closet	SPEC Specification (s)
CMP Corrugated Metal Pipe	JG Joint Gilder	SQ Square
CMU Concrete Masonry Unit	JT Joint	SS Sanitary Sewer
CO Clean Out	K Key	SST Stainless Steel
COL Column	KIP 1000#	ST Spill Tee
CONC Concrete	KJ Key Joint	STL Steel
CONN Connection	KSI 1000# Per Square Inch	STD Standard
CONST Construction	L Laminated (d)	STOR Storage
CONT Continuous or Continue	LAM Laminate (d)	STRUCT Structural
CONTR Contract or Contractor	LF Linear Foot	SV Square Yard
CRT Carpet (ent)	L Length	T Tread
CRS Course(s)	LAV Laboratory	TC Top of
CS Countersink	LA Live Load	TELE Telephone
CT Ceramic Tile	LL Live Load	T&G Tongue and Groove
CTR Center	LLH Long Leg Horizontal	THK Thick (ness)
CY Cubic Yard	LLV Long Leg Vertical	TOS Top of Slab
D Dryer	LP Low Point	TS Tubular Steel
DBL Double	LTGA Light Cage	T/FTG Top of Footing
DEM Demolish or Demolition	LT Light	TJ Top of Joint
DEMO Demolition	MA Masonry	T/S Top of Steel
DET Detail	MATL Material	TW Top of Wall
DH Double Hung	MAX Maximum	TZ Terazzo
DI Diameter	MC Misc. Channel	UR Urinal
DIAG Diagonal	MCC Masonry Control Joint	UNO Unless Noted Otherwise
DIM Dimension	MCH Mechanical	VAR Varnish
DIP Ductile Iron Pipe	MEZZ Mezzanine	VB Vinyl Base
DL Dead Load	MANUF Manufacture (er)	VCT Vinyl Composition Tile
DR Door	MH Marble	VERT Vertical
DS Downspout	MR Mirror	VH Vinyl
DWG Drawing	MO Masonry Opening	VJ V-Joint (ed)
DF Drinking Fountain	MNT Mount (ed) (ing)	VWC Vinyl Wall Covering
EA Each	MTL Metal	W Washer / Width / Wide Flange
EF Each Face	MULL Mullion	WB Waste Base
EFS Exterior Insulation & Finish System	NIC Not in Contract	WC Water Closet
ELEV Elevation (Elevator)	NO Number	WD Wood
ELEC Electric (all)	NOM Nominal	WH Wall Hung
EMER Emergency	NTD Noted	WIN Window
ENGR Engineer	NTS Not to Scale	W.P. Work Point
EOP Edge of Pavement	OC On Center (s)	WSCT Watertight
EOS Edge of Slab	OD Outside Diameter	WT Weight
EPNT Epoxy Paint	OFCI Owner Furnished Contractor Installed	WW Walk to Wall
EQ Equal	OFD Owner Furnished Owner Installed	WWM Waxed Wire Mesh
EW Each Way	OFS Outside Face of Stud	W/W With
EWX Electric Water Cooler	OH Overhead	W/O Without
EXIT Exit/Exit	O.H. Opposite Hand	
EXP Expansion	OPH Opposite Hand	
EXT Exterior		
FBO Furnished By Others		
FD Floor Drain		
FE Fire Extinguisher		
FEC Fire Extinguisher and Cabinet		

MATERIAL SYMBOLS

**BRICK**

**CONCRETE**

**PRE-CAST CONCRETE**

**EARTH / UNDISTRIBED**

**STONE (IN SECTION)**

**GLASS (IN ELEVATION)**

**EARTH / COMPACTED FILL**

**POROUS FILL (STONE OR GRAVEL)**

**MARBLE (LARGE SCALE)**

**CONCRETE MASONRY UNIT (IN SECTION)**

**INSULATION: LOOSE BATT OR FIRE SAFING**

**CERAMIC TILE (IN ELEVATION)**

**WOOD: ROUGH, CONTINUOUS**

**INSULATION: RIGID**

**PLASTIC LAMINATE (LARGE SCALE, IN SECTION)**

**WOOD: SHIMS & BLOCKING, INTERMITTENT**

**WOOD: PLYWOOD**

**CERAMIC TILE (IN SECTION, LARGE SCALE)**

**WOOD: FINISH**

**WOOD: LAMINATED TIMBER**

**ACOUSTICAL TILE (IN SECTION, LARGE SCALE)**

**GYPSUM BOARD**

**METAL**

**ALUMINUM (IN SECTION, LARGE SCALE)**

VICINITY MAP



VICINITY MAP

BUILDING CODE SUMMARY

PROJECT NAME: Main Street Family Urgent Care

ADDRESS: Cameron, NC 28326

PROPOSED USE: Business

CONTACT: Sam Saia (205.516.0052)

REFERENCED CODES / JURISDICTION:  
 2015 International Building Code, 2018 Edition, with North Carolina Amendments  
 2015 International Energy Conservation Code, 2018 Edition, with North Carolina Amendments  
 2015 National Electrical Code, 2017 Edition, with North Carolina Amendments  
 2015 International Mechanical Code, 2018 Edition, with North Carolina Amendments  
 2015 International Plumbing Code, 2018 Edition, with North Carolina Amendments  
 2009 ANSI Standards

DESIGNER OF RECORD:

DESIGNER	NAME	LICENSE	TELEPHONE	ADDRESS
ARCHITECTURAL	Jim Huckestein	9709	(205) 322-1751	2126 Morris Ave, Birmingham, AL 35203
ELECTRICAL	Elizabeth Hyde	026247		3120 9th Ave S.
MUNING	Jay Eiring	039423		802 Mtn. Creek Ct., Prattville, AL
MECHANICAL	Jay Eiring	039423		802 Mtn. Creek Ct., Prattville, AL
STRUCTURAL	Keith Galloway	17662	(205) 385-4533	1803 First Ave South, Pell City, AL 35125
SPRINKLER/SD. PIPE	N/A			
FIRE ALARM	N/A			
FOOD SERVICE	N/A			

BUILDING DATA:

OCCUPANCY:  ASSEMBLY - A2  BUSINESS  EDUCATIONAL  MERCANTILE  HAZARDOUS  FACTORY-INDUSTRIAL  
 INSTITUTIONAL (UNRESTRAINED)  INSTITUTIONAL (RESTRAINED)  RESIDENTIAL  STORAGE

MIXED OCCUPANCY (YES/NO - SEPARATION): No

CONSTRUCTION TYPE:  IA  IB  IIA  IIB  IIA  IIB  IVA  IVB  VB

MIXED CONST. (YES/NO): NO TYPE / CONDITION: EXISTING CONSTRUCTION

SPRINKLED (YES/NO): NO

FIRE DISTRICT (YES/NO): NO

BUILDING HEIGHT: 18'-0" NUMBER OF STORES: ONE (1)

MEZZANINE (YES/NO): NO

HIGH RISE (YES/NO): NO

GROSS TENANT AREA: 2,866 SQ.FT.

AREA INCREASE (YES/NO): NO IF YES, CODE REF: \_\_\_\_\_

IF YES, CALCULATIONS: \_\_\_\_\_

FIRE RESISTANCE RATINGS

EXTERIOR BEARING WALLS:	REQ'D HOURLY	DETAIL # & SHEET #	% WALL OPENING	DESIGN # FOR ASSEMBLIES
NORTH	NC	N/A	N/L	N/A
EAST	NC	N/A	N/L	N/A
WEST	NC	N/A	N/L	N/A
SOUTH	NC	N/A	N/L	N/A
EXTERIOR NON-BEARING WALLS:				
NORTH	NC	N/A	N/L	N/A
EAST	NC	N/A	N/L	N/A
WEST	NC	N/A	N/L	N/A
SOUTH	NC	N/A	N/L	N/A
PARTY/FIREWALLS:	NC	N/A	N/L	N/A

INTERIOR WALLS	REQ'D HOURLY	PENETRATION REQ'D. HR.	DESIGN # FOR ASSEMBLIES	ASSEMBLY CONDITION
BEARING	NC	N/A	N/A	N/A
NON-BEARING	NC	N/A	N/A	N/A
TENANT SEPARATION	1HR	N/A	N/A	N/A
CLG/FLR ASSEMBLY:	NC	N/A		
BEAMS:	NC	N/A		
COLUMNS:	NC	N/A		
CLG/ROOF ASSEMBLY:	NC	N/A		
VERTICAL SHAFTS:	NC	N/A		
CHASES - P.E.M.:	NC	N/A		
MIXED OCCUPANCY SEPARATION:	NC	N/A		
TENANT SEPARATION:	NC	N/A		

EXIT REQUIREMENTS:

MAXIMUM DEAD-END CORRIDOR: 20 FEET

MAXIMUM TRAVEL DISTANCE TO EXIT: 200 FEET

TOTAL OCCUPANT LOAD: 29 OCCUPANTS - SEE LS1.1 FOR BREAKDOWN

TOTAL EXIT WIDTH REQUIREMENT: 29'0.2=6.6'

TOTAL EXIT WIDTH PROVIDED: 102" TOTAL CLEAR

ENERGY CODE COMPLIANCE:

THE "BUILDING ENVELOPE" ENERGY CODE COMPLIANCE (SECTION C402) IS MET BY USING THE PRESCRIPTIVE METHOD OUTLINED USING TABLE C402.1.3 R-VALUE METHOD FOR "OPAQUE THERMAL ENVELOPE INSULATION COMPONENT MINIMUM REQUIREMENTS" FOR CLIMATE ZONE 4.

DRAWING INDEX

TITLE	ISSUE DATE	REVISION DATE
T1.1 Title Sheet	08.01.2023	
T1.2 Abbreviations, Building Code Summary, Symbols, Vicinity Map & Drawing Index	08.01.2023	
T1.3 ADA Guidelines	08.01.2023	
T1.4 ADA Guidelines	08.01.2023	

LIFE SAFETY

LS1.1 Life Safety Plan	08.01.2023	10.18.2023
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ARCHITECTURAL

A1.1 Construction Floor Plan	08.01.2023	10.18.2023
A1.2 Floor Finish Plan	08.01.2023	10.18.2023
A2.1 Exterior Elevation	08.01.2023	10.23.2023
A2.2 Exterior Elevation	08.01.2023	10.23.2023
A3.1 Reflected Ceiling Plan	08.01.2023	10.18.2023
A4.1 Roof Plan	08.01.2023	10.18.2023
A5.1 Wall Sections	08.01.2023	
A7.1 Interior Elevations	08.01.2023	10.18.2023
A7.2 Interior Elevations	08.01.2023	10.18.2023
A7.3 Millwork Sections	08.01.2023	10.18.2023
A7.4 Enlarged Floor Plans	08.01.2023	10.18.2023
A8.1 Door & Window Schedules & Details	08.01.2023	

STRUCTURAL

S1.0 Structural Details	08.01.2023	
S1.1 Components & Cladding Wind Loading	08.01.2023	
S1.2 Fastening Requirements	08.01.2023	
S2.0 Structural Plans	08.01.2023	
S3.0 Sections	08.01.2023	

MECHANICAL

M1.1 HVAC Schedules & Details, HVAC Plan	08.01.2023	
M2.1 Floor Plan HVAC	08.01.2023	

PLUMBING

P1.1 Plumbing Schedules & Details	08.01.2023	
P2.1 Plumbing Pressure & Non-Press. Plans	08.01.2023	

ELECTRICAL

E0.1 Electrical Symbols, Schedules & Notes	08.01.2023	10.19.2023
E0.2 Electrical Specifications	08.01.2023	10.18.2023
E2.1 Electrical Floor Plans	08.01.2023	10.18.2023

CONSTRUCTION NOTES

- DO NOT SCALE DRAWINGS IF DIMENSIONS ARE IN QUESTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ON THE SITE ALL DIMENSIONS, EQUIPMENT LOCATIONS AND EXISTING CONDITIONS. NOTIFY THE ARCHITECT PROMPTLY, IN WRITING, IN THE EVENT OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL PROVIDE CHASES FOR MECH., PLUMB., AND ELEC. AS REQ'D. SEE RESPECTIVE DRAWING SECTIONS.
- FOR ALL RATED AND SMOKE PARTITIONS, THE SURFACE AREA OF AN INDIVIDUAL RECESSED METALLIC OUTLET, SWITCH BOX, ETC. SHALL NOT EXCEED 16 SQUARE INCHES. THE AGGREGATE SURFACE OF THE RECESSED OUTLETS, BOXES, ETC. SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET OF WALL AREA. BOXES AND FIXTURES THAT EXCEED INCHES OR 16 SQUARE THE AGGREGATE AREA LIMITATION SHALL BE BACKED WITH 5/8" TYPE "X" GYPSUM BOARD TO MAINTAIN THE PARTITION RATING BEHIND THE BOXES OR FIXTURES. RECESSED BOXES LOCATED ON OPPOSITE SIDES OF WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES.
- PIPPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED IN FURRED SPACES WITH THE EXCEPTION OF PIPING IN ROOMS WITH EXPOSED CEILINGS. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO PROVIDE FURRING FOR PIPING INSTALLED IN FINISH AREAS.
- DIMENSIONS SHOWN ON THE FLOOR PLANS ARE TO FACE OF STUD AT INTERIOR STUD WALLS, TO FACE OF FINISH AT EXISTING EXTERIOR WALLS, TO THE CENTERLINE OF COLUMNS AND FACE OF COLUMN FINISH, UNLESS OTHERWISE NOTED. NOTATION ON PLANS TO PROVIDE A "CLEAR" MINIMUM DIMENSION SHALL INCORPORATE THE FINAL FINISH THICKNESS.
- PROVIDE MTL OR WOOD STUD FRAMING TO MATCH WALL CONST. AROUND ALL PENETRATIONS THROUGH WALLS. PATCH AND SEAL PENETRATIONS IN FIRE & SMOKE WALLS IN A MANNER WHICH WILL MAINTAIN RATING. FIRE SEAL METHOD USED MUST BE A TESTED UL (UNDERWRITERS LABORATORIES) PENETRATION ASSEMBLY.
- THE CONTRACTOR SHALL VERIFY THAT ACCESS PANELS ARE INSTALLED IN WALLS AND NON-ACCESSIBLE TYPE CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL PLUMBING OR ELECTRICAL ITEM MAY BE REQUIRED. ACCESS PANELS SHALL BE OF THE FIRE RATED TYPE EQUAL TO THE RATING OF THE WALL OR CEILING IN WHICH THEY OCCUR.
- CAULK AT JUNCTURE OF INTERIOR FACES OF DOOR FRAMES, VIEW WINDOW FRAMES, EXTERIOR WINDOW FRAMES AND CASEWORK WITH ADJACENT MATERIAL EVEN THOUGH JOINT MAY NOT BE VISIBLE.
- SEAL AROUND ALL EXPOSED ROOF PIPING, ETC. TO COORDINATE WITH EXISTING ROOFING SYSTEM.
- REFER TO THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE LOCATIONS OF PIPING, CURBS, VENTS, DUCTS, FANS AND OTHER ITEMS ON THE ROOF SURFACE.
- THE CONTRACTOR IS REQUIRED TO REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS AND IS TO NOTE AREAS OF WORK ON SHEETS TRADITIONALLY NOTED AS WORK OF OTHER TRADES. I.E. THE REQUIREMENT OF PROVIDING POWER TO MECHANICAL OR OTHER EQUIPMENT SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS AND NOT ON THE ELECTRICAL DRAWINGS. CONTRACTOR IS TO NOTIFY ARCHITECT FOR COORDINATION OF WORK ON THESE ITEMS.
- THE CONTRACTOR SHALL MAINTAIN SAFE METHODS OF EGRESS AND CIRCULATION DURING CONSTRUCTION.
- PROVIDE 2X4S P.T. WOOD BLOCKING IN THE WALLS FOR DOOR BUMPERS, STOPS, SHELVEYS, WALL MOUNTED HARDWARE / HANDRAILS, CASEWORK, TOILET ACCESSORIES AND OTHER WALL MOUNTED ITEMS INCLUDING SPECIFIED EQUIPMENT NOTED AS N.I.C.
- WATER CLOSETS SHALL BE MOUNTED SO THAT THERE IS A MINIMUM OF 1'-6" BETWEEN THE FACE OF ADJACENT SIDE WALL AND THE CENTERLINE OF THE WATER CLOSET.
- PAINT SURFACES OF HOLLOW METAL DOORS AND FRAMES IN A COLOR AS INDICATED ON THE SCHEDULES, OR IF NOT INDICATED, AS DIRECTED BY THE ARCHITECT.
- THE CONTRACTOR SHALL MAINTAIN THE APPROPRIATE RATINGS WHERE THERE IS RECESSED WALL MOUNTED EQUIPMENT.
- PATCH AND SEAL PENETRATIONS IN FIRE AND SMOKE WALLS IN A MANNER WHICH WILL MAINTAIN THE WALLS FIRE RATING. FIRE SEAL METHOD USED MUST BE A TESTED UL (UNDERWRITERS LABORATORIES) PENETRATION ASSEMBLY.
- SHOULD CONFLICT OCCUR IN OR BETWEEN DRAWING(S) AND/OR SPECIFICATION(S), OR SHOULD CONFLICTING INFORMATION BE FOUND THEREIN, THE CONTRACTOR WILL BE DEEMED TO HAVE ESTIMATED ON THE MORE EXPENSIVE WAY OF DOING THE WORK INVOLVED UNLESS HE SHALL HAVE ASKED FOR AND OBTAINED THE WRITTEN DECISION OF THE ARCHITECT, BEFORE SUBMISSION OF HIS BID, AS TO METHOD, MATERIALS, OR EQUIPMENT REQUIRED.
- IN CASES WHERE THE CONTRACTOR IS TO PROVIDE MECHANICAL, ELECTRICAL AND/OR PLUMBING SERVICES AS PART OF A DESIGN/BUILD PACKAGE, ALL ACCESSORY COMPONENTS OF SUCH DESIGN/BUILD PACKAGES NECESSARY FOR THEIR PROPER INSTALLATION, USE, AND MAINTENANCE SHALL ALSO BE INCLUDED IN THE DESIGN/BUILD PACKAGE, INCLUDING BUT NOT LIMITED TO UTILITIES, CONNECTIONS TO AND EXTENSIONS THEREOF, AND ACCESS PANELS.



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architect, AIA

architecture . planning . interior design

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email info@jmhucke.com  
www.jmhucke.com

A New Building For:

**MainStreet**  
FAMILY URGENT CARE

Cameron, NC 28326

RELEASES / DESCRIPTION / DATES

1	OWNER CHANGES	10.18.23
2	PERMIT COMMENT RESPONSE	10.23.23

NOT FOR CONSTRUCTION   
 RELEASED FOR CONSTRUCTION

DATE	08.01.2023
DRAWN	MEH
CHECKED	ENH
APPROVED	H+HA

PROJECT NUMBER: **23001.06**

SHEET TITLE  
**DRAWING INDEX CODE STUDY SYMBOLS VICINITY MAP**

DRAWING NO. **T1.2**

## 4.2 - SPACE ALLOWANCES AND REACH RANGES

### SECTION 4.2.1 - WHEELCHAIR PASSAGE WIDTH

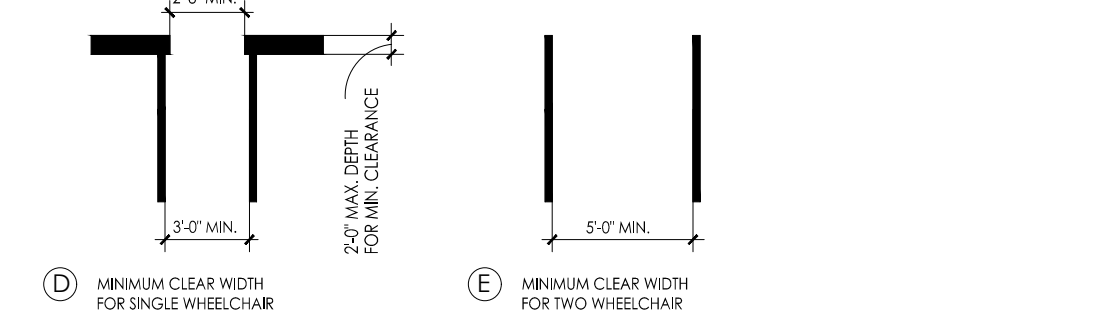
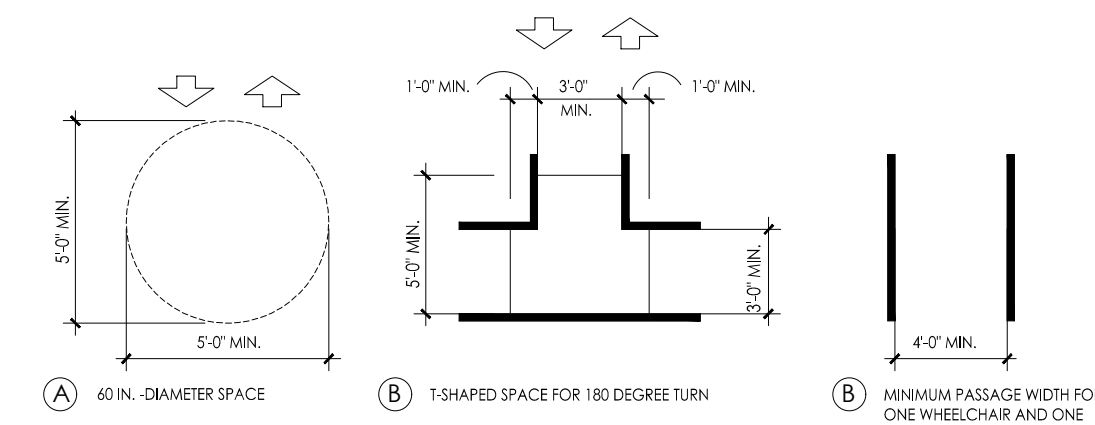
- A. THE MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR PASSAGE SHALL BE 32" AT A POINT AND 36" CONTINUOUSLY.

### SECTION 4.2.2 - WIDTH FOR WHEELCHAIR PASSING

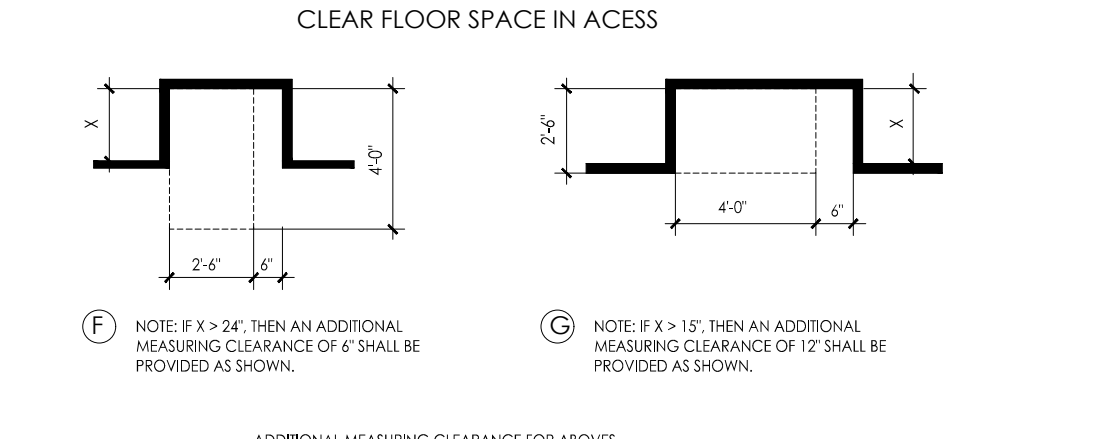
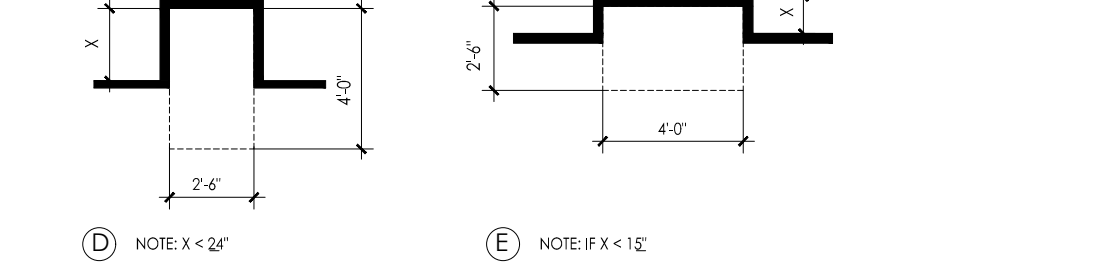
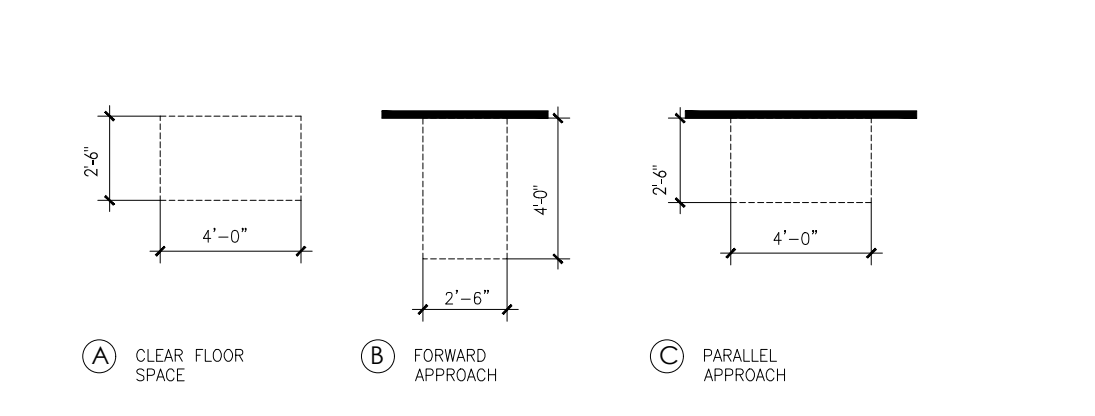
- A. THE MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS TO PASS IS 60".

### SECTION 4.2.4.1 - SIZE AND APPROACH

- A. MINIMUM CLEAR FLOOR SPACE FOR A WHEELCHAIR AND OCCUPANT SHALL BE 30" WIDE X 48" LONG. CLEAR FLOOR SPACE SHALL BE CENTERED ON THE ELEMENT IT SERVES.



### WHEELCHAIR TURNING SPACE



## 4.3 - ACCESSIBLE ROUTE

### SECTION 4.3.2 - LOCATION

- A. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE.

### SECTION 4.3.3 - WIDTH

- A. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36" EXCEPT AT DOORS.

### SECTION 4.3.4 - PASSING SPACE

- A. IF AN ACCESSIBLE ROUTE IS LESS THAN 60" IN WIDTH, THEN PASSING SPACES OF AT LEAST 60" X 60" SHALL BE PROVIDED AT 20' MAX. SPACING.

### SECTION 4.3.5 - HEAD ROOM

- A. ACCESSIBLE ROUTES SHALL HAVE 80" MIN. CLEAR HEAD ROOM.

### SECTION 4.3.7 - SLOPE

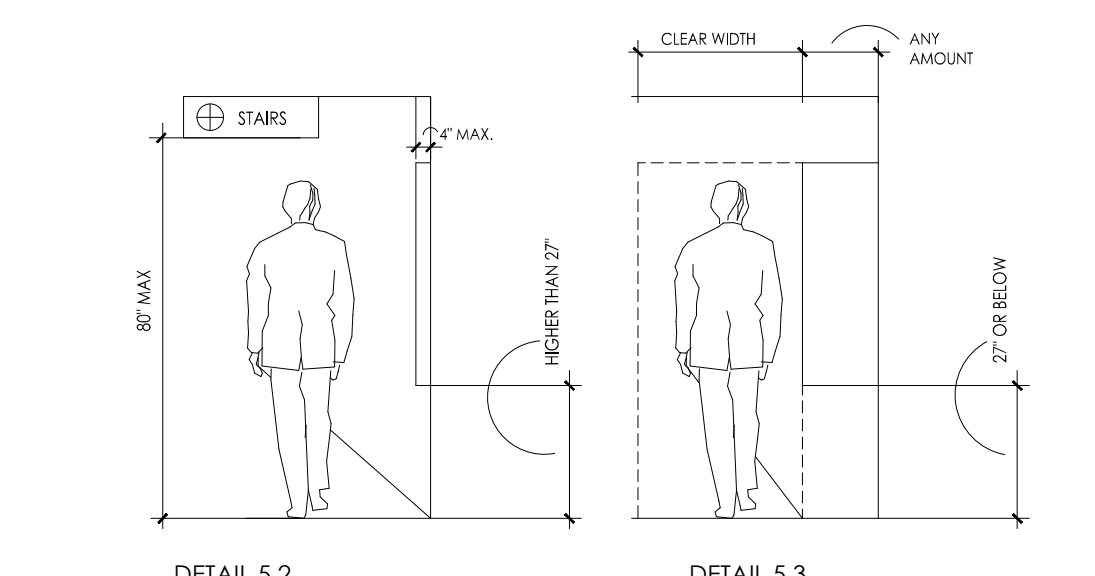
- A. RUNNING SLOPE SHALL NOT EXCEED 1:20 (IF SLOPE EXCEEDS 1:20, REFER TO SECTION 4.8)  
B. CROSS SLOPE SHALL NOT EXCEED 1:50

## 4.4 - PROTRUDING OBJECTS

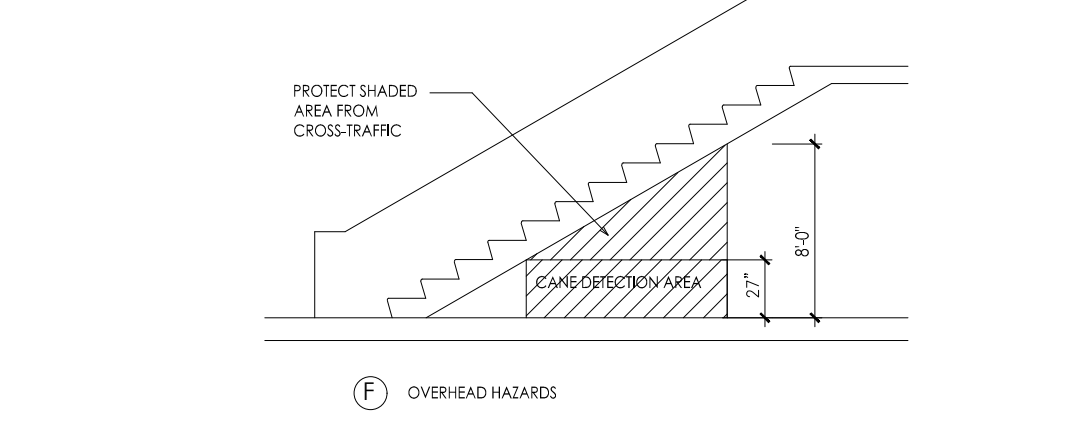
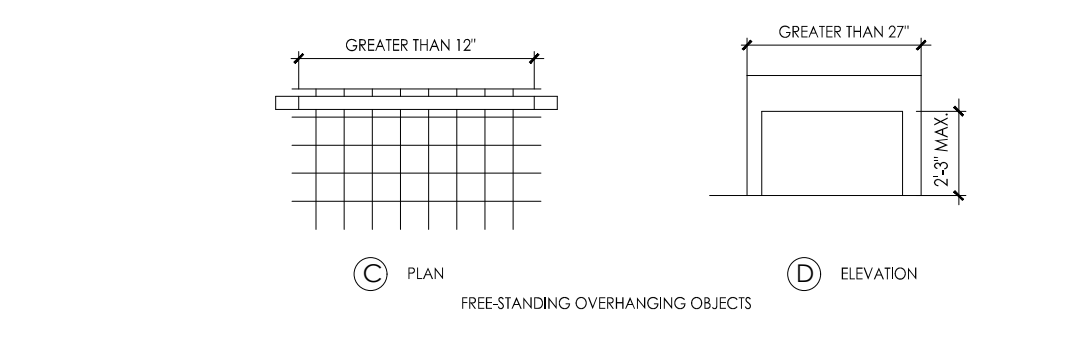
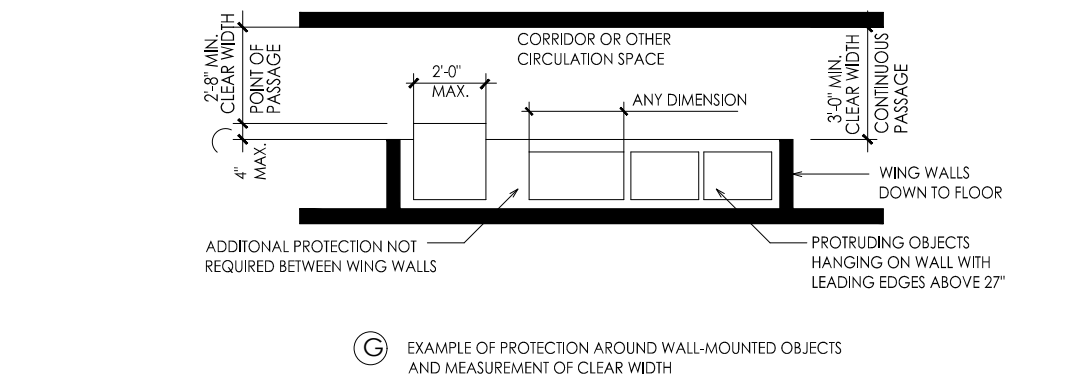
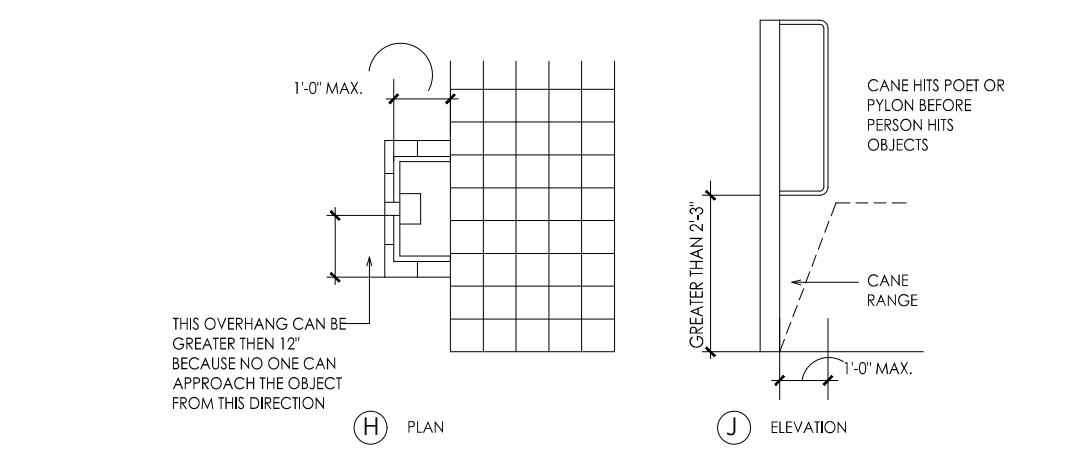
(REFER DETAILS 5.2 & 5.3)

### SECTION 4.4.1 - GENERAL

- A. OBJECTS PROJECTING FROM WALLS (FOR EXAMPLE, TELEPHONES) WITH THEIR LEADING EDGES BETWEEN 27"-80" ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" IN TO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PILONS MAY OVERHANG 12" MAXIMUM FROM 27"-80" ABOVE THE GROUND OR FINISHED FLOOR. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH OF AN ACCESSIBLE ROUTE OR MANEUVERING SPACE.



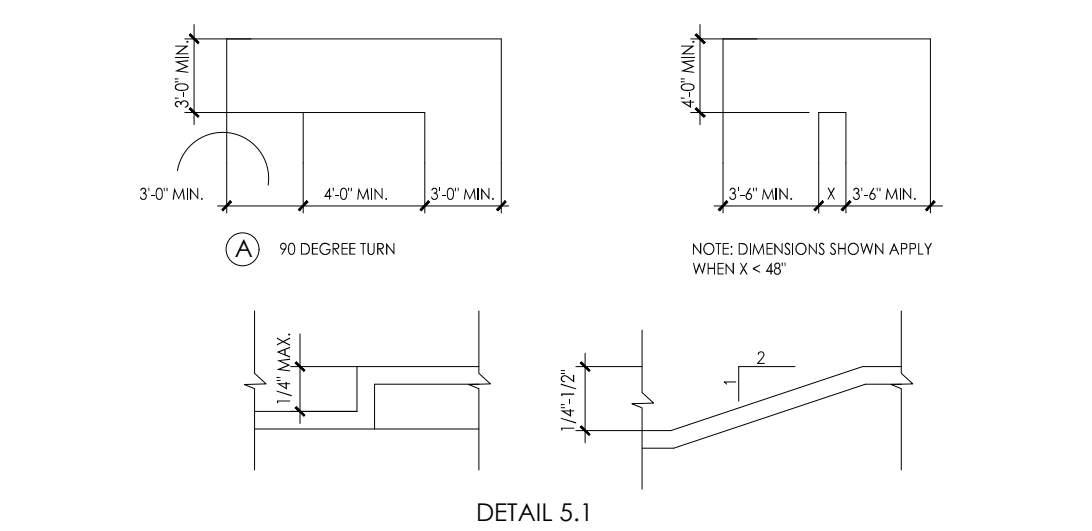
## 4.4 - PROTRUDING OBJECTS, CONTINUED



## 4.5 - GROUND AND FLOOR SURFACES

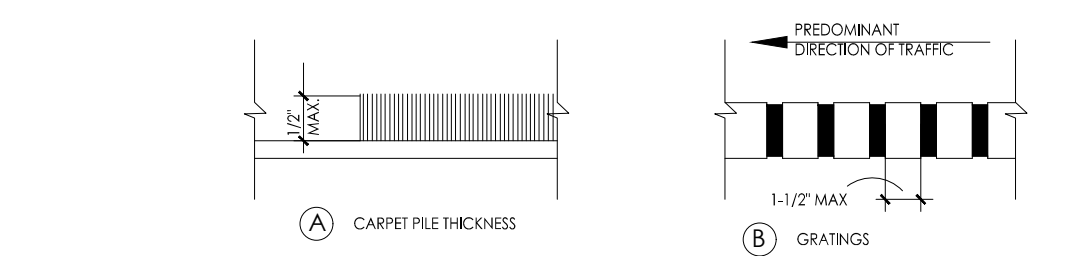
### SECTION 4.5.2 - CHANGES IN LEVEL (REFER TO DETAIL 5.1)

- A. CHANGES IN LEVEL UP TO 1/4" MAY BE VERTICAL AND WITHOUT EDGE TREATMENT.  
B. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.



### SECTION 4.5.3 - CARPET

- A. CARPET PROVIDED ON A FLOOR SURFACE SHALL BE SECURELY ATTACHED, HAVE A FIRM PAD OR BACKING, OR NO PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL, CUT/UNCUT PILE TEXTURE. MAXIMUM PILE THICKNESS SHALL BE 1/2". EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE EXPOSED EDGES.



### SECTION 4.5.4 - GRATINGS

- A. IF GRATINGS ARE LOCATED IN WALKING SURFACES OR ALONG ACCESSIBLE ROUTES, THEN THEY SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION.  
B. IF GRATINGS HAVE ELONGATED OPENING, THEN THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

## 4.6 - PARKING AND PASSENGER LOADING ZONES

### SECTION 4.6.3 - PARKING SPACES

- A. ACCESSIBLE PARKING SHALL BE AT LEAST 96" WIDE.  
B. PARKING ACCESS AISLES SHALL BE 60" WIDE. VAN ACCESSIBLE SPACE SHALL BE 96" WIDE.  
C. SURFACE SLOPE SHALL NOT EXCEED 1:50 (29 DEGREE) IN ALL DIRECTIONS.

### SECTION 4.6.4 - SIGNAGE

- A. CHARACTERS AND SYMBOLS ON SUCH SIGNS SHALL BE LOCATED 60" MINIMUM ABOVE THE GROUND.  
B. SIGNAGE LOCATED WITHIN AN ACCESSIBLE ROUTE SHALL BE LOCATED 80" MIN. ABOVE THE WORKING SURFACE.

### SECTION 4.6.5 - VERTICAL CLEARANCE

- A. PROVIDE MINIMUM VERTICAL CLEARANCE OF 11'6" AT ACCESSIBLE PASSENGER LOADING ZONES AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE FROM SIDE ENTRANCES AND EXITS.

### SECTION 4.6.6 - PASSENGER LOADING ZONE

- A. PASSENGER LOADING ZONES SHALL PROVIDE AN ACCESSIBLE AT LEAST 60" WIDE AND 20 FT LONG ADJACENT AND PARALLEL TO THE VEHICLE PULL-UP SPACE. IF THERE ARE CURBS BETWEEN THE ACCESSIBLE AND THE VEHICLE PULL-UP SPACE, THEN A CURB RAMP COMPLYING WITH 4.7 SHALL BE PROVIDED. VEHICLE STANDING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPE NOT EXCEEDING 1:50 IN ALL DIRECTIONS.

## 4.7 - CURB RAMPS

### SECTION 4.7.2 - SLOPE (REFERENCE DETAIL 3.1)

- A. SLOPE OF CURB RAMPS SHALL COMPLY WITH 4.8.2.  
B. MAXIMUM SLOPE OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20.

## 4.7 - CURB RAMPS, CONTINUED

### SECTION 4.7.3 - WIDTH (REFERENCE DETAIL 3.1)

- A. PROVIDE LEVEL AND CLEAR MANEUVERING AREA AT DOORS AS FOLLOWS:  
FRONT APPROACH FULL SIDE  
FRONT APPROACH PUSH SIDE

### SECTION 4.7.5 - SIDES OF CURB RAMPS (REFERENCE DETAIL 3.1)

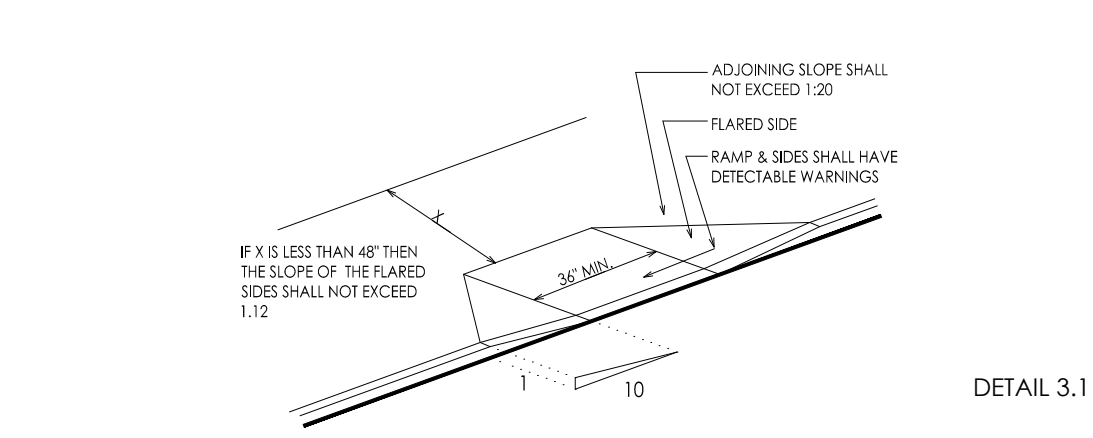
- A. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES. THE MAXIMUM SLOPE OF THE FLARE SHALL BE 1:10.

### SECTION 4.7.10 - DIAGONAL CURB RAMPS

- A. IF DIAGONAL CURB RAMPS HAVE RETURNED CURB OR OTHER WELL-DEFINED EDGES, SUCH EDGES SHALL BE PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS ARE PROVIDED AT MARK CROSSINGS. THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS. IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE AT LEAST A 24" LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

### SECTION 4.7.11 - ISLANDS

- A. ANY RAISED ISLAND IN CROSSING SHALL BE CUT THROUGH LEVEL WITH THE STREET OR CURB RAMPS AT BOTH SIDES AND A LEVEL AREA AT LEAST 48" LONG BETWEEN THE CURB RAMPS IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS.



## 4.8 - RAMPS

### SECTION 4.8.1 - GENERAL

- A. ANY PART OF AN ACCESSIBLE ROUTE WITH A SLOPE GREATER THAN 1:20 SHALL BE CONSIDERED A RAMP AND SHALL COMPLY WITH 4.8.

### SECTION 4.8.2 - SLOPE AND RISE

- A. THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12. THE MAXIMUM RISE FOR ANY RUN SHALL BE 30".

### SECTION 4.8.3 - CLEAR WIDTH

- A. THE MINIMUM CLEAR WIDTH OF A RAMP 30 FT OR LESS IN LENGTH SHALL BE 36". RAMPS MORE THAN 30 FT. IN LENGTH SHALL HAVE A MINIMUM CLEAR WIDTH OF 44".

### SECTION 4.8.4 - LANDINGS

- A. LEVEL LANDING REQUIRED AT TOP AND BOTTOM OF EACH RUN, WITH THE FOLLOWING FEATURES:  
1. MINIMUM WIDTH EQUAL TO WIDTH OF RAMP.  
2. LENGTH: MINIMUM 60" CLEAR.

### SECTION 4.8.5 - HANDRAILS

- A. HEIGHT: 34-38" ABOVE RAMP SURFACE.  
B. THE SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1 1/2".

## 4.9 - STAIRS

### SECTION 4.9.2 - TREADS AND RISERS

- A. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISE HEIGHTS AND TREAD WIDTHS.  
1. MINIMUM TREAD DEPTH SHALL BE 11". MEASURED FROM RISER TO RISER (NOT INCLUDING NOSING).  
2. OPEN RISERS ARE NOT PERMITTED.

### SECTION 4.9.4 - HANDRAILS

- A. NON-CONTINUOUS HANDRAILS SHALL EXTEND 12" BEYOND THE TOP RISER AND 12" PLUS THE WIDTH OF ONE TREAD BEYOND THE BOTTOM RISER. AT THE TOP, THE EXTENSION SHALL BE PARALLEL TO THE FLOOR. AT THE BOTTOM, THE HANDRAIL SHALL CONTINUE TO SLOPE FOR A DISTANCE OF ONE TREAD WIDTH (11"); THE REMAINING EXTENSION SHALL BE HORIZONTAL.  
B. HEIGHT: 34-38", MEASURED FROM THE STAIR NOSING.

## 4.10 - ELEVATORS

### SECTION 4.10.3 - HALL CALL BUTTONS

- A. SHALL BE CENTERED 42" ABOVE FLOOR.

### SECTION 4.10.4 - HALL LANTERNS

- A. VISIBLE SIGNAL SHALL HAVE THE FOLLOWING FEATURES:  
1. FIXTURES SHALL BE MOUNTED WITH CENTERLINE AT LEAST 72" ABOVE THE LOBBY FLOOR.  
2. VISUAL ELEMENTS SHALL BE AT LEAST 1/2" IN THE SMALLEST DIMENSION.

### SECTION 4.10.5 - RAISED AND BRAILLE CHARACTERS ON HOISTWAY ENTRANCES

- A. ALL ELEVATOR HOISTWAY ENTRANCES SHALL HAVE RAISED AND BRAILLE FLOOR NO. DESIGNATIONS PROVIDED ON BOTH JAMBS. CENTERLINE OF THE CHARACTERS SHALL BE 60" ABOVE THE FLOOR. CHARACTERS SHALL BE 2" HIGH.

### SECTION 4.10.6 - DOOR PROTECTIVE AND REOPENING DEVICE

- A. ELEVATOR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY. THEY SHALL BE PROVIDED WITH A REOPENING DEVICE THAT WILL STOP AND REOPEN A CAR DOOR AND HOISTWAY DOOR AUTOMATICALLY IF THE DOOR BECOMES OBSTRUCTED BY AN OBJECT OR PERSON.

### SECTION 4.10.12 - CAR CONTROLS

- A. ALL FLOOR BUTTONS SHALL BE:  
1. ALL CONTROL BUTTONS SHALL BE AT LEAST 3/4" IN THEIR SMALLEST DIMENSION. THEY SHALL BE FLUSH OR RAISED.  
2. ALL CONTROL BUTTONS SHALL BE DESIGNATED BY BRAILLE AND BY RAISED STANDARD ALPHABET CHARACTERS FOR LETTERS, ARABIC CHARACTERS FOR NUMBERS, THE CALL BUTTON FOR THE MAIN ENTRY FLOOR SHALL BE DESIGNATED BY A RAISED STAR AT THE LEFT OF THE FLOOR DESIGNATION.  
3. MAXIMUM 54" ABOVE FLOOR WHERE SIDE APPROACH IS PROVIDED.  
4. MAXIMUM 48" WHERE FORWARD APPROACH IS PROVIDED.  
B. EMERGENCY CONTROLS:  
1. SHALL HAVE CENTERLINES 35" MINIMUM ABOVE FLOOR.  
2. SHALL BE GROUPED AT BOTTOM OF PANEL.

## 4.11 - PLATFORM LIFTS

### SECTION 4.11.2, 4.27.3 - OTHER REQUIREMENTS CONTROLS AND OPERATING SYSTEMS

- A. HEIGHT PERMITTED:  
CONTROLS AND OPERATING MECHANISMS SHALL BE LOCATED FOR EITHER A FORWARD OR SIDE APPROACH FROM ANY DIRECTION OF TRAVEL. THEY SHALL BE LOCATED 28" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR. THEY SHALL BE OPERABLE WITH ONE HAND. THERE SHALL BE AT LEAST ONE HANDRAIL COMPLYING WITH 4.8. WHEEL STOPS AND GUARDRAILS SHALL BE PROVIDED WHERE NECESSARY.

## 4.13 - DOORS

### SECTION 4.13.4 - DOUBLE LEAF DOORWAYS

- A. DOORWAYS WITH TWO INDEPENDENTLY OPERATED LEAVES SHALL HAVE AT LEAST ONE LEAF THAT MEETS THE REQUIREMENTS IN 4.13.5 AND 4.13.6.

### SECTION 4.13.5 - CLEAR WIDTH

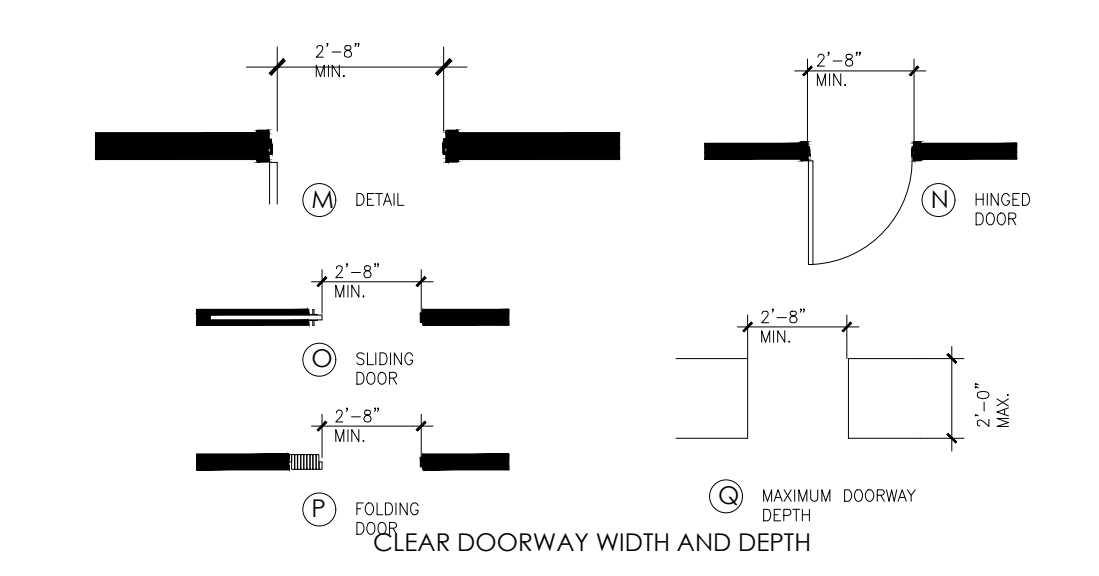
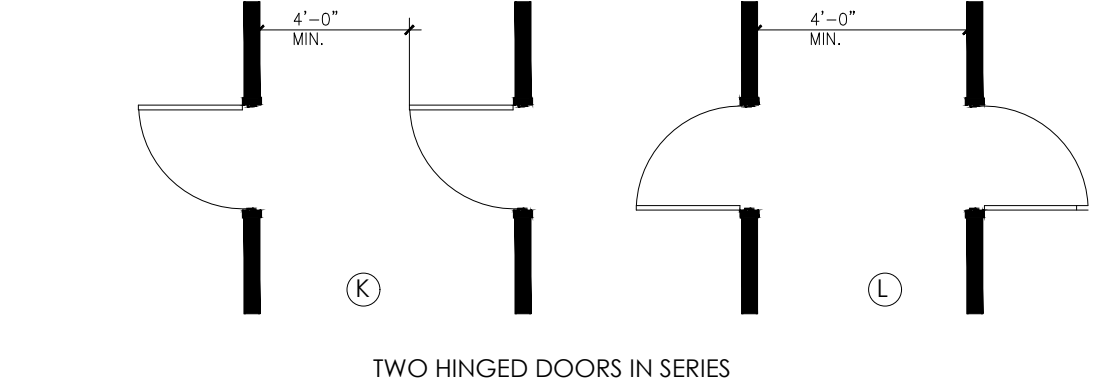
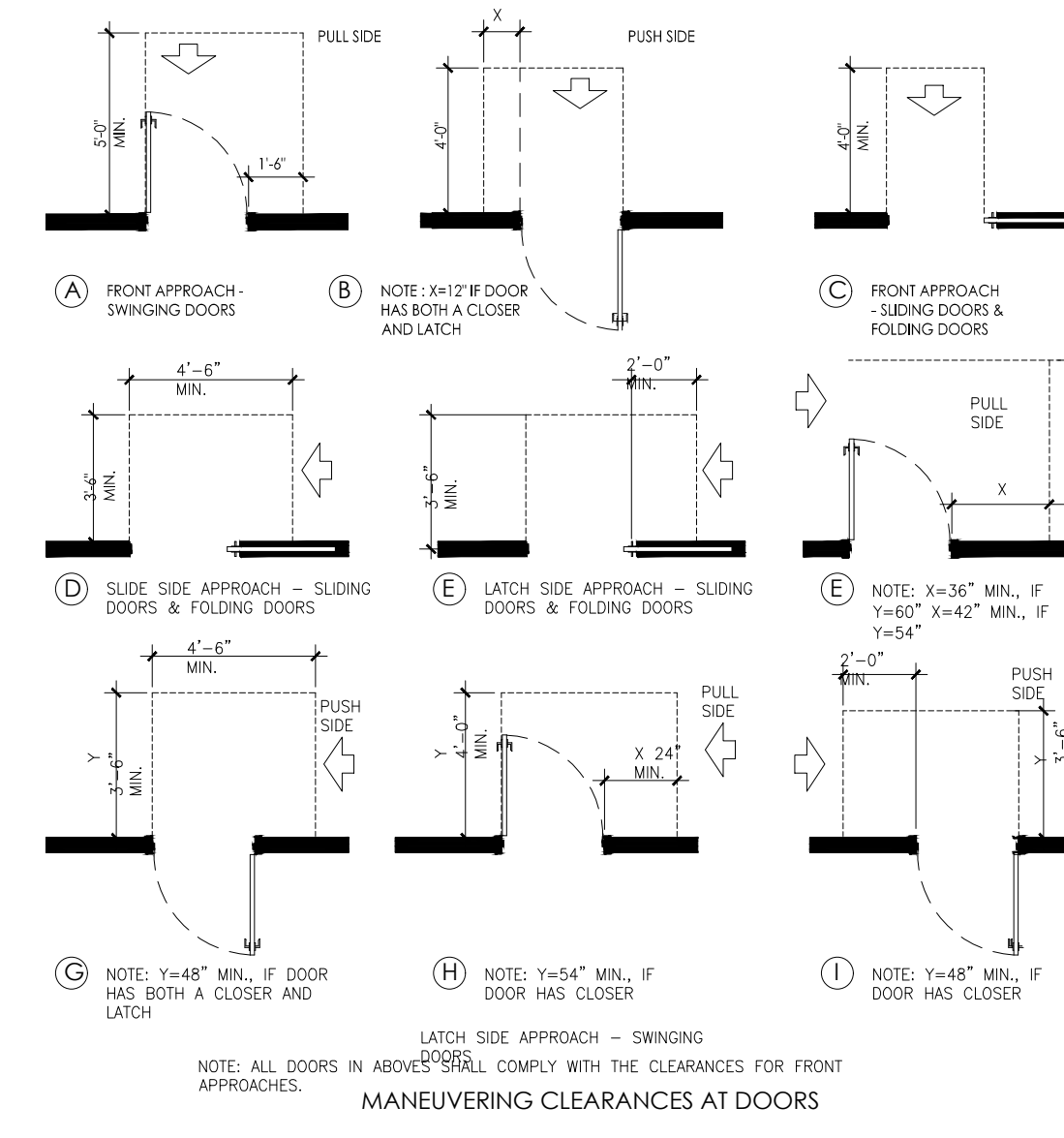
- A. DOORWAYS SHALL PROVIDE A CLEAR OPENING OF 32" MINIMUM, WITH THE DOOR OPEN 90".  
1. CLEAR OPENING SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND STOP.  
2. OPENINGS MORE THAN 24" IN DEPTH SHALL PROVIDE A CLEAR OPENING OF 36" MINIMUM.

