A New Building For:

ERWIN, NORTH CAROLINA

architecture . planning . interior design

James m. huckestein architect, AIA

James m. huckestein architect, AIA

architecture . planning . interior design

2126 Morris Avenue
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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 / 04 A1.1 02 / 03 — INTERIOR ELEVATION SYMBOL
see floor plans

10 — 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

01 — REVISION TO DRAWING SYMBOL
see sheet revisions

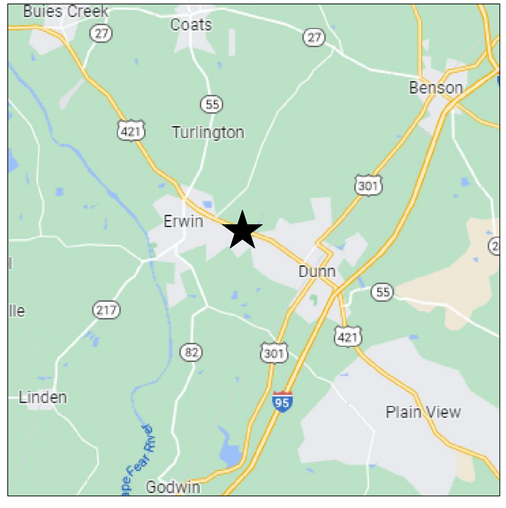
ABBREVIATIONS

AB	Anchor Bolt
AC	Acre
ACC	Access
ACI	American Concrete Institute
ACT	Acoustical Ceiling Tile
ADD	Addendum
AFF	Above Finish Floor
ALT	Alternate
ALUM	Aluminum
APPROX	Approximate
ARCH	Architect (ural)
B&B	Bagged and Burlapped
B/B	Back to Back
BC	Back of Curb
BD	Board
BLDG	Building
BLK	Black
BLKG	Blocking
BM	Beam
B.M.	Benchmark
BOT	Bottom
BRG	Bearing
BRK	Brick
BSMT	Basement
BT	Bent
BUR	Built-Up Roof
BW	Bottom of Wall
CAB	Cabinet
CAL	Caliper
CB	Catch Basin
C/C	Center to Center
CD	Core Deck
CF	Cubic Foot
CHAN	Channel
CI	Cast Iron
CIP	Cast Iron Pipe
C.J	Construction or Control Joint
CL	Center Line
CLG	Ceiling
CLO	Closet
CLR	Clear (ance)
CLS	Closure
CMP	Corrugated Metal Pipe
CMU	Concrete Masonry Unit
CO	Clean Out
COL	Column
CONC	Concrete
CONN	Connection
CONST	Construction
CONT	Continuous or Continue
CONTR	Contract or Contractor
CPT	Carpet (ed)
CRS	Course(s)
CS	Countersink
CT	Ceramic Tile
CTR	Center
CY	Cubic Yard
D	Dryer
DBL	Double
DEM	Demolish or Demolition
DEMO	Demolition
DET	Detail
DH	Double Hung
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DIP	Ductile Iron Pipe
DL	Dead Load
DR	Door
DS	Downspout
DWG	Drawing
DF	Drinking Fountain
EA	Each
EF	Each Face
EIFS	Exterior Insulation & Finish System
EJ	Expansion Joint
ELEV	Elevation / Elevator
ELEC	Electric (all)
EMER	Emergency
ENGR	Engineer
EOP	Edge of Pavement
EOS	Edge of Slab
EPNT	Epoxy Paint
EQ	Equal
EW	Each Way
EWC	Electric Water Cooler
EXH	Exhaust
EXIST	Existing
EXP	Expansion
EXT	Exterior
FBO	Furnished By Others
FD	Floor Drain
FE	Fire Extinguisher
FEC	Fire Extinguisher and Cabinet
FFE	Finished Floor Elevation
FFL	Finished Floor Line
FHC	Fire Hose and Cabinet
F/	Face Of
F/F	Face to Face
FIN	Finish (ed)
FL	Floor
FLG	Flange
FND	Foundation
F.O.	Face Of
FOB	Face of Brick
FOC	Face of Concrete
FOF	Face of Finish
FOM	Face of Masonry
FOS	Face of Stud
FR	Framed (ed)(ing)
FT	Foot/Feet
FTG	Footing
GL	Glaze/Glue
GA	Gauge
GALV	Galvanized
GB	Grab Bar
GI	Galvanized Iron
GWB	Gypsum Wall Board
GYP	Gypsum (Wall / Soffit Board)
HC	Hollow Core / Handicap
HDW	Hardware
HK	Hook
HM	Hollow Metal
HORIZ	Horizontal
HP	High Point / 'H' Pile Beam
HT	Height
HGT	Height
HVAC	Heating, Ventilation & Air Conditioning
ID	Inside Diameter
IE	Invert Elevation
IFS	Inside Face of Stud
IJ	Isolation Joint
IN	Inch / Inches
INSUL	Insulation
JAN	Janitor's Closet
JG	Joist Girder
JST	Joist
JT	Joint
K	Thousand
KIP	1000#
KJ	Key Joint
KSI	1000# Per Square Inch
LAM	Laminate (d)
LF	Linear Foot
L	Length
LAB	Laboratory
LAV	Lavatory
LH	Left Hand
LL	Live Load
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LP	Low Point
LT.GA	Light Gage
LT	Light
MAS	Masonry
MATL	Material
MAX	Maximum
MC	Misc. Channel
MCJ	Masonry Control Joint
MECH	Mechanical
MEZZ	Mezzanine
MANUF	Manufacture (er)
MH	Manhole
MIN	Minimum
MISC	Miscellaneous
MR	Mirror
MO	Masonry Opening
MTL(D)(G)	Mount (ed) (ing)
MTL	Metal
MULL	Mullion
NIC	Not In Contract
NO	Number
NOM	Nominal
NTD	Noted
NTS	Not to Scale
OC	On Center (s)
OD	Outside Diameter
OFCI	Owner Furnished Contractor Installed
OFOI	Owner Furnished Owner Installed
OFS	Outside Face of Stud
OH	Overhead
O.H.	Opposite Hand
OPG	Opening
OPH	Opposite Hand
PAR	Parallel
P.C.	Point of Curvature
PL	Property Line, Plat
PLAM	Plastic Laminate
PLY	Plywood
PM	Premolded
PNL	Panel
PNT	Paint (ed)
PSF	Pounds Per Square Inch
PT	Point / Pressure Treated
PV	Pave (d)(ing)
PVC	Polyvinyl Chloride
PVMT	Pavement
QT	Quarry Tile
R	Riser
RA	Return Air
RAD	Radius
RB	Rubber Base
RCP	Reinforced Concrete Pipe
RD	Roof Drain
REBAR	Reinforcement Bar
REF	Refrigerator / Reference
REINF	Reinforce (d)(ing)
REQD	Required
RET	Retaining
REV	Revision / Revised
RFG	Roofing
RH	Right Hand
RM	Room
R.M.	Reinforced Masonry
RO	Rough Opening
ROW	Right of Way
RTU	Roof Top Unit
RVS	Reversed (side)
SCW	Solid Core Wood
SCH	Schedule
SD	Storm Drain
SECT	Section
SH	Shelf / Shelving
SIM	Similar
SPEC	Specification (s)
SQ	Square
SS	Sanitary Sewer
SST	Stainless Steel
ST	Split Tee
STL	Steel
STD	Standard
STOR	Storage
STRUCT	Structural
SV	Sheet Vinyl
SY	Square Yard
T	Tread
T/	Top Of
TC	Terra Cotta / Top of Curb
TELE	Telephone
T&G	Tongue and Groove
THK	Thick (ness)
TOS	Top of Slab
TS	Tubular Steel
T/FTG	Top of Footing
T/J	Top of Joist
T/S	Top of Steel
TW	Top of Wall
TYP	Typical
TZ	Terazzo
UR	Urinal
UNO	Unless Noted Otherwise
VAR	Varnish
VB	Vinyl Base
VCT	Vinyl Composition Tile
VERT	Vertical
VIN	Vinyl
V.J	V-Joint (ed)
VWC	Vinyl Wall Covering
W	Washer / Width / Wide Flange
WB	Wood Base
WC	Water Closet
WD	Wood
WH	Wall Hung
WIN	Window
W.P.	Work Point
WSCT	Wainscot
WT	Weight
WTW	Wall to Wall
WWF	Welded Wire Fabric
WWM	Welded Wire Mesh
W/	With
W/O	Without

MATERIAL SYMBOLS

- BRICK
- CONCRETE
- PRECAST 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 ELEVATION)
- WOOD: ROUGH, CONTINUOUS
- INSULATION: RIGID
- PLASTIC LAMINATE (LARGE SCALE, IN SECTION)
- WOOD: SHIMS & BLOCKING, INTERMITTENT
- WOOD: PLYWOOD
- CERAMIC TILE (IN SECTION, LARGE SCALE)
- WOOD: FINISH
- WOOD: LAMINATED TIMBER
- ACOUSTICAL TILE (IN SECTION, LARGE SCALE)
- GYPSUM BOARD
- METAL
- ALUMINUM (IN SECTION, LARGE SCALE)

VICINITY MAP



VICINITY MAP

BUILDING CODE SUMMARY

PROJECT NAME: Main Street Family Urgent Care
ADDRESS: 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 ■ IIB ☐ IIIA ☐ IIIB ☐ 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, CALCULATIONS:

FIRE RESISTANCE RATINGS

	REQ'D HOURLY	DETAIL # & SHEET #	% WALL OPENING	DESIGN # FOR ASSEMBLIES
EXTERIOR 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
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
CLG/FLR ASSEMBLY:	EXIST.	N/A		
BEAMS:	NC	N/A		
COLUMNS:	NC	N/A		
CLG/ROOF ASSEMBLY:	EXIST.	N/A		
VERTICAL SHAFTS	NC	N/A		
CHASES - P.E.M.:	NC	N/A		
MIXED OCCUPANCY SEPARATION:	NC	N/A		
TENANT SEPARATION:	NC	N/A		

EXIT REQUIREMENTS:

MAXIMUM DEAD-END CORRIDOR:	20 FEET
MAXIMUM TRAVEL DISTANCE TO EXIT:	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

