

A New Building For:



# MainStreet



**FAMILY URGENT CARE**

## ERWIN, NORTH CAROLINA

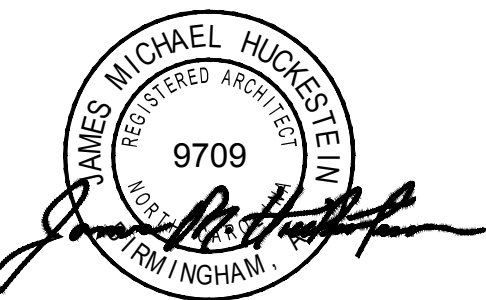
NOTICE TO CONTRACTOR  
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

Reviewed for Code Compliance

09/26/2022

architecture . planning . interior design




James m.  
huckestein  
architect, AIA

architecture . planning . interior design

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A New Building For:



**MainStreet**  
**FAMILY URGENT CARE**

25 Professional Park 28339  
Erwin, North Carolina

RELEASES / DESCRIPTION / DATES

NOT FOR CONSTRUCTION   
RELEASED FOR CONSTRUCTION

DATE 08.02.2022  
DRAWN AP/MEH  
CHECKED ENH  
APPROVED H+HA

PROJECT NUMBER 22046.10

SHEET TITLE  
TITLE SHEET

DRAWING NO. T1.1

### GRAPHIC SYMBOLS

**(A01)** DOOR NUMBER refer door schedule

**(A)** WINDOW SYMBOL window type A

**OFFICE**

**100** ROOM NAME & NUMBER

**SD-1** SUPPLEMENTAL DRAWING see project manual

**01** **(A1.1)** **02** INTERIOR ELEVATION SYMBOL see floor plans

**03** PARTITION TYPE refer partition legend

**01** SHEET NOTE SYMBOL see sheet keynotes

**01** **(A5.1)** BUILDING SECTION SYMBOL see floor plans & building sections

**01** **(A5.3)** SECTION CUT SYMBOL see floor plans, wall sections & details

**01** **(A1.1)** MATCH LINE & SYMBOL see floor plans

**01** **(A2.1)** EXTERIOR ELEVATION SYMBOL see floor plan & elevation sheets

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

**REVISION TO DRAWING SYMBOL** see sheet revisions

### MATERIAL SYMBOLS

BRICK	CONCRETE	PRE-CAST CONCRETE
EARTH / UNDISTRUBED	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 SECTION)
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)

### 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 Plastic Laminated
ACT Acoustical Ceiling Tile	FC Face of	PLY Plywood
ADD Addendum	FF Face to Face	PM Perimeter
AFF Above Finish Floor	FN Finish (end)	PNL Panel
ALT Alternate	FR Floor	PNT Point (end)
ALUM Aluminum	FRG Flange	PSF Pounds Per Square Inch
APPROX Approximate	FND Foundation	PT Point / Pressure Treated
ARCH Architect (arch)	FOC Face of Brick	PV Polyvinyl Chloride
B&B Bagged and Burlapped	FOM Face of Masonry	PVMT Pavement
B/B Back to Back	FOS Face of Stud	QT Quarry Tile
BC Back of Curb	FR Framed (end)(ing)	R Riser
BD Board	FT Foot/feet	RA Return Air
BLDG Building	FL Flooring	RAD Radius
BLK Block	GL Glaze/Glue	RB Rubber Base
BLDG Blocking	GA Gauge	RCP Reinforced Concrete Pipe
BM Beam	GALV Galvanized	RD Roof Drain
B.M. Benchmark	GB Grab Bar	REBAR Reinforcement Bar
BT Bottom	GI Galvanized Iron	REF Refrigerator / Reference
BRG Bearing	GW Gypsum Wall Board	RENF Required (end)(ing)
BRK Brick	GYP Gypsum (Wall / Soffit Board)	REQ Required
BSMT Basement	HC Hollow Core / Handicap	RET Retaining
BT Bent	HDW Hardware	REV Revision / Revised
BUIR Built-Up Roof	HK Hook	RFG Roofing
BW Bottom of Wall	HM Hollow Metal	RH Right Hand
CAB Cabinet	HO Horizontal	RM Room
CAL Caliper	HP High Point / 1/2 Pile Beam	R.A.L. Reinforced Masonry
CB Catch Basin	HT Height	RO Rough Opening
C/C Center to Center	HGT Height	ROW Right of Way
CD Core Deck	HVAC Heating, Ventilation & Air Conditioning	RUL Roof Top Unit
CF Cubic Foot	ID Inside Diameter	RVS Reversed (side)
CHAN Channel	IE Invert Elevation	SCW Solid Core Wood
CI Cast Iron	IF Inside Face of Stud	SCH Schedule
CIP Cast Iron Pipe	IJ Isolation Joint	SD Section
CJ Construction or Control Joint	IN Inch / inches	SECT Section / Shelving
CL Center Line	INS Insulation	SH Similar
CLG Ceiling	JAN Janitor's Closet	SPEC Specification (s)
CLO Closet	JG Joint Gutter	SG Square
CLR Clear (ance)	JT Joint	SS Sanitary Sewer
CLS Closure	K Thousand	SST Stainless Steel
CMP Corrugated Metal Pipe	KP 1000#	ST Steel
CMU Concrete Masonry Unit	KJ Key Joint	STD Standard
CO Clean Out	KSI 1000# Per Square Inch	STOR Storage
COL Column	LAM Laminated (d)	STRUCT Structural
CONC Concrete	LF Linear Foot	SV Square Yard
CONCT Construction	L Length	T Thread
CONT Continuous or Continue	LAV Laboratory	T/ Top of
CONTR Contract or Contractor	LH Left Hand	TELE Telephone
CR Carpel (left)	LL Live Load	T&G Tongue and Groove
CRS Course(s)	LLH Long Leg Horizontal	THK Thick (ness)
CS Countersink	LLV Long Leg Vertical	TOS Top of Slab
CT Ceramic Tile	LP Low Point	TS Tubular Steel
CTR Center	LQ Light Gage	T/FTG Top of Footing
CTY Cubic Yard	LT Light	TJ Top of Joint
D Dyer	MAS Masonry	T/S Top of Slab
DBL Double	MATL Material	TW Top of Wall
DEM Demolish or Demolition	MAX Maximum	TYP Typical
DEMO Demolition	MC Misc. Channel	UZ Unless Noted Otherwise
DH Double Hung	MCJ Masonry Control Joint	VAR Varnish
DI Diameter	MCH Mechanical	VB Vinyl Base
DIAG Diagonal	MEZZ Mezzanine	VCT Vinyl Composition Tile
DIM Dimension	MFR Minimum	VERT Vertical
DP Ductile Iron Pipe	MISC Miscellaneous	VIN Vinyl
DL Dead Load	MR Mirror	V-J V-Joint (ed)
DR Door	MO Masonry Opening	VWC Vinyl Wall Covering
DS Downspout	MOUNT Mount (ed) (ing)	W Washer / Width / Wide Flange
DWG Drawing	MULL Mullion	WB Wood Base
DF Drinking Fountain	NIC Not in Contract	WC Water Closet
EA Each	NO Number	WD Wood
EF Each Face	NG Nominal	WH Wall Hung
EFS Exterior Insulation & Finish System	NTD Noted	W Window
ELEV Elevation / Elevator	N/S Not to Scale	WP Work Point
ELEC Electric (all)	OC On Carrier (s)	WSCT Wainscot
EMER Emergency	OD Outside Diameter	WT Walk to Wall
ENGR Engineer	OFI Owner Furnished Contractor Installed	WWF Waxed Wire Fabric
EOP Edge of Pavement	OFI Owner Furnished Owner Installed	WWM Waxed Wire Mesh
EOS Edge of Slab	OFS Outside Face of Stud	W With
EPNT Epoxy Paint	OH Overhead	WO Without
EQ Equal	O.H. Opposite Hand	
EW Each Way	OPG Opening	
EW Electric Water Cooler	OPH Opposite Hand	
EXIT Exhaust		
EXIST Existing		
EXP Expansion		
EXT Exterior		
FBO Furnished by Others		
FD Floor Drain		
FE Fire Extinguisher		
FEC Fire Extinguisher and Cabinet		

### VICINITY MAP



### VICINITY MAP

### BUILDING CODE SUMMARY

PROJECT NAME: Main Street Family Urgent Care

ADDRESS: 25 Professional Park 28339, Erwin, North Carolina

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,
PLUMBING	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  IBA  IIB  IVA  IVB

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

SPRINKLED (YES/NO): NO

FIRE DISTRICT (YES/NO): NO

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

MEZZANINE (YES/NO): NO

HIGH RISE (YES/NO): NO

GROSS TENANT AREA: 3,218 SQ. FT.

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

IF YES, CALCULATION: \_\_\_\_\_

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	EXIST.	EXIST.	EXISTING

CLO/FLR ASSEMBLY:	EXIST.	N/A		
BEAMS:	NC	N/A		
COLUMNS:	NC	N/A		
CLO/ROOF ASSEMBLY:	EXIST.	N/A		
VERTICAL SHAFTS:	NC	N/A		
CHANGES - 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: 100 FEET

TOTAL OCCUPANT LOAD: 21 OCCUPANTS - SEE LS1.1 FOR BREAKDOWN

TOTAL EXIT WIDTH REQUIREMENT: 21'0.2=4.2'

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	08.02.2022	
T1.2 Abbreviations, Building Code Summary, Symbols.	08.02.2022	
T1.3 Vicinity Map & Drawing Index	08.02.2022	
T1.3 ADA Guidelines	08.02.2022	
T1.4 ADA Guidelines	08.02.2022	

LIFE SAFETY

LS1.1 Life Safety Plan	08.02.2022
	08.02.2022

ARCHITECTURAL

A1.1 Construction Floor Plan	08.02.2022
A1.2 Floor Finish Plan	08.02.2022
A2.1 Exterior Elevation	08.02.2022
A2.2 Exterior Elevation	08.02.2022
A3.1 Reflected Ceiling Plan	08.02.2022
A4.1 Roof Plan	08.02.2022
A5.1 Wall Sections	08.02.2022
A7.1 Interior Elevations	08.02.2022
A7.2 Interior Elevations	08.02.2022
A7.3 Millwork Sections	08.02.2022
A7.4 Enlarged Floor Plans	08.02.2022
A8.1 Door & Window Schedules & Details	08.02.2022

STRUCTURAL

S1.0 Structural Details	07.11.2022
S2.0 Foundation Plan	07.11.2022

MECHANICAL

M1.1 HVAC Schedules & Details, HVAC Plan	08.02.2022
M2.1 Floor Plan HVAC	08.02.2022

PLUMBING

P1.1 Plumbing Schedules & Details	08.02.2022
P2.1 Plumbing Pressure & Non-Press. Plans	08.02.2022

ELECTRICAL

E0.1 Electrical Symbols, Schedules & Notes	08.01.2022
E0.2 Electrical Specifications	08.01.2022
E2.1 Electrical Floor Plans	08.01.2022

### 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.
- PIPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED IN FURRED SPACES WITH THE EXCEPTION OF PIPING IN ROOMS WITH EXPOSED CEILING. 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 MITL 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 (UNDERWRITER'S LABORATORIES) PENETRATION ASSEMBLY.
- THE CONTRACTOR SHALL VERIFY THAT ACCESS PANELS ARE INSTALLED IN WALLS AND NON-ACCESSIBLE TYPE CEILING 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 2X4" P.T. WOOD BLOCKING IN THE WALLS FOR DOOR BUMPERS, STOPS, SHELVEING, 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 SERVICE(S) 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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DRAWN	AP/MEH
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APPROVED	H+HA
PROJECT NUMBER	22046.10
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

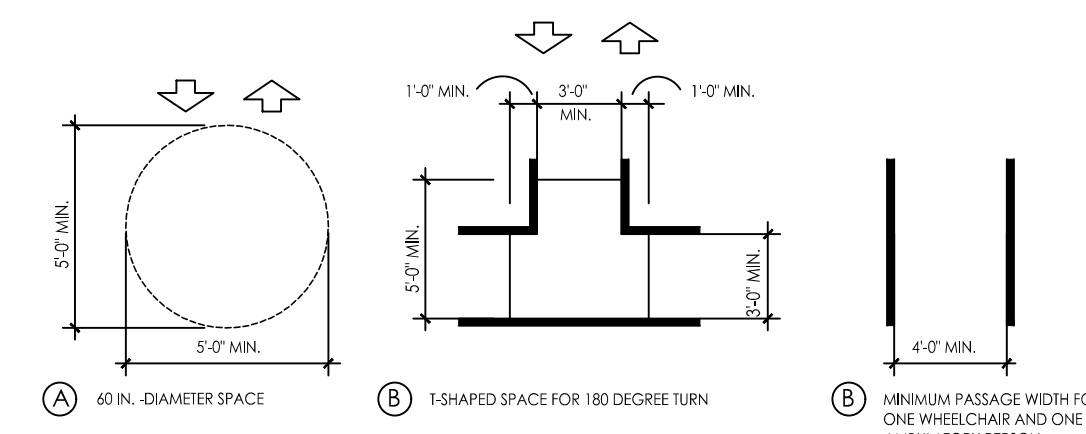
- A. THE MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR PASSAGE SHALL BE 32" AT A POINT AND 36" CONTINUOUSLY.

### SECTION 4.2.2 - WIDTH FOR WHEELCHAIR PASSING

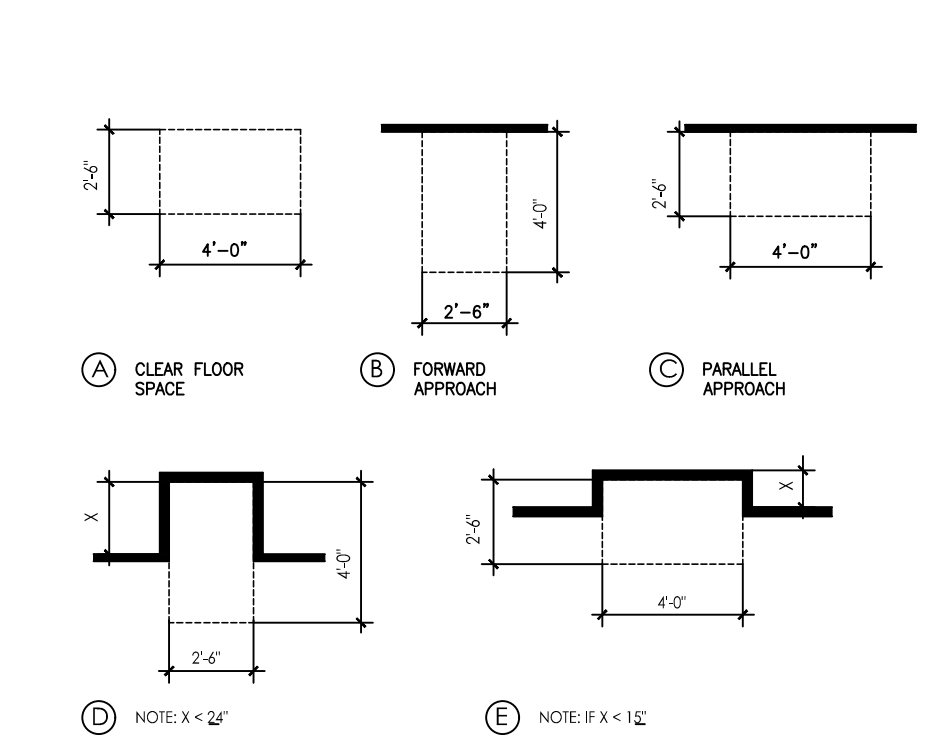
- A. THE MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS TO PASS IS 60".

### SECTION 4.2.4.1 - SIZE AND APPROACH

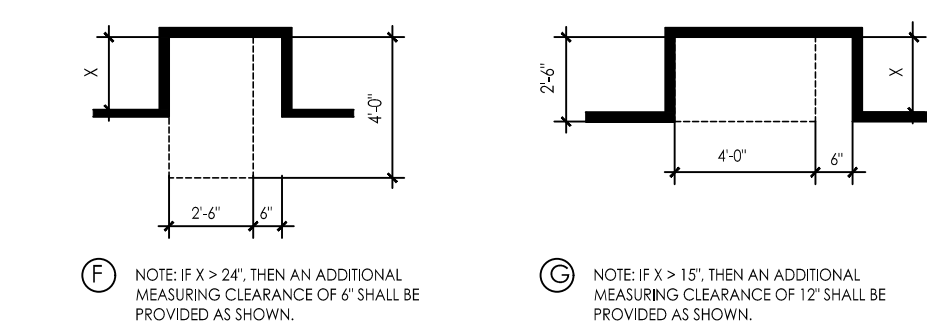
- A. MINIMUM CLEAR FLOOR SPACE FOR A WHEELCHAIR AND OCCUPANT SHALL BE 30" WIDE X 48" LONG. CLEAR FLOOR SPACE SHALL BE CENTERED ON THE ELEMENT IT SERVES.



### WHEELCHAIR TURNING SPACE



### CLEAR FLOOR SPACE IN ACCESS



### MINIMUM CLEAR SPACE FOR WHEELCHAIRS

## 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 200' MAX. SPACING.

### SECTION 4.3.5 - HEAD ROOM

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

### SECTION 4.3.7 - SLOPE

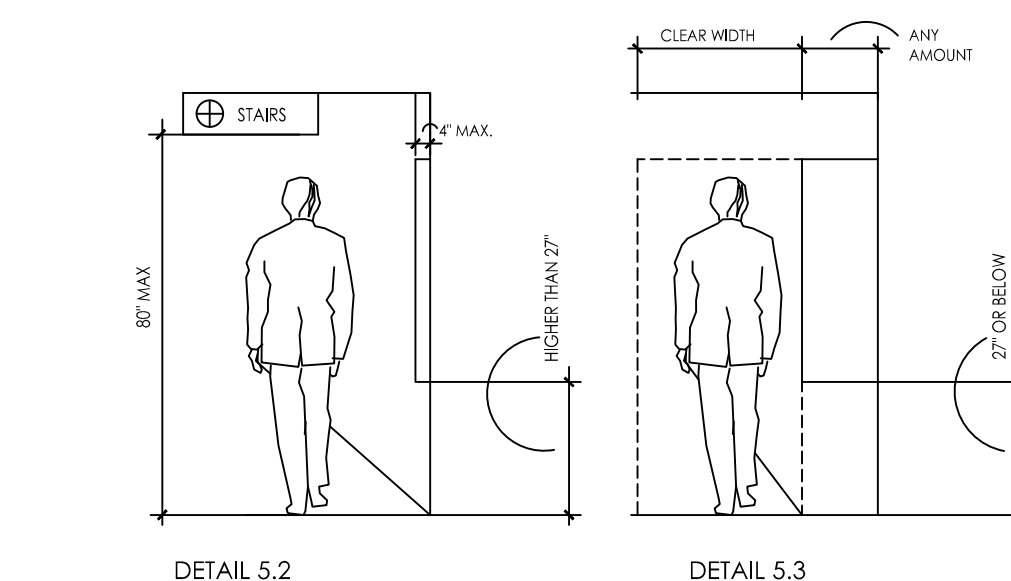
- A. RUNNING SLOPE SHALL NOT EXCEED 1:20 (IF SLOPE EXCEEDS 1:20, REFER TO SECTION 4.8).  
B. CROSS SLOPE SHALL NOT EXCEED 1:50

## 4.4 - PROTRUDING OBJECTS

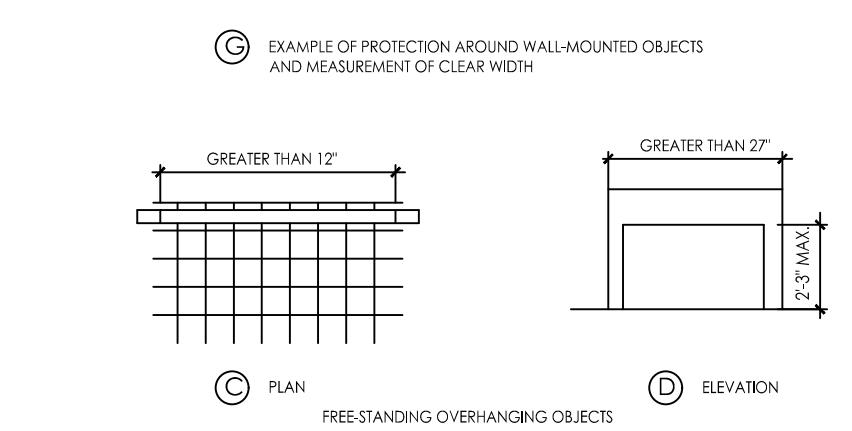
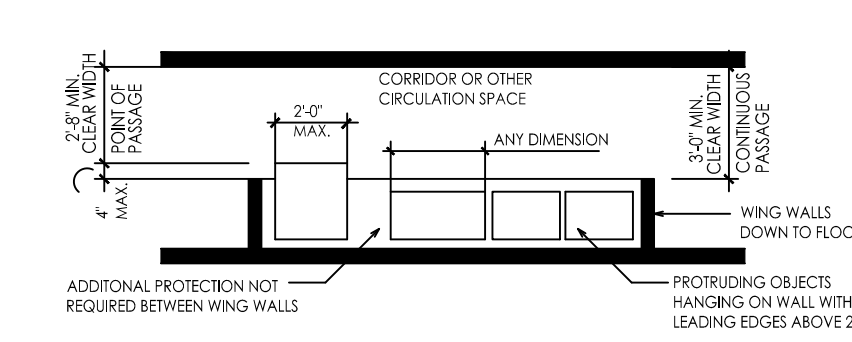
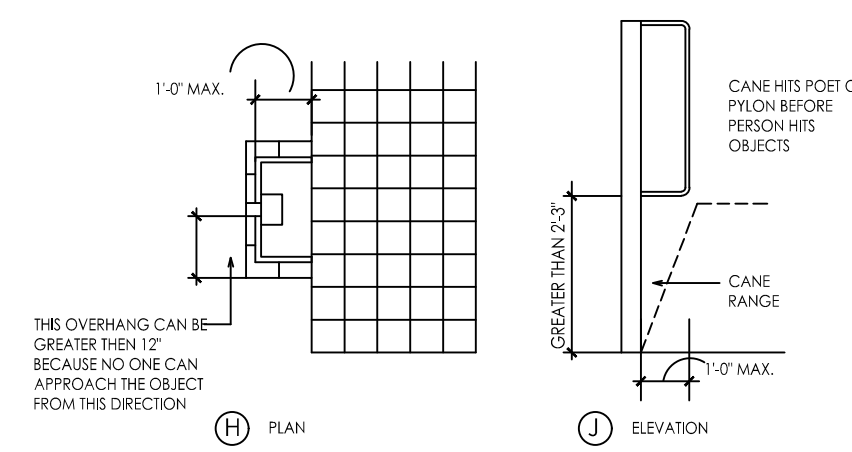
(REFER DETAILS 5.2 & 5.3)

### 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" INTO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27" ABOVE THE FINISHED FLOOR OR MAY PROTRUDE ANY AMOUNT, FREE-STANDING OBJECTS MOUNTED ON POSTS OR PLYONS 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.



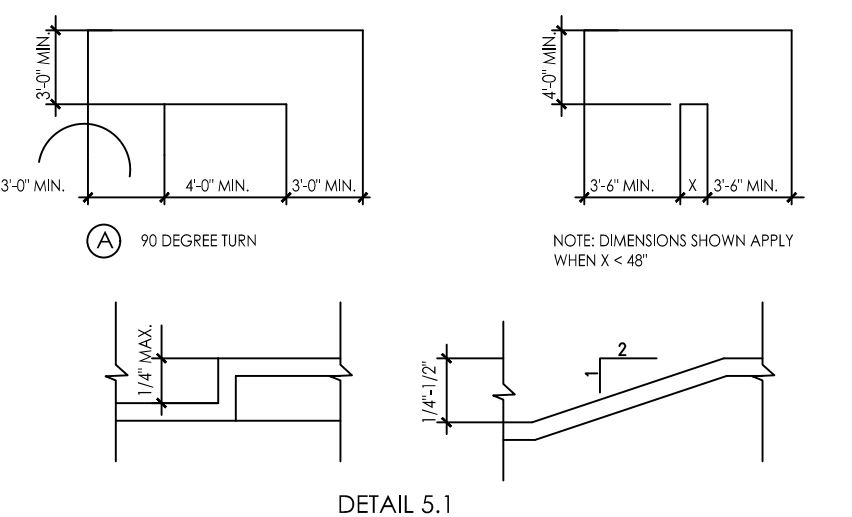
## 4.4 - PROTRUDING OBJECTS, CONTINUED



## 4.5 - GROUND AND FLOOR SURFACES

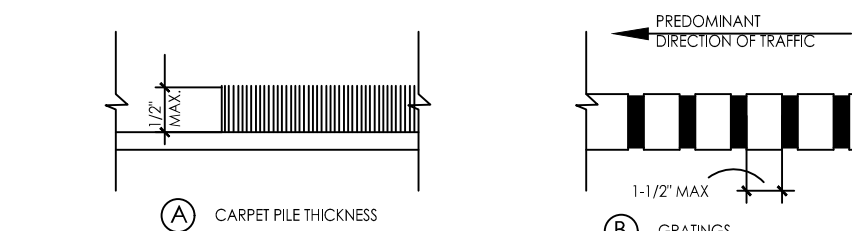
### SECTION 4.5.2 - CHANGES IN LEVEL (REFER TO DETAIL 5.1)

- 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 BEVELLED 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/NO CUT 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 OPENINGS, 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 ACCESSIBLE SPACES SHALL BE 60" WIDE. VAN ACCESSIBLE SPACES SHALL BE 96" WIDE.  
C. SURFACE SLOPE SHALL NOT EXCEED 1:50 (2 DEGREE) IN ALL DIRECTIONS.

### SECTION 4.6.4 - SIGNAGE

- A. CHARACTERS AND SYMBOLS ON SUCH SIGNS SHALL BE LOCATED 47" 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'-4" AT ACCESSIBLE PASSENGER LOADING ZONES AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE FROM SITE 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 ACCESSIBLE SPACES SHALL BE LEVEL WITH SURFACE SLOPE NOT EXCEEDING 1:50 IN ALL DIRECTIONS.

## 4.7 - CURB RAMP

### 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 RAMP, CONTINUED

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

- A. THE MINIMUM WIDTH OF A CURB RAMP SHALL BE 36", EXCLUSIVE OF FLARED SIDES.

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

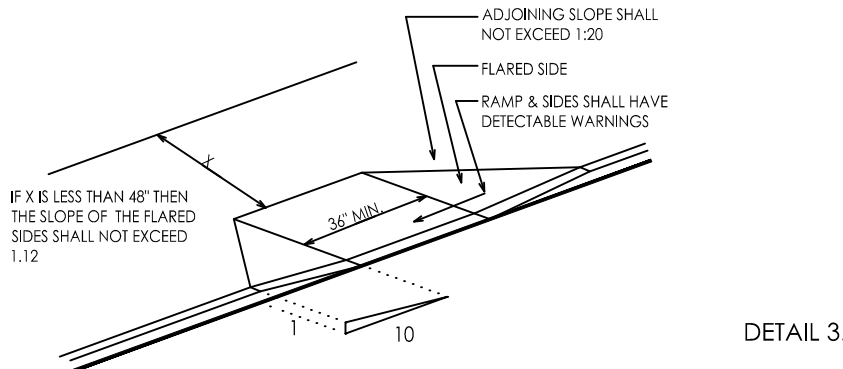
- A. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES; THE MAXIMUM SLOPE OF THE FLARE SHALL BE 1:10.

### 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 HANDRAILS. IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE AT LEAST A 2'-0" LONG SECTOR 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 RISER 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 1-1/2" 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 RESEAL 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 CENTERLINE 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 4.24. 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

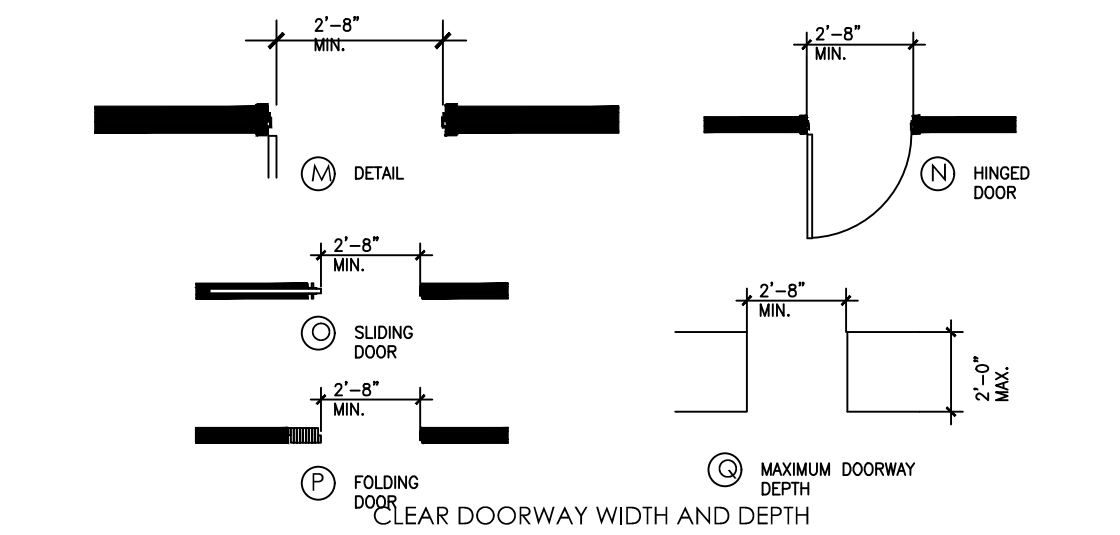
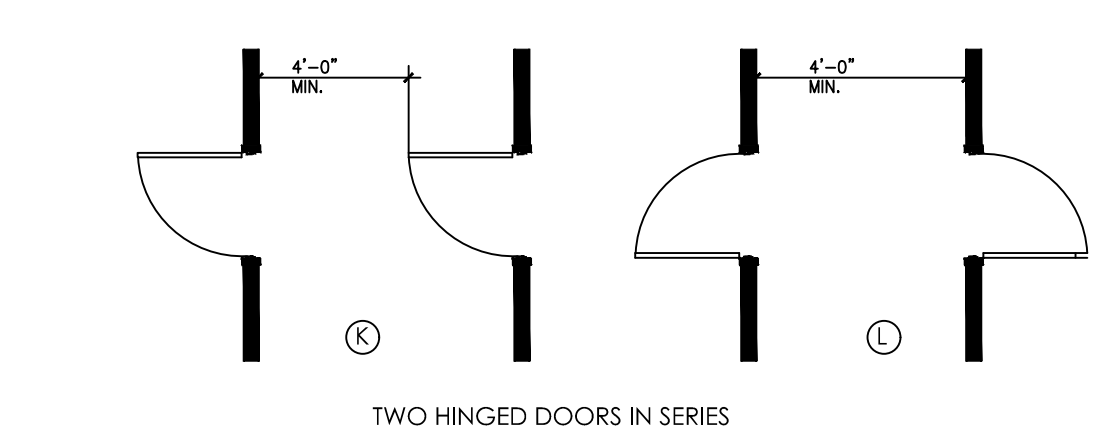
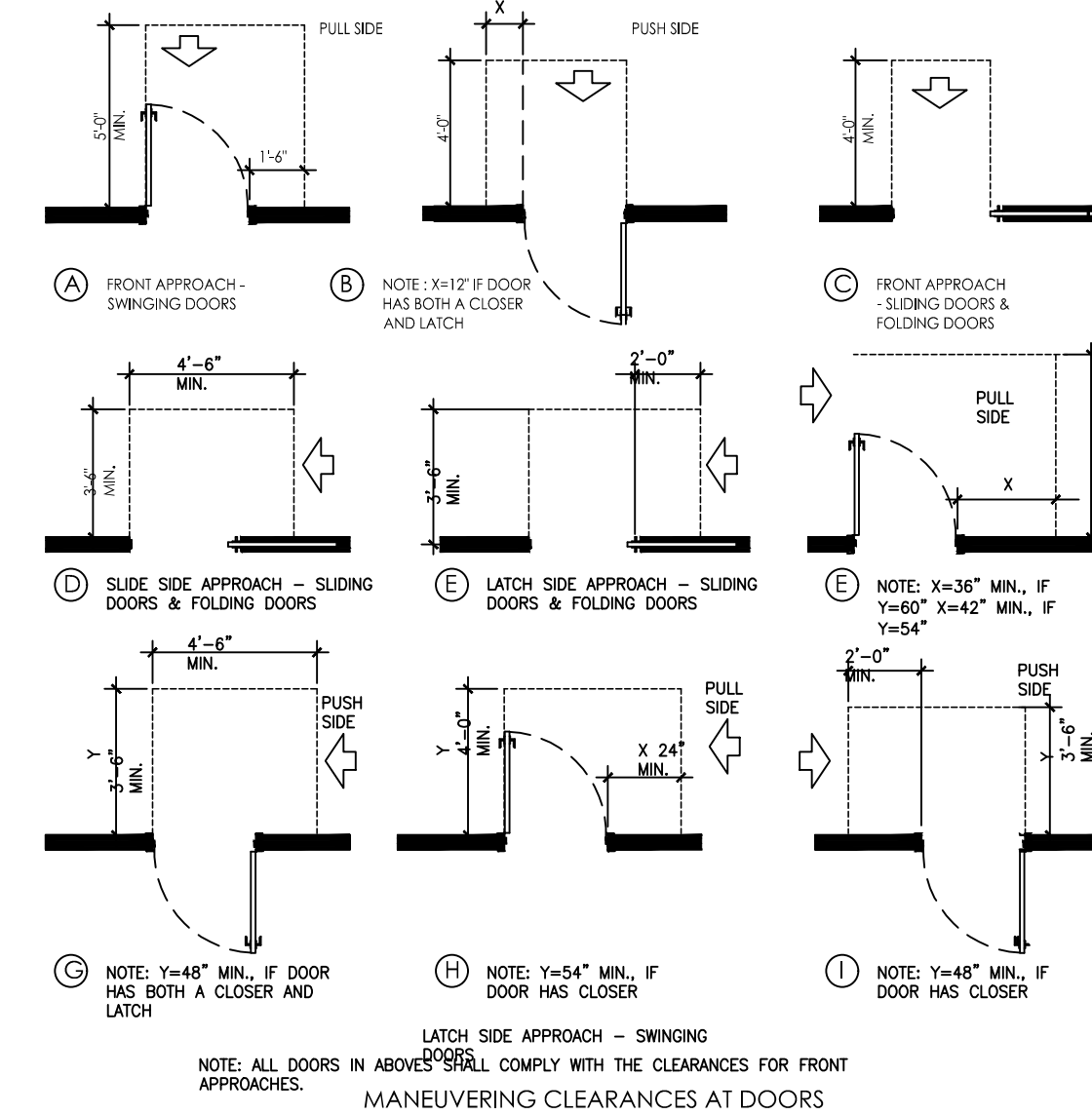
- A. DOORWAYS SHALL PROVIDE A CLEAR OPENING OF 32" MINIMUM, WITH THE DOOR OPEN 90".  
1. CLEAR OPENING SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND STOP.  
2. OPENINGS MORE THAN 24" IN DEPTH SHALL PROVIDE A CLEAR OPENING OF 36" MINIMUM.

- 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 PULL SIDE  
FRONT APPROACH PUSH SIDE  
HINGE SIDE APPROACH PULL SIDE  
HINGE SIDE APPROACH PUSH SIDE  
LATCH SIDE APPROACH PULL 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 FLOOR LEVEL CHANGES SHALL BE BEVELLED 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 70 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.

## 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.

### SECTION 4.15.3 - SPOUT LOCATION

- A. 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.