EXCEPTION: DOORS NOT REQUIRING FULL USER PASSAGE, SUCH AS SHALLOW CLOSETS, SHALL HAVE A CLEAR OPENING OF 20" MINIMUM.

## 4.13 - DOORS, CONTINUED

### SECTION 4.13.6 - MANEUVERING CLEARANCE AT DOORS

- A. PROVIDE LEVEL AND CLEAR MANEUVERING AREA AT DOORS AS FOLLOWS:  
FRONT APPROACH FULL SIDE  
FRONT APPROACH PUSH SIDE  
HINGE SIDE APPROACH FULL SIDE  
HINGE SIDE APPROACH PUSH SIDE  
LATCH SIDE APPROACH FULL SIDE  
LATCH SIDE APPROACH PUSH SIDE



### SECTION 4.13.8 - THRESHOLD AT DOORWAYS

- A. MAXIMUM THRESHOLD HEIGHT: 1/2" (3/4" AT EXTERIOR SLIDING DOORS) RAISED THRESHOLDS AND DOOR LEVEL CHANGES SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

### SECTION 4.13.9 - DOOR HARDWARE

- A. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.  
1. LEVER - OPERATED MECHANISMS, PUSH - TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.  
2. WHEN SLIDING DOOR ARE FULLY OPEN, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.  
3. HARDWARE REQUIRED FOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISHED FLOOR.

### SECTION 4.13.10 - DOOR CLOSERS

- A. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 TO DEGREE, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.

### SECTION 4.13.11 - DOOR OPENING FORCE

- A. THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:  
1. FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.  
2. OTHER DOORS  
a. EXTERIOR HINGED DOORS: NO REQUIREMENT.  
b. INTERIOR HINGED DOORS: 5.0 LBF.  
c. SLIDING OR FOLDING DOORS: 5.0 LBF.  
3. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISengage OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

## 4.15 - DRINKING FOUNTAINS

### SECTION 4.15.2 - SPOUT HEIGHT (REFERENCE DETAIL 11.1)

- A. SPOUT SHALL BE NO HIGHER THAN 36", MEASURED FROM THE FLOOR OR GROUND SURFACE OF THE UNIT. IT SHALL BE PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT.

### SECTION 4.15.3 - SPOUT LOCATION

- A. THE SPOUT SHALL BE LOCATED AT THE FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT.  
1. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH.  
2. IF THE FOUNTAIN HAS A ROUND OR OVAL BOWL, THE SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3" OF THE FRONT EDGE OF THE FOUNTAIN.

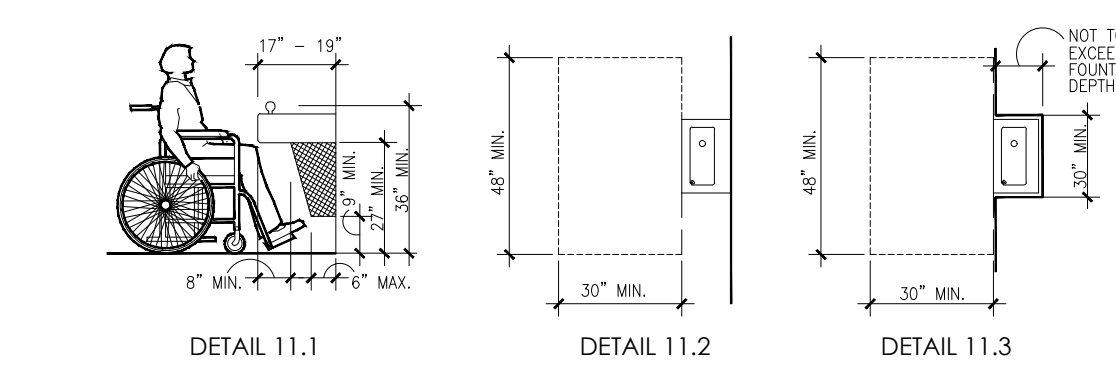
### SECTION 4.15.4 - CONTROLS

- A. UNIT CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE.

### SECTION 4.15.5 - CLEARANCES (REFERENCE DETAIL 11.1)

- A. WALL AND POST MOUNTED CANTILEVER FOUNTAINS SHALL HAVE CLEAR KNEE SPACE AS FOLLOWS:  
1. MINIMUM 27" HIGH (FROM ARROW BOTTOM TO FLOOR) MINIMUM 30" WIDE, AND 17"-19" DEEP.  
2. A MINIMUM 30" BY 48" CLEAR FLOOR SPACE ALLOWING A FORWARD APPROACH TO THE UNIT SHALL BE PROVIDED.  
B. FREE STANDING OR BUILT-IN UNITS NOT HAVING A CLEAR KNEE SPACE SHALL HAVE A MINIMUM 30" BY 48" CLEAR FLOOR SPACE ALLOWING A PARALLEL APPROACH TO THE UNIT.

## 4.15 - DRINKING FOUNTAINS, CONTINUED



## 4.16 - WATER CLOSETS

### SECTION 4.16.2 - CLEAR FLOOR SPACE

- A. CLEAR FLOOR SPACE FOR WATER CLOSETS NOT IN STALLS SHALL BE PROVIDED AS FOLLOWS:  
FRONT APPROACH - 48" MINIMUM WIDE X 66" MINIMUM LONG.  
SIDE APPROACH - 56" MINIMUM TO FRONT OF TOILET X 48" MINIMUM WIDE.  
DUAL APPROACH - 60" MINIMUM WIDE X 56" MINIMUM LONG.

## 4.16 - WATER CLOSETS, CONTINUED

### SECTION 4.16.3 - HEIGHT (REFERENCE DETAIL 12.1.1)

- A. THE HEIGHT TO THE TOP OF THE TOILET SEAT SHALL BE 17"-19" ABOVE FLOOR.  
1. SEATS SHALL NOT BE OPERABLE TO RETURN TO A LIFTED POSITION.

### SECTION 4.16.4, 4.26 - GRAB BARS (REFERENCE DETAIL 12.1.1 AND 12.1.2)

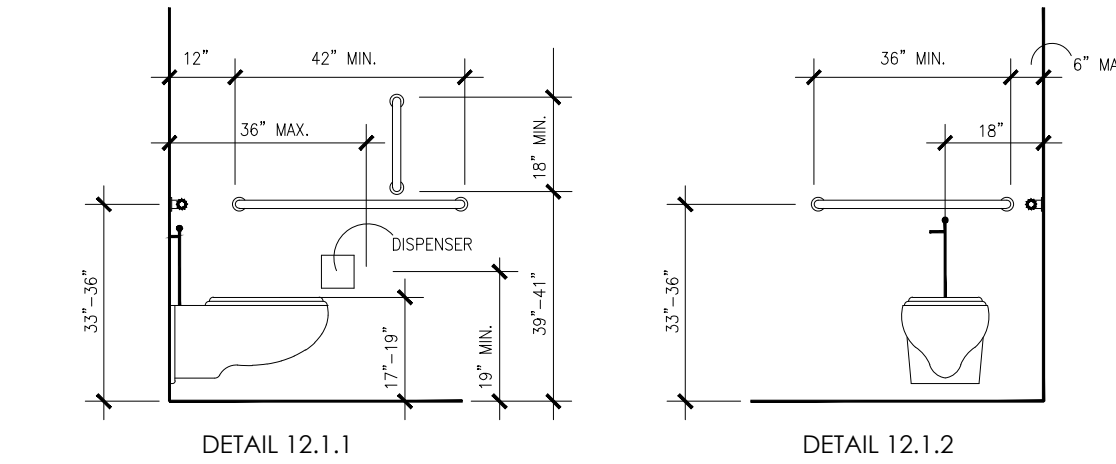
- A. FOR WATER CLOSETS NOT LOCATED IN TOILET STALLS, THE FOLLOWING GRAB BARS SHALL BE PROVIDED, 33"-36" ABOVE THE FINISH FLOOR:  
1. SIDE WALL: 42" LONG MINIMUM, 12" FRONT BACK WALL.  
2. BACK WALL: 36" LONG MINIMUM, 12" MINIMUM EACH SIDE OF WATER CLOSET CENTERLINE. REFER TO 4.26 GRAB BARS FOR SIZE AND STRUCTURAL ELEMENTS.

### SECTION 4.16.5, 4.27.4 - FLUSH CONTROLS (REFERENCE DETAIL 12.1.2)

- A. CONTROLS SHALL BE 44" MAXIMUM ABOVE THE FINISH FLOOR.  
1. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS.  
2. CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.  
3. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.  
4. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.

### SECTION 4.16.6 - DISPENSERS (REFERENCE DETAIL 12.1.1)

- A. TOILET PAPER DISPENSERS SHALL BE INSTALLED ON THE SIDE, WALL A MINIMUM 19" ABOVE THE FLOOR, AND A MAXIMUM 36" FROM THE REAR WALL.  
1. DISPENSERS THAT CONTROLS DELIVERY OR DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.



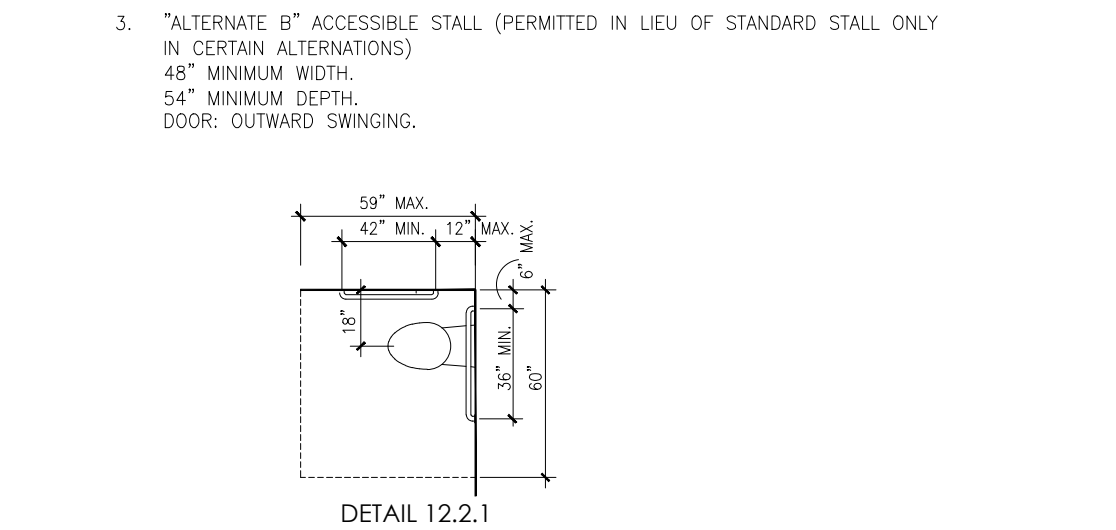
## 4.17 - TOILET STALLS

### SECTION 4.22.4 - WHERE APPLICABLE

- A. IF TOILET STALLS ARE PROVIDED IN A TOILET ROOM OR BATHROOM, THEN AT LEAST ONE SHALL BE A "STANDARD" ACCESSIBLE TOILET STALL (FOR WHEELCHAIR USER) COMPLYING WITH THIS SECTION.  
B. IF 6 OR MORE TOILET STALLS ARE PROVIDED IN A TOILET ROOM OR BATHROOM IN ADDITION TO BE "STANDARD" ACCESSIBLE STALLS, AN ADDITIONAL "ALTERNATE" ACCESSIBLE STALL 36" WIDE (FOR AMBULATORY PERSONS WITH DISABILITIES) COMPLYING WITH THIS SECTION SHALL BE PROVIDED.  
C. ALTERATIONS/EXISTING CONDITIONS: IN ALTERATION WORK, WHERE PROVISION OF A "STANDARD" ACCESSIBLE STALL IS TECHNICALLY INFEASIBLE, OR WHERE PLUMBING CODE REQUIREMENTS PREVENT COMBINING EXISTING STALLS TO PROVIDE SPACE, EITHER "ALTERNATE" STALL (A OR B) COMPLYING WITH THIS SECTION MAY BE PROVIDED IN LIEU OF THE STANDARD STALL.

### SECTION 4.17.3 - SIZE AND ARRANGEMENT (REFERENCE DETAIL)

- A. TOILET STALL MAY BE ARRANGED TO PROVIDE EITHER A LEFT OR A RIGHT HANDED APPROACH. ACCESSIBLE TOILET STALLS SHALL HAVE THE FOLLOWING DIMENSIONS:  
1. "STANDARD" ACCESSIBLE STALL  
60" MINIMUM WIDTH  
59" MINIMUM DEPTH, WITH FLOOR MOUNTED WATER CLOSET.  
56" MINIMUM DEPTH, WITH WALL MOUNTED WATER CLOSET.  
DOOR: OUTWARD SWINGING (IF DOOR SWINGS INTO STALL, DEPTH SHALL BE INCREASED BY 36").  
2. "ALTERNATE A" ACCESSIBLE STALL (REQUIRED WHEN MORE THAN 6 STALLS PROVIDED, PERMITTED IN LIEU OF STANDARD STALL IN CERTAIN ALTERATIONS.)  
36" MINIMUM WIDTH  
36" MINIMUM DEPTH, WITH FLOOR MOUNTED WATER CLOSET.  
68" MINIMUM DEPTH WITH WALL MOUNTED WATER CLOSET.  
DOOR: OUTWARD SWINGING.  
3. "ALTERNATE B" ACCESSIBLE STALL (PERMITTED IN LIEU OF STANDARD STALL ONLY IN CERTAIN ALTERATIONS)  
48" MINIMUM WIDTH  
54" MINIMUM DEPTH  
DOOR: OUTWARD SWINGING.



### SECTION 4.17.4 - TOE CLEARANCES

- A. IN "STANDARD" ACCESSIBLE STALLS, THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF AT LEAST 9" ABOVE THE FLOOR.  
B. IF THE DEPTH OF THE STALL IS GREATER THAN 60", THE TOE CLEARANCE IS NOT REQUIRED.

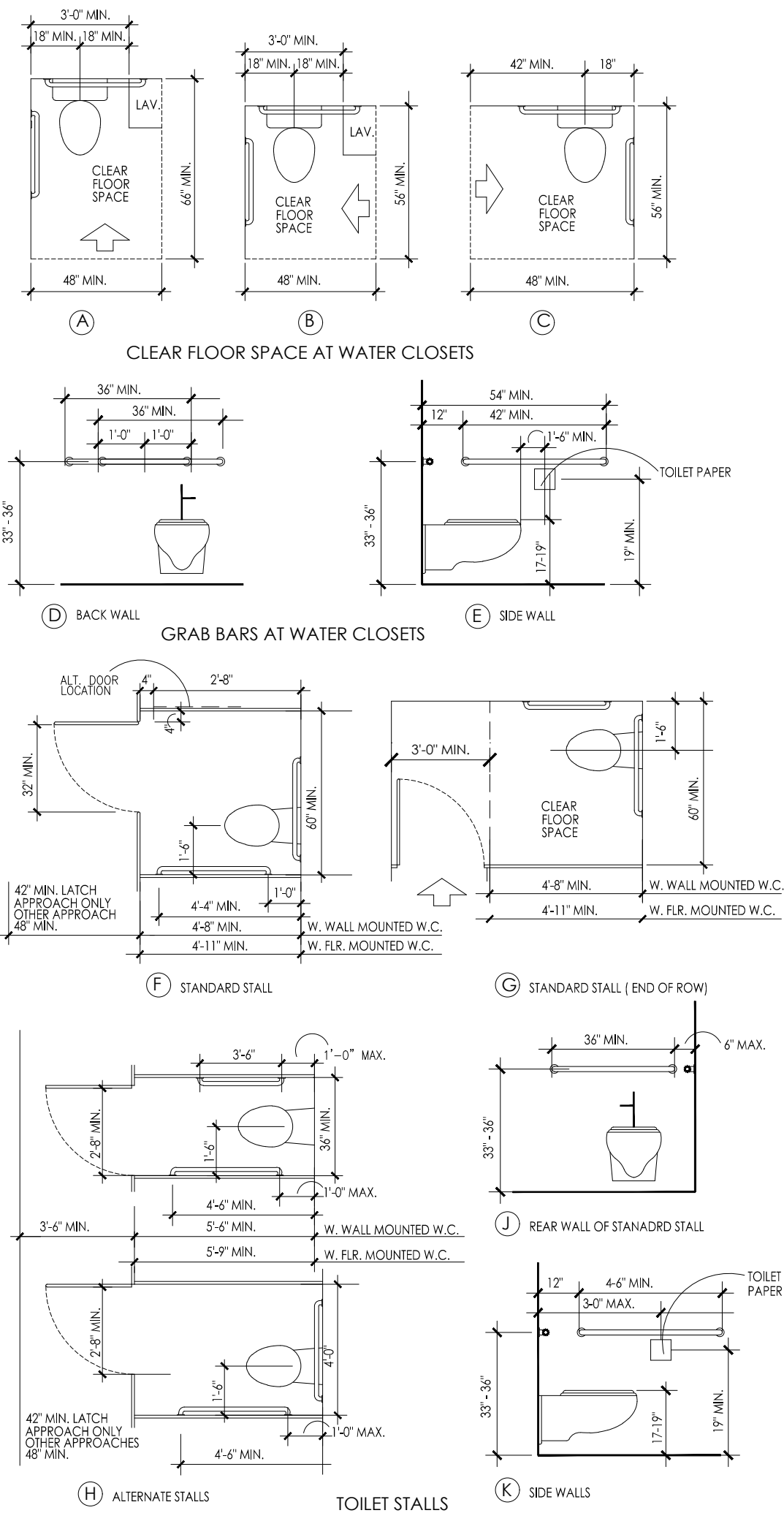
### SECTION 4.17.5 - DOORS

- A. TOILET STALL DOORS, INCLUDING HARDWARE, SHALL COMPLY WITH ELEMENT 10: DOORS  
B. IF TOILET STALL APPROACH IS FROM THE LATCH SIDE OF THE STALL DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE STALL AND ANY OBSTRUCTION SHALL BE 42" MINIMUM. (THIS IS AN EXCEPTION FROM TYPICAL DOOR MANEUVERING CLEARANCES.)

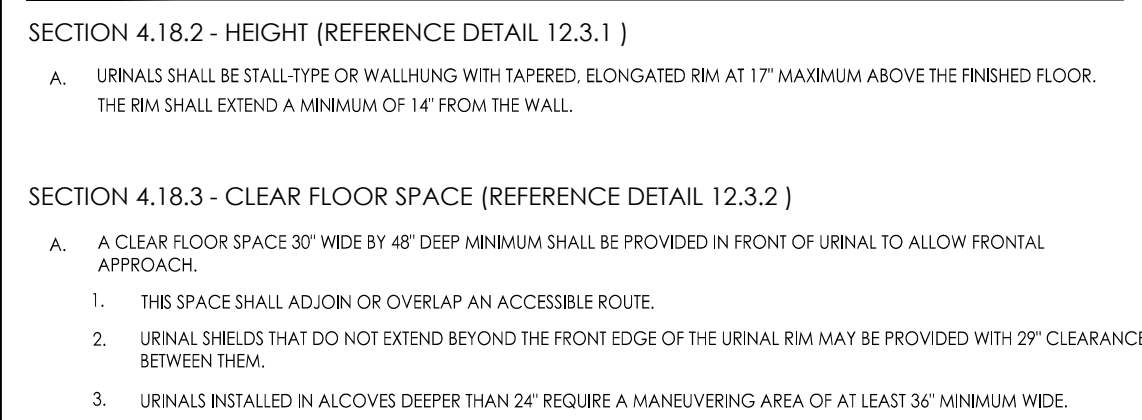
### SECTION 4.17.6 - GRAB BARS (REFERENCE DETAILS 12.1.1, 12.1.2, AND 12.2.1)

- A. GRAB BARS MOUNTED 33"-36" ABOVE THE FLOOR, SHALL BE PROVIDED AS FOLLOWS:  
1. "STANDARD" ACCESSIBLE STALL: ONE 40" SIDE WALL GRAB BAR (ON NEAR WALL) AND ONE REAR WALL GRAB BAR.  
2. "ALTERNATE A" ACCESSIBLE STALL: 42" SIDE WALL GRAB BAR EACH SIDE.  
3. "ALTERNATE B" ACCESSIBLE STALL: ONE 42" SIDE WALL GRAB BAR (ON NEAR WALL), ONE REAR WALL GRAB BAR.

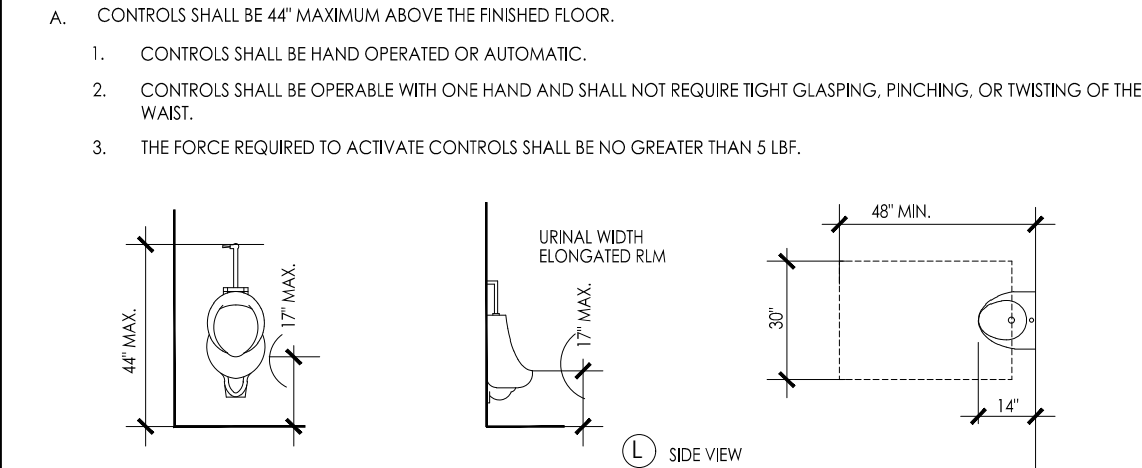
#### 4.17 - TOILET STALLS, CONTINUED



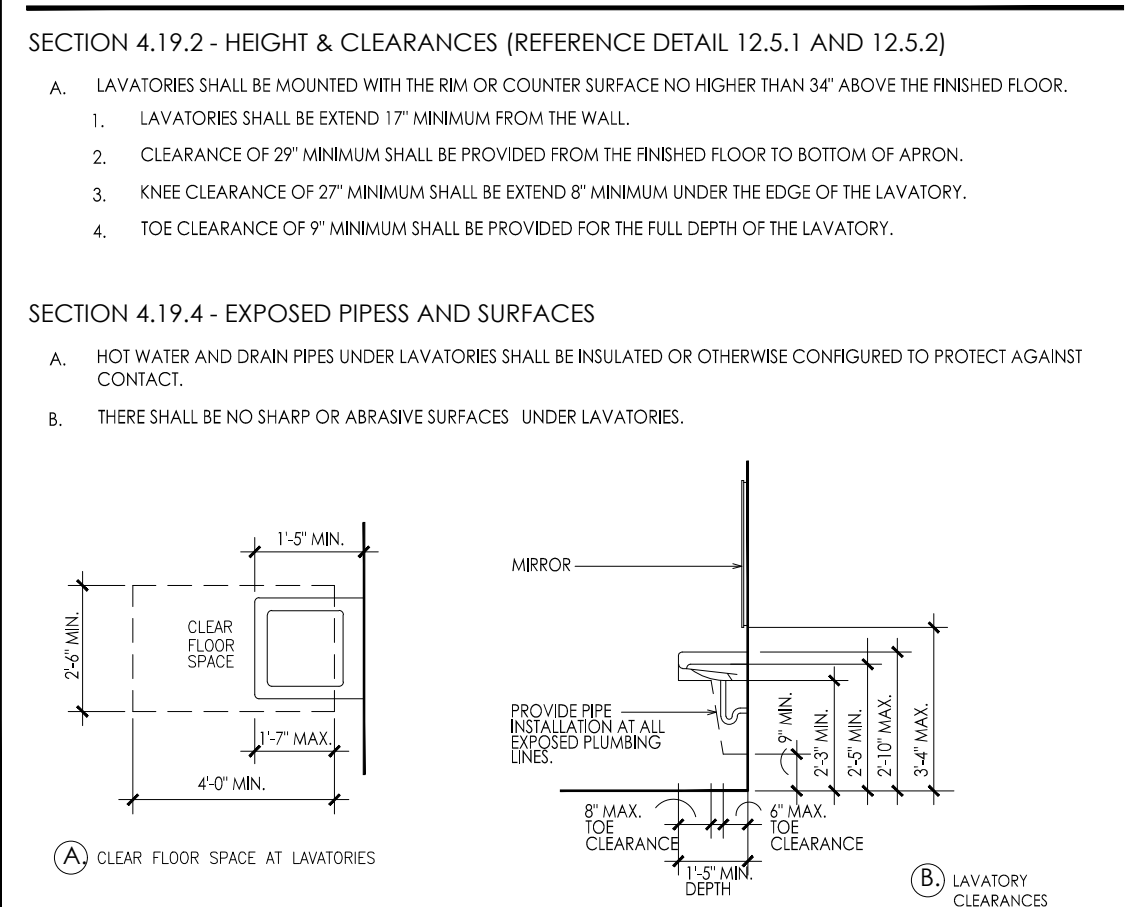
#### 4.18 - URINALS



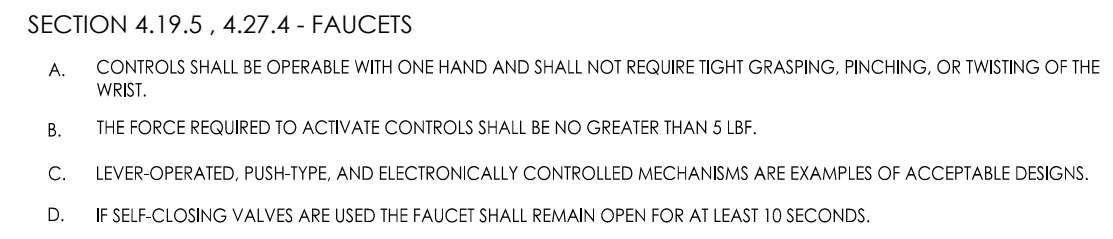
#### 4.19 - LAVATORIES & MIRRORS



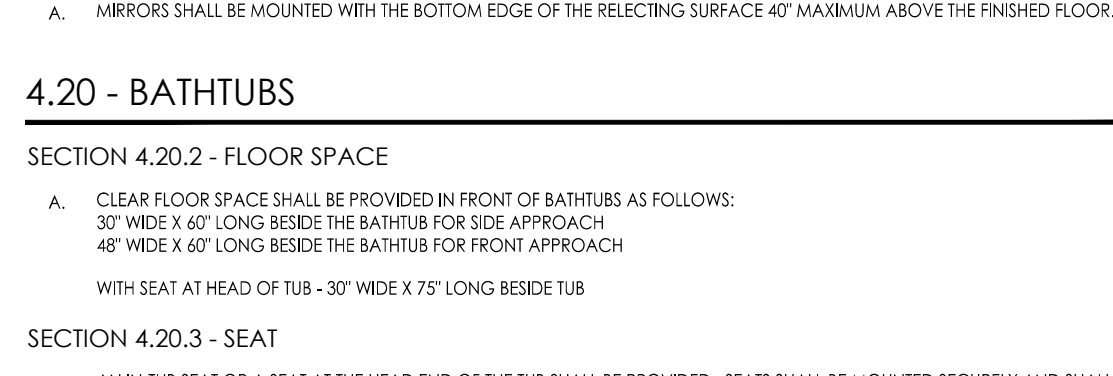
#### 4.20 - BATHTUBS



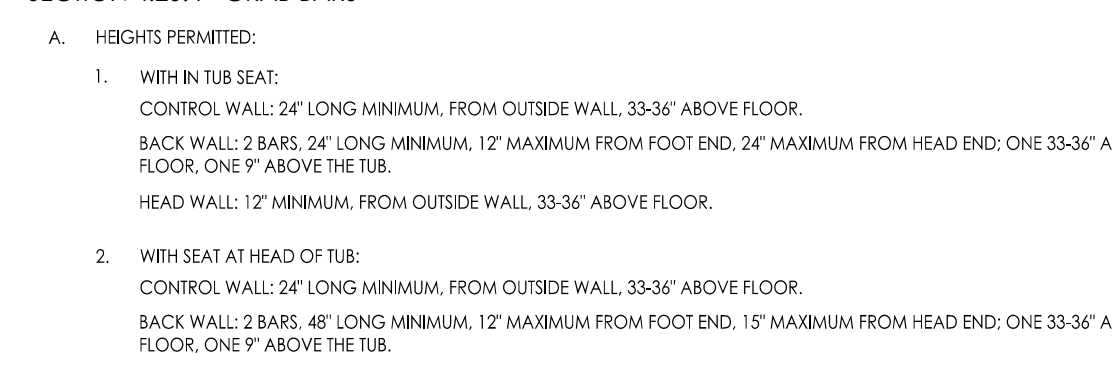
#### 4.21 - LAVATORIES & MIRRORS, CONTINUED



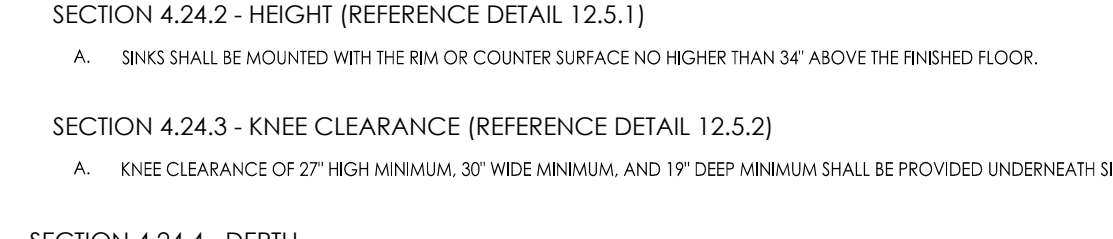
#### 4.22 - TOILET ROOMS



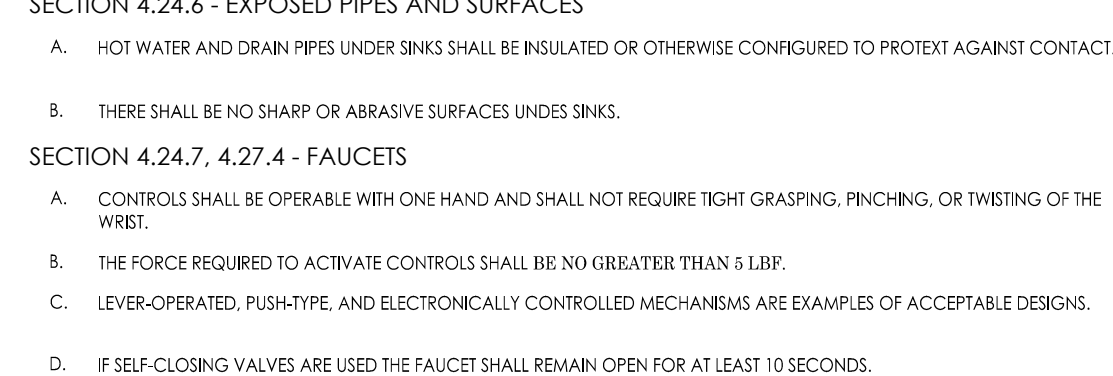
#### 4.23 - BATHROOMS, BATHING FACILITIES, AND SHOWER ROOMS



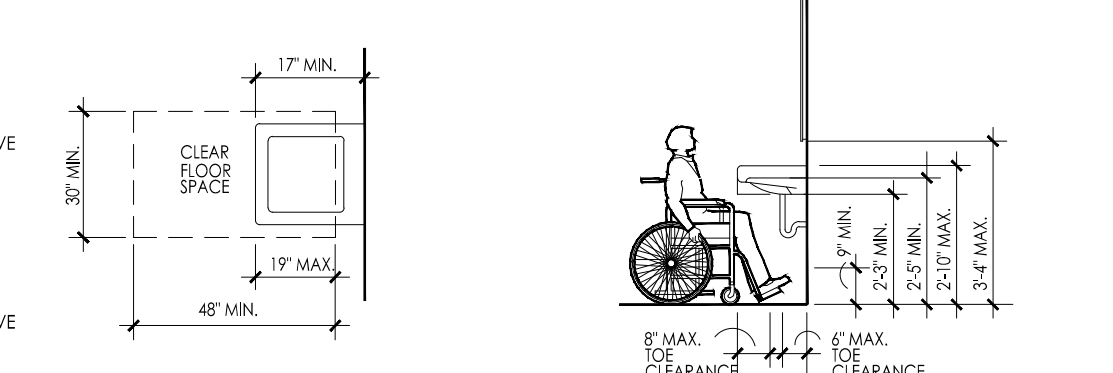
#### 4.24 - SINKS



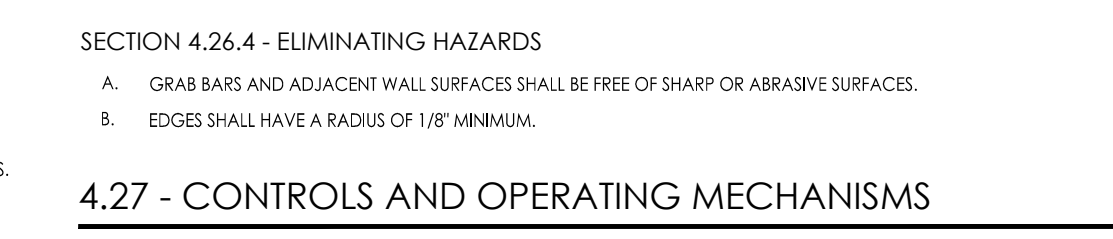
#### 4.25 - STORAGE



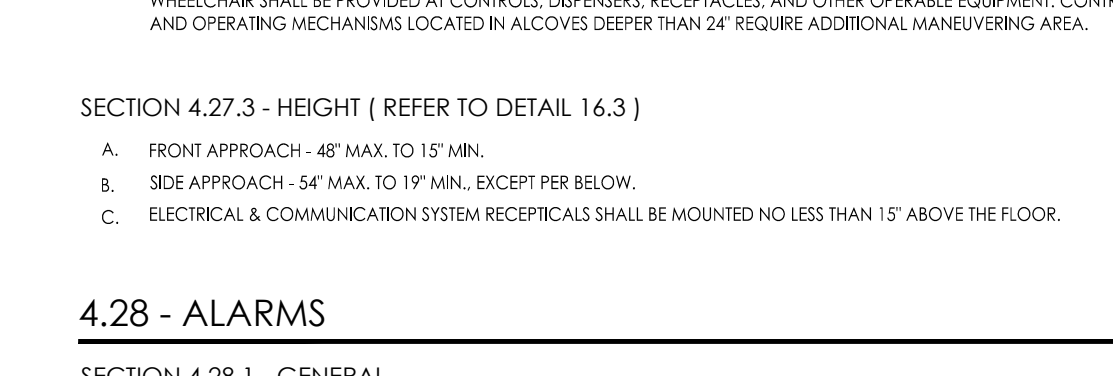
#### 4.26 - GRAB BARS



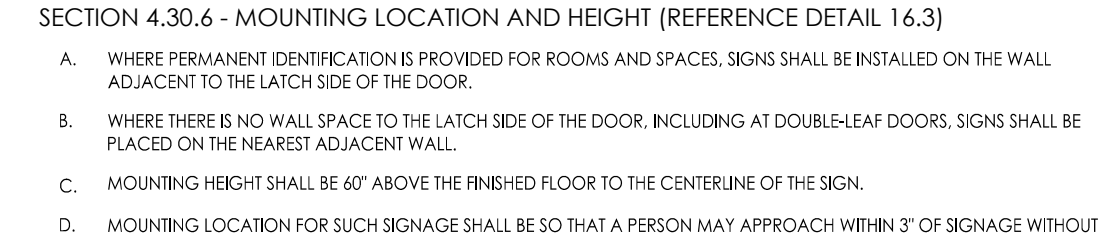
#### 4.27 - CONTROLS AND OPERATING MECHANISMS



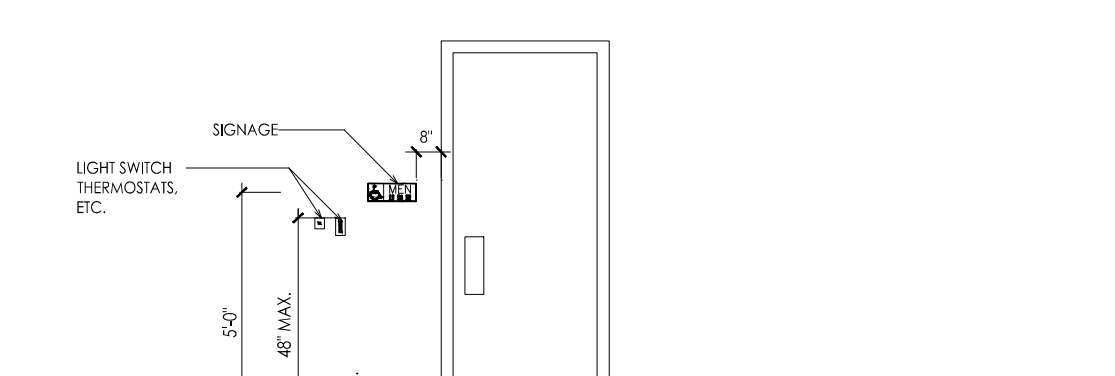
#### 4.28 - ALARMS



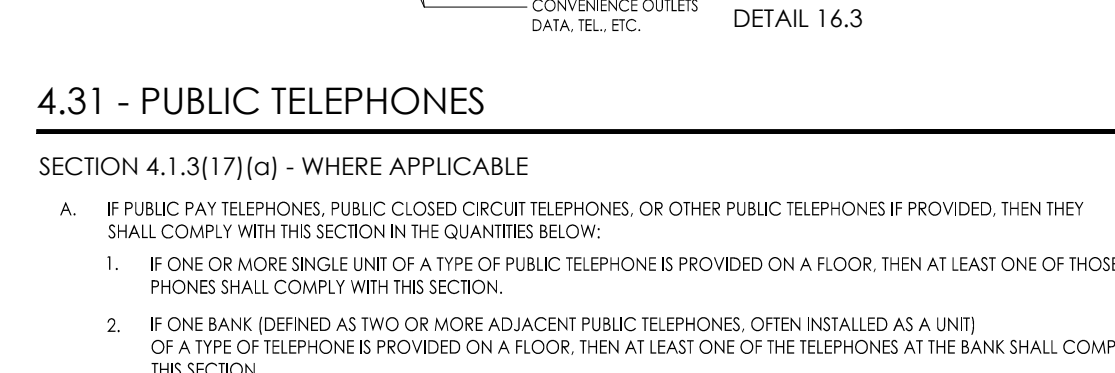
#### 4.30 - SIGNAGE, CONTINUED



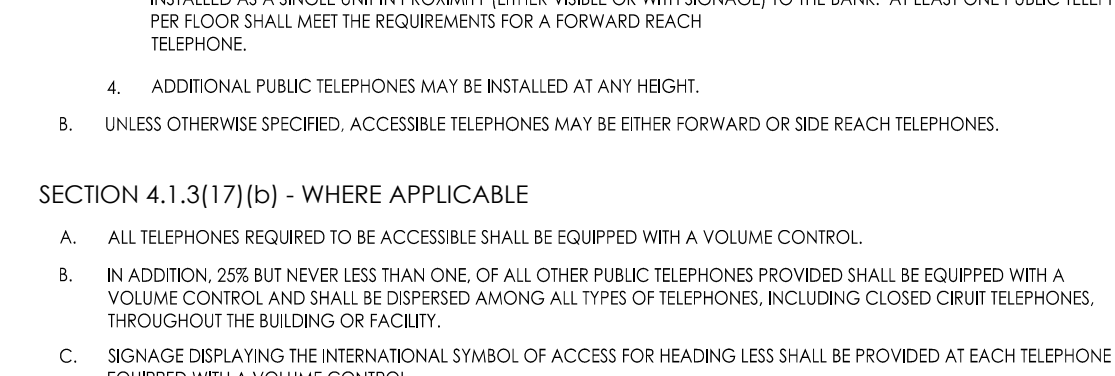
#### 4.31 - PUBLIC TELEPHONES



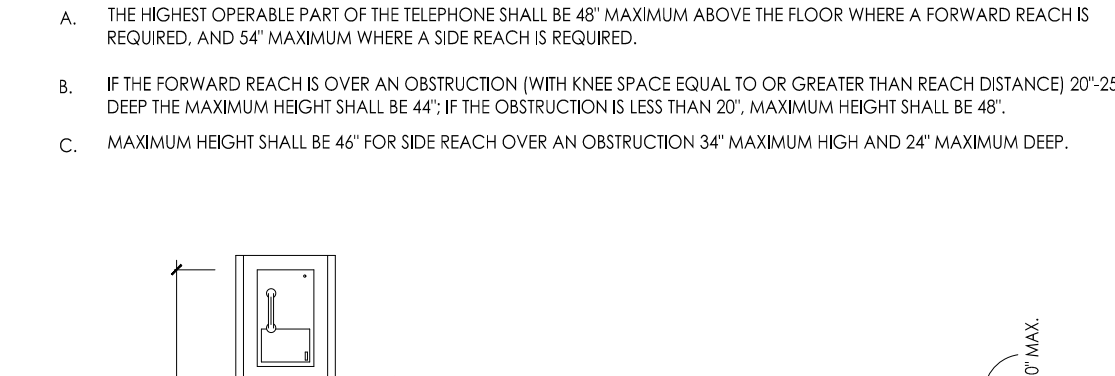
#### 4.32 - SEATING AND TABLES



#### 4.33 - AUTOMATIC TELLER MACHINES



#### 4.35 - DRESSING AND FITTING ROOMS



**James M. Huckestein**  
REGISTERED ARCHITECT  
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A New Building For:

# MainStreet

FAMILY URGENT CARE

Cameron, NC 28326

RELEASES / DESCRIPTION / DATES

DATE	DESCRIPTION	DATES
08.01.2023	NOT FOR CONSTRUCTION	
	RELEASED FOR CONSTRUCTION	
	DRAWN	MEH
	CHECKED	ENH
	APPROVED	H+HA
	PROJECT NUMBER	23001.06
	SHEET TITLE	ADA GUIDELINES
	DRAWING NO.	T1.4

# LIFE SAFETY GENERAL NOTES:

## BUILDING DATA:

OCCUPANCY: ■ BUSINESS (GROUP B)  
 MIXED OCCUPANCY?: YES/NO - SEPARATION NO HR.  
 CONSTRUCTION TYPE: ■ VB  
 MIXED CONSTRUCTION NO  
 SPRINKLED? YES/NO (13, 13R, 13D) NO  
 FIRE DISTRICT? YES/NO NO  
 BUILDING HEIGHT: 18'-0" NUMBER OF STORIES ONE  
 MEZZANINE: YES/NO NO  
 HIGH RISE? YES/NO NO  
 TOTAL GROSS BUILDING AREA: 2,866 SQ. FT.  
 1ST FLOOR 2,866 SQ. FT.  
 AREA INCREASE? YES/NO NO

## EXIT REQUIREMENTS:

MAXIMUM DEAD-END CORRIDOR: 20 FEET  
 MAXIMUM TRAVEL DISTANCE TO EXIT: 200 FEET  
 OCCUPANT LOAD - 1ST FLOOR 29 OCCUPANTS  
 EXIT WIDTH REQ. - 1ST FLOOR: 29 OCCUPANTS x 2 = 6.6  
 EXIT WIDTH PROVIDED - 1ST FLOOR: 2 x 34 = 102' CLEAR

## PLUMBING REQUIREMENTS

OCCUPANT LOAD (50%) 29 OCCUPANTS 50% MALE = 17 50% FEMALE = 12  
 WATERCLOSETS REQUIRED (MEN) (1 PER 25) 17/25 = 1 WATERCLOSETS  
 WATERCLOSETS SUPPLIED (MEN) 2 WATERCLOSETS \*  
 URINALS SUPPLIED (MEN) 0 URINALS \*  
 LAVATORIES REQUIRED (MEN) (1 PER 40) 17/40 = 1 LAVATORIES  
 LAVATORIES PROVIDED (MEN) (1 PER 40) 17/40 = 1 LAVATORIES

WATERCLOSETS REQUIRED (WOMEN) (1 PER 25) 12/25 = 1 WATERCLOSETS  
 WATERCLOSETS SUPPLIED (WOMEN) 2 WATERCLOSETS \*  
 LAVATORIES REQUIRED (WOMEN) (1 PER 40) 12/40 = 1 LAVATORIES  
 LAVATORIES SUPPLIED (WOMEN) (1 PER 40) 12/40 = 1 LAVATORIES

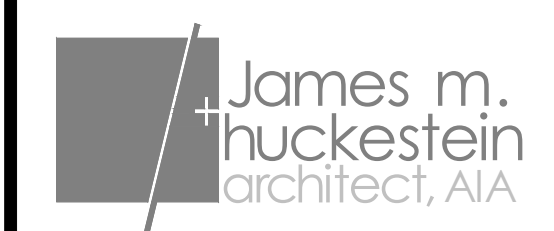
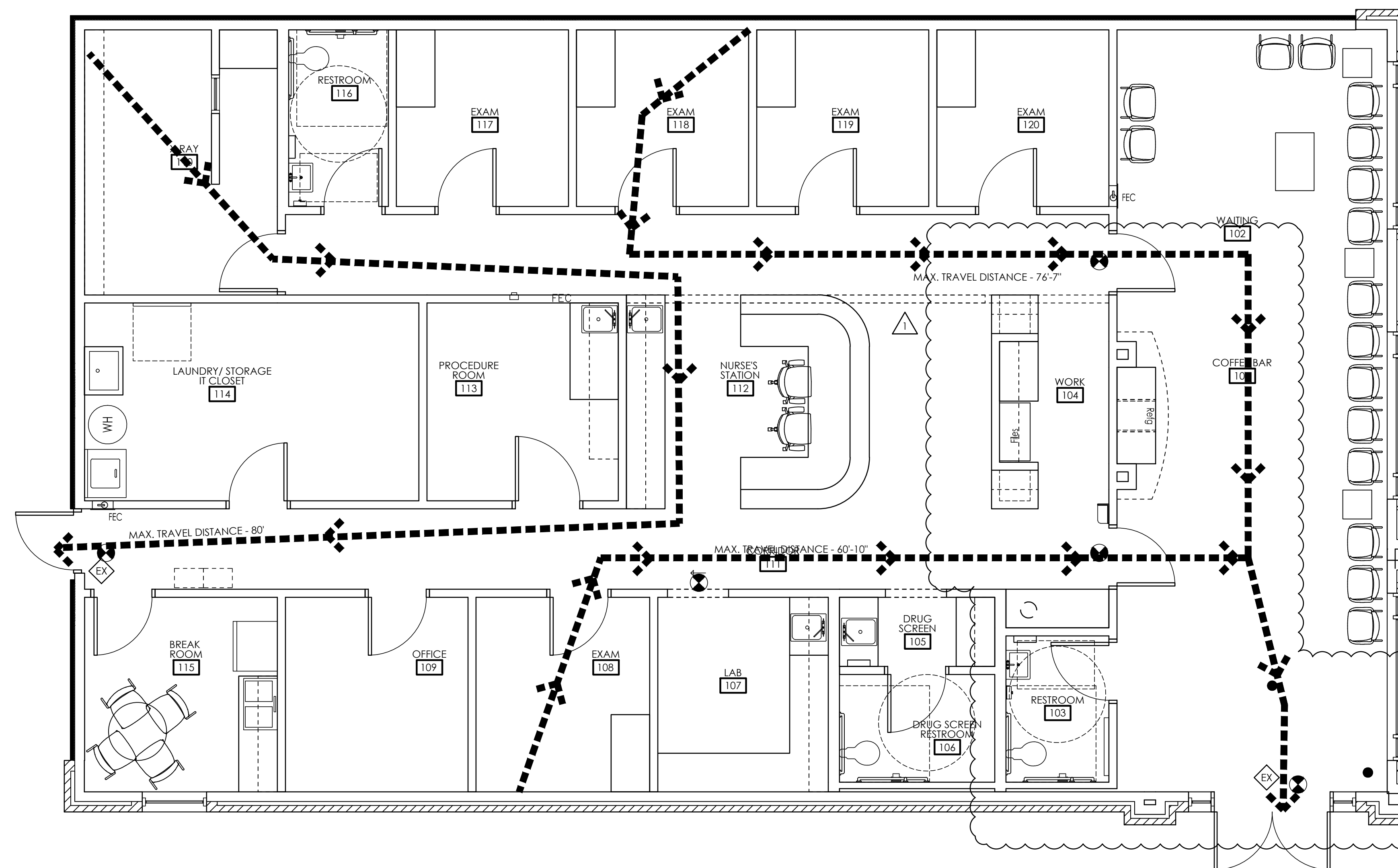
DRINKING FOUNTAINS REQUIRED (1 PER 100) 29/100 = 1 DRINKING FOUNTAINS  
 DRINKING FOUNTAINS SUPPLIED 0 DRINKING FOUNTAINS (per CDC RECOMMENDATIONS)  
 SERVICE SINK REQUIRED 1  
 SERVICE SINK SUPPLIED 1

\* NOTE:  
 DUE TO ACTUAL USE PERCENTAGE OF MALE AND FEMALE OCCUPANTS, FIXTURE COUNTS HAVE BEEN SPLIT EVENLY. THIS GIVES THE MALE COUNT ONE EXTRA FIXTURE, WHILE THE FEMALE HAS ONE LESS THAN REQUIRED.

\* NOTE:  
 ALL EXTERIOR EGRESS DOORS ARE TO BE PROVIDED WITH PANIC HARDWARE AS SPECIFIED.

## LIFE SAFETY LEGEND:

- EGRESS PATHWAYS
- ◇ EX ACCESSIBLE EXITS
- FEC FIRE EXTINGUISHER CABINET
- ⊗ EXIT SIGNAGE



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Cameron, NC 28326

RELEASES / DESCRIPTION / DATES
1 OWNER CHANGES 10.18.23
2 PERMIT COMMENT RESPONSE 10.23.23

NOT FOR CONSTRUCTION □  
 RELEASED FOR CONSTRUCTION ■

DATE	08.01.2023
DRAWN	MEH
CHECKED	ENH
APPROVED	H+HA

PROJECT NUMBER 23001.06

SHEET TITLE  
 LIFE SAFETY PLAN

DRAWING NO. LS1.1

### PARTITION LEGEND:

ALL INTERIOR PARTITIONS ARE TO BE TYPE "10" U. N. O. & EXTEND MIN. 6" ABOVE CEILING EXCEPT RESTROOM PARTITIONS TO EXTEND FULL-HEIGHT TO DECK.

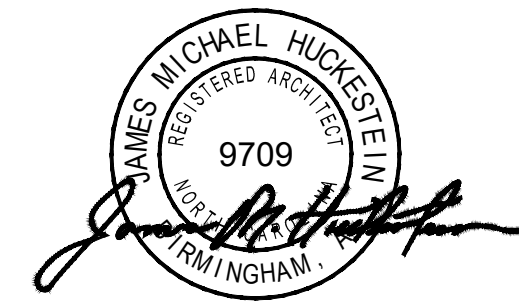
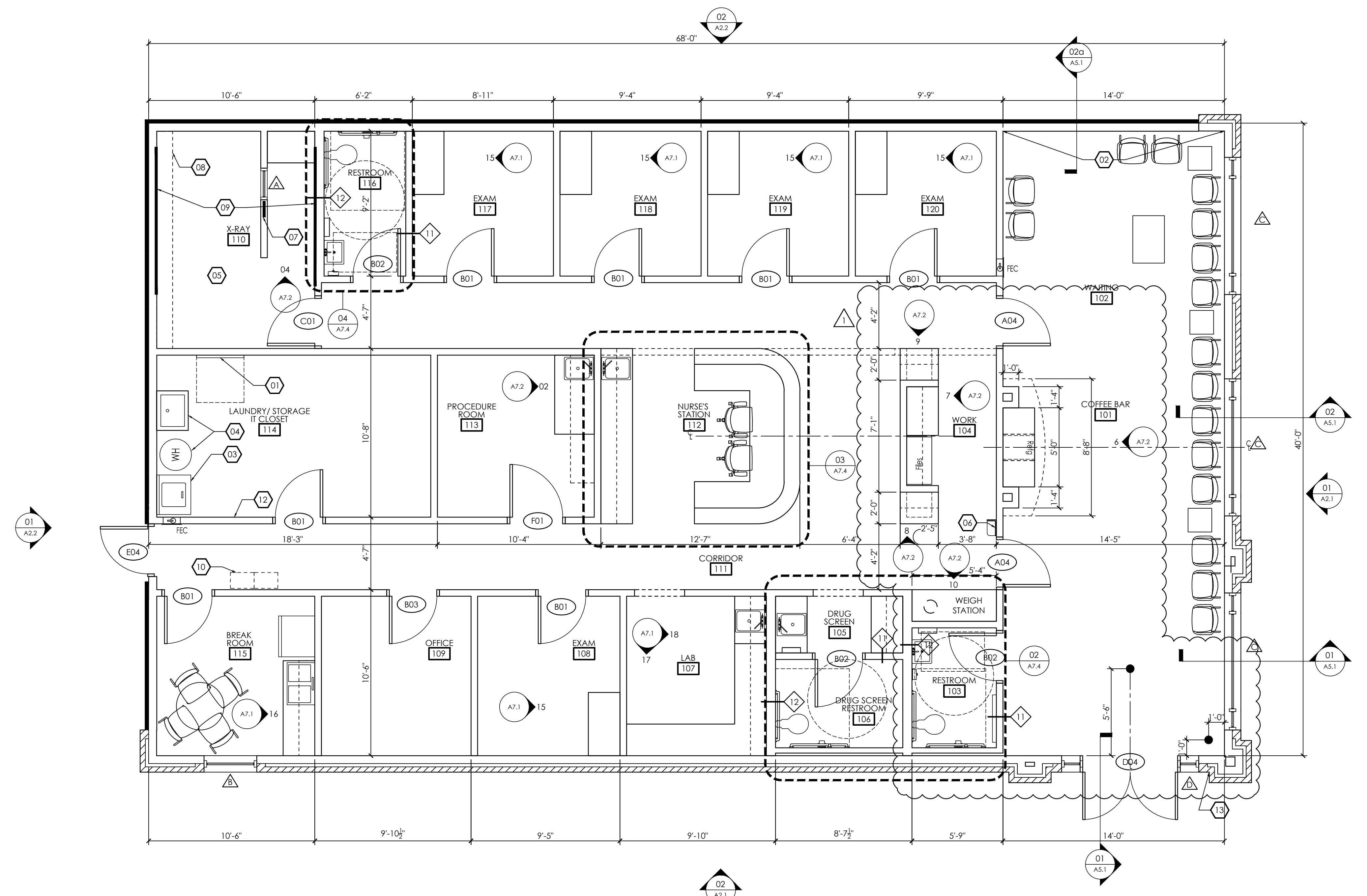
SYM.	CONSTRUCTION	RTG.	DESCRIPTION
10		N/A	5/8" GYP. BD. SCREWED TO BOTH SIDES OF 2x4 WOOD STUDS @ 24" O.C.
11		N/A	5/8" GYP. BD. SCREWED TO BOTH SIDES OF 2x4 WOOD STUDS @ 24" O.C. W/ FULL THICKNESS SOUND ATTENUATION INSULATION
12		N/A	5/8" GYP. BD. SCREWED TO BOTH SIDES OF 2x6 WOOD STUDS @ 24" O.C.