CONSTRUCTION NOTES

1. DO NOT SCALE DRAWINGS IF DIMENSIONS ARE IN QUESTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
2. 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.
3. THE CONTRACTOR SHALL PROVIDE CHASES FOR MECH., PLUMB., AND ELEC. AS REQ'D. SEE RESPECTIVE DRAWING SECTIONS.
4. 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.
5. PIPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED IN FURRED SPACES WITH THE EXCEPTION OF PIPING IN ROOMS WITH EXPOSED CEILINGS. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO PROVIDE FURRING FOR PIPING INSTALLED IN FINISH AREAS.
6. 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.
7. PROVIDE MTL. OR WOOD STUD FRAMING TO MATCH WALL CONST. AROUND ALL PENETRATIONS THROUGH WALLS. PATCH AND SEAL PENETRATIONS IN FIRE & SMOKE WALLS IN A MANNER WHICH WILL MAINTAIN RATING. FIRE SEAL METHOD USED MUST BE A TESTED UL(UNDERWRITER'S LABORATORIES) PENETRATION ASSEMBLY.
8. THE CONTRACTOR SHALL VERIFY THAT ACCESS PANELS ARE INSTALLED IN WALLS AND NON-ACCESSIBLE TYPE CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL PLUMBING OR ELECTRICAL ITEM MAY BE REQUIRED. ACCESS PANELS SHALL BE OF THE FIRE RATED TYPE EQUAL TO THE RATING OF THE WALL OR CEILING IN WHICH THEY OCCUR.
9. 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.
10. SEAL AROUND ALL EXPOSED ROOF PIPING, ETC. TO COORDINATE WITH EXISTING ROOFING SYSTEM.
11. REFER TO THE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE LOCATIONS OF PIPING, CURBS, VENTS, DUCTS, FANS AND OTHER ITEMS ON THE ROOF SURFACE.
12. 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.
13. THE CONTRACTOR SHALL MAINTAIN SAFE METHODS OF EGRESS AND CIRCULATION DURING CONSTRUCTION.
14. PROVIDE 2'X6' P.T. WOOD BLOCKING IN THE WALLS FOR DOOR BUMPERS, STOPS, SHELVING, WALL MOUNTED HARDWARE / HANDRAILS, CASEWORK, TOILET ACCESSORIES AND OTHER WALL MOUNTED ITEMS INCLUDING SPECIFIED EQUIPMENT NOTED AS N.I.C.
15. 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.
16. 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.
17. THE CONTRACTOR SHALL MAINTAIN THE APPROPRIATE RATINGS WHERE THERE IS RECESSED WALL MOUNTED EQUIPMENT.
18. 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.
19. 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.
20. 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.

JAMES MICHAEL HUCKESTEIN
REGISTERED ARCHITECT
9709
BIRMINGHAM, ALABAMA

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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

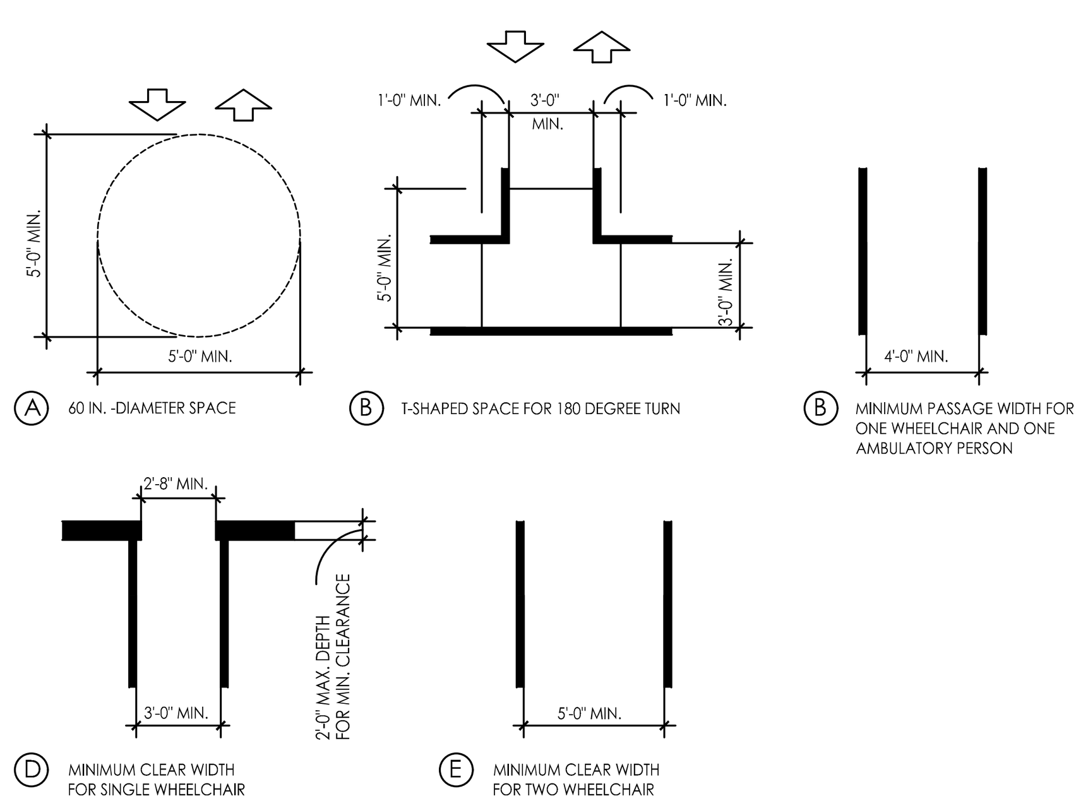
A. THE MINIMUM CLEAR WIDTH FOR SINGLE WHEELCHAIR PASSAGE SHALL BE 32" AT A POINT AND 36" CONTINUOUSLY.

SECTION 4.2.2 - WIDTH FOR WHEELCHAIR PASSING

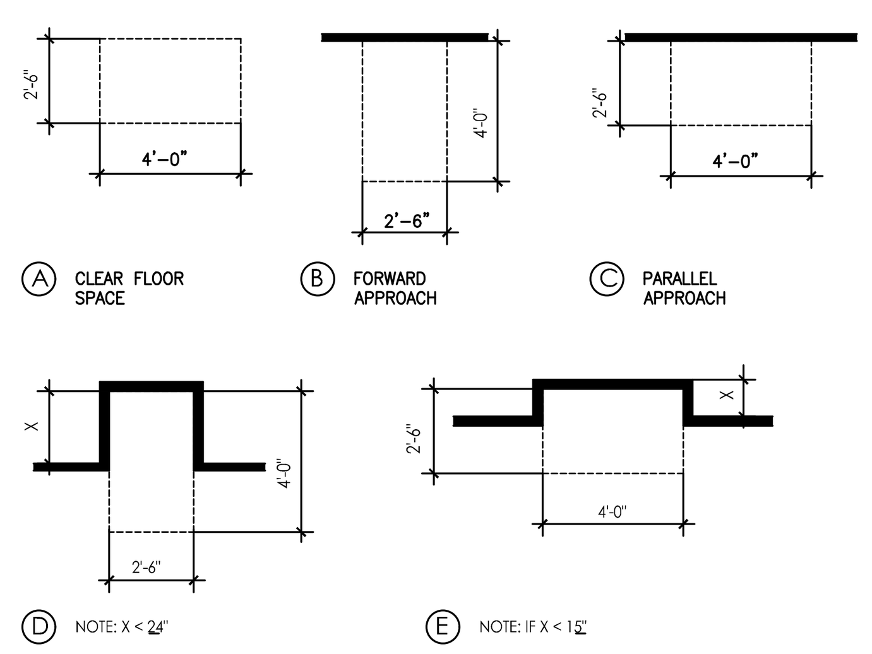
A. THE MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIRS TO PASS IS 60".

SECTION 4.2.4.1 - SIZE AND APPROACH

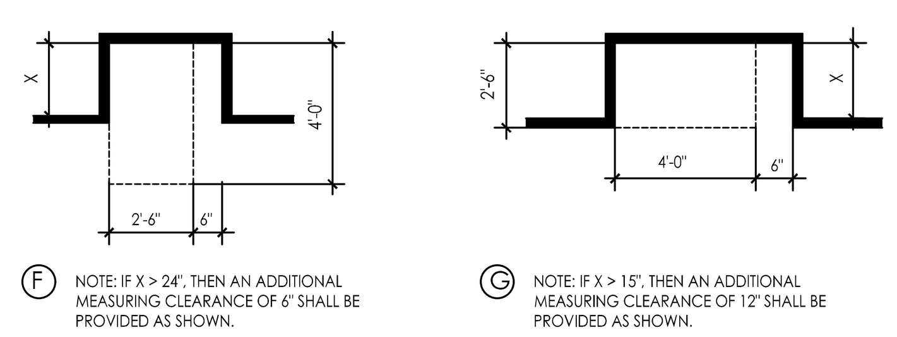
A. MINIMUM CLEAR FLOOR SPACE FOR A WHEELCHAIR AND OCCUPANT SHALL BE 30" WIDE X 48" LONG. CLEAR FLOOR SPACE SHALL BE CENTERED ON THE ELEMENT IT SERVES.



WHEELCHAIR TURNING SPACE



CLEAR FLOOR SPACE IN ACESS



ADDITIONAL MEASURING CLEARANCE FOR ABOVES

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

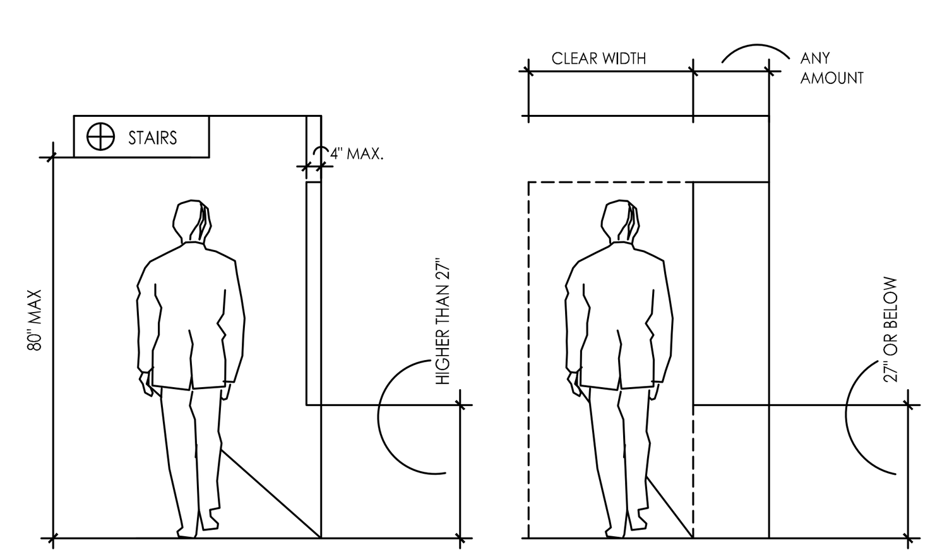
A. RUNNING SLOPE SHALL NOT EXCEEDS 1:20 (IF SLOPE EXCEED 1:20, REFER TO SECTION 4.8)

B. CROSS SLOPE SHALL NOT EXCEED 1:50

4.4 - PROTRUDING OBJECTS (REFER DETAILS 5.2 & 5.3)