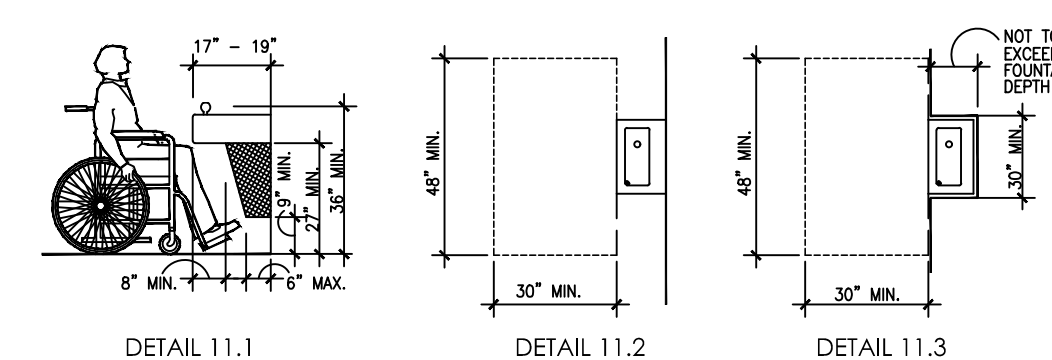
### SECTION 4.15.4 - CONTROLS

- 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 APRON 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 SPRUNG TO RETURN TO A LIFTED POSITION.

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

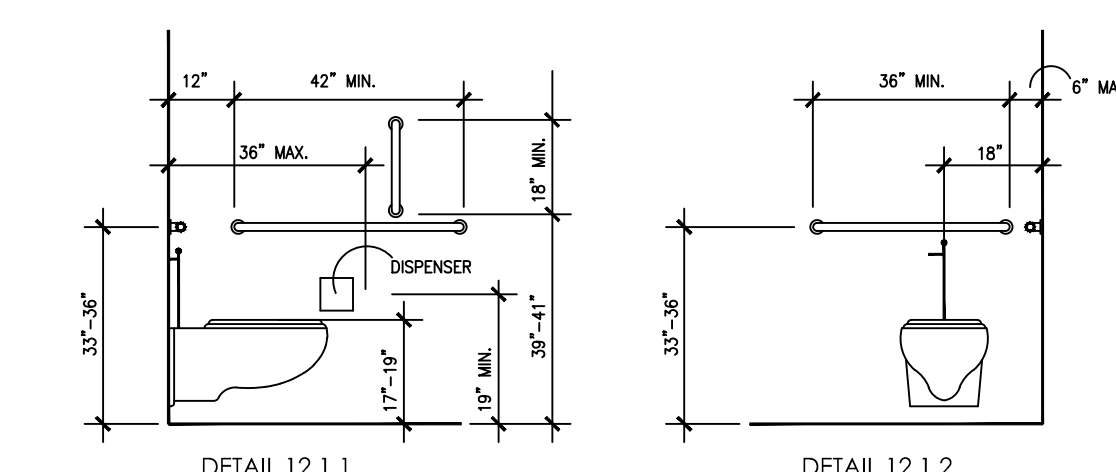
- A. FOR WATER CLOSETS NOT LOCATED IN TOILET STALLS, THE FOLLOWING GRAB BARS SHALL BE PROVIDED, 33"-36" ABOVE THE FINISH FLOOR:  
1. SIDE WALL: 42" LONG MINIMUM, 12" FRONT BACK WALL.  
2. BACK WALL: 36" LONG MINIMUM, 12" MINIMUM EACH SIDE OF WATER CLOSET CENTERLINE. REFER TO 4.26 GRAB BARS FOR SIZE AND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



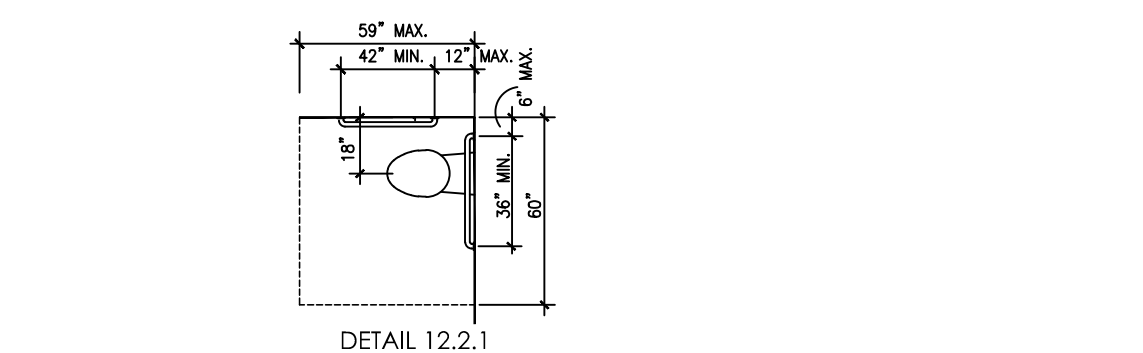
## 4.17 - TOILET STALLS

### 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 9 OR MORE TOILET STALLS ARE PROVIDED IN A TOILET ROOM OR BATHROOM IN ADDITION TO BE "STANDARD" ACCESSIBLE STALL REQUIRED, AN ADDITIONAL "ALTERNATE A" 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 A" OR "ALTERNATE B" SHALL (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 AREA:  
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 ALTERNATIONS):  
36" MINIMUM WIDTH.  
36" MINIMUM DEPTH, WITH FLOOR MOUNTED WATER CLOSET.  
66" MINIMUM DEPTH, WITH WALL MOUNTED WATER CLOSET.  
DOOR: OUTWARD SWINGING.  
3. "ALTERNATE B" ACCESSIBLE STALL (PERMITTED IN LIEU OF STANDARD STALL ONLY IN CERTAIN ALTERNATIONS):  
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 OF THE STALL AND ANY OBSTRUCTION SHALL BE 42" MINIMUM. (THIS IS AN EXCEPTION FROM TYPICAL DOOR MANEUVERING CLEARANCES).



# LIFE SAFETY GENERAL NOTES:

## BUILDING DATA:

OCCUPANCY: ■ BUSINESS (GROUP B)  
 MIXED OCCUPANCY?: YES/NO - SEPARATION NO HR.  
 CONSTRUCTION TYPE: ■ IIB  
 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: 3,218 SQ. FT.  
 1ST FLOOR 3,218 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 33 OCCUPANTS  
 EXIT WIDTH REQ. - 1ST FLOOR: 33 OCCUPANTS x 2 = 6.6  
 EXIT WIDTH PROVIDED. - 1ST FLOOR: 2 x 34 = 102' CLEAR

## PLUMBING REQUIREMENTS

OCCUPANT LOAD (50%) 33 OCCUPANTS 50% MALE = 17 50% FEMALE = 17  
 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) 17/25 = 1 WATERCLOSETS  
 WATERCLOSETS SUPPLIED (WOMEN) 2 WATERCLOSETS \*  
 LAVATORIES REQUIRED (WOMEN) (1 PER 40) 17/40 = 1 LAVATORIES  
 LAVATORIES SUPPLIED (WOMEN) (1 PER 40) 17/40 = 1 LAVATORIES

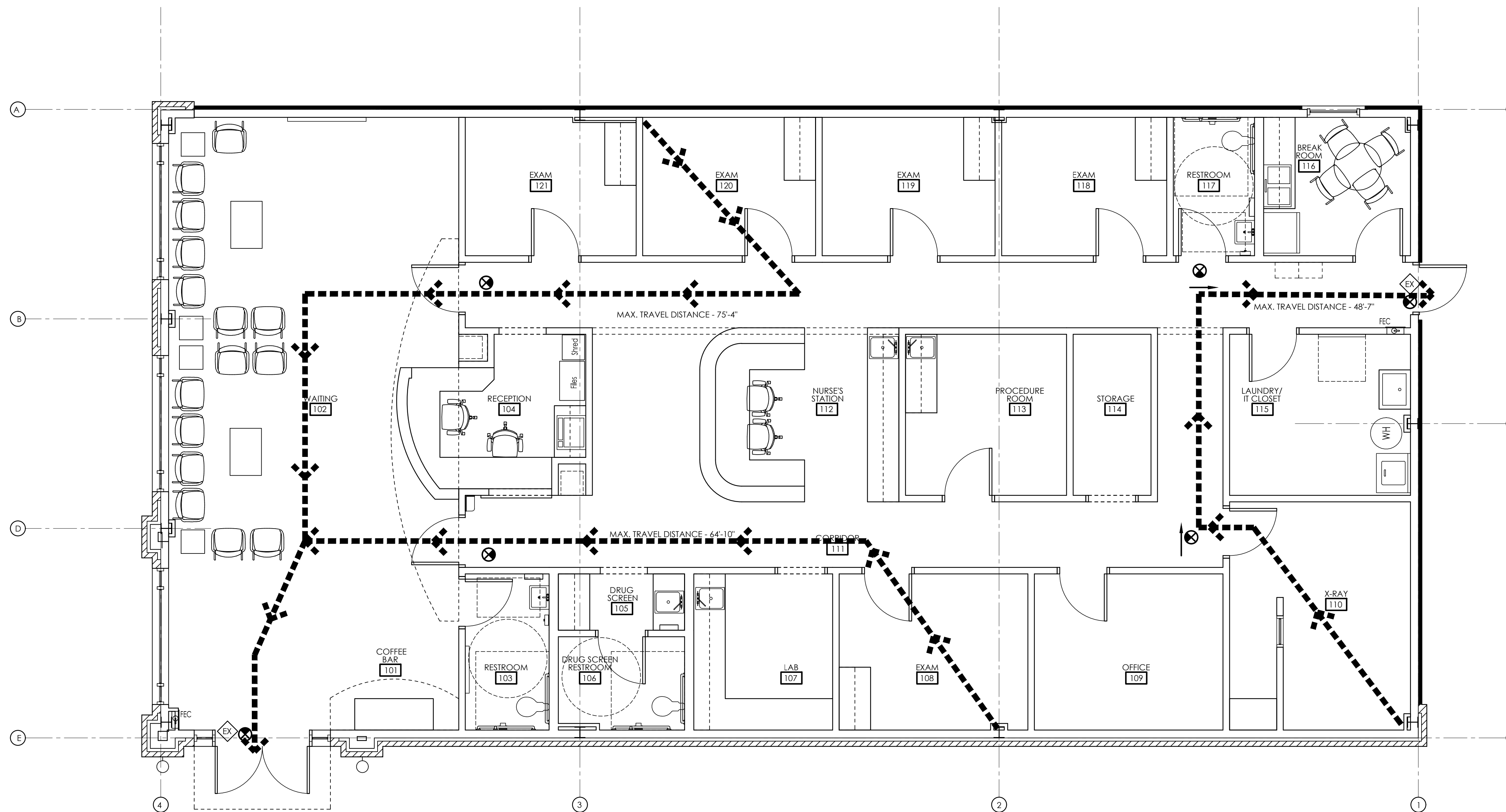
DRINKING FOUNTAINS REQUIRED (1 PER 100) 33/100 = 1 DRINKING FOUNTAINS  
 DRINKING FOUNTAINS SUPPLIED 0 DRINKING FOUNTAINS (per CDC RECOMMENDATIONS)  
 SERVICE SINK REQUIRED 1  
 SERVICE SINK SUPPLIED 1

\* 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.

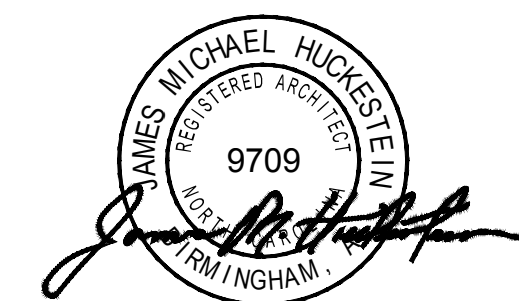
\* NOTE:  
 ALL EXTERIOR EGRESS DOORS ARE TO BE PROVIDED WITH PANIC HARDWARE AS SPECIFIED.

## LIFE SAFETY LEGEND:

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



LIFE SAFETY PLAN  
 SCALE: 1/4" = 1'-0"



James m. huckestein  
 architect, AIA

architecture . planning . interior design  
 2126 North Avenue  
 Birmingham, Alabama 35203  
 Phone (205) 322-1751  
 Fax (205) 322-1778  
 email info@hplusha.com  
 www.hplusha.com

A New Building For:

# MainStreet

FAMILY URGENT CARE

25 Professional Park 28339  
 Erwin, North Carolina

RELEASES / DESCRIPTION / DATES


NOT FOR CONSTRUCTION   
 RELEASED FOR CONSTRUCTION

DATE 08.02.2022  
 DRAWN AP/MEH  
 CHECKED ENH  
 APPROVED H+HA

PROJECT NUMBER 22046.10

SHEET TITLE  
 LIFE SAFETY PLAN

DRAWING NO. LS1.1

**PARTITION LEGEND:**

ALL INTERIOR PARTITIONS ARE TO EXTEND MIN. 6" ABOVE CEILING EXCEPT RESTROOM PARTITIONS TO EXTEND FULL-HEIGHT TO DECK.

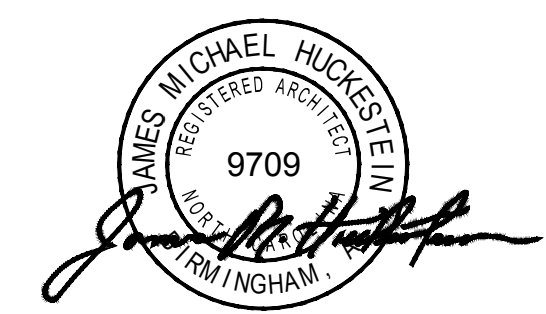
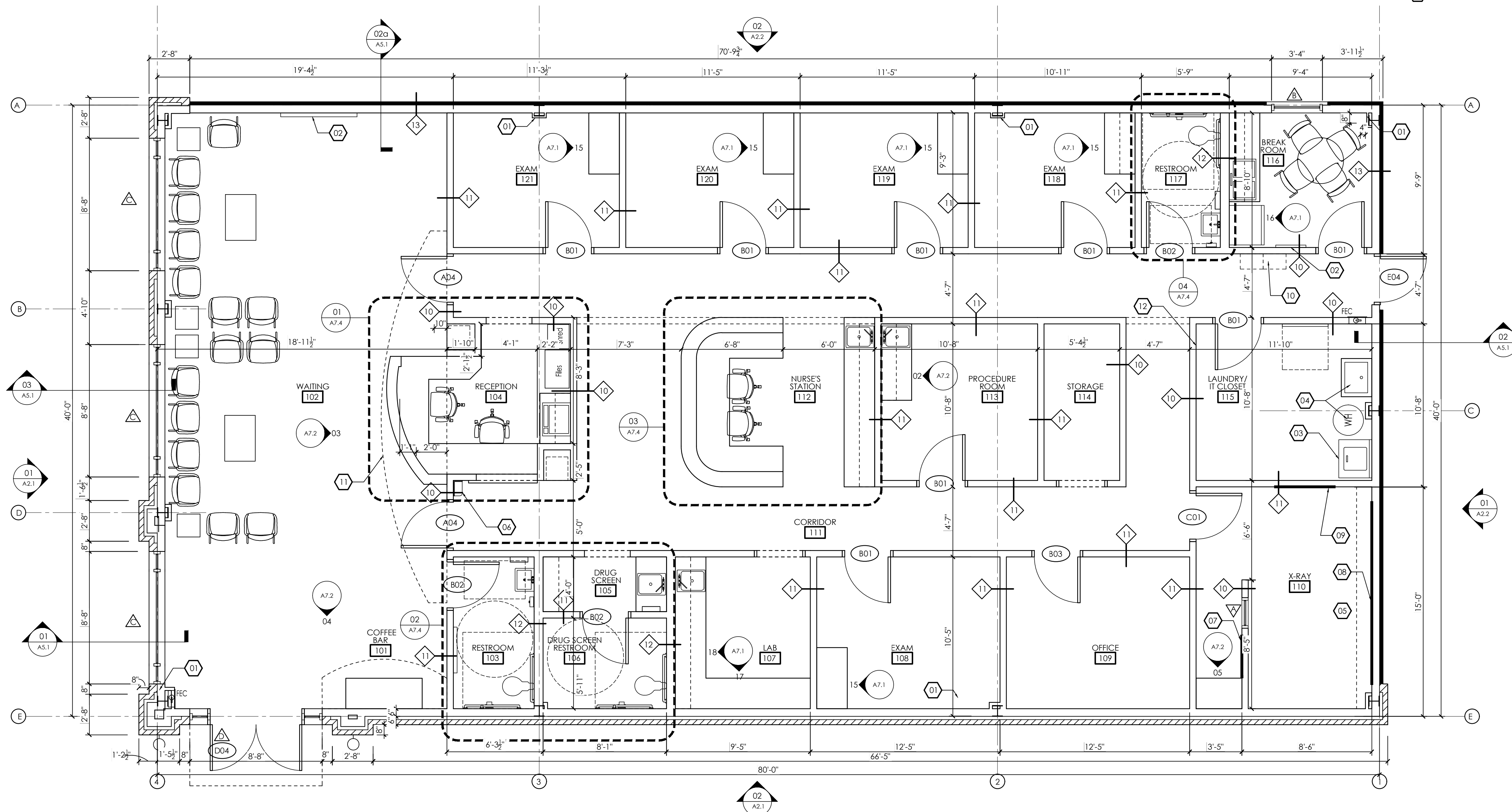
SYM.	CONSTRUCTION	RTG.	DESCRIPTION
10		N/A	5/8" GYP. BD. SCREWED TO BOTH SIDES OF 3-5/8" METAL STUDS @ 24" O.C.
11		N/A	5/8" GYP. BD. SCREWED TO BOTH SIDES OF 3-5/8" METAL STUDS @ 24" O.C. W/ FULL THICKNESS SOUND ATTENUATION INSULATION
12		N/A	5/8" GYP. BD. SCREWED TO BOTH SIDES OF 6" METAL STUDS @ 24" O.C.
13		N/A	5/8" GYP. BD. SCREWED TO 1-5/8" METAL STUD FURRING @ 24" O.C.

**CONSTRUCTION GENERAL NOTES:**

- BUILDING TO BE TYPE IIB 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:**

- FACE OF STUD TO BE FLUSH WITH METAL COLUMN. WRAP WITH GYPSUM BOARD.
- WALL MOUNTED T.V. GC TO PROVIDE WALL MOUNT, BRACKING, AND POWER. OWNER TO PROVIDE T.V.
- GC TO INSTALL OWNER-PROVIDED STACKABLE WASHER AND DRYER. PROVIDE WATER LINE AND VENT TO EXTERIOR.
- GC TO PROVIDE WATER HEATER SHELF MOUNTED OVER JANITOR SINK - VERIFY MOUNTING HEIGHT. PROVIDE 4X8 FRP PANEL @ JANITOR 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 & 2"x12" SOFFIT FRAMING PER X-RAY VENDOR REQUIREMENTS.
- PROVIDE BLOCKING PER X-RAY VENDOR REQUIREMENTS.
- LOCKERS PROVIDED BY OWNER - CONTRACTOR TO ANCHOR TO WALLS.
- LOCATION OF BACKLIT SIGNAGE. COOR'D CONSTRUCTION AND ANY ELEC. REQUIREMENTS WITH SIGN VENDOR.
- PROVIDE 4X8 FIRE-RATED PLYWOOD (PAINTED) FOR TBB.



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PROJECT NUMBER 22046.10

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; "CREAM FUZZ" #4933-38
PL-2	PLASTIC LAMINATE	ARBORITE; S-550 CA "ELEGANT WHITE"
PL-3	PLASTIC LAMINATE	ARBORITE; W-415 FP "CHOCOLATE HAZELNUTWOOD"

## 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	RB-1	ACT-1/GYP (P-3)	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/GYP (P-2)			SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
103	RESTROOM	LVT-1	P-1	RB-1	ACT-1			
104	RECEPTION	VCT-1	P-1	RB-1	ACT-1/GYP (P-2)	PL-1	PL-3	
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-5			
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	VCT-1	P-1	RB-1	ACT-1			
115	LAUNDRY/IT	VCT-1	P-1	RB-1	ACT-1			
116	BREAK ROOM	VCT-1	P-1	RB-1	ACT-1	PL-1	PL-2	
117	RESTROOM	VCT-1	P-1	RB-1	ACT-1			
118	EXAM	VCT-1/3	P-1/P-3	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
119	EXAM	VCT-1/2	P-1/P-2	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
120	EXAM	VCT-1/3	P-1/P-3	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION
121	EXAM	VCT-1/2	P-1/P-2	RB-1	ACT-1	PL-1	PL-2	SEE A1.2 FOR VCT & ACCENT PAINT LOCATION

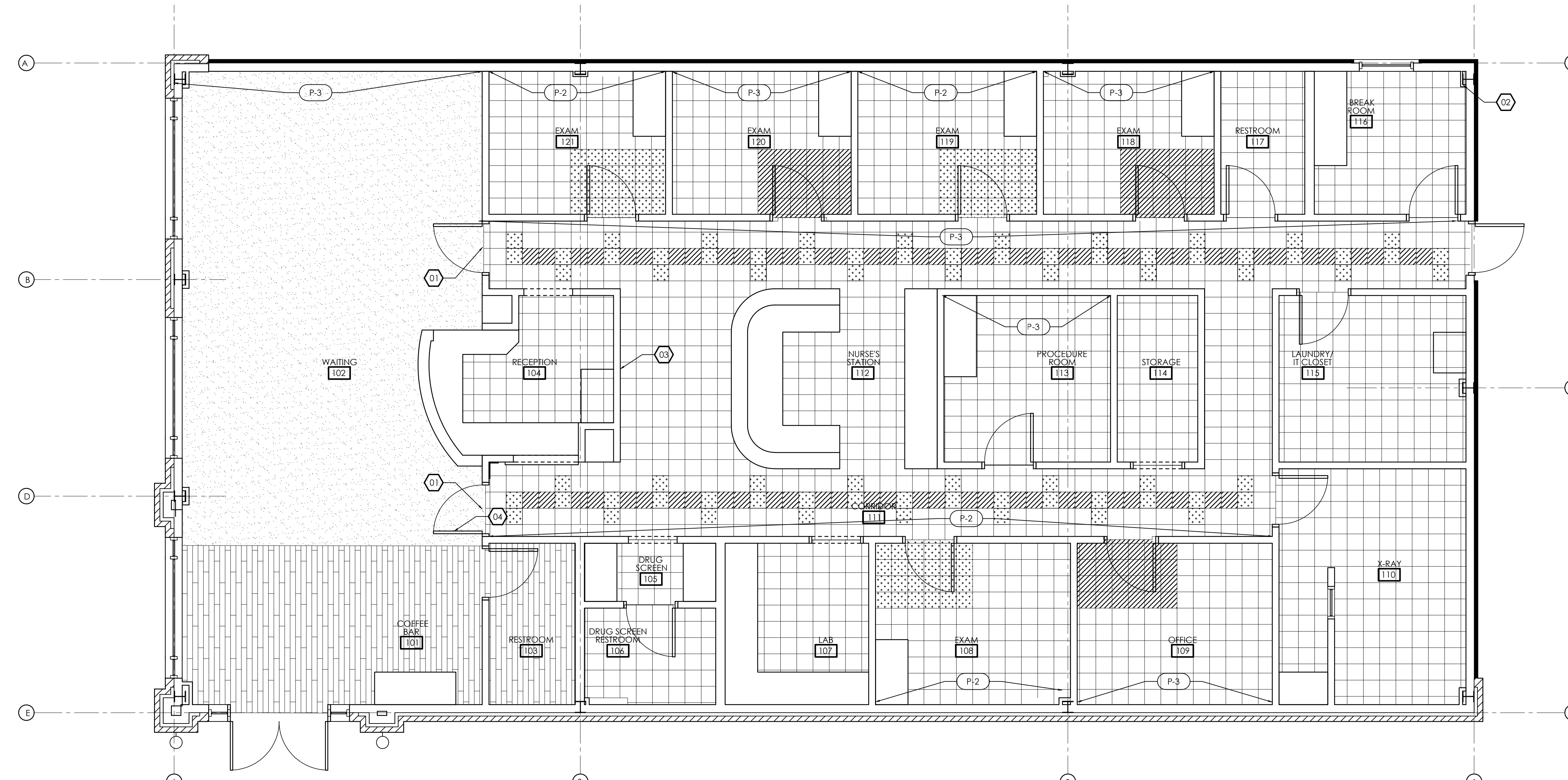
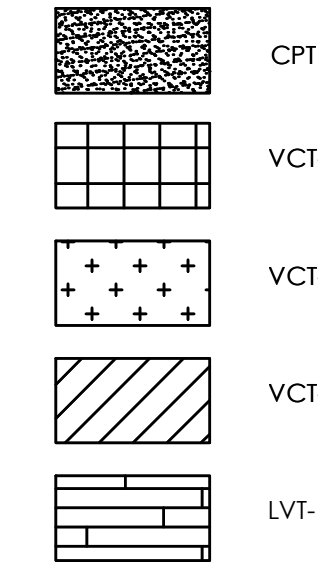
## FINISH NOTES:

- 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.

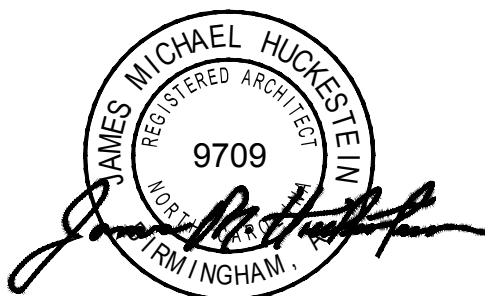
## FINISH KEY NOTES:

- 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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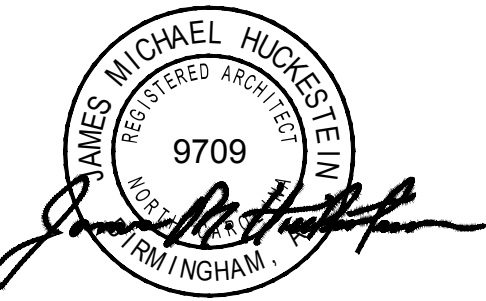

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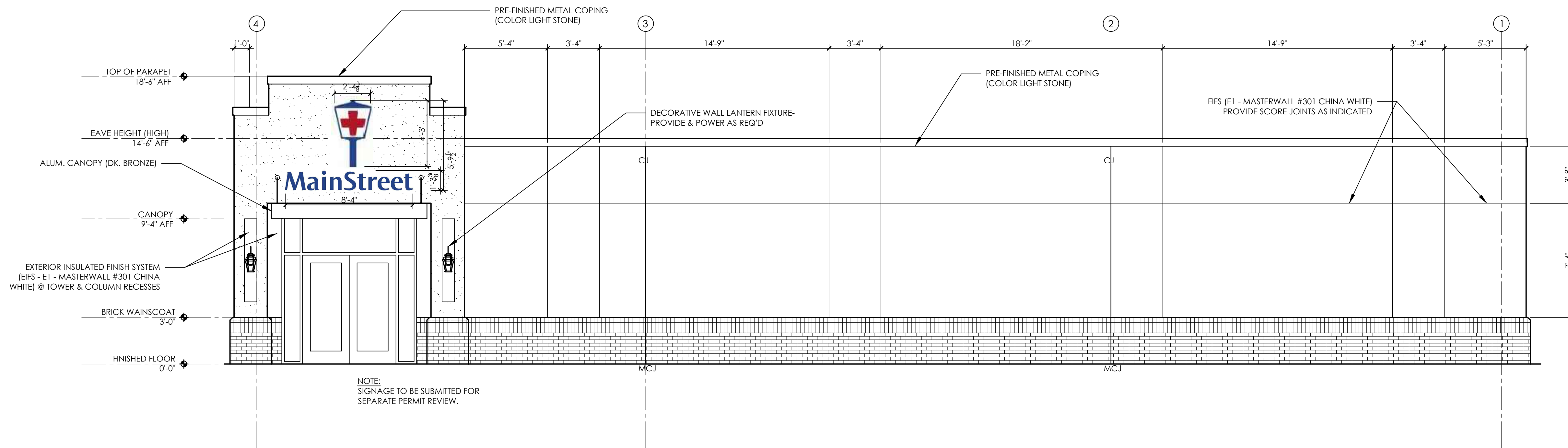
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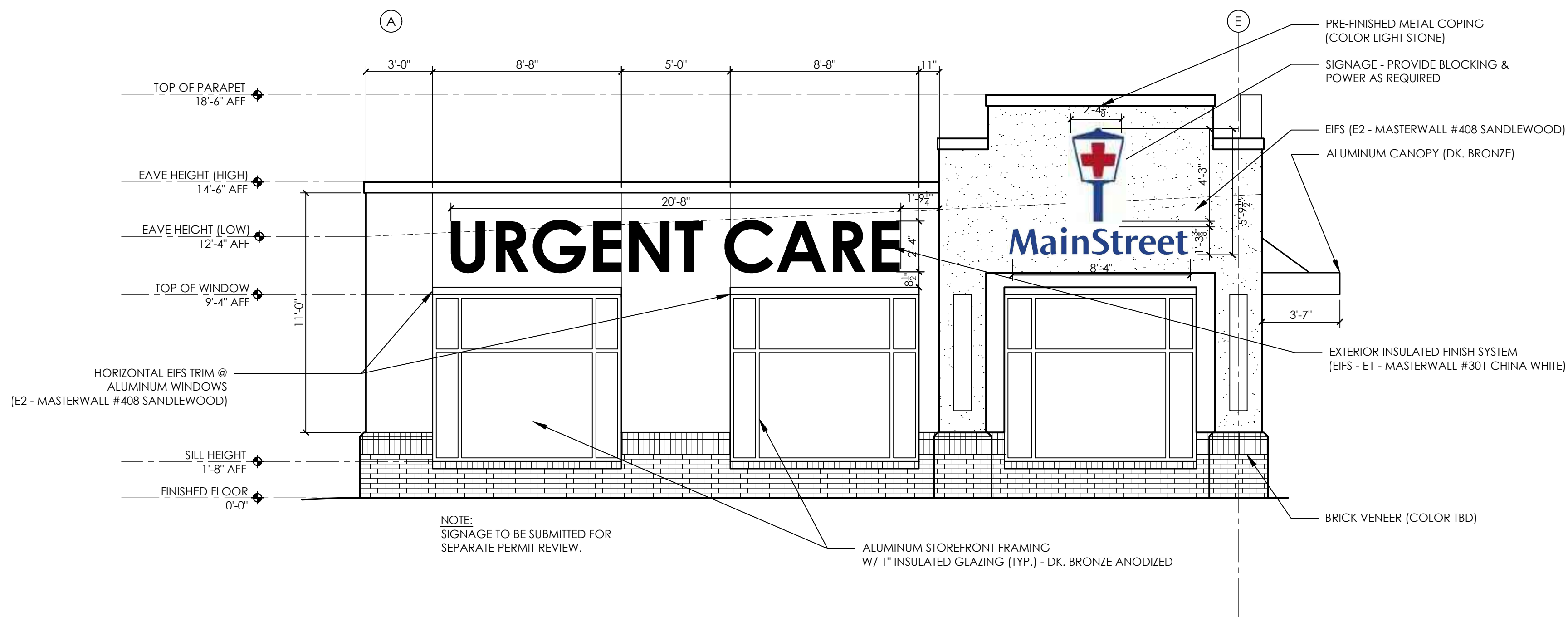
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02 EXTERIOR ELEVATION  
A2.1 SCALE: 1/4" = 1'-0"



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

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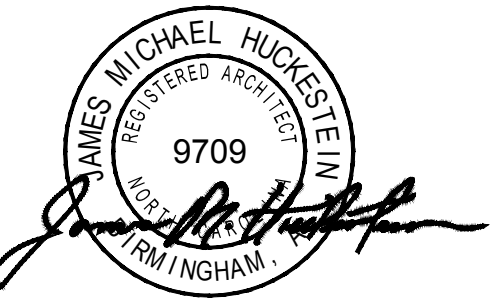
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SHEET TITLE  
EXTERIOR ELEVATION

DRAWING NO. **A2.1**

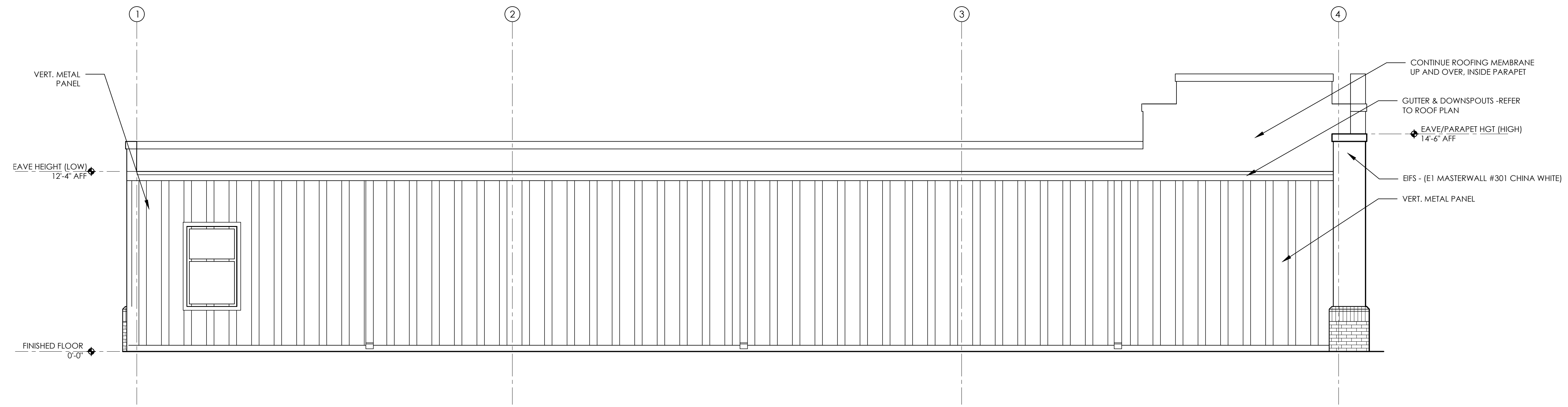




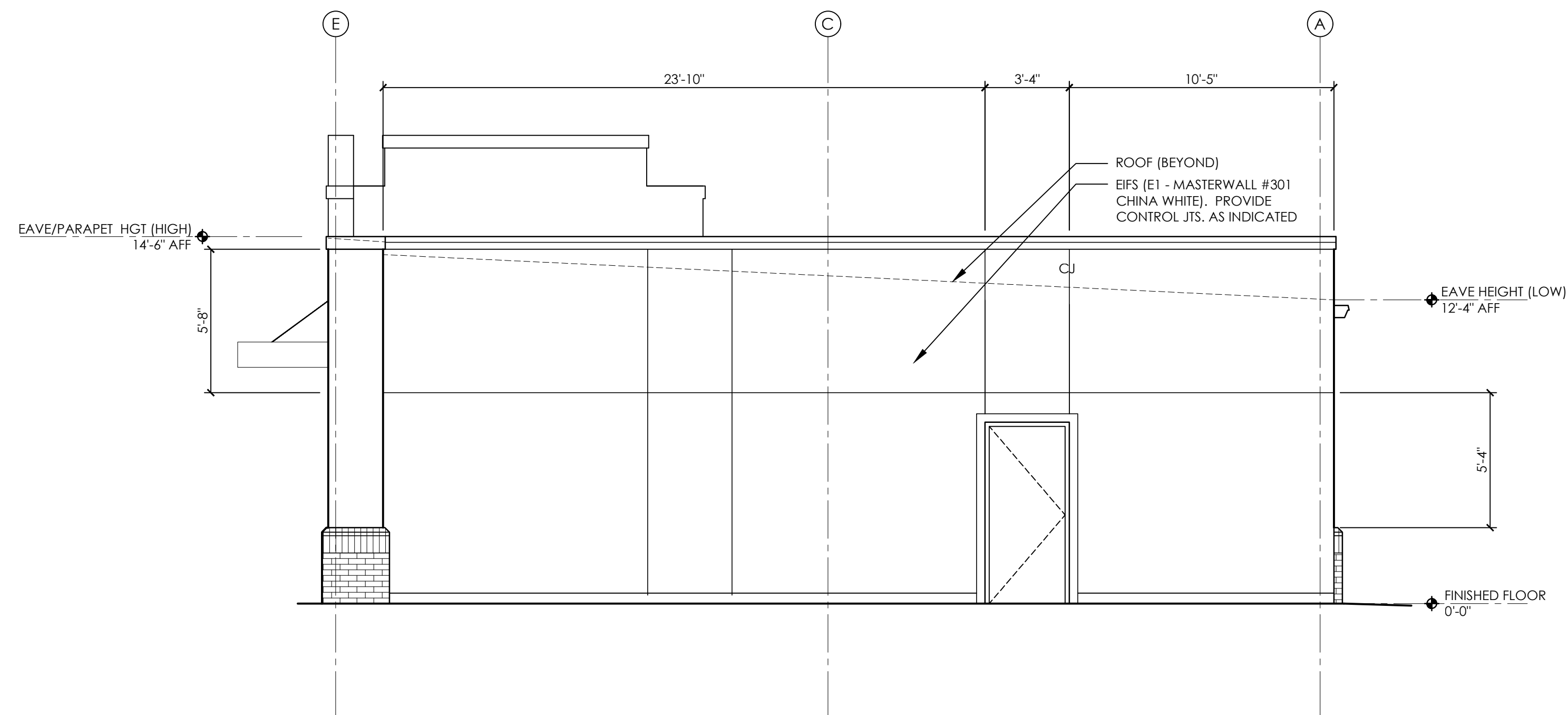
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02 EXTERIOR ELEVATION  
A2.2 SCALE: 1/4" = 1'-0"