### CONSTRUCTION GENERAL NOTES:

- BUILDING TO BE TYPE VB UNPROTECTED, UNSPRINKLERED CONSTRUCTION; GROUP B - BUSINESS OCCUPANCY.
- REFER TO SHEET A7.4 FOR ENLARGED RESTROOM PLANS, AS APPLICABLE.
- DIMENSIONS SHOWN ARE TO FACE OF STUD OR MASONRY VENEER UNLESS OTHERWISE NOTED.
- REFER TO PLANS, DETAILS AND SECTIONS FOR FURTHER CLARIFICATION OF INTERIOR FINISHES.
- REFER TO REFLECTED CEILING PLANS (RCP) FOR SPECIFIC CEILING TYPE(S) & HEIGHT.
- PROVIDE FIRE EXTINGUISHER & CABINET (SEMI-RECESSED) - MINIMUM ONE(1) PER TENANT. COORDINATE LOCATION W/ CITY FIRE MARSHALL & ARCHITECT TO ENSURE MAX. TRAVEL DISTANCE OF 75'-0".

### CONSTRUCTION KEYNOTES:

- LOCATION OF ELECTRICAL PANEL(S) - RE-ELEC.
- PROVIDE ALLOWANCE FOR ACCENT MATERIAL @ LOBBY WALL.
- GC TO INSTALL OWNER-PROVIDED STACKABLE WASHER AND DRYER. PROVIDE WATER LINE AND VENT TO EXTERIOR.
- GC TO INSTALL WATER HEATER AND DRAIN TO ADJACENT JANITOR SINK. PROVIDE 4'X8' FRP PANEL @ JAN. SINK.
- GC TO VERIFY ALL X-RAY REQUIREMENTS WITH BLUE RIDGE X-RAY COMPANY.
- GC TO PROVIDE POWER AND LAMINATE SHELF FOR IPAD DOCKING STATION - RE: 20/A7.3
- PROVIDE BLOCKING PER X-RAY VENDOR REQUIREMENTS.
- PROVIDE BLOCKING & 2x12 SOFFIT FRAMING PER X-RAY VENDOR REQUIREMENTS.
- PROVIDE BLOCKING PER X-RAY VENDOR REQUIREMENTS.
- LOCKERS PROVIDED BY OWNER - CONTRACTOR TO ANCHOR TO WALL.
- LOCATION OF BACKLIT SIGNAGE - COORD CONSTRUCTION AND ANY ELEC. REQUIREMENTS WITH SIGN VENDOR.
- PROVIDE 4'X8' FIRE-RATED PLYWOOD (PAINTED) FOR TBB.
- PROVIDE KNOX BOX FOR BUILDING EMERGENCY ACCESS - COORD. FINAL PLACEMENT W/ FIRE DEPT.



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Cameron, NC 28326

RELEASES / DESCRIPTION / DATES	
OWNER CHANGES	10.18.23

NOT FOR CONSTRUCTION	<input type="checkbox"/>
RELEASED FOR CONSTRUCTION	<input checked="" type="checkbox"/>
DATE	08.01.2023
DRAWN	MEH
CHECKED	ENH
APPROVED	H+HA
PROJECT NUMBER	23001.06

SHEET TITLE  
CONSTRUCTION FLOOR PLAN

DRAWING NO.  
**A1.1**

# INTERIOR FINISHES LEGEND

CEILING			
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG 2'X2' "FINE FISURED" #1732 SQUARE EDGE TILE WITH WHITE 15/16" GRID	
CARPET			
CPT-1	CARPET TILE	J&J FLOORING, KINETEX, SERIES: CATALYST, COLOR: CHEMISTRY	INSTALLATION METHOD: MONOLITHIC
PAINT			
P-1	TYPICAL WALL PAINT	BENJAMIN MOORE; AC-2 "BERKSHIRE BEIGE"; EGG SHELL FINISH	
P-2	ACCENT PAINT	BENJAMIN MOORE; 797 "ATHENS BLUE"; EGG SHELL FINISH	
P-3	ACCENT PAINT	SHERWIN WILLIAMS; SW6422 "SHAGREEN"; EGG SHELL FINISH	
P-4	ACCENT PAINT	BENJAMIN MOORE; HC-173 "EDGE COMB GRAY"; EGG SHELL FINISH	
P-5	TRIM PAINT	BENJAMIN MOORE; HC-173 "EDGE COMB GRAY"; SEMI-GLOSS FINISH	
P-6	CEILING PAINT	FLAT FINISH-CEILING PAINT	
BASE			
RB-1	RUBBER BASE	4" RUBBER BASE; JOHNSONITE; COLOR: DARK BROWN 44; COVE PROFILE	
VCT			
LVT-1	LUXURY VINYL TILE	ARMSTRONG PARALLEL .J5245; SAVANNAH WALNUT ENDEARING	
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG; COLOR: 51810 "WASHED LINEN"; SIZE: 12'X12"	
VCT-2	VINYL COMPOSITION TILE	ARMSTRONG; COLOR: 57517 "BODACIOUS BLUE"; SIZE: 12'X12"	
VCT-3	VINYL COMPOSITION TILE	ARMSTRONG; COLOR: 51866 "LITTLE GREEN APPLE"; SIZE: 12'X12"	
PLASTIC LAMINATE			
PL-1	PLASTIC LAMINATE	WILSONART VGP .028 ALMOND LEATHER 2932-60	
PL-2	PLASTIC LAMINATE	WILSONART VGP .028 FROSTY WHITE 1573-60	
PL-3	PLASTIC LAMINATE	WILSONART VGP .028 SHAKER CHERRY 7935K-07	

## INTERIOR FINISH NOTES

- ALL FINISHES SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' INSTRUCTIONS.
- ALL TRANSITION STRIPS SHALL HAVE AN A.D.A. PROFILE AND SHALL BE SUBMITTED TO H+HA FOR APPROVAL.
- SUB- CONTRACTOR MUST SUBMIT PAINT SAMPLES TO ENH FOR APPROVAL.
- FIELD COORDINATE WITH H+HA TO OBTAIN APPROVAL FOR ALL CARPET, TILE, AND VCT FLOORING PATTERNS PRIOR TO INSTALLATION.
- VINYL TRANSITION STRIPS SHALL BE USED AS NEEDED. VINYL TRANSITION STRIP IS TO MATCH RUBBER BASE.
- SCHLUTER TRANSITIONS REQ'D. IN ALL AREAS WHERE CARPET MEETS TILE.
- ALL WALLS TO RECEIVE ONE(1) COAT PRIMER AND TWO(2) COATS EGG SHELL FINISH LATEX PAINT. PAINTED WOOD GRAIN TO BE COMPLETELY SMOOTH AND NOT SHOW ANY TRACES OF WOOD GRAIN AND WOOD PATTERN. PAINT SHALL NOT SHOW ANY SIGNS OF BRUSH STROKES AND BE COMPLETELY EVEN.
- CARPET SHALL NOT RECEIVE ANY TRAFFIC FOR 24 HOURS AFTER INSTALLATION. PROVIDE 7% ATTIC STOCK ON ALL CARPETING. ALL VINYL FLOORING TO BE INSTALLED, CLEANED, STRIPPED AND WAXED PER MANUFACTURER'S RECOMMENDATIONS. FLOORING SHALL NOT RECEIVE ANY TRAFFIC FOR 24 HOURS AFTER INSTALLATION AND NO HEAVY WEIGHT FOR 48 HOURS.
- ALL WALLS TO BE FINISHED TO LEVEL 4 FINISH.
- GC TO PROVIDE SEAMING DIAGRAMS TO H+HA FOR APPROVAL AT ALL LOCATIONS THAT ARE TO RECEIVE WALLCOVERING OR PLASTIC LAMINATE FINISH.
- PROVIDE 3MM EDGE BANDING FOR ALL COUNTERTOPS.

# FINISH SCHEDULE

RM NO	ROOM NAME	FLOOR FINISH	WALL FINISH	BASE	CEILING MATL	COUNTER	CABINET	NOTES
<b>FIRST FLOOR</b>								
101	COFFEE BAR	LVT-1	P-1, P-2	RB-1	ACT-1/GYP (P-2)	PL-1	PL-3	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
102	WAITING	LVT-1/CPT-1	P-1/P-3	RB-1	ACT-1			SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
103	RESTROOM	LVT-1	P-1	RB-1	ACT-1			
104	WORK	VCT-1	P-1	RB-1	ACT-1/GYP (P-#)	PL-1	PL-2	
105	DRUG SCREEN	VCT-1	P-1	RB-1	ACT-1	PL-1	PL-2	
106	DRUG SCREEN RR	VCT-1	P-1	RB-1	GYP (P-#)			
107	LAB	VCT-1	P-1	RB-1	ACT-1	PL-1	PL-2	
108	EXAM	VCT-1/2	P-1/P-2	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
109	EXAM	VCT-1/3	P-1/P-3	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
110	X-RAY	VCT-1	P-1	RB-1	ACT-1	PL-1	PL-2	
111	CORRIDOR	VCT-1/2/3	P-1	RB-1	ACT-1			SEE A1.2 FOR VCT PATTERN
112	NURSE'S STATION	VCT-1	P-1	RB-1	ACT-1	PL-1	PL-2	
113	PROCEDURE	VCT-1/3	P-1/P-3	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
114	STORAGE/LAUN./IT	VCT-1	P-1	RB-1	ACT-1			
115	BREAK ROOM	VCT-1	P-1	RB-1	ACT-1	PL-1	PL-2	
116	RESTROOM	VCT-1	P-1	RB-1	ACT-1			
117	EXAM	VCT-1/3	P-1/P-3	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
118	EXAM	VCT-1/2	P-1/P-2	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
119	EXAM	VCT-1/3	P-1/P-3	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
120	EXAM	VCT-1/2	P-1/P-2	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION

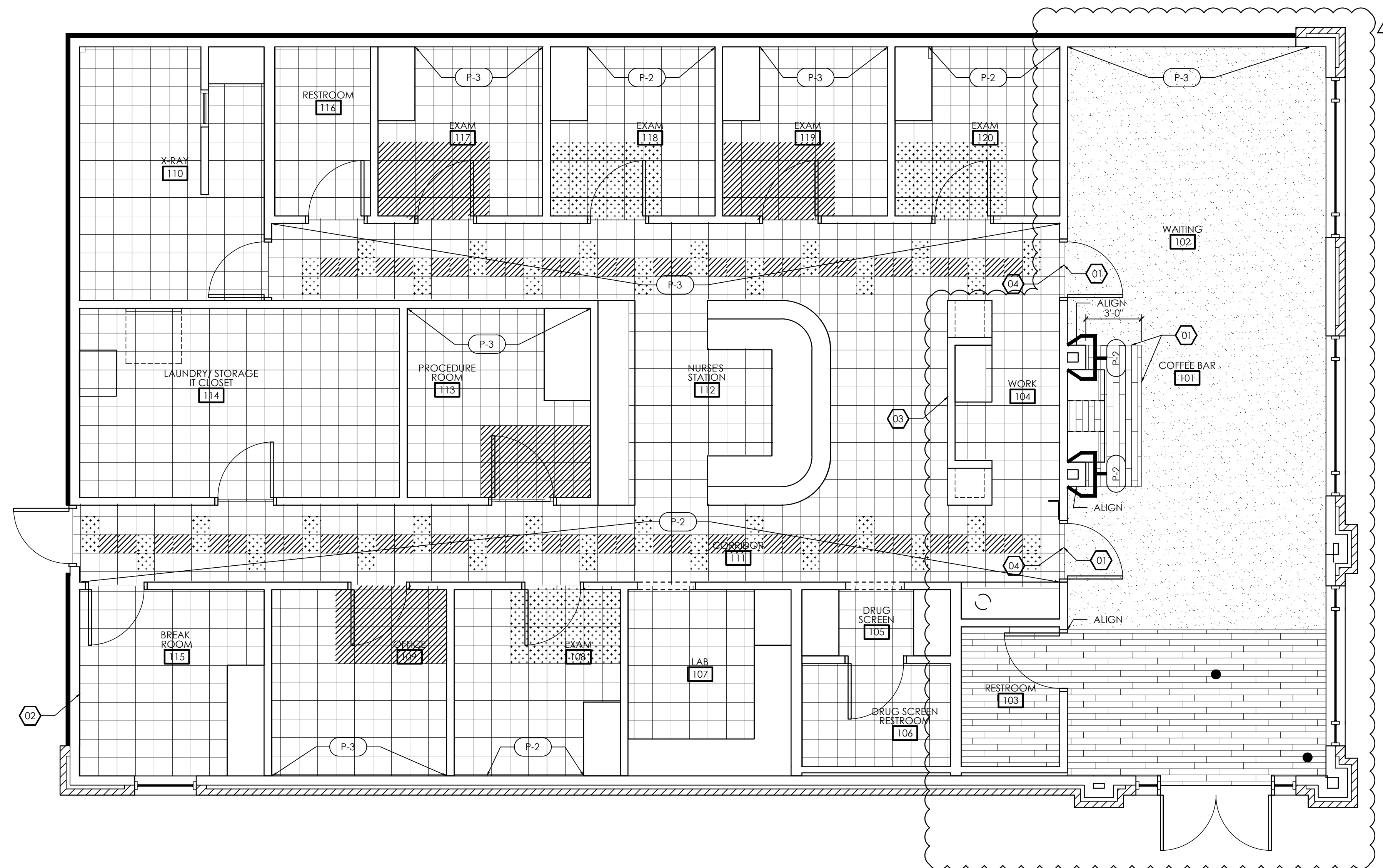
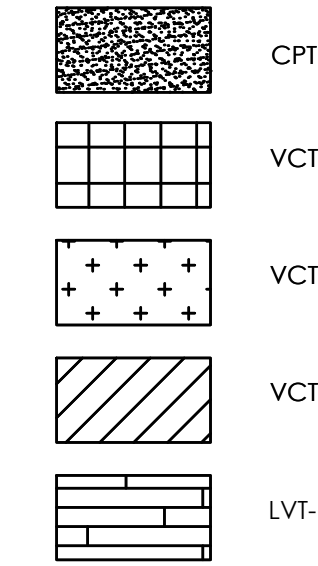
## FINISH NOTES:

- FLOOR TILES (CARPET AND VCT) ARE TO BE INSTALLED AS INDICATED ON PLAN WITH FULL TILES WHEREVER POSSIBLE. SEE FINISH SCHEDULE FOR SPECIFICATIONS.
- SEE FINISH SCHEDULE ON SHEET A1.2. FOR SPECS OF ALL FINISHES.
- TILE TRANSITIONS BETWEEN ROOMS TO BE CENTERED UNDER CLOSED DOOR.
- COORD. MILLWORK AND PLUMBING FIXTURE W/ FLOORING SCOPE AS REQ'D PRIOR TO INSTALLATION.
- PROVIDE ALL FLOORING LAYOUTS FOR H+HA'S REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- PREP FLOOR APPROPRIATELY (RE: PRODUCT MANUFACTURERS STANDARDS) PRIOR TO FLOOR COVERING INSTALLATION.

## FINISH KEY NOTES:

- 01 PROVIDE ADA COMPLIANT TRANSITION STRIP AT FLOORING TRANSITION. COLOR TO MATCH JOHNSONITE RUBBER BASE. COLOR #44 "DARK BROWN"
- 02 CONTRACTOR PROVIDED "POEM" LETTERING/SIGNAGE.
- 03 CONTRACTOR PROVIDED "FAMILY, LOVE CARING RESPECT" LETTERING/SIGNAGE.
- 04 CONTRACTOR PROVIDED "THANK YOU" LETTERING/SIGNAGE.

## FINISH LEGEND:



FINISH FLOOR PLAN  
SCALE: 1/4" = 1'-0"



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DRAWN MEH

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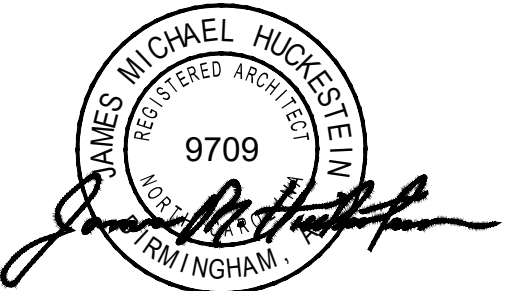
APPROVED H+HA

PROJECT NUMBER 23001.06

SHEET TITLE  
FINISH FLOOR PLAN

DRAWING NO.

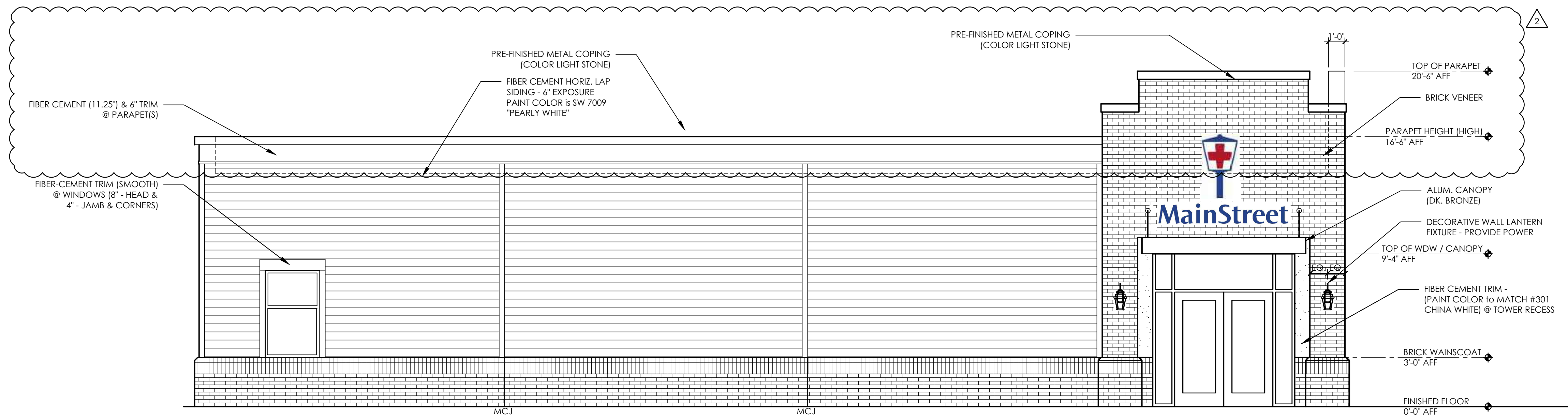
A1.2



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architect, AIA

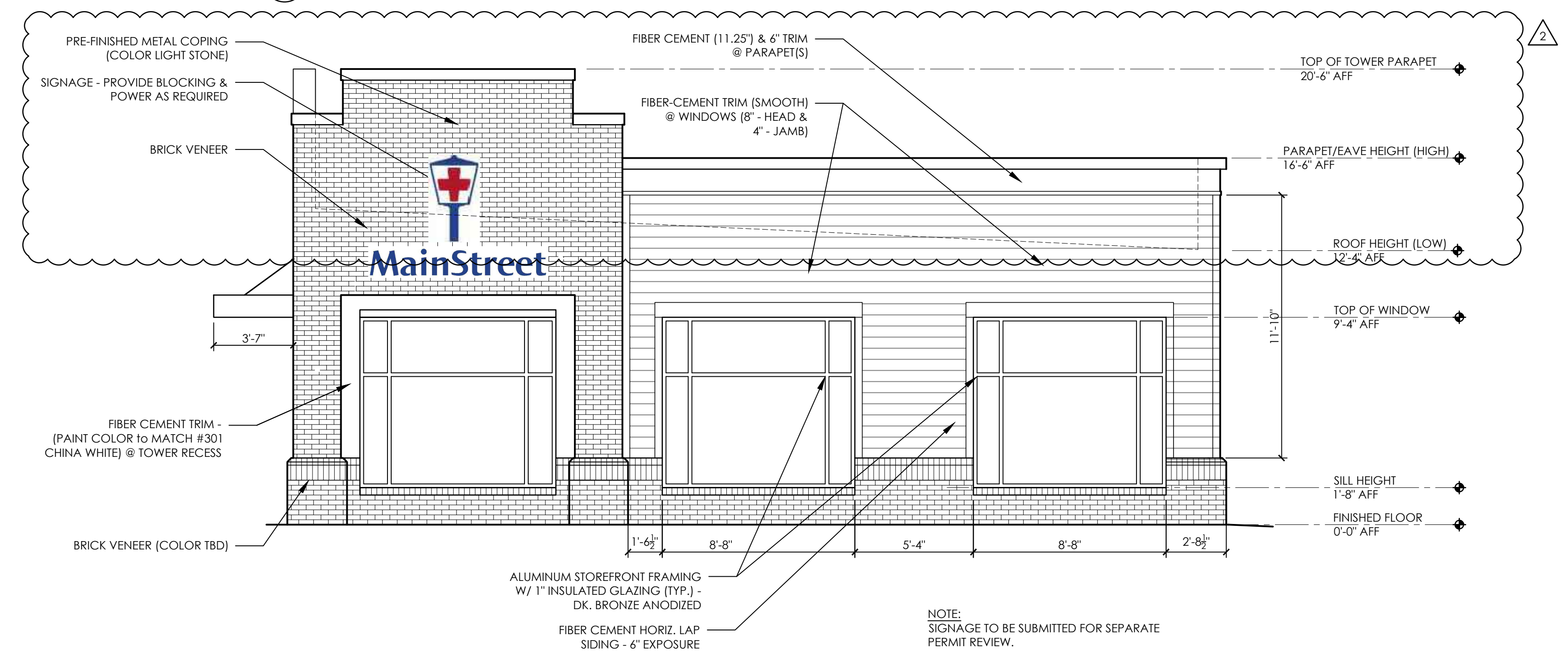
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NOTE:  
SIGNAGE TO BE SUBMITTED FOR SEPARATE PERMIT REVIEW.

02 EXTERIOR ELEVATION  
A2.1 SCALE: 1/4" = 1'-0"



NOTE:  
SIGNAGE TO BE SUBMITTED FOR SEPARATE PERMIT REVIEW.

01 EXTERIOR ELEVATION  
A2.1 SCALE: 1/4" = 1'-0"

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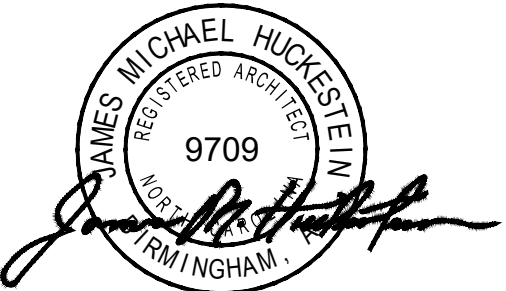
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SHEET TITLE  
EXTERIOR ELEVATION

DRAWING NO. A2.1

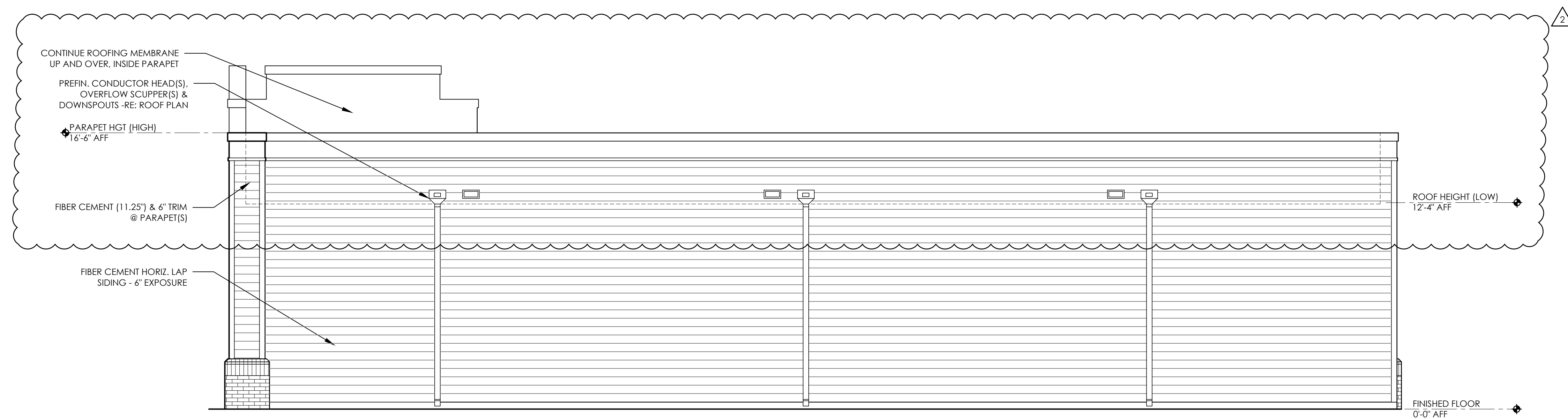




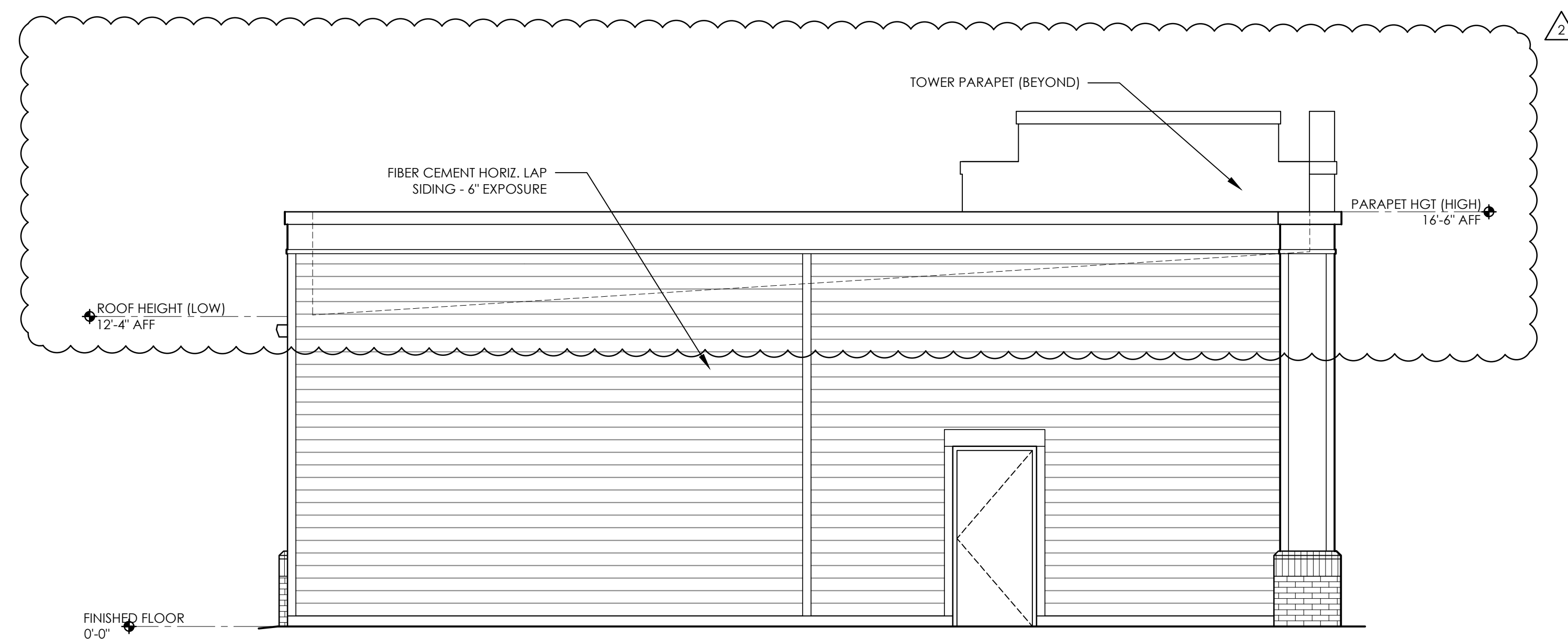
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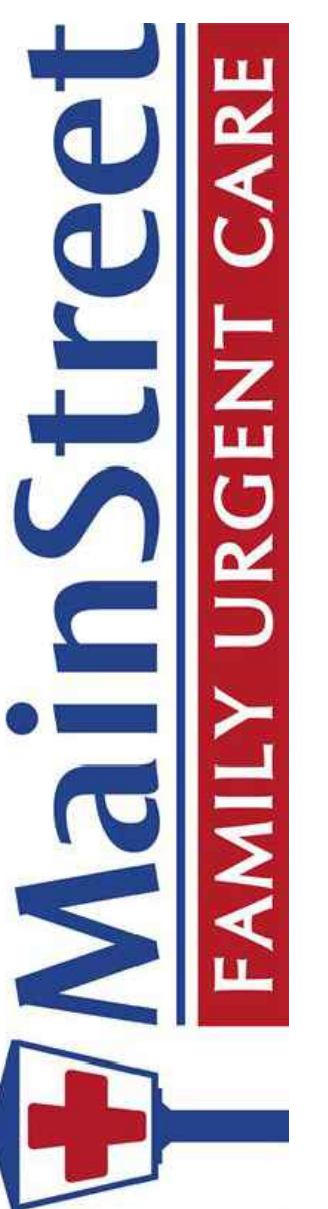


02 EXTERIOR ELEVATION  
A2.2 SCALE: 1/4" = 1'-0"



01 EXTERIOR ELEVATION  
A2.2 SCALE: 1/4" = 1'-0"

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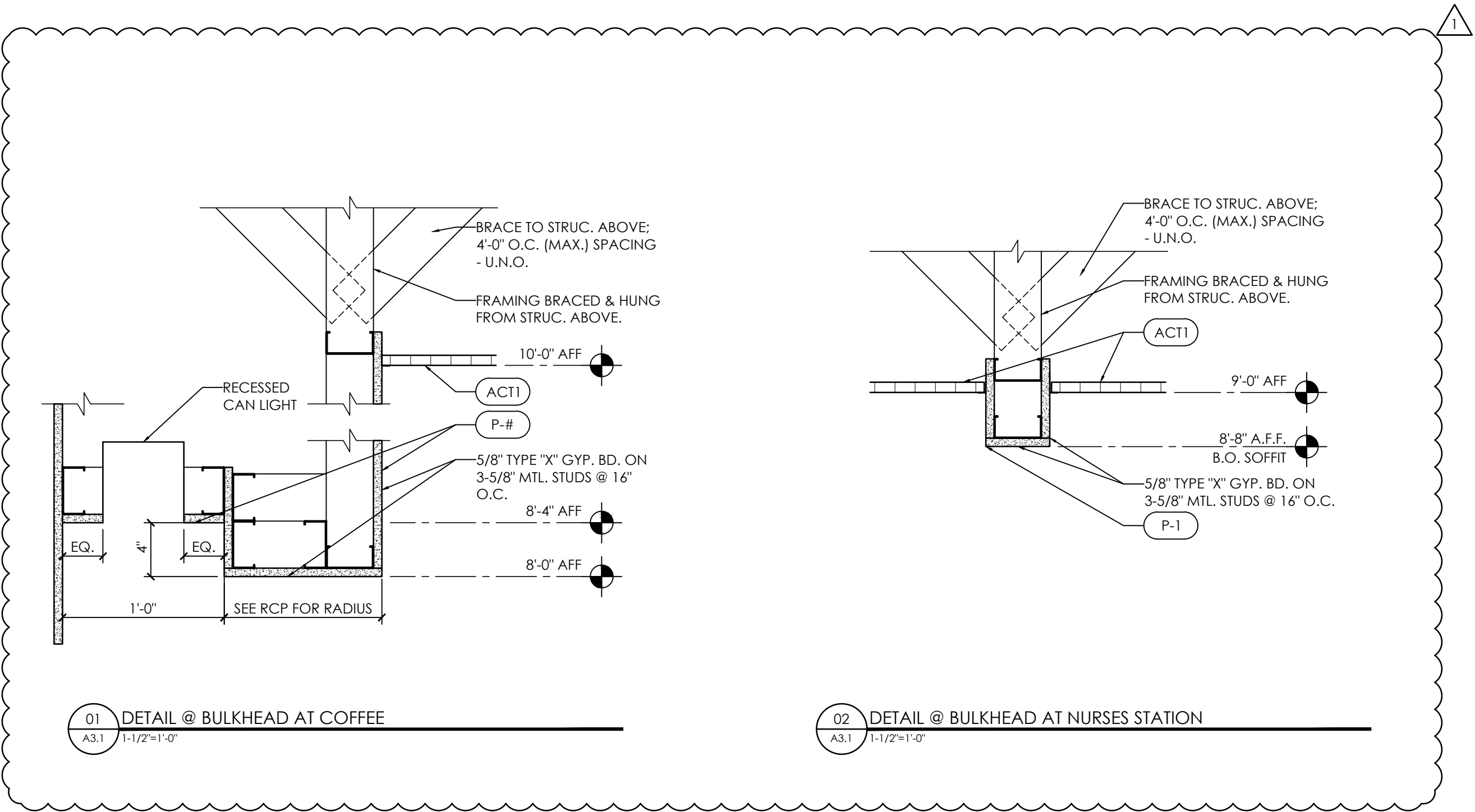
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SHEET TITLE  
EXTERIOR ELEVATION

DRAWING NO. **A2.2**



01 DETAIL @ BULKHEAD AT COFFEE  
A3.1 1-1/2"=1'-0"

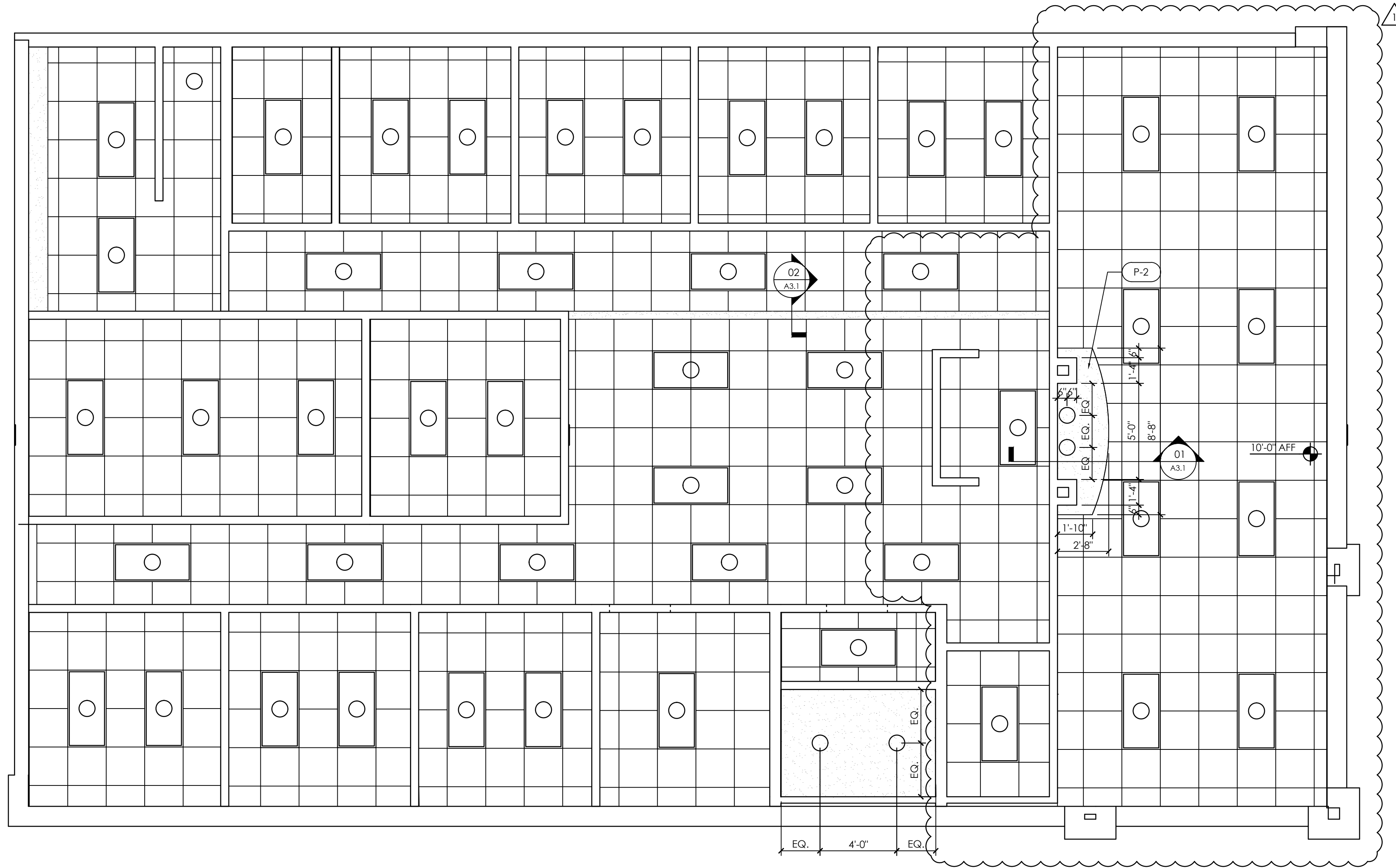
02 DETAIL @ BULKHEAD AT NURSES STATION  
A3.1 1-1/2"=1'-0"

RCP GENERAL NOTES:

- INTERIOR CEILING HEIGHTS TO BE 9'-0" UNLESS NOTED OTHERWISE.
- LIGHTING TO BE PROVIDED AS A PART OF AN ELECTRICAL DESIGN/BUILD PACKAGE. FIXTURES SHOWN ARE FOR REFERENCE ONLY. SUBMIT FIXTURE CUTSHEETS FOR REVIEW PRIOR TO ORDERING & INSTALLATION.
- PROVIDE MIN. ILLUMINATION LEVELS AS RECOMMENDED BY THE ILLUMINATING ENGINEERING SOCIETY (IES) FOR INTERIOR LIGHTING STANDARDS: AVG. 75 - 100 FOOTCANDLES FOR WORK SPACES & 30 - 50 FOR NON-TASK AREAS.
- LIGHTS AND GRID TO BE CENTERED WITHIN SPACES AS GRAPHICALLY INDICATED, UNLESS DIMENSIONED OTHERWISE.

RCP LEGEND:

- 2' X 4' LED LIGHT FIXTURE
- RECESSED LED LIGHT FIXTURE
- EXIT SIGNAGE
- CEILING MOUNTED PENDANT LIGHT FIXTURE
- EXHAUST FAN
- ACOUSTICAL CEILING TILE
- GYPSUM WALL BOARD
- EXTERIOR WALL MOUNTED LANTERN LIGHT FIXTURE



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email info@hjulaha.com  
www.hjulaha.com

A New Building For:

Cameron, NC 28326

RELEASES / DESCRIPTION / DATES	
OWNER CHANGES	10.18.23

NOT FOR CONSTRUCTION	<input type="checkbox"/>
RELEASED FOR CONSTRUCTION	<input checked="" type="checkbox"/>
DATE	08.01.2023
DRAWN	MEH
CHECKED	ENH
APPROVED	H+HA

PROJECT NUMBER 23001.06

SHEET TITLE REFLECTED CEILING PLAN

DRAWING NO. A3.1

**ROOF GENERAL NOTES:**

1. ROOF TO BE TPO MEMBRANE OVER 2" RIGID INSULATION ON STRUCTURAL PLYWOOD SHEATHING.
2. ALL SHEET METAL FLASHING & TRIM TO BE INSTALLED PER SMACNA STANDARDS.



**James m. huckestein**  
architect, AIA

architecture . planning . interior design

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A New Building For:  
**MainStreet**  
FAMILY URGENT CARE  
Cameron, NC 28326

RELEASES / DESCRIPTION / DATES		
1	OWNER CHANGES	10.18.23
2	PERMIT COMMENT RESPONSE	10.23.23

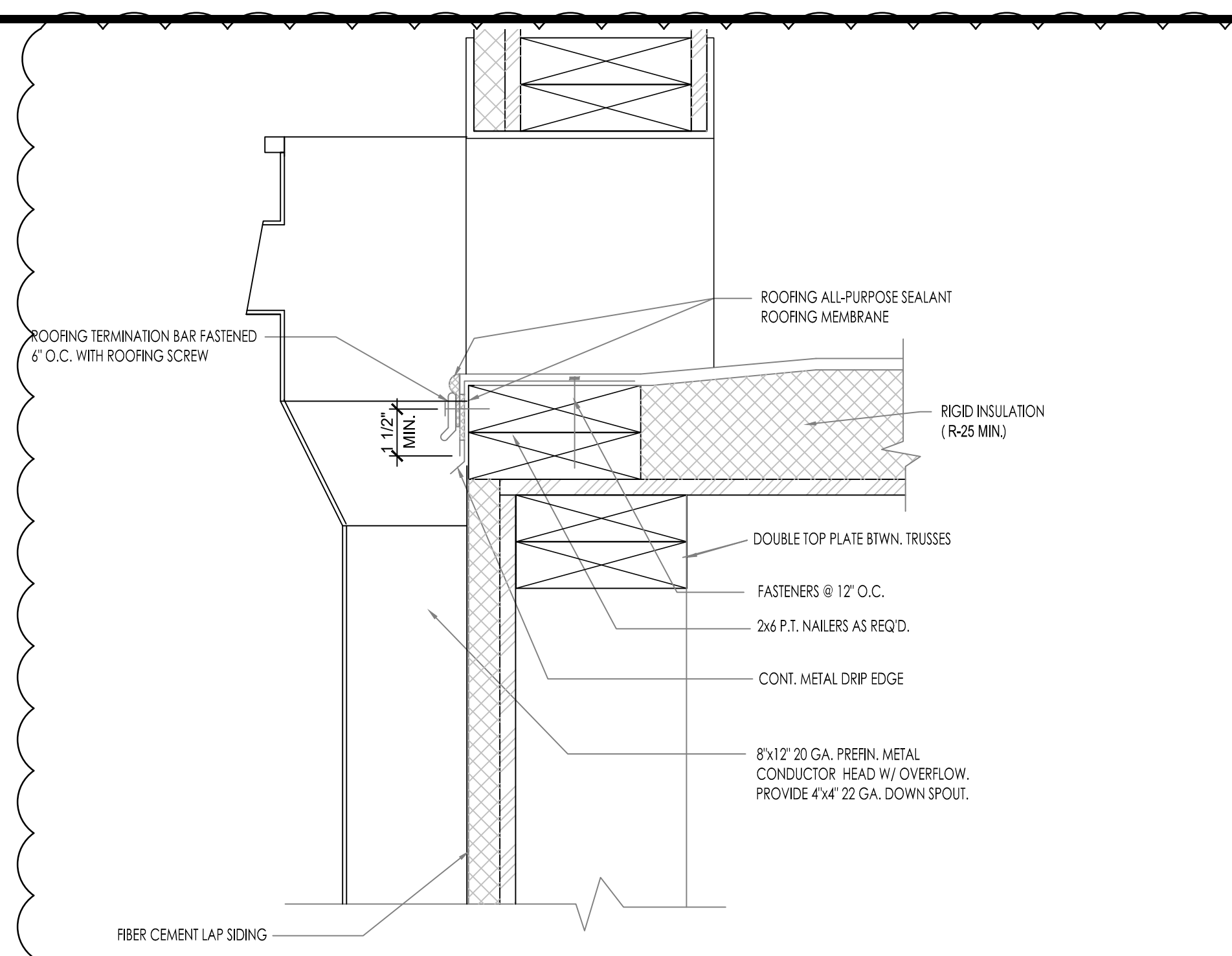
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RELEASED FOR CONSTRUCTION

DATE 08.01.2023  
DRAWN MEH  
CHECKED ENH  
APPROVED H+HA

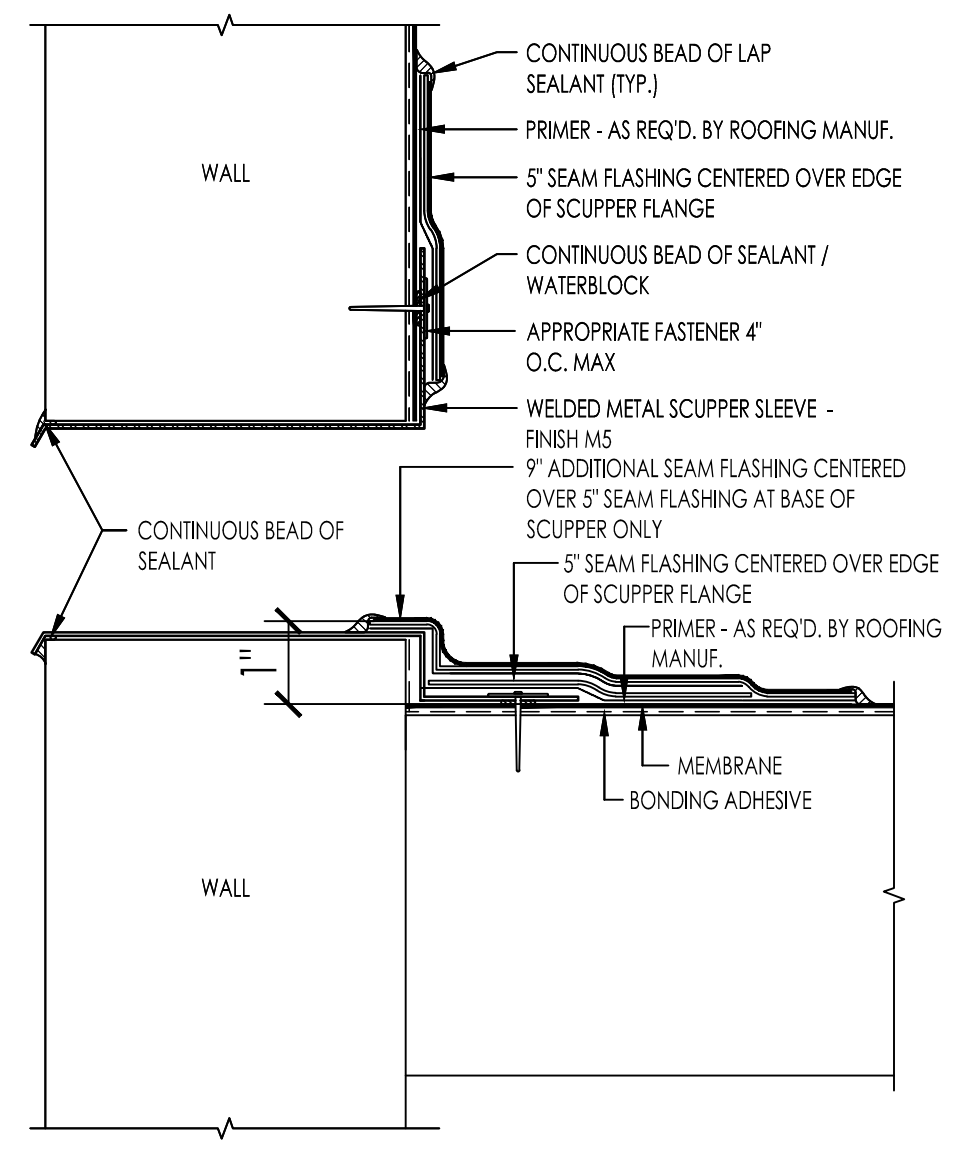
PROJECT NUMBER 23001.06

SHEET TITLE  
ROOF PLAN

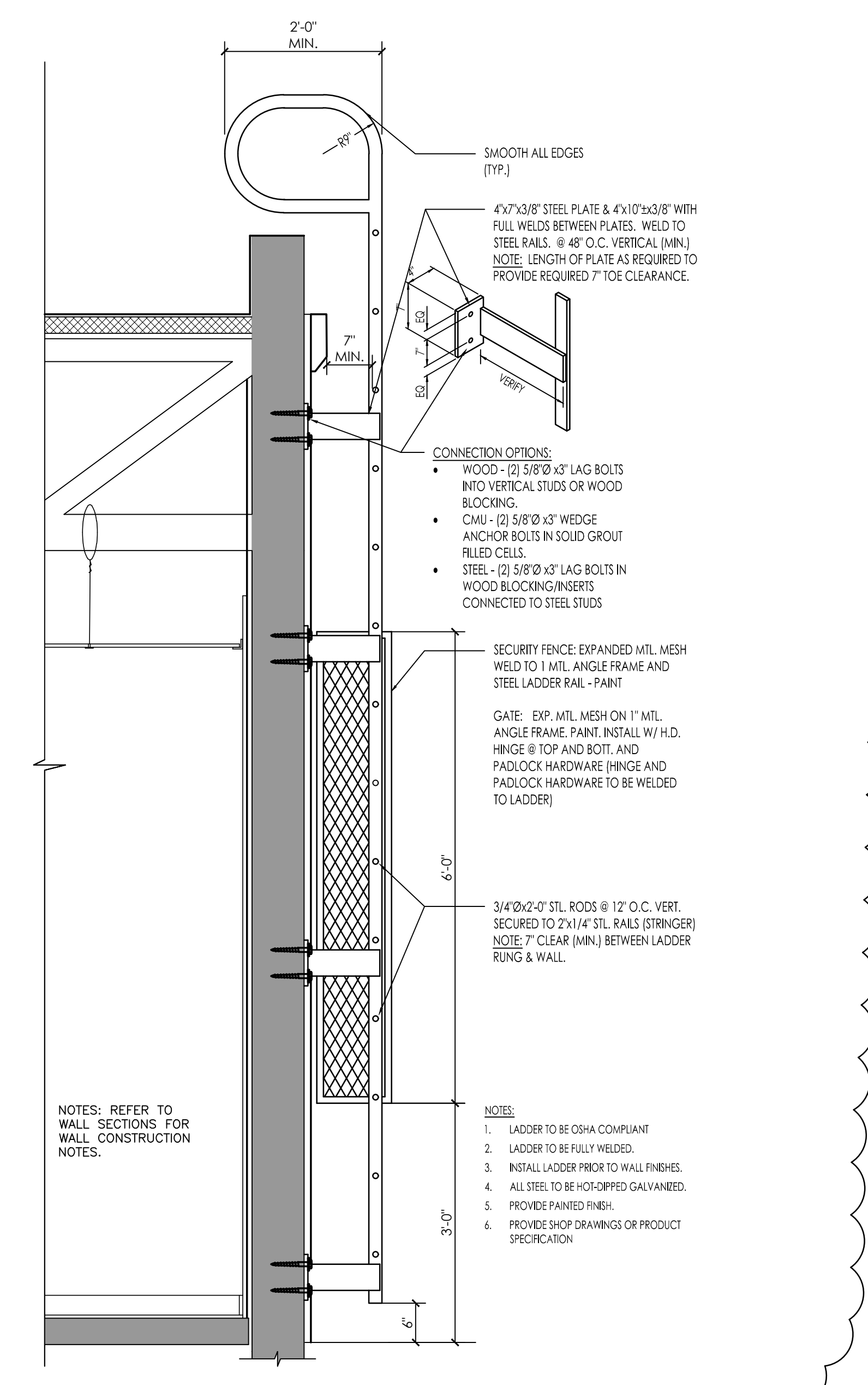
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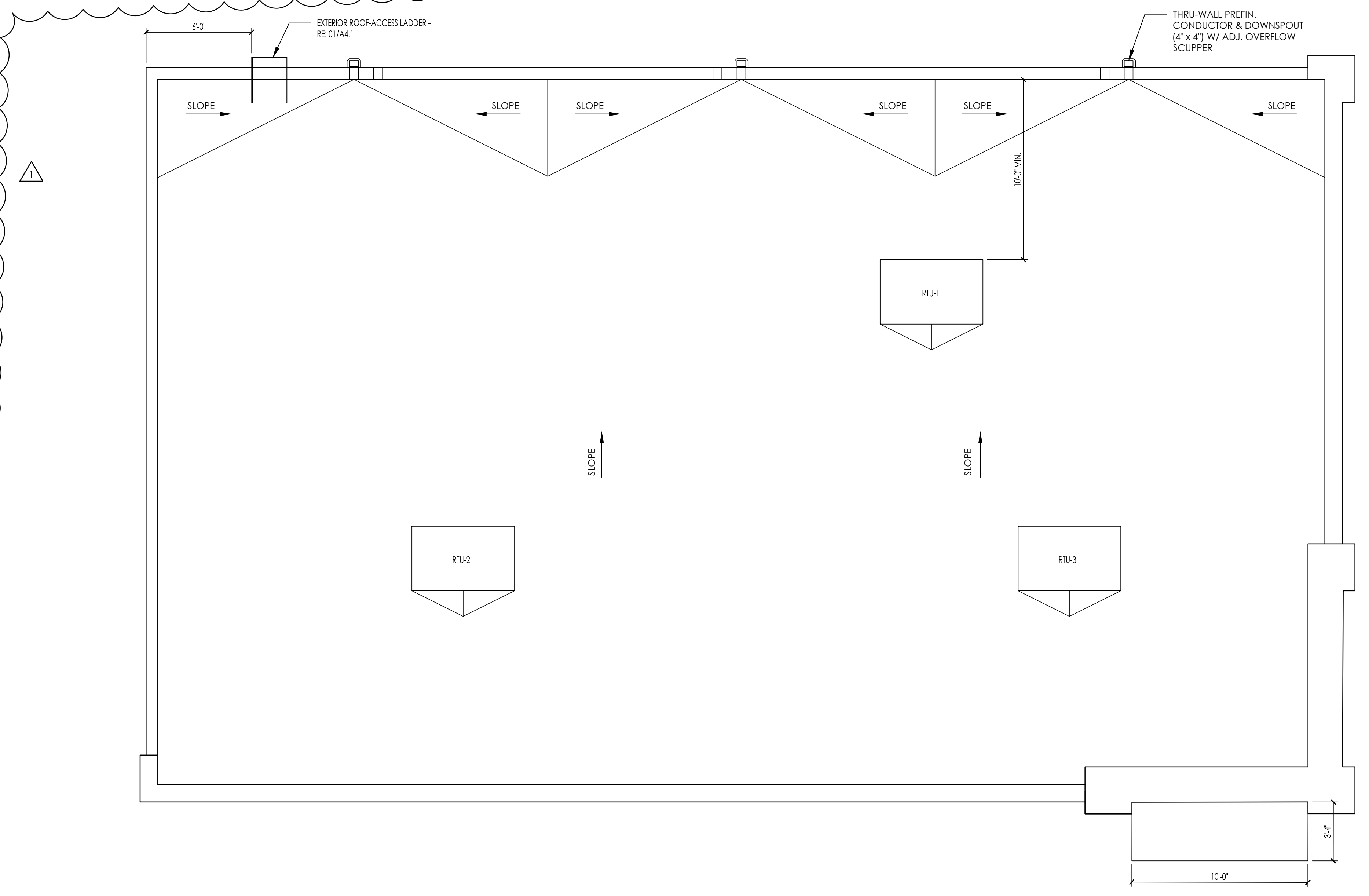
**02 CONDUCTOR HEAD DETAIL**  
A4.1 SCALE: 3/4" = 1'-0"