SECTION 4.4.1 - GENERAL

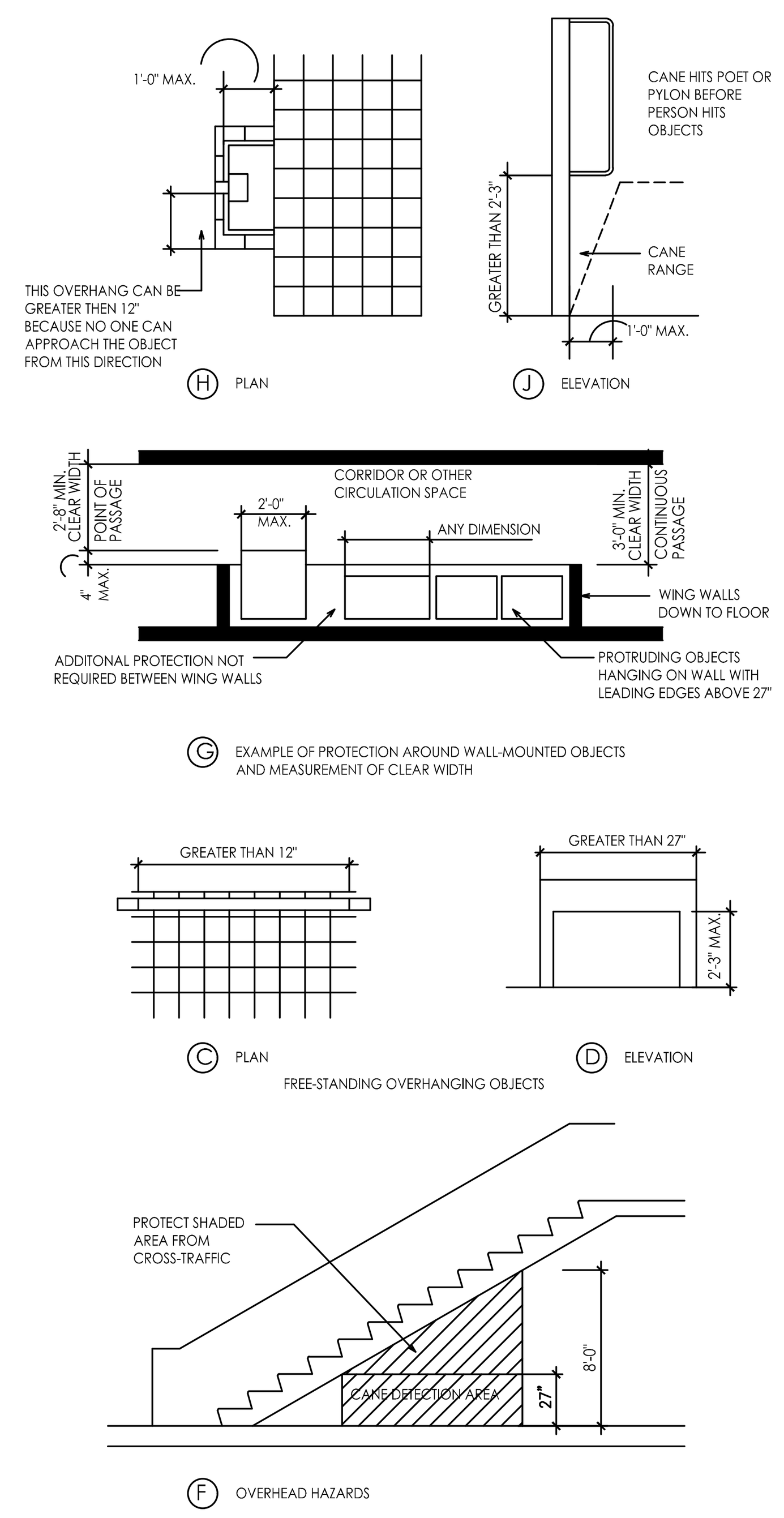
A. OBJECTS PROJECTING FROM WALLS (FOR EXAMPLE, TELEPHONES) WITH THEIR LEADING EDGES BETWEEN 27" - 80" ABOVE THE FINISHED FLOOR SHALL PROTRUDE NO MORE THAN 4" IN TO WALKS, HALLS, CORRIDORS, PASSAGEWAYS, OR AISLES. OBJECTS MOUNTED WITH THEIR LEADING EDGES AT OR BELOW 27" ABOVE THE FINISHED FLOOR MAY PROTRUDE ANY AMOUNT. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS 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.



DETAIL 5.2

DETAIL 5.3

4.4 - PROTRUDING OBJECTS, CONTINUED

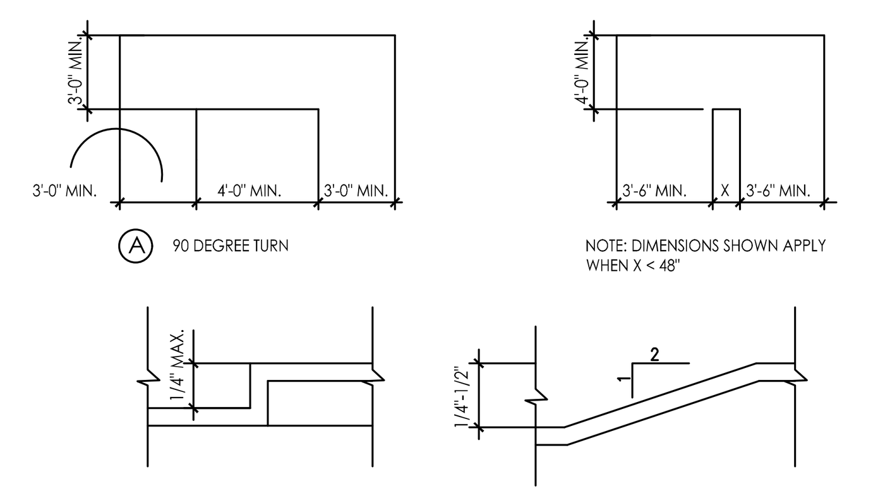


4.5 - GROUND AND FLOOR SURFACES

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

A. CHANGES IN LEVEL UP TO 1/4" MAY BE VERTICAL AND WITHOUT EDGE TREATMENT.

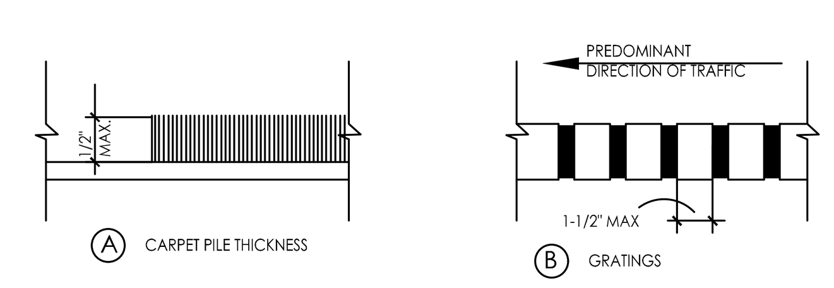
B. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.



DETAIL 5.1

SECTION 4.5.3 - CARPET

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



SECTION 4.5.4 - GRATINGS

A. IF GRATING 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 GRATING HAVE ELONGATED OPENING, THEN THEY SHALL BE PLACE SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

4.6 - PARKING AND PASSENGER LOADING ZONES

SECTION 4.6.3 - PARKING SPACES

A. ACCESSIBLE PARKING SHALL BE AT LEAST 96" WIDE.

B. PARKING ACCESS AISLES SHALL BE 60" WIDE.
VAN ACCESSIBLE ACCESS SHALL BE 96" WIDE.

C. SURFACE SLOPE SHALL NOT EXCEED 1:50 (29 DEGREE) IN ALL DIRECTIONS.

SECTION 4.6.4 - SIGNAGE

A. CHARACTERS AND SYMBOLS ON SUCH SIGNS SHALL BE LOCATED 60" MINIMUM ABOVE THE GROUND.

B. SIGNAGE LOCATED WITHIN AN ACCESSIBLE ROUTE SHALL BE LOCATED 80" MIN. ABOVE THE WORKING SURFACE.

SECTION 4.6.5 - VERTICAL CLEARANCE

A. PROVIDE MINIMUM VERTICAL CLEARANCE OF 114" AT ACCESSIBLE PASSAGER LOADING ZONES AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE FROM SITE ENTRANCES AND EXITS.

SECTION 4.6.6 - PASSENGER LOADING ZONE

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

4.7 - CURB RAMPS

SECTION 4.7.2 - SLOPE (REFERENCE DETAIL 3.1)

A. SLOPE OF CURB RAMPS SHALL COMPLY WITH 4.8.2.

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

4.7 - CURB RAMPS, CONTINUED

SECTION 4.7.3 - WIDTH (REFERENCE DETAIL 3.1)

A. 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)

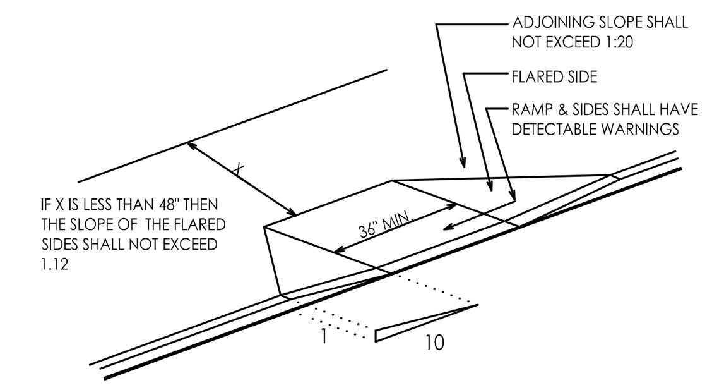
A. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES; THE MAXIMUM SLOPE OF THE FLARE SHALL BE 1:10.

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 MARKINGS. IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE AT LEAST A 24" LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

SECTION 4.7.11 - ISLANDS

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



DETAIL 3.1

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 2 1/2" IN THE SMALLEST DIMENSION.

SECTION 4.10.5 - RAISED AND BRAILLE CHARACTERS ON HOISTWAY ENTRANCES

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

SECTION 4.10.6 - DOOR PROTECTIVE AND REOPENING DEVICE

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

SECTION 4.10.12 - CAR CONTROLS

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

B. EMERGENCY CONTROLS:
   1. SHALL HAVE CENTERLINES 35" MINIMUM ABOVE FLOOR.
   2. SHALL BE GROUPED AT BOTTOM OF PANEL.

4.11 - PLATFORM LIFTS

SECTION 4.11.2, 4.27.3 - OTHER REQUIREMENTS CONTROLS AND OPERATING SYSTEMS

A. HEIGHT PERMITTED:

CONTROLS AND OPERATING MECHANISMS SHALL BE LOCATED FOR EITHER A FORWARD OR SIDE APPROACH FROM ANY DIRECTION OF TRAVEL. THEY SHALL BE LOCATED 28" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR. THEY SHALL BE OPERABLE WITH ONE HAND. THERE SHALL BE AT LEAST ONE HANDRAIL COMPLYING WITH 4.26.
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.