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

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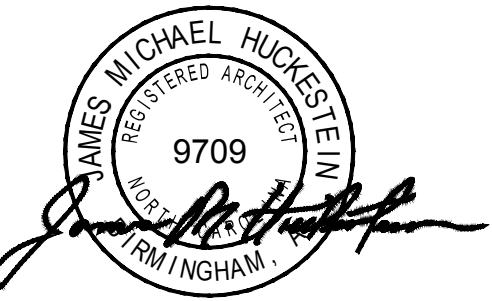
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EXTERIOR ELEVATION

DRAWING NO. **A2.2**



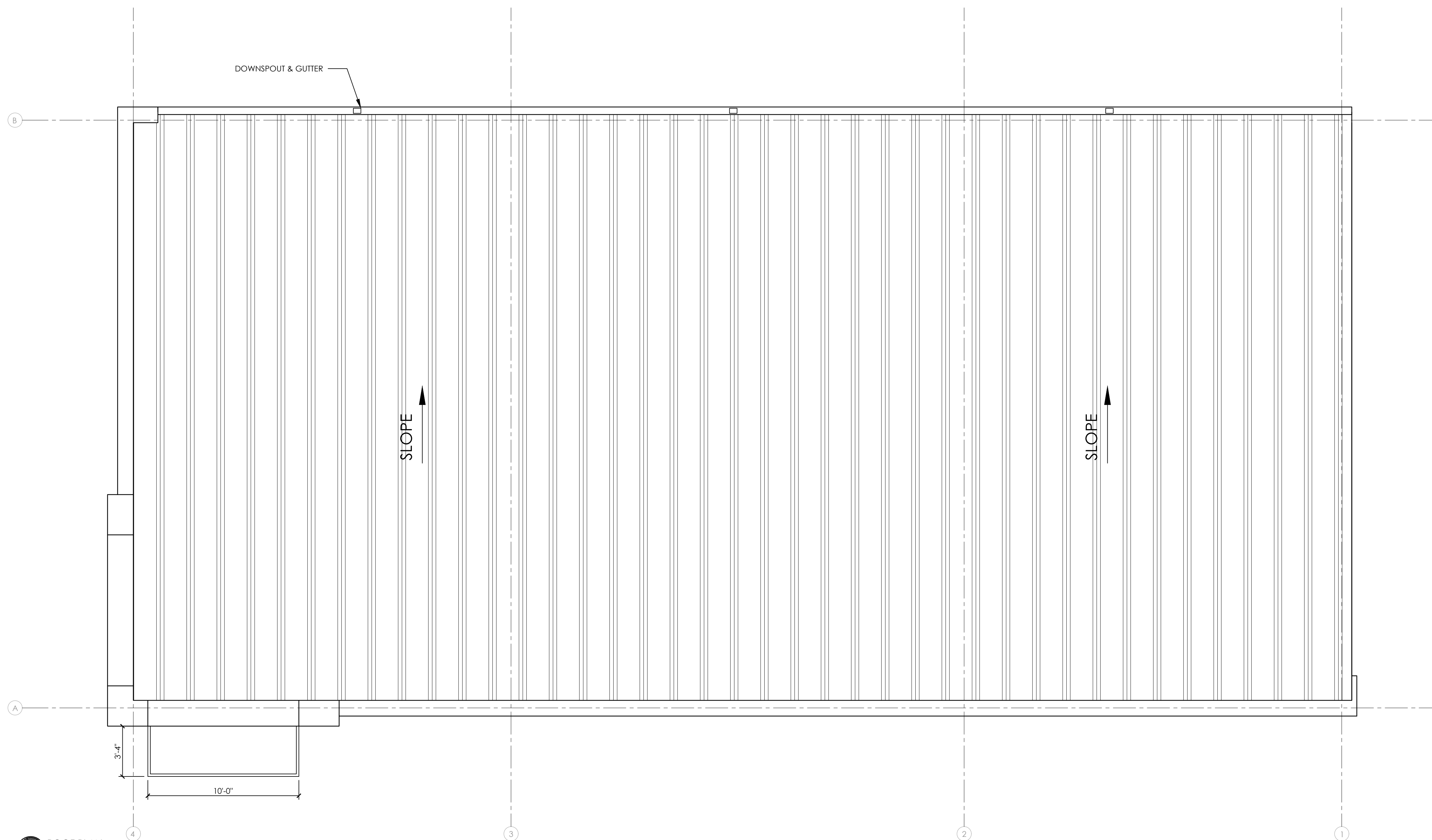
**ROOF GENERAL NOTES:**

1. ROOF TO BE STANDING SEAM METAL ROOF BY PRE-ENGINEERED BUILDING MANUFACTURER.
2. ALL SHEET METAL FLASHING & TRIM TO BE INSTALLED PER SMACNA STANDARDS.



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

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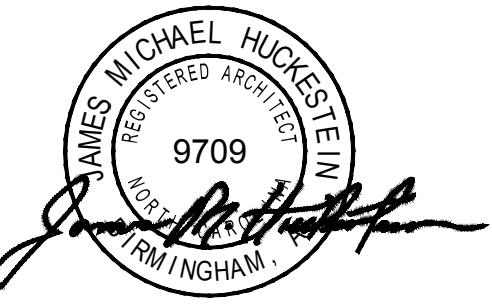

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SHEET TITLE  
ROOF PLAN

DRAWING NO. **A4.1**

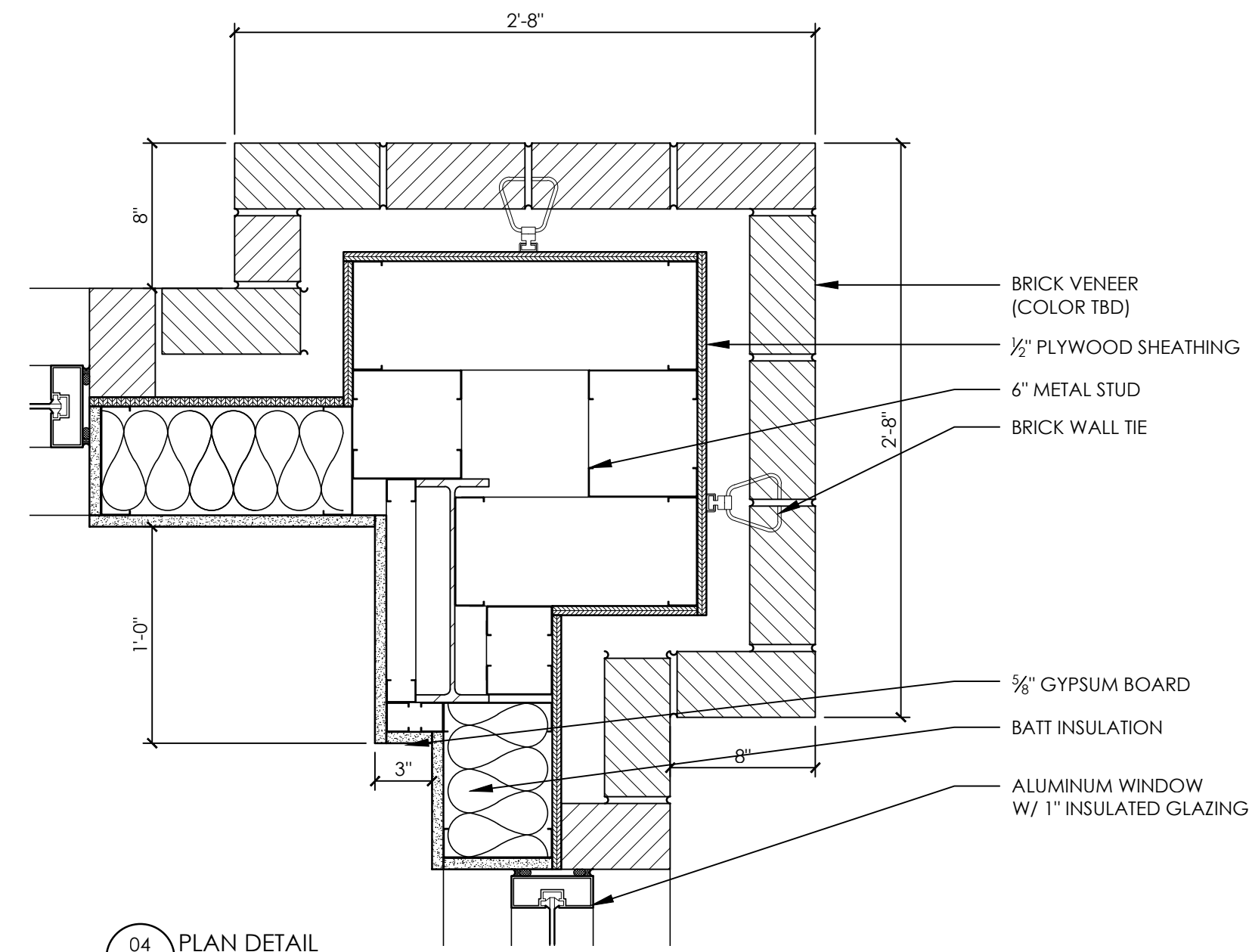


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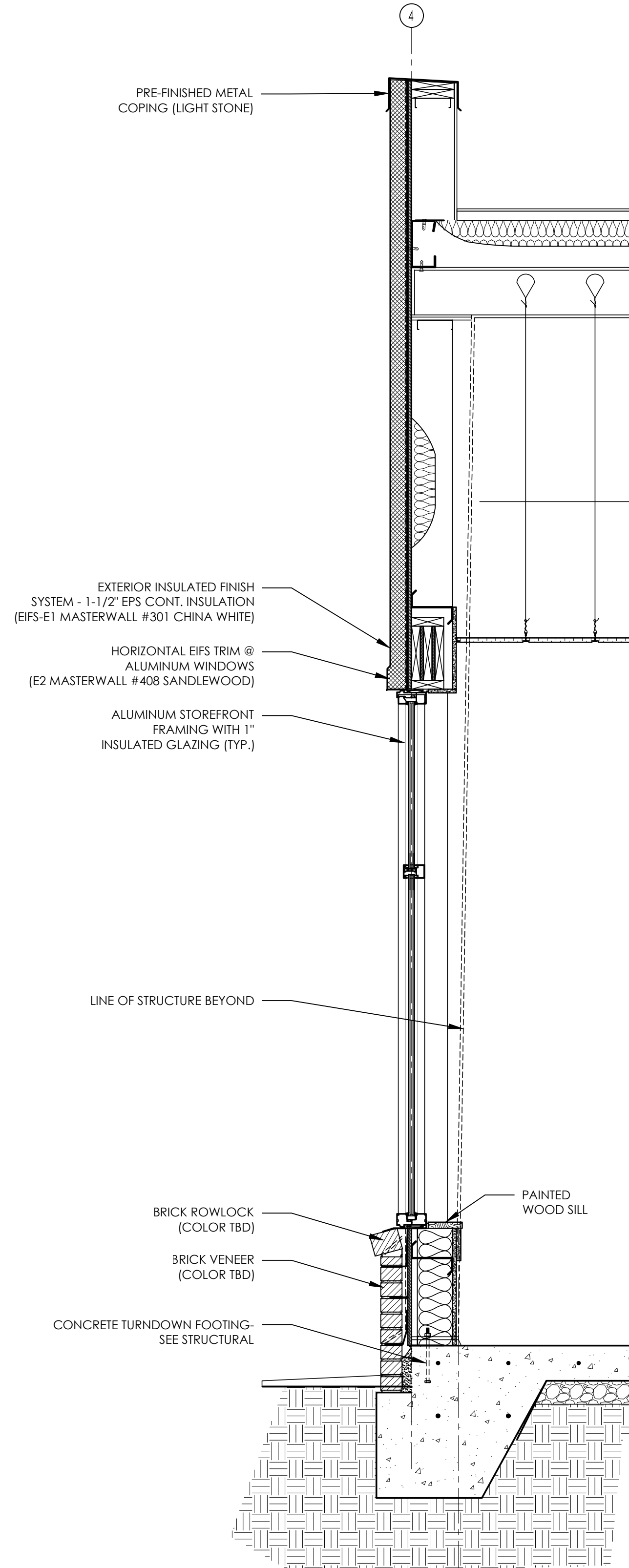
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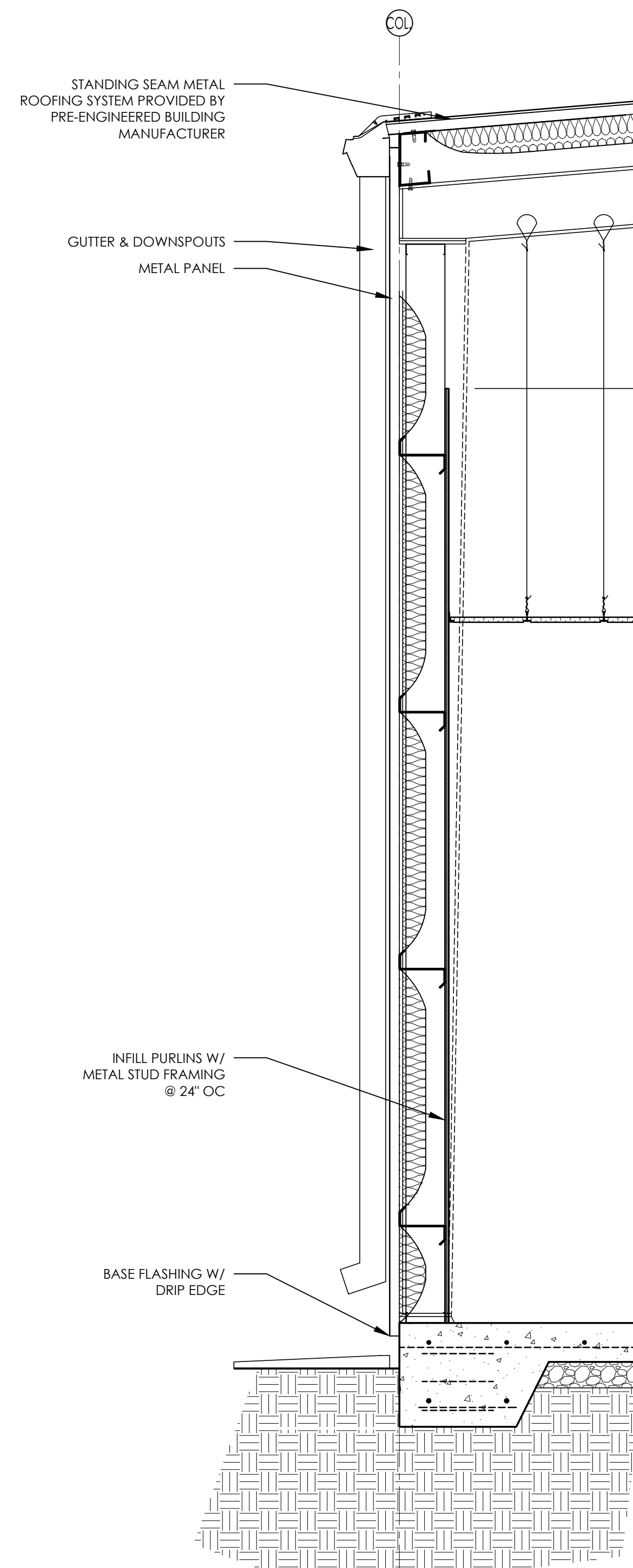
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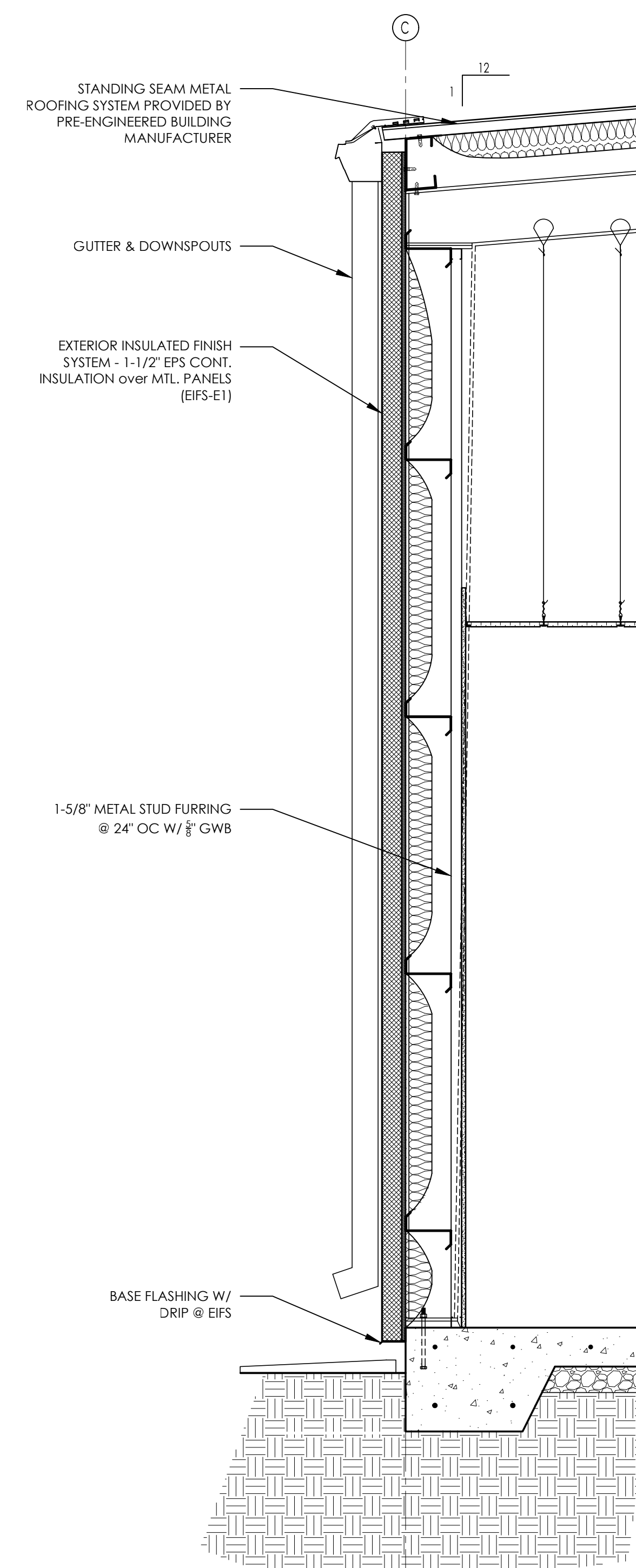
04 PLAN DETAIL  
AS.1 SCALE: 1-1/2" = 1'-0"



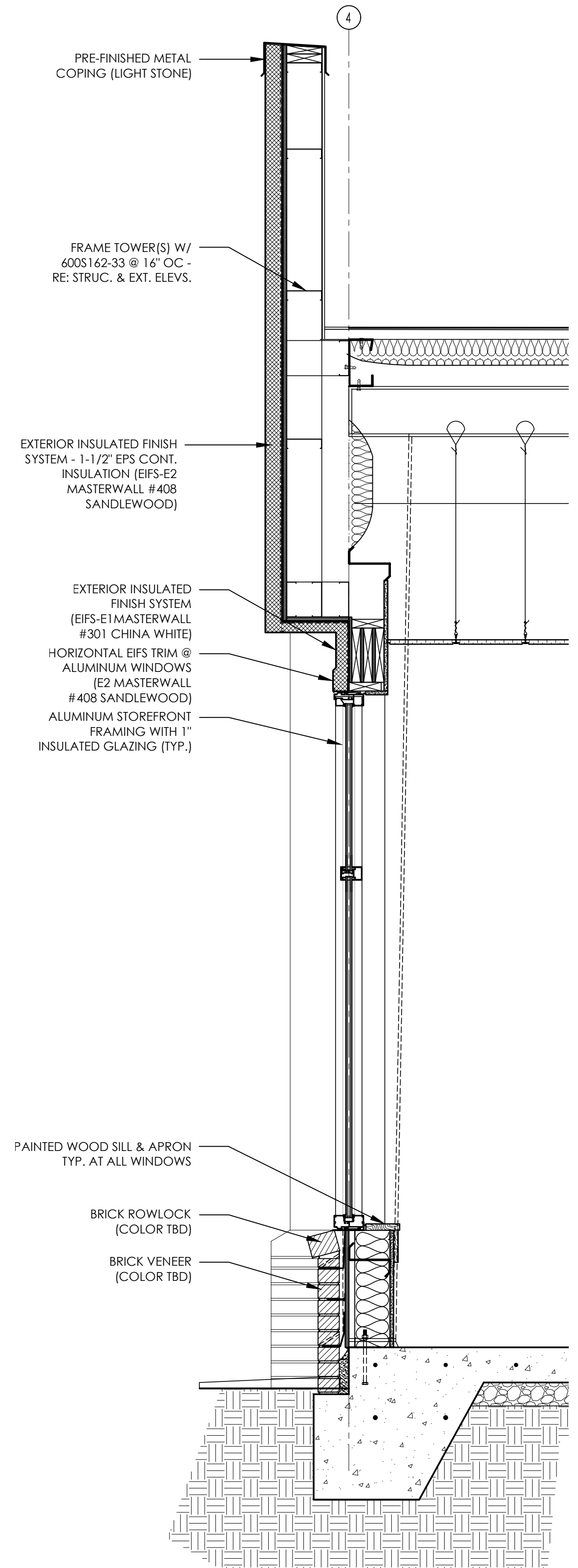
03 WALL SECTION  
AS.1 SCALE: 3/4" = 1'-0"



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



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



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

RELEASES / DESCRIPTION / DATES

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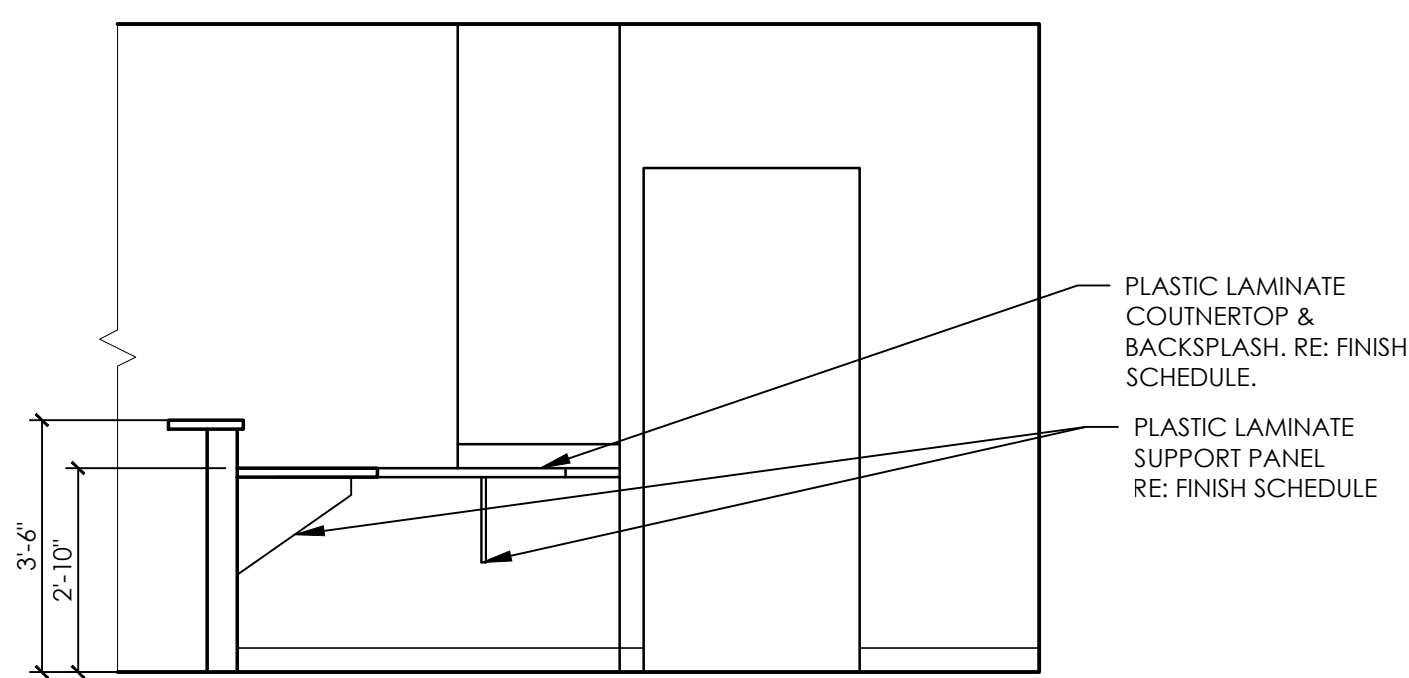
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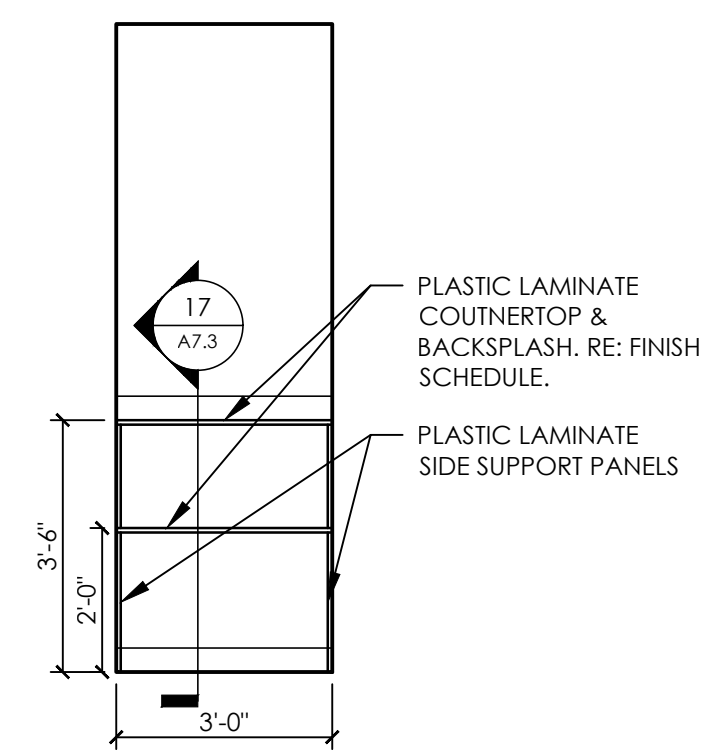
SHEET TITLE WALL SECTIONS

DRAWING NO. A5.1

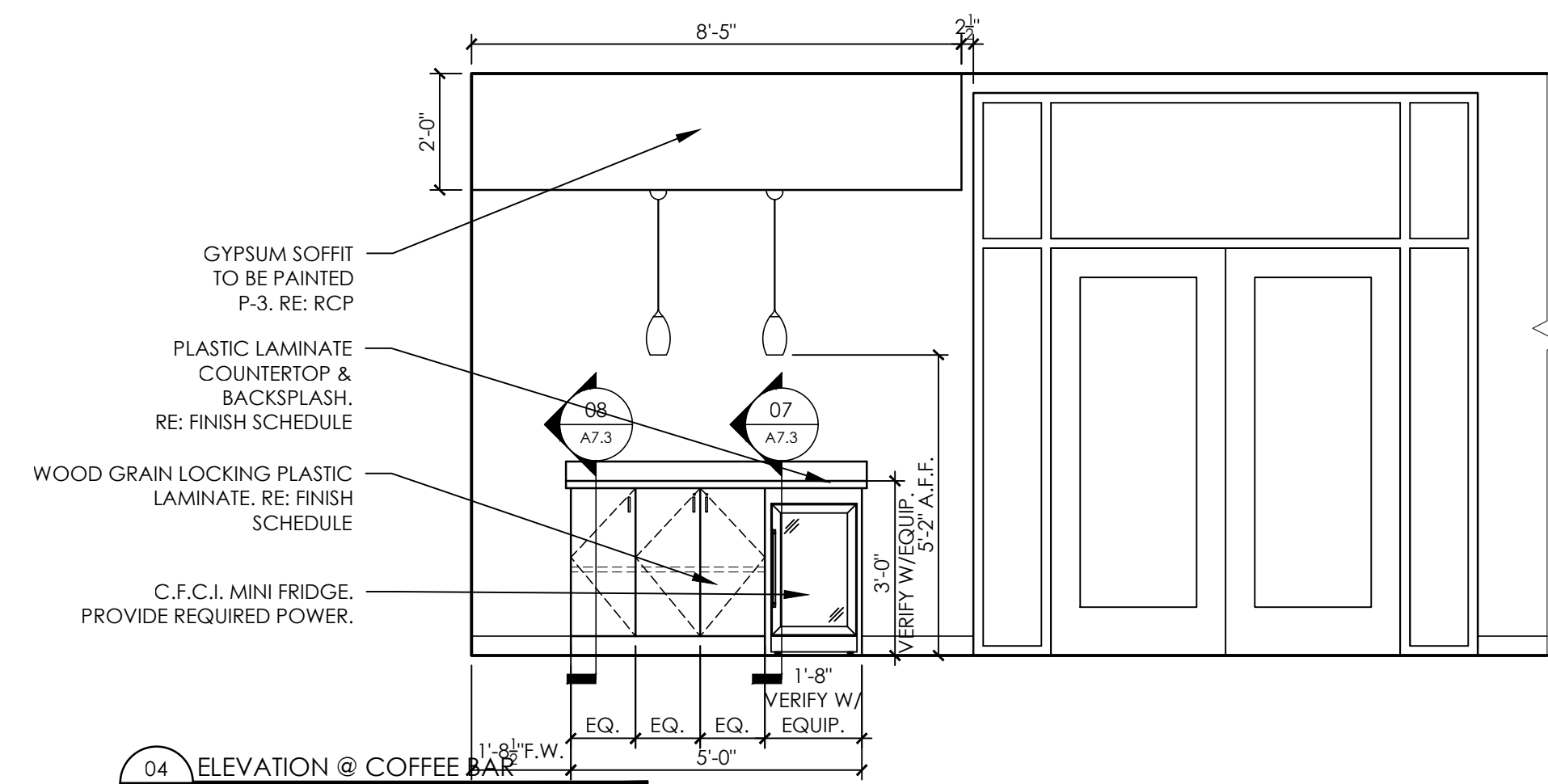




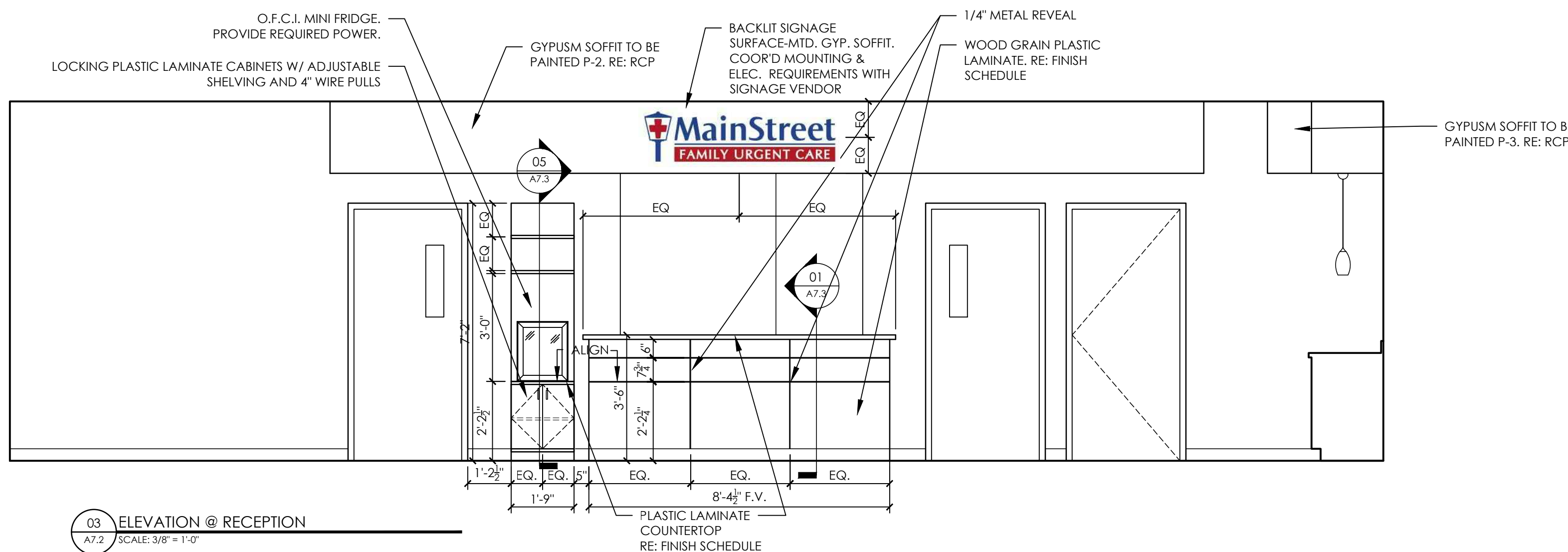
06 ELEVATION @ RECEPTION  
A7.2 SCALE: 3/8" = 1'-0"