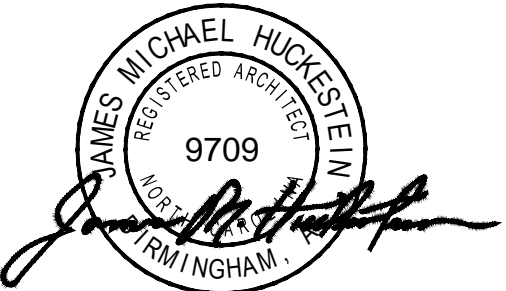
**03 OVERFLOW SCUPPER DETAIL**  
A4.1 SCALE: 6" = 1'-0"



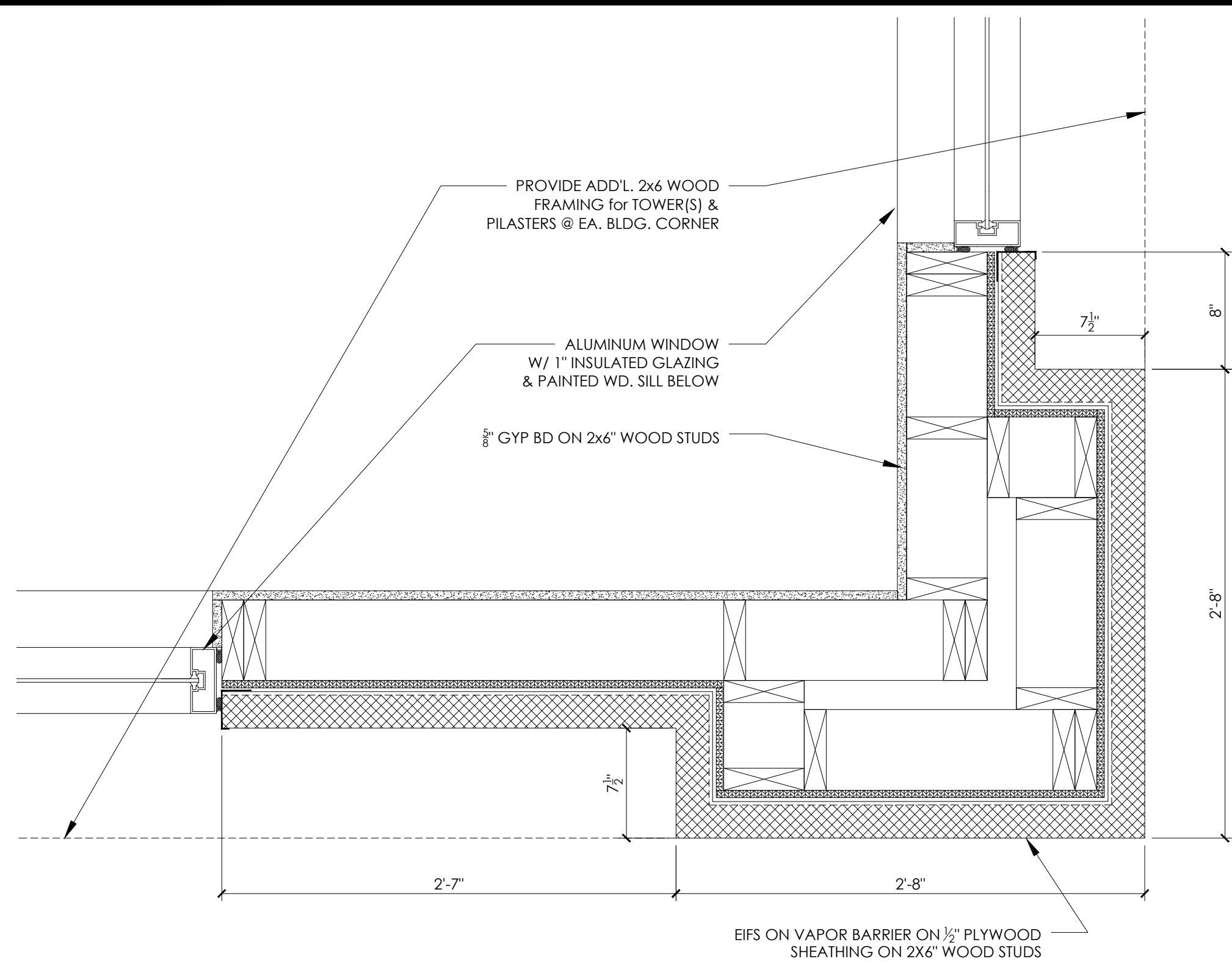
**01 ROOF-ACCESS LADDER DETAIL**  
A4.1 SCALE: 3/4" = 1'-0"



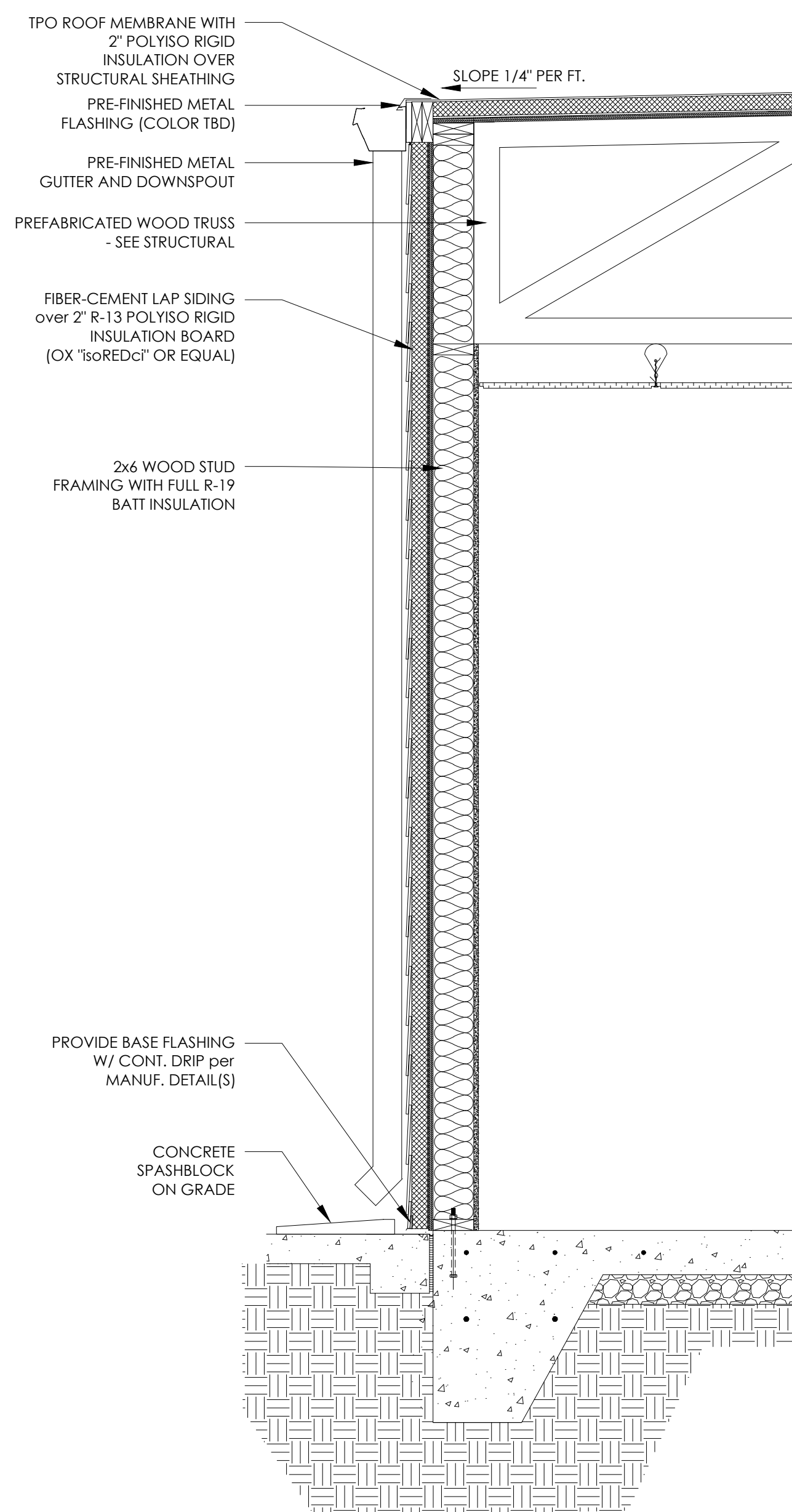
**ROOF PLAN**  
SCALE: 1/4" = 1'-0"



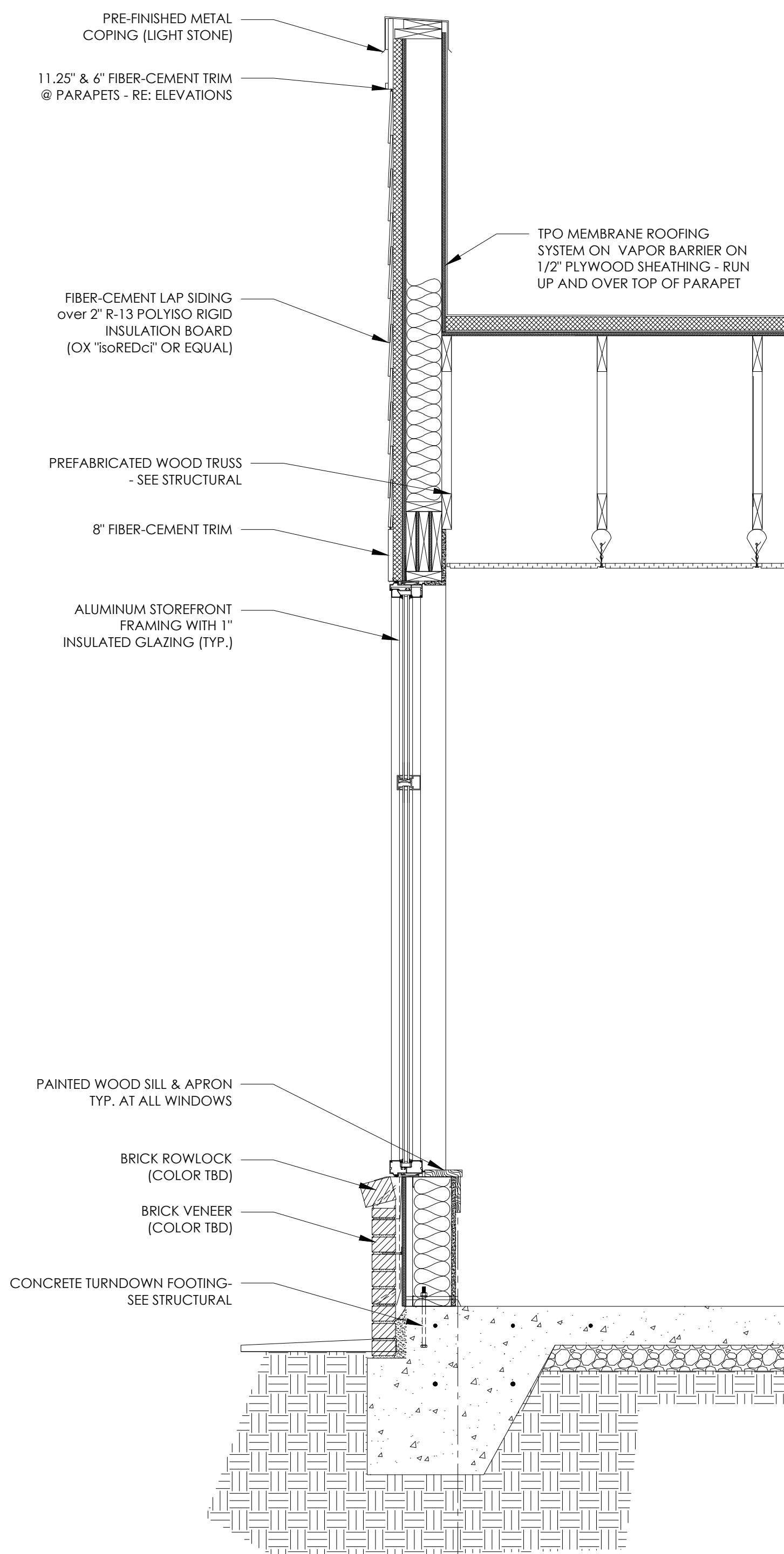
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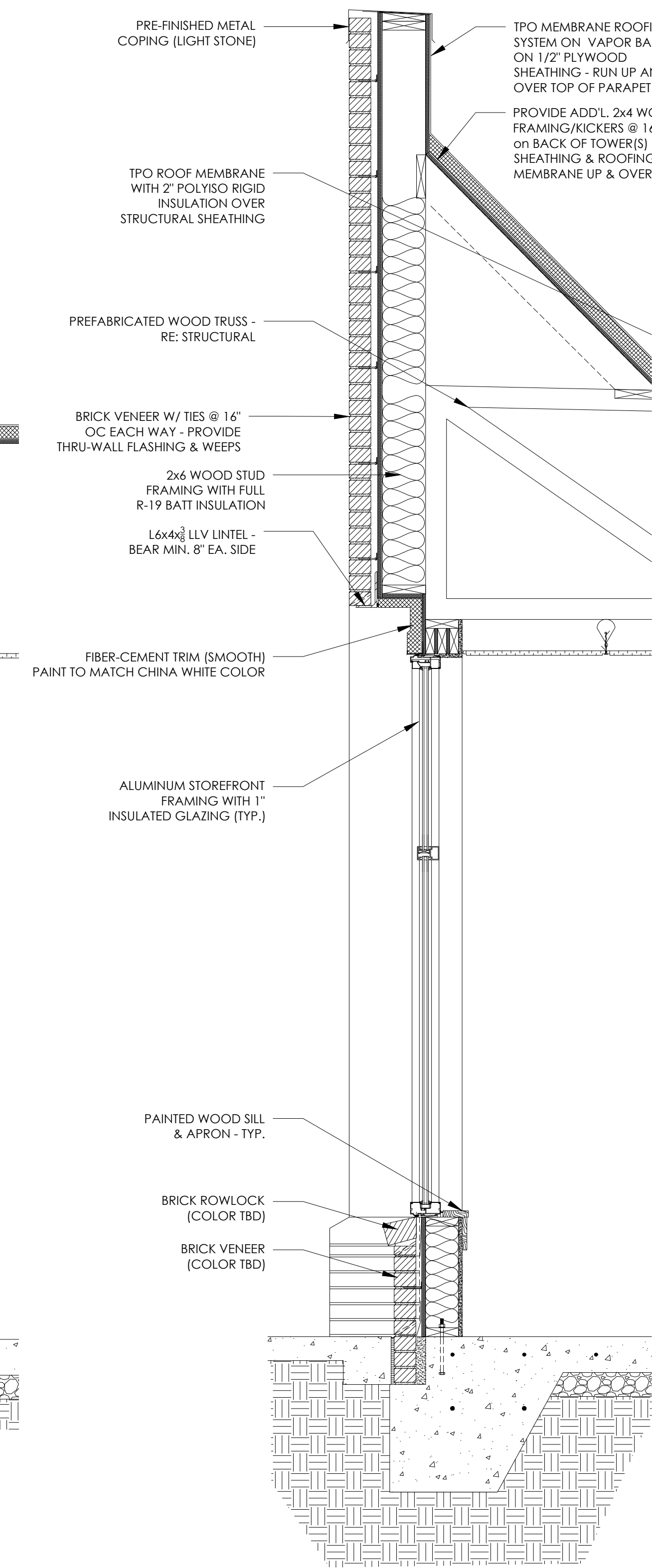
04 PLAN DETAIL  
 A5.1 SCALE: 1-1/2" = 1'-0"



02a WALL SECTION - ALTERNATE  
 A5.1 SCALE: 3/4" = 1'-0"



02 WALL SECTION  
 A5.1 SCALE: 3/4" = 1'-0"



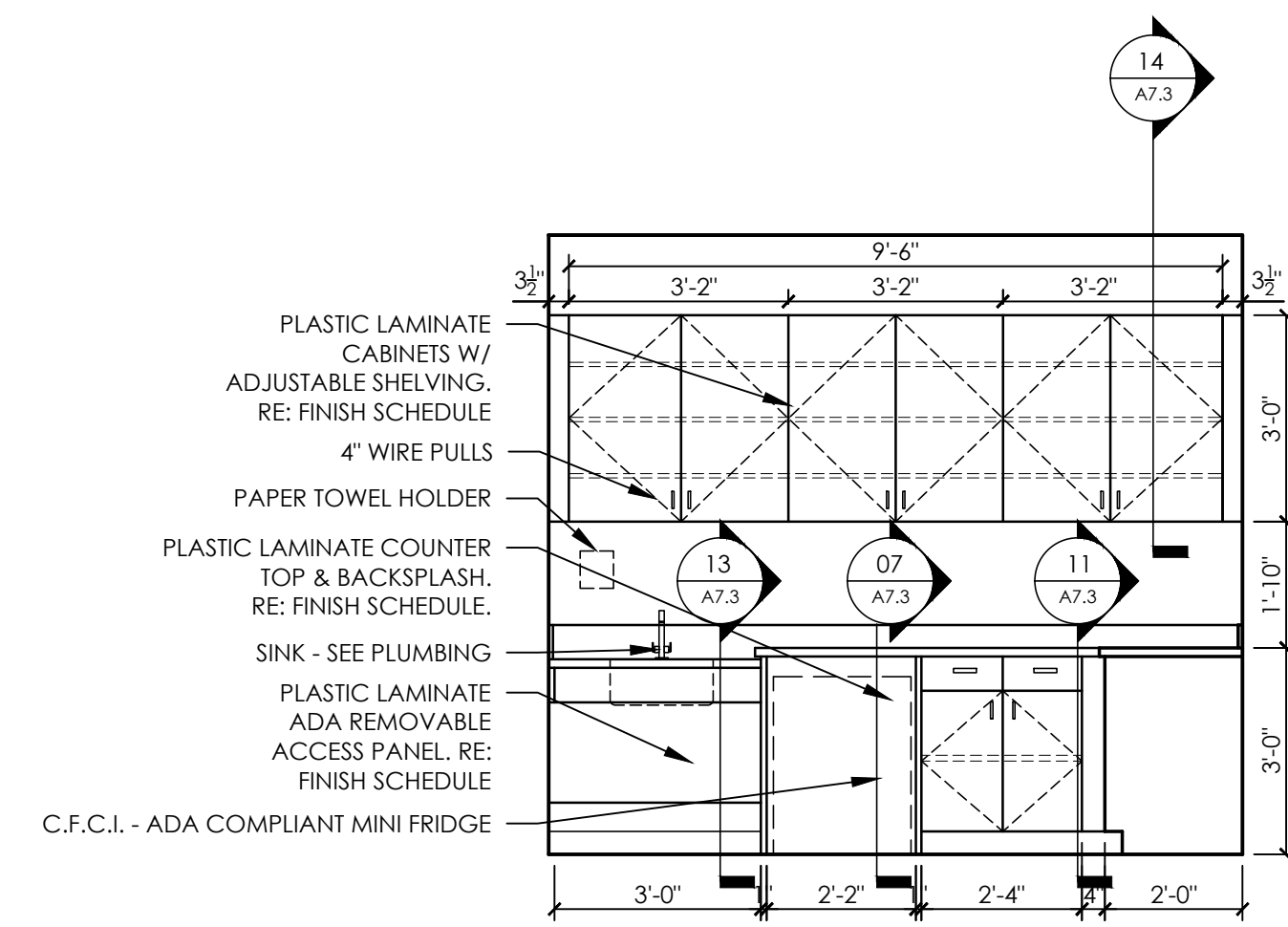
01 WALL SECTION  
 A5.1 SCALE: 3/4" = 1'-0"

A New Building For:

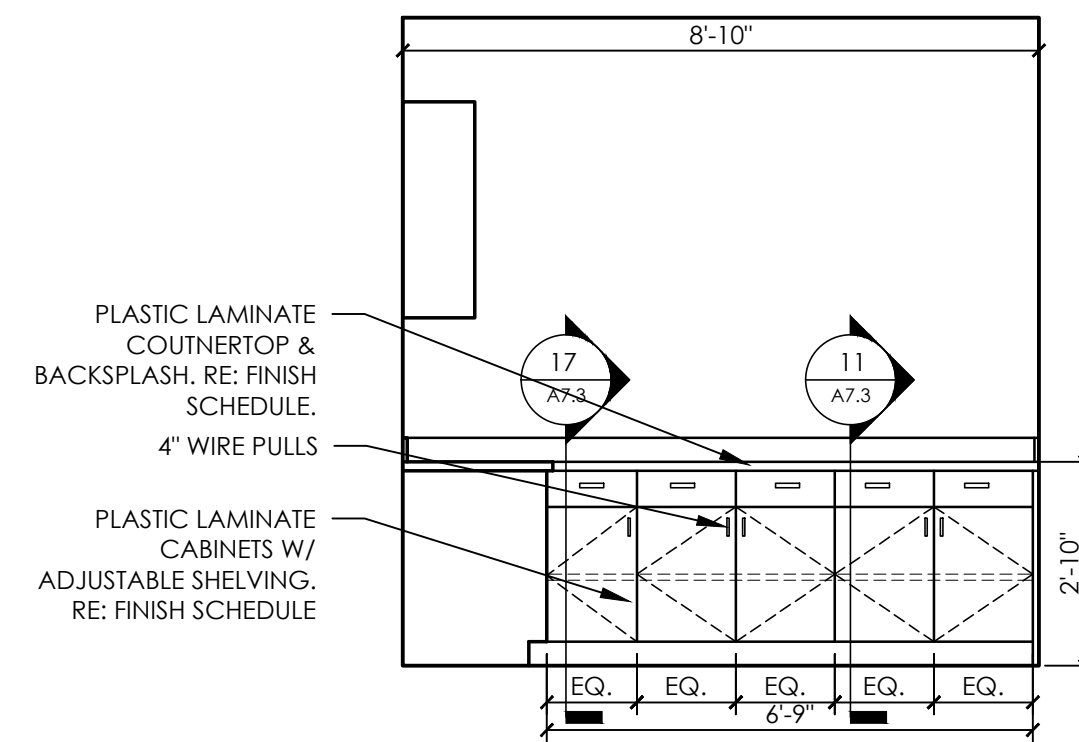
**MainStreet**  
 FAMILY URGENT CARE

Cameron, NC 28326

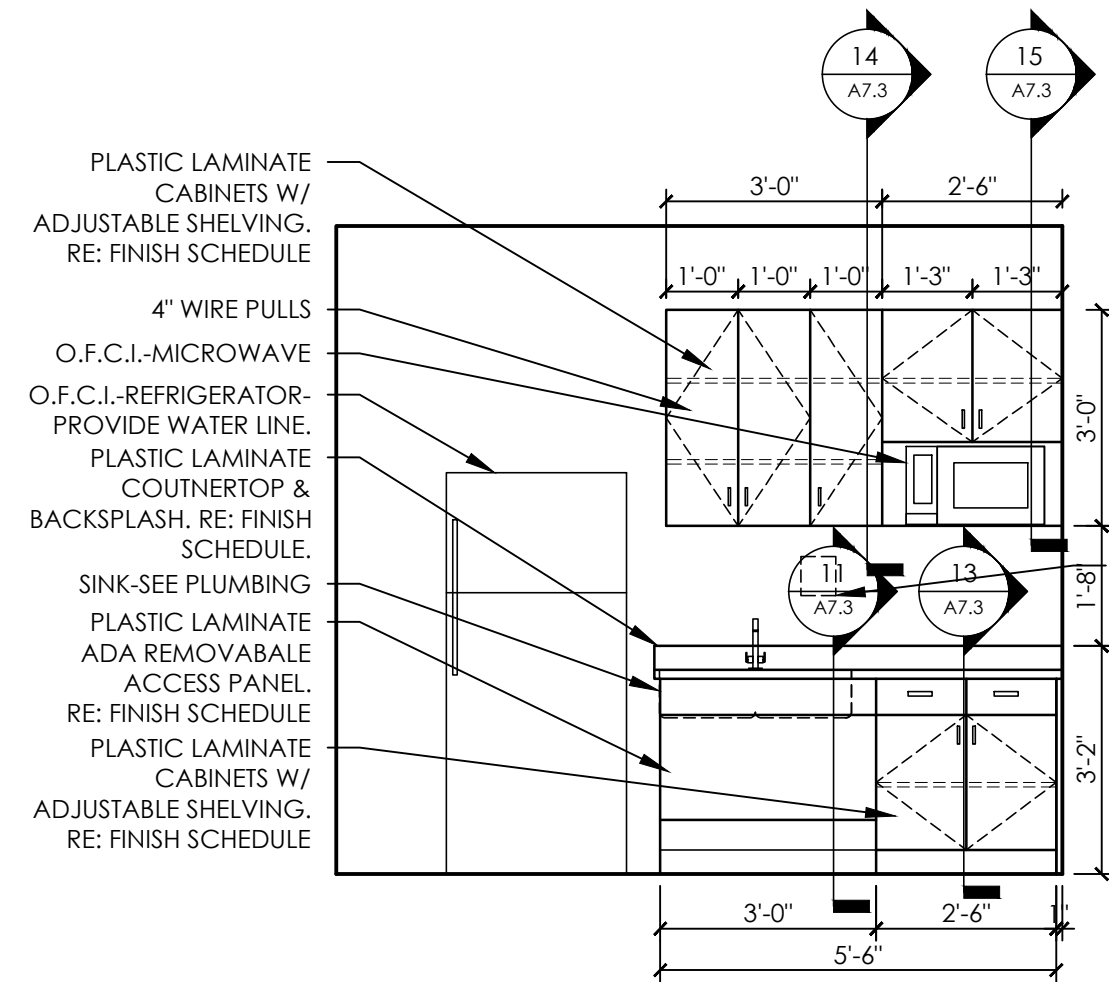
RELEASES / DESCRIPTION / DATES	
NOT FOR CONSTRUCTION	<input type="checkbox"/>
RELEASED FOR CONSTRUCTION	<input checked="" type="checkbox"/>
DATE	08.01.2023
DRAWN	MEH
CHECKED	ENH
APPROVED	H+HA
PROJECT NUMBER	23001.06
SHEET TITLE	WALL SECTIONS
DRAWING NO.	A5.1



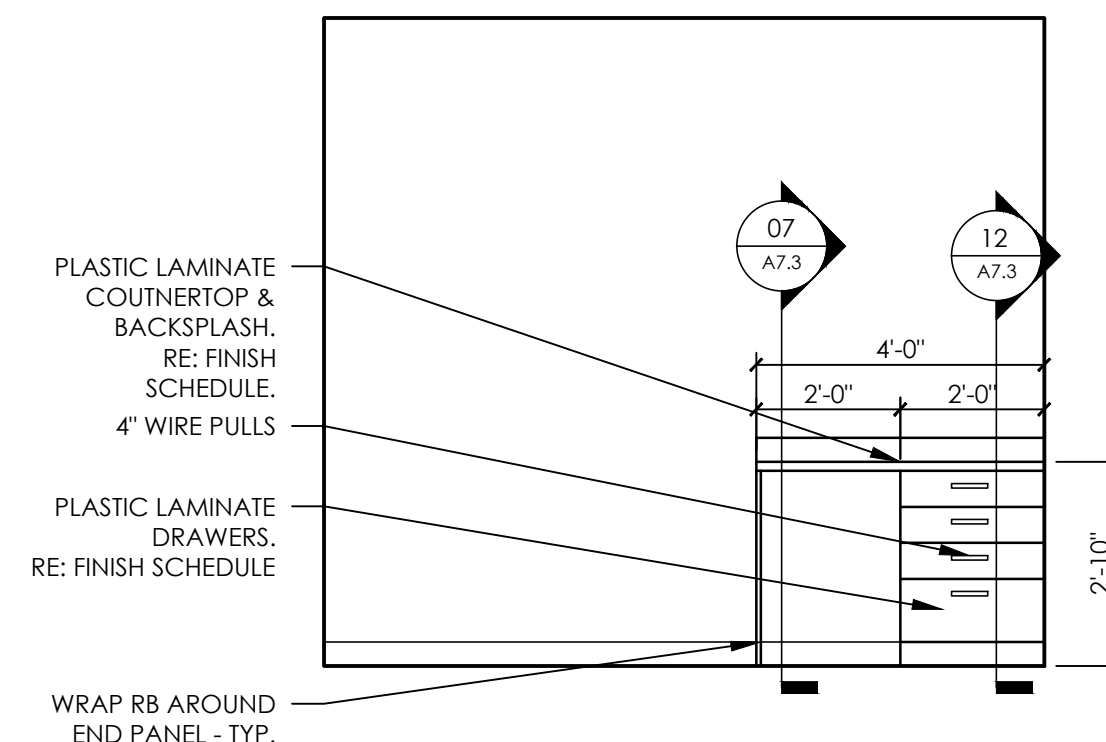
18 ELEVATION @ LAB  
A7.1 SCALE: 3/8" = 1'-0"



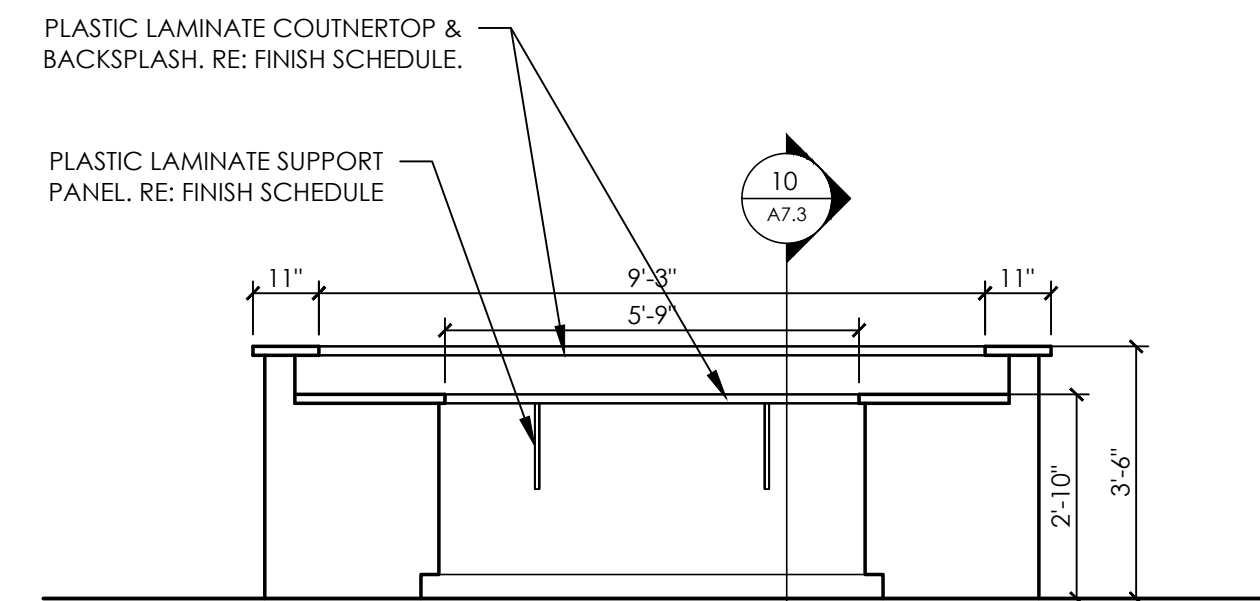
17 ELEVATION @ LAB  
A7.1 SCALE: 3/8" = 1'-0"



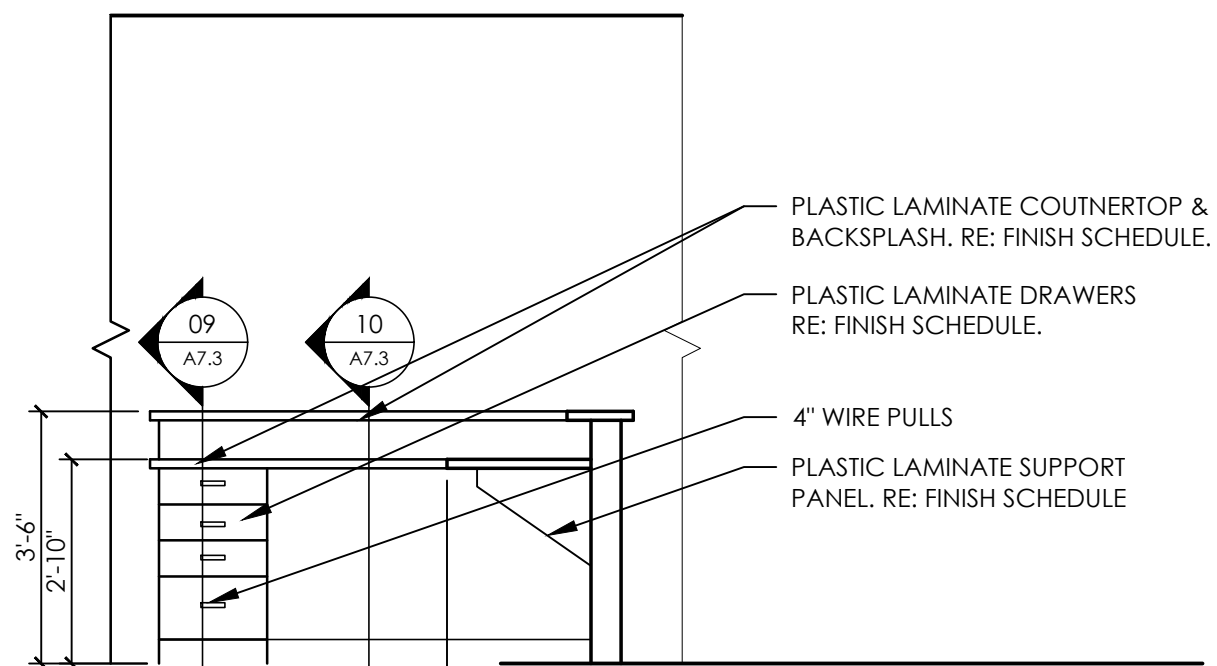
16 ELEVATION @ BREAK ROOM  
A7.1 SCALE: 3/8" = 1'-0"



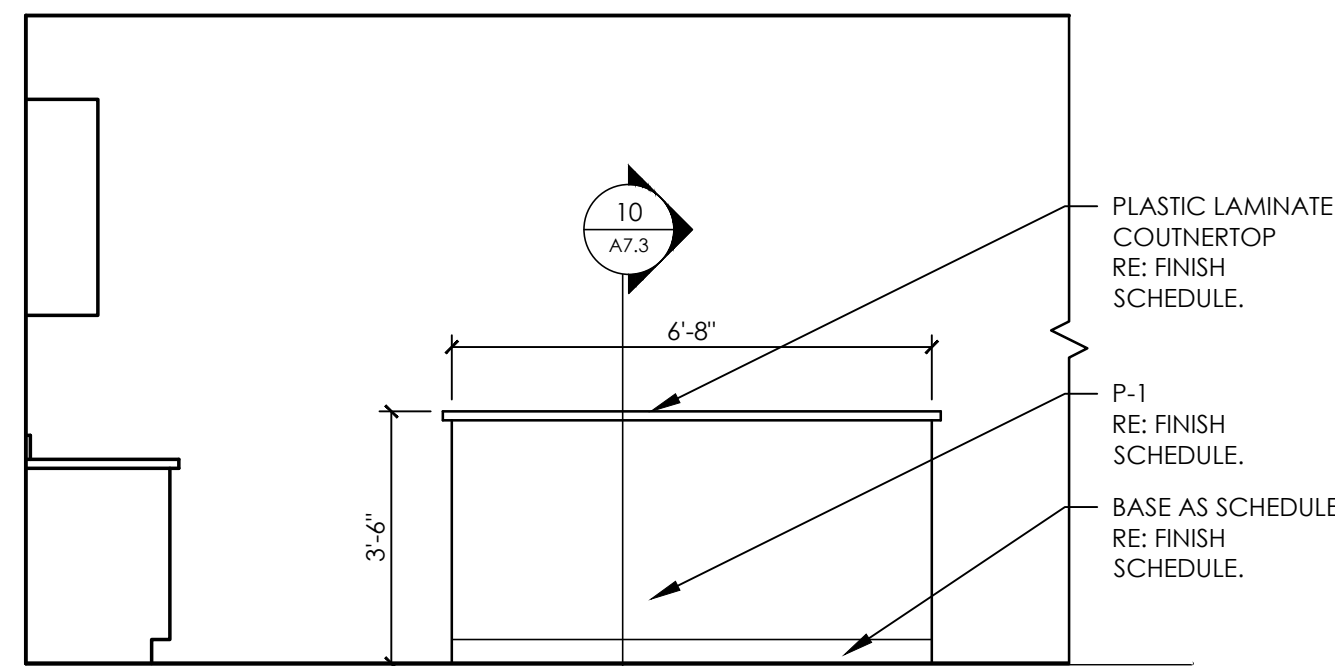
15 ELEVATION @ TYPICAL EXAM ROOM  
A7.1 SCALE: 3/8" = 1'-0"



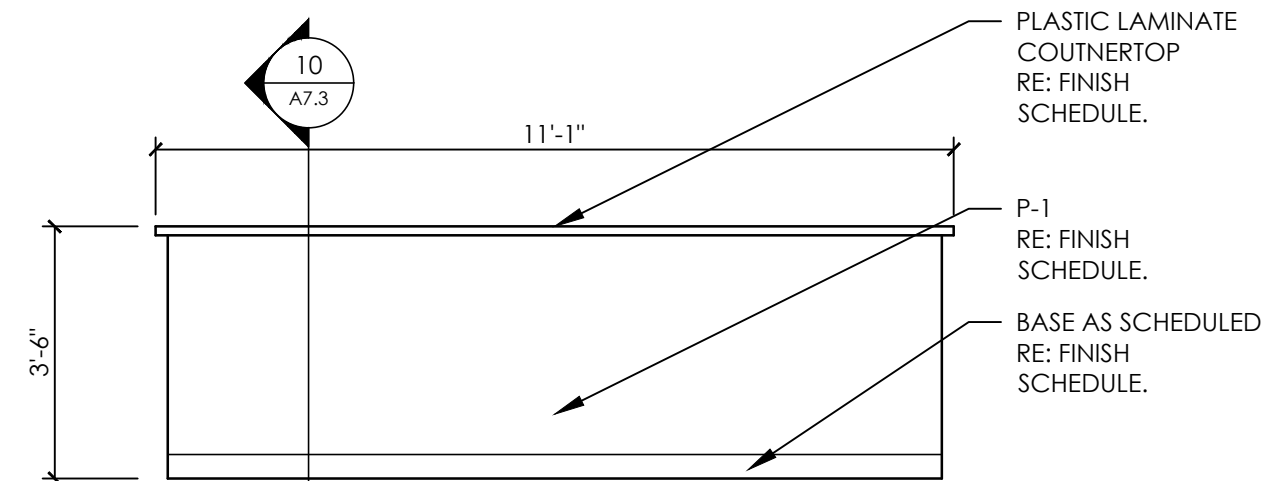
14 ELEVATION @ NURSE'S STATION  
A7.1 SCALE: 3/8" = 1'-0"



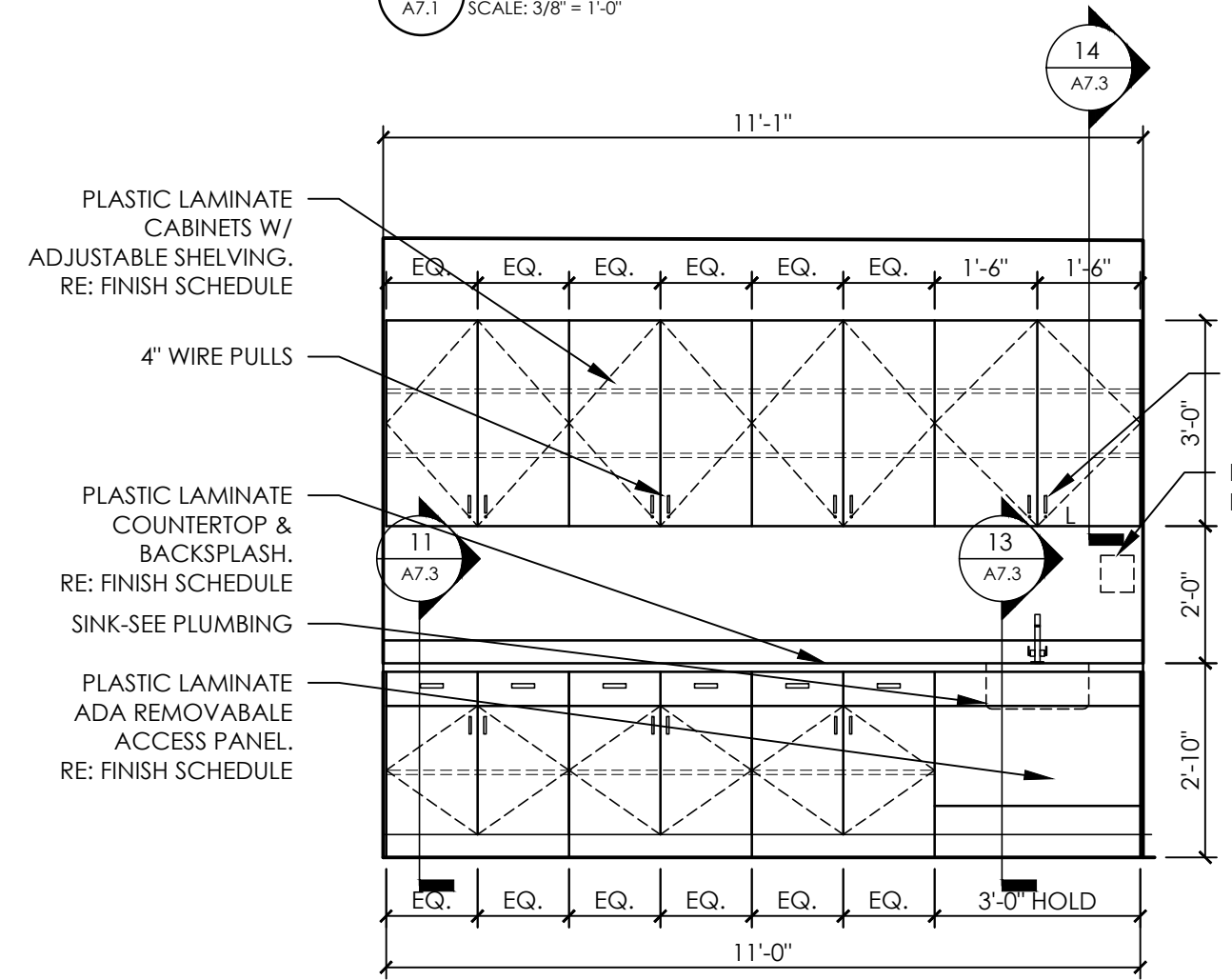
13 ELEVATION @ NURSE'S STATION  
A7.1 SCALE: 3/8" = 1'-0"



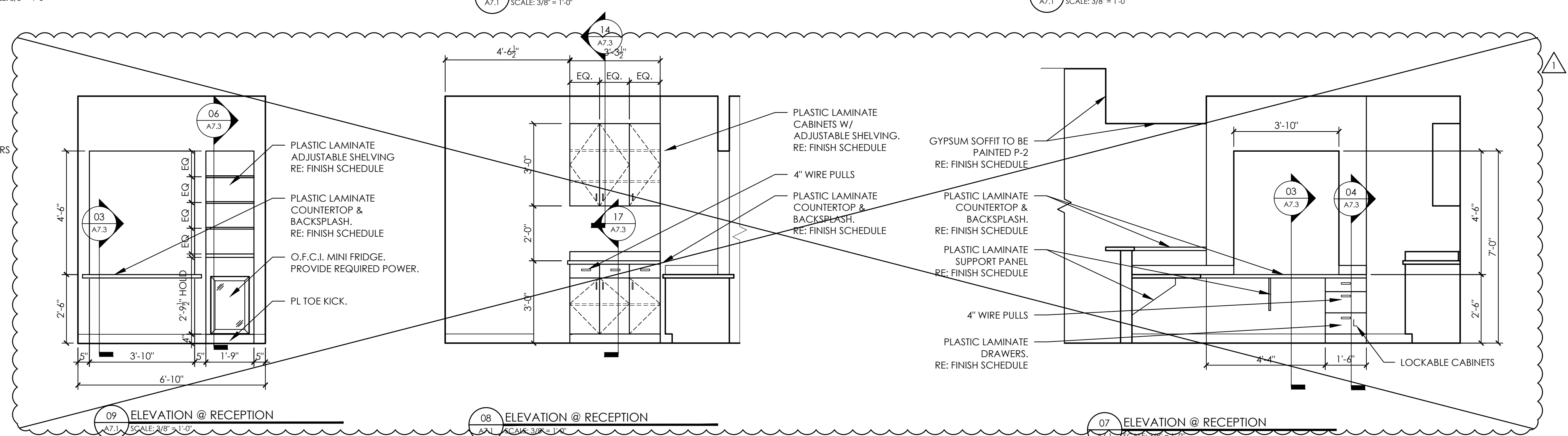
12 ELEVATION @ NURSE'S STATION  
A7.1 SCALE: 3/8" = 1'-0"



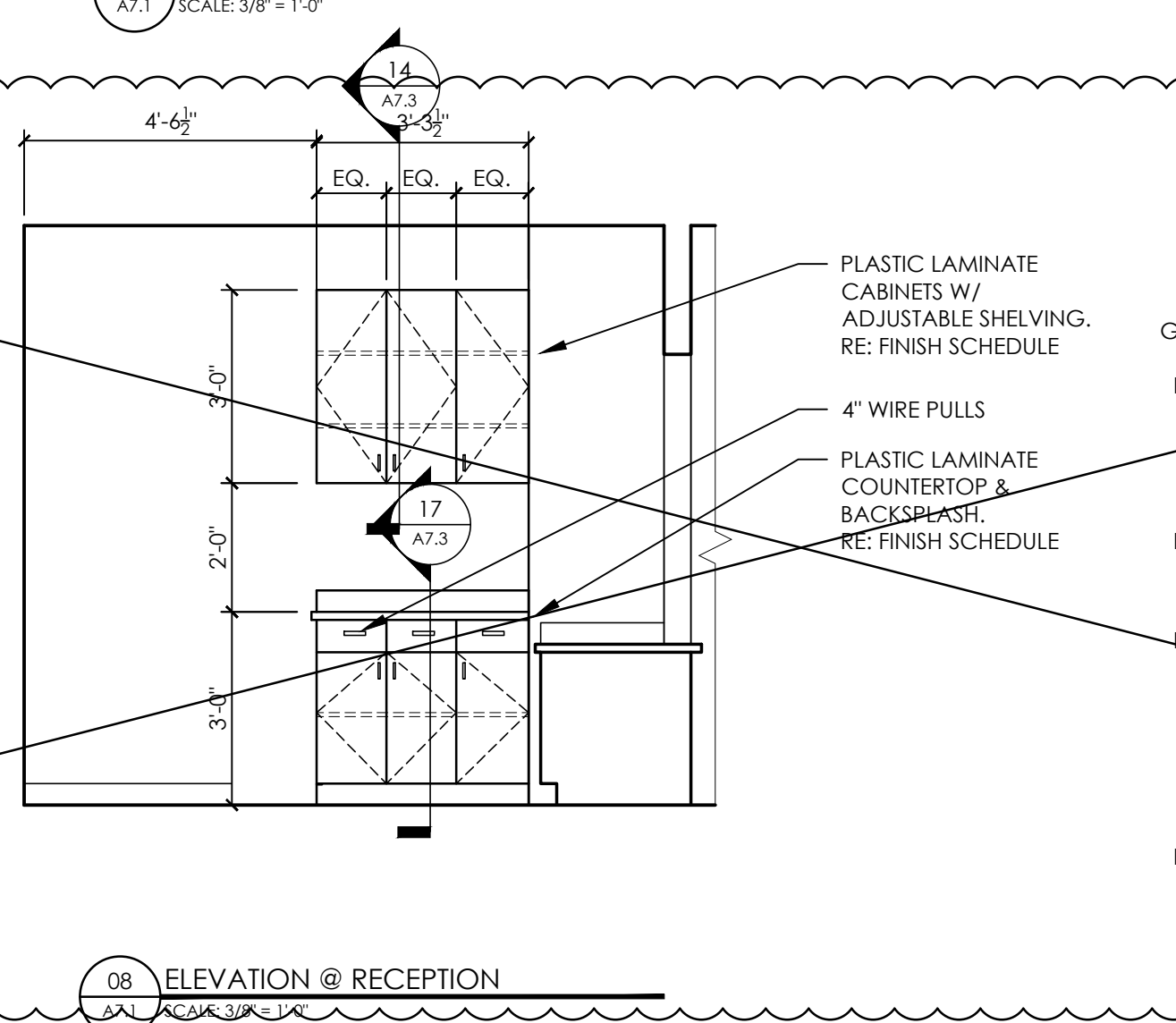
11 ELEVATION @ NURSE'S STATION  
A7.1 SCALE: 3/8" = 1'-0"



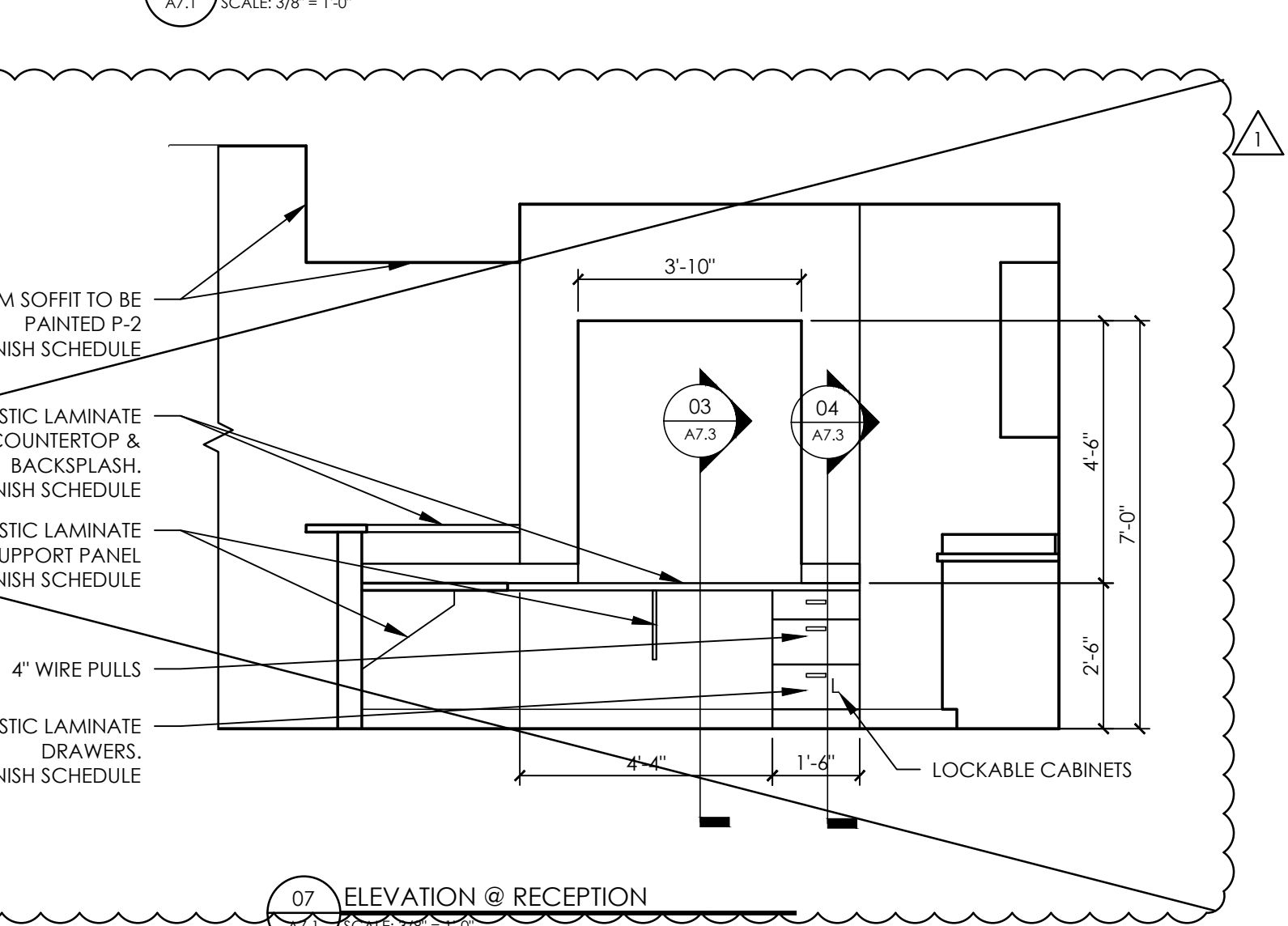
10 ELEVATION @ NURSE'S STATION  
A7.1 SCALE: 3/8" = 1'-0"



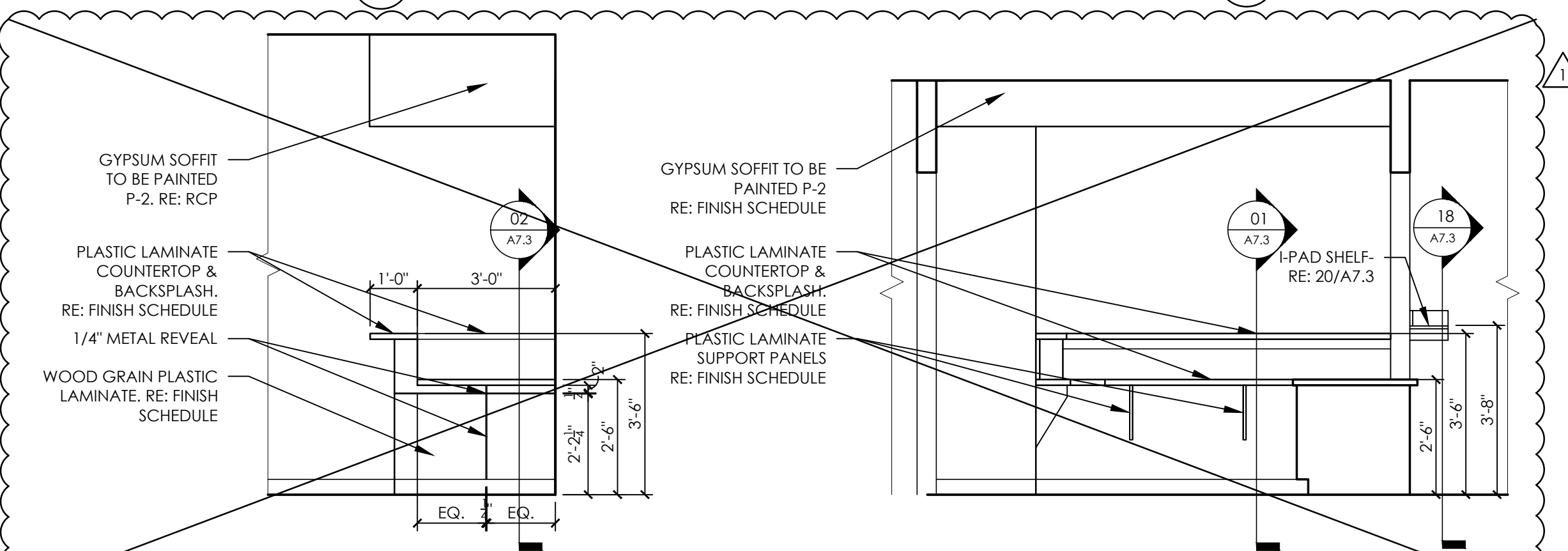
09 ELEVATION @ RECEPTION  
A7.1 SCALE: 3/8" = 1'-0"