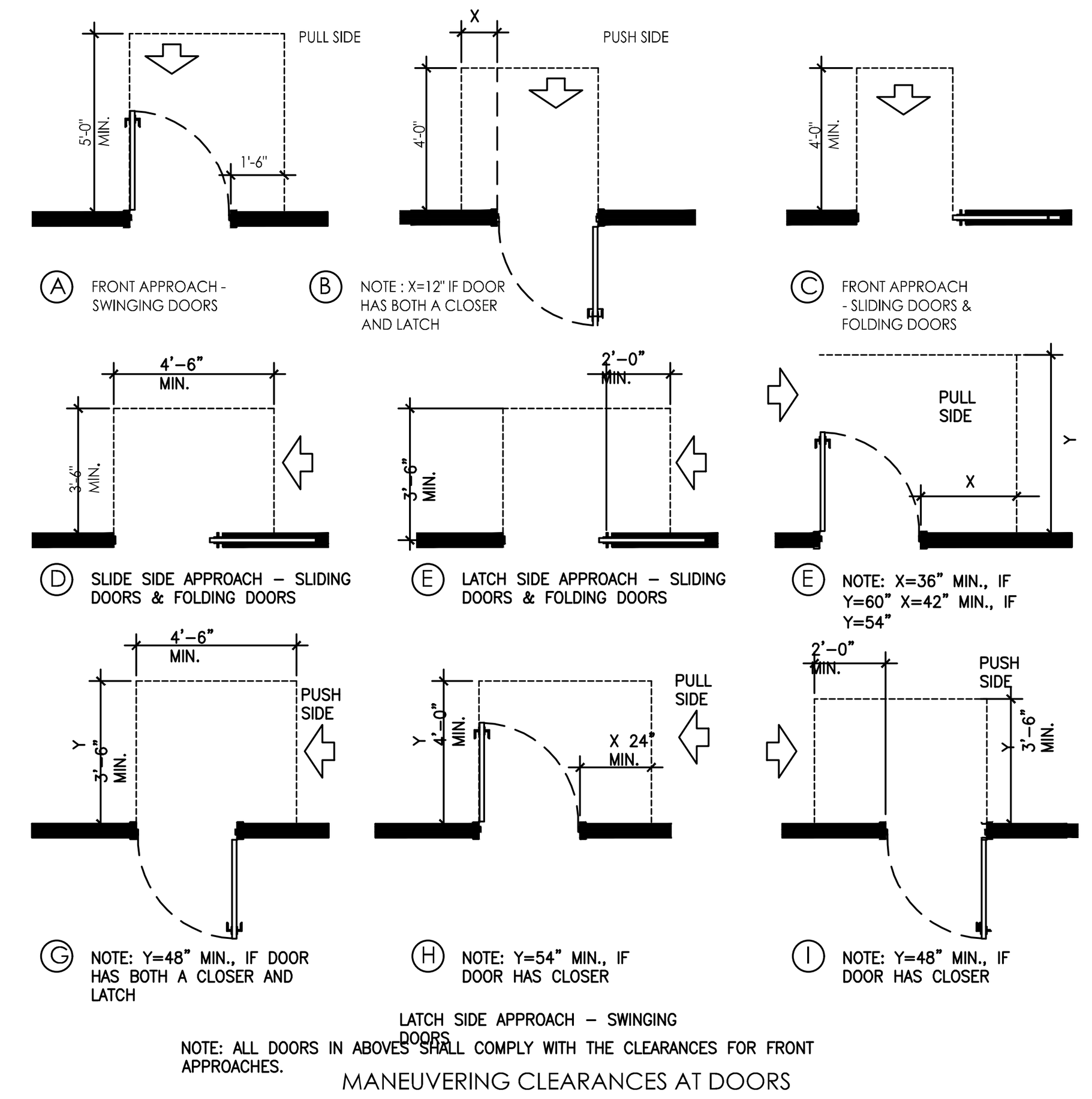
   EXCEPTION: DOORS NOT REQUIRING FULL USER PASSAGE, SUCH AS SHALLOW CLOSETS, SHALL HAVE A CLEAR OPENING OF 20" MINIMUM.

4.13 - DOORS, CONTINUED

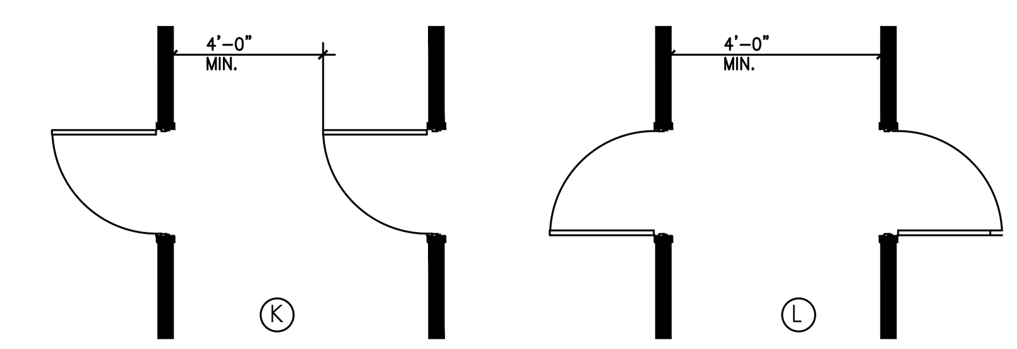
SECTION 4.13.6 - MANEUVERING CLEARANCE AT DOORS

A. PROVIDE LEVEL AND CLEAR MANEUVERING AREA AT DOORS AS FOLLOWS:

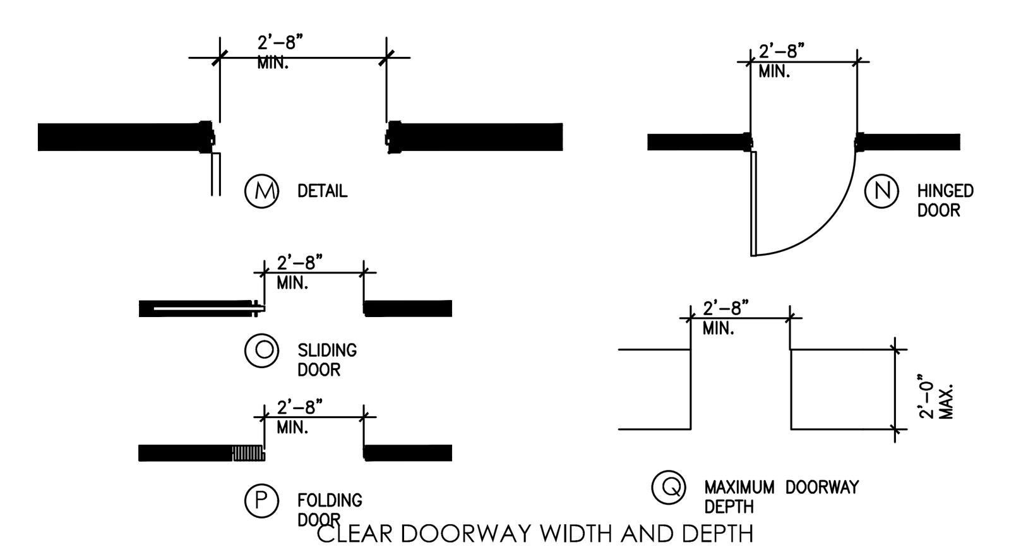
FRONT APPROACH PULL SIDE	- 18" MINIMUM BESIDE STRIKE EDGE.
FRONT APPROACH PUSH SIDE	- 0" BESIDE STRIKE EDGE
	- 12" IF DOOR HAS BOTH A CLOSER AND A LATCH
HINGE SIDE APPROACH PULL SIDE	- 60" MINIMUM WIDTH; 36 MINIMUM BESIDE STRIKE EDGE
HINGE SIDE APPROACH PUSH SIDE	- 42" MINIMUM WIDTH
	- 48" MINIMUM WIDTH IF DOOR HAS BOTH A CLOSER AND LATCH.
LATCH SIDE APPROACH PULL SIDE	- 48" MINIMUM WIDTH AND 24" MINIMUM BESIDE STRIKE EDGE
	- 54" MINIMUM WIDTH IF DOOR HAS CLOSER.
LATCH SIDE APPROACH PUSH SIDE	- 42" MINIMUM WIDTH AND 24" MINIMUM BESIDE STRIKE EDGE
	- 48" MINIMUM WIDTH IF DOOR HAS CLOSER.



MANEUVERING CLEARANCES AT DOORS



TWO HINGED DOORS IN SERIES



CLEAR DOORWAY WIDTH AND DEPTH

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 BEVELED WITH A SLOPE NO GREATER THAN 1:2.

SECTION 4.13.9 - DOOR HARDWARE

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

SECTION 4.13.10 - DOOR CLOSERS

A. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 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.

   THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

4.15 - DRINKING FOUNTAINS

SECTION 4.15.2 - SPOUT HEIGHT (REFERENCE DETAIL 11.1)

A. SPOUT SHALL BE NO HIGHER THAN 36", MEASURED FROM THE FLOOR OR GROUND SURFACE OF THE UNIT.

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

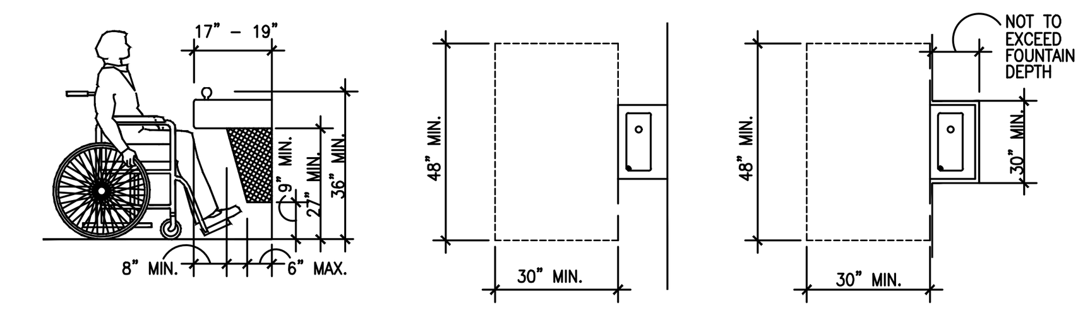
A. UNIT CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE.

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



DETAIL 11.1 DETAIL 11.2 DETAIL 11.3

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.

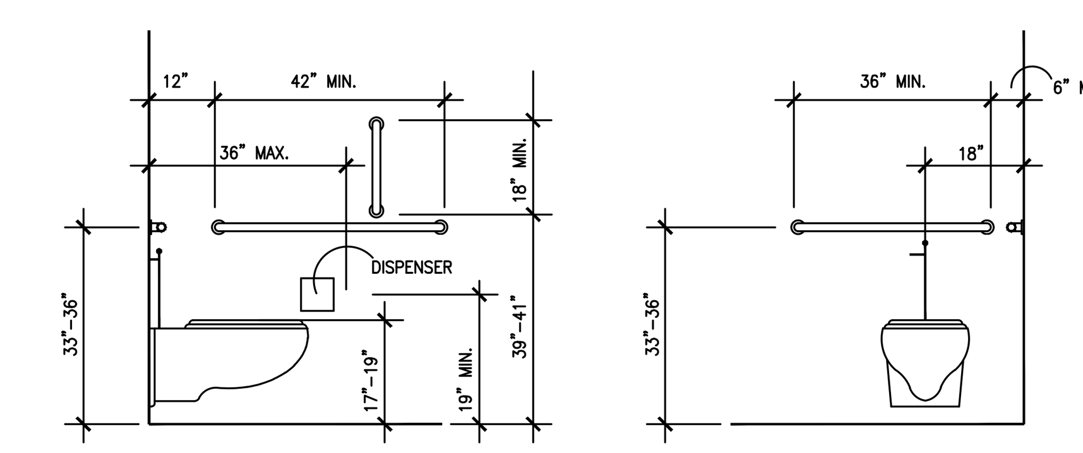
   REFER TO 4.26 GRAB BARS FOR SIZE AND STRUCTURAL ELEMENTS.