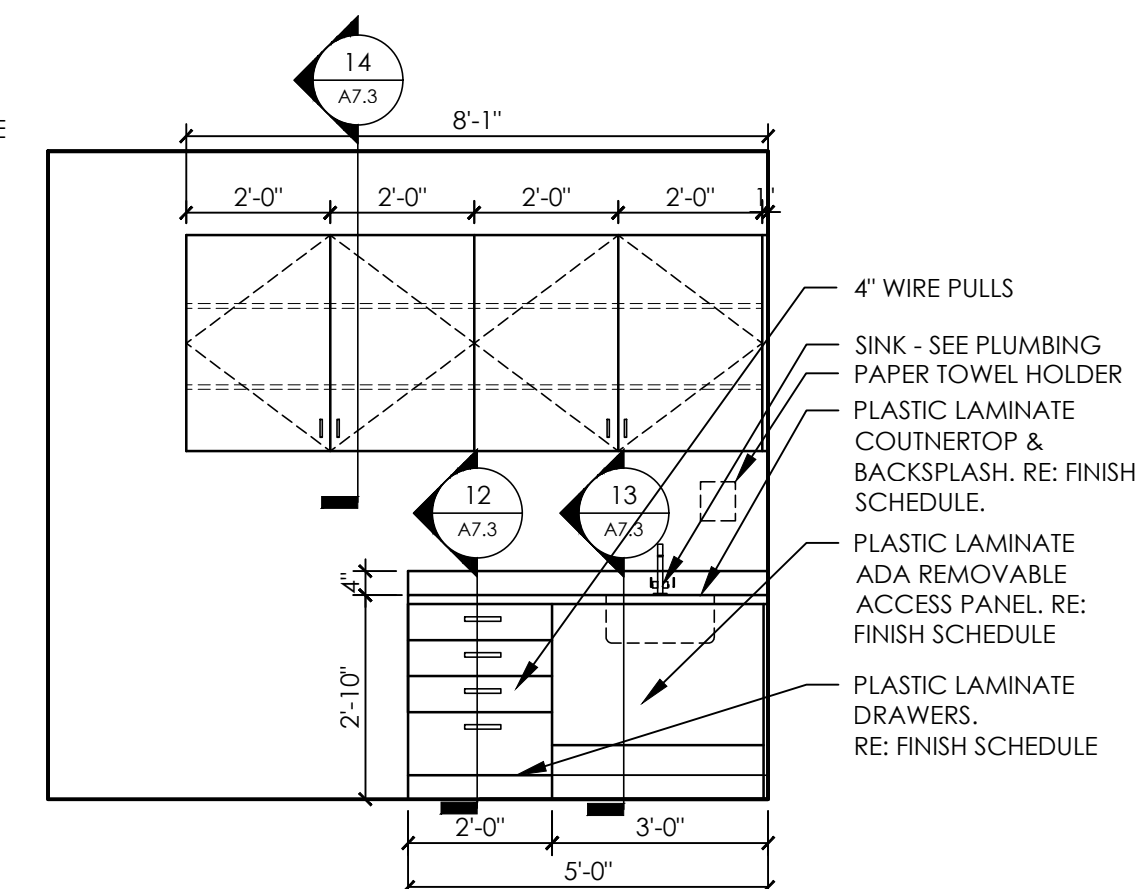
05 ELEVATION @ X-RAY  
A7.2 SCALE: 3/8" = 1'-0"



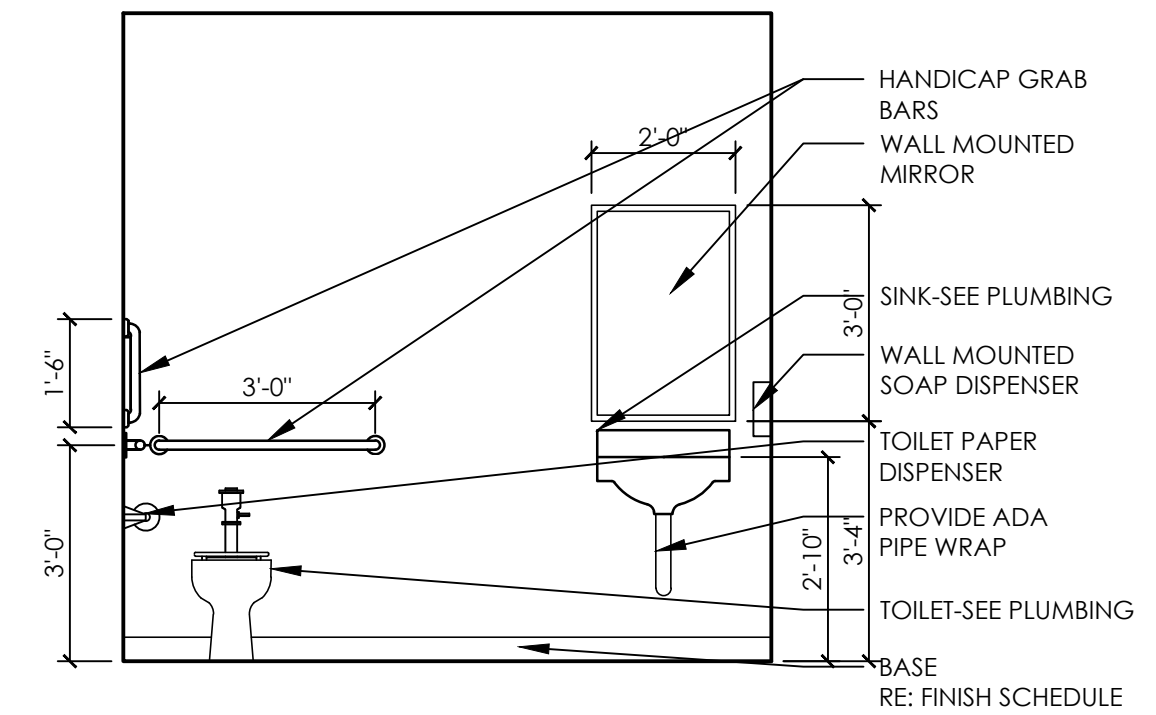
04 ELEVATION @ COFFEE BAR  
A7.2 SCALE: 3/8" = 1'-0"



03 ELEVATION @ RECEPTION  
A7.2 SCALE: 3/8" = 1'-0"



02 ELEVATION @ EXAM/PROCEDURE ROOM  
A7.2 SCALE: 3/8" = 1'-0"



01 ELEVATION @ TOILET  
A7.2 SCALE: 3/8" = 1'-0"

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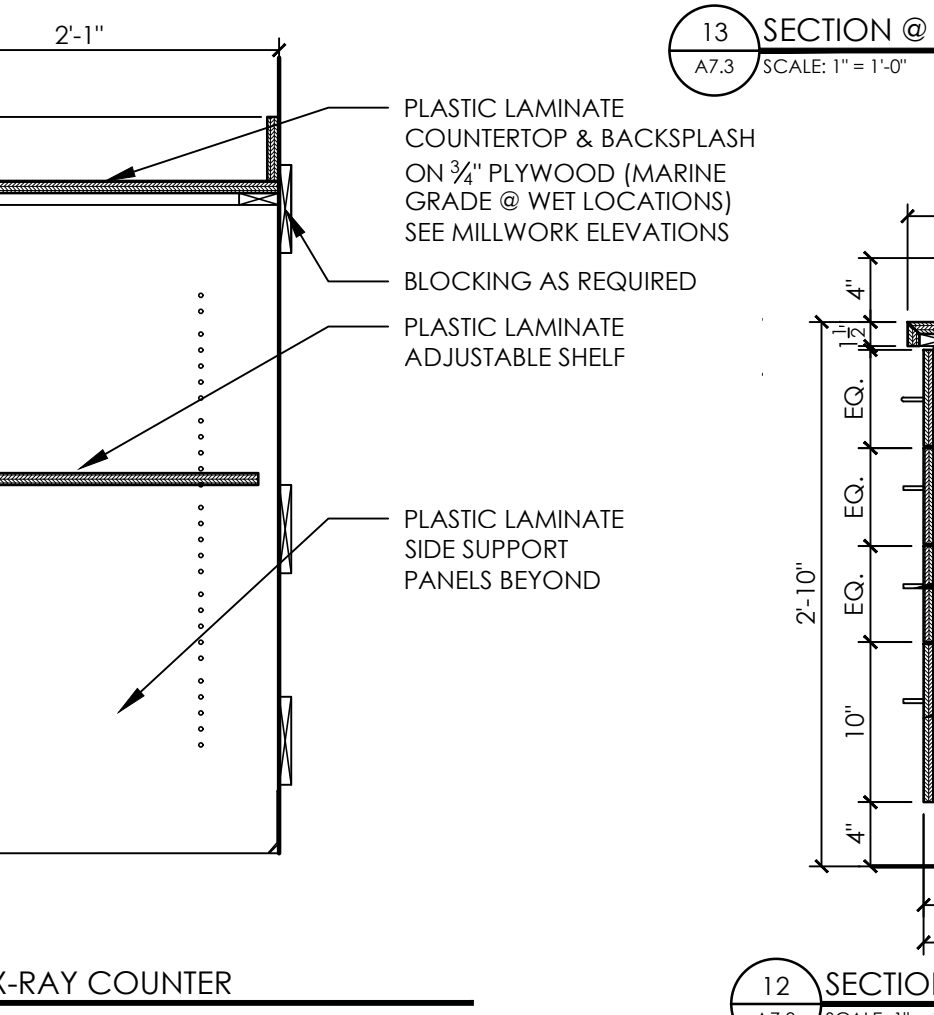
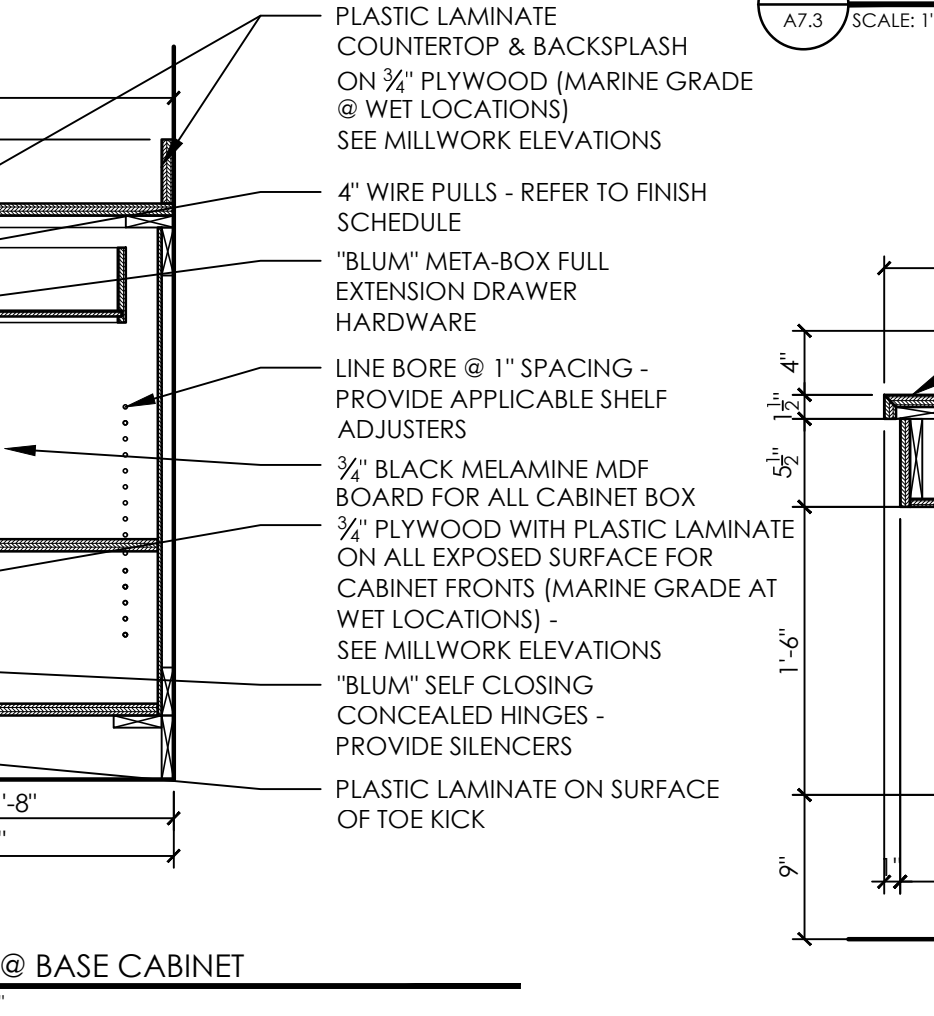
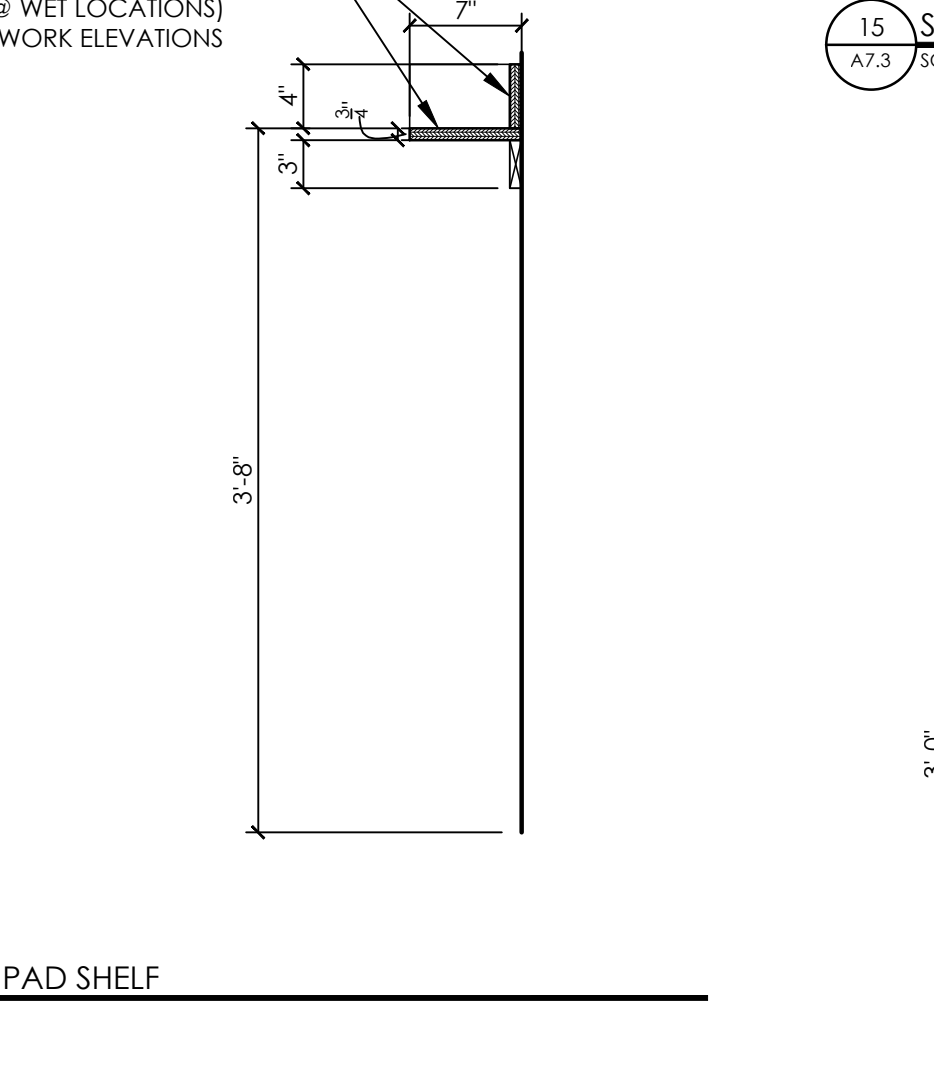
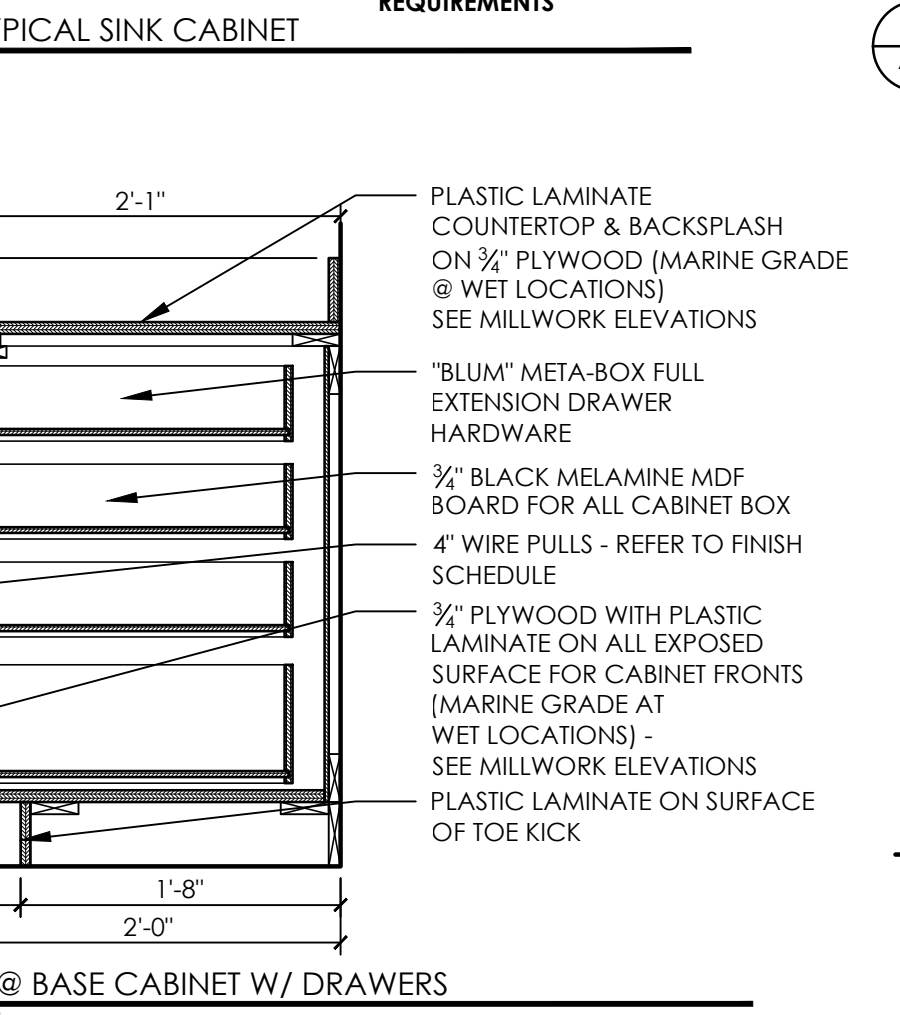
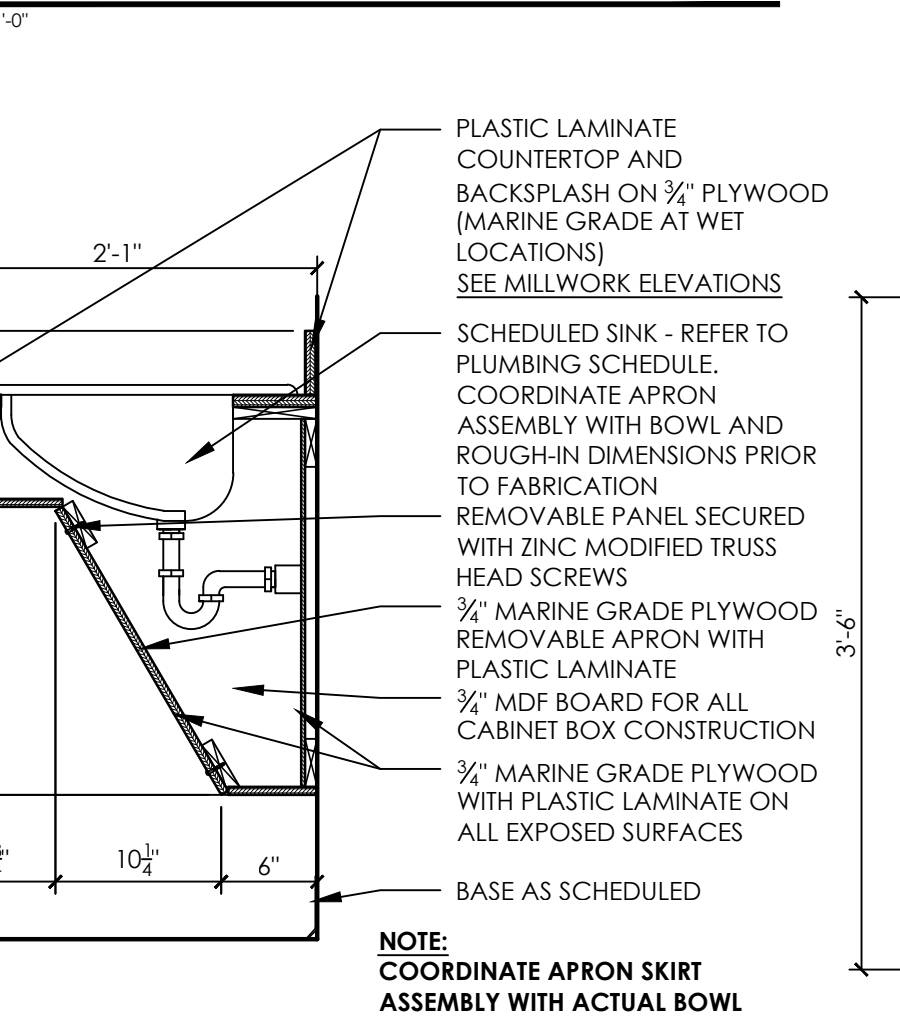
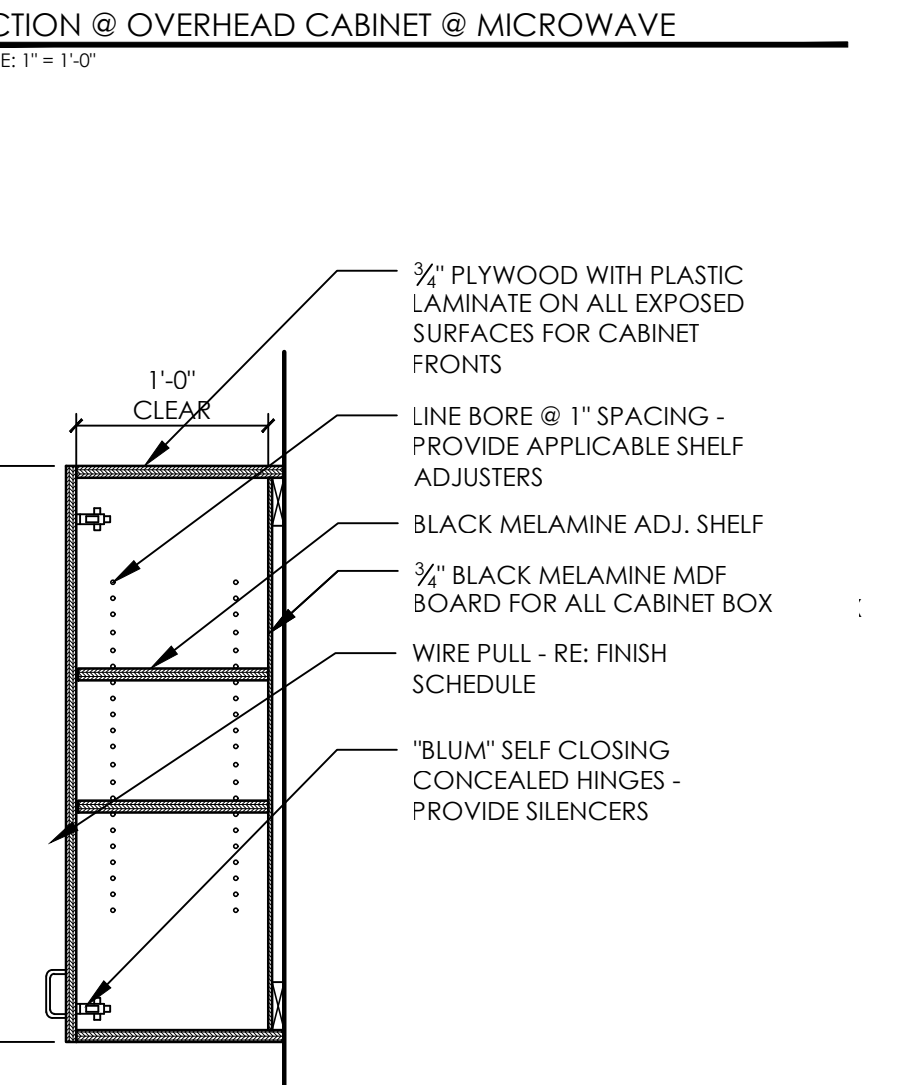
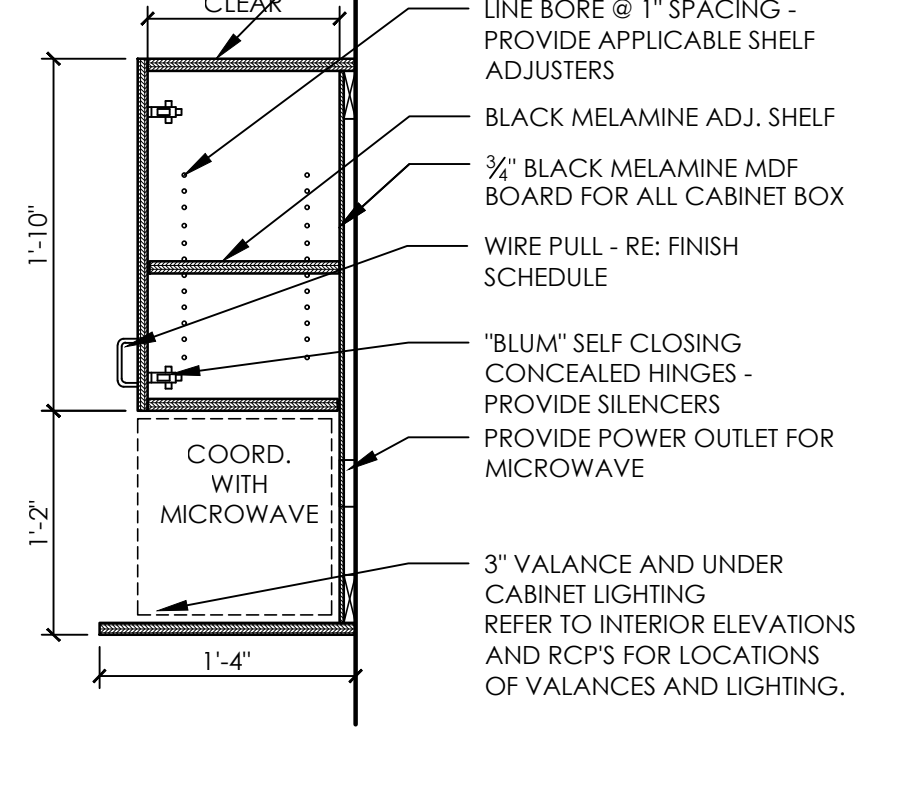
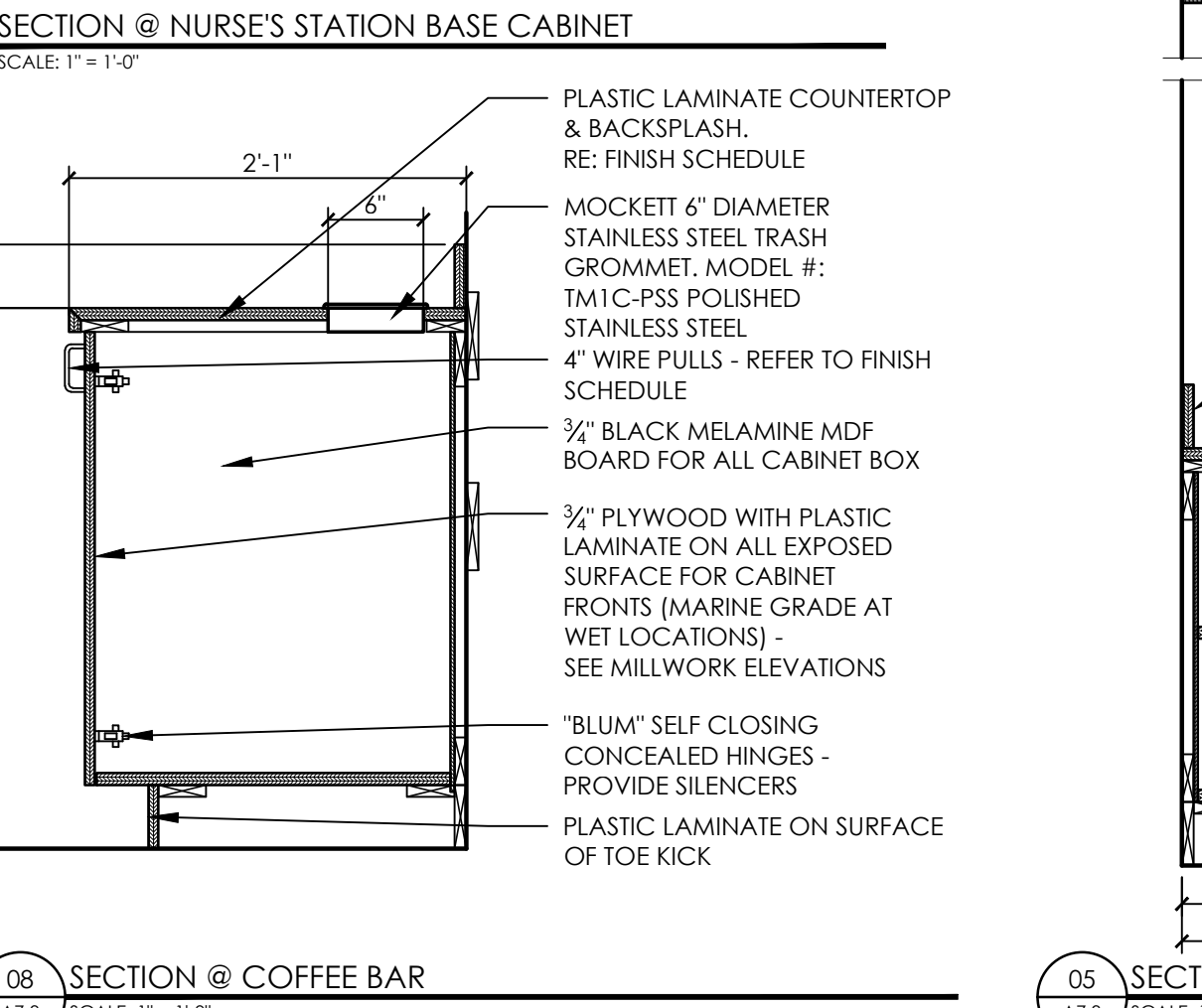
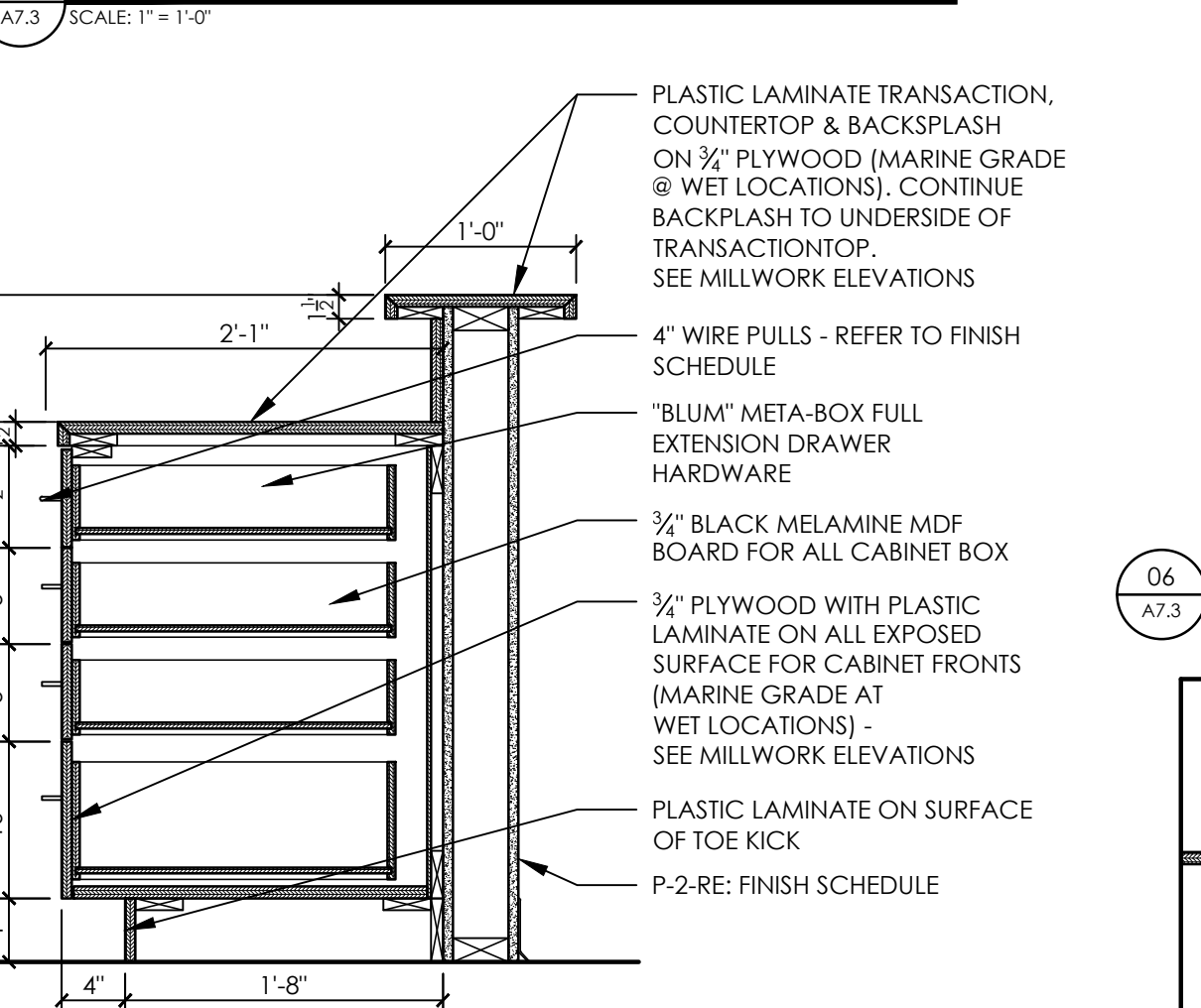
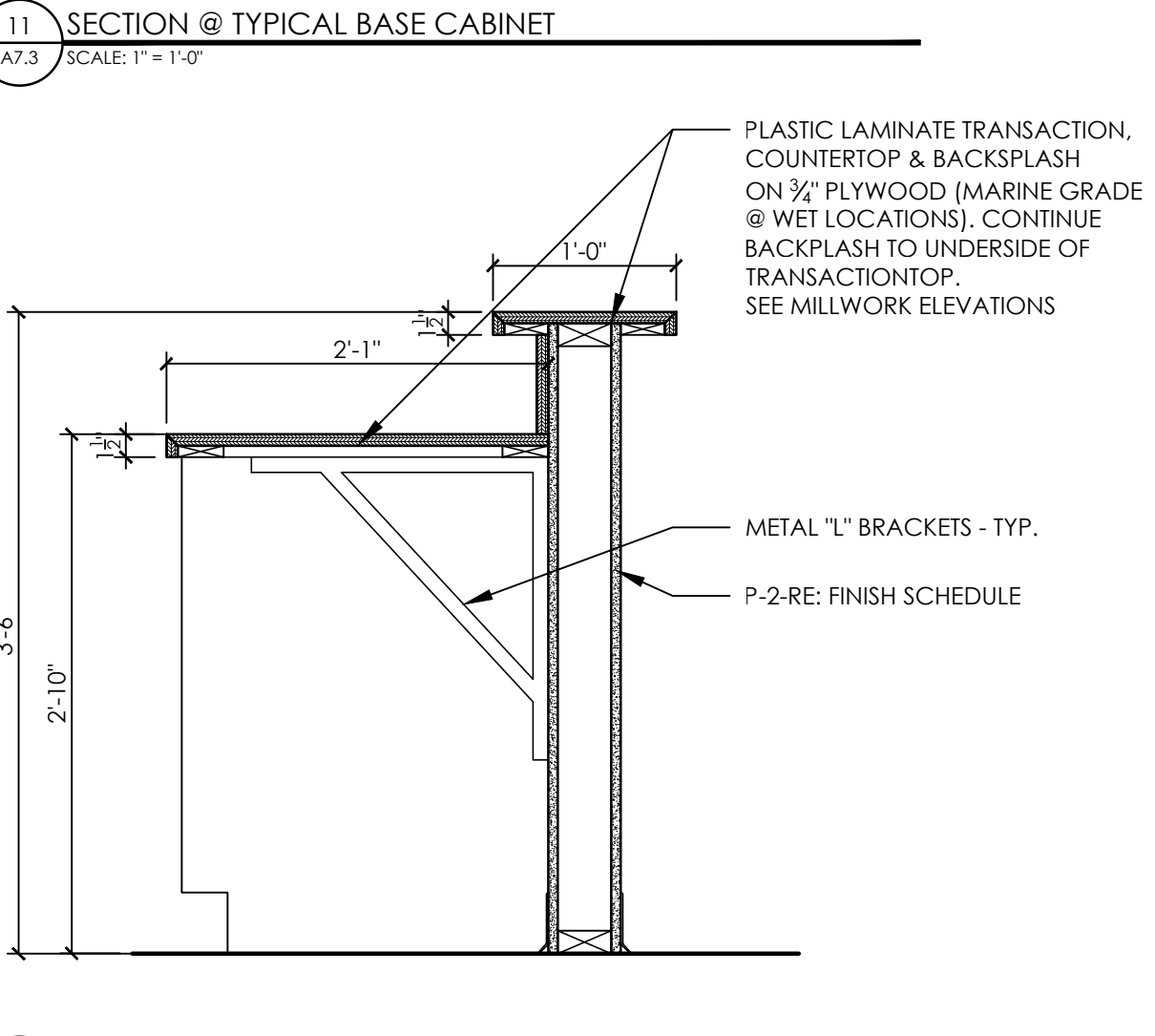
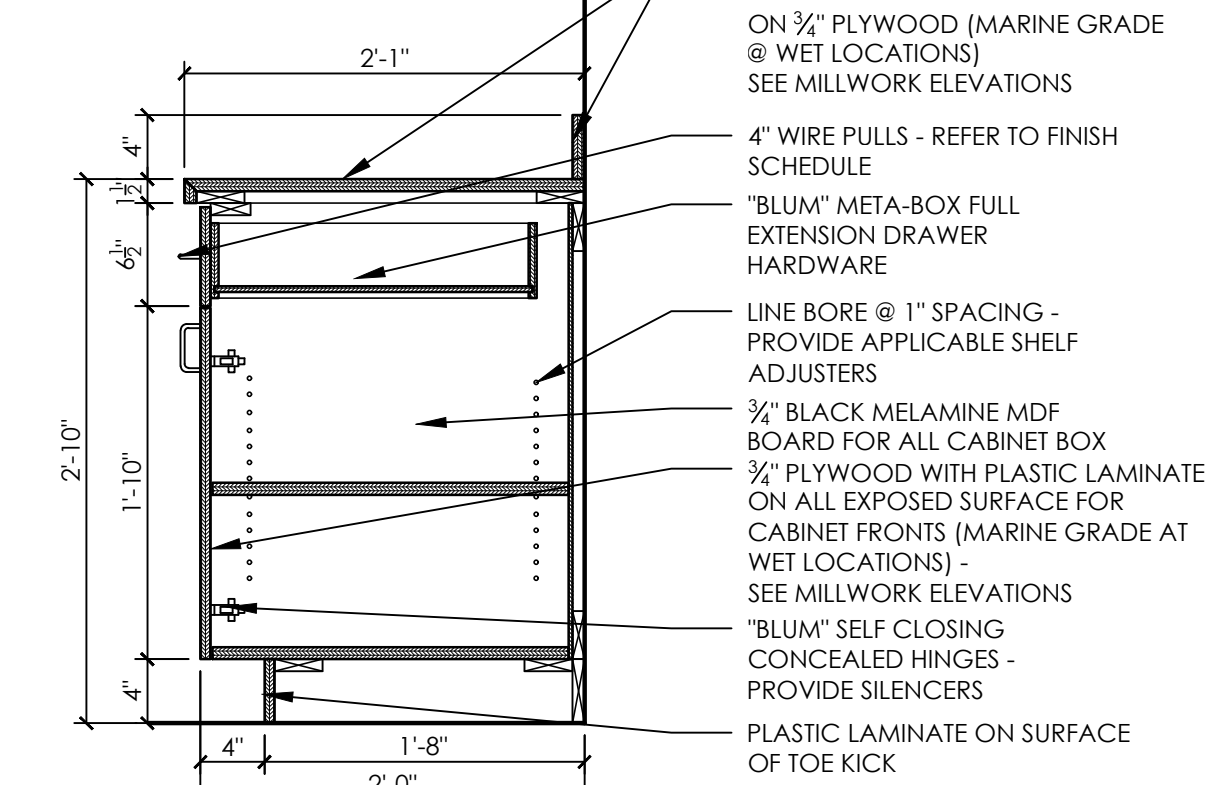
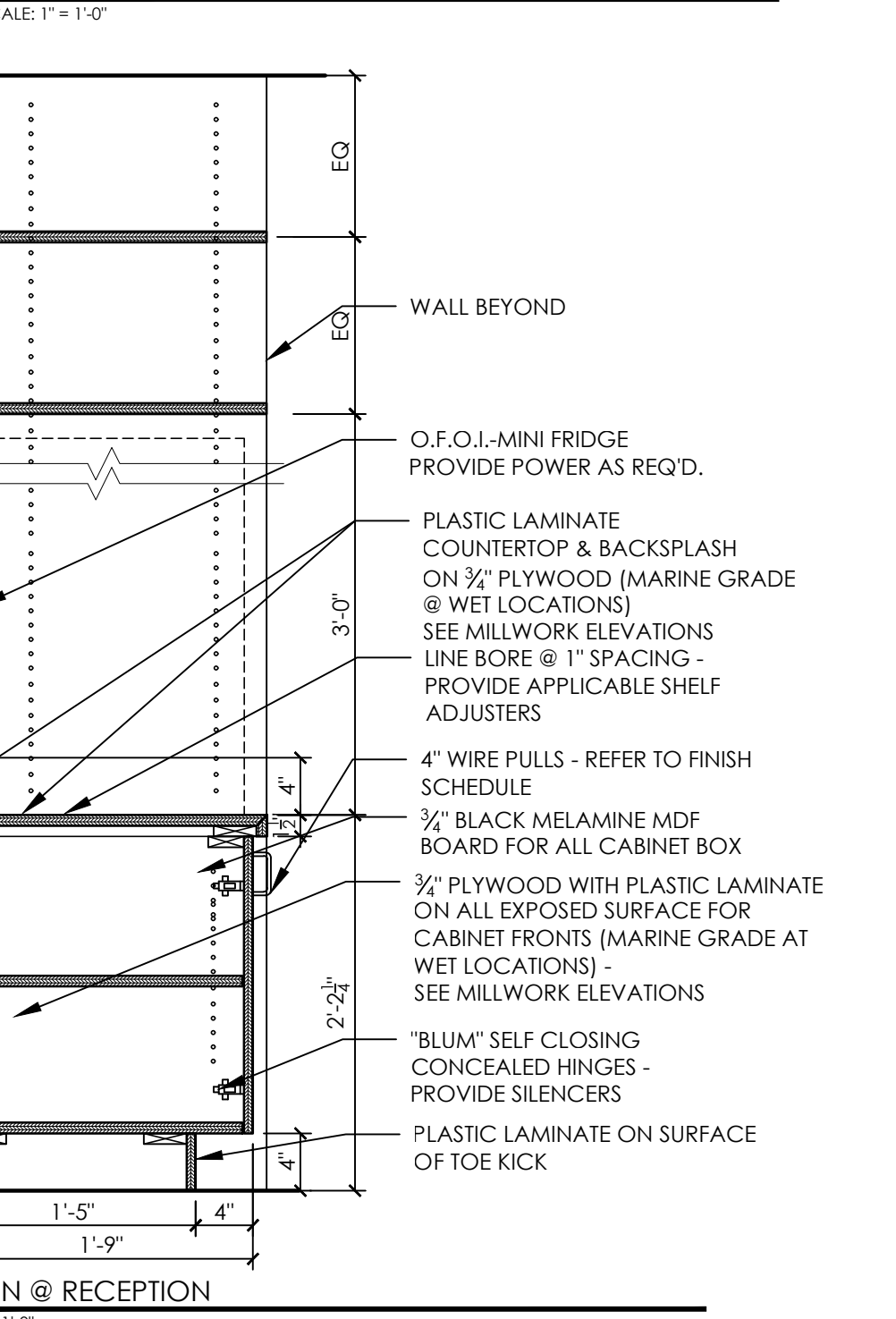
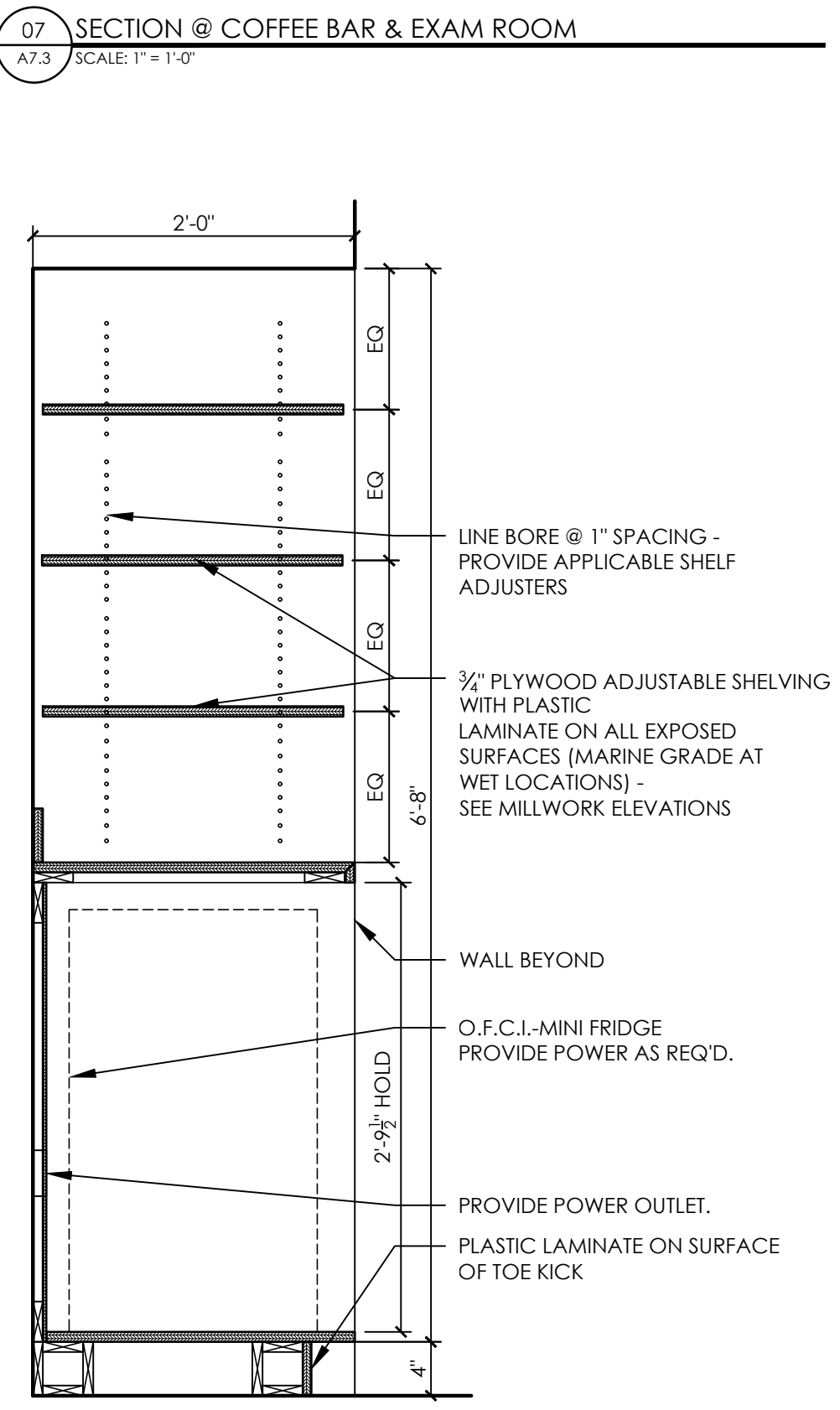
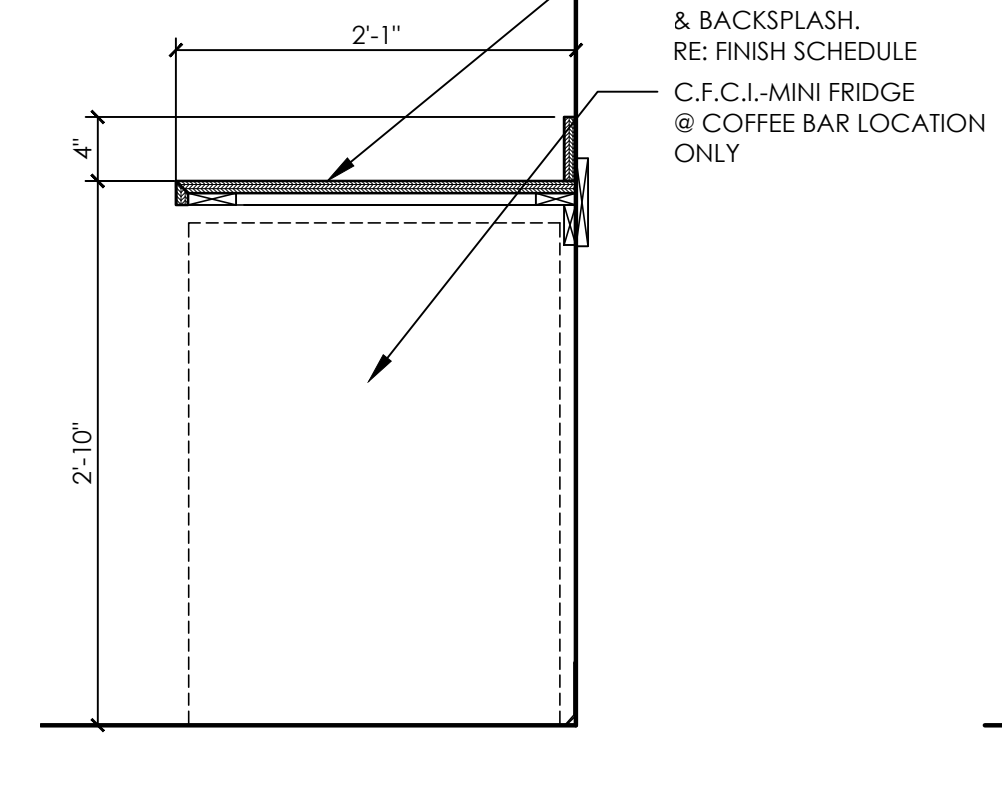
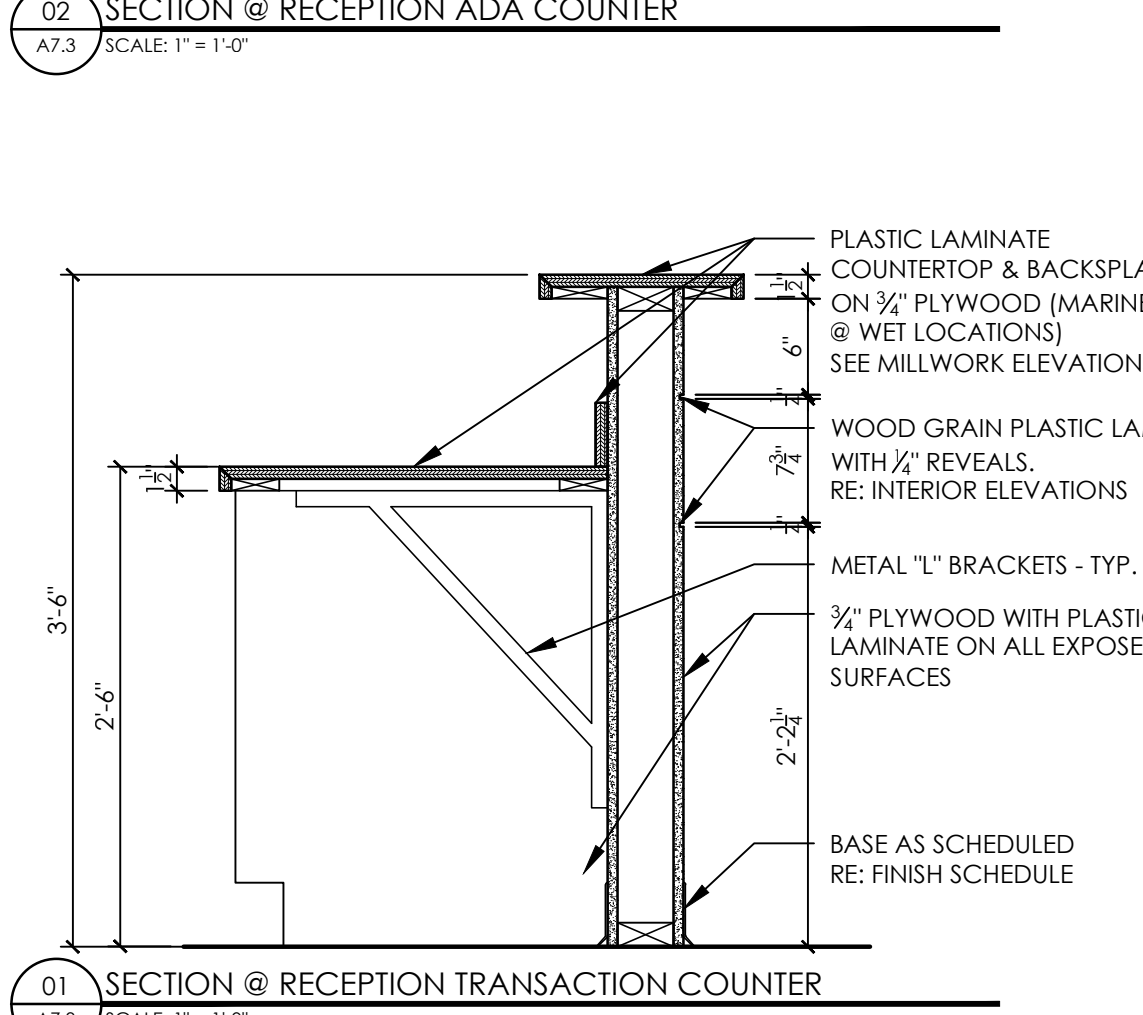
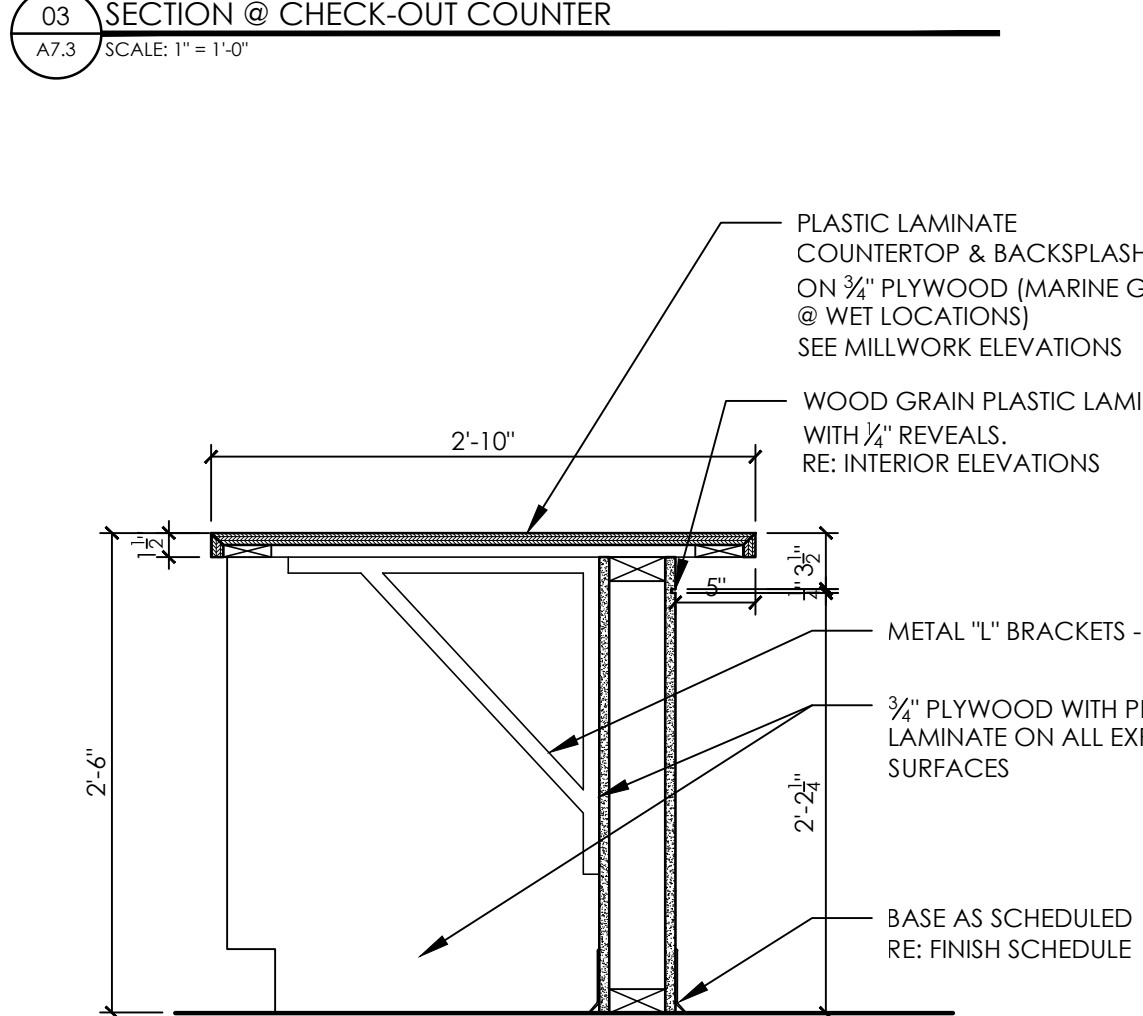
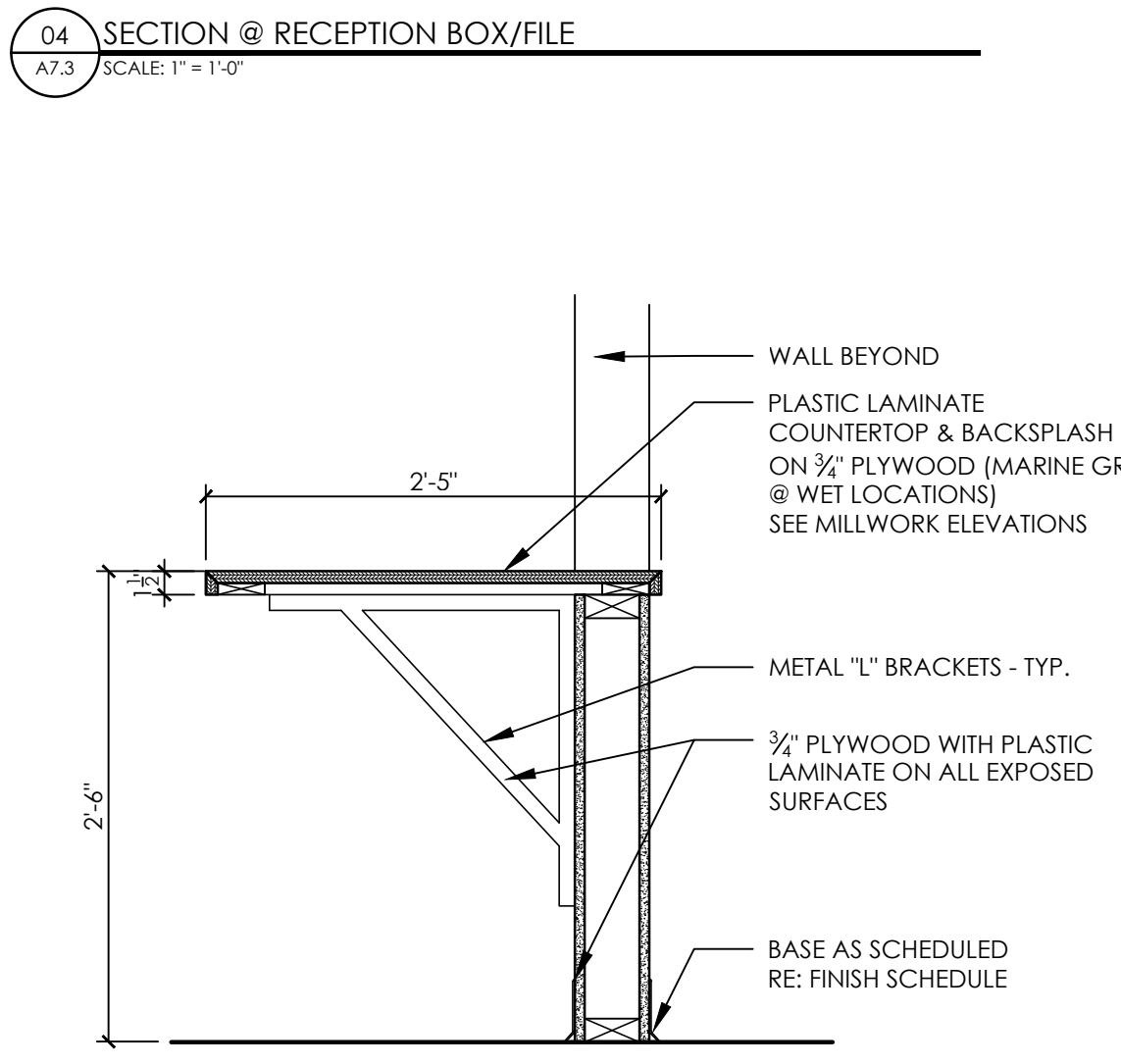
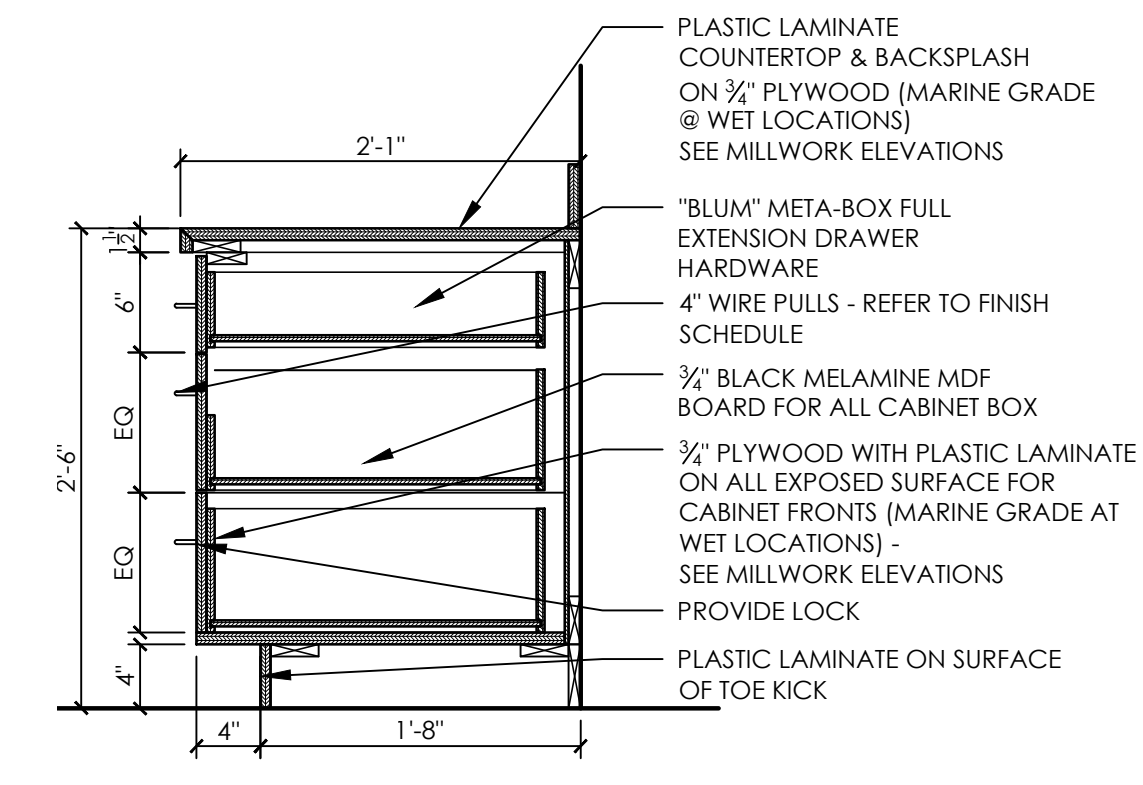
DATE 08.02.2022  
DRAWN AP/MEH  
CHECKED ENH  
APPROVED H+HA