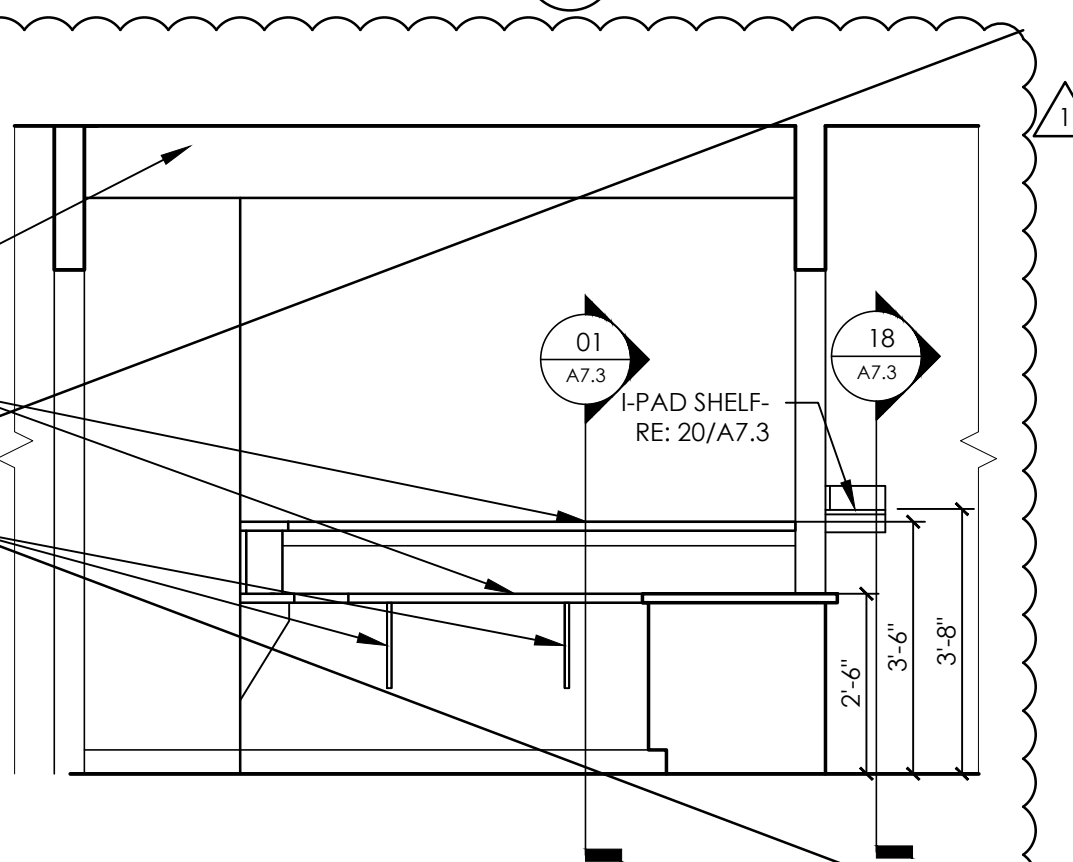
08 ELEVATION @ RECEPTION  
A7.1 SCALE: 3/8" = 1'-0"



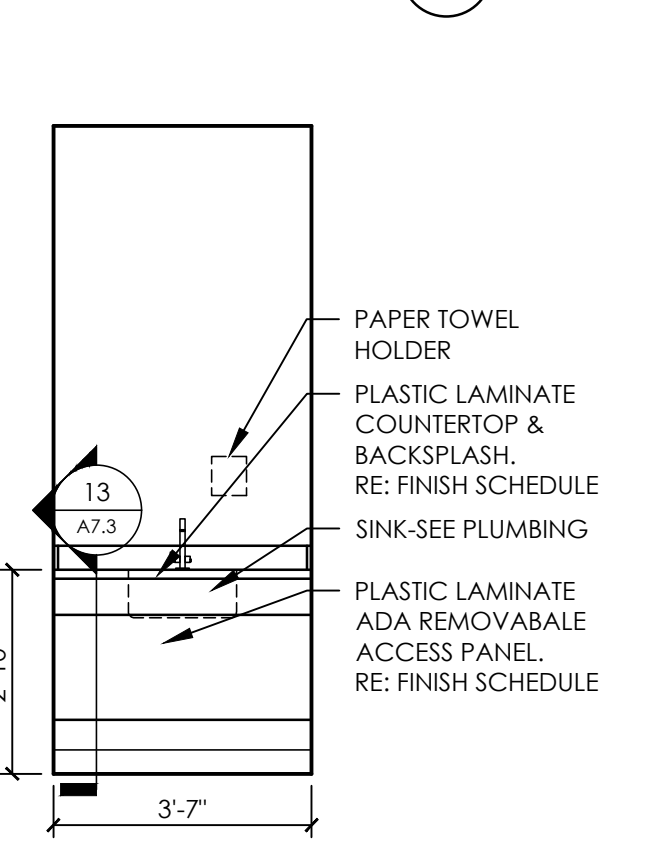
07 ELEVATION @ RECEPTION  
A7.1 SCALE: 3/8" = 1'-0"



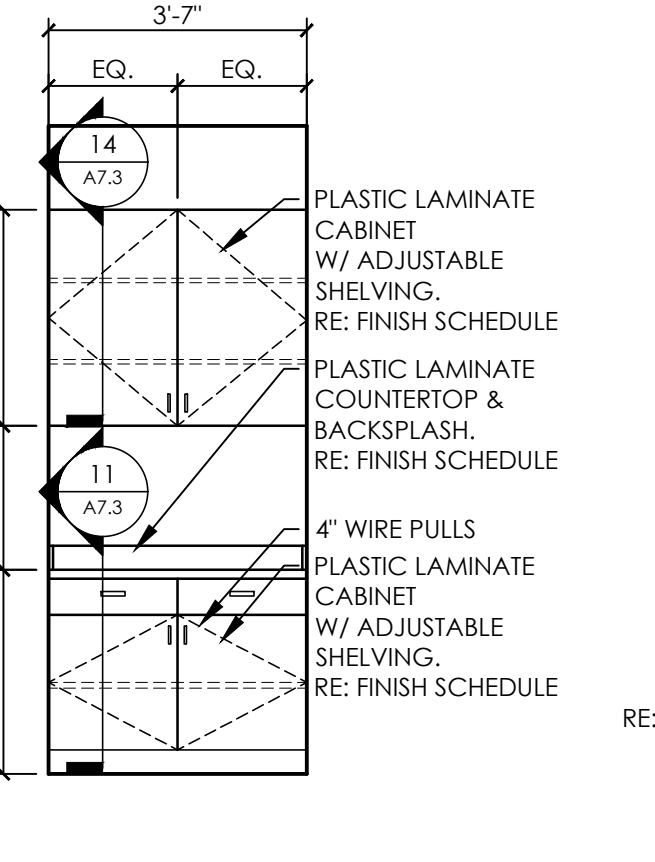
06 ELEVATION @ RECEPTION  
A7.1 SCALE: 3/8" = 1'-0"



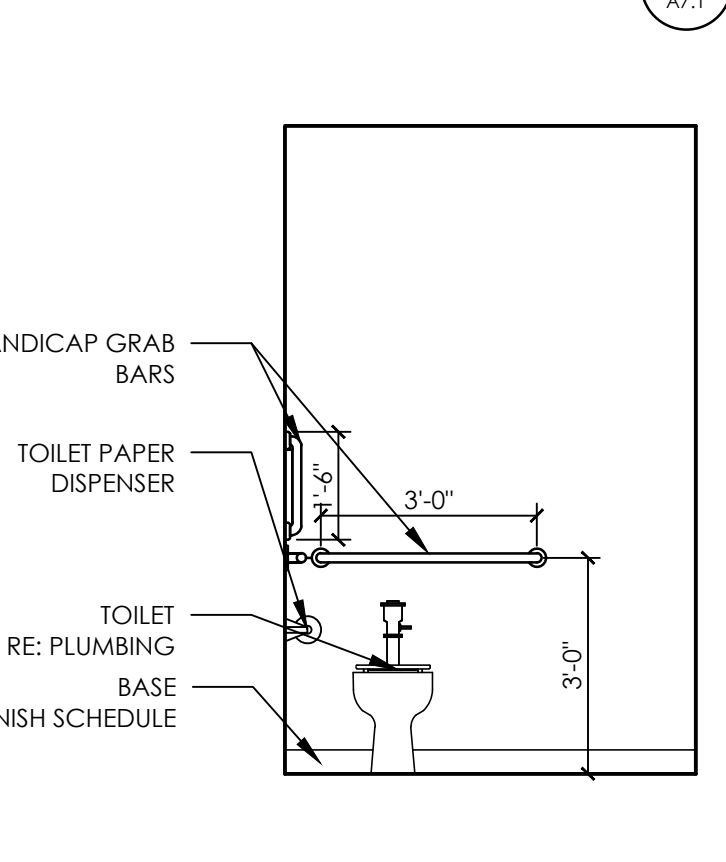
05 ELEVATION @ RECEPTION  
A7.1 SCALE: 3/8" = 1'-0"



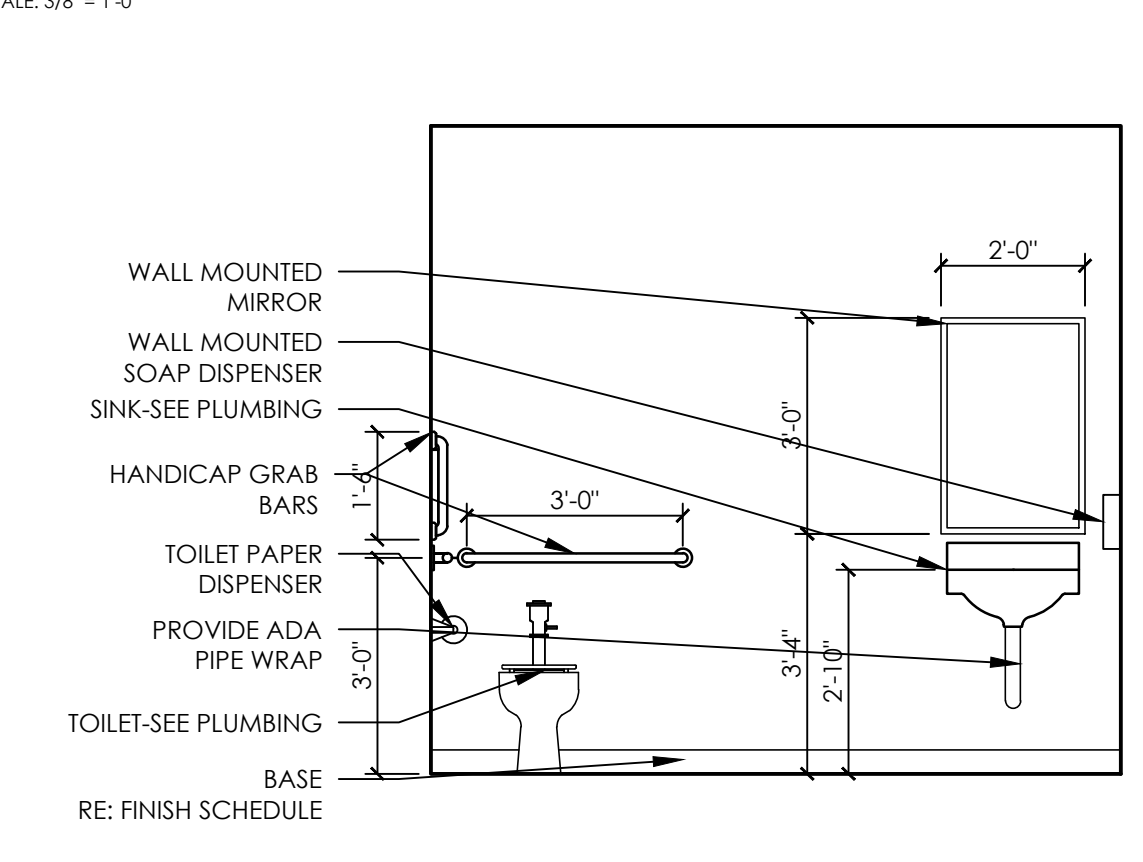
04 ELEVATION @ DRUG SCREEN  
A7.1 SCALE: 3/8" = 1'-0"



03 ELEVATION @ DRUG SCREEN  
A7.1 SCALE: 3/8" = 1'-0"



02 ELEVATION @ DRUG SCREEN  
A7.1 SCALE: 3/8" = 1'-0"



01 ELEVATION @ RESTROOM  
A7.1 SCALE: 3/8" = 1'-0"

A New Building For:

Cameron, NC 28326

RELEASES / DESCRIPTION / DATES	
OWNER CHANGES	10.18.23

NOT FOR CONSTRUCTION	<input type="checkbox"/>
RELEASED FOR CONSTRUCTION	<input checked="" type="checkbox"/>
DATE	08.01.2023
DRAWN	MEH
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APPROVED	H+HA
PROJECT NUMBER	23001.06
SHEET TITLE	INTERIOR ELEVATIONS



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A New Building For:  
**MainStreet**  
FAMILY URGENT CARE  
Cameron, NC 28326

RELEASES / DESCRIPTION / DATES

OWNER CHANGES 10.18.23

NOT FOR CONSTRUCTION  
RELEASED FOR CONSTRUCTION

DATE 08.01.2023

DRAWN MEH

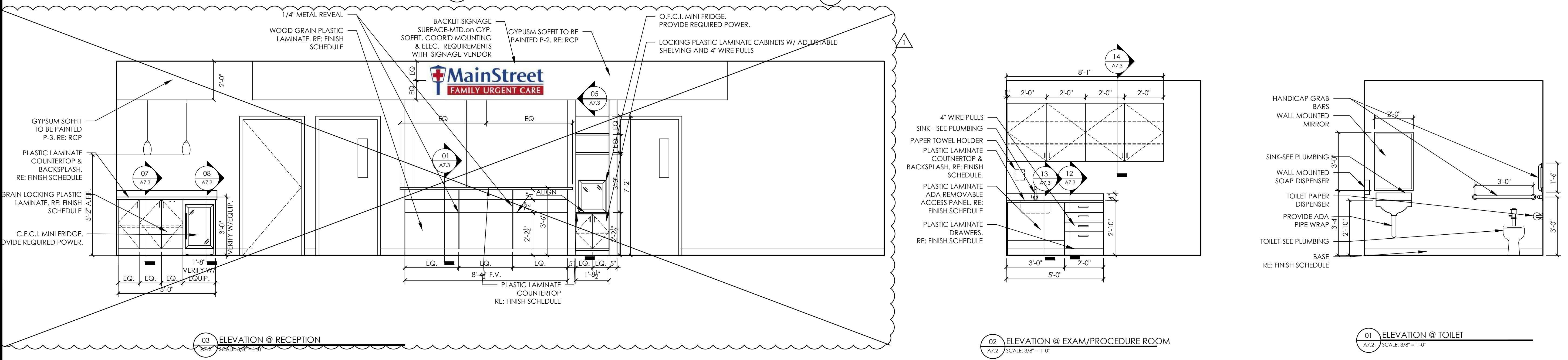
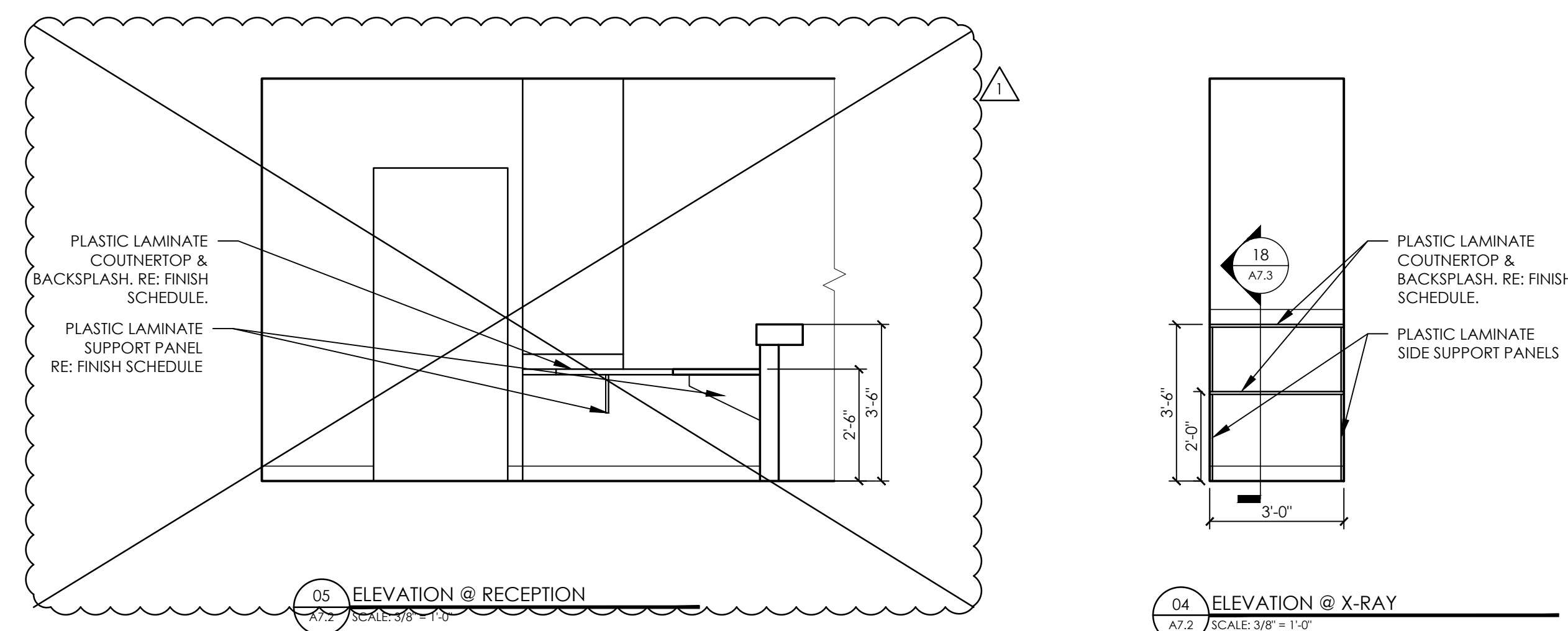
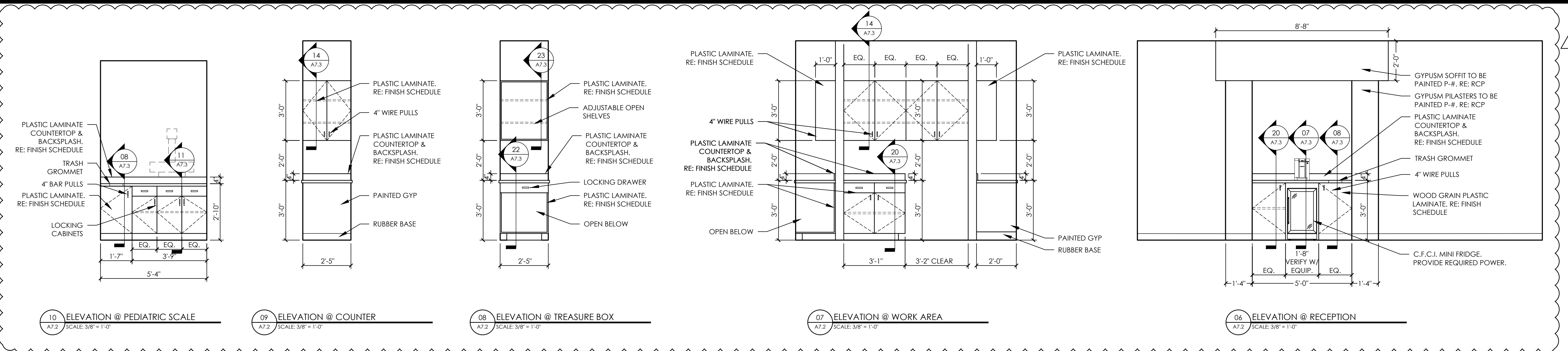
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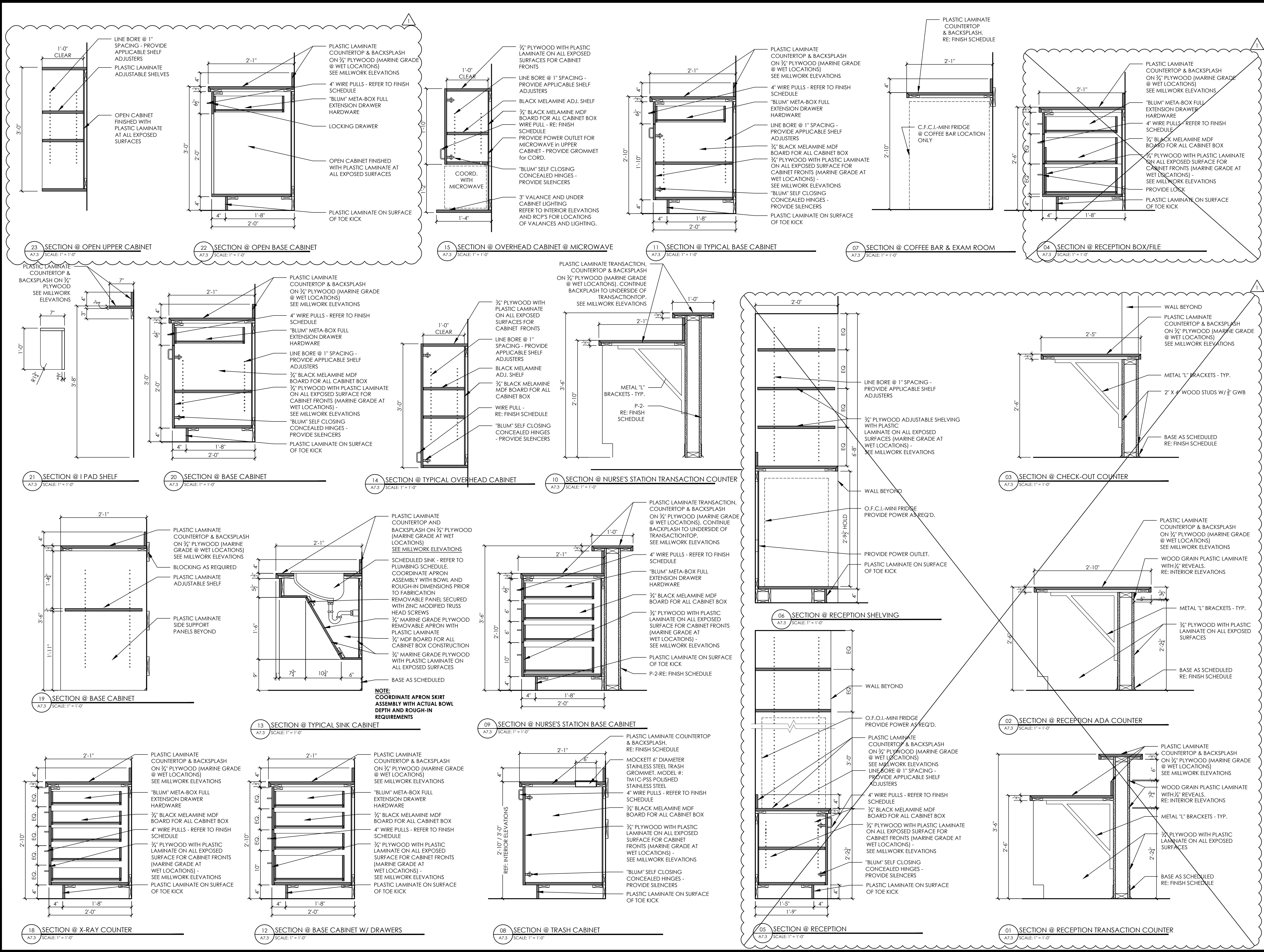
APPROVED H+HA

PROJECT NUMBER 23001.06

SHEET TITLE INTERIOR ELEVATIONS

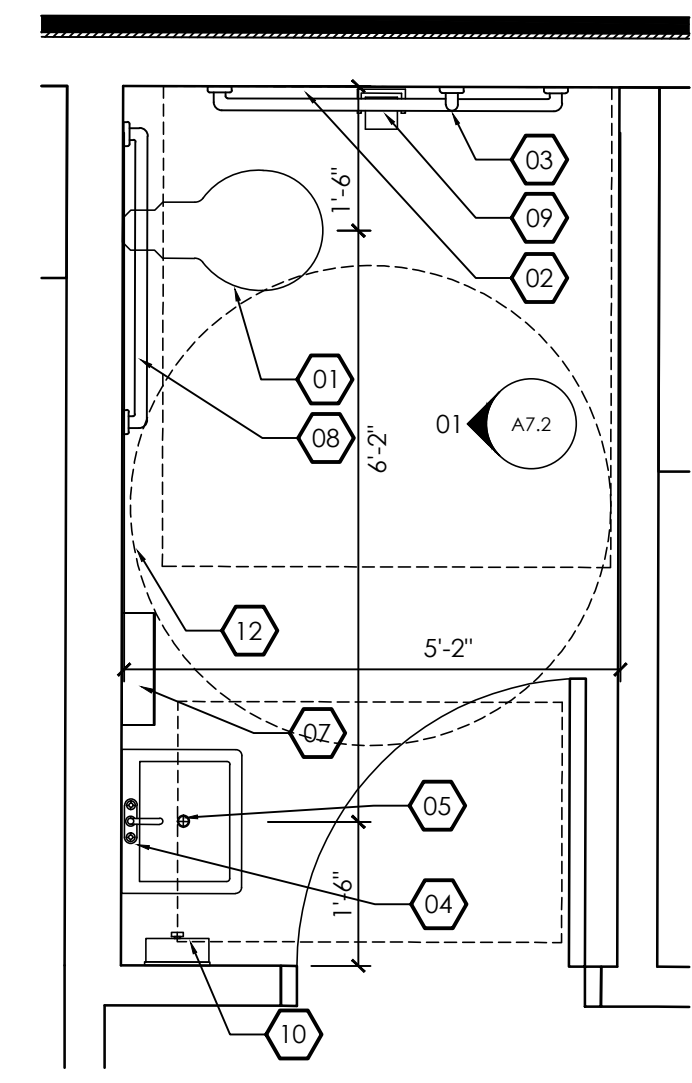
DRAWING NO. A7.2



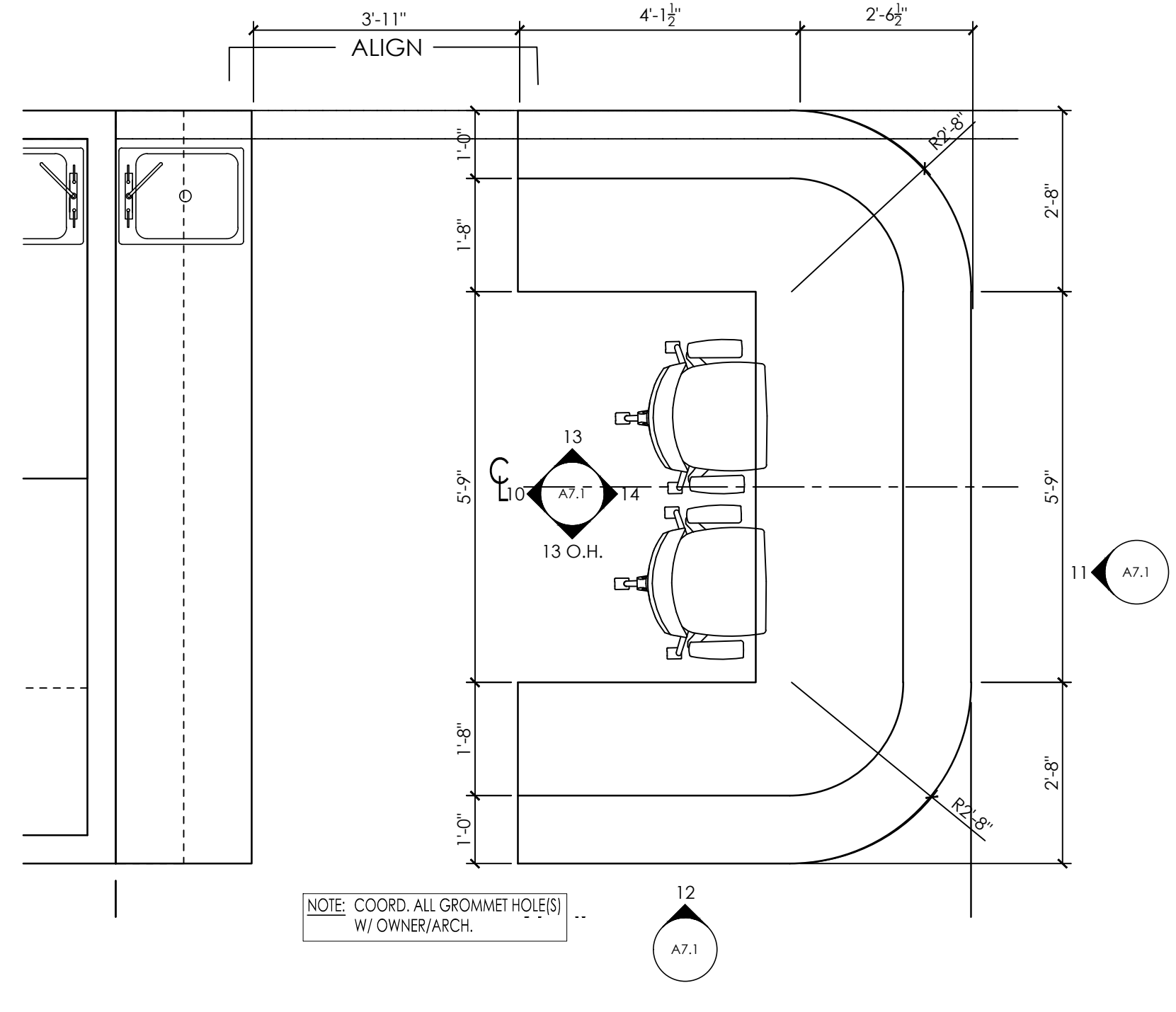


TOILET ACCESSORY LEGEND

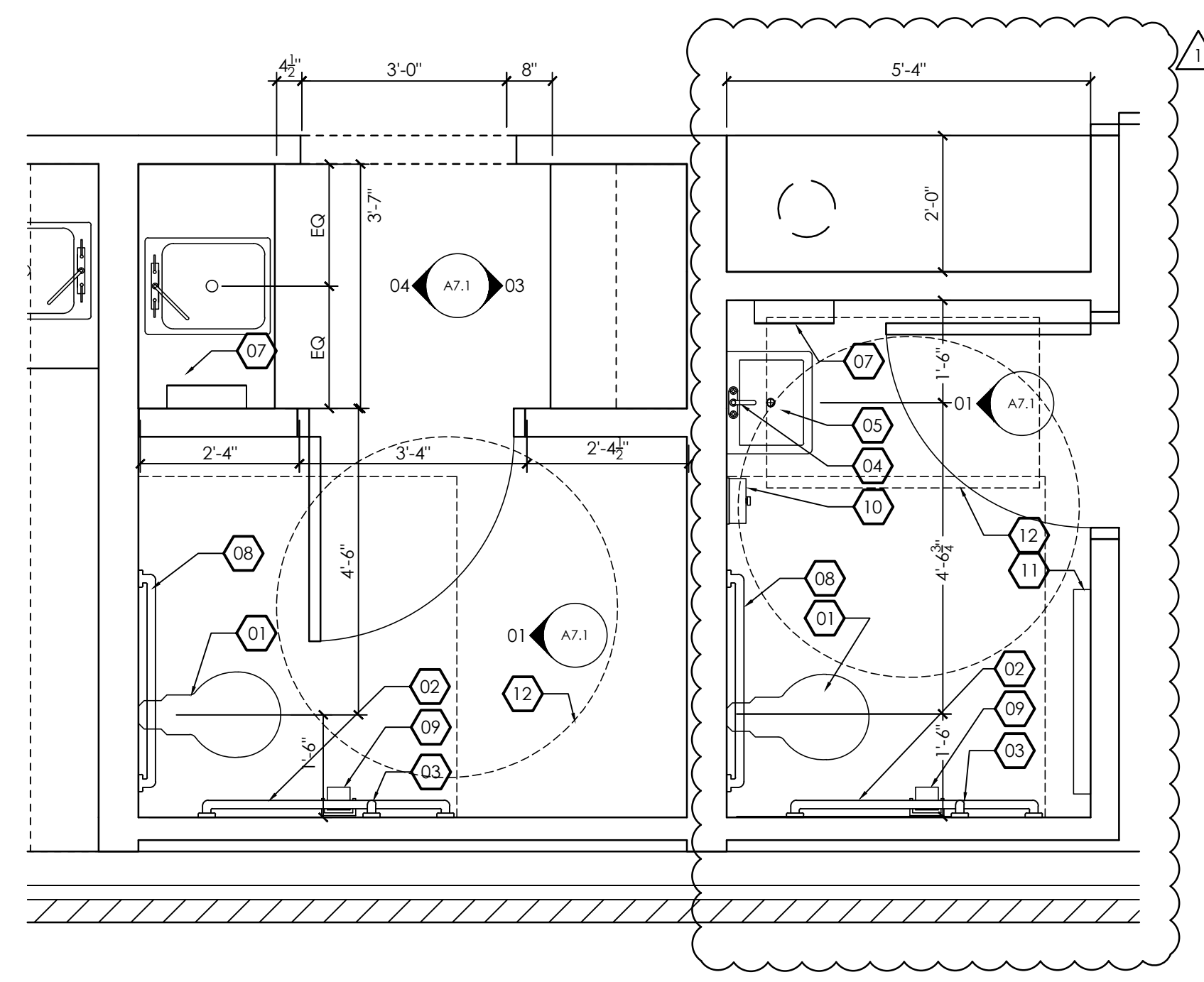
01	TOILET:	SEE PLUMBING
02	42" GRAB BAR:	STAINLESS STEEL FRAMED, 1-1/2" INCHES OUTSIDE DIA., W/ SNAP-ON FLANGE COVERS BY AMERICAN SPECIALTIES - SERIES 3800; 1-1/2" INCHES CLEARANCE BETWEEN WALL AND INSIDE OF GRAB BAR.
03	18" VERTICAL GRAB BAR:	STAINLESS STEEL FRAMED, 1-1/2" INCHES OUTSIDE DIA., W/ SNAP-ON FLANGE COVERS BY AMERICAN SPECIALTIES - SERIES 3800; 1-1/2" INCHES CLEARANCE BETWEEN WALL AND INSIDE OF GRAB BAR.
04	MIRROR:	AMERICAN SPECIALTIES MODEL 0600 - MOUNT BOTTOM @ 40 MAX A.F.F.
05	WALL MOUNTED SINK:	SEE PLUMBING
07	PAPER TOWEL UNIT:	C.F.C.I. FROM HOME DEPOT OR LOWES VENDOR SURFACE MOUNTED PAPER TOWEL DISPENSER
08	36" GRAB BAR:	STAINLESS STEEL FRAMED, 1-1/2" INCHES OUTSIDE DIA., W/ SNAP-ON FLANGE COVERS BY AMERICAN SPECIALTIES - SERIES 3800; 1-1/2" INCHES CLEARANCE BETWEEN WALL AND INSIDE OF GRAB BAR.
09	TOILET PAPER DISPENSER:	SURFACE MOUNTED DOUBLE ROLL TOILET PAPER HOLDER C.F.C.I. FROM HOME DEPOT OR LOWES VENDOR MOUNT @ 24" A.F.F.
10	SOAP DISPENSER: (BY OWNER)	O.F.C.I.
11	DIAPER CHANGING STATION:	SURFACE MOUNTED DIAPER CHANGING STATION.
12	ADA CLEARANCES	



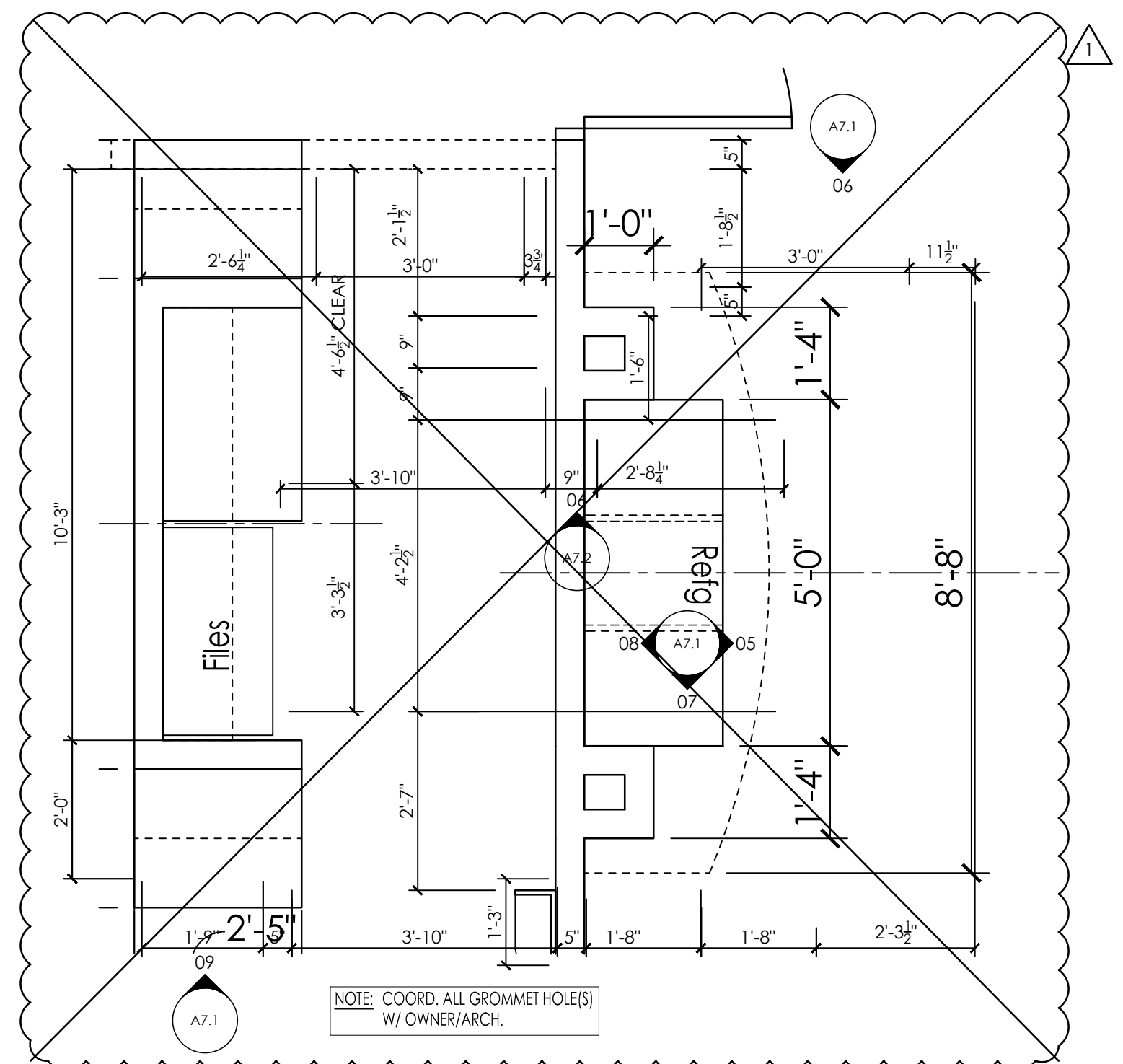
04 ENLARGED PLAN @ RESTROOM  
A7.4 SCALE: 1/2" = 1'-0"



03 ENLARGED PLAN @ NURSE'S STATION  
A7.4 SCALE: 1/2" = 1'-0"



02 ENLARGED PLAN @ RESTROOM & DRUG SCREEN  
A7.4 SCALE: 1/2" = 1'-0"



01 ENLARGED PLAN @ RECEPTION DESK  
A7.4 SCALE: 1/2" = 1'-0"



James m. huckestein architect, AIA

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A New Building For:

# MainStreet

FAMILY URGENT CARE

Cameron, NC 28326

RELEASES / DESCRIPTION / DATES	
OWNER CHANGES	10.18.23

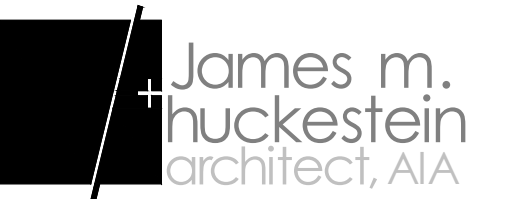
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RELEASED FOR CONSTRUCTION	<input checked="" type="checkbox"/>
DATE	08.01.2023
DRAWN	MEH
CHECKED	ENH
APPROVED	H+HA

PROJECT NUMBER 23001.06

SHEET TITLE ENLARGED FLOOR PLANS

DRAWING NO. A7.4





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A New Building For:

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FAMILY URGENT CARE

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RELEASES / DESCRIPTION / DATES


NOT FOR CONSTRUCTION   
RELEASED FOR CONSTRUCTION

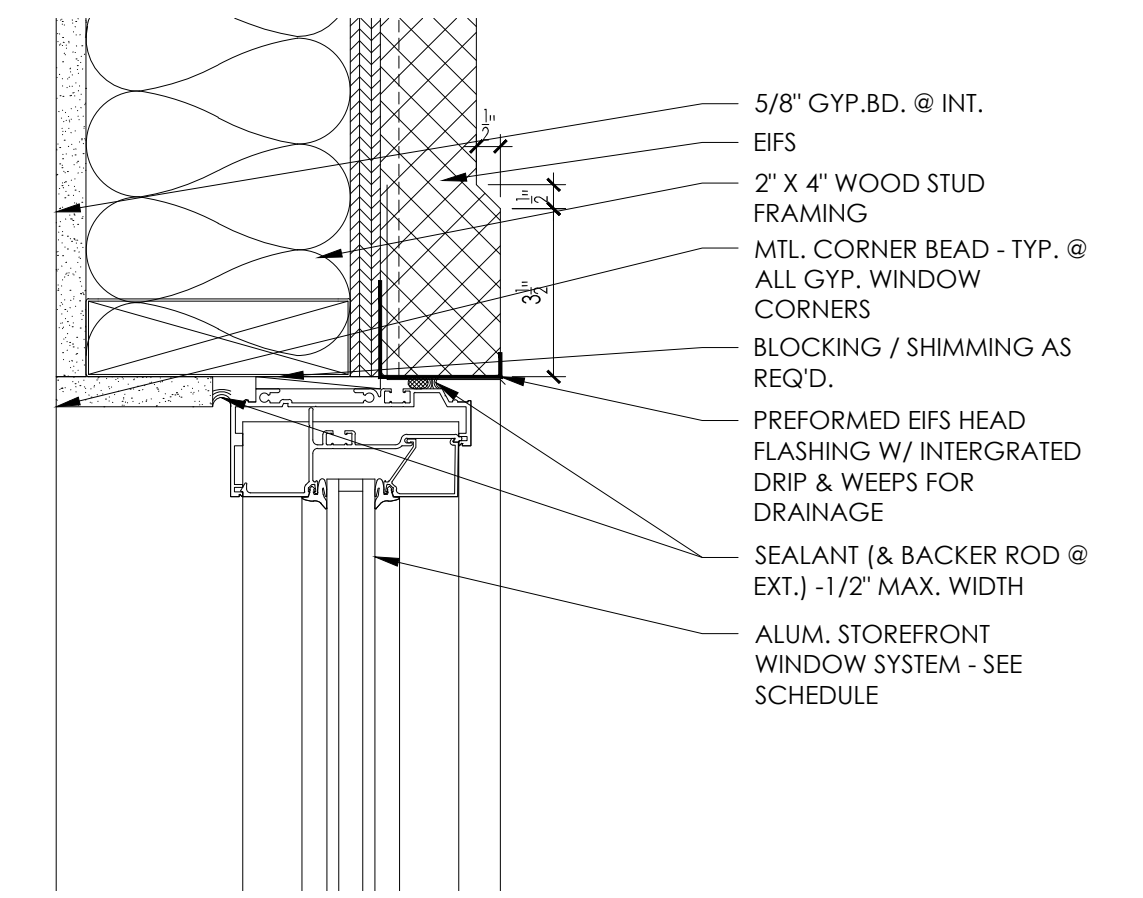
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APPROVED H+HA

PROJECT NUMBER 23001.06

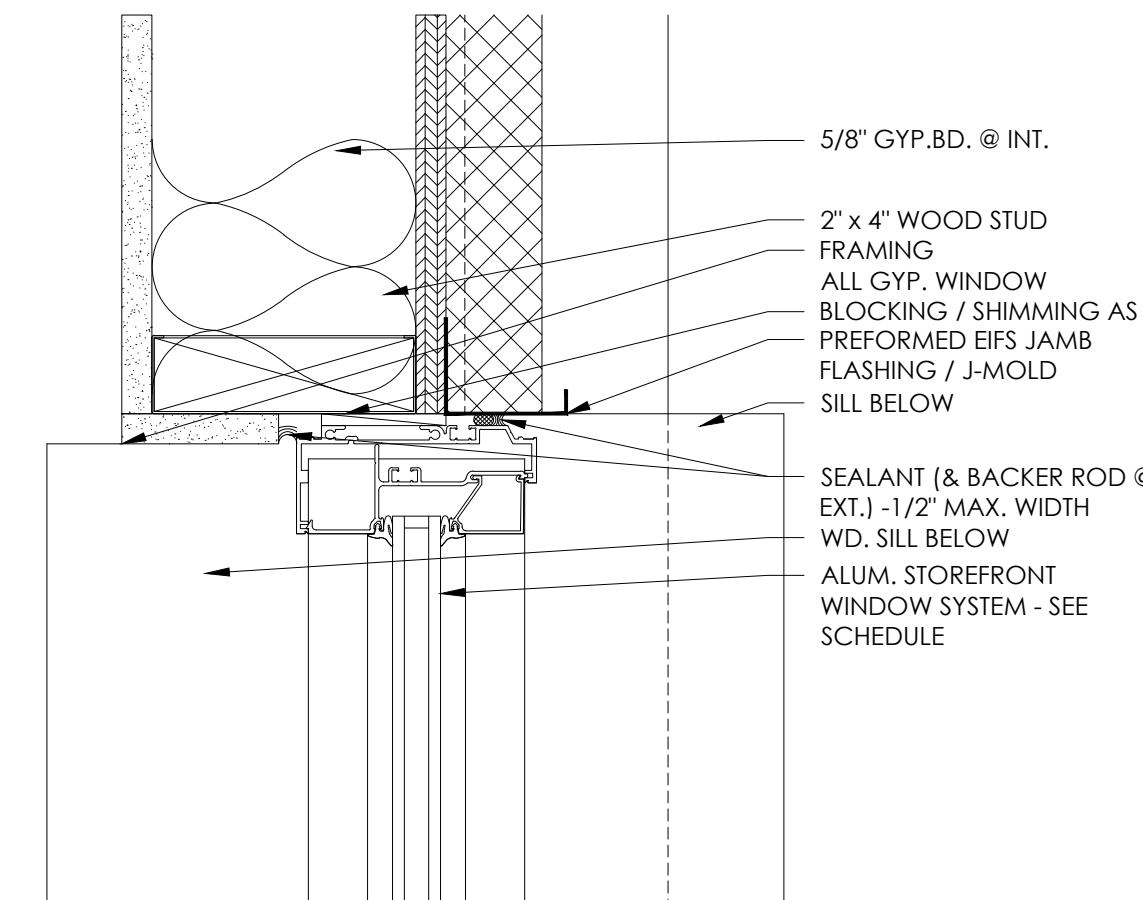
SHEET TITLE  
DOOR & WINDOW SCHEDULES

DRAWING NO.

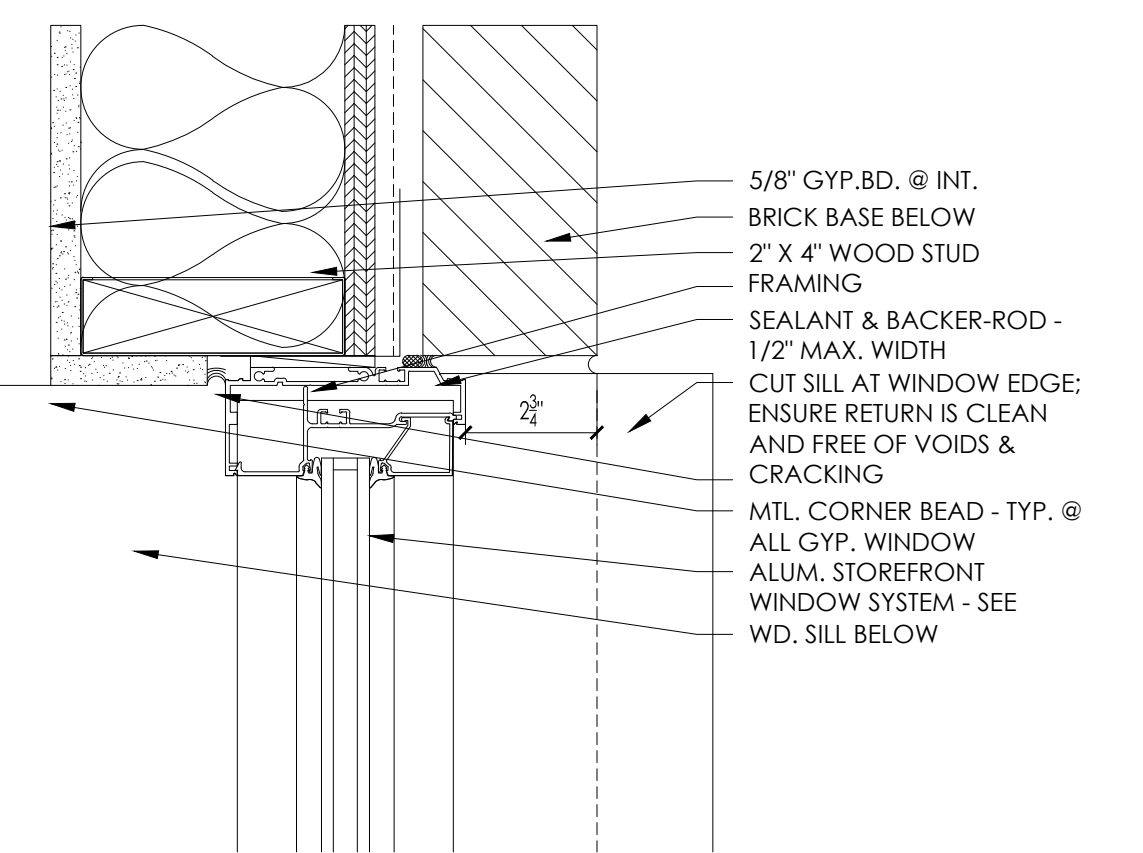
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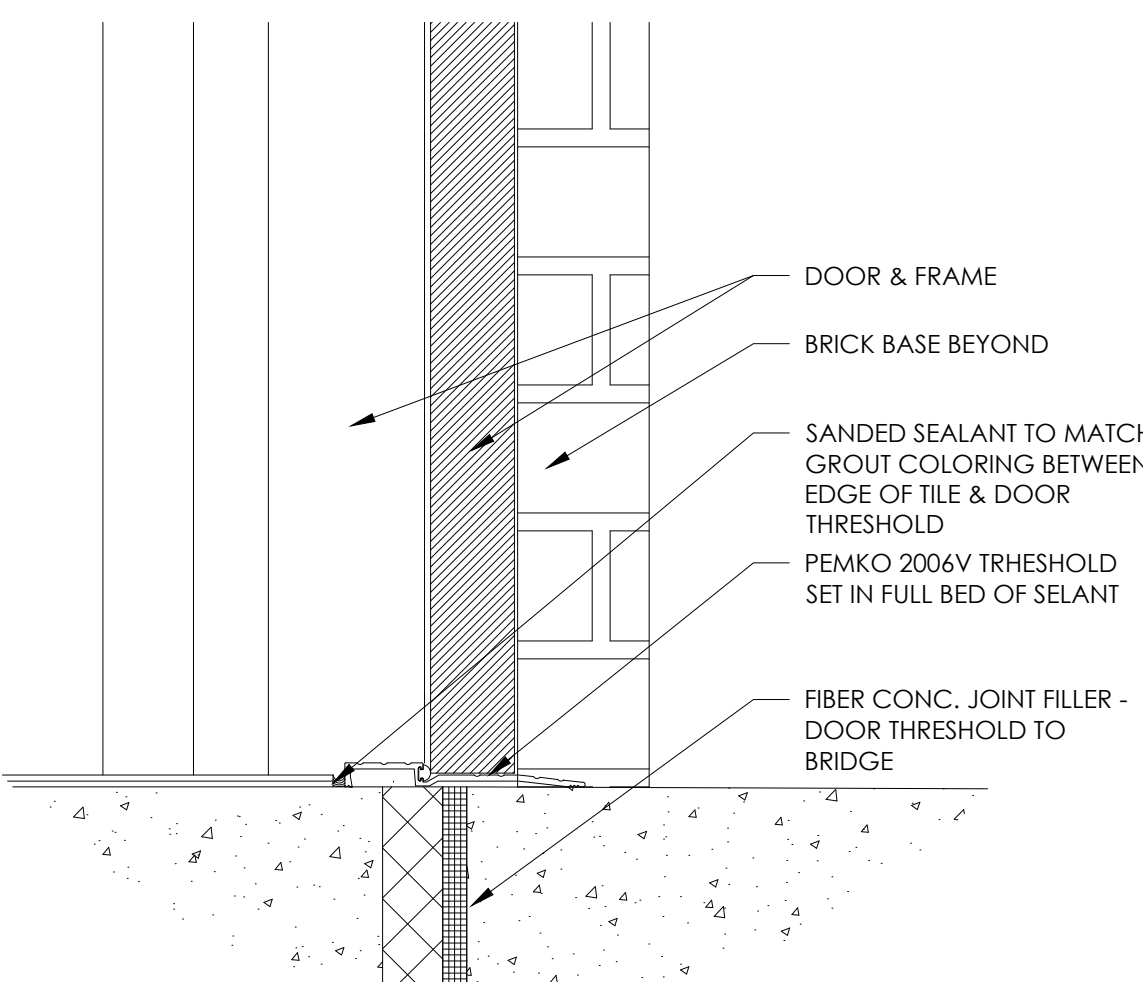
04 ALUM. STOREFRONT WIN. HEAD @ EIFS  
A8.1 SCALE: 3" = 1'-0"



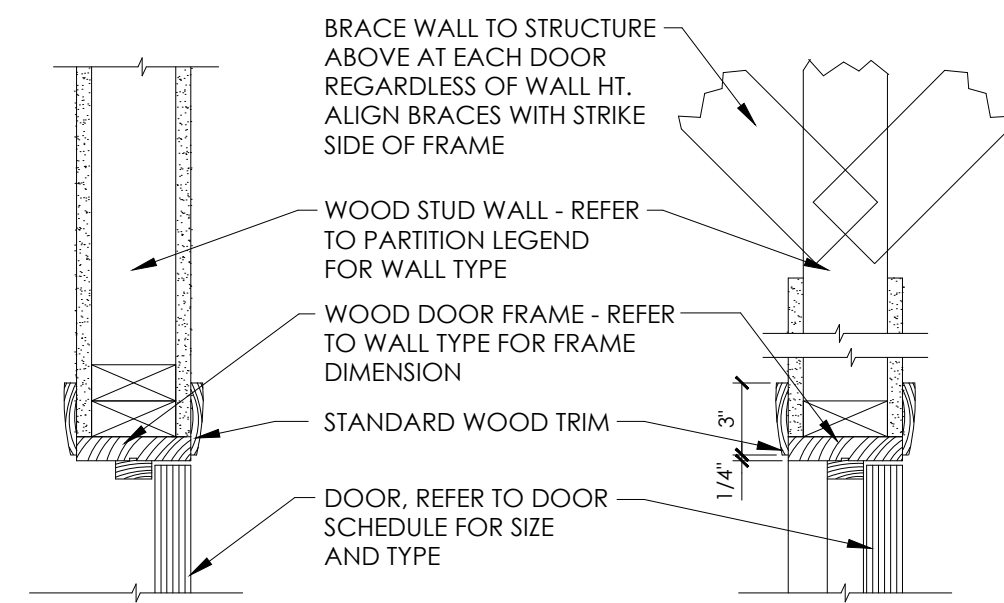
03 ALUM. STOREFRONT WIN. JAMB @ EIFS  
A8.1 SCALE: 3" = 1'-0"



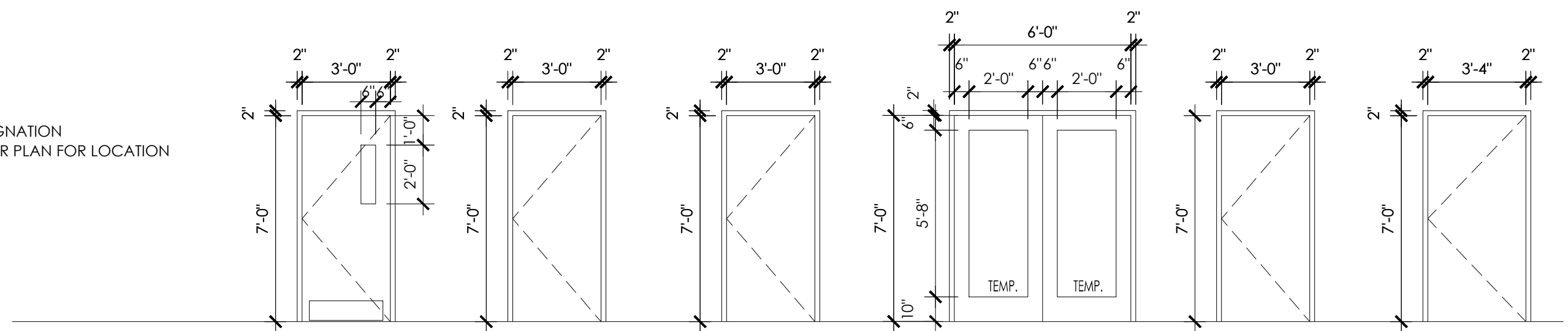
02 ALUM. STOREFRONT WIN. JAMB @ BRICK BASE  
A8.1 SCALE: 3" = 1'-0"



01 DOOR SILL  
A8.1 SCALE: 3" = 1'-0"



05 HEAD AND JAMB DETAIL @ INTERIOR  
A8.1 SCALE: 1-1/2" = 1'-0"

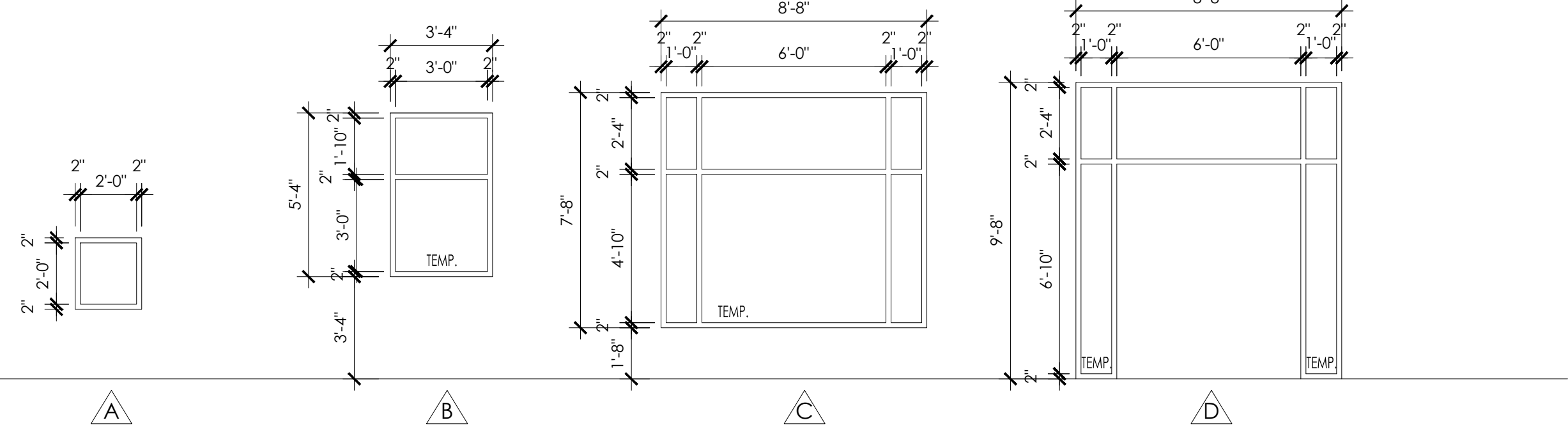


DOOR TYPE	LOCK SET DESIGNATION	REFER TO FLOOR PLAN FOR LOCATION
A	01	3'-0" x 7'-0" SCWD H.M. N/A TEMPERED
B	01	3'-0" x 7'-0" SCWD H.M. N/A
C	01	3'-0" x 7'-0" SCWD H.M. N/A
D	01	6'-0" x 7'-0" ALUM. ALUM. N/A TEMPERED
E	01	3'-0" x 7'-0" INSULATED METAL DOOR H.M. N/A
F	01	3'-4" x 7'-0" SCWD H.M. N/A

NOTE: DOOR HARDWARE FINISH TO BE CHROME.  
NOTE: COORDINATE KEYING REQUIREMENTS W/ OWNER PRIOR TO ORDERING HARDWARE.  
NOTE: G.C. TO CONFIRM LEAD REQUIREMENTS FOR X-RAY DOOR.  
NOTE: ALL DOORS WITH CLOSERS TO RECEIVE STAINLESS STEEL KICK PLATES.