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.



DETAIL 12.1.1 DETAIL 12.1.2

4.17 - TOILET STALLS

SECTION 4.22.4 - WHERE APPLICABLE

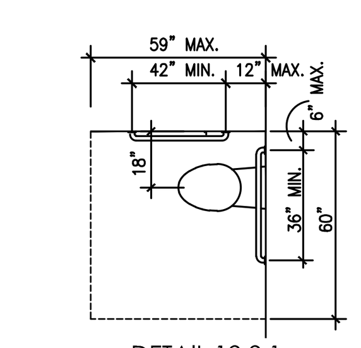
A. IF TOILET STALLS ARE PROVIDE IN A TOILET ROOM OR BATHROOM, THEN AT LEAST ONE SHALL BE A "STANDARD" ACCESSIBLE TOILET STALL (FOR WHEELCHAIR USER) COMPLYING WITH THIS SECTION.

B. IF 6 OR MORE TOILET STALLS ARE PROVIDED IN A TOILET ROOM OR BATHROOM IN ADDITION TO BE "STANDARD" ACCESSIBLE 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" STALL (A OR B) COMPLYING WITH THIS SECTION MAY BE PROVIDED IN LIEU OF THE STANDARD STALL.

SECTION 4.17.3 - SIZE AND ARRANGEMENT (REFERENCE DETAIL)

A. TOILET STALL MAY BE ARRANGED TO PROVIDE EITHER A LEFT OR A RIGHT HANDED APPROACH. ACCESSIBLE TOILET STALLS SHALL HAVE THE FOLLOWING DIMENSIONS:
   1. "STANDARD" ACCESSIBLE STALL
      60" MINIMUM WIDTH.
      59" MINIMUM DEPTH, WITH FLOOR MOUNTED WATER CLOSET.
      56" MINIMUM DEPTH, WITH WALL MOUNTED WATER CLOSET.
      DOOR: OUTWARD SWINGING (IF DOOR SWINGS INTO STALL, DEPTH SHALL BE INCREASED BY 36").
   2. "ALTERNATE A" ACCESSIBLE STALL (REQUIRED WHEN MORE THAN 6 STALLS PROVIDED, PERMITTED IN LIEU OF STANDARD STALL IN CERTAIN ALTERATIONS.)
      36" MINIMUM WIDTH.
      69" 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.



DETAIL 12.2.1

SECTION 4.17.4 - TOE CLEARANCES

A. IN "STANDARD" ACCESSIBLE STALLS, THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF AT LEAST 9" ABOVE THE FLOOR.

B. IF THE DEPTH OF THE STALL IS GREATER THAN 60", THE TOE CLEARANCE IS NOT REQUIRED.

SECTION 4.17.5 - DOORS

A. TOILET STALL DOORS, INCLUDING HARDWARE, SHALL COMPLY WITH ELEMENT 10: DOORS

B. IF TOILET STALL APPROACH IS FROM THE LATCH SIDE OF THE STALL DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE STALL AND ANY OBSTRUCTION SHALL BE 42" MINIMUM. (THIS IS AN EXCEPTION FROM TYPICAL DOOR MANEUVERING CLEARANCES).

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

A. GRAB BARS MOUNTED 33"–36" ABOVE THE FLOOR, SHALL BE PROVIDED AS FOLLOWS:
   1. "STANDARD" ACCESSIBLE STALL: ONE 40" SIDE WALL GRAB BAR (ON NEAR WALL) AND ONE REAR WALL GRAB BAR.
   2. "ALTERNATE A" ACCESSIBLE STALL: 42" SIDE WALL GRAB BAR EACH SIDE.
   3. "ALTERNATE B" ACCESSIBLE STALL: ONE 42" SIDE WALL GRAB BAR (ON NEAR WALL), ONE REAR WALL GRAB BAR.
   4. SIDE WALL GRAB BARS: MINIMUM LENGTH AS INDICATED, MOUNTED 12" MAXIMUM OFF REAR WALL.
   5. REAR WALL GRAB BAR: MINIMUM LENGTH 36", 12" MINIMUM EACH SIDE OF WATER CLOSET CENTERLINE.

   REFER TO 4.26 GRAB BARS FOR SIZE AND STRUCTURAL REQUIREMENTS.

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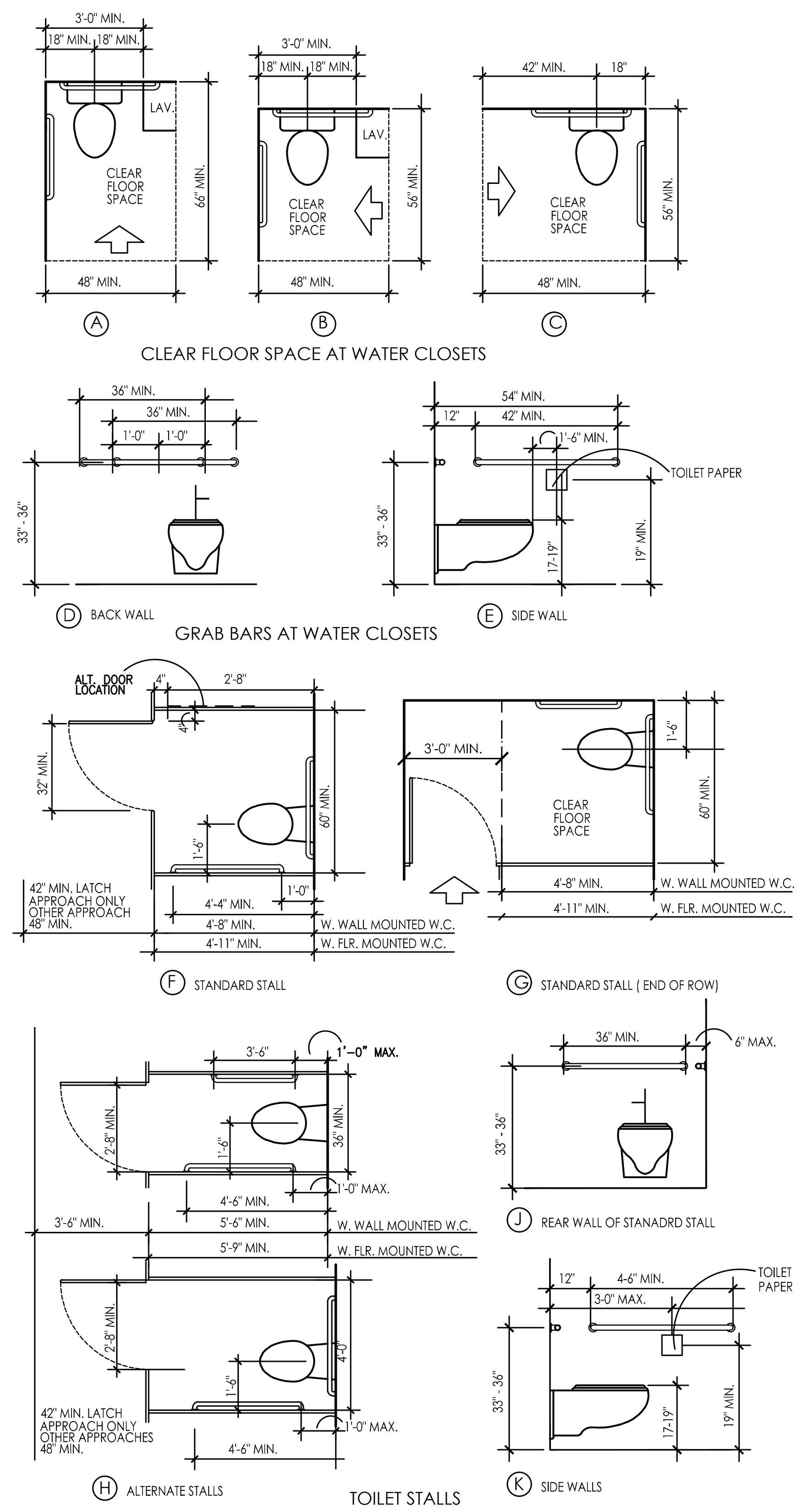
4.17 - TOILET STALLS, CONTINUED



4.18 - URINALS

SECTION 4.18.2 - HEIGHT (REFERENCE DETAIL 12.3.1)

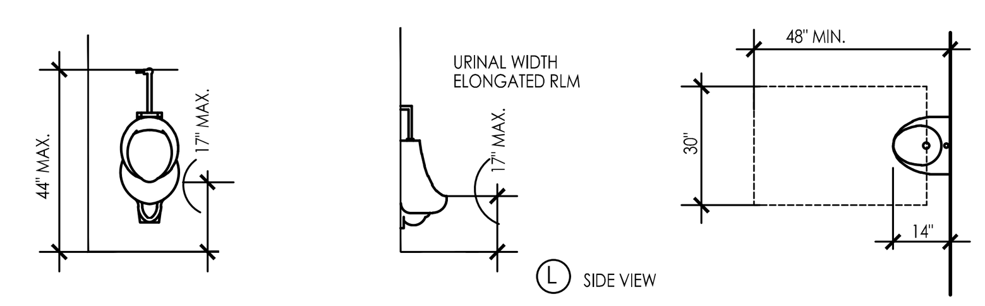
A. URINALS SHALL BE STALL-TYPE OR WALLHUNG WITH TAPERED, ELONGATED RIM AT 17" MAXIMUM ABOVE THE FINISHED FLOOR. THE RIM SHALL EXTEND A MINIMUM OF 14" FROM THE WALL.

SECTION 4.18.3 - CLEAR FLOOR SPACE (REFERENCE DETAIL 12.3.2)

A. A CLEAR FLOOR SPACE 30" WIDE BY 48" DEEP MINIMUM SHALL BE PROVIDED IN FRONT OF URINAL TO ALLOW FRONTAL APPROACH.
1. THIS SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE.
2. URINAL SHIELDS THAT DO NOT EXTEND BEYOND THE FRONT EDGE OF THE URINAL RIM MAY BE PROVIDED WITH 29" CLEARANCE BETWEEN THEM.
3. URINALS INSTALLED IN ALCOVES DEEPER THAN 24" REQUIRE A MANEUVERING AREA OF AT LEAST 36" MINIMUM WIDE.