PROJECT NUMBER 22046.10

SHEET TITLE INTERIOR ELEVATIONS

DRAWING NO. A7.2

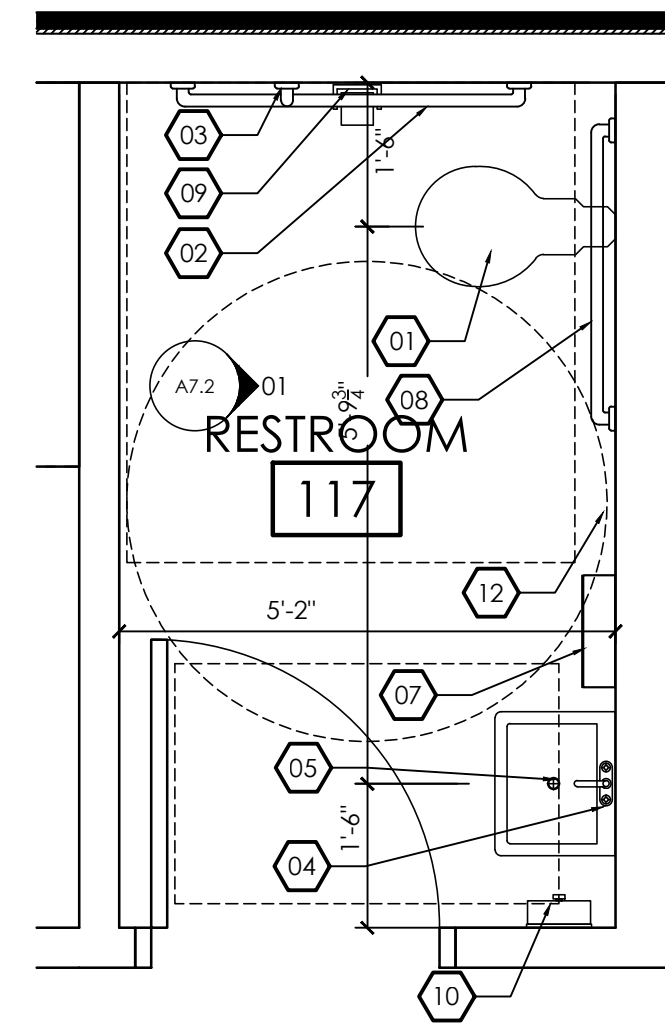
NOTE: MELAMINE TO BE WHITE WHERE PL-1 & PL-2 IS LOCATED & MELAMINE TO BE BLACK WHERE PL-3 IS LOCATED.