ALL INTERIOR DOORS TO RECEIVE:  
• (3) HINGES LEVER, FLOOR / WALL STOP, SILENCERS  
• PROVIDE CLOSER @ ALL RESTROOM DOORS, EXTERIOR DOORS & (2) INTERIOR DOORS @ RECEPTION

**DOOR SCHEDULE**  
SCALE: 1/4" = 1'-0"



NOTE: G.C. TO VERIFY LEAD REQUIREMENTS FOR X-RAY WINDOW ROUGH OPG. 25-1/2' SQ.

NOTE: GLAZING TO BE TEMPERED WHERE REQUIRED BY CODE ALL ALUM. STOREFRONT TO BE DK. BRONZE ANODIZED.

**WINDOW SCHEDULE**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

1. ANY OMISSIONS OR DISCREPANCIES BETWEEN PLANS AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO CONSTRUCTION.
2. CONSTRUCTION METHODS, PROCEDURES AND SEQUENCES ARE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL TAKE ALL THE NECESSARY MEANS TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION.
3. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH DRAWINGS OF OTHER TRADES, INCLUDING VENDOR SHOP DRAWINGS. CONTRACTOR SHALL COORDINATE AND NOTIFY ARCHITECT OR ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

**DESIGN CRITERIA:**

**1. CODES & SPECIFICATIONS:**

INTERNATIONAL BUILDING CODE 2018 EDITION  
 ACI 318-14 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE'  
 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION  
 TP1 1-2014

**2. DESIGN LOADS**

**WIND LOADING**  
 BASIC WIND SPEED (Vu) - 116 MPH (Vasd) WIND SPEED = 89 MPH  
 WIND EXPOSURE - B  
 RISK CATEGORY - II  
 INTERNAL PRESSURE COEFF. = +/- 0.18

**LIVE LOADS**  
 FLOOR LIVE LOAD - 100 PSF  
 ROOF LOAD (NON-REDUCIBLE) - 20 PSF  
 GROUND SNOW LOAD - 10 PSF

**SEISMIC LOADING**  
 Ss = .150  
 S1 = .071  
 RISK CATEGORY = II  
 SITE CLASS = D  
 SDS = 0.160  
 SD1 = 0.113  
 SEISMIC DESIGN CATEGORY - B  
 SEISMIC RESPONSE COEFF. (Cs) - .025  
 DESIGN BASE SHEAR, (V) - 3.9 KIPS  
 RESPONSE MODIFICATION FACTOR - 6.5  
 ANALYSIS PROCEDURE - EQUIVALENT LATERAL FORCE

**SITE & FOUNDATIONS:**

1. FOUNDATION DESIGN IS BASED ON AN ASSUMED ALLOWABLE BEARING PRESSURE OF 2000 PSF. GENERAL CONTRACTOR SHALL ENGAGE A GEOTECHNICAL ENGINEER TO VERIFY ASSUMED PRESSURE AND PROVIDE WRITTEN DOCUMENTATION TO THE ENGINEER OF RECORD.
2. STEP FOOTINGS AS REQUIRED TO CLEAR PLUMBING UTILITIES.

**REINFORCING STEEL & CONCRETE**

1. ALL CONCRETING METHODS SHALL COMPLY WITH ACI STANDARDS.
2. ALL REINFORCING DETAILING TO BE IN ACCORDANCE WITH ACI DETAILING MANUAL SP-66
3. CONCRETE PROPERTIES:  
 USE .....DESIGN STRENGTH  
 FOOTINGS .....3000 PSI  
 SLAB ON GRADE.....4000 PSI
4. REINFORCING BARS: ASTM A615 GRADE 60
5. ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE UNLESS NOTED.
6. ALL REINFORCING MARKED CONTINUOUS SHALL BE SPLICED WITH CLASS "B" TENSION LAP, UNLESS NOTED.
7. WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.
8. SLAB ON GRADE IS 4", UNLESS NOTED. SLABS ARE TO BE PLACED ON 15 MIL PVC VAPOR BARRIER OVER 4" OF POROUS FILL. REINFORCE SLABS WITH 6X6 W1.4XW1.4 WWF 2" FROM TOP OF SLAB.
9. SEE ARCHITECTURAL PLANS FOR FLOOR SLOPES AND DRAINS.

SCHEDULE OF SPECIAL INSPECTION SERVICES	SERVICE	EXTENT
<b>1704.4 CONCRETE CONSTRUCTION</b>		
INSPECTION OF REINFORCING STEEL INSTALLATION	FIELD INSPECTION	PERIODIC
INSPECTION OF CAST-IN-PLACE BOLTS	FIELD INSPECTION	CONTINUOUS
VERIFICATION OF REQUIRED DESIGN MIX	REVIEW SUBMITTALS	PERIODIC
FRESH CONCRETE SAMPLING	FIELD TESTING	CONTINUOUS
CONCRETE PLACEMENT	FIELD REVIEW	CONTINUOUS
CONCRETE CURING OPERATIONS	FIELD REVIEW	PERIODIC
EVALUATION OF CONCRETE STRENGTH	FIELD TESTING AND REVIEW	
<b>1704.6 STRUCTURAL WOOD</b>		
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN-PLANT REVIEW	PERIODIC
INSPECTION OF NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS	SHOP AND FIELD INSPECTION	PERIODIC
ROOF DIAPHRAGM & SHEAR WALLS	FIELD INSPECTION	PERIODIC
<b>1704.7 SOILS</b>		
VERIFY SITE PREPARATION COMPLIES WITH APPROVED SOILS REPORT.	FIELD INSPECTIONS	CONTINUOUS
VERIFY PLACEMENT AND COMPACTION OF FILL MATERIALS COMPLIES WITH APPROVED SOILS REPORT.	FIELD INSPECTION	CONTINUOUS
VERIFY DRY-DENSITY OF COMPACTED FILL COMPLIES WITH APPROVED SOILS REPORT.	REVIEW FIELD TESTING	CONTINUOUS

NOTE: THE INSPECTION AND TESTING AGENTS SHALL BE ENGAGED BY THE OWNER OR THE OWNERS AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE INSPECTION AGENT MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. SPECIAL INSPECTIONS REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

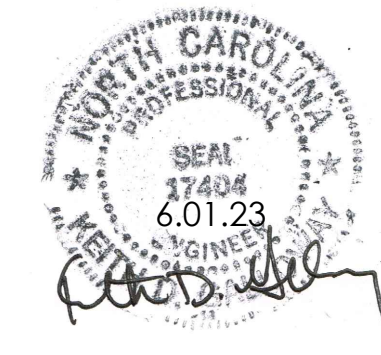
**STRUCTURAL LUMBER**

1. MATERIALS:  
 A. STUDS: SOUTHERN YELLOW PINE #2 OR APPROVED EQUAL.  
 B. SPECIFICATIONS: UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION SHALL BE GOVERNED BY THE LATEST EDITION OF:  
 A. NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENINGS.  
 B. U.S. PRODUCT STANDARD PS-1 FOR SOFTWOOD PLYWOOD - CONSTRUCTION AND INDUSTRIAL.
2. CONNECTIONS:  
 A. JOISTS TO BEAMS - 16 GAGE GALVANIZED STANDARD JOIST HANGERS, UNLESS NOTED OTHERWISE.  
 B. PLYWOOD TO ROOF TRUSSES OR RAFTERS - NAILED - USE 8d RING SHANK NAILS AT 6" O.C. AT EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. PROVIDE PLYWOOD CLIPS AT MID SPAN OF PLYWOOD BETWEEN SUPPORTS.
4. ALL STRUCTURAL WOOD TO BE SURFACED FOUR (4) SIDES (S4S) AND MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
5. ALL LUMBER AND PLYWOOD IN CONTACT WITH CONCRETE, STUCCO, MASONRY OR OTHER CEMENTITIOUS MATERIALS SHALL BE TREATED WITH AN E.P.A. ACCEPTABLE WOOD PRESERVATIVE (SUCH AS "AQC" - ALKALINE-COPPER-QUATERNARY OR "CBA-A" - COPPER AZOLE TYPE A & B).
6. ALL WOOD CONNECTIONS SHALL BE GALVANIZED STEEL OR RUST PROOF PAINTED STEEL (U.O.N.). ALL GALVANIZED METAL CONNECTIONS IN CONTACT WITH TREATED WOOD (ITEM #5) SHALL BE "TRIPLE-ZINC G-185" GALVANIZED. ANY FIELD WELDS (INTERIOR OR EXTERIOR) OF SUCH CONNECTIONS SHALL BE WIRE BRUSHED CLEAN AND RUST PROOF PAINTED.
7. MISCELLANEOUS:  
 A. USE ONE LINE OF SOLID BLOCKING OR CROSS BRIDGING AT 8'-0" O.C. MAX. FOR ALL JOISTS AND RAFTERS. USE SOLID BLOCKING AT JOISTS AND RAFTER BEARING.  
 B. USE SOLID BLOCKING AT MID-HEIGHT FOR ALL EXTERIOR STUD WALLS AND INTERIOR BEARING PARTITIONS.  
 C. USE DOUBLE STUDS UNDER BEAM AND LINTEL BEARING, UNLESS SHOWN OTHERWISE.

**PRE-FABRICATED WOOD TRUSSES**

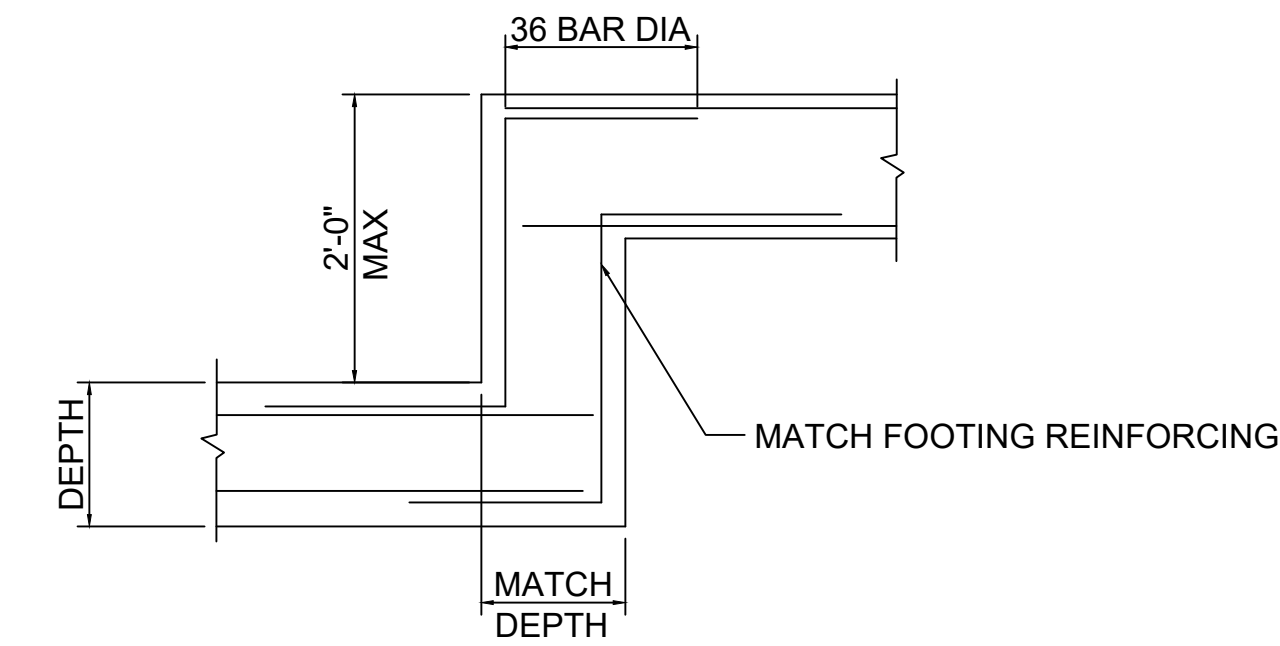
1. MATERIALS:  
 A. LUMBER: SEE "STRUCTURAL LUMBER" SECTION FOR WOOD INFORMATION.  
 B. METAL CONNECTOR PLATES: GALVANIZED SHEET STEEL ASTM A446 (LATEST EDITION) GRADE "A". COATING CLASS G60 PER ASTM A525 (LATEST EDITION). MANUFACTURED HOLES, PLUGS, TEETH OR PRONGS UNIFORMLY SPACED AND FORMED. SEE "STRUCTURAL LUMBER" SECTION GALVANIZED CONNECTIONS FOR TREATED WOOD.
2. DESIGN CRITERIA:  
 A. LOADING  
 TOP CHORD LIVE LOAD = 20 PSF  
 SNOW LOAD (30 PSF GROUND SNOW LOAD) + DRIFT LOADING  
 TOP CHORD DEAD LOAD = 10 PSF + MECHANICAL EQUIPMENT  
 BOTTOM CHORD DEAD LOAD = 10 PSF (USE 3 PSF WHEN COMBINED WITH WL)  
 NET WIND UPLIFT = 16 PSF (MIN)  
 B. DESIGN OF MEMBERS AND CONNECTIONS TO BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA AND RETAINED BY THE TRUSS MANUFACTURER.  
 C. SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA AND SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.  
 D. MEMBER SIZES SHOWN ARE MINIMUM SIZES.  
 E. MAXIMUM LIVE LOAD DEFLECTION IS TO BE L/360.  
 F. MAXIMUM TOTAL LOAD DEFLECTION IS TO BE L/240.  
 3. MISCELLANEOUS:  
 A. BOLT TOP CHORDS OF ALL MULTIPLE MEMBER TRUSSES TOGETHER WITH 1/2" DIAMETER BOLTS AT 4'-0" O.C. BOLT WEB MEMBERS TOGETHER WITH 1/2" DIAMETER BOLTS AT 2'-0" O.C. AT CONCENTRATED LOADS, UNLESS OTHERWISE SPECIFIED BY THE TRUSS MANUFACTURER.  
 B. VERIFY ALL DIMENSIONS, ELEVATIONS AND SLOPES PRIOR TO MANUFACTURING. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT.  
 C. WOOD TRUSSES SHALL BE DESIGNED AND FABRICATED TO CONFORM TO THE GEOMETRY SHOWN ON THE DRAWINGS. WEB CONFIGURATIONS ARE TO BE DETAILED AS REQUIRED

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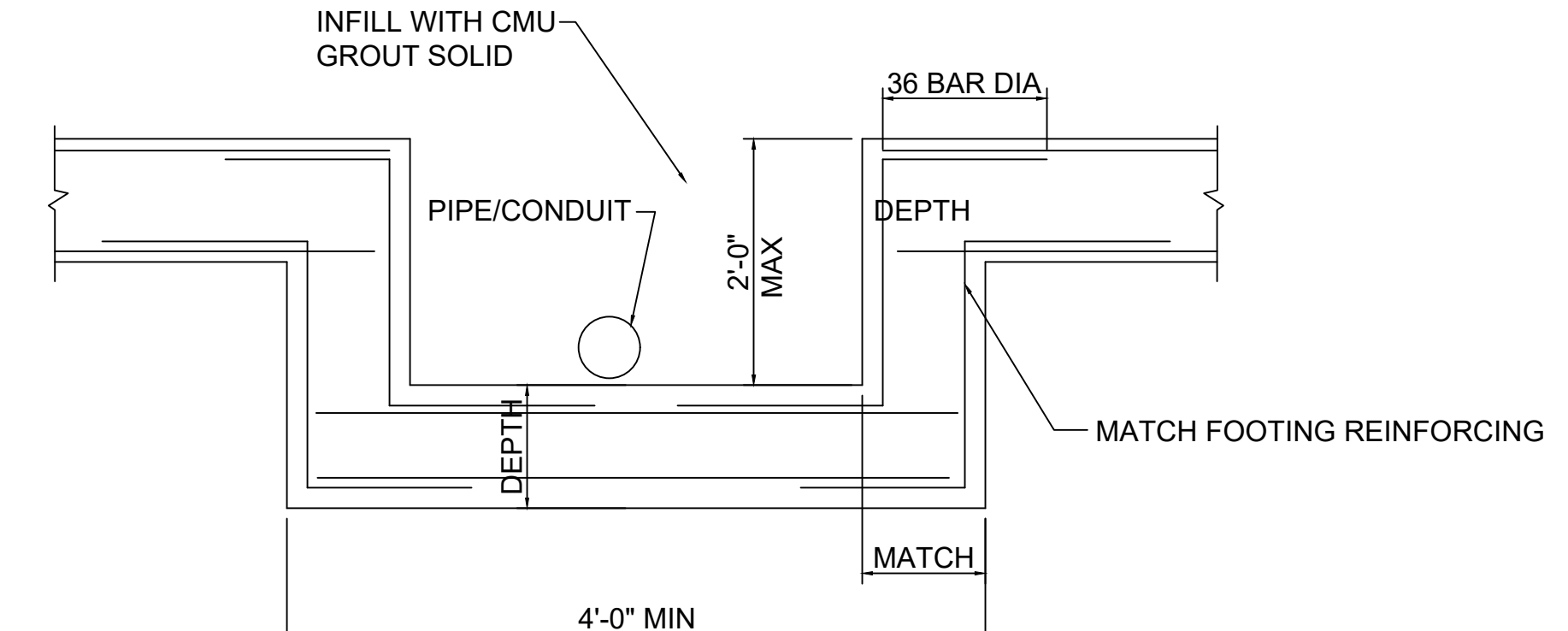


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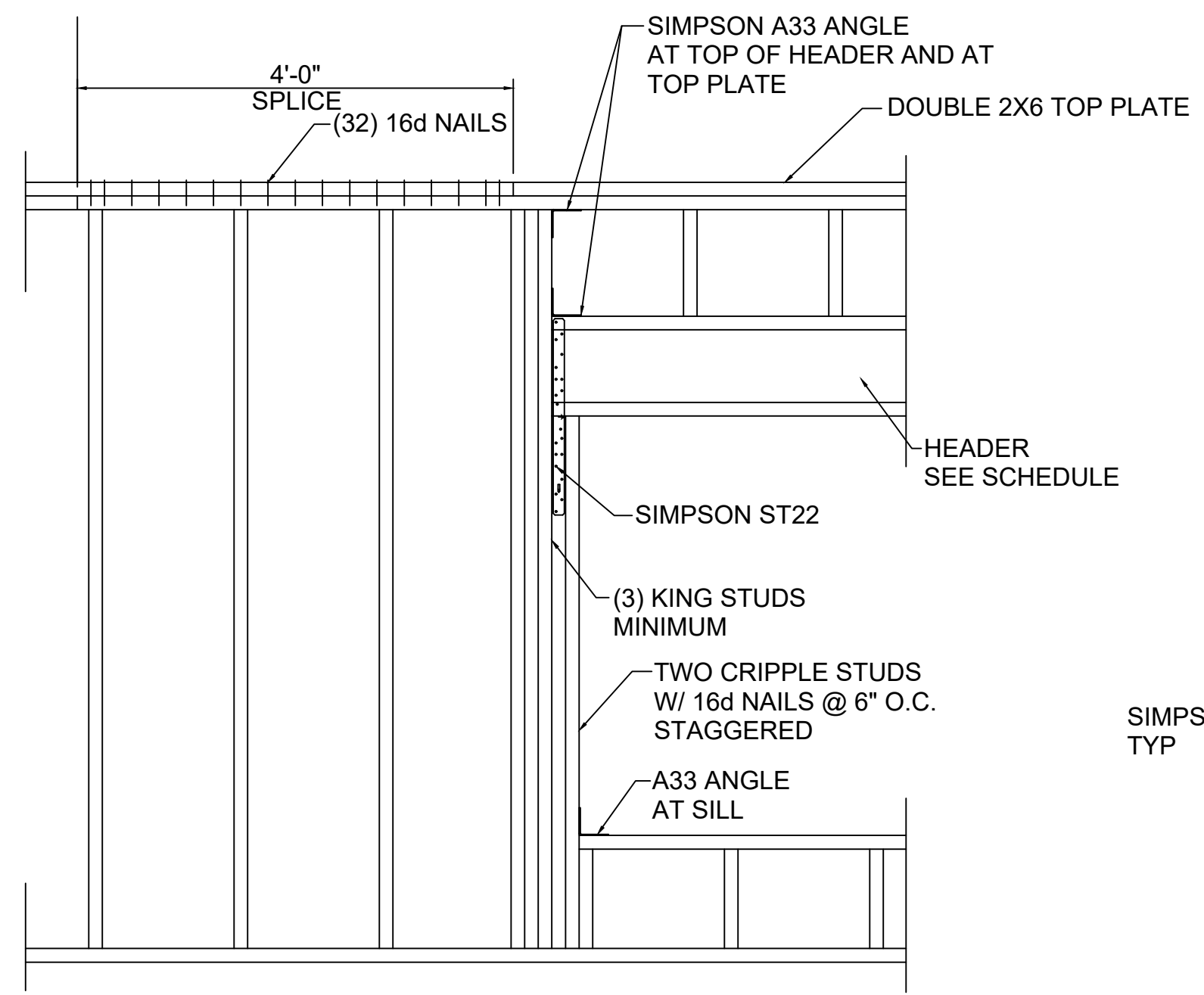


**FOOTING STEP DETAIL**

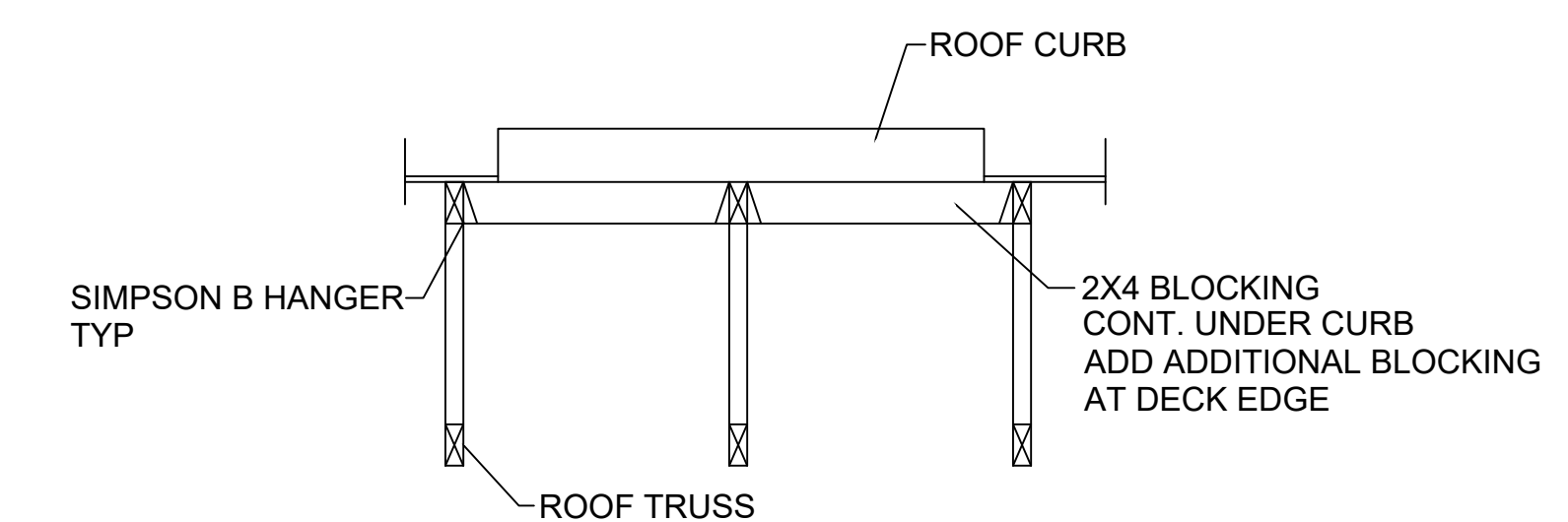


**FOOTING STEP DETAIL @ UTILITIES**

BAR SIZE	CONCRETE		
	CMU f <sub>m</sub> =1500	f <sub>c</sub> =3000	f <sub>c</sub> =4000
#3	19"	28"	25"
#4	34"	38"	33"
#5	45"	47"	41"
#6	54"	56"	49"
#7	63"	81"	71"
#8	72"	93"	81"



**TYPICAL FRAMING DETAIL AT LOAD BEARING WALLS**  
 NOTE: MINIMUM HEADER SIZE - DOUBLE 2X12



**ROOF CURB SUPPORT DETAIL**

ROOF OPENING DETAIL SIMILAR-PROVIDE 2X4 BLOCKING AROUND PERIMETER OF OPENING. ATTACH ALL BLOCKING WITH SIMPSON JOIST HANGERS

A New Building For:

**MainStreet**  
 FAMILY URGENT CARE

Cameron, NC 28326

RELEASES / DESCRIPTION / DATES

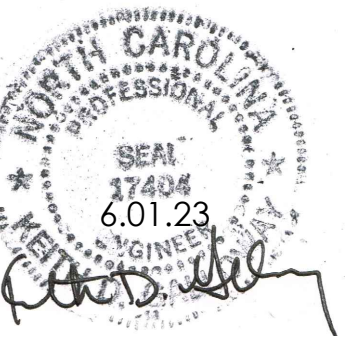
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DATE 06.01.2023  
 DRAWN KDG  
 CHECKED KDG  
 APPROVED H+HA

PROJECT NUMBER 23001.06

SHEET TITLE GENERAL NOTES & DETAILS

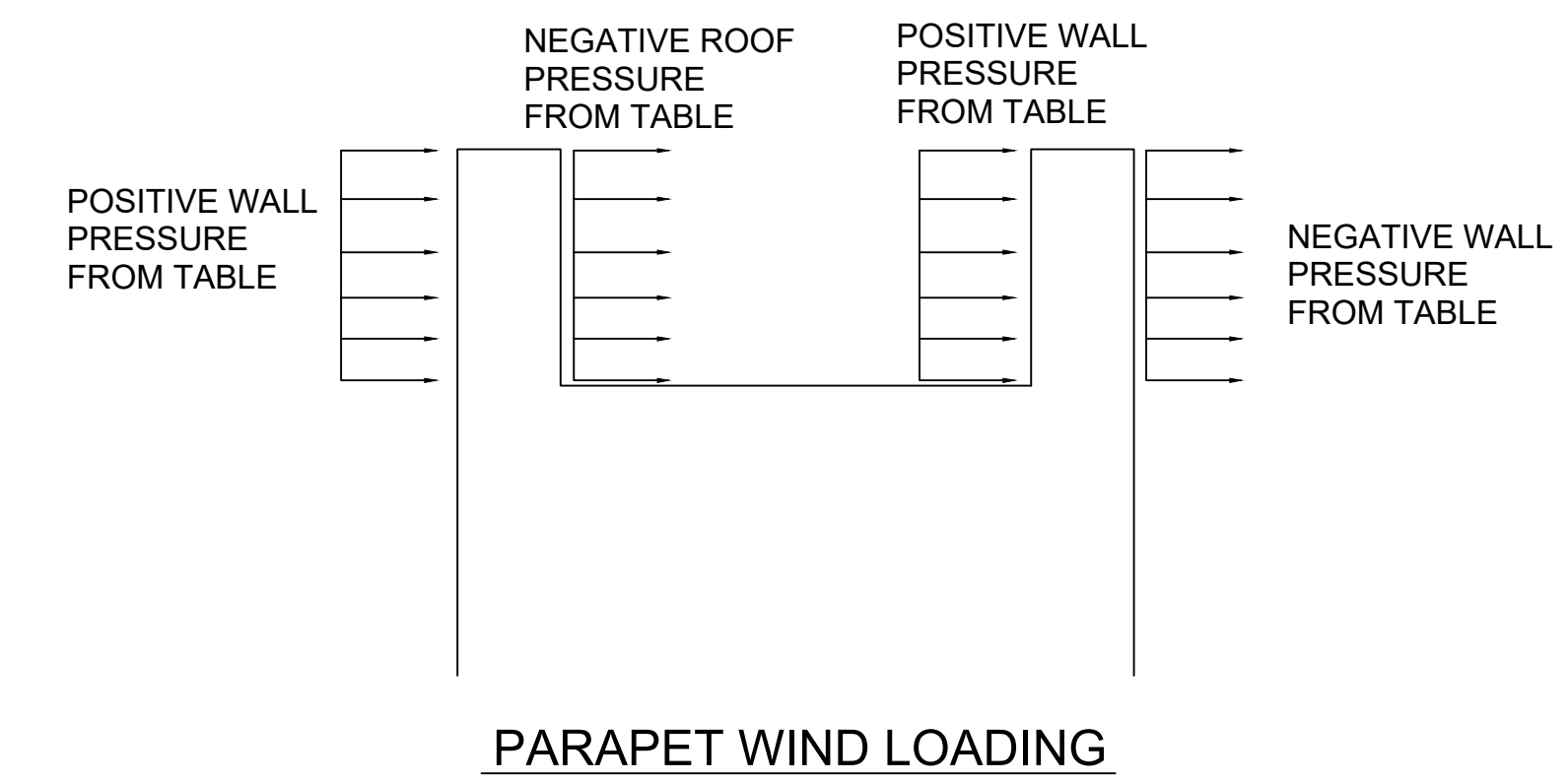
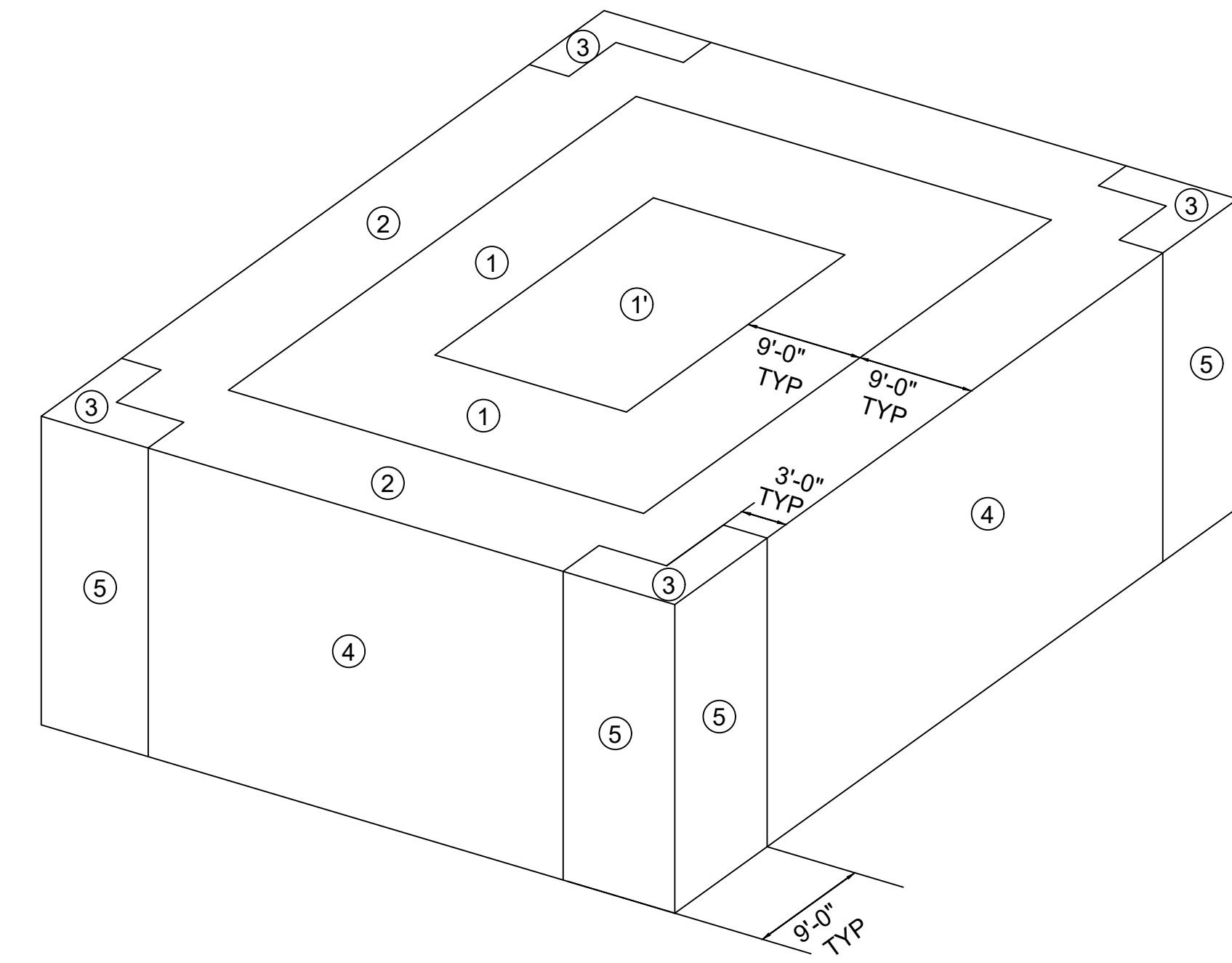
DRAWING NO. **S1.0**



architecture . planning . interior design

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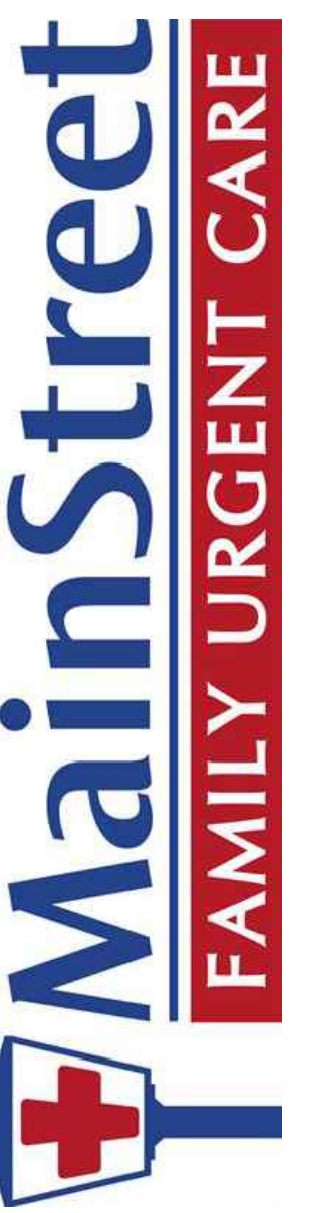
COMPONENTS & CLADDING WIND PRESSURES			
ZONE	EFFECTIVE WIND AREA (SF)	NET DESIGN WIND PRESSURE (PSF)	
4	10	25.9	-28.1
4	20	24.7	-26.9
4	50	23.2	-25.4
4	100	22.0	-24.2
5	10	25.9	-34.7
5	20	24.7	-32.4
5	50	23.2	-29.3
5	100	22.0	-26.9
1	10	16.0	-41.3
1	20	16.0	-38.5
1	50	16.0	-34.9
1	100	16.0	-32.2
1'	10	16.0	-23.7
1'	20	16.0	-23.7
1'	50	16.0	-23.7
1'	100	16.0	-23.7
2	10	16.0	-54.4
2	20	16.0	-50.9
2	50	16.0	-46.3
2	100	16.0	-42.8
3	10	16.0	-74.2
3	20	16.0	-67.2
3	50	16.0	-57.9
3	100	16.0	-50.9



**WIND PRESSURES FOR COMPONENTS & CLADDING**

RISK CATEGORY: II  
 BASIC WIND SPEED: 116 MPH  
 EXPOSURE: B  
 Kzt = 1.0  
 H = 15'-0"  
 HEIGHT ADJUSTMENT FACTOR = 0.82

A New Building For:



Cameron, NC 28326

RELEASES / DESCRIPTION / DATES

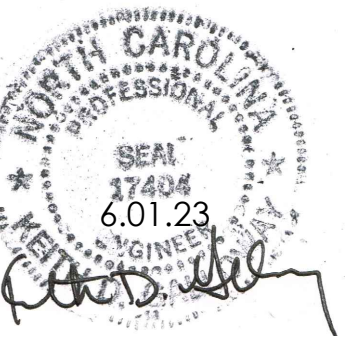

NOT FOR CONSTRUCTION   
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DATE: 06.01.2023  
 DRAWN: KDG  
 CHECKED: KDG  
 APPROVED: H+HA

PROJECT NUMBER: 23001.06

SHEET TITLE: COMPONENTS & CLADDING WIND LOADING

DRAWING NO. **S1.1**



INTERNATIONAL BUILDING CODE  
 2304.10.1 Fastener requirements.

TABLE 2304.9.1 FASTENING SCHEDULE

CONNECTION	FASTENING (a) (m)	LOCATION	CONNECTION	FASTENING (a) (m)	LOCATION
Joist to sill or girder	3 - 8d common (21/2" x 0.131") 3 - 3" x 0.131" nails 3 - 3" 14 gage staples	toenail	Ceiling joists, laps over partitions (see Section 2308.10.4.1, Table 2308.10.4.1)	3 - 16d common (31/2" x 0.162") minimum, Table 2308.10.4.1 4 - 3" x 0.131" nails 4 - 3" 14 gage staples	face nail
Bridging to joist	2 - 8d common (21/2" x 0.131") 2 - 3" x 0.131" nails 2 - 3" 14 gage staples	toenail each end	Ceiling joists to parallel rafters (see Section 2308.10.4.1, Table 2308.10.4.1)	3 - 16d common (31/2" x 0.162") minimum, Table 2308.10.4.1 4 - 3" x 0.131" nails 4 - 3" 14 gage staples	face nail
1" x 6" subfloor or less to each joist	2 - 8d common (21/2" x 0.131")	face nail	Rafter to plate (see Section 2308.10.1, Table 2308.10.1)	3 - 8d common (21/2" x 0.131") 3 - 3" x 0.131" nails 3 - 3" 14 gage staples	toenail
Wider than 1" x 6" subfloor to each joist	3 - 8d common (21/2" x 0.131")	face nail	1" diagonal brace to each stud and plate	2 - 8d common (21/2" x 0.131") 2 - 3" x 0.131" nails 3 - 3" 14 gage staples	face nail
2" subfloor to joist or girder	2 - 16d common (31/2" x 0.162")	blind and face nail	1" x 8" sheathing to each bearing	3 - 8d common (21/2" x 0.131")	face nail
Sole plate to joist or blocking	16d (31/2" x 0.135") at 16" o.c. 3" x 0.131" nails at 8" o.c. 3" 14 gage staples at 12" o.c.	typical face nail	Wider than 1" x 8" sheathing to each bearing	3 - 8d common (21/2" x 0.131")	face nail
Sole plate to joist or blocking at braced wall panel	3 - 16d (31/2" x 0.135") at 16" o.c. 4 - 3" x 0.131" nails at 16" o.c. 4 - 3" 14 gage staples at 16" o.c.	braced wall panels	Built-up corner studs	16d common (31/2" x 0.162") 3" x 0.131" nails 3" 14 gage staples	24" o.c. 16" o.c. 16" o.c.
Top plate to stud	2 - 16d common (31/2" x 0.162") 3 - 3" x 0.131" nails 3 - 3" 14 gage staples	end nail	Built-up girder and beams	20d common (4" x 0.192") 32" o.c. 3" x 0.131" nail at 24" o.c. 3" 14 gage staple at 24" o.c.	face nail at top and bottom staggered on opposite sides
Stud to sole plate	4 - 8d common (21/2" x 0.131") 4 - 3" x 0.131" nails 3 - 3" 14 gage staples 2 - 16d common (31/2" x 0.162") 3 - 3" x 0.131" nails 3 - 3" 14 gage staples	toenail  end nail	2" planks	16d common (31/2" x 0.162")	at each bearing
Double studs	16d (31/2" x 0.135") at 24" o.c. 3" x 0.131" nail at 8" o.c. 3" 14 gage staple at 8" o.c.	face nail	Collar tie to rafter	3 - 10d common (3" x 0.148") 4 - 3" x 0.131" nails 4 - 3" 14 gage staples	face nail
Double top plates	16d (31/2" x 0.135") at 16" o.c. 3" x 0.131" nail at 12" o.c. 3" 14 gage staple at 12" o.c.	typical face nail	Jack rafter to hip	3 - 10d common (3" x 0.148") 4 - 3" x 0.131" nails 4 - 3" 14 gage staples	toenail
Double top plates	8 - 16d common (31/2" x 0.162") 12 - 3" x 0.131" nails 12 - 3" 14 gage staples	lap splice	Rim joist to top plate	2 - 16d common (31/2" x 0.162") 3 - 3" x 0.131" nails 3 - 3" 14 gage staples	face nail
Blocking between joists or rafters to top plate	3 - 8d common (21/2" x 0.131") 3 - 3" x 0.131" nails 3 - 3" 14 gage staples	toenail	Top plates, laps and intersections	2 - 16d common (31/2" x 0.162") 3 - 3" x 0.131" nails 3 - 3" 14 gage staples	face nail
Rim joist to top plate	8d (21/2" x 0.131") at 6" o.c. 3" x 0.131" nail at 6" o.c. 3" 14 gage staple at 6" o.c.	toenail	Continuous header, two pieces	16d common (31/2" x 0.162")	16" o.c. along edge
Top plates, laps and intersections	2 - 16d common (31/2" x 0.162") 3 - 3" x 0.131" nails 3 - 3" 14 gage staples	face nail	Ceiling joists to plate	3 - 8d common (21/2" x 0.131") 5 - 3" x 0.131" nails 5 - 3" 14 gage staples	toenail
Continuous header, two pieces	16d common (31/2" x 0.162")	16" o.c. along edge	Continuous header to stud	4 - 8d common (21/2" x 0.131")	toenail
Ceiling joists to plate	3 - 8d common (21/2" x 0.131") 5 - 3" x 0.131" nails 5 - 3" 14 gage staples	toenail	Ledger strip	3 - 16d common (31/2" x 0.162") 4 - 3" x 0.131" nails 4 - 3" 14 gage staples	face nail
Continuous header to stud	4 - 8d common (21/2" x 0.131")	toenail	Wood structural panels and particleboard (b) Subfloor, roof and wall sheathing (to framing)	1/2" and less 6d (c, 1) 2 3/8" x 0.113" nail (n) 1 3/4" 16 gage (o) 8d (d) or 6d (e) 2 3/8" x 0.113" nail (p) 2" 16 gage staple (p) 7/8" to 1" 8d (c) 11/8" to 11/4" 10d (d) or 8d (e)	
Ledger strip	3 - 16d common (31/2" x 0.162") 4 - 3" x 0.131" nails 4 - 3" 14 gage staples	face nail	Single floor (combination subfloor-underlayment to framing)	3/4" and less 6d (e) 7/8" to 1" 8d (e) 1 1/8" to 1 1/4" 10d (d) or 8d (e)	
Wood structural panels and particleboard (b) Subfloor, roof and wall sheathing (to framing)	1/2" and less 6d (c, 1) 2 3/8" x 0.113" nail (n) 1 3/4" 16 gage (o) 8d (d) or 6d (e) 2 3/8" x 0.113" nail (p) 2" 16 gage staple (p) 7/8" to 1" 8d (c) 11/8" to 11/4" 10d (d) or 8d (e)		Panel siding (to framing)	1/2" or less 6d (f) 5/8" 8d (f)	
Single floor (combination subfloor-underlayment to framing)	3/4" and less 6d (e) 7/8" to 1" 8d (e) 1 1/8" to 1 1/4" 10d (d) or 8d (e)		Fiberboard sheathing (g)	1/2" No. 11 gage roofing nail (h) 6d common nail (2" x 0.113") No. 16 gage staple (i) 25/32" No. 11 gage roofing nail (h) 8d common nail (21/2" x 0.131") No. 16 gage staple (i)	
Panel siding (to framing)	1/2" or less 6d (f) 5/8" 8d (f)		Interior paneling	1/4" 4d (j) 3/8" 6d (k)	
Fiberboard sheathing (g)	1/2" No. 11 gage roofing nail (h) 6d common nail (2" x 0.113") No. 16 gage staple (i) 25/32" No. 11 gage roofing nail (h) 8d common nail (21/2" x 0.131") No. 16 gage staple (i)				
Interior paneling	1/4" 4d (j) 3/8" 6d (k)				

- a. Common or box nails are permitted to be used except where otherwise stated.
- b. Nails spaced at 6 inches on center at edges, 12 inches at intermediate supports except 6 inches at supports where spans are 48 inches or more.  
For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.
- c. Common or deformed shank (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148").
- d. Common (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148").
- e. Deformed shank (6d - 2" x 0.113"; 8d - 2 1/2" x 0.131"; 10d - 3" x 0.148").
- f. Corrosion-resistant siding (6d - 1 7/8" x 0.106"; 8d - 2 3/8" x 0.128") or casing (6d - 2" x 0.099"; 8d - 2 1/2" x 0.113") nail.
- g. Fasteners spaced 3 inches on center at exterior edges and 6 inches on center at intermediate supports, when used as structural sheathing.  
Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications.
- h. Corrosion-resistant roofing nails with 7/16-inch-diameter head and 11/2-inch length for 1/2-inch sheathing and 13/4-inch length for 25/32-inch sheathing.
- i. Corrosion-resistant staples with nominal 7/16-inch crown or 1-inch crown and 11/4-inch length for 1/2-inch sheathing and 1-inch length for 25/32-inch sheathing.  
Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).
- j. Casing (1 1/2" x 0.080") or finish (1 1/2" x 0.072") nails spaced 6 inches on panel edges, 12 inches at intermediate supports.
- k. Panel supports at 24 inches. Casing or finish nails spaced 6 inches on panel edges, 12 inches at intermediate supports.
- l. For roof sheathing applications, 8d nails (2 1/2" x 0.113") are the minimum required for wood structural panels.
- m. Staples shall have a minimum crown width of 7/16 inch.
- n. For roof sheathing applications, fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports.
- o. Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports for subfloor and wall sheathing and 3 inches on center at edges, 6 inches at intermediate supports for roof sheathing.
- p. Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports.

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A New Building For:  
**MainStreet**  
 FAMILY URGENT CARE  
 Cameron, NC 28326

RELEASES / DESCRIPTION / DATES


NOT FOR CONSTRUCTION   
 RELEASED FOR CONSTRUCTION

DATE	06.01.2023
DRAWN	KDG
CHECKED	KDG
APPROVED	H+HA

PROJECT NUMBER 23001.06

SHEET TITLE  
 FASTENING REQUIREMENTS

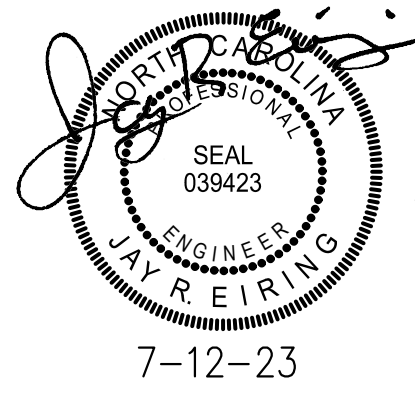
DRAWING NO.  
**S1.2**





**HVAC SPECIFICATIONS**

- THE DRAWINGS ARE DIAGRAMMATIC AND SHOW THE EXTENT OF HVAC WORK ONLY. PROVIDE INCIDENTAL ACCESSORIES, OFFSETS, FITTINGS, ETC., AS REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM. COORDINATE WORK WITH OTHER TRADES. OBTAIN AND PAY FOR ALL CERTIFICATES OF INSPECTION. WORK SHALL BE DONE IN ACCORDANCE WITH STANDARD MECHANICAL AND FIRE CODES AND ALL LOCAL CODES. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIALS USED.
- EQUIPMENT SHALL BE NEW, AND OF THE QUALITY SPECIFIED HEREIN.
- REMOVE EXCESS DEBRIS AND RUBBISH AS THE WORK PROGRESSES. UPON COMPLETION, CLEAN ALL EQUIPMENT AND HVAC SPACES THOROUGHLY.
- ROUTE ALL DUCTWORK PARALLEL TO THE BUILDING WALLS, AND INSTALL WITHOUT DEFORMING THE DUCTWORK. PROVIDE ADEQUATE SUPPORT FOR ALL WORK.
- SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEETMETAL. DUCTWORK SHALL BE FABRICATED AND INSTALLED PER "SMACNA" STANDARDS FOR SHEETMETAL. SUPPLY, RETURN AND OUTSIDE AIR DUCT SHALL BE INSULATED WITH MINIMUM OF 2.3" THICK DUCT WRAP. ALL DUCT JOINTS AND SEAMS SHALL BE SEALED WITH PAINT-ON OR CAULK FLEX-GRIP 550 BY HARDCAST. MINIMUM INSTALLED R-VALUE OF INSULATION TO BE 6.0. ALL DUCTWORK LOCATED IN ATTIC SHALL BE INSULATED WITH MINIMUM 3" DUCT WRAP WITH INSTALLED MINIMUM R-VALUE OF 8.1. ALL DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
- PROVIDE FIRE DAMPERS IN ALL DUCT PENETRATING RATED WALL AND CEILING ASSEMBLIES.
- FLEXIBLE DUCT SHALL BE FABRIC TYPE PRE-INSULATED EQUAL TO FLEXMOLD TYPE WG. PROVIDE SPIN-IN CONNECTORS WITH SCOOPS AND BALANCING DAMPERS AT CONNECTION TO THE SHEETMETAL DUCT. MAXIMUM LENGTH OF FLEXIBLE DUCT RUNS SHALL NOT EXCEED TEN (10) FEET.
- PROVIDE EXTRACTORS AND BALANCING DAMPERS AT ALL BRANCH TAKEOFFS. PROVIDE TURNING VANES AT ALL CHANGES OF DIRECTION. PROVIDE BALANCING DAMPERS IN THE RETURN AIR DUCT AND THE OUTSIDE AIR DUCT OF ALL UNITS TO BALANCE THE SYSTEMS.
- BALANCE SYSTEMS TO WITHIN 5% OF AIR VALUES SHOWN. SUBMIT A WRITTEN REPORT TO THE ARCHITECT/ENGINEER.
- DRAIN PIPING SHALL BE TYPE 'L' COPPER AND SHALL BE INSULATED WITH 1/2" THICK FIRE RETARDANT ELASTOMERIC FOAM TYPE INSULATION.
- COORDINATE EXACT ROUTING OF DUCTWORK WITH LIGHTS, STRUCTURAL AND PLUMBING. COORDINATE ALL WALL OPENINGS SIZES WITH THE GENERAL CONTRACTOR.