SECTION 4.18.4 - FLUSH CONTROLS (REFERENCE DETAIL 12.3.1)

A. CONTROLS SHALL BE 44" MAXIMUM ABOVE THE FINISHED FLOOR.
1. CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC.
2. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GLASPING, PINCHING, OR TWISTING OF THE WAIST.
3. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.



4.19 - LAVATORIES & MIRRORS

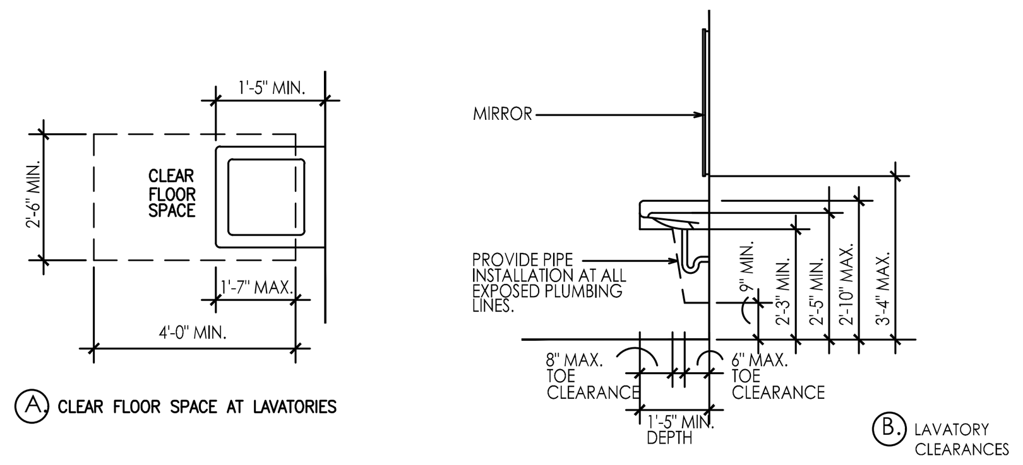
SECTION 4.19.2 - HEIGHT & CLEARANCES (REFERENCE DETAIL 12.5.1 AND 12.5.2)

A. LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR.
1. LAVATORIES SHALL BE EXTEND 17" MINIMUM FROM THE WALL.
2. CLEARANCE OF 29" MINIMUM SHALL BE PROVIDED FROM THE FINISHED FLOOR TO BOTTOM OF APRON.
3. KNEE CLEARANCE OF 27" MINIMUM SHALL BE EXTEND 8" MINIMUM UNDER THE EDGE OF THE LAVATORY.
4. TOE CLEARANCE OF 9" MINIMUM SHALL BE PROVIDED FOR THE FULL DEPTH OF THE LAVATORY.

SECTION 4.19.4 - EXPOSED PIPESS AND SURFACES

A. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.

B. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.



4.19 - LAVATORIES & MIRRORS, CONTINUED

SECTION 4.19.5 , 4.27.4 - FAUCETS

A. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.

B. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.

C. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.

D. IF SELF-CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.

SECTION 4.19.6 - MIRRORS (REFERENCE DETAIL 12.5.1)

A. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE RELECTING SURFACE 40" MAXIMUM ABOVE THE FINISHED FLOOR.

4.20 - BATHTUBS

SECTION 4.20.2 - FLOOR SPACE

A. CLEAR FLOOR SPACE SHALL BE PROVIDED IN FRONT OF BATHTUBS AS FOLLOWS:
30" WIDE X 60" LONG BESIDE THE BATHTUB FOR SIDE APPROACH
48" WIDE X 60" LONG BESIDE THE BATHTUB FOR FRONT APPROACH

WITH SEAT AT HEAD OF TUB - 30" WIDE X 75" LONG BESIDE TUB

SECTION 4.20.3 - SEAT

A. AN IN-TUB SEAT OR A SEAT AT THE HEAD END OF THE TUB SHALL BE PROVIDED. SEATS SHALL BE MOUNTED SECURELY AND SHALL NOT SLIP DURING USE.

SECTION 4.20.4 - GRAB BARS

A. HEIGHTS PERMITTED:
1. WITH IN TUB SEAT:
CONTROL WALL: 24" LONG MINIMUM, FROM OUTSIDE WALL, 33-36" ABOVE FLOOR.
BACK WALL: 2 BARS, 24" LONG MINIMUM, 12" MAXIMUM FROM FOOT END, 24" MAXIMUM FROM HEAD END; ONE 33-36" ABOVE FLOOR, ONE 9" ABOVE THE TUB.
HEAD WALL: 12" MINIMUM, FROM OUTSIDE WALL, 33-36" ABOVE FLOOR.
2. WITH SEAT AT HEAD OF TUB:
CONTROL WALL: 24" LONG MINIMUM, FROM OUTSIDE WALL, 33-36" ABOVE FLOOR.
BACK WALL: 2 BARS, 48" LONG MINIMUM, 12" MAXIMUM FROM FOOT END, 15" MAXIMUM FROM HEAD END; ONE 33-36" ABOVE FLOOR, ONE 9" ABOVE THE TUB.
HEAD WALL: NONE

SECTION 4.20.6 - SHOWER UNIT

A. AN SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG SHALL BE PROVIDED.

4.21 - SHOWER STALLS

SECTION 4.21.2 - SIZE AND CLEARANCES

A. SHOWER STALLS SHALL BE EITHER 36" X 36" CLEAR INSIDE DIMENSION OR 30" MIN. X 60" MIN. CLEAR INSIDE DIMENSION.

SECTION 4.21.3 - SEAT

A. SEAT IS REQUIRED IN 36" X 36" STALLS, AND SHALL HAVE THE FOLLOWING FEATURES:
1. SHALL BE 17"-19" ABOVE BATHROOM FLOOR
2. SHALL EXTEND THE FULL DEPTH OF THE STALL
3. SHALL BE LOCATED ON THE WALL OPPOSITE CONTROL WALL
4. MAXIMUM SPACE BETWEEN WALL AND SEAT EDGE SHALL BE 1-1/2"
5. SHALL PROJECT 16" MAXIMUM INTO STALL WIDTH, EXCEPT AT THE REAR 15" MAXIMUM OF THE STALL, WHERE THE SEAT MAY PROJECT 23"

SECTION 4.21.4 - GRAB BARS

A. GRAB BARS SHALL BE MOUNTED 33"-36" ABOVE FLOOR

SECTION 4.21.5 - CONTROLS

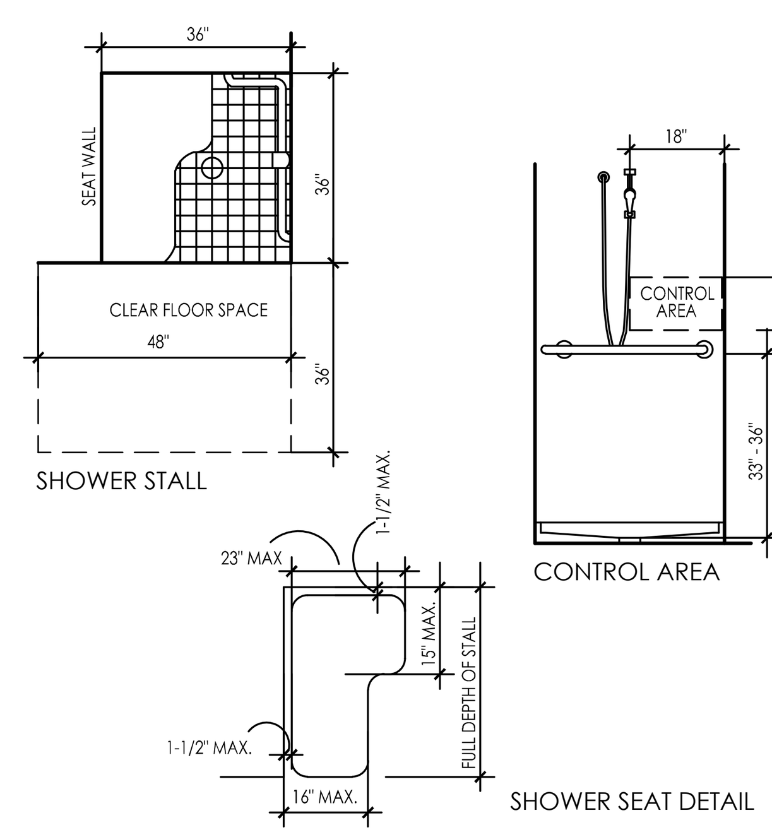
A. ALL SHOWER CONTROLS SHALL BE LOCATED 38" MINIMUM AND 48" MAXIMUM ABOVE THE FLOOR

SECTION 4.21.6 - SHOWER UNIT

A. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND HELD SHOWER SHALL BE PROVIDED. THE MOUNTING DEVICE SHALL COMPLY WITH THE REQUIREMENTS FOR FORWARD REACH.

SECTION 4.21.7 - CURBS

A. IF PROVIDED, CURBS ON TRANSFER SHOWERS SHALL BE NO HIGHER THAN 1/2" ROLL-IN SHOWERS SHALL NOT HAVE CURBS.



4.22 - TOILET ROOMS

SECTION 4.22.2 - DOORS

A. ALL DOORS TO ACCESSIBLE TOILET ROOMS SHALL COMPLY WITH 4.13. DOORS SHALL NOT SWING INTO CLEAR FLOOR SPACE REQUIRED FOR ANY FIXTURE.
CLEAR FLOOR TURNING SPACE MAY OVERLAP DOOR SWINGS.

SECTION 4.22.3 - CLEAR FLOOR SPACE

A. THE ACCESSIBLE FIXTURES AND CONTROLS REQUIRED IN 4.22.4, 4.22.5, 4.22.6, 4.22.7 SHALL BE ON AN ACCESSIBLE ROUTE. AN UNOBRUSTED TURNING SPACE COMPLYING WITH 4.2.3 SHALL BE PROVIDED WITH AN ACCESSIBLE TOILET ROOM. THE CLEAR FLOOR SPACE AT FIXTURES AND CONTROLS, THE ACCESSIBLE ROUTE, AND THE TURNING SPACE MAY OVERLAP, HOWEVER; THE ONLY TURNING SPACE PROVIDED SHALL NOT BE LOCATED WITHIN A STALL.

SECTION 4.22.4 - WATER CLOSETS

A. IF TOILET STALLS ARE PROVIDED, THEN AT LEAST ONE SHALL BE A STANDARD TOILET STALL COMPLYING WITH 4.17; WHERE 6 OR MORE STALLS ARE PROVIDED IN ADDITION TO THE SHALL COMPLYING WITH 4.17.3, AT LEAST ONE STALL 36" WIDE WITH AN OUTWARD SWINGING, SELF-CLOSING DOOR AND PARALLEL GRAB BARS SHALL BE PROVIDED. WATER CLOSETS IN SUCH STALLS SHALL COMPLY WITH 4.16.