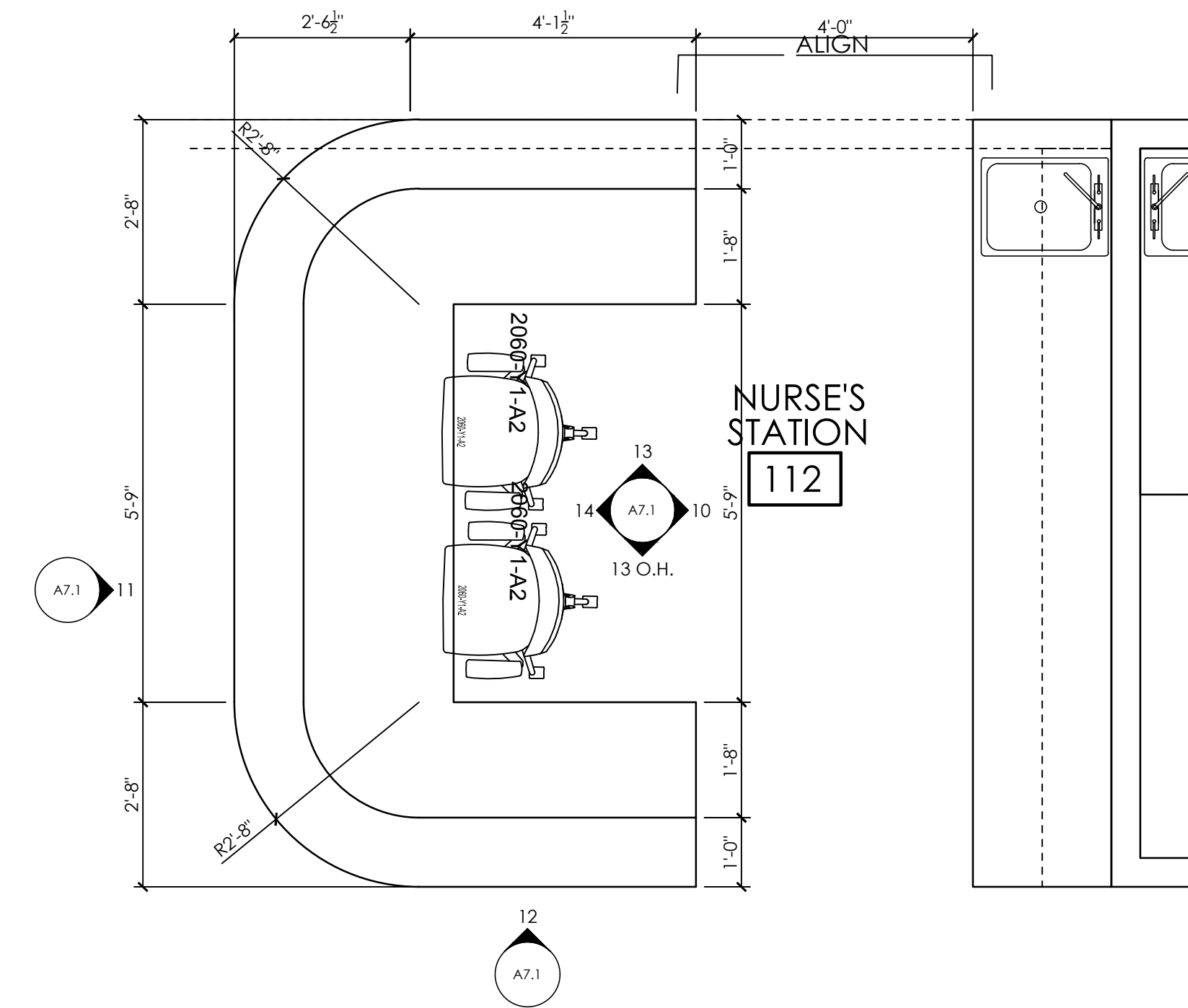
RELEASES / DESCRIPTION / DATES	
DATE	08.02.2022
DRAWN	AP/MEH
CHECKED	ENH
APPROVED	H+HA
PROJECT NUMBER	22046.10
SHEET TITLE	MILLWORK SECTIONS
DRAWING NO.	A7.3

TOILET ACCESSORY LEGEND

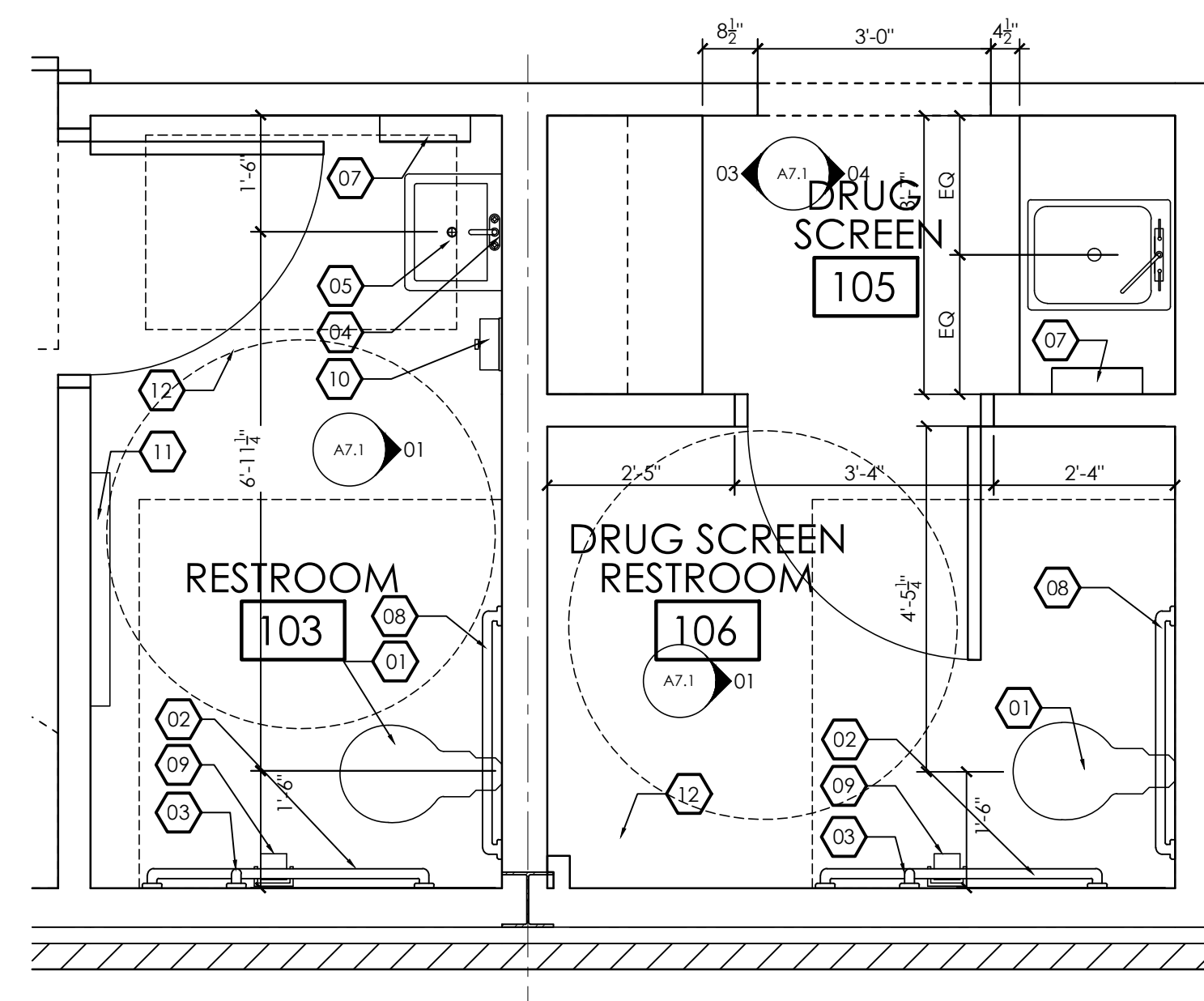
01	TOILET:	SEE PLUMBING
02	42" GRAB BAR:	STAINLESS STEEL FRAMED, 1-1/2" INCHES OUTSIDE DIA., W/ SNAP-ON FLANGE COVERS BY AMERICAN SPECIALTIES - SERIES 3800; 1-1/2" INCHES CLEARANCE BETWEEN WALL AND INSIDE OF GRAB BAR.
03	18" VERTICAL GRAB BAR:	STAINLESS STEEL FRAMED, 1-1/2" INCHES OUTSIDE DIA., W/ SNAP-ON 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	



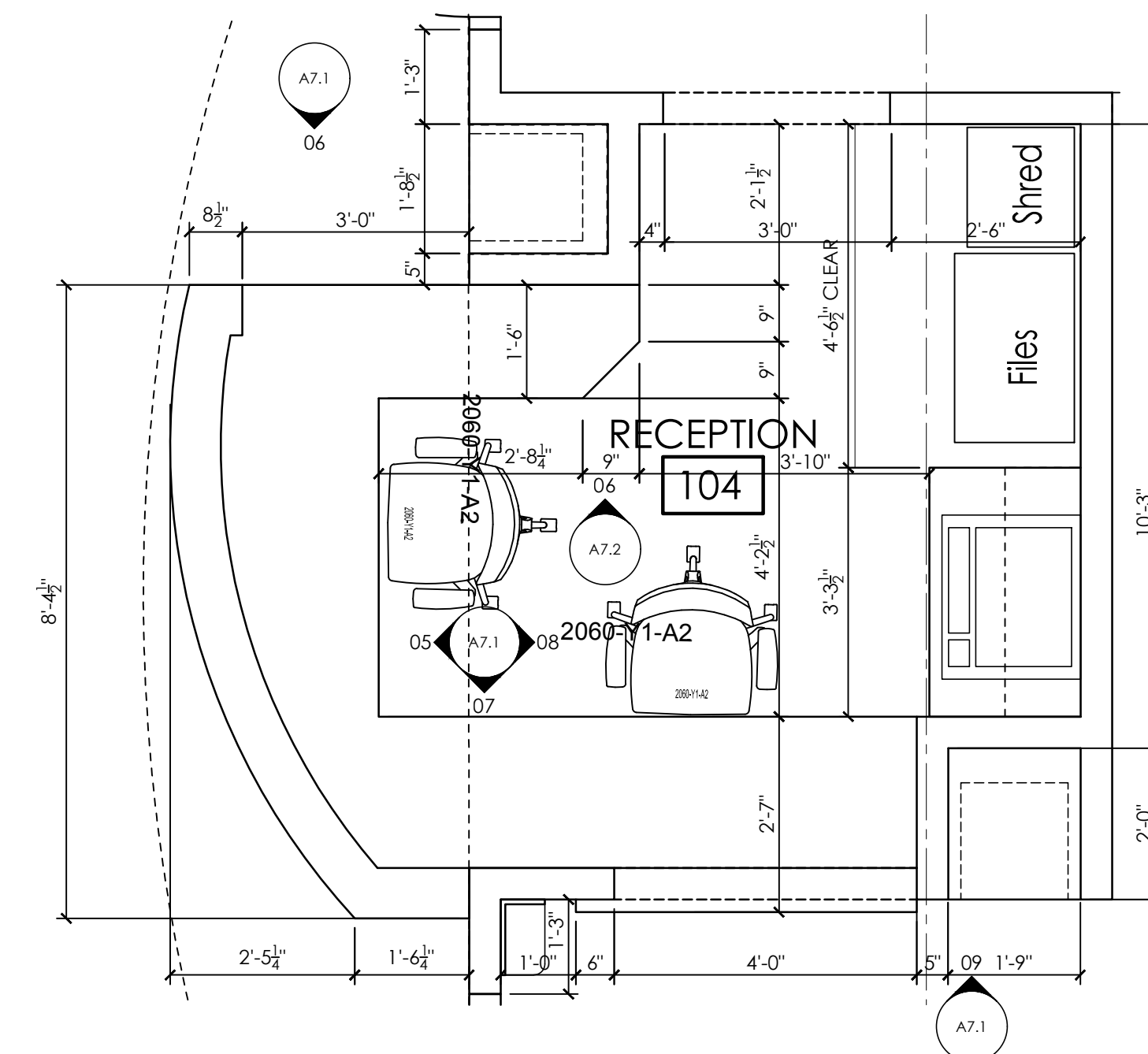
04 ENLARGED PLAN @ RESTROOM  
A7.4 SCALE: 1/2" = 1'-0"



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

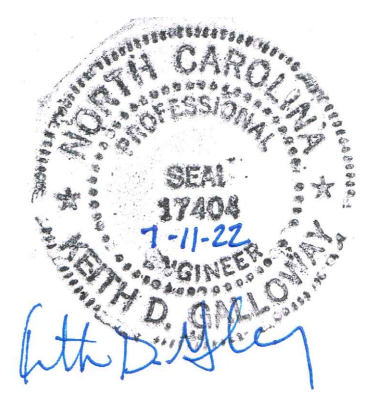
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25 Professional Park 28339  
Erwin, North Carolina

RELEASES / DESCRIPTION / DATES	
NOT FOR CONSTRUCTION	<input type="checkbox"/>
RELEASED FOR CONSTRUCTION	<input type="checkbox"/>
DATE	08.02.2022
DRAWN	AP/MEH
CHECKED	ENH
APPROVED	H+HA
PROJECT NUMBER	22046.10
SHEET TITLE	ENLARGED FLOOR PLANS
DRAWING NO.	A7.4







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.

DESIGN CRITERIA:

1. CODES & SPECIFICATIONS:

- NORTH CAROLINA BUILDING CODE 2018
- INTERNATIONAL BUILDING CODE
- ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
- AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
- METAL BUILDING MANUFACTURER ASSOCIATION'S DESIGN PRACTICE MANUAL

2. DESIGN LOADS

- WIND LOADING
- BASIC WIND SPEED.....Vu=119 MPH (Vasd=92)
- WIND EXPOSURE.....B
- IMPORTANCE FACTOR.....1.0
- BUILDING CATEGORY.....II
- LIVE LOADS
- ROOF LOAD .....20 PSF
- GROUND SNOW LOAD.....10 PSF
- SEISMIC LOADING
- Ss.....0.133
- S1.....0.065
- SMS.....0.213
- SM1.....0.156
- SDS.....0.142
- SD1.....0.104
- SITE CLASS.....D
- SDC.....B
- SEISMIC RESPONSE COEFF. (Cs) - BY METAL BUILDING SUPPLIER
- DESIGN BASE SHEAR, (V) - BY METAL BUILDING SUPPLIER
- RESPONSE MODIFICATION FACTOR BY METAL BUILDING SUPPLIER
- ANALYSIS PROCEDURE BY METAL BUILDING SUPPLIER

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

REINFORCING STEEL & CONCRETE

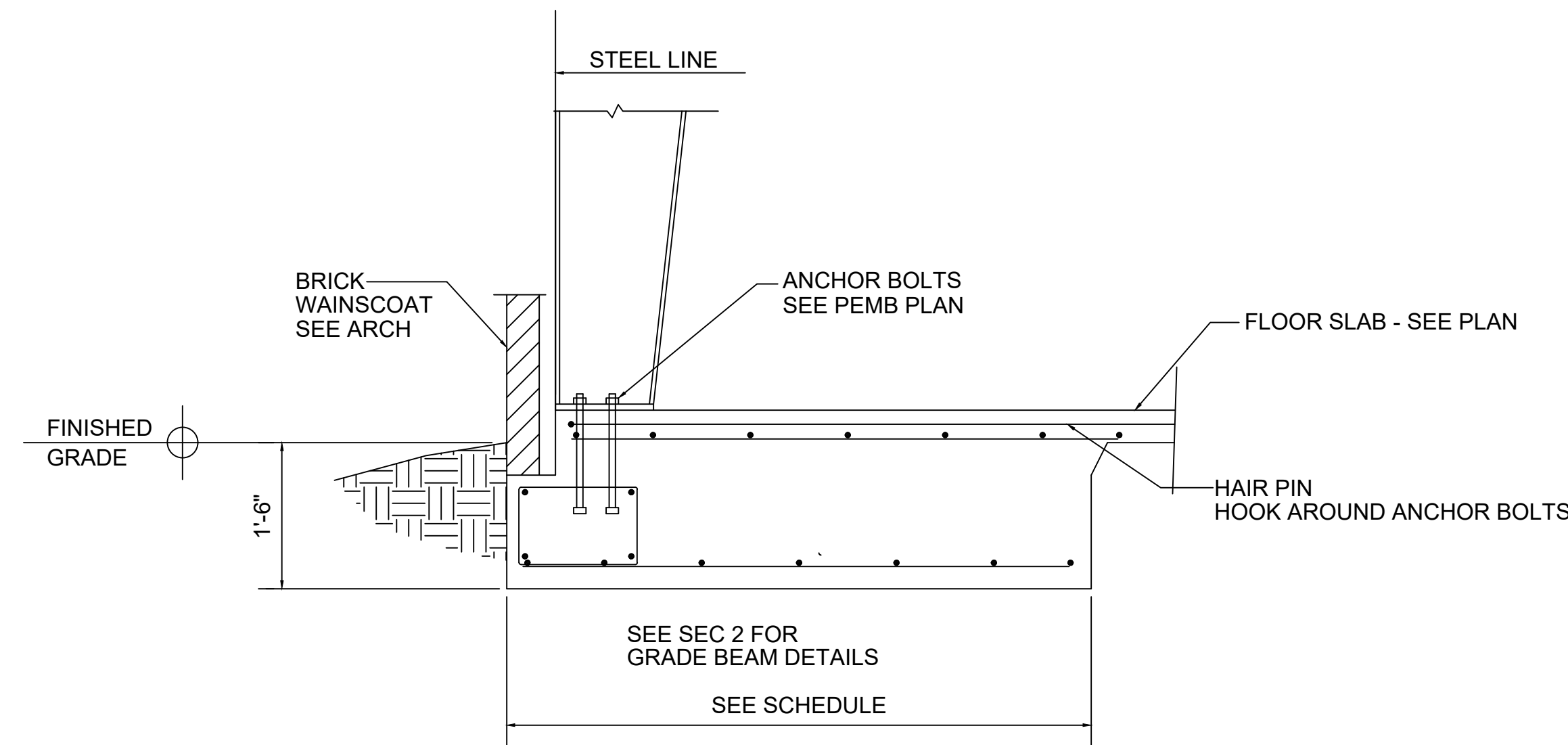
1. ALL CONCRETING METHODS SHALL COMPLY WITH ACI STANDARDS.
2. ALL REINFORCING DETAILING TO BE IN ACCORDANCE WITH ACI DETAILING MANUAL SP-66
3. CONCRETE PROPERTIES:

  - USE.....DESIGN STRENGTH
  - FOOTINGS.....3000 PSI
  - SLAB ON GRADE.....3000 PSI

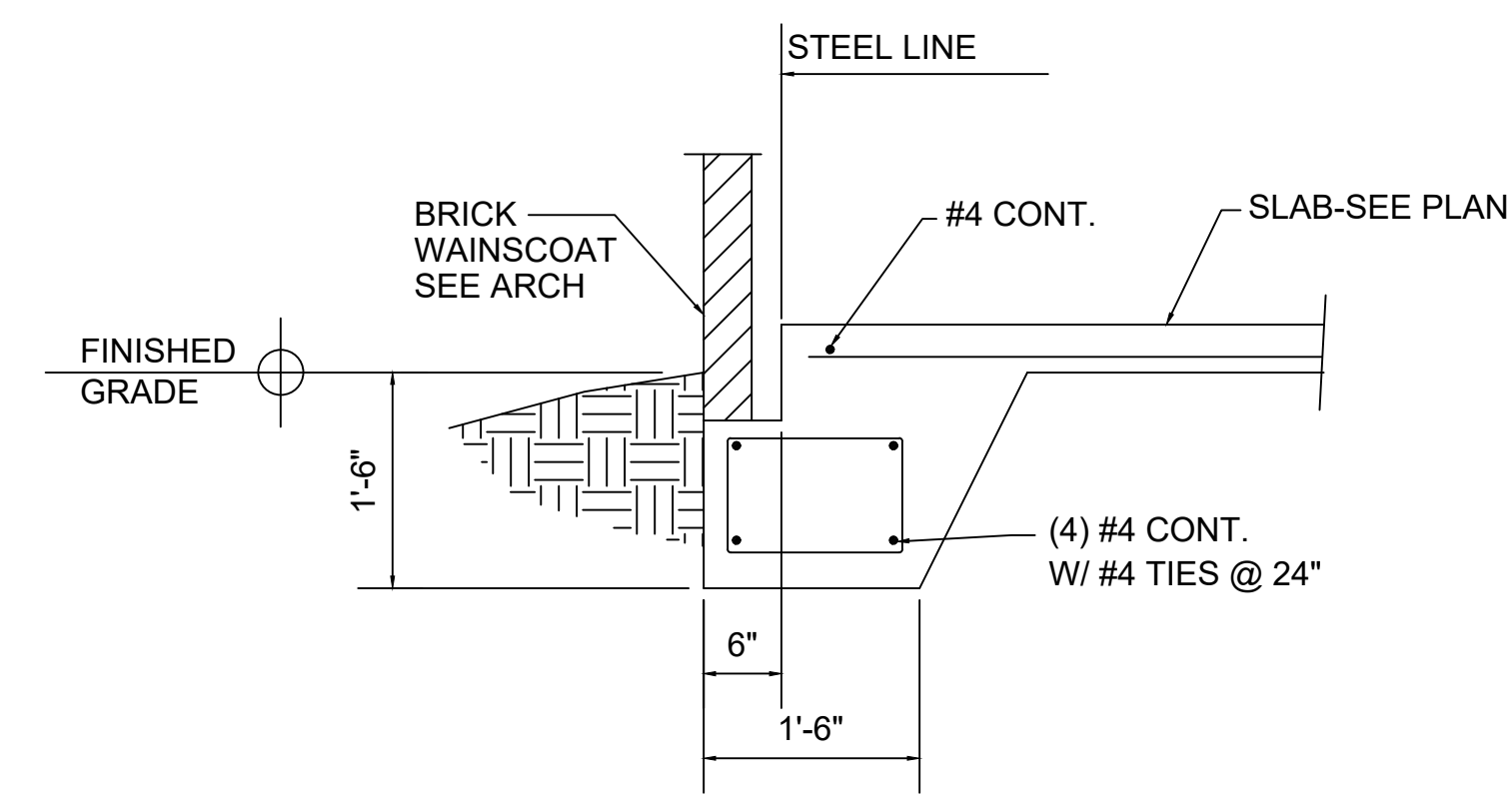
4. REINFORCING BARS: ASTM A615 GRADE 60
5. ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE UNLESS NOTED.
6. ALL REINFORCING MARKED CONTINUOUS SHALL BE SPLICED WITH CLASS "B" TENSION LAP, UNLESS NOTED.
7. SLAB ON GRADE IS 4", UNLESS NOTED. SLABS ARE TO BE PLACED ON 10 MIL PVC VAPOR BARRIER OVER 4" OF POROUS FILL. REINFORCE SLABS WITH 6X6 W1.4XW1.4 WWF 2" FROM TOP OF SLAB.
8. SEE ARCHITECTURAL PLANS FOR FLOOR SLOPES AND DRAINS.

PRE-ENGINEERED METAL BUILDING:

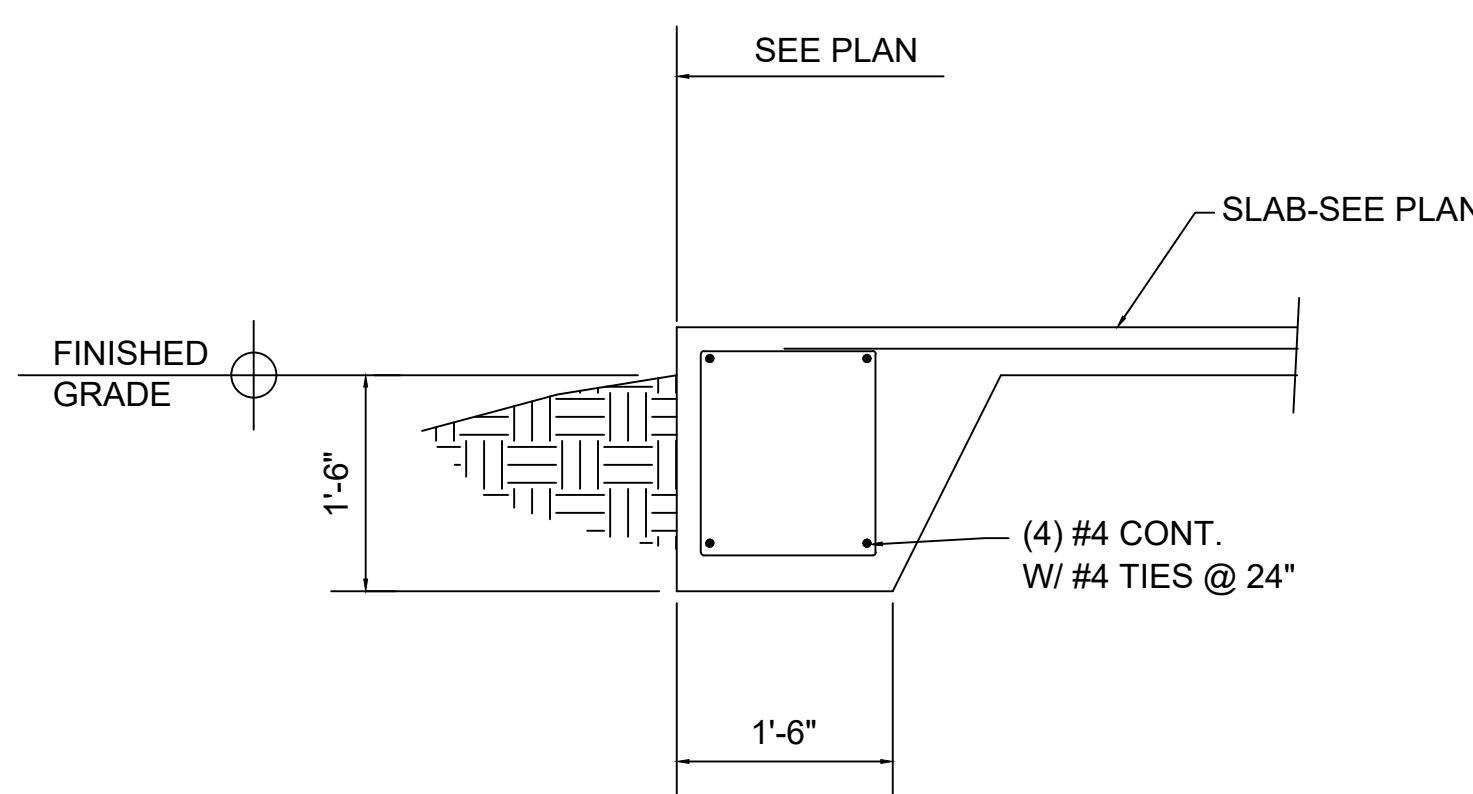
1. METAL BUILDING MANUFACTURER SHALL BE A MEMBER OF METAL BUILDING MANUFACTURERS ASSOCIATION (MBMA) AND BE AISC CERTIFIED FOR CATEGORY MB.
2. ANCHOR BOLT DIAMETER AND SPACING FURNISHED BY METAL BUILDING MANUFACTURER.
3. FOUNDATION DESIGN IS BASED ON PRELIMINARY REACTIONS AND SHALL BE VERIFIED WHEN FINAL REACTIONS ARE AVAILABLE.
4. METAL BUILDING SHALL BE DESIGNED IN ACCORDANCE WITH "THE METAL BUILDING MANUFACTURERS ASSOCIATION DESIGN PRACTICE MANUAL".
5. METAL BUILDING REACTIONS, CALCULATIONS AND DRAWINGS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA.



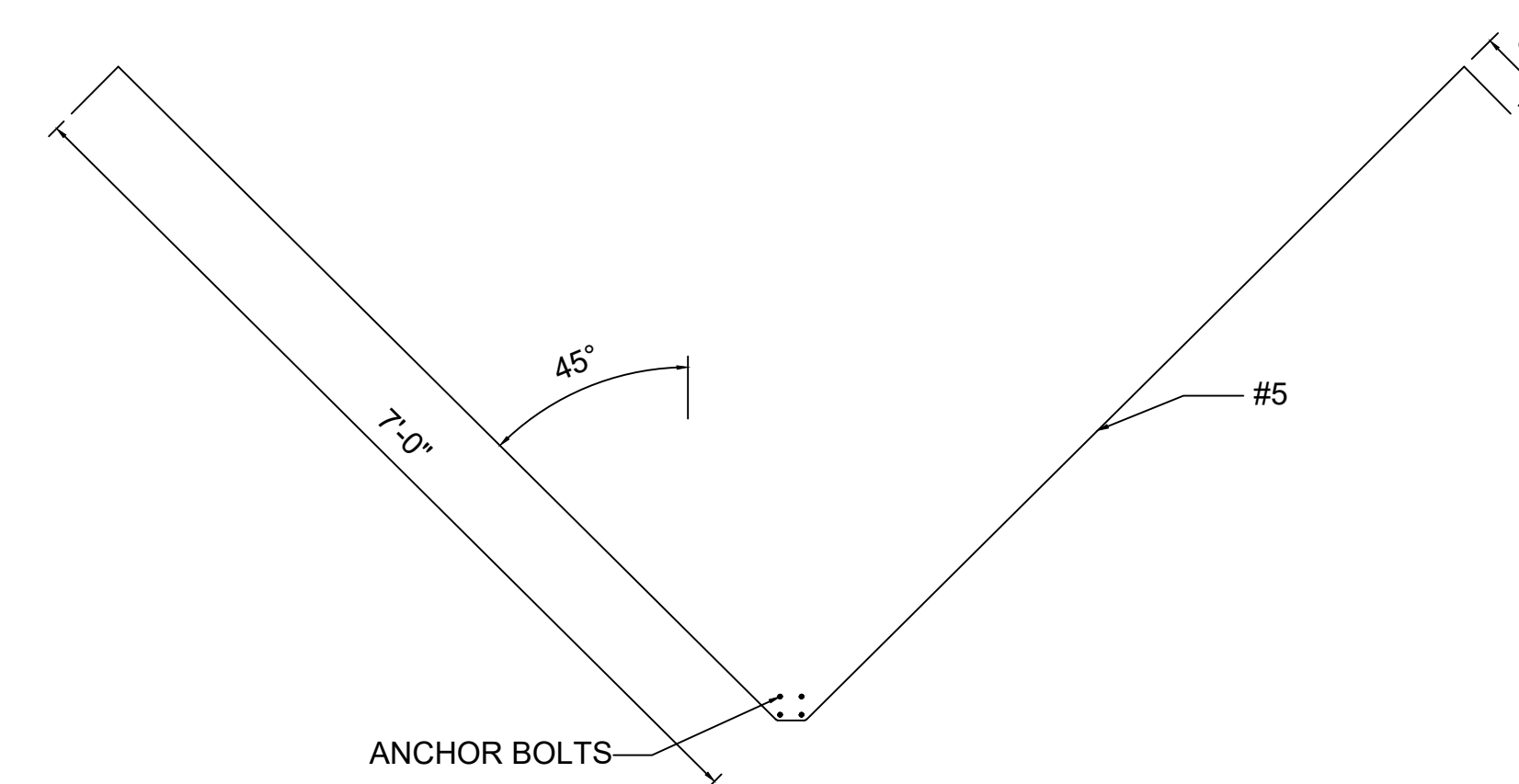
SECTION 1  
S1.0



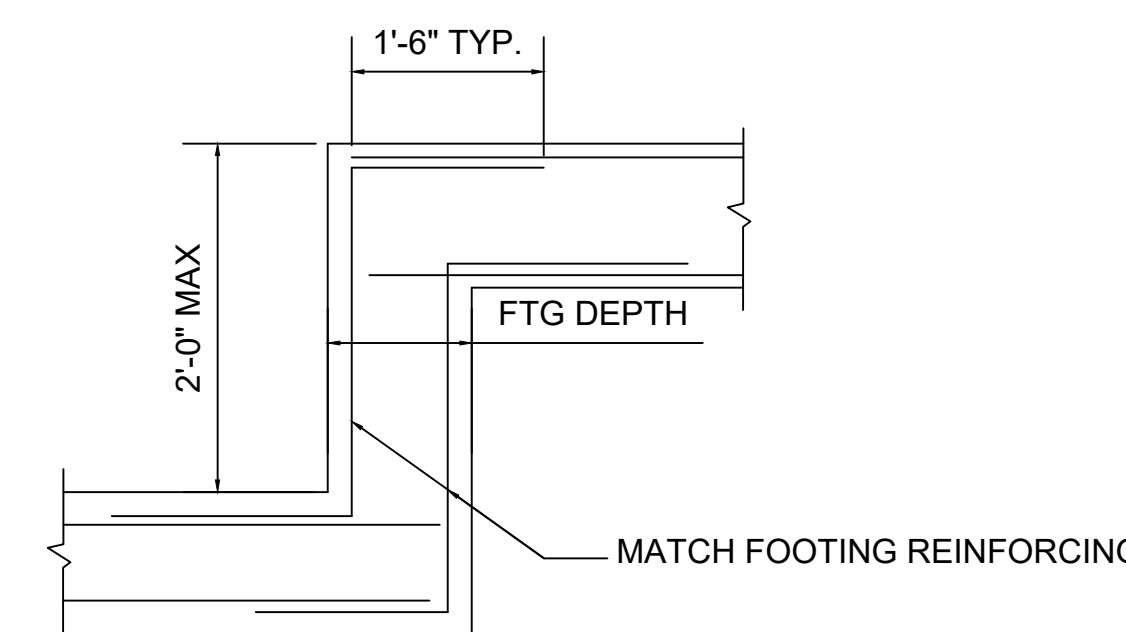
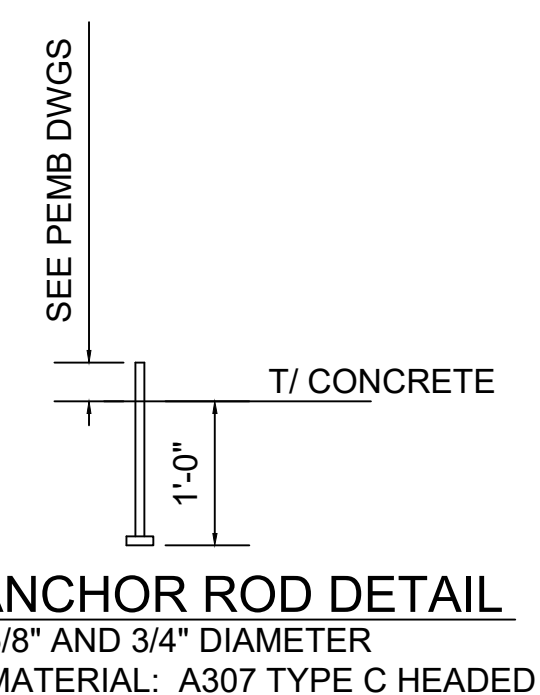
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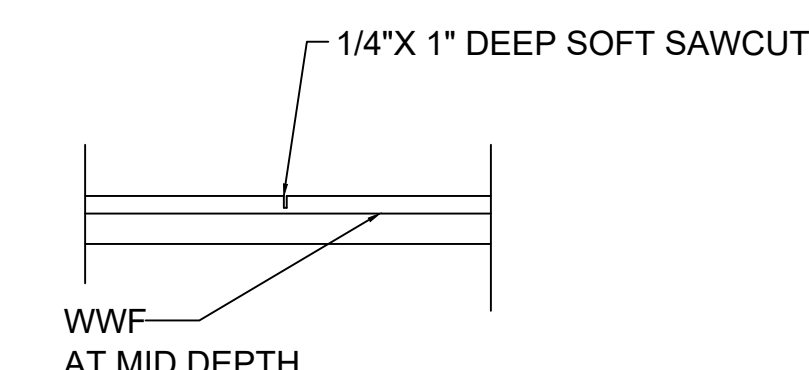
SECTION 3  
S1.0



HAIR PIN DETAIL



FOOTING STEP DETAIL



SLAB CONTROL JOINT

VERTICAL BAR LAP SPLICE SCHEDULE			
LAP SPLICE LENGTH			
BAR SIZE	CMU		CONCRETE
	f <sub>m</sub> =1500	f <sub>c</sub> =3000	f <sub>c</sub> =4000
#3	19"	22"	19"
#4	34"	29"	25"
#5	45"	36"	31"
#6	54"	43"	37"
#7	63"	63"	54"
#8	72"	72"	62"

HORIZONTAL BAR LAP SPLICE SCHEDULE			
LAP SPLICE LENGTH			
BAR SIZE	CMU		CONCRETE
	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"

RELEASES / DESCRIPTION / DATES


NOT FOR CONSTRUCTION   
 RELEASED FOR CONSTRUCTION

DATE 07.12.2022  
 DRAWN AP  
 CHECKED KDG  
 APPROVED KDG

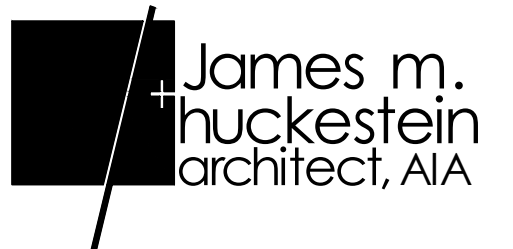
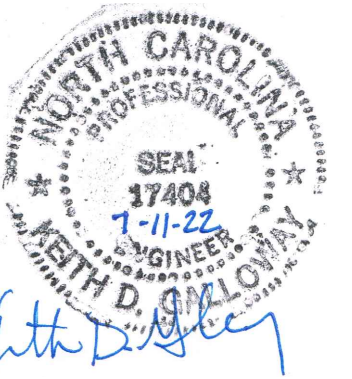
PROJECT NUMBER 22046.10

SHEET TITLE

STRUCTURAL  
 DETAILS

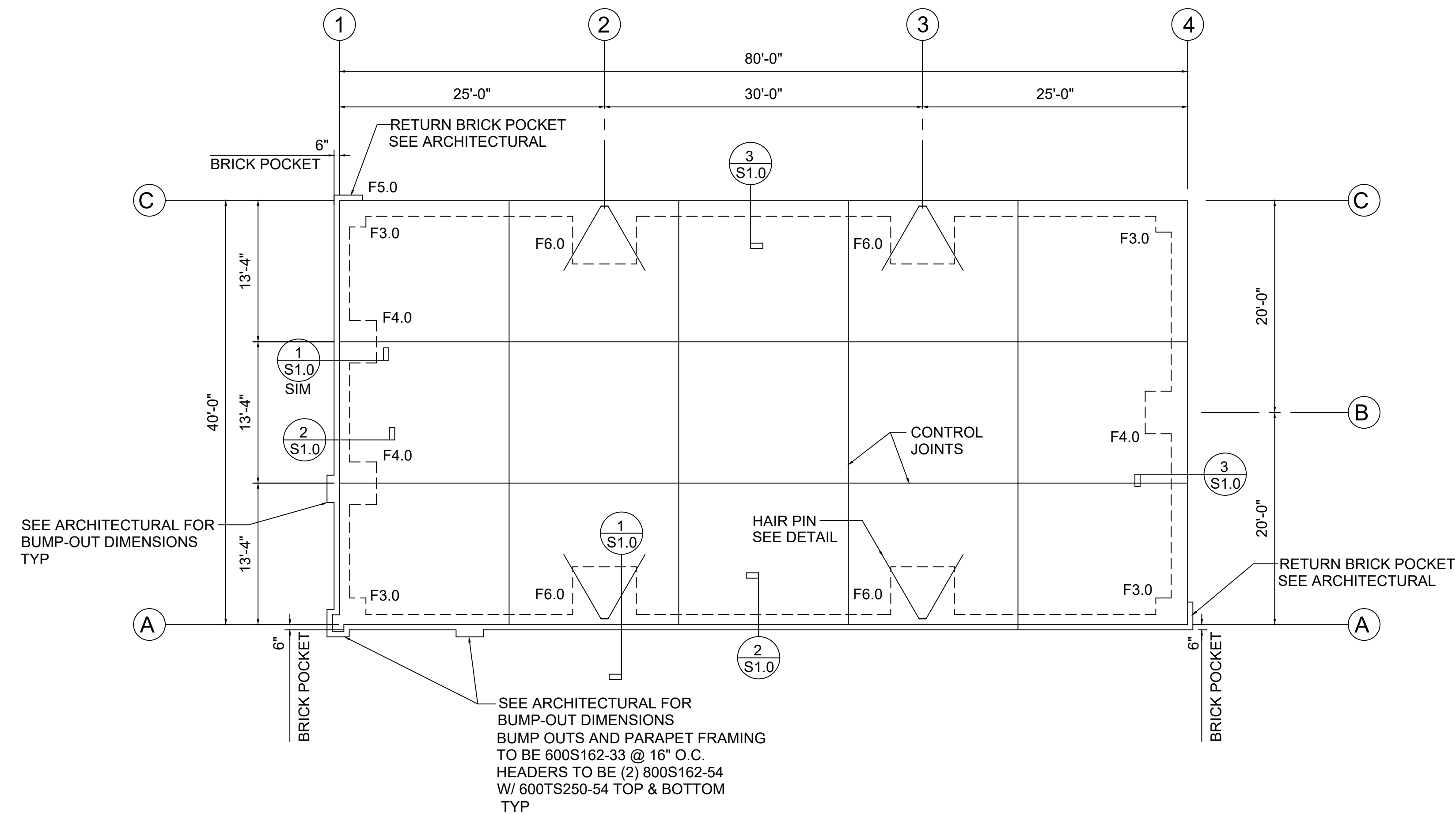
DRAWING NO.