**James m. huckestein**  
architect, AIA

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ROOFTOP HEAT PUMP UNIT SCHEDULE																								
UNIT NO.	CFM	MIN. OSA	E.S.P. IN. W.G.	FAN TYPE	FAN H.P.	COOLING CAPACITY			ELECT. HEAT		ELECTRICAL								MIN. EEER (SEER COP (HSPF))	WEIGHT	REMARKS			
						NOM. TONS	ARI SEN.	ARI TOTAL	KW	# STEPS	VOLTAGE	NO.	HP. EA.	RLA EA.	LRA EA.	NO.	HP. EA.	RLA EA.				LRA EA.	MCA	MFS
RTU-1	1195	160	0.8	FC	1.0	3.0	27.9 MBH	38.5 MBH	9.0	2	208/3/60	1	2.7	10.4	95	1	0.2	1.5	2.4	57	60	(14.3) 8.00	1050#	PROVIDE ECOBEE 3 LITE SMART THERMOSTAT
RTU-2	1195	160	0.8	FC	1.0	3.0	27.9 MBH	38.5 MBH	9.0	2	208/3/60	1	2.7	10.4	95	1	0.2	1.5	2.4	57	60	(14.3) 8.00	1050#	PROVIDE ECOBEE 3 LITE SMART THERMOSTAT
RTU-3*	1550	180	0.8	FC	1.0	4.0	39.1 MBH	48.8 MBH	13.1	2	208/3/60	1	3.5	13.7	83	1	0.4	2.5	6.6	72	80	(14.3) 8.20	1050#	PROVIDE ECOBEE 3 LITE SMART THERMOSTAT PROVIDE CO2 SENSOR AND CONTROL OSA DPR TO MAINTAIN 1000 PPM

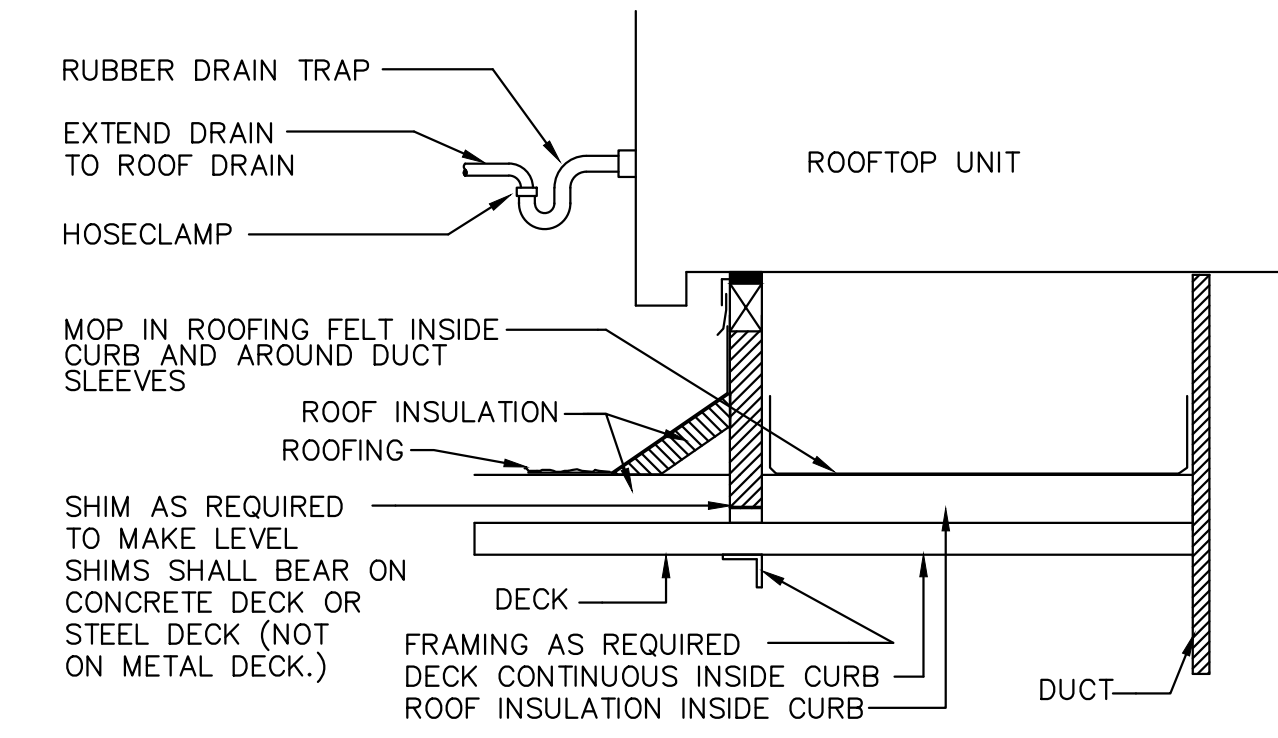
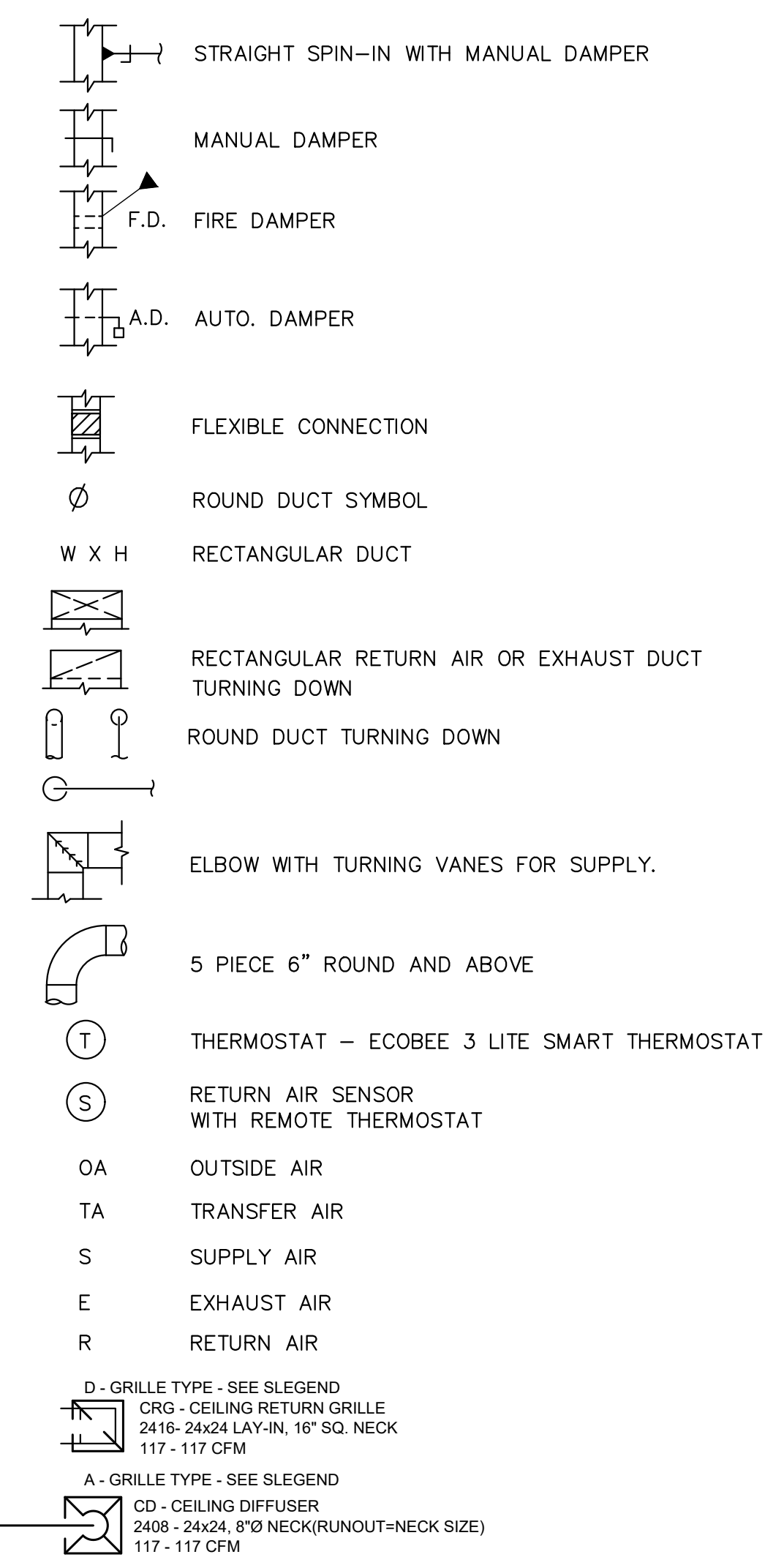
NOTE: PROVIDE: UNITS WITH CURB FOR ROOF MOUNT, MODULATING OSA DAMPER, HAIL GUARDS AND DUCT SMOKE DETECTORS FOR ALL UNITS TO SHUTDOWN UNIT WHERE CODE REQUIRED. INSTALL PER MANUFACTURER'S RECOMMENDATIONS WITH ALL RECOMMENDED SERVICE CLEARANCES. OWNER WILL PROVIDE DEHUMIDIFIERS IF HUMIDITY BECOMES AN ISSUE.

\*PROVIDE FACTORY CO2 CONTROL OF OUTDOOR AIR WHERE NOTED.

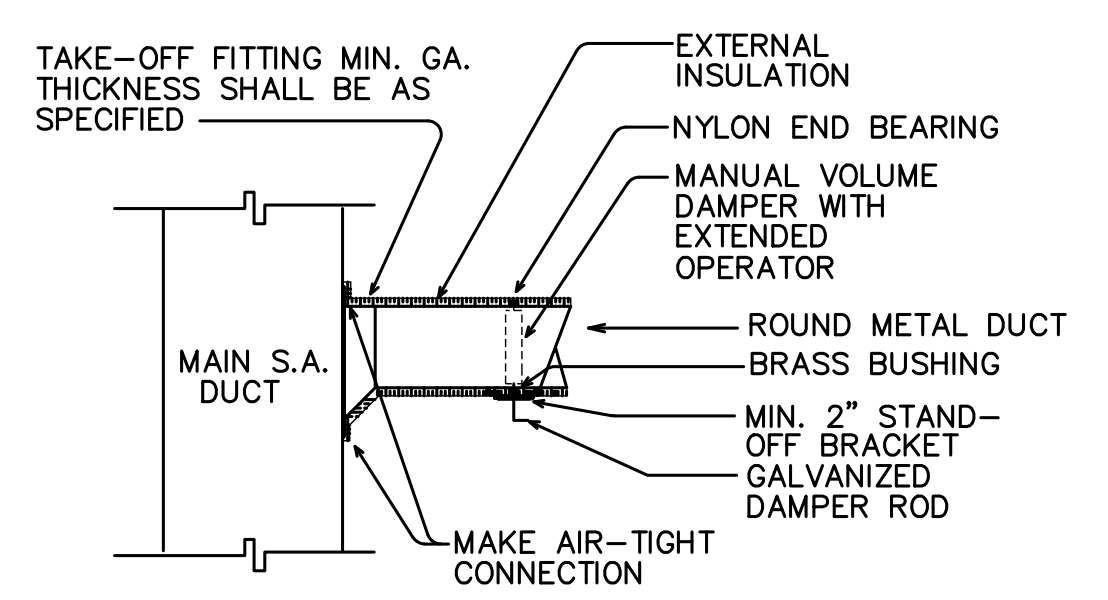
FAN SCHEDULE									
FAN NO.	SERVES	TYPE	CFM	APPROX. S.P.	SELECTION CRITERIA	MOTOR		ACCESSORIES	CONTROL OR INTERLOCK WITH
						HP	VOLTAGE		
EF-1	TOILET ROOM	CEILING MOUNTED CENTRIFUGAL	100	0.375	1.5 SONES MAX. 1250 RPM MAX.	100W	120/1/60	1,3,5,6	LIGHTS
EF-2	TOILET ROOM	CEILING MOUNTED CENTRIFUGAL	100	0.375	1.5 SONES MAX. 1250 RPM MAX.	100W	120/1/60	1,3,5,6	LIGHTS
EF-3	TOILET ROOM	CEILING MOUNTED CENTRIFUGAL	100	0.375	1.5 SONES MAX. 1250 RPM MAX.	100W	120/1/60	1,3,5,6	LIGHTS

- FAN ACCESSORIES AND NOTES:
- DIRECT DRIVE WITH FAN MOUNTED SOLID STATE SPEED CONTROL
  - BELT DRIVE
  - DISCONNECT SWITCH
  - PREFABRICATED INSULATED ROOF CURB W/SOUND ATTENUATION
  - BACKDRAFT DAMPER
  - ROOF CAP OR BRICK VENT WITH INSECT SCREEN

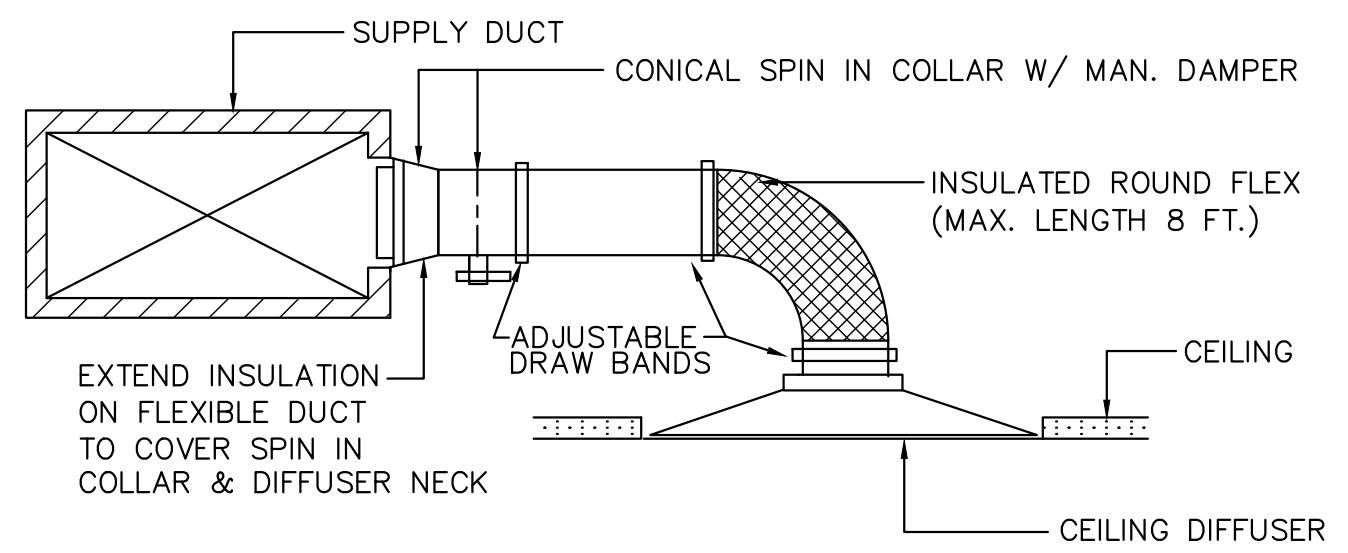
**AIR DEVICES**



**TYPICAL ROOF TOP UNIT MOUNTING DETAIL**  
NO SCALE



**ROUND BRANCH DUCT TAKE-OFF DETAIL**  
NOT TO SCALE



**TYPICAL FLEXIBLE DUCT CONNECTION DETAIL**  
NO SCALE

A New Building For:



Cameron, NC 28326

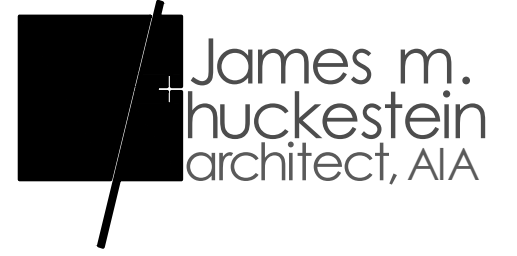
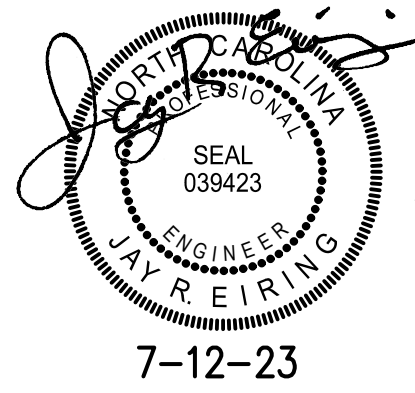
RELEASES / DESCRIPTION / DATES	
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RELEASED FOR CONSTRUCTION	<input type="checkbox"/>
DATE	05.30.2023
DRAWN	JRE
CHECKED	JRE
APPROVED	H+HA
PROJECT NUMBER	23001.06

SHEET TITLE  
HVAC SCHEDULES & DETAILS, HVAC PLAN

DRAWING NO.  
**M1.1**







architecture . planning . interior design  
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**PLUMBING FIXTURE CONNECTION SCHEDULE**

MARK	FIXTURE	WASTE	CW	TW	140° HW	REMARKS
P-1	WATER CLOSET	3"	1/2"	-	-	ADA/ LEFT HAND
P-2	WATER CLOSET	3"	1/2"	-	-	ADA/ RIGHT HAND
P-3	WALL HUNG LAVATORY	1 1/4"	1/2"	1/2"	-	ADA - ASSE-1070 COMPLIANT
P-4	MOP SINK	3"	1/2"	-	1/2"	-
P-5	BREAK ROOM SINK	1 1/2"	1/2"	-	1/2"	ADA FAUCET
P-6	EXAM SINK	1 1/4"	1/2"	1/2"	-	ADA - ASSE-1070 COMPLIANT
P-7	WATER CLOSET	3"	1"	-	-	FLUSH VALVE - REMOTE ACTUATOR
P-8	REFRIGERATOR ICE MAKER	-	1/2"	-	-	ROUGH & CONNECT
P-9	WASHING MACHINE BOX	3"	1/2"	-	1/2"	ROUGH & CONNECT
P-10	LAB SINK	-	1/2"	1/2"	1/2"	ADA - ASSE-1070 COMPLIANT
P-11	WALL HYDRANT	-	3/4"	-	-	KEY TYPE - FROST PROOF
P-12						

- P-1 & P-2 WATER CLOSET: FLOOR MOUNTED - KOHLER KINGSTON K-25077 COMPLETE AQUA PISTON FLUSHING SYSTEM, CHURCH "DURA GUARD" MODEL #2155 SSCT SEAT AND MCGUIRE #166 STOP AND SUPPLY.
- P-3 LAVATORY: WALL HUNG KOHLER K-2030, K-7715 WASTE OUTLET WITH TAILPIECE, SYMONS S-20 FAUCET EBC TA 125 P-TRAP AND EBC LA-10 STOPS WITH SUPPLIES. INSTALL ON A J.R. SMITH M31 FIXTURE SUPPORT WITH RIM AT 34" ABOVE FINISH FLOOR. COVER TRAP, STOPS AND SUPPLIES WITH EBC "IK" INSULATOR KIT.
- P-4 JANITOR'S RECEPTOR: STERN WILLIAMS HL-1800 (24"x24"), T-35 HOSE WITH BRACKET, STAINLESS STEEL BACKSPASH AND CHICAGO FAUCET 897 FAUCET.
- P-5 KOHLER LRAD 191855 WITH WASTE OUTLETS WITH TAILPIECE, EBC TA 150 P-TRAP AND EBC LA 10 STOPS WITH SUPPLIES AND ELKAY LKD-2432C FAUCET. COORDINATE SIZE WITH MILLWORK BEFORE ORDERING.
- P-6 SINK: ELKAY LR SERIES, LK 35 WASTE OUTLET WITH TAILPIECE, EBC TA 150 P-TRAP AND EBC LA 10 STOPS WITH SUPPLIES AND CHICAGO FAUCET 786-E3CP FAUCET. COORDINATE SIZE WITH MILLWORK BEFORE ORDERING.
- P-7 WATER CLOSET: FLOOR MOUNTED KOHLER K-4368 COMPLETE, 910 HYDRAULIC FLUSH VALVE WITH HY-72-A ACTUATOR, YJ BRACKET, AND CHURCH "DURA-GUARD" MODEL 2155SSCT SEAT.
- P-8 REFRIGERATOR: FURNISHED AND INSTALLED UNDER ANOTHER SECTION, ROUGH & CONNECT COMPLETE. PROVIDE IN WALL BEHIND UNIT A GUY GRAY BIM 870 BOX WITH 10 FEET OF 1/4" SOFT COPPER FOR CONNECTION TO REFRIGERATOR ICE MAKER. PROVIDE PDI SIZE 'B' SHOCK ARRESTOR.
- P-9 WASHING MACHINE BOX: GUY GRAY #WB-200 - PROVIDE SHOCK ARRESTORS PDI SIZE 'B' ABOVE CEILING ON HOT AND COLD WATER LINES.
- P-10 SINK: ELKAY LR SERIES, LK 35 WASTE OUTLET WITH TAILPIECE, EBC TA 150 P-TRAP AND EBC LA 10 STOPS WITH SUPPLIES AND CHICAGO FAUCET 786-E3CP FAUCET. COORDINATE SIZE WITH MILLWORK BEFORE ORDERING.

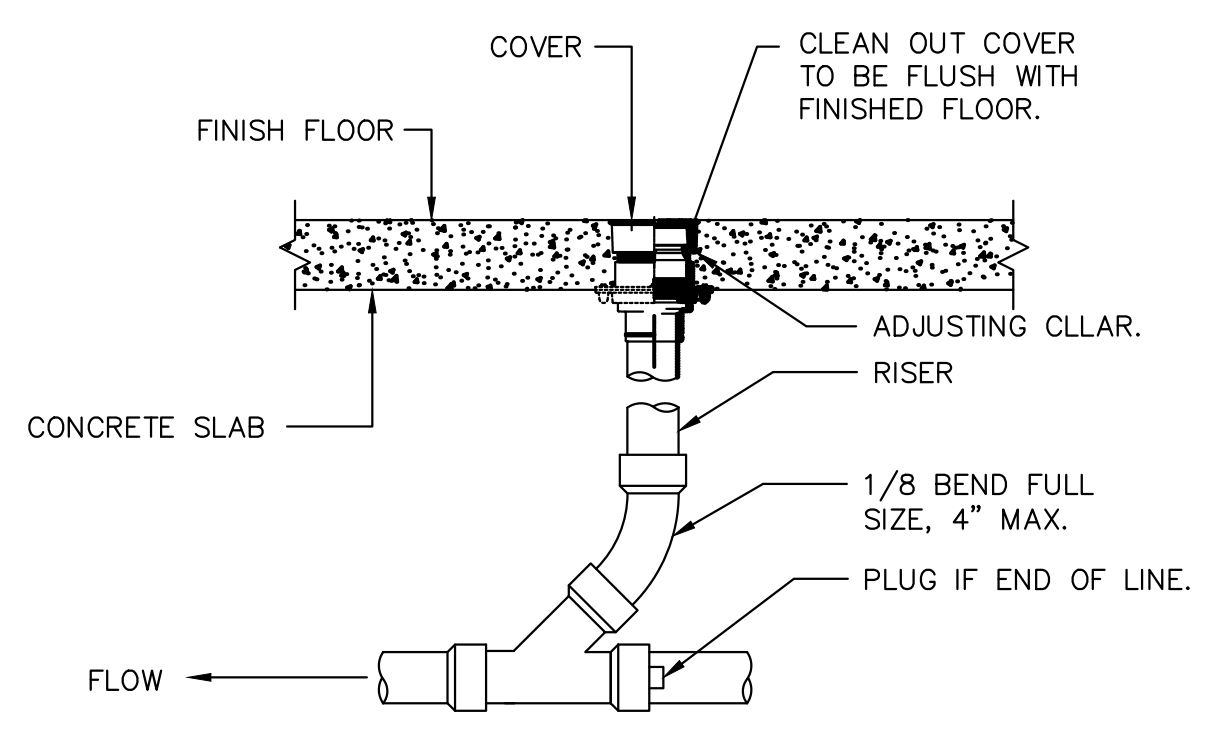
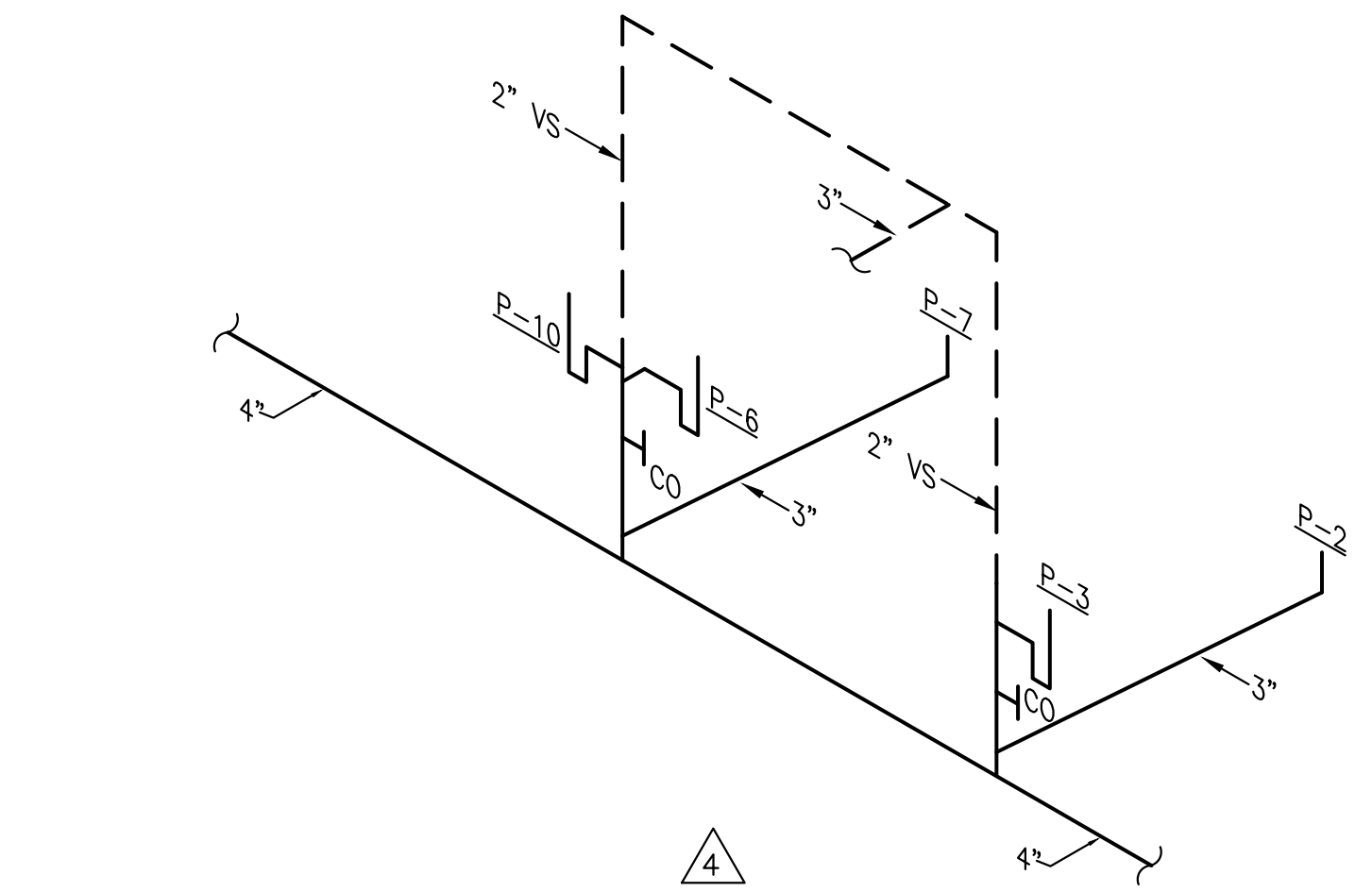
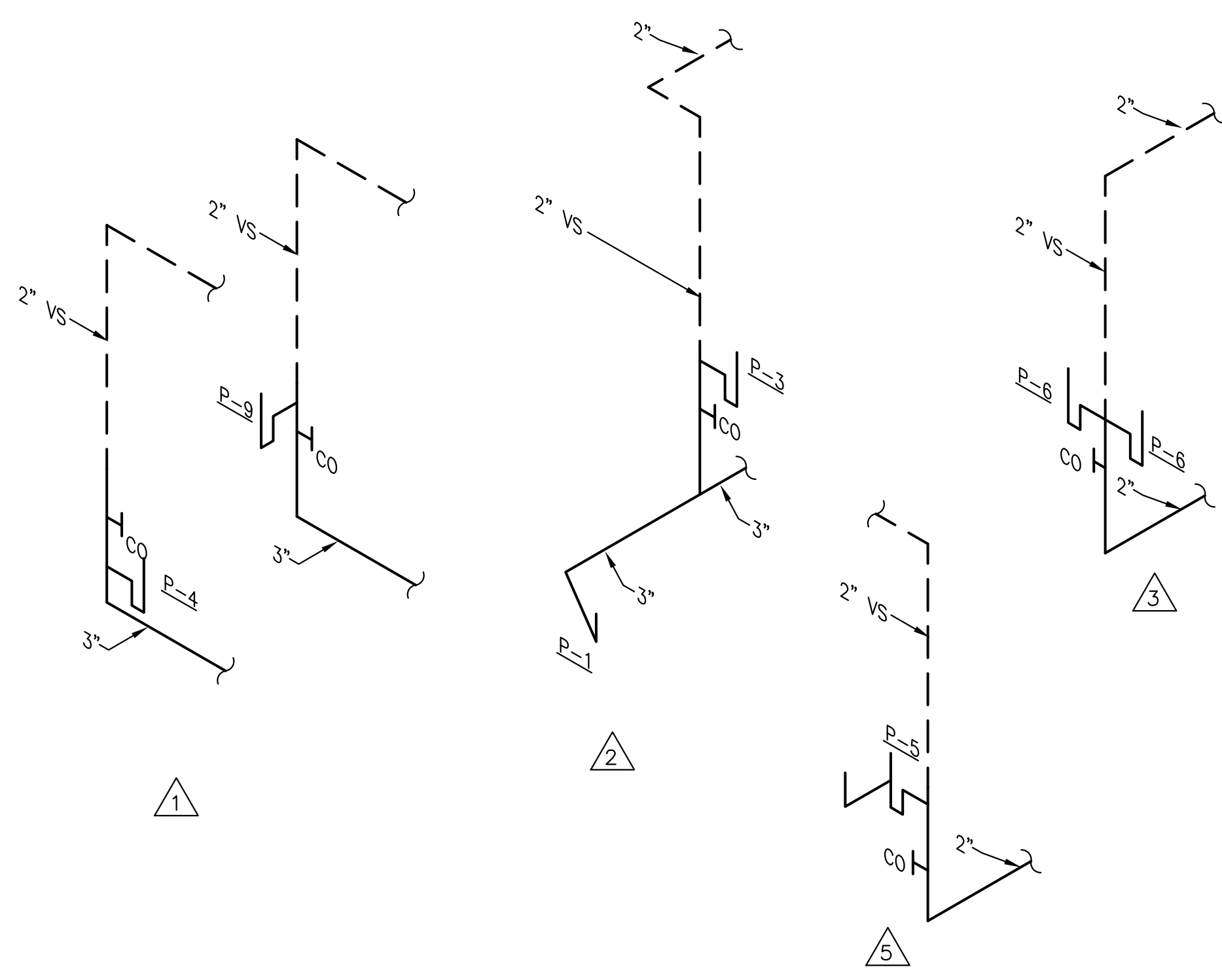
**PLUMBING LEGEND**

- SOIL OR WASTE LINE: BELOW SLAB ON GRADE-SCHEDULE 40 DWV PVC WITH DWV FITTINGS & SOLVENT WELD JOINTS. CAST IRON IN PLENUM AREAS, OR WHERE NOISE WILL BE A PROBLEM, SUCH AS A WASTE STACK.
- VENT LINE: SAME AS WASTE LINE.
- COLD WATER LINE: TYPE "L" HARD COPPER WITH WROUGHT COPPER FITTINGS & JOINTS OF 95-5 LEAD FREE SOLDER & FLUX. INSULATE WITH 1/2" INSULATION & INSTALL ON CLEVIS HANGERS 5'-0" ON CENTERED. PROVIDE 8" LONG SHEET METAL SADDLE CENTERED AT EACH HANGER. OPTION: USE UPONOR PEX FULL FLOW SYSTEM OR CPVC.
- HOT WATER LINE: SAME AS COLD WATER LINE EXCEPT INSULATE WITH 1" THICK FIBERGLASS INSULATION.
- STORM LINE: PVC PLASTIC.
- GAS LINE: BLACK STEEL PIPE, SCHEDULE 40, ASTM A-53.
- GAS COCK
- BALL VALVE: WATTS 6080 FULL PORT.
- UNION
- PIPE TURNING UP
- PIPE TURNING DOWN
- P TRAP
- FLOOR DRAIN: J.R. SMITH #2010 WITH 6" ROUND NICKEL BRONZE GRATE. PROVIDE TRAP PRIMER FOR EACH FLOOR DRAIN.

- P-# PLUMBING FIXTURE NUMBER
- ▲ RISER DIAGRAM NUMBER
- AFF ABOVE FINISH FLOOR
- CO CLEAN OUT
- ABV ABOVE
- WS WASTE STACK
- SS SOIL STACK
- VS VENT STACK
- VSTR VENT STACK THRU ROOF
- CW COLD WATER
- HW HOT WATER
- TW TEMPERED WATER
- (X) EXISTING
- EXIST. EXISTING
- NEW CONN TO EXIST

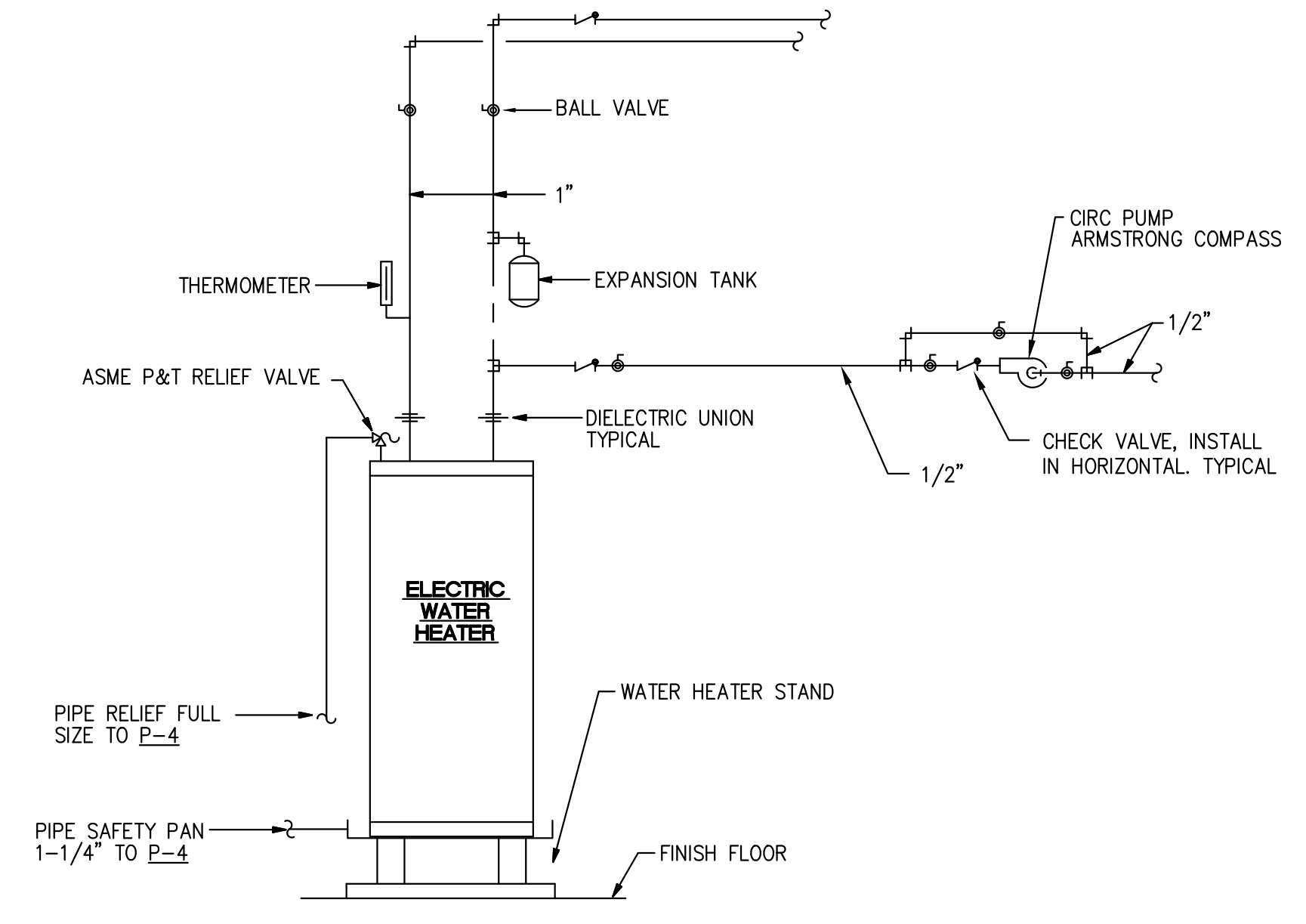
**PLUMBING GENERAL NOTES**

- CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY NEW PIPE.
- ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"x18"x6" THICK CONCRETE PAD. (J.R. SMITH 4258 OR EQUAL.)
- WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC UNION SHALL BE USED.
- ALL HORIZONTAL WATER, GAS AND VENT PIPING IS RUN ABOVE CEILING ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
- ALL HORIZONTAL SANITARY PIPING IS RUN BELOW FLOOR ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
- ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
- COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL FEATURES OF BUILDING.
- ALL RUNNING TRAP CLEANOUTS SHALL BE EXTENDED UP THRU FLOOR SLAB WITH C.O. COVER.
- ALL WALL HYDRANTS AND HOSE BIBBS SHALL BE MOUNTED 24" ABOVE FINISH FLOOR UNLESS OTHERWISE NOTED.
- ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.



**CLEAN OUT DETAIL**

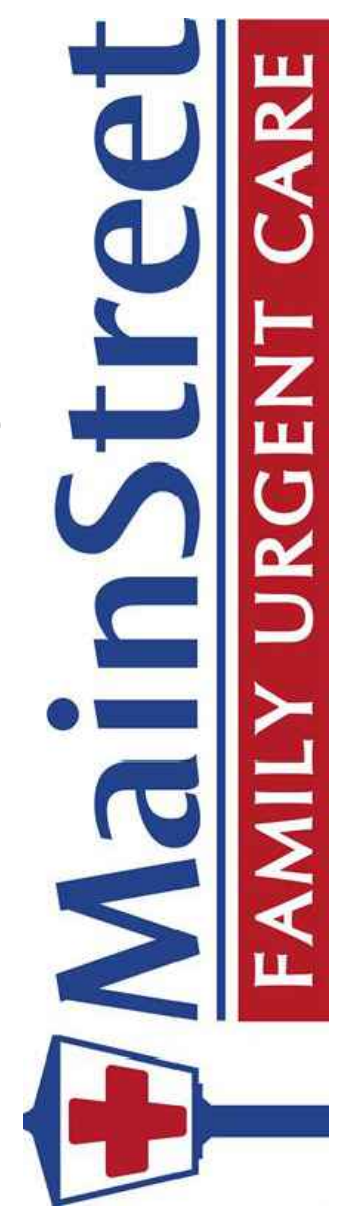
NO SCALE



**DETAIL OF PIPING AT ELECTRIC WATER HEATER**

NO SCALE

A New Building For:



Cameron, NC 28326

RELEASES / DESCRIPTION / DATES	
NOT FOR CONSTRUCTION	<input type="checkbox"/>
RELEASED FOR CONSTRUCTION	<input checked="" type="checkbox"/>

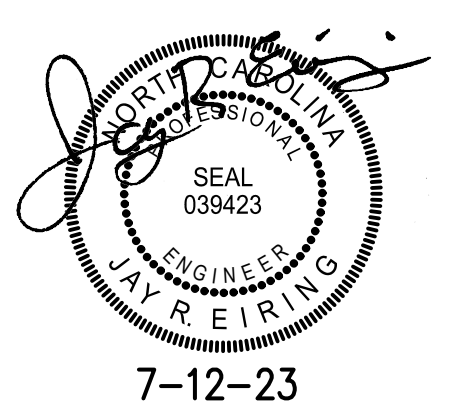
DATE	05.30.2023
DRAWN	JRE
CHECKED	JRE
APPROVED	H+HA

PROJECT NUMBER 23001.06

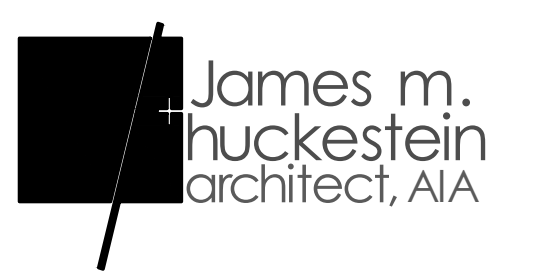
SHEET TITLE  
**PLUMBING SCHEDULES & DETAILS**

DRAWING NO.

**P1.1**

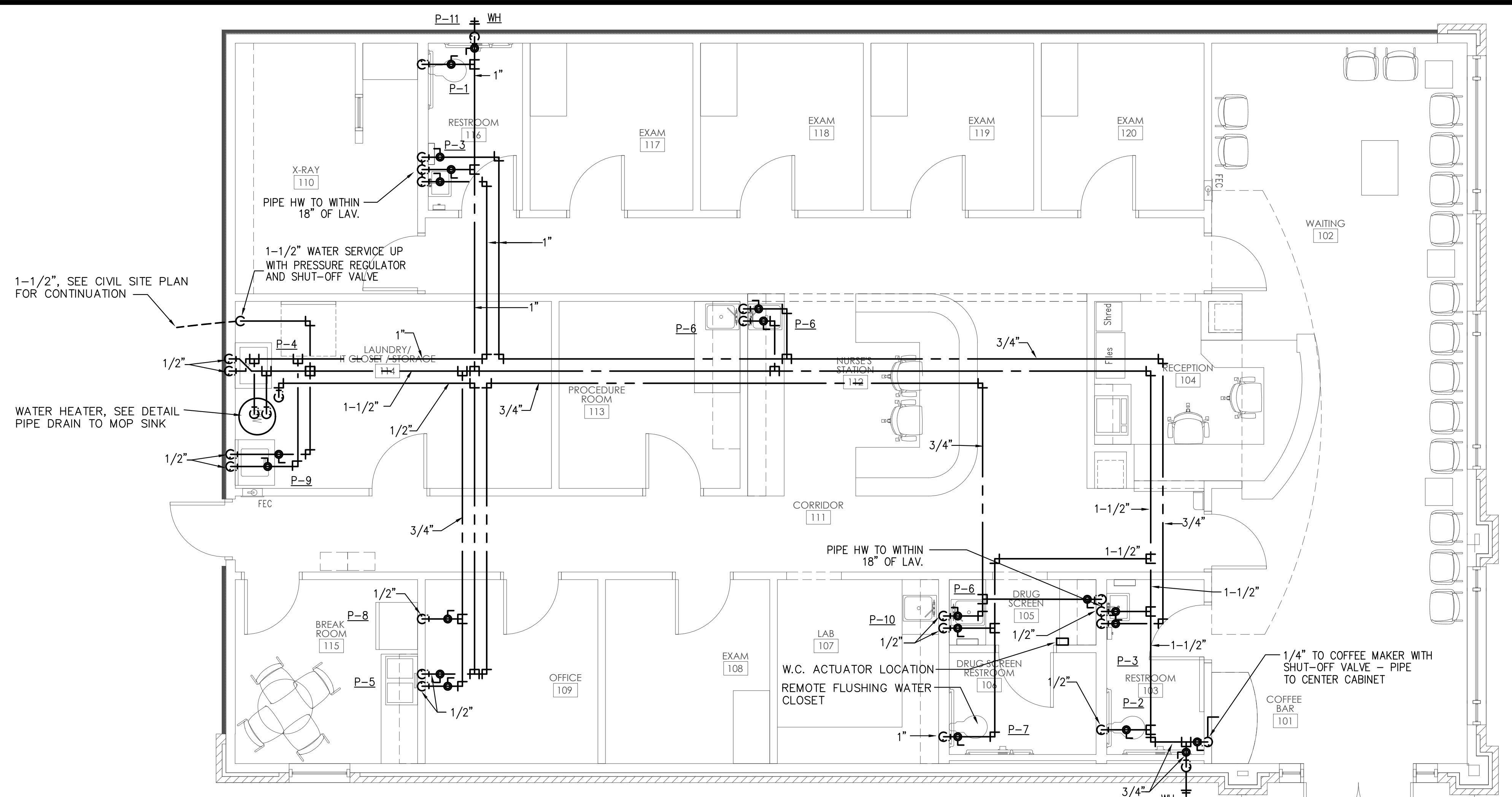


7-12-23

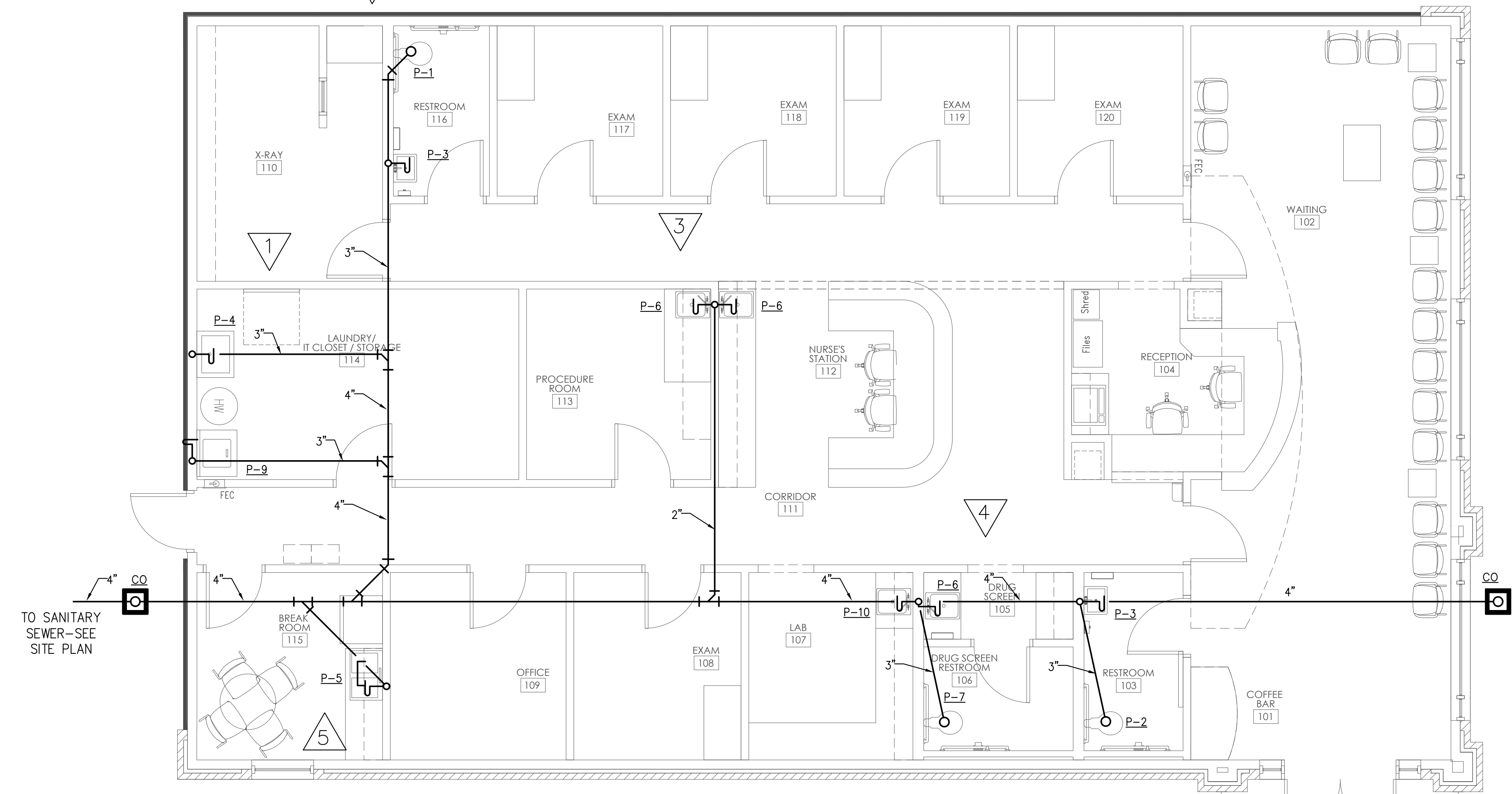


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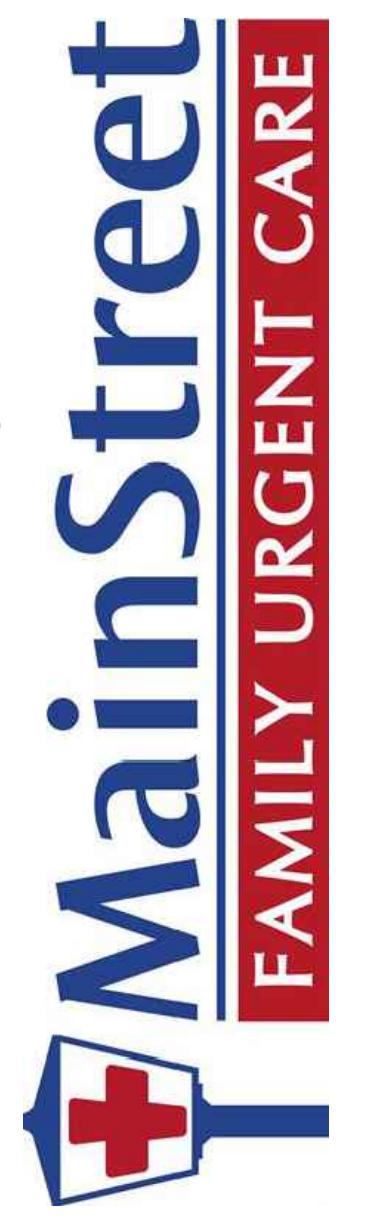


**FLOOR PLAN - PRESSURE PIPING**  
SCALE: 1/4" = 1'-0"



**FLOOR PLAN - NON-PRESSURE PIPING**  
SCALE: 1/4" = 1'-0"

A New Building For:



Cameron, NC 28326

RELEASES / DESCRIPTION / DATES

OWNER COMMENTS	5-30-23

NOT FOR CONSTRUCTION   
RELEASED FOR CONSTRUCTION

DATE	05.30.2023
DRAWN	JRE
CHECKED	JRE
APPROVED	H+HA

PROJECT NUMBER 23001.06

SHEET TITLE  
**PLUMBING PRESSURE & NON-PRESS. PLANS**

DRAWING NO. **P2.1**

# ELECTRICAL LEGEND

	CEILING OUTLET: RECESSED LIGHT FIXTURE, AS NOTED, TYPE "A".
	CEILING OUTLET: RECESSED LIGHT FIXTURE, LUMINAIRE TYPE "A".
	CEILING OUTLET: DUPLEX RECEPTACLE, 15A., 125V., 2P.,3W., NEMA 5-15R. HUBBELL #5252.
	WALL OUTLET: DUPLEX RECEPTACLE, 15A., 125V., 2P.,3W., NEMA 5-15R. TAMPER RESISTANT, HUBBELL #CR15GRYTR.
	WALL OUTLET: DUPLEX RECEPTACLE, UPPER HALF SWITCHED FOR TABLE LAMP. TAMPER RESISTANT.
	WALL OUTLET: QUAD RECEPTACLE, TWO DUPLEX UNDER SINGLE PLATE. TAMPER RESISTANT.
	WALL OUTLET: DUPLEX RECEPTACLE, 15A., 125V., 2P.,3W., 3'-9"H, UNLESS OTHERWISE NOTED OR EQUAL, TAMPER RESISTANT HUBBELL #CR15GRYTR.
	WALL OUTLET: SINGLE RECEPTACLE, 30A., 125V., 2P.,3W., NEMA 5-30R.
	WALL OUTLET: GROUND FAULT INTERRUPTER RECEPTACLE, TERMINAL 15A., 125V., 2P.,3W., P&S NO. 1591, OR EQUAL, MOUNT AT 18" A.F.F. OR AS NOTED.
	WALL SWITCH: MANUAL DIMMER COMPATIBLE WITH LED DOWNLIGHT.
	FLOOR OUTLET: FLUSH BOX WITH 20A RECEPTACLE/USB COMBO. HUBBELL #USB20AC5G MOUNTED IN ARLINGTON #FLBCB500/FLBC8GY.
	VOICE/DATA SYSTEM: SINGLE GANG BOX WITH 3/4"C. STUBBED TO ABOVE ACCESSIBLE CEILING. PROVIDE WALL JACKS WITH CAT5 CABLE TO BACKBOARD. D1=1 CAT5, D2=2 CAT5, ETC.
	WALL SWITCH: A.C. TYPE, 1-POLE, 15A., 125/277V., HUBBELL #1101 OR EQUAL, MOUNTED 48" A.F.F.
	WALL SWITCH: A.C. TYPE, 3-WAY, 15A., 125/277V., HUBBELL #1103 OR EQUAL, MOUNTED 48" A.F.F.
	BRANCH CIRCUIT: CONCEALED IN CEILING OR WALL.
	BRANCH CIRCUIT: CONCEALED IN OR BELOW FLOOR OR UNDERGROUND.
	BRANCH CIRCUIT: HOMERUN TO PANELBOARD AND 20A., 1P., BREAKER, UNLESS OTHERWISE NOTED. SHOWN, 2#12-1/2"C. HASHMARKS INDICATE NUMBER OF CONDUCTORS WHEN GREATER THAN 2#12. THE NUMBER IN THE CIRCUIT INDICATES A.W.G. WIRE SIZE WHEN DIFFERENT THAN #12 AWG.
	WP WEATHERPROOF
	C CONDUIT RACEWAY
	MAC MOUNT ABOVE COUNTER
	GFCI GROUND FAULT CIRCUIT INTERRUPTER
	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	RECEPTACLE PANEL: SEE SCHEDULE AND SPECIFICATIONS.
	PHOTOCELL, ADJUSTABLE. MOUNT LOW ENOUGH FOR LADDER ACCESS BY STAFF.

# LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	LAMPS	MANUFACTURER
EL	BATTERY POWERED EMERGENCY FIXTURE TO PROVIDE EGRESS ILLUMINATION PER IBC 1006.3	LED	COOPER# AEL2-41-BK
LGA	LED FLAT PANEL LAY-IN 2x4'	LED	METALUX# 24FP4735C
LWS	WALL SCONCE	1-13W-LED	PROGRESS LIGHTING# P5683-31EB
LDA	LED DOWNLIGHT, 6" DIAMETER,	1-13W-LED	HALO# H750ICAT/ML709830ICAT120D/494WB06
LDB	LED DOWNLIGHT, 4" DIAMETER,	LED	HALO# LT4-06-9FS35-1E-WH-DM-R
LWA	LED WALL PACK.	LED	LUMARK# AXCS5A
XA	SELF-POWERED LED UNIVERSAL MOUNT SINGLE-FACE EXIT SIGN, WHITE THERMOPLASTIC HOUSING, RED LETTERS,	LED	SURE-LITES# LPX-7-R
XC	SELF-POWERED LED UNIVERSAL MOUNT DOUBLE-FACE EXIT SIGN, WHITE THERMOPLASTIC HOUSING, RED LETTERS, TWIN LED LAMP HEADS.	LED	SURE-LITES# APC-7-R-SQ
	SELF-POWERED, TWIN LAMP HEAD EMERGENCY EGRESS LIGHTING FIXTURE,	LED	SURE-LITES# AP-2SQ-LED

### PATIENT CARE AREAS:

1. PRIMARY GROUND PATH SHALL MEET NEC 250.118 AND SPECIFICATION SECTION ON "GROUNDING" PER NEC 517.13(A).
2. SECONDARY GROUND PATH SHALL BE VIA AN INSULATED EQUIPMENT GROUNDING CONDUCTOR PER NEC 517.13(B).
3. RECEPTACLES IN PATIENT CARE AREAS SHALL BE HOSPITAL GRADE. RECEPTACLES IN PEDIATRIC AREAS SHALL BE TAMPERPROOF.