SECTION 4.22.5 - URINALS

A. IF URINALS ARE PROVIDED, THEN AT LEAST ONE SHALL COMPLY WITH 4.18.

SECTION 4.22.6 - LAVATORIES AND MIRRORS

A. IF LAVATORIES AND MIRRORS ARE PROVIDED, THEN AT LEAST ONE OF EACH SHALL PROVIDED IN THE TOILET ROOM. AND COMPLY WITH 4.19. ACCESSIBLE LAVATORIES, MIRRORS SHALL NOT BE LOCATED WITHIN TOILET STALLS UNLESS OTHER ACCESSIBLE LAVATORIES AND MIRRORS ARE.

SECTION 4.22.7 - CONTROLS AND DISPENSERS

A. IF CONTROLS, DISPENCERS, RECEPTACLES, OR OTHER EQUIPMENT ARE PROVIDED, THEN AT LEAST ONE OF EACH SHALL BE ON AN ACCESSIBLE ROUTE AND SHALL COMPLY WITH 4.27 - (CONTROLS & OPERATING MECHANISMS).

4.23 - BATHROOMS, BATHING FACILITIES, AND SHOWER ROOMS

SECTION 4.23.8 - BATHING AND SHOWER FACILITIES

A. IF TUBS AND SHOWERS ARE PROVIDED, THEN AT LEAST ONE ACCESSIBLE TUB THAT COMPLIES WITH 4.20 OR AT LEAST ONE ACCESSIBLE SHOWER THAT COMPLIES WITH 4.21 SHALL BE PROVIDED.

4.24 - SINKS

SECTION 4.24.2 - HEIGHT (REFERENCE DETAIL 12.5.1)

A. SINKS SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER THAN 34" ABOVE THE FINISHED FLOOR.

SECTION 4.24.3 - KNEE CLEARANCE (REFERENCE DETAIL 12.5.2)

A. KNEE CLEARANCE OF 27" HIGH MINIMUM, 30" WIDE MINIMUM, AND 19" DEEP MINIMUM SHALL BE PROVIDED UNDERNEATH SINKS.

SECTION 4.24.4 - DEPTH

A. EACH SINK SHALL BE A MAXIMUM OF 6-1/2" DEEP.

SECTION 4.24.6 - EXPOSED PIPES AND SURFACES

A. HOT WATER AND DRAIN PIPES UNDER SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTEXT AGAINST CONTACT.

B. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDES SINKS.

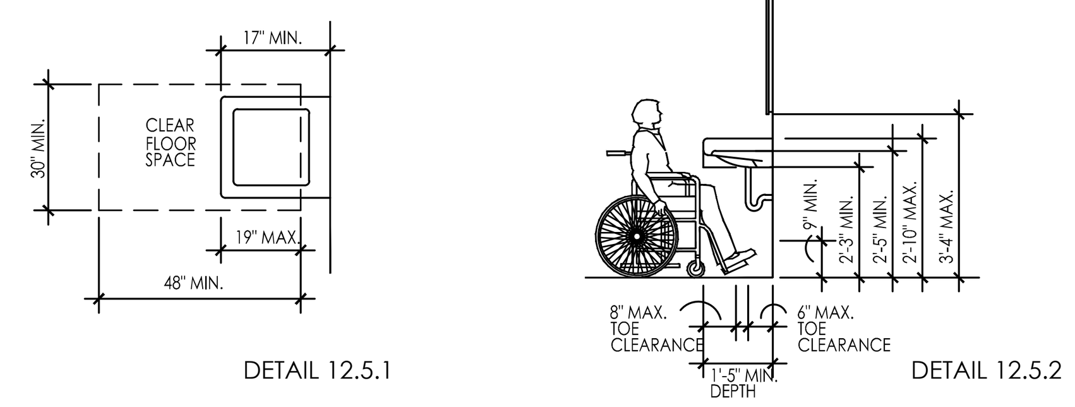
SECTION 4.24.7, 4.27.4 - FAUCETS

A. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.

B. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.

C. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.

D. IF SELF-CLOSING VALVES ARE USED THE FAUCET SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS.



DETAIL 12.5.1

DETAIL 12.5.2

4.25 - STORAGE

SECTION 4.25.1 - DEPTH (REFERENCE DETAIL 14.5 & 14.6)

A. STORAGE AREAS MAY BE 36" IN DEPTH OR LESS. IF MORE THAN 36" IN DEPTH THEN AREA MUST ALLOW 60" DIAMETER OF CLEAR FLOOR SPACE FOR TURNING.

SECTION 4.25.2 - CLEAR FLOOR SPACE

A. A CLEAR FLOOR SPACE AT LEAST 30" BY 48" COMPLYING WITH 4.2.4. THAT ALLOWS EITHER A FORWARD OR PARALLEL APPROACH BY A PERSON USING A WHEELCAHIR SHALL BE PROVIDED AT ACCESSIBLE STORAGE FACILITIES.

SECTION 4.25.3 - HEIGHT (REFERENCE DETAIL 14.3 AND 14.4)

A. WHERE A FORWARD REACH IS REQUIRED, ACCESSIBLE STORAGE SPACES SHALL BE 48" MAXIMUM AND 15" MINIMUM ABOVE THE FLOOR. IF THE FORWARD REACH IS OVER AN OBSTRUCTION (WITH KNEE SPACE EQUAL TO OR GREATER THAN REACH DISTANCE) 20"-25" DEEP, THE MAXIMUM HEIGHT SHALL BE 44"; IF THE OBSTRUCTION IS LESS THAN 20", MAXIMUM HEIGHT SHALL BE 48".

B. WHERE A SIDE REACH IS PROVIDED, ACCESSIBLE STORAGE SPACES SHALL BE 54" MAXIMUM AND 9" MINIMUM ABOVE THE FLOOR. MAXIMUM HEIGHT SHALL BE 46" FOR SIDE REACH OVER AN OBSTRUCTION 34" MAXIMUM HIGH AND 24" MAXIMUM DEEP.

C. CLOTHES RODS OR SHELVES SHALL BE A MAXIMUM 54" ABOVE FLOOR WHERE A SIDE REACH IS REQUIRED.

D. WHERE THE DISTANCE FROM THE WHEELCHAIR TO THE CLOTHES ROD OR SHELF EXCEEDS 10" (AS AT CLOSETS WITH INACCESSIBLE DOORS) THE FOLLOWING CRITERIA SHALL BE MET:
1. SHELVES REACH: 21" MAXIMUM; HEIGHT: 48" MAXIMUM, 9" MINIMUM.
2. CLOTHES RODS: REACH 21" MAXIMUM; HEIGHT: 48" MAXIMUM.

SECTION 4.25.4, 4.27.4 - HARDWARE

A. HARDWARE FOR ACCESSIBLE STORAGE FACILITIES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TISTING OF THE WRIST.

B. THE FORCE REQUIRED TO ACTIVATE THE HARDWARE SHALL BE NO GREATER THAN 5 LBF.

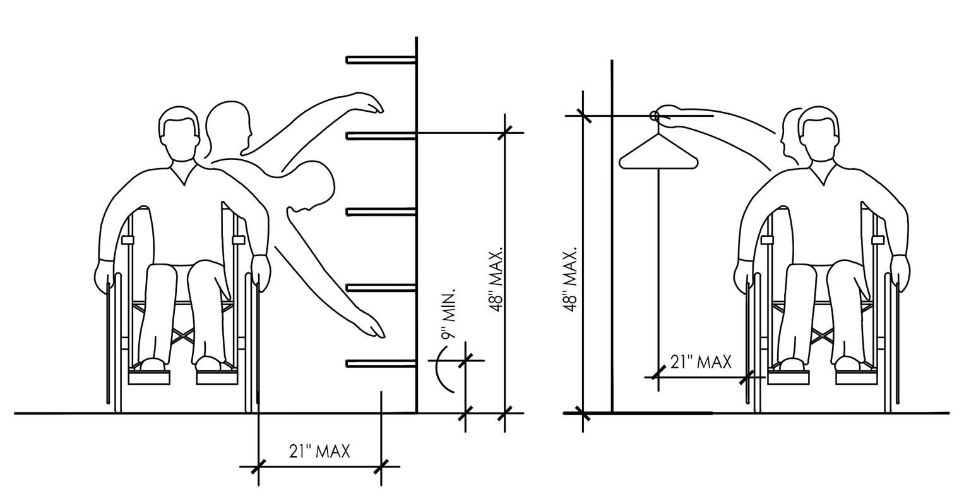
4.26 - GRAB BARS

SECTION 4.26.2 - SIZE AND SPACING

A. DIAMETER OR WIDTH OF GRIPPING SURFACE SHALL BE 1-1/4" TO 1-1/2", OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE.
1. THE SPACE BETWEEN GRAB BARS AND ADJACENT WALLS SHALL BE 1-1/2".

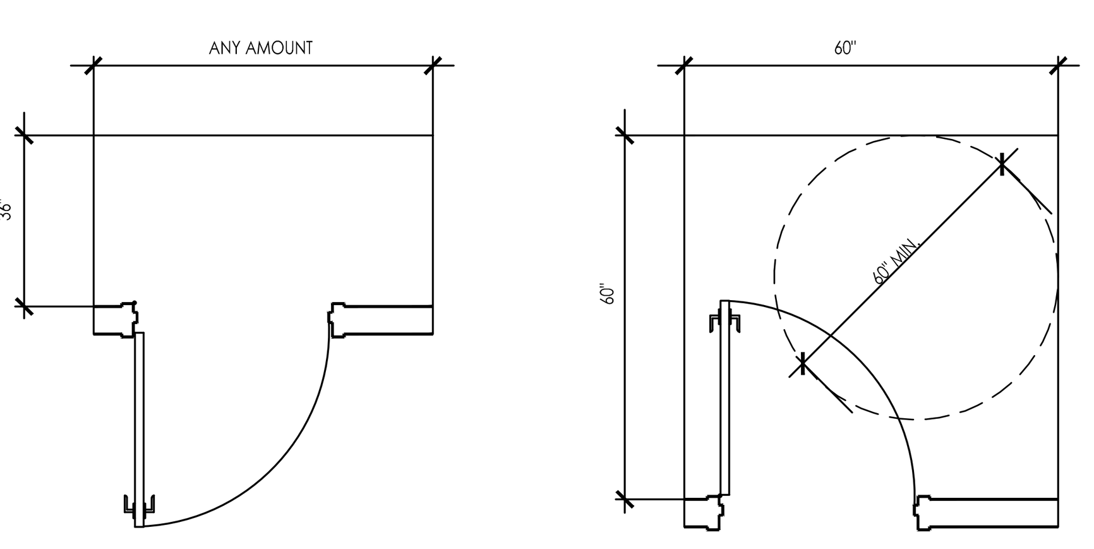
SECTION 4.26.3 - STRUCTURAL STRENGTH

A. GRAB BARS AND MOUNTING DEVICES SHALL MEET THE FOLLOWING REQUIREMENTS:
1. BENDING STRESS INDUCED BY MAXIMUM BENDING MOMENT FROM APPLICATION OF 250 LBF SHALL BE LESS THAN ALLOWABLE STRESS FOR MATERIAL USED.
2. SHEAR STRESS INDUCED BY APPLICATION OF 250 LBF SHALL BE LESS THAN ALLOWABLE SHEAR STRESS FOR MATERIAL USED. IF CONNECTION BETWEEN GRAB BAR AND MOUNTING BRACKET IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOTALED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWANCE SHEAR STRESS.
3. SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM APPLICATION OF 250 LBF SHALL BE LESS THAN ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.
4. TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LBF PLUS THE MAXIMUM MOMENT FROM THE APPLICATION OF 250 LBF SHALL BE LESS THAN THE ALLOWABLE WITHDRAWAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.
5. GRAB BARS SHALL NOT ROTATE WITHIN THIER FITTINGS.