S1.0



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### FOUNDATION PLAN

1/8" = 1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION = 100.0' (REF.)
2. TYPICAL FLOOR SLAB CONSTRUCTION: 4" THICK WITH 6X6-W1.4XW1.4 AT MID DEPTH ON DRAINAGE FILL
3. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL AND METAL BUILDING DRAWINGS
4. FOUNDATION DESIGN BASED ON REACTIONS PROVIDED BY IDEAL STEEL JOB # 7105, DATED 6/20/22.

### FOOTING SCHEDULE

FOOTING DESIGNATION	F3.0	F4.0	F6.0
SIZE	3'-0"X3'-0"	4'-0"X4'-0"	6'-0"X6'-0"
DEPTH	1'-10"	1'-10"	1'-10"
REINF. EW	4 #5	5 #5	7 #5
NOTES	1	1	1

- NOTES:  
 1. PROVIDE SCHEDULED REINFORCEMENT IN TOP & BOTTOM OF FOOTING

RELEASES / DESCRIPTION / DATES

NOT FOR CONSTRUCTION   
 RELEASED FOR CONSTRUCTION

DATE 07.12.2022

DRAWN AP

CHECKED KDG

APPROVED KDG

PROJECT NUMBER 22046.10

SHEET TITLE

FOUNDATION PLAN

DRAWING NO.

S2.0

## INDOOR AC UNIT SCHEDULE

SYMBOL	TOTAL CFM	O.A. CFM	E.S.P. (IN. W.C.)	FAN H.P.	COOLING CAP.(MBH)		COIL FACE AREA	SUPP. ELEC. HEAT		ELECTRICAL	ELECTRICAL		FILTER MAX. F.V. 1" T.A.	EQUAL TO	REMARKS
					TOTAL	SENSIBLE		KW	NO. STAGES		MCA	MFS MCB			
AC-1	1240	150	0.75	1.0	42	32	5.96	10.0	2	240/1/60	58.5	60	350	CARRIER	PROVIDE "COR" #TP-WEM01-A THERMOSTAT
AC-2	1240	150	0.75	1.0	42	32	5.96	10.0	2	240/1/60	58.5	60	350	CARRIER	PROVIDE "COR" #TP-WEM01-A THERMOSTAT
AC-3	1500	250**	0.75	1.0	48	36	5.96	15.0	2	240/1/60	58.5* 25.0	60* 25	350	CARRIER	PROVIDE "COR" #TP-WEM01-A THERMOSTAT PROVIDE CO2 SENSOR AND CONTROL OSA DPR TO MAINTAIN 1000 PPM

NOTE: PROVIDE CO2 CONTROLLED MODULATING OUTDOOR AIR DAMPER WHERE INDICATED ON PLANS. DEHUMIDIFIERS PROVIDED BY OWNER IF NECESSARY  
PROVIDE CLEAR PLASTIC LOCK BOX WITH ROUNDED CORNERS FOR EACH THERMOSTAT  
\*\* PROVIDE CO2 SENSOR AND CONTROL OSA DPR TO MAINTAIN 1000 PPM  
\* TWO POWER CIRCUITS REQUIRED

NOTE: PROVIDE HONEYWELL TRUDRY DEHUMIDIFIER #DR120A AT THE WAITING ROOM. HANG ABOVE CEILING AND DUCT SUPPLY/RETURN TO CEILING GRILLES IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS

## OUTDOOR HEAT PUMP UNIT SCHEDULE

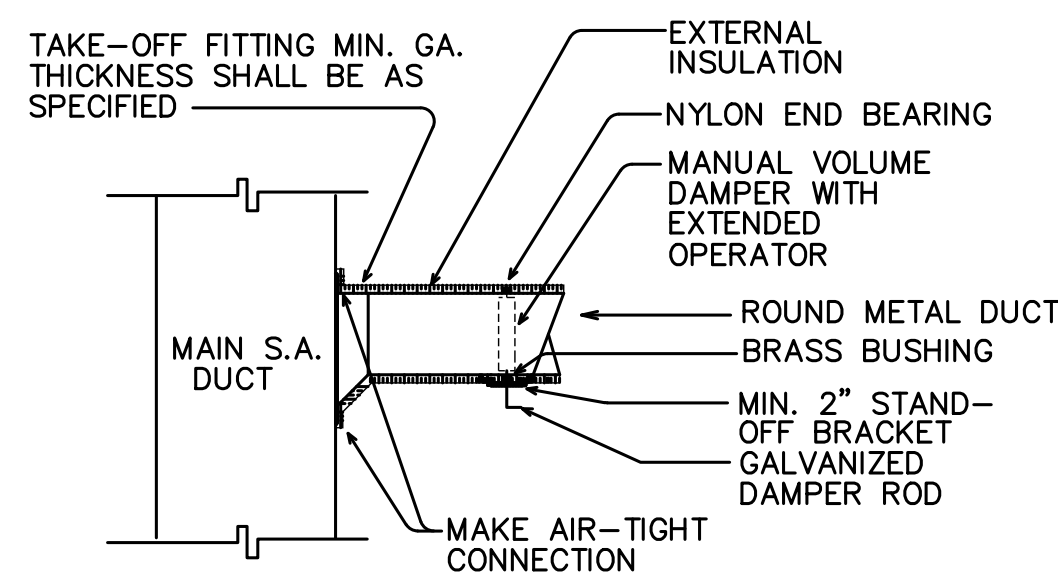
SYMBOL	TOT. ARI COOLING CAP.		HEATING CAPACITY		FANS				COMPRESSOR				ELECTRICAL VOLTS/PH./HZ.	MINIMUM SEER	EQUAL TO	REMARKS	
	MBH	AMBIENT (°F)	MBH	KW	NUMBER	H.P. EA.	FLA EA.	LRA EA.	NO.	H.P. EA.	FLA EA.	LRA EA.					MCA
CU-1	42	95	-	-	1	1/4	1.3	-	1	-	15.5	105	24	40	240/1/60	14.0	CARRIER
CU-2	42	95	-	-	1	1/4	1.3	-	1	-	15.5	105	24	40	240/1/60	14.0	CARRIER
CU-3	48	95	-	-	1	1/4	1.3	-	1	-	19.0	108	25.2	40	240/1/60	14.0	CARRIER

## 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

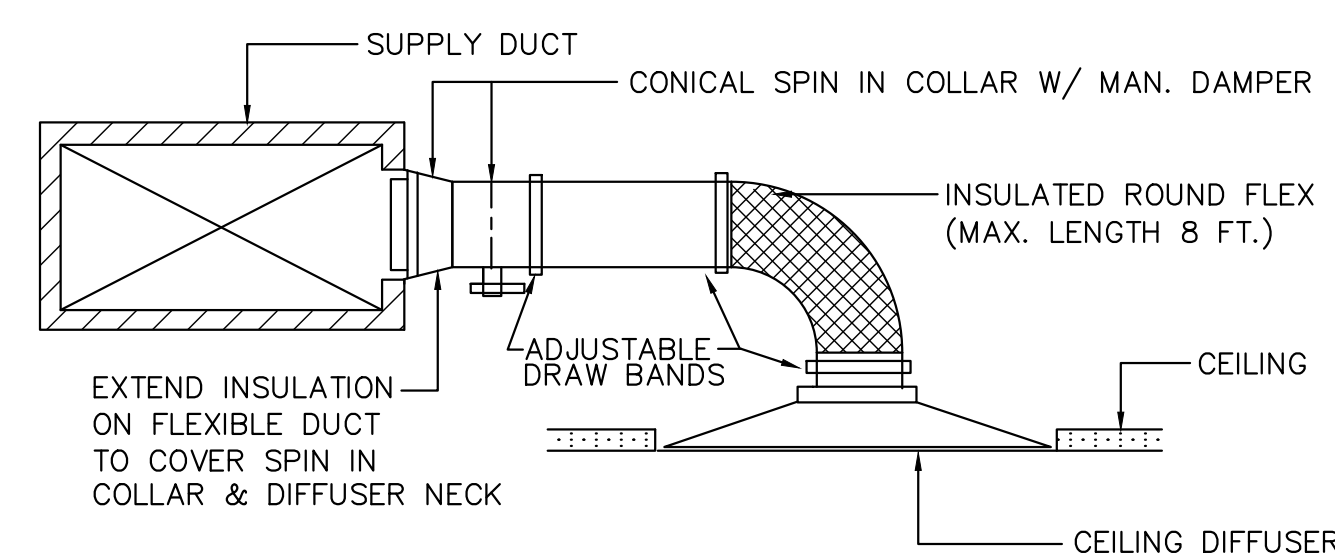
### FAN ACCESSORIES AND NOTES:

- 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



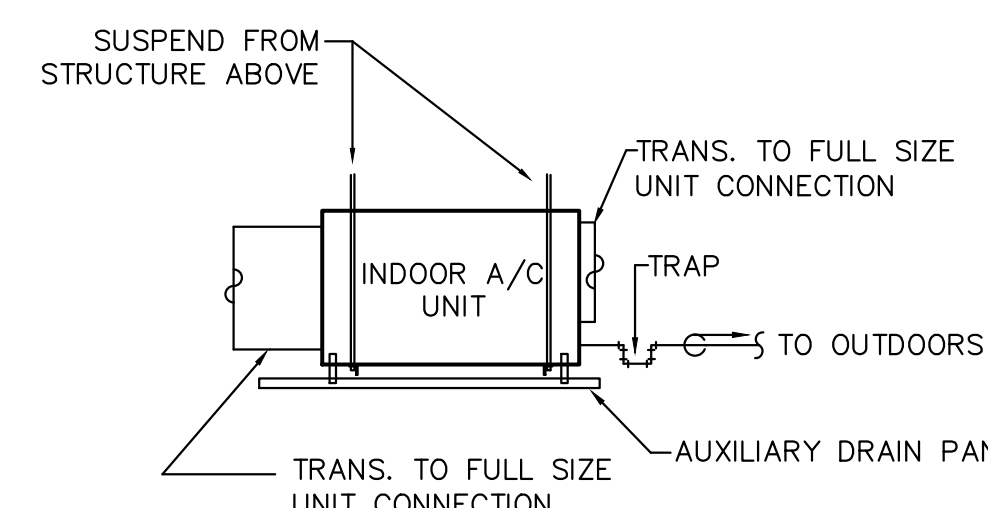
**ROUND BRANCH DUCT TAKE-OFF DETAIL**

NOT TO SCALE



**TYPICAL FLEXIBLE DUCT CONNECTION DETAIL**

NO SCALE



**HORIZONTAL FURNACE DETAIL**

NO SCALE

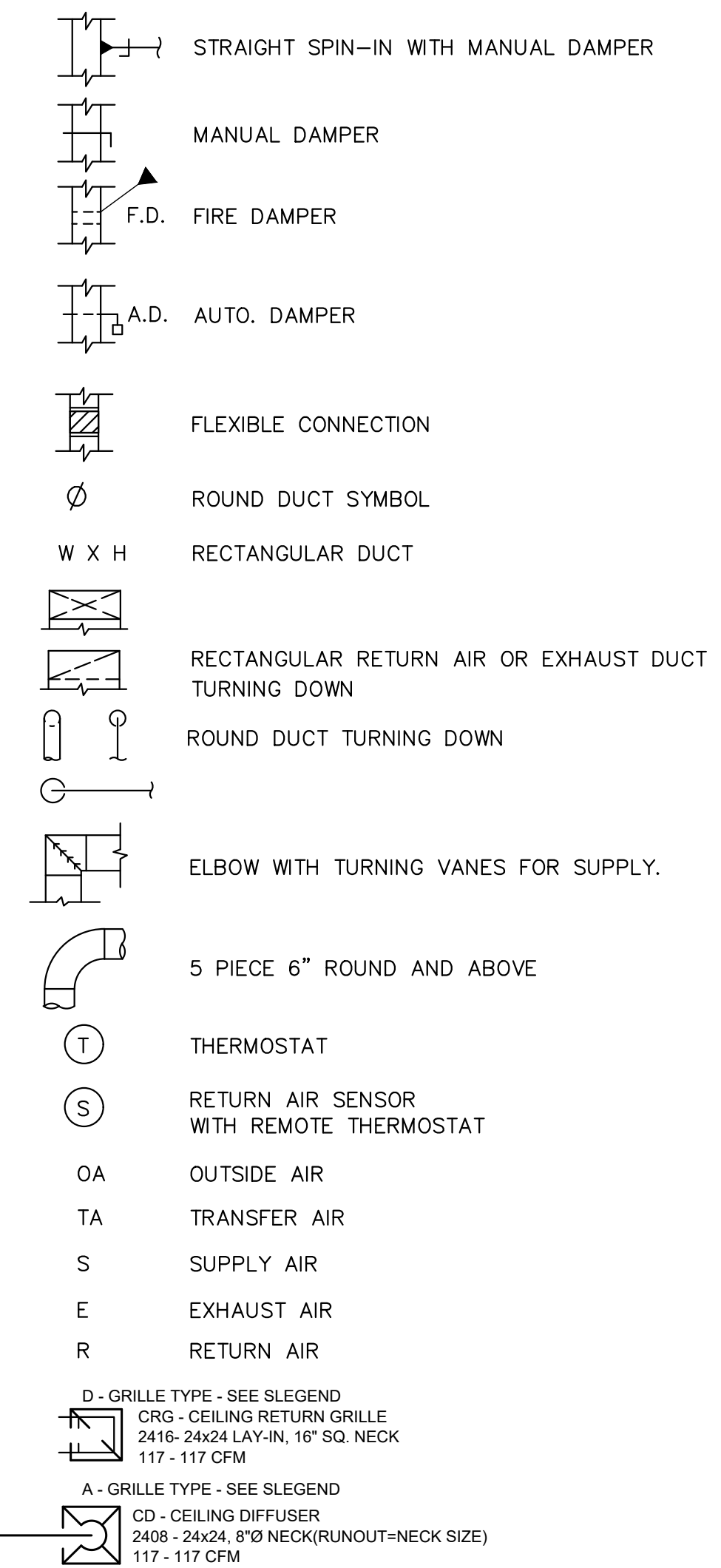
### NOTE:

- PROVIDE HORIZONTAL AIR HANDLING UNIT W/AUXILIARY DRAIN PAN W/ FLOAT SWITCH TO INTERRUPT POWER UPON FILLING. PROVIDE FILTER ACCESS AS REQUIRED.

### 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.

### AIR DEVICES



8-2-22 07.20.2021

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architect, AIA

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A New Building For:

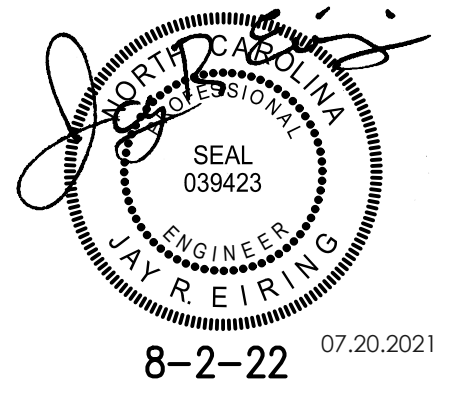
**MainStreet**

**FAMILY URGENT CARE**

25 Professional Park 28339  
Erwin, North Carolina

RELEASES / DESCRIPTION / DATES	
NOT FOR CONSTRUCTION	□
RELEASED FOR CONSTRUCTION	■
DATE	08.02.2022
DRAWN	AP
CHECKED	ENH
APPROVED	H+HA
PROJECT NUMBER	22046.10
SHEET TITLE	HVAC SCHEDULES & DETAILS, HVAC PLAN
DRAWING NO.	<b>M1.1</b>





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A New Building For:

**MainStreet**  
FAMILY URGENT CARE

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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						
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 K-3839-1-NA SERIES, K-8801-VS WASTE OUTLETS WITH TAILPIECE, EBC TA 150 P-TRAP AND EBC LA 10 STOPS WITH SUPPLIES AND KOHLER 597-VS FAUCET. COORDINATE SIZE WITH MILLWORK BEFORE ORDERING. PROVIDE INSINKERATOR EVOLUTION EXCEL 1.0 HP DISPOSER.

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.

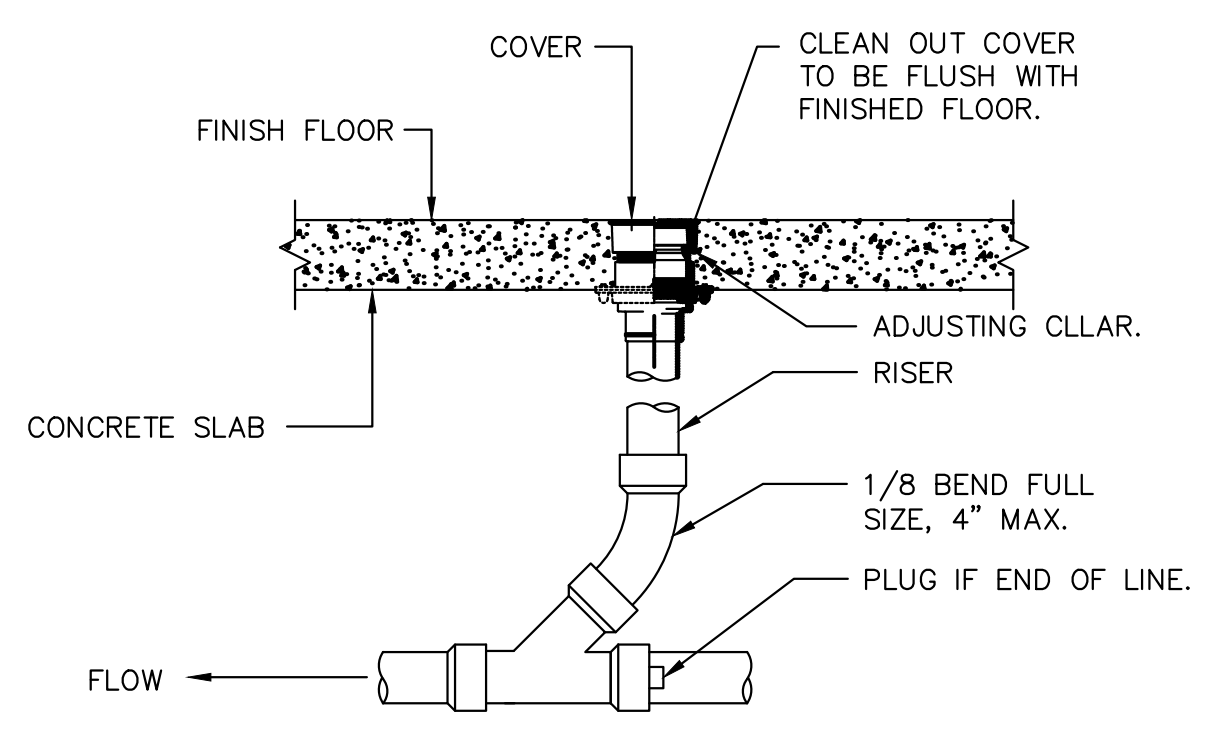
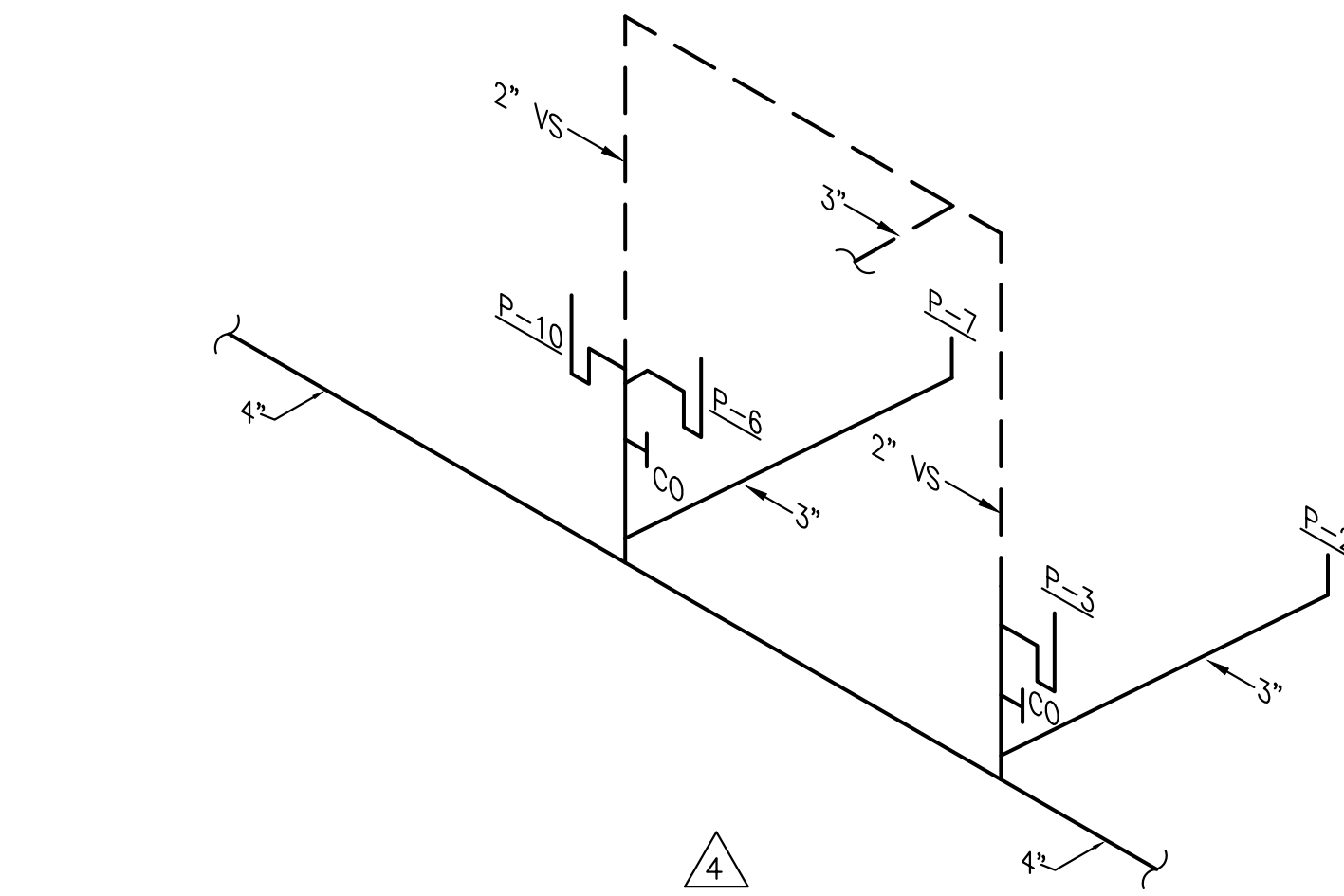
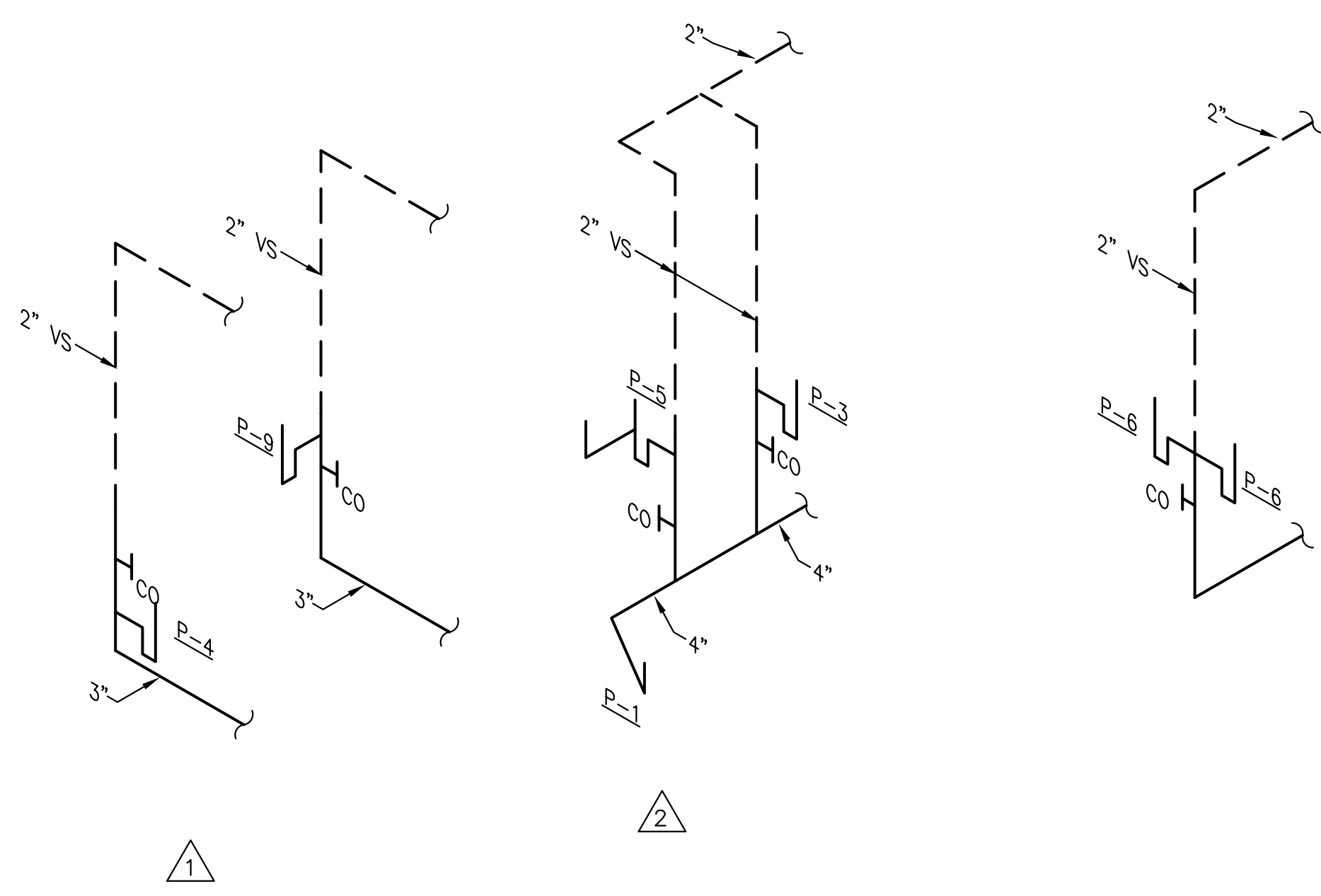
**PLUMBING LEGEND**

- 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.
- S - STORM LINE: PVC PLASTIC.
- G - 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
- ⊙ FD FLOOR DRAIN: J.R. SMITH #2010 WITH 6" ROUND NICKEL BRONZE GRATE. PROVIDE TRAP PRIMER FOR EACH FLOOR DRAIN.

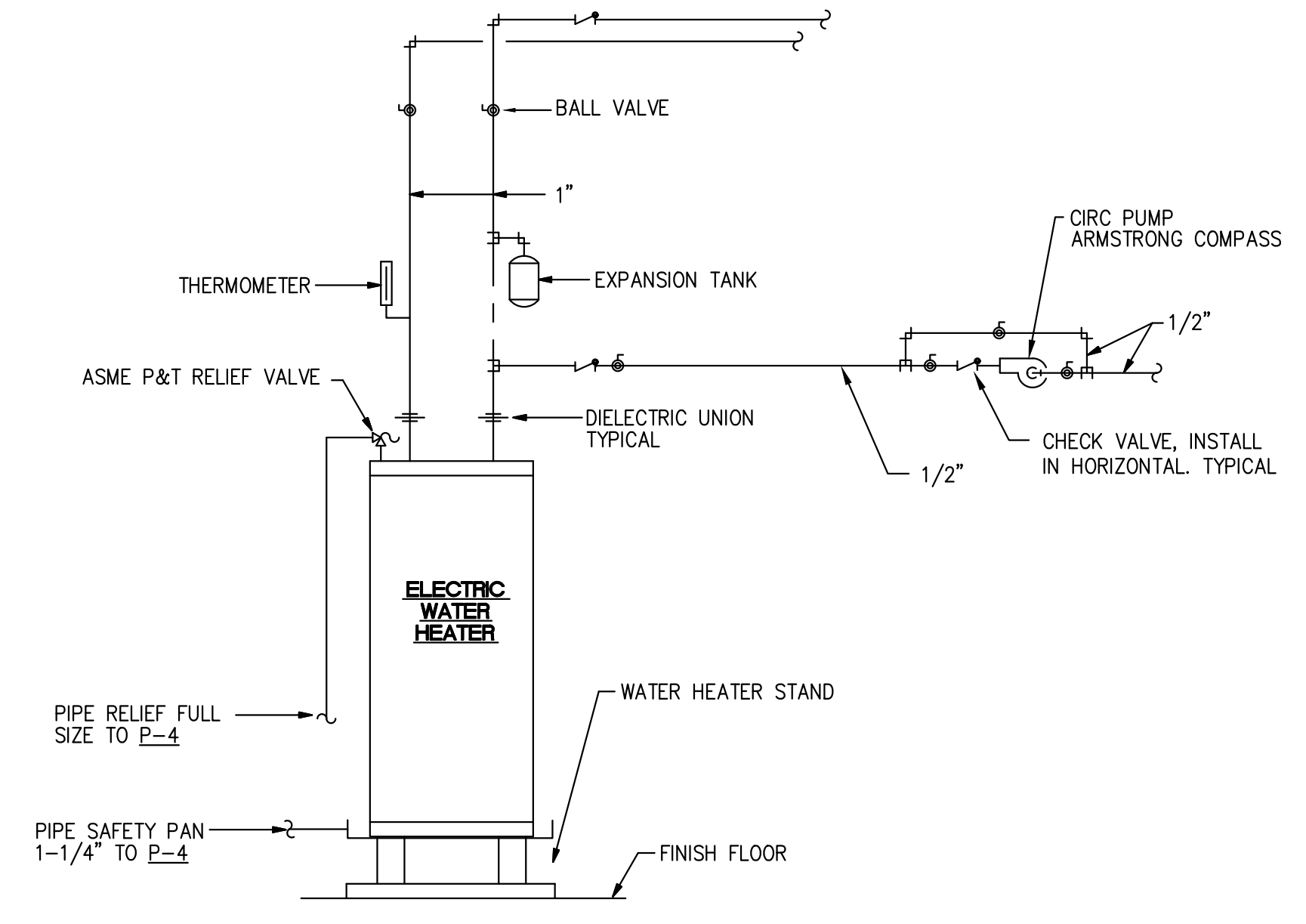
- P-# PLUMBING FIXTURE NUMBER
- △ RISER DIAGRAM NUMBER
- AFF ABOVE FINISH FLOOR
- CO CLEAN OUT
- ABV ABOVE
- WS WASTE STACK
- SS SOIL STACK
- VS VENT STACK
- VSTR VENT STACK THRU ROOF
- CW COLD WATER
- HW HOT WATER
- TW TEMPERED WATER
- (X) EXISTING
- EXIST. EXISTING
- ⊙ NEW CONN TO EXIST

**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.

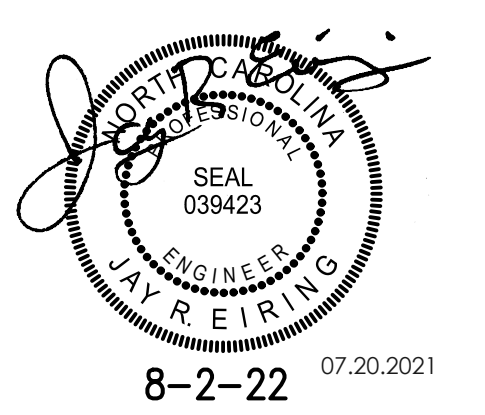


**CLEAN OUT DETAIL**  
NO SCALE



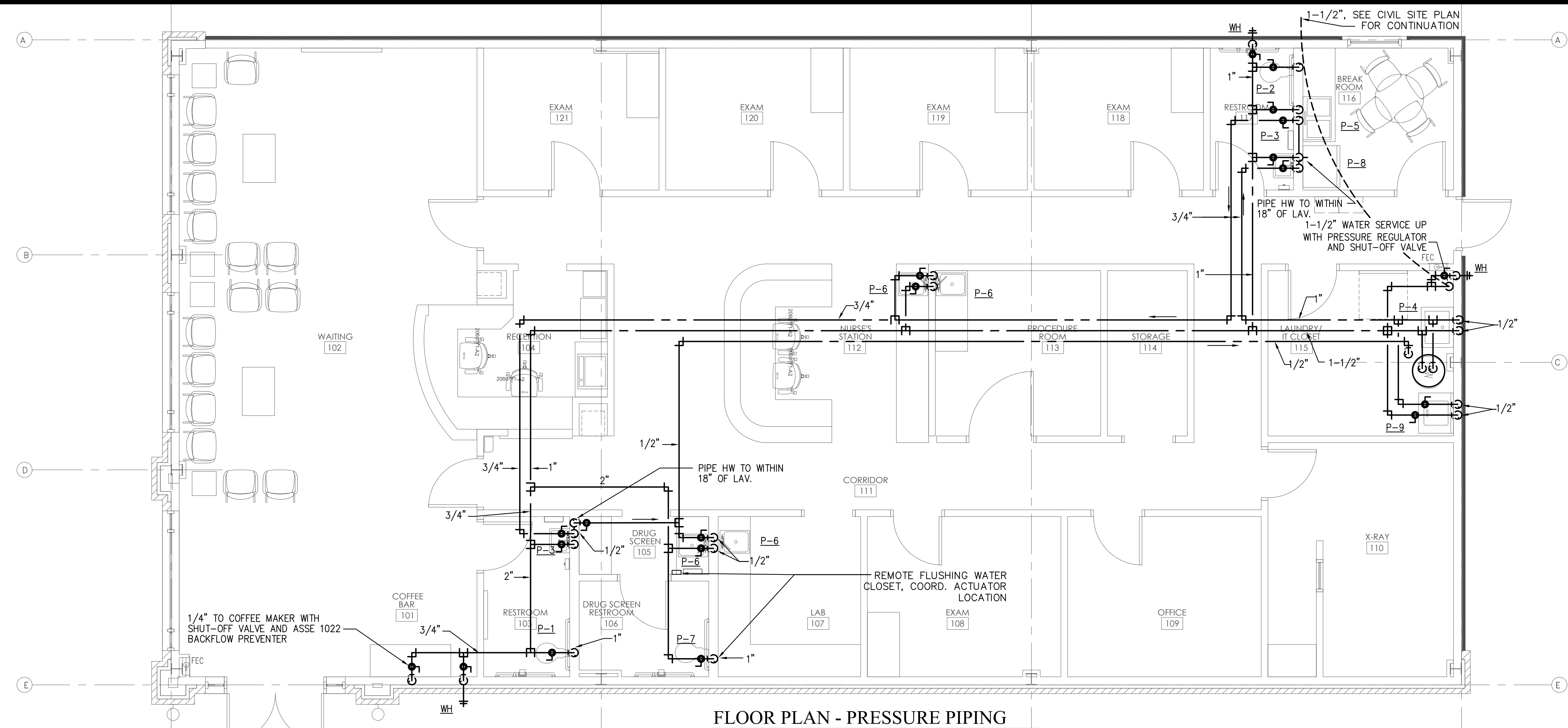
**WATER HEATER: 40 GALLON, WITH 2-4.5KW ELEMENTS, 240/1/60**  
**DETAIL OF PIPING AT ELECTRIC WATER HEATER**  
NO SCALE