## COMcheck Software Version 4.1.1.0 Interior Lighting Compliance Certificate

**Project Information**  
 Energy Code: 2018 IECC  
 Project Title: Main Street Urgent Care  
 Project Type: New Construction  
 Location: Cameron, NC

**Additional Efficiency Package(s)**  
 Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

**Allowed Interior Lighting Power**

Area Category	Floor Area (ft <sup>2</sup> )	Allowed Watts / ft <sup>2</sup>	Allowed Watts (B X C)
1-Health Care-Clinic	3159	0.82	2590

**Proposed Interior Lighting Power**

Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps/ Fixture	# of Fixtures	Watt. (C X D)
1-Health Care-Clinic: LED 2' LGA LED Panel 41W	1	50	41
LED 3' LGA LPA LED A Lamp 11W	1	9	11
LED 3' X 3' X 3' Other	1	5	7
			42
Total Proposed Watts = 2191			

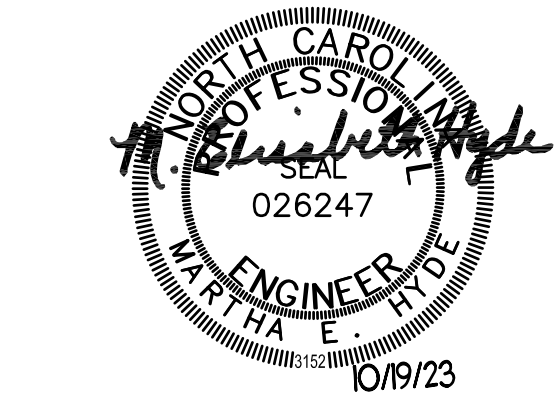
**Interior Lighting PASSES: Design 15% better than code**

**Interior Lighting Compliance Statement**  
 Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name: David Morrow - Lighting designer  
 Title: Hyde Engineering, Inc.  
 Signature: [Signature]  
 Date: 05/31/23

V/FPW		120/208V, 3PH, 4W.		MAIN BUS RATING		225		MAIN C.B. TRIP		M.L.O.		
MOUNTING		SURFACE		MINIMUM BREAKER INTERRUPTING AMPACITY		10,000						
DEVICE	BRANCH CIRCUIT	PHASE LOAD (VOLT-AMPS)			BRANCH CIRCUIT			DEVICE				
AMPS TRIP	POLES	DESIGNATION	VOLT-AMPS	NO.	PHASE A	PHASE B	PHASE C	NO.	VOLT-AMPS	DESIGNATION	POLES	AMPS TRIP
20	1	PORTABLE FREEZER	800	31	2400			32	1600	RECEPTACLES (GFCI BKR)	1	20
30	2	STACKED WASHER/DRYER	2500	33		7972		34	5472	RTU-1	3	60
20	1	SPARE	2500	35			7972	36	5472	RTU-1		
20	1	SPARE		37	5472			38	5472	RTU-1		
20	1	SPARE		39		5472		40	5472	RTU-2	3	60
20	1	SPARE		41			5472	42	5472	RTU-2		
20	1	SPARE		43	5472			44	5472	RTU-2		
20	1	SPARE		45			6912	46	6912	RTU-3	3	80
20	1	SPARE		47			6912	48	6912	RTU-3		
20	1	SPARE		49	6912			50	6912	RTU-3		
		SPACE		51		0		52		SPACE		
		SPACE		53		0		54		SPACE		
		SPACE		55	0			56		SPACE		
		SPACE		57		0		58		SPACE		
		SPACE		59			0	60		SPACE		
TOTAL CONNECTED VA			20256	20356	20356	CONNECTED AMPACITY		170				

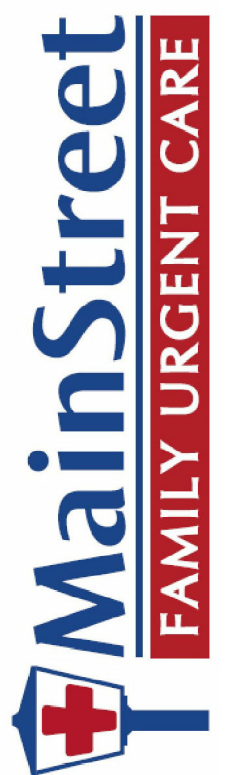
V/FPW		120/208V, 3PH, 4W.		MAIN BUS RATING		225		MAIN C.B. TRIP		M.L.O.		
MOUNTING		SURFACE		MINIMUM BREAKER INTERRUPTING AMPACITY		10,000						
DEVICE	BRANCH CIRCUIT	PHASE LOAD (VOLT-AMPS)			BRANCH CIRCUIT			DEVICE				
AMPS TRIP	POLES	DESIGNATION	VOLT-AMPS	NO.	PHASE A	PHASE B	PHASE C	NO.	VOLT-AMPS	DESIGNATION	POLES	AMPS TRIP
20	1	LIGHTING	1000	1	2000			2	1000	LIGHTING	1	20
20	1	LIGHTING	800	3		1400		4	600	EXTERIOR LIGHTING	1	20
20	1	RECEPTACLES	800	5			1600	6	800	RECEPTACLES	1	20
20	1	RECEPTACLES	800	7	1600			8	800	RECEPTACLES	1	20
20	1	SPARE		9		800		10	800	RECEPTACLES (GFCI BKR)	1	20
20	1	RECEPTACLES GFCI BREAKER	800	11			2200	12	1400	RECEPTACLES	1	20
20	1	RECEPTACLES	800	13	1200			14	400	RECEPTACLES (GFCI BKR)	1	20
20	1	RECEPTACLES	800	15		1600		16	800	RECEPTACLES (GFCI BKR)	1	20
20	1	RECEPTACLES (GFCI BKR)	800	17			1600	18	800	RECEPTACLES (GFCI BKR)	1	20
20	1	PYLON SIGN	500	19	1300			20	800	RECEPTACLES (GFCI BKR)	1	20
20	1	RECEPTACLES (GFCI BKR)	1000	21		1800		22	800	RECEPTACLES (GFCI BKR)	1	20
20	1	U.C. REFRIGERATOR	800	23			1600	24	800	U.C. REFRIGERATOR	1	20
20	1	SPARE		25	0			26		SPARE	1	20
20	1	RECEPTACLES	1000	27		4000		28	3000	X-RAY	2	100
20	1	BUILDING SIGNAGE	500	29			3500	30	3000	X-RAY		
TOTAL CONNECTED VA			6100	9600	10500	CONNECTED AMPACITY		88				



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A New Building For:



Cameron, NC 28326

RELEASES / DESCRIPTION / DATES

1	OWNER CHANGES	10.18.23
2	PERMIT COMMENTS	10.19.23

NOT FOR CONSTRUCTION   
 RELEASED FOR CONSTRUCTION

DATE: 08.01.2023  
 DRAWN: DBM  
 CHECKED: MEH  
 APPROVED: HEI

PROJECT NUMBER: 23001.06

SHEET TITLE:  
 ELECTRICAL SYMBOLS,  
 SCHEDULES & NOTES

DRAWING NO.

**E0.1**

## SECTION 16000 – ELECTRICAL

### SPECIFICATIONS

#### GENERAL

- I. GENERAL
  - A. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR & EQUIP. NECESSARY TO COMPLETELY INSTALL ELECTRICAL & RELATED WORK INDICATED ON THE DRAWINGS AND IN THESE SPECIFICATIONS.
- II. CODE
  - A. ALL EQUIPMENT, WIRING AND THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.), O.S.H.A. REQUIREMENTS, LIFE SAFETY CODE AND ALL APPLICABLE LOCAL AND STATE LAWS AND ORDINANCES.
  - B. THE CONTRACTOR SHALL PAY ALL INSPECTION FEES AND PURCHASE ALL PERMITS REQUIRED FOR THIS WORK.
- III. LOCATION OF EQUIPMENT
  - A. THE CONTRACTOR SHALL NOTE THAT THE ELECTRICAL DRAWINGS ARE INTENDED TO INDICATE ONLY THE EXTENT DIAGRAMMATICALLY, GENERAL CHARACTER AND LOCATION OF THE WORK. WORK INTENDED, BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED, SHALL BE FURNISHED AND INSTALLED COMPLETE BY THIS CONTRACTOR AT HIS EXPENSE.
  - B. THE CONTRACTOR SHALL VISIT THE SITE OF THE WORK AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS, AND SHALL THOROUGHLY REVIEW ALL DRAWINGS, SPECIFICATIONS AND POSSIBLE ADDENDA PRIOR TO BIDDING ON THIS WORK. NO EXTRAS TO HIS CONTRACT WILL BE ALLOWED FOR FAILURE TO COMPLY WITH THIS REQUIREMENT.
- IV. ROUGH-IN
  - A. VERIFY FINAL LOCATIONS FOR ROUGH-INS WITH SHOP DRAWINGS, FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE CONNECTED PRIOR TO ROUGH-IN.
- B. INSTALLATION
  - A. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN A NEAT AND FIRST CLASS MANNER, LEVEL AND PLUMB, AND SECURELY SUPPORTED. THE ENTIRE INSTALLATION, AND MANNER OF INSTALLATION SHALL MEET THE COMPLETE SATISFACTION OF THE OWNER'S REPRESENTATIVE OR IT SHALL BE REMOVED AND REWORKED AS DIRECTED BY THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
  - B. ALL WIRING SHALL BE IN CONDUIT. THE USE OF E.N.T., BX, NM, ETC. OR PRE-MANUFACTURED CABLE ASSEMBLIES OR ALUMINUM WIRE WILL NOT BE PERMITTED.
  - C. CO-ORDINATE CONNECTION OF ELECTRICAL SYSTEMS WITH UTILITIES AS INDICATED ON THE DRAWINGS.
- VI. CUTTING AND PATCHING
  - A. ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
  - B. NO ADDITIONAL COMPENSATION WILL BE AUTHORIZED FOR CUTTING AND PATCHING WORK THAT IS NECESSITATED BY ILL- TIMED, DEFECTIVE OR NON-CONFORMING INSTALLATIONS. CONTRACTOR SHALL VERIFY TRANSFORMER LOCATION AND METERING SCHEME WITH LOCAL UTILITY CO.
- VII. ELECTRICAL SUBMITTALS
  - A. REFER TO THE CONDITIONS OF THE CONTRACT (GENERAL AND SUPPLEMENTARY) AND DIVISION 1 SECTION: SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES FOR SUBMITTAL DEFINITIONS, REQUIREMENTS AND PROCEDURES.
  - B. IN ADDITION TO THE REQUIREMENTS OF DIVISION THE FOLLOWING APPLIES TO SUBMITTALS OF THIS DIVISION:
    1. NO ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN THE PROJECT UNTIL SUBMITTALS HAVE BEEN ACCEPTABLY REVIEWED BY THE OWNERS REPRESENTATIVE AND STAMPED ACCORDINGLY.
    2. MAKE ALL ELECTRICAL SUBMITTALS AT ONE TIME AND WITHIN FOURTEEN (14) CALENDAR DAYS OF OWNER'S "NOTICE TO PROCEED" TO THE GENERAL CONTRACTOR.
    3. SUBMIT SIX (6) COMPLETE SETS TO OWNER'S REPRESENTATIVE. ONE SET SHALL REMAIN WITH THE OWNER'S REPRESENTATIVE, ONE SET SHALL BE DELIVERED TO THE OWNER AND THE OTHERS WILL BE RETURNED TO THE CONTRACTOR TO DISTRIBUTE AS REQUIRED.
    4. IF ANY ITEM IN THE SUBMITTAL IS "NOT ACCEPTABLE" FOR ANY REASON, IT SHALL AUTOMATICALLY VOID THE ENTIRE SET. CONTRACTOR SHALL RE-SUBMIT AS REQUIRED TO OBTAIN ACCEPTANCE OF ALL ITEMS.
    5. EACH SET SHALL BE BOUND AND INDEXED INTO GROUPS SUCH AS FIXTURES, PANELS, WIRING DEVICES, DISCONNECT SWITCHES, ETC..
    6. EACH SET SHALL BE IDENTICAL.
    7. SUBMITTALS OF CUT SHEET AND TECHNICAL DATA SHALL BE MADE ON THE FOLLOWING ITEMS: LIGHTING EQUIPMENT, PANELS, WIRING DEVICES, DISCONNECT SWITCHES, MOTOR STARTERS, TRANSFORMERS. ALL SUBMITTALS SHALL BE ORIGINALS, COPIES OF CUT SHEETS ARE NOT ACCEPTABLE.
    8. IN CASE OF DISCREPANCIES BETWEEN SETS OF SUBMITTALS, THE SET RETAINED BY THE OWNER'S REPRESENTATIVE SHALL HAVE PRECEDENCE.
- VIII. IDENTIFICATION NAMEPLATES
  - A. FURNISH AND INSTALL NAMEPLATES ON ALL ITEMS OF ELECTRICAL EQUIPMENT. NAMEPLATES SHALL BE MADE FROM WHITE ENGRAVING STOCK WITH BLACK LETTERS AND BLACK FOUR EDGE BEVEL. WORDING SHALL SUITABLY DESCRIBE ITEMS AND NAMEPLATES SHALL BE ATTACHED USING PROPER SIZE AND TYPE STAINLESS STEEL BOLTS. GLUE ON, TAPE ON OR TAPE TYPE NAMEPLATES ARE NOT ACCEPTABLE.
- IX. WARRANTIES
  - A. GUARANTEE ALL ELECTRICAL SYSTEM MATERIALS AND WORKMANSHIP TO BE FREE FROM

DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE AND PROPERLY CORRECT LATENT DEFECTS ARISING WITHIN THIS PERIOD UPON NOTIFICATION BY THE OWNER'S REPRESENTATIVE WITHOUT ADDITIONAL COMPENSATION

#### XI. CLEANING

- A. REGULARLY REMOVE REFUSE AND DEBRIS ACCUMULATING FROM ELECTRICAL CONSTRUCTION AND PRIOR TO ACCEPTANCE OF THIS WORK, LEAVE THE PREMISES "BROOM CLEAN" INsofar AS AFFECTED BY ELECTRICAL WORK.
- B. CLEAN ALL LIGHT FIXTURES, LAMPS AND LENSES AND PANELBOARD INTERIORS PRIOR TO FINAL ACCEPTANCE.

#### XII. TEST AND ADJUSTMENT

- A. FURNISH ALL LABOR, INSTRUMENTS, AND OTHER SERVICES REQUIRED FOR COMPLETE AND SATISFACTORY TEST AND ADJUSTMENT OF ELECTRICAL SYSTEMS AND RELATED WORK FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
  1. CHECK ALL MOTORS AND ROTATING EQUIPMENT FOR PROPER ROTATION.
  2. TEST ALL FEEDERS WITH MEGGER PRIOR TO ENERGIZING TO ASSURE CODE RESISTANCE IS MET.
  3. CHECK ALL FUSES AND OVERLOADS FOR PROPER SIZING.
  4. CHECKING OF ALL ELECTRICAL POWER AND CONTROL WIRING, INTERLOCKS, ETC., RELATED TO MECHANICAL INSTALLATIONS TO DETERMINE THAT ALL WIRING IS CORRECT.
  5. ALL EQUIPMENT FURNISHED BY THIS CONTRACTOR WHICH TEST PROVE TO BE DEFECTIVE OR OPERATING IMPROPERLY SHALL BE REMEDIED BY THIS CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

#### RACEWAYS

##### I. RACEWAYS

- A. EXTENT OF RACEWAY WORK IS INDICATED DIAGRAMMATICALLY ON THE DRAWINGS AND IN THE SCHEDULES.
  1. WHEN SIZE IS NOT INDICATED ON PLANS, CONDUIT SHALL BE SIZED FOR CONDUCTORS IN ACCORDANCE WITH TABLES 3(A)(B)(C), CHAPTER 9 OF THE N.E.C..
  2. THE ROUTING AND METHOD OF INSTALLATION OF ALL CONDUITS SHALL BE CO-ORDINATED SO AS NOT TO INTERFERE WITH OTHER EQUIPMENT INSTALLATIONS AND SHALL MEET WITH THE COMPLETE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
  3. THE USE IF INTERMEDIATE METAL CONDUIT (MC), ELECTRICAL NON-METALLIC TUBING (EMT) SHALL NOT BE INCORPORATED INTO THE WORK.
  4. USE ONLY THE TYPES OF RACEWAYS SPECIFIED HERE IN.  
TYPES OF RACEWAYS SPECIFIED IN THIS SECTION INCLUDE THE FOLLOWING:
    1. ELECTRICAL METALLIC TUBING (EMT); MINIMUM TRADE SIZE 1/2".
    2. FLEXIBLE METAL CONDUIT. MINIMUM TRADE SIZE 1/2".
    3. LIQUID- TIGHT FLEXIBLE METAL CONDUIT (SEALTIGHT) MINIMUM TRADE SIZE 1/2".
    4. RIGID METAL CONDUIT. MINIMUM TRADE SIZE 1/2".
    5. RIGID NONMETALLIC CONDUIT (PVC). SCHEDULE 40, MINIMUM TRADE SIZE 3/4".
    6. METAL CLAD CABLE (MC) MINIMUM TRADE SIZE 1/2".

##### C. FITTINGS

1. FITTINGS FOR EMT SHALL BE STEEL SET SCREW OR COMPRESSION TYPE WITH FACTORY INSTALLED INSULATED THROAT CONNECTORS. DIE CAST OR POT METAL FITTINGS ARE NOT ACCEPTABLE.
2. FITTINGS FOR FLEXIBLE CONDUIT SHALL BE STEEL OR CAST IRON.
3. FITTINGS FOR RIGID CONDUIT SHALL BE STEEL THREADED TYPE.
4. FITTINGS FOR PVC SHALL BE SCHEDULE 40 GLUE-ON TYPE.

##### II. INSTALLATION OF RACEWAYS

- A. ALL CONDUITS SHALL BE INSTALLED CONCEALED, EXCEPT IN EQUIPMENT ROOM, CHASES OR AS INDICATED ON THE DRAWINGS. ALL CONDUITS, EXPOSED AND CONCEALED SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING LINES AND SHALL BE GROUPED TOGETHER AS MUCH AS POSSIBLE, EVEN ABOVE LAY-IN CEILINGS.
- B. A SEPARATE GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL RUNS. WHERE SIZES LARGER THAN #12 AWG ARE REQUIRED BY THE NEC, THE CONDUCTOR SHALL BE SIZED AS INDICATED IN THE NEC. ALL GROUNDING CONDUCTORS SHALL HAVE A GREEN OUTER COVERING, OR GREEN MARKING TAPE OVER THEIR ENTIRE EXPOSED LENGTHS.
- C. MECHANICALLY FASTEN TOGETHER METAL CONDUITS, ENCLOSURES, AND RACEWAYS FOR CONDUCTORS TO FORM A CONTINUOUS ELECTRICAL CONDUCTOR. CONNECT TO ELECTRICAL BOXES, FITTINGS AND CABINETS TO PROVIDE ELECTRICAL CONTINUITY AND FIRM MECHANICAL ASSEMBLY.
- D. AVOID USE OF DISSIMILAR METALS THROUGH SYSTEM TO ELIMINATE POSSIBILITY OF ELECTROLYSIS.
- E. INSTALL EXPANSION FITTINGS IN RACEWAYS EVERY 200' LINEAR RUN OR WHEREVER STRUCTURAL EXPANSION JOINTS ARE CROSSED.
- F. PROVIDE NYLON PULL CORD IN ALL EMPTY CONDUITS.
- G. CONDUIT INSTALLATION
  1. USE RIGID METAL CONDUIT FOR ALL WEATHER EXPOSED WORK, FOR ALL STUB-UPS IN KITCHEN AREA, FOR ALL ROOF PENETRATIONS THROUGH PATE PLUGS AND FOR FREEZER/ COOLER PENETRATIONS.
  2. USE E.M.T. FOR ALL INTERIOR CONCEALED AND FOR EXPOSED WORK NOT SUBJECT TO MECHANICAL INJURY.
  3. USE P.V.C. FOR ALL UNDERGROUND WORK OR WORK INSTALLED IN CONCRETE. USE RIGID METAL CONDUIT ELBOW AT STUP-UP LOCATIONS.
  4. USE FLEXIBLE METAL CONDUIT FROM OUTLET BOXES TO RECESSED LIGHTING FIXTURE AND FINAL 24" OF CONNECTION TO ITEMS SUBJECT TO MOVEMENT OR VIBRATION.
  5. USE LIQUID-TIGHT FLEXIBLE CONDUIT FOR FINAL 24" CONNECTION TO ITEMS WHERE SUBJECTED TO ONE OR MORE OF THE FOLLOWING CONDITIONS:
    - a. EXTERIOR LOCATION.
    - b. MOIST OR HUMID ATMOSPHERE WHERE CONDENSATE CAN BE EXPECTED TO ACCUMULATE.
    - c. CORROSIVE ATMOSPHERE.

- d. SUBJECTED TO WATER SPRAY OR DRIPPING OIL, WATER OR GREASE.
  - e. FINAL CONNECTION TO ROTATING OR VIBRATING EQUIPMENT.
6. CUT CONDUITS STRAIGHT, PROPERLY REAM AND CUT THREADS FOR HEAVY WALL CONDUIT DEEP AND CLEAN.
  7. FIELD BEND CONDUIT WITH BENDERS DESIGNED FOR THE PURPOSE SO AS NOT TO DISTORT NOR VARY INTERNAL DIAMETER.

#### CONDUCTORS

##### I. CONDUCTORS

- A. ALL WIRE SHALL BE COPPER WITH THWN INSULATION.
- B. THE USE OF ARMORED, BX, NM, OR ANY MANUFACTURED CABLE ASSEMBLY (EXCEPT MC) SHALL NOT BE INCORPORATED INTO THE WORK.
- C. MC CABLE SHALL BE ACCEPTABLE FOR USE ON ALL 20 AMP 120V BREAKER CIRCUITS, ALL CIRCUITS 30 AMPS AND ABOVE AND ALL 208 VOLTS SHALL BE IN RACEWAY.
- D. ALL WIRING SHALL BE IN CONDUIT.
- E. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:
  1. 120/208V SYSTEMS: PHASE A – BLACK, PHASE B – RED, PHASE C – BLUE, NEUT. – WHITE, GND. – GREEN.
  2. 277/480V SYSTEM: PHASE A – YELLOW, PHASE B – BROWN, PHASE C – ORANGE, NEUT. – NATURAL GRAY, GND. – GREEN.
- F. AWG #10 AND SMALLER SHALL BE SOLID. AWG #8 AND LARGER SHALL BE STRANDED.

##### II. WIRE CONNECTIONS

- A. ALL FEEDER AND SUB-FEEDER WIRING CONNECTIONS SHALL BE MADE WITH COMPRESSION CONNECTORS BY SQUARE D OR ACCEPTABLE EQUIVALENT.
- B. ALL BRANCH WIRING CONNECTIONS SHALL BE 3M SCOTCH LOCK CONNECTORS OR ACCEPTABLE EQUIVALENT.
- C. WHERE CABLE CONNECTIONS REQUIRE INSULATION, SCOTCH #33, ELECTRICAL TAPE SHALL BE USED FOR WRAPPING.

#### BOXES AND FITTINGS

##### I. BOXES AND FITTINGS

- A. EXTENT OF ELECTRICAL BOX AND ASSOCIATED FITTING WORK IS INDICATED BY DRAWINGS AND SCHEDULES.

##### II. OUTLET BOXES

- A. CEILING: 4" SQUARE, 2-1/8" DEEP FOR EXPOSED OR FURRED WORK; 3" DEEP FOR BOXES POURED IN CONCRETE. PROVIDE CONCRETE POUR BOXES OF THE TYPE SPECIALLY DESIGNED FOR THE APPLICATION. PROVIDE PLASTER RINGS WHERE REQUIRED.
- B. WALL: 4" SQUARE, 2-1/8" DEEP BOXES: PROVIDE EXTENSION RINGS OR COVERS OF SUFFICIENT DEPTH TO BRING COVERS FLUSH WITH THE FINISHED SURFACE.
- C. MASONRY: FOR FLUSH MOUNTED BOXES IN EXPOSED MASONRY OR TILE, PROVIDE COVERS WITH SQUARE CORNERS ON THE RAISED PORTION AND WITH SUFFICIENT DEPTH TO TRIM OUT FLUSH WITH FINISHED SURFACE.
- E. EXPOSED AND KITCHEN EQUIPMENT: PROVIDE FS OR FD BOXES WITH SUITABLE WEATHERPROOF COVERS.

##### III. PULL AND JUNCTION BOXES

- A. PROVIDE BOXES WHERE REQUIRED TO FACILITATE THE PULLING OF WIRES OR CABLES. BOXES SHALL BE IN ACCORDANCE WITH ARTICLE 370 OF N.E.C..

##### IV. ACCESSORIES

- A. PROVIDE CORROSION-RESISTANT KNOCKOUT CLOSURES, CONDUIT LOCKNUTS AND MALLEABLE IRON CONDUIT BUSHINGS, OFFSET CONNECTORS, OF TYPES AND SIZES, TO SUIT RESPECTIVE INSTALLATION REQUIREMENTS AND APPLICATIONS.

##### V. INSTALLATION OF BOXES AND FITTINGS

- A. POSITION RECESSED OUTLET BOXES ACCURATELY TO ALLOW FOR SURFACE FINISH THICKNESS.
- B. FASTEN ELECTRICAL BOXES FIRMLY AND RIGIDLY TO SUBSTRATES OR STRUCTURAL SURFACES TO WHICH ATTACHED OR SOLIDLY EMBED ELECTRICAL BOXES IN CONCRETE OR MASONRY.

##### VI. LOCATIONS OF OUTLETS

- A. IN GENERAL THE VARIOUS OUTLETS ARE TO BE LOCATED AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR TO THE CENTER LINE OF BOX, UNLESS NOTED OTHERWISE AT AN INDIVIDUAL OUTLET ON THE DRAWINGS:
  1. WALL SWITCHES (VERT. MTD.) 48"
  2. RECEPTACLES (VERT. MTD.) 18"
  3. PHONE OUTLETS (VERT. MTD.) 18"
  4. OUTLETS ABOVE COUNTERS (HORZ. MTD.) 6" ABOVE BACKSPASH.
- B. OUTLET MOUNTING HEIGHTS INDICATED ON THE DRAWINGS AT OUTLETS TAKE PRECEDENCE. REFER TO DRAWINGS FOR DETAILS OF OTHER EQUIPMENT MOUNTING HEIGHTS. MOUNTING HEIGHTS FOR FLUSH OUTLETS IN BLOCK WALLS MAY BE CHANGED FOR INSTALLATION. CONSULT OWNER'S REPRESENTATIVE IN FIELD PRIOR TO ANY SUCH INSTALLATION.

#### CONNECTIONS FOR EQUIPMENT

##### I. CONNECTIONS FOR EQUIPMENT

- A. GENERAL: FOR EACH ELECTRICAL CONNECTION INDICATED PROVIDE COMPLETE ASSEMBLY OF MATERIALS, INCLUDING BUT NOT NECESSARILY LIMITED TO, PRESSURE CONNECTORS, TERMINALS (LUGS), ELECTRICAL INSULATING TAPE, HEAT-SHRINKABLE INSULATING TUBING, CABLE TIES, SOLDERLESS WIRE-NUTS, AND OTHER ITEMS AND ACCESSORIES AS NEEDED TO COMPLETE SPLICES AND TERMINATIONS OF TYPES INDICATED.

#### WIRING DEVICES

##### I. WIRING DEVICES

- A. THE EXTENT OF WIRING DEVICE WORK IS INDICATED BY THE DRAWINGS AND SCHEDULES.
- B. PROVIDE WIRING DEVICES WHICH ARE U.L. LISTED AND LABELED.

##### II. ACCEPTABLE MANUFACTURERS

- A. HUBBELL CO.
- B. GENERAL ELECTRIC CO.
- C. LEVITON MFG. CO.

##### III. FABRICATED WIRING DEVICES

- A. SWITCHES SHALL BE 20 AMP. 120/277 VOLT RATED, HUBBELL #1221 – IVORY OR STAINLESS STEEL..
- B. RECEPTACLES SHALL BE 20 AMP 125 VOLT RATED, HUBBELL #5362 – IVORY OR STAINLESS STEEL. FOR OTHER APPLICATIONS REFER TO THE DRAWINGS.
- C. PROVIDE SMOOTH FINISH PLATES FOR ALL DEVICES WITH APPROPRIATE MOUNTING ARRANGEMENTS FOR GAUGED DEVICES. FOR TELEPHONE AND COMPUTER/AMX AND MICROPHONE OUTLETS PROVIDE BUSHED HOLE COVER PLATES. PLATES SHALL BE IVORY, OR STAINLESS STEEL.
  1. GRAY STAINLESS STEEL PLATES FOR SERVICE AREAS, KITCHEN STORAGE AND RESTROOMS.
  2. IVORY PLATES FOR ALL OTHER.
  3. IVORY DEVICES WHERE 302 STAINLESS STEEL OR IVORY PLATES ARE USED.

#### MOTOR DISCONNECTS

##### I. DISCONNECT SWITCHES

- A. ACCEPTABLE MANUFACTURERS
  1. SQUARE D COMPANY
  2. SIEMENS
- B. HEAVY-DUTY SAFETY SWITCHES: PROVIDE SURFACE MOUNTED, HEAVY DUTY TYPE, SHEET STEEL ENCLOSED SWITCHES, OF TYPES, SIZES AND WITH ELECTRICAL CHARACTERISTICS INDICATED: INCORPORATING QUICK-MAKE QUICK-BREAK TYPE SWITCHES: SWITCH BLADE SHALL BE VISIBLE IN OFF POSITION WITH THE DOOR OPEN. EQUIP. WITH OPERATING HANDLE WHICH IS INTERGRAL PART OF ENCLOSURE BASE AND WHOSE OPERATING POSITION IS CLEARLY INDICATED AND IS PADLOCKABLE IN THE OFF POSITION. CONSTRUCT CURRENT CARRYING PARTS OF HIGH-CONDUCTIVITY COPPER AND SILVER- TUNGSTEN TYPE SWITCH CONTACTS. PROVIDE NEMA TYPE 3R ONLY.

#### PANELBOARDS

##### I. DESCRIPTION OF WORK

- A. TYPES OF PANELBOARDS FOR THIS PROJECT ARE AS FOLLOWS:
  1. 120/240V-1 PHASE 3W-SN.

##### II. ACCEPTABLE MANUFACTURERS

1. GENERAL ELECTRIC (TYPE AQ)

##### III. PANELBOARDS

- A. PROVIDE DEAD-FRONT SAFETY CONSTRUCTED FACTORY-ASSEMBLED CIRCUIT BREAKER TYPE PANELBOARDS IN SIZES AND RATINGS AS INDICATED. EQUIP. WITH PANELBOARD UNIT DEVICE, OF TYPES, RATINGS AND CHARACTERISTICS INDICATED. BUSS STRUCTURE AND MAIN LUGS OR MAIN BREAKER SHALL HAVE CURRENT RATINGS AS SHOWN ON THE PANELBOARD SCHEDULE, SUCH RATINGS SHALL BE ESTABLISHED BY TEST CONDUCTED IN ACCORDANCE WITH UNDERWRITERS LABORATORIES STANDARD UL 67. THE USE OF CONDUCTOR DIMENSIONS WILL NOT BE ACCEPTED IN LIEU OF ACTUAL HEAT TEST. BUS BAR CONNECTIONS TO THE BRANCH CIRCUIT BREAKERS SHALL BE "PHASE-SEQUENCE" TYPE. THREE-PHASE, FOUR WIRE BUSSING SHALL BE SUCH THAT ANY THREE ADJACENT SINGLE-POLE BREAKERS ARE INDIVIDUALLY CONNECTED TO EACH OF THE THREE DIFFERENT PHASES IN SUCH A MANNER THAT TWO OR THREE-POLE BREAKERS CAN BE INSTALLED AT ANY LOCATION. ALL CURRENT CARRYING PARTS OF THE BUSS ASSEMBLY SHALL BE PLATED COPPER WITH CONDUCTIVITY OF NOT LESS THAN 98%.  
PANELBOARD ENCLOSURE: PROVIDE GALVANIZED SHEET STEEL CABINET TYPE ENCLOSURES, IN SIZES AND NEMA TYPES AS INDICATED, CODE GAUGE MINIMUM 16-GAUGE THICKNESS. CONSTRUCT WITH MULTIPLE KNOCKOUTS AND WIRING GUTTERS. PROVIDE FRONTS WITH ADJUSTABLE TRIM CLAMPS, AND DOORS WITH FLUSH LOCKS AND KEYS. ALL PANELBOARD ENCLOSURES KEYED ALIKE, WITH CONCEALED PIANO DOOR HINGES. EQUIP WITH INTERIOR CIRCUIT DIRECTORY FRAME, AND CARD WITH CLEAR PLASTIC COVERING. PROVIDE BAKED GRAY ENAMEL FINISH OVER A RUST INHIBITOR COATING. PROVIDE ENCLOSURES FABRICATED BY SAME MANUFACTURER AS PANELBOARDS. MINIMUM DEPTH OF 5-3/4" & MINIMUM WIDTH OF 20" FOR "NO" PANELS.

#### LIGHTING FIXTURES

##### I. LIGHTING FIXTURES

- A. HANDLE LIGHTING FIXTURES CAREFULLY TO PREVENT DAMAGE, BREAKING AND SCORING. DO NOT INSTALL DAMAGED FIXTURES OR COMPONENTS, REPLACE WITH NEW.
- B. STORE LIGHTING FIXTURES IN A CLEAN DRY PLACE. PROTECT FROM WEATHER, DIRT, FUMES, WATER CONSTRUCTION DEBRIS AND PHYSICAL DAMAGE.
- C. SHIP FIXTURES FACTORY ASSEMBLED, WITH PARTS REQUIRED FOR A COMPLETE INSTALLATION.
- D. FLUORESCENT BALLAST SHALL BE CLASS P ELECTRONIC, LOW-ENERGY RAPID START SOUND RATED A.
- E. PROVIDE HID LAMP BALLAST CAPABLE OF OPERATING LAMP TYPES WITH RATINGS INDICATED, REACTOR TYPE, HIGH POWER FACTOR CORE AND COIL ASSEMBLY ENCAPSULATED IN NON MELT RESIN, INSTALL CAPACITOR OUTSIDE BALLAST ENCAPSULATION FOR EASY FIELD REPLACEMENT.
- F. PROVIDE FLUORESCENT LAMPS OF TYPES INDICATED.
- G. PROVIDE HID LAMPS IN WATTAGES AND TYPES INDICATED.
- H. PROVIDE INCANDESCENT LAMPS IN THE SIZES AND RATED AS INDICATED AND 130 VOLT

RATED.

- I. PROVIDE FIXTURES AND/OR FIXTURE OUTLET BOXES WITH HANGERS TO PROPERLY SUPPORT FIXTURE WEIGHT.
- J. INSTALL FLUSH MOUNTED FIXTURES TO ELIMINATE LIGHT LEAKAGE BETWEEN FRAME AND FINISHED SURFACE.
- K. AT DATE OF SUBSTANTIAL COMPLETION REPLACE LAMPS IN ALL FIXTURES WHICH ARE OBSERVED TO BE INOPERATIVE OR NOTICEABLY DIMMED AFTER CONTRACTORS USE AS JUDGED BY THE OWNER'S REPRESENTATIVE

#### GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
2. CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL INSTALLATION INCLUDING ALL WORK CUSTOMARILY INCLUDED EVEN IF NOT SPECIFICALLY CALLED OUT.
3. THE ELECTRICAL CONTRACTOR SHALL CAREFULLY COORDINATE HIS WORK WITH OTHER CONTRACTORS THROUGH THE GENERAL CONTRACTOR FOR SPACE REQUIREMENTS, ETC.
4. CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT NAMEPLATE DATA BEFORE ANY WORK IS DONE AND MAKE ANY ADJUSTMENTS IN BREAKER AND WIRE SIZE AS MAY BE REQUIRED.
5. SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS OR BE IN DOUBT AS TO INTENT, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT OR ENGINEER.
6. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT HEIGHT OF ALL COUNTER TOPS AND BACK-SPLASHES ON CASEWORK SHOP DRAWINGS, AND CHANGE SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS INDICATED AS REQUIRED SO THAT BOTTOM OF OUTLET BOX IS 2" ABOVE TOP OF BACKSPASH OR IF NO BACKSPASH IS USED, 4" ABOVE COUNTERTOP.
7. VERIFY ALL DOOR SWINGS WITH ARCHITECT BEFORE ROUGHING LIGHT SWITCHES.
8. CONTRACTOR SHALL CHECK ALL LIGHT FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN.
9. BRANCH CIRCUITS #12 A.W.G. AND 1/2" CONDUIT (GALVANIZED) MINIMUM. CONDUCTORS SHALL BE 98% CONDUCTIVITY COPPER, THWN TYPE INSULATION. SERVICE AND FEEDER CONDUCTORS SHALL HAVE TYPE RHH INSULATION.
10. VOLTAGE DROP: FOR 20 AMP CIRCUITS OVER 100FT. AND LESS THAN 175 FT, USE #10 CONDUCTORS. FOR 20 AMP CIRCUITS OVER 174 FEET AND LESS THAN 275 FEET, USE #8 CONDUCTORS.
11. ALL CIRCUIT BREAKERS SHALL BE FULLY RATED WITH INTERRUPTING CAPACITY TO MEET AVAILABLE FAULT CURRENTS.
12. CONCEAL ALL CABLES, FEEDERS, AND BRANCH CIRCUITS WHERE CEILING IS PRESENT.
13. ALL CIRCUITS SHALL CONTAIN A GROUNDING CONDUCTOR SIZED PER NEC. CONDUIT SHALL NOT BE USED AS THE PRIMARY GROUNDING MEANS.
14. FOR ALL SINGLE-PHASE CIRCUITS SHARING A NEUTRAL WITH OTHER SINGLE-PHASE CIRCUITS, CONTRACTOR SHALL INSTALL CIRCUIT BREAKER HANDLE TIES WHICH WILL PROVIDE FOR SIMULTANEOUS DISCONNECTION OF ALL CIRCUIT BREAKERS FOR CIRCUITS WHICH SHARE THE SAME NEUTRAL. HANDLE TIE SHALL NOT PREVENT THE REQUIRED TRIPPING OF A BREAKER.



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architecture . planning . interior design

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A New Building For:



Cameron , NC 28326

RELEASES / DESCRIPTION / DATES

1	OWNER CHANGES	10.18.23
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NOT FOR CONSTRUCTION	<input type="checkbox"/>
RELEASED FOR CONSTRUCTION	<input checked="" type="checkbox"/>

DATE	08.01.2023
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DRAWN	DBM
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CHECKED	MEH
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APPROVED	HEI
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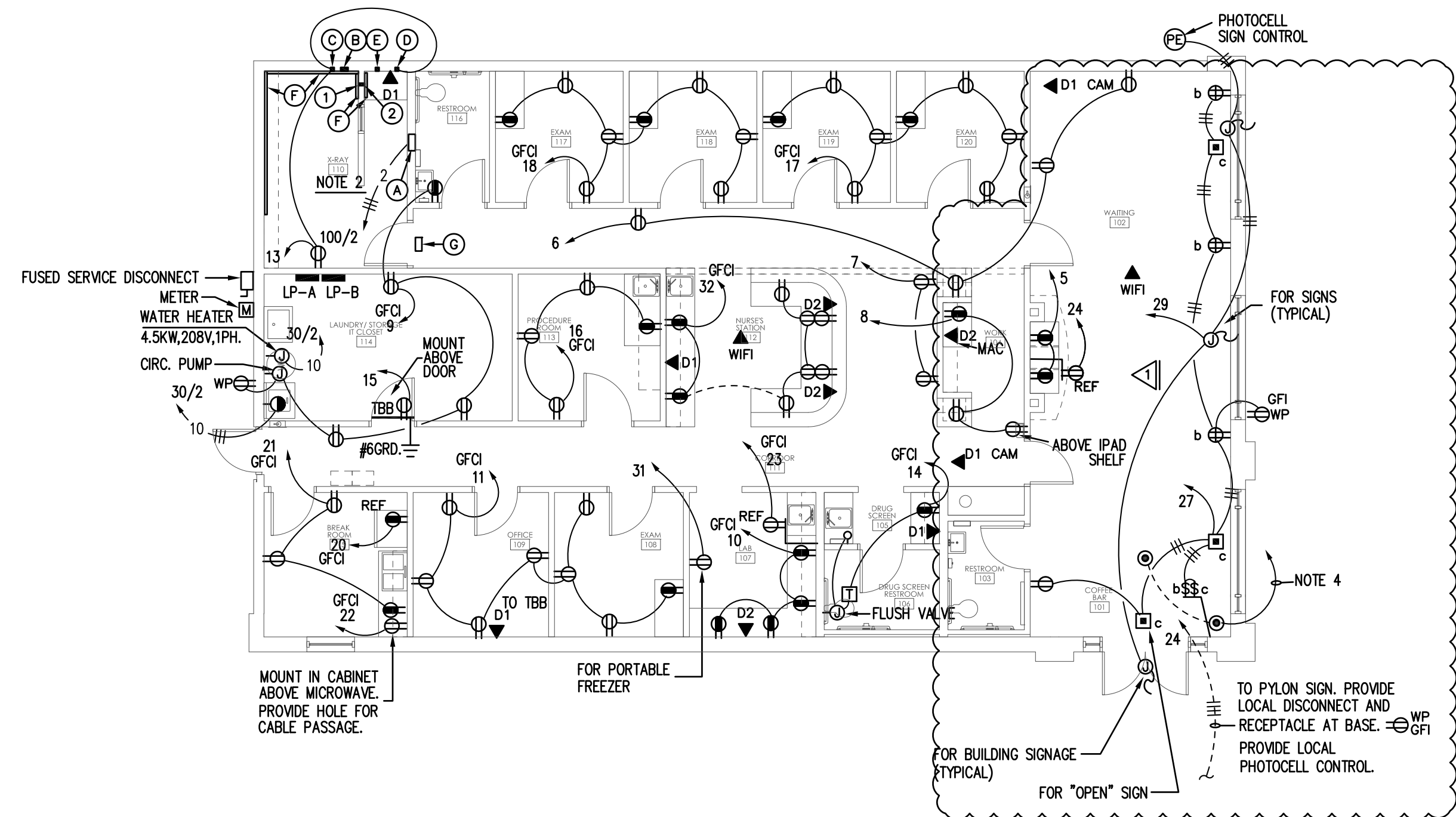
PROJECT NUMBER	23001.06
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SHEET TITLE

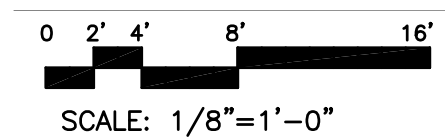
ELECTRICAL SPECIFICATIONS

DRAWING NO.

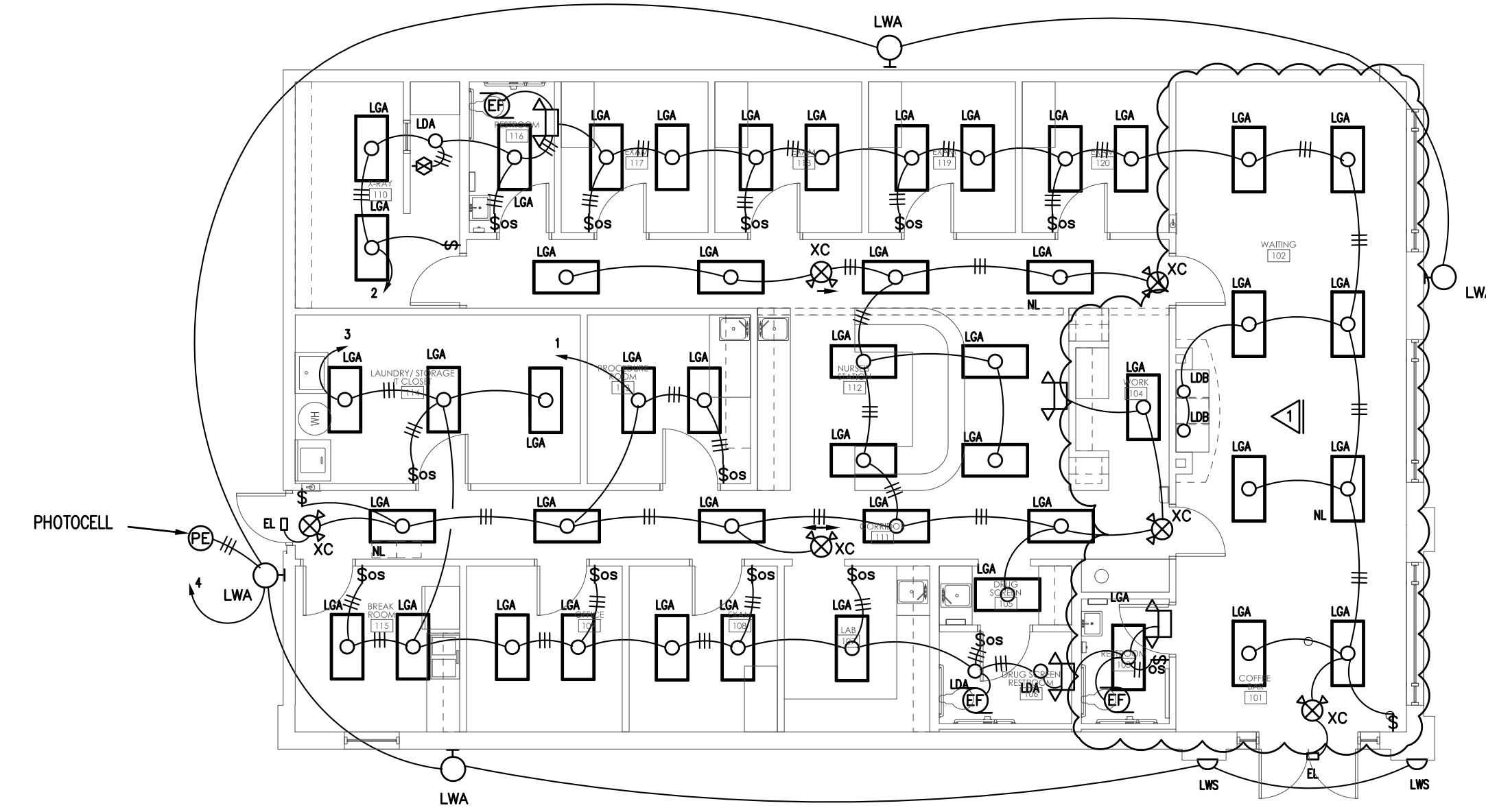
E0.2



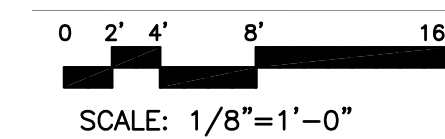
FLOOR PLAN POWER & AUXILIARY



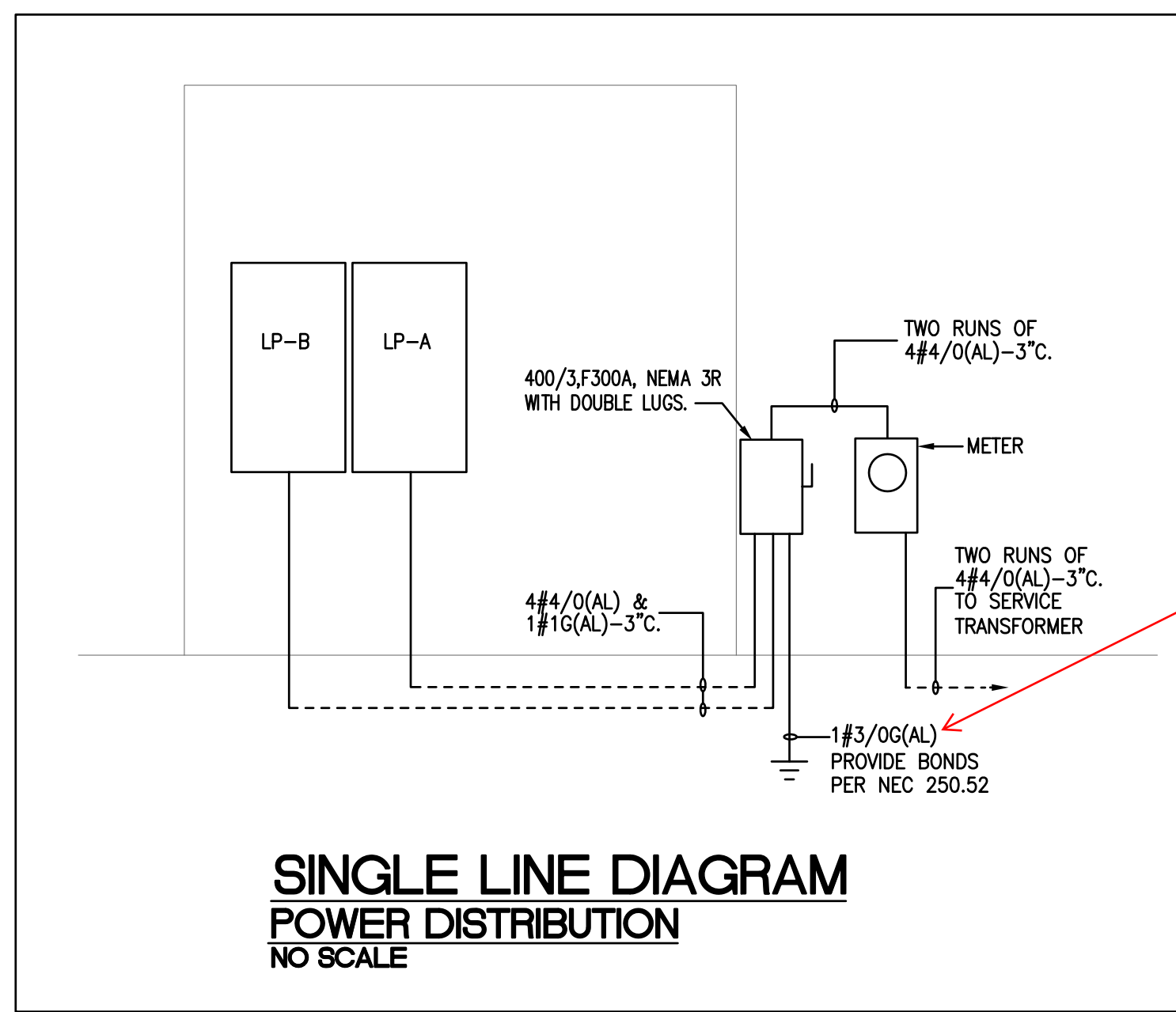
- SCALE: 1/8"=1'-0"
- NOTES:
1. VERIFY HVAC REQUIREMENTS WITH NAMPLATE DATA.
  2. REFER TO X-RAY VENDORS DRAWINGS FOR LEGEND AND ADDITIONAL ELECTRICAL REQUIREMENTS NOT DETAILED HERE.
  3. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF MINI FRIDGE RECEPTACLES WITH MILLWORK DRAWINGS.
  4. TO IT UPS IN ROOM 114. PROVIDE MC WHIP WITH GROUNDING ARMOUR PLUG AT UPS.



FLOOR PLAN LIGHTING

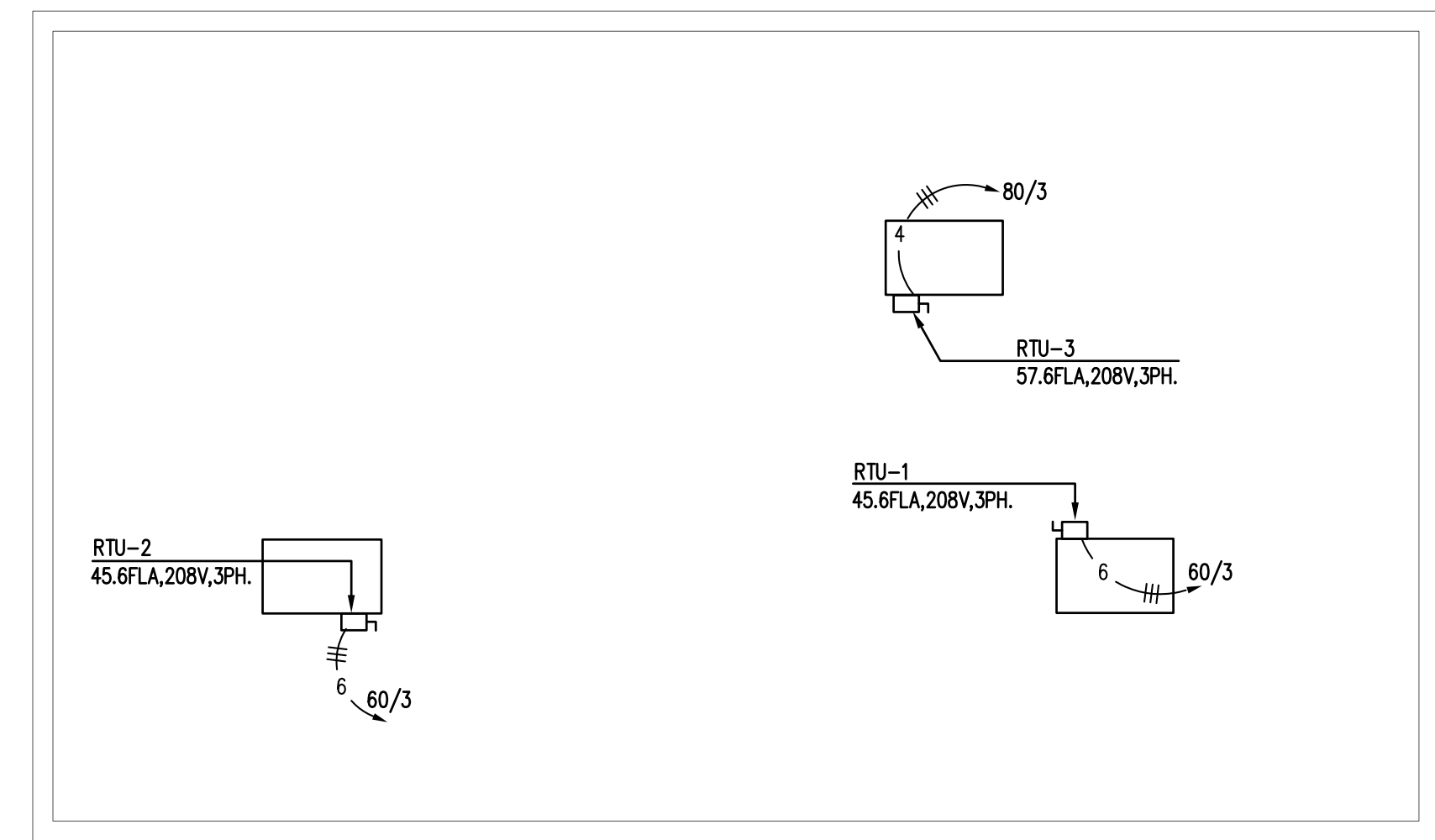


- SCALE: 1/8"=1'-0"
- NOTES:
1. VERIFY PLACEMENT OF LWA FIXTURES WITH OWNER.

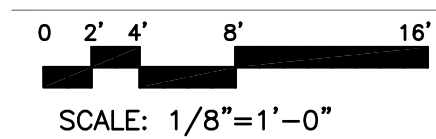


SINGLE LINE DIAGRAM  
 POWER DISTRIBUTION  
 NO SCALE

AL shall not be installed within 18 inches of the ground on the exterior of the building.



FLOOR PLAN HVAC POWER



A New Building For:



Cameron, NC 28326

RELEASES / DESCRIPTION / DATES

1	OWNER CHANGES	10.18.23
---	---------------	----------

NOT FOR CONSTRUCTION   
 RELEASED FOR CONSTRUCTION

DATE	08.01.2023
DRAWN	DBM
CHECKED	MEH
APPROVED	HEI

PROJECT NUMBER 23001.06

SHEET TITLE  
 ELECTRICAL FLOOR PLANS

DRAWING NO.  
**E2.1**