DETAIL 14.3

DETAIL 14.4



DETAIL 14.5

DETAIL 14.6

4.26 - GRAB BARS, CONTINUED

SECTION 4.26.4 - ELIMINATING HAZARDS

A. GRAB BARS AND ADJACENT WALL SURFACES SHALL BE FREE OF SHARP OR ABRASIVE SURFACES.

B. EDGES SHALL HAVE A RADIUS OF 1/8" MINIMUM.

4.27 - CONTROLS AND OPERATING MECHANISMS

SECTION 4.27.2 - CLEAR FLOOR SPACE

A. CLEAR FLOOR SPACE COMPLYING WITH 4.2.4 THAT ALOOWS A FORWARD OR A PARALLEL APPROACH BY A PERSON USING WHEELCHAIR SHALL BE PROVIDED AT CONTROLS, DISPENSERS, RECEPTACLES, AND OTHER OPERABLE EQUIPMENT. CONTROLS AND OPERATING MECHANISMS LOCATED IN ALCOVES DEEPER THAN 24" REQUIRE ADDITIONAL MANEUVERING AREA.

SECTION 4.27.3 - HEIGHT (REFER TO DETAIL 16.3)

A. FRONT APPROACH - 48" MAX. TO 15" MIN.

B. SIDE APPROACH - 54" MAX. TO 19" MIN., EXCEPT PER BELOW.

C. ELECTRICAL & COMMUNICATION SYSTEM RECEPTICALS SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR.

4.28 - ALARMS

SECTION 4.28.1 - GENERAL

A. WHEN REQUIRED, VISUAL ALARMS SHALL BE PROVIDED IN EACH OF THE FOLLOWING AREAS, AS A MINIMUM: RESTROOMS AND ANY OTHER GENERAL USAGE AREAS (E.G., MEETING ROOMS), HALLWAYS, LOBBIES, AND ANY OTHER AREA FOR COMMON USE.

SECTION 4.28.2 - AUDIBLE ALARMS

A. IF PROVIDED, AUDIBLE ALARMS SHALL PRODUCE A SOUND THAT EXCEEDS THE PREVAILING EQUOVALENT SOUND LEVEL IN THE ROOM OR SPACE BY AT LEAST 15 DBA OR EXCEEDS ANY MAXIMUM SOUND LEVEL WITH A DURATION OF 60 SECONDS BY 5 DBA, WHICHEVER IS LOUDER.

B. SOUND LEVELS FOR ALARM SIGNALS SHALL NOT EXCEED 120 DBA.

SECTION 4.28.3 - VISUAL ALARMS

A. VISUAL ALARM SIGNAL APPLICANCES SHALL BE INTEGRATED INTO THE BUILDING OR FACILITY ALARM SYSTEM. IF SINGLE STATION AUDIBLE ALARMS ARE PROVIDED THEN SINGLE STATION VISUAL ALARM SIGNALS SHALL BE PROVIDED.

VISUAL ALARM APPLICANCES SHALL HAVE THE FOLLOWING FEATURES:
1. THE LAMP SHALL BE A XENON STROBE TYPE OR EQUILAVENT.
2. THE COLOR SHALL BE CLEAR OR NOMINAL WHITE (I.E. UNFILTERED OR CLEAR FILTERED WHITE LIGHT).
3. THE MAXIMUM PULSE DURATION SHALL BE TWO-TENTHS OF ONE SECOND WITH A MAXIMUM DUTY CYCLE OF 40%. (THE PULSE DURATION IS DEFINED AS THE TIME INTERVAL BETWEEN INITIAL AND FINAL POINTS OF 10% OF MAX. SIGNAL).
4. THE INTENSITY SHALL BE A MINIMUM OF 75 CANDELA.
5. THE FLASH RATE SHALL BE A MINIMUM OF 1 HZ AND A MAXIMUM OF 3 HZ.
6. THE APPLICANCE SHALL BE PLACED 80" ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6" BELOW THE CEILING, WHICHEVER IS LOWER.
7. THE GENERAL, NO PLACE IN ANY ROOM OR SPACE SHALL BE MORE THAN 50' FROM THE SIGNAL (MEASURED IN A HORIZONTAL PLAN).
8. IN LARGE ROOMS AND SPACES EXCEEDING 110' ACROSS, WIHOUT ABSRUCTIONS 6' ABOVE THE FINISHED FLOOR, SUCH AS AUDITORIUMS, DEVICES MAY BE PLACE AROUND THE PERIMETER, SPACED A MAXIMUM 100' APART, IN LIEU OF SUSPENDING APPLIANCES FROM THE CEILING.
9. NO PLACE IN COMMON CORRIDORS OR HALLWAYS SHALL BE MORE THAN 50' FROM THE SIGNAL.

4.30 - SIGNAGE

SECTION 4.1.2(7), 4.1.3 (16)(a) - WHERE APPLICABLE

A. SIGNS WHICH DESIGNATE PERMAMENT ROOMS AND SPACES SHALL COMPLY WITH THE REQUIREMENTS LISTED BELOW:
1. RAISED AND BRAILLE CHARACTERS, AND PICTOGRAMS.
2. FINISH AND CONTRAST
3. MOUNTING LOCATION AND HEIGHT

SECTION 4.1.2(7), 4.1.3 (16)(b) - WHERE APPLICABLE

A. SIGNS WHICH PROVIDE DIRECTION TO, OR INFORMATION ABOUT, FUNCTIONAL SPACES OF THE BUILDING SHALL COMPLY WITH THE REQUIREMENTS LISTED BELOW:
1. CHARACTER PROPORTION
2. CHARACTER HEIGHT
3. FINISH AND CONTRAST

EXCEPTION: BUILDING DIRECTORIES, MENUS, AND ALL OTHER SIGNS WHICH ARE TEMPORARY ARE NOT REQUIRED TO COMPLY.

SECTION 4.1.2(7) - WHERE APPLICABLE

A. ELEMENT AND SPACES OF ACCESSIBLE FACILITIES WHICH SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY ARE:
1. PARKING SPACES DESIGNATED AS RESERVED FOR PERSONS WITH DISABILITIES.
2. ACCESSIBLE PASSENGER LOADING ZONES.
3. ACCESSIBLE ENTRANCES WHEN NOT ALL ARE ACCESSIBLE (INACCESSIBLE ENTRANCES SHALL HAVE DIRECTIONAL SIGNAGE TO INDICATE ROUTE TO NEAREST ACCESSIBLE ENTRANCE).
4. ACCESSIBLE TOILET AND BATHING FACILITIES WHEN NOT ALL ARE ACCESSIBLE.

SECTION 4.30.2 - CHARACTER PROPORTION (REFERENCE DETAIL 16.2)

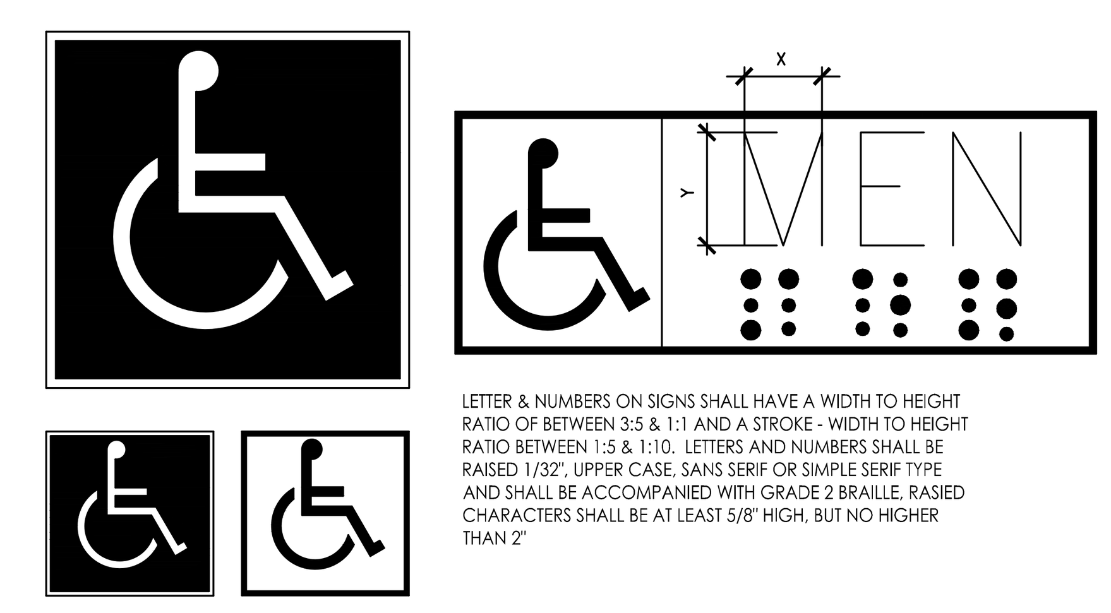
A. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1, AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.

SECTION 4.30.3 - OVERHEAD SIGNS

A. CHARACTERS AND NUMBERS ON OVERHEAD SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ.
1. FOR SIGNS HIGHER THAN 80" ABOVE THE FINISHED FLOOR, CHARACTER SIZE SHALL BE 3" MINIMUM.
2. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE X.
3. LOWER CASE LETTERS ARE PERMITTED.

SECTION 4.30.4 - RAISED AND BRAILLE CHARCTERS AND PICTOGRAMS

A. LETTER AND NUMERALS SHALL BE RAISED 1/32", UPPER CASE, SANS SERIF AND SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE.
1. RAISED CHARACTER HEIGHT: 5/8" MINIMUM, 2" HIGH MAXIMUM.
2. PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM.
3. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6" MINIMUM.



INTERNATIONAL SYMBOL OF ACCESSIBITY

LETTER & NUMBERS ON SIGNS SHALL HAVE A WIDTH TO HEIGHT RATIO OF BETWEEN 3:5 & 1:1 AND A STROKE - WIDTH TO HEIGHT RATIO BETWEEN 1:5 & 1:10. LETTERS AND NUMBERS SHALL BE RAISED 1/32", UPPER CASE, SANS SERIF OR SIMPLE SERIF TYPE AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE, RASIED CHARACTERS SHALL BE AT LEAST 5/8" HIGH, BUT NO HIGHER THAN 2"

DETAIL 16.1

DETAIL 16.2

SECTION 4.30.5 - FINISH AND CONTRAST

A. THE CHARACTER AND BACKGROUND OF THE SIGNS SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACHGROUND (EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND).

4.30 - SIGNAGE, CONTINUED