RELEASES / DESCRIPTION / DATES	
NOT FOR CONSTRUCTION	□
RELEASED FOR CONSTRUCTION	■
DATE	08.02.2022
DRAWN	AP
CHECKED	ENH
APPROVED	H+HA
PROJECT NUMBER	22046.10
SHEET TITLE	PLUMBING SCHEDULES & DETAILS
DRAWING NO.	P1.1

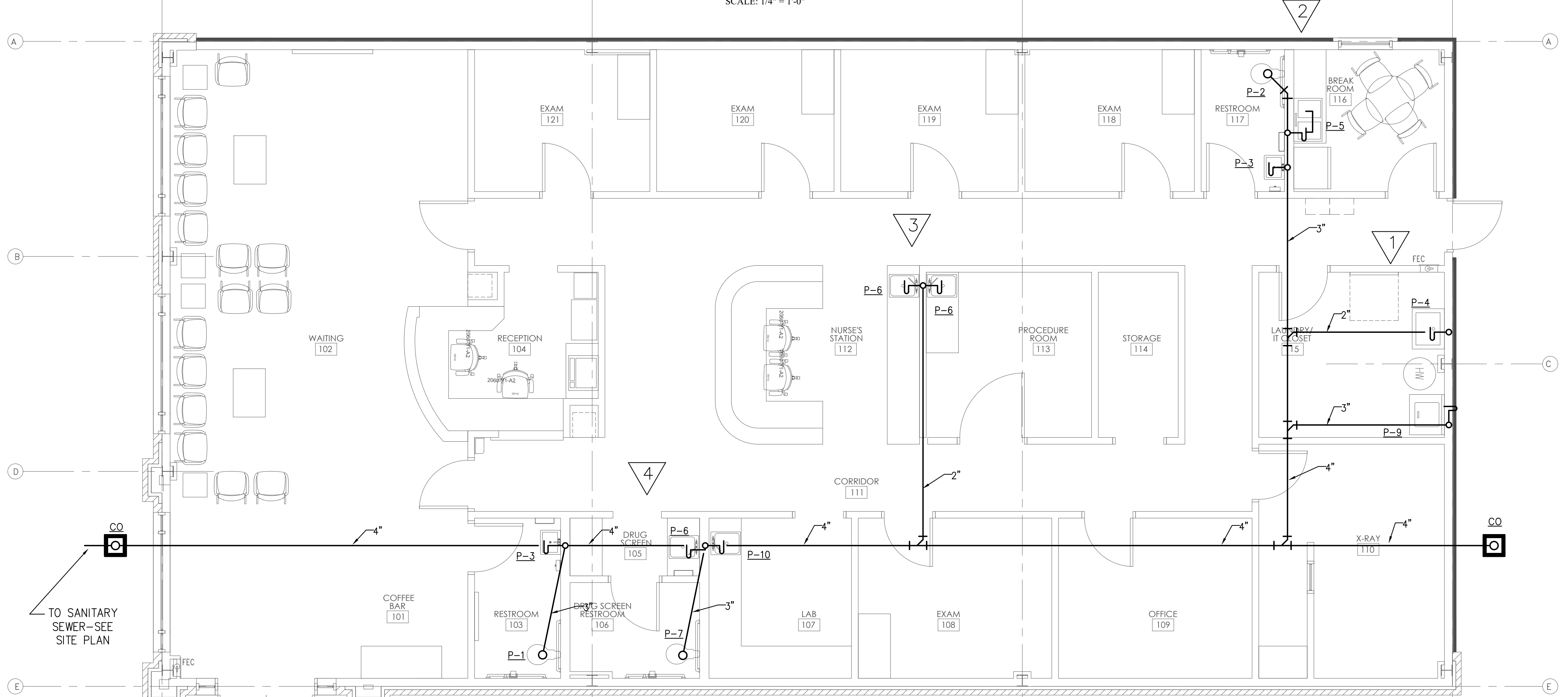


**James m. huckestein**  
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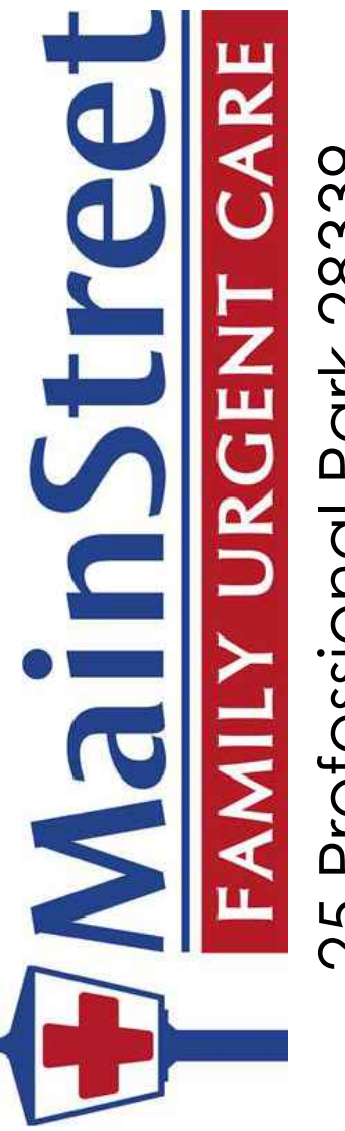


**FLOOR PLAN - PRESSURE PIPING**  
SCALE: 1/4" = 1'-0"



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

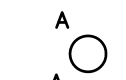
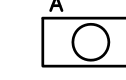



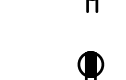

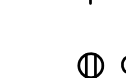

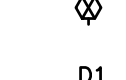
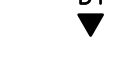

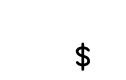
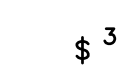










A New Building For:




25 Professional Park 28339  
Erwin, North Carolina

RELEASES / DESCRIPTION / DATES	
NOT FOR CONSTRUCTION	□
RELEASED FOR CONSTRUCTION	■
DATE	08.02.2022
DRAWN	AP
CHECKED	ENH
APPROVED	H+HA
PROJECT NUMBER	22046.10
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. HUBBELL #5252.
-  WALL OUTLET: DUPLEX RECEPTACLE, UPPER HALF SWITCHED FOR TABLE LAMP.
-  WALL OUTLET: QUAD RECEPTACLE, TWO DUPLEX UNDER SINGLE PLATE.
-  WALL OUTLET: DUPLEX RECEPTACLE, 15A., 125V., 2P.,3W., 3'-9"H. UNLESS OTHERWISE NOTED OR EQUAL.
-  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.
-  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.
-  WEATHERPROOF
-  CONDUIT RACEWAY
-  MOUNT ABOVE COUNTER
-  GROUND FAULT CIRCUIT INTERRUPTER
-  NON-FUSED DISCONNECT
-  FUSED DISCONNECT
-  RECEPTACLE PANEL: SEE SCHEDULE AND SPECIFICATIONS.
-  PHOTOCCELL, 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
LPA	DESIGN HOUSE PRESTON ART GLASS SATIN NICKEL PENDANT WITH OPAL GLASS	1-13W-LED	HOME DEPOT# 516849/202500763
LWS	WALL SCNCE	1-13W-LED	PROGRESS LIGHTING# P5683-31EB
LDA	LED DOWNLIGHT, 6" DIAMETER,	1-13W-LED	HALO# H750ICAT/ML709830ICAT120D/494WB06
LWW	LED WALL WASH DOWNLIGHT, 6" DIAMETER,	1-13W-LED	HALO# H750ICAT/ML709830ICAT120D/430W
LWA	LED WALL PACK.	LED	LUMARK# WPSQLED-100-UNV
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.

- LOW-VOLTAGE (VOICE/DATA)
1. THE ELECTRICAL CONTRACTOR SHALL INSTALL CAT5 VOICE/DATA CABLES. TERMINATE WITH RJ-45 JACKS ON SINGLE GANG PLATE AT WORK STATIONS. LEAVE 15'-0" SLACK CABLE AT TBB.
  2. CABLE SHALL BE PLENUM RATED.

**COMcheck Software Version 4.1.1.0**  
**Interior Lighting Compliance Certificate**

**Project Information**  
 Energy Code: 2015 IECC  
 Project Title: Urgent Care  
 Project Type: New Construction

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

**Allowed Interior Lighting Power**

A	B	C	D
Area Category	Floor Area (ft <sup>2</sup> )	Allowed Watts / ft <sup>2</sup>	Allowed Watts (B X C)
1-Health Care-Clinic	3159	0.81	2559
Total Allowed Watts =			2559

**Proposed Interior Lighting Power**

A	B	C	D	E
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps / Fixture	# of Fixtures	Fixture Watt.	(C X D)
1-Health Care-Clinic				
LED 2: LGA, LED Panel 41W	1	50	41	2050
LED 3: LPA, LPA, LED A Lamp 11W	1	9	11	99
LED 5: XA, XIC, Other	1	6	7	42
Total Proposed Watts =				2191

**Interior Lighting Passes: Design 14% 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 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

David Morrow, Lighting designer, Signature: *David Morrow*, Date: 7/8/22  
 Name: Title: Hyde Engineering, Inc.

Project Title: Urgent Care, Report date: 07/08/22  
 Data filename: C:\Users\dmmorrow\HYDE\EGRU\Desktop\Urgent Care, Page: 1 OF 1

PANEL LP-A (SEC 2)

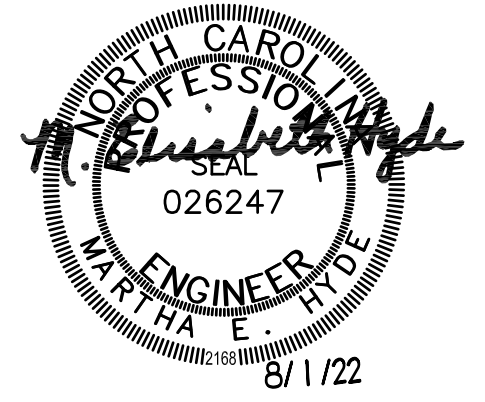
V/P/W 120/240V, 1PH, 3W, MAIN BUS RATING 400, MAIN C.B. TRIP M.L.O., MOUNTING SURFACE, MINIMUM INTERRUPTING AMPACITY 10,000

DEVICE	BRANCH CIRCUIT		PHASE LOAD (VOLT-AMPS)				BRANCH CIRCUIT		DEVICE
	DESIGNATION	VOLT-AMPS	PHASE A		NO.	VOLT-AMPS	DESIGNATION		
			POLES	TRIP					
20 1	SPARE	400 31	400			32	SPARE	1 20	
30 2	STACKED WASHER/DRYER	2500 33	4750			34	2250 WATER HEATER	2 30	
60 2	STACKED WASHER/DRYER	2500 35	4750			36	2250 WATER HEATER	2 30	
60 2	AC-1	5616 37		5616		38	CU-1 (NON-SIMULTANEOUS)	2 30	
60 2	AC-1	5616 39		5616		40	CU-1		
60 2	AC-2	5616 41		5616		42	CU-2 (NON-SIMULTANEOUS)	2 40	
60 2	AC-2	5616 43		5616		44	CU-2		
60 2	AC-3 CKT#1	5616 45		5616		46	CU-3 (NON-SIMULTANEOUS)	2 45	
25 2	AC-3 CKT#1	5616 47		5616		48	CU-3		
	AC-3 CKT#2	2400 49		2400		50	SPACE		
	AC-3 CKT#2	2400 51		2400		52	SPACE		
	SPACE			0		54	SPACE		
	SPACE			0		56	SPACE		
	SPACE			0		58	SPACE		
	SPACE			0		60	SPACE		
TOTAL CONNECTED VA			24398	23998		CONNECTED AMPACITY 203			

PANEL LP-A (SEC 1)

V/P/W 120/240V, 1PH, 3W, MAIN BUS RATING 400, MAIN C.B. TRIP 400, MOUNTING SURFACE, MINIMUM INTERRUPTING AMPACITY 10,000

DEVICE	BRANCH CIRCUIT		PHASE LOAD (VOLT-AMPS)				BRANCH CIRCUIT		DEVICE
	DESIGNATION	VOLT-AMPS	PHASE A		NO.	VOLT-AMPS	DESIGNATION		
			POLES	TRIP					
20 1	LIGHTING	1000 1	2000			2	1000 LIGHTING	1 20	
20 1	LIGHTING	800 3		1400		4	800 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	RECEPTACLES (GFCI BKR)	800 9		1600		10	800 RECEPTACLES (GFCI BKR)	1 20	
20 1	RECEPTACLES GFCI BREAKER	800 11		1800		12	1000 RECEPTACLES	1 20	
20 1	RECEPTACLES	800 13		1300		14	500 BUILDING SIGNAGE	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	U.C. REFRIGERATOR	800 25		1600		26	800 U.C. REFRIGERATOR	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			15000	13300		CONNECTED AMPACITY 125			



**James m. Thuckestein**  
 architect, AIA

architecture . planning . interior design

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A New Building For:

**MainStreet**  
 FAMILY URGENT CARE

25 Professional Park 28339  
 Erwin, North Carolina

RELEASES / DESCRIPTION / DATES

NOT FOR CONSTRUCTION   
 RELEASED FOR CONSTRUCTION

DATE 06.30.2022

DRAWN DBM  
 CHECKED RTH  
 APPROVED H+HA

PROJECT NUMBER 22046.10

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 (ENT) SHALL NOT BE INCORPORATED INTO THE WORK.
  - 4. USE ONLY THE TYPES OF RACEWAYS SPECIFIED HERE IN.
- B. 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. MOST 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. 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-SH.

II. ACCEPTABLE MANUFACTURERS

- 1. GENERAL ELECTRIC (TYPE AQ)

III. PANELBOARDS

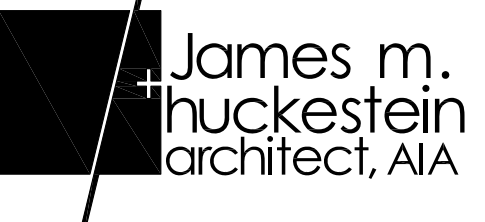
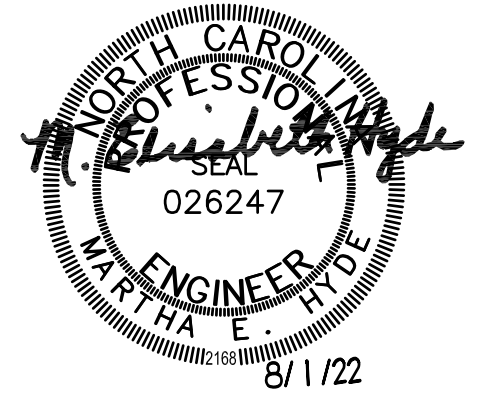
- A. PROVIDE DEAD-FRONT SAFETY CONSTRUCTED FACTORY-ASSEMBLED CIRCUIT BREAKER TYPE PANELBOARDS IN SIZES AND RATINGS AS INDICATED. EQUIP. WITH PANELBOARD UNIT DEVICE, OF TYPES, RATINGS AND CHARACTERISTICS INDICATED. BUSS STRUCTURE AND MAIN LUGS OR MAIN BREAKER SHALL HAVE CURRENT RATINGS AS SHOWN ON THE 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 KEYPED 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. 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

- 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



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RELEASES / DESCRIPTION / DATES

RELEASES	DESCRIPTION	DATES

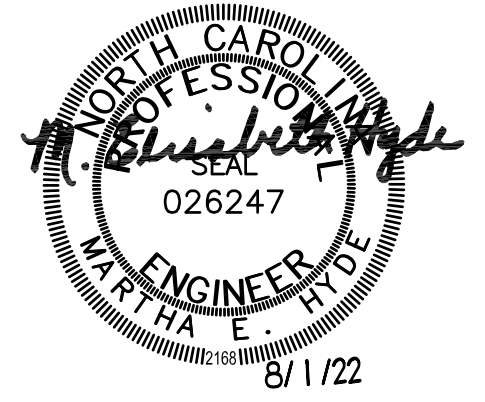
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DATE	06.30.2022
DRAWN	DBM
CHECKED	RTH
APPROVED	H+HA

PROJECT NUMBER 22046.10

SHEET TITLE  
 ELECTRICAL SPECIFICATIONS

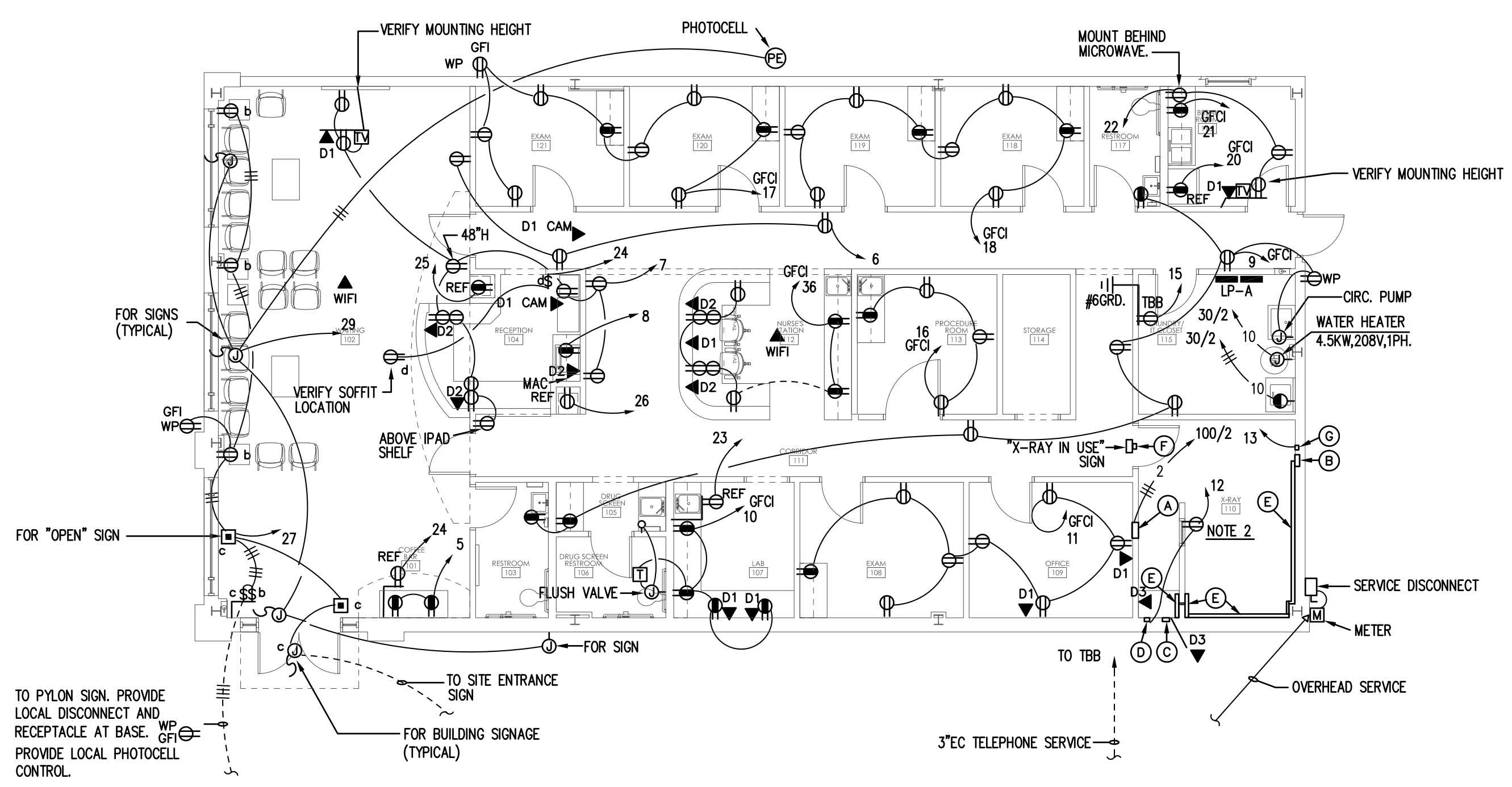
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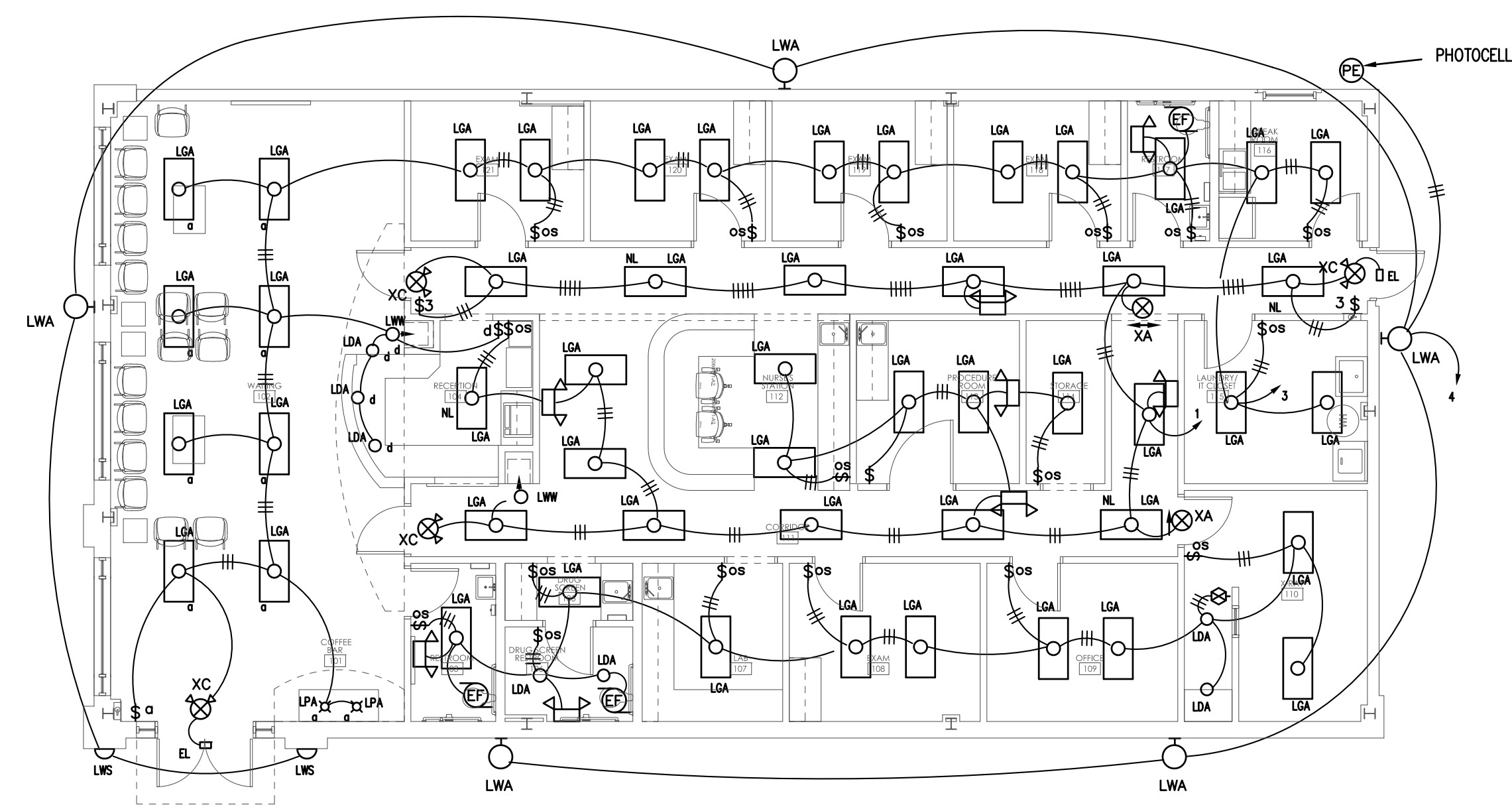
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**FLOOR PLAN** POWER & AUXILIARY

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

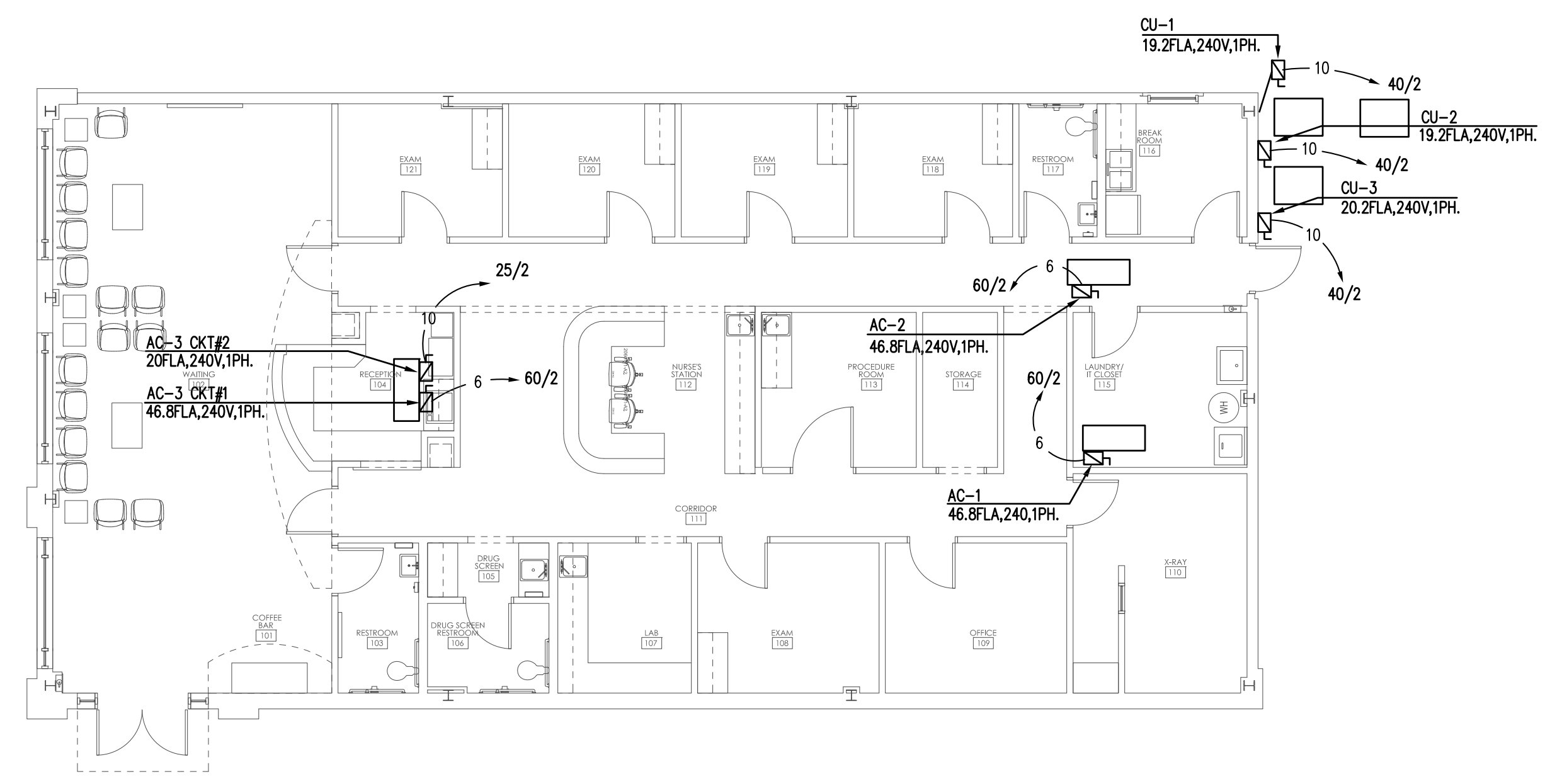
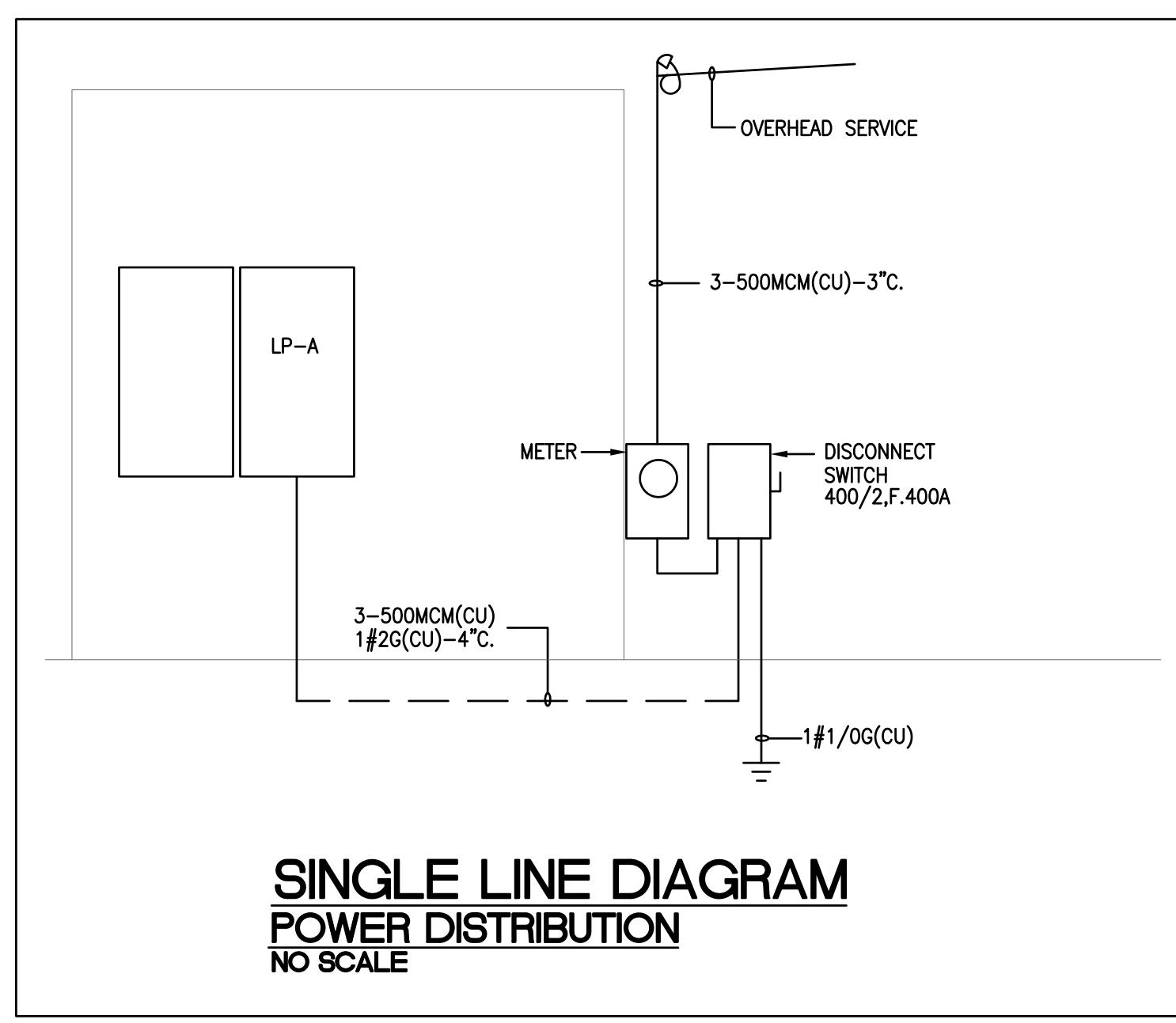
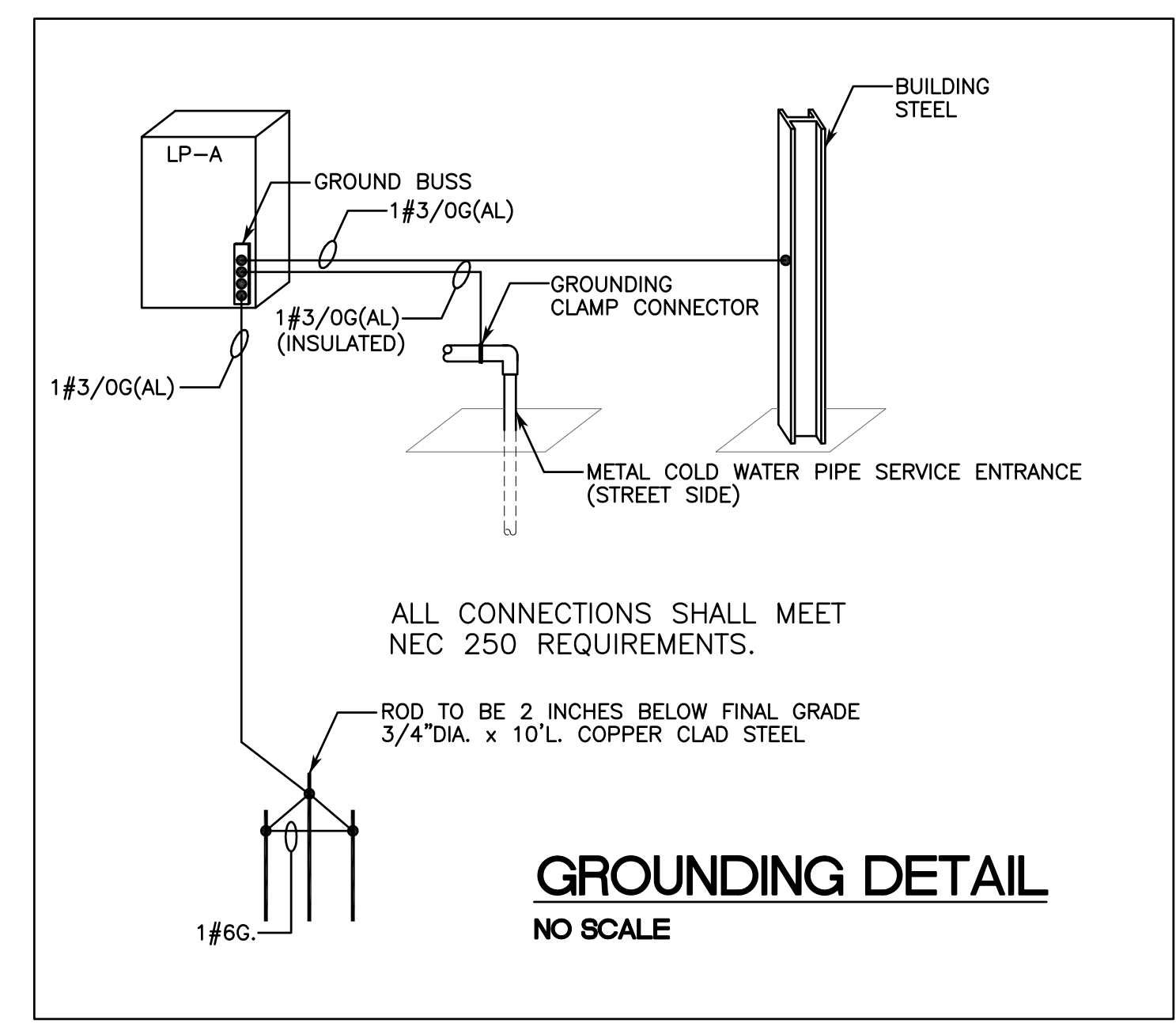
- NOTES:
1. VERIFY HVAC REQUIREMENTS WITH NAMPLATE DATA.
  2. REFER TO X-RAY VENDORS DRAWINGS FOR LEGEND AND ADDITIONAL ELECTRICAL REQUIREMENTS NOT DETAILED HERE.
  3. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF MINI FRIDGE RECEPTACLES WITH MILLWORK DRAWINGS.



**FLOOR PLAN** LIGHTING

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

- NOTES:
1. VERIFY PLACEMENT OF LWA FIXTURES WITH OWNER.



**FLOOR PLAN** HVAC POWER

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

RELEASES / DESCRIPTION / DATES

NOT FOR CONSTRUCTION   
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DATE 06.30.2022  
DRAWN DBM  
CHECKED RTH  
APPROVED H+HA

PROJECT NUMBER 22046.10

SHEET TITLE ELECTRICAL FLOOR PLANS

DRAWING NO. **E2.1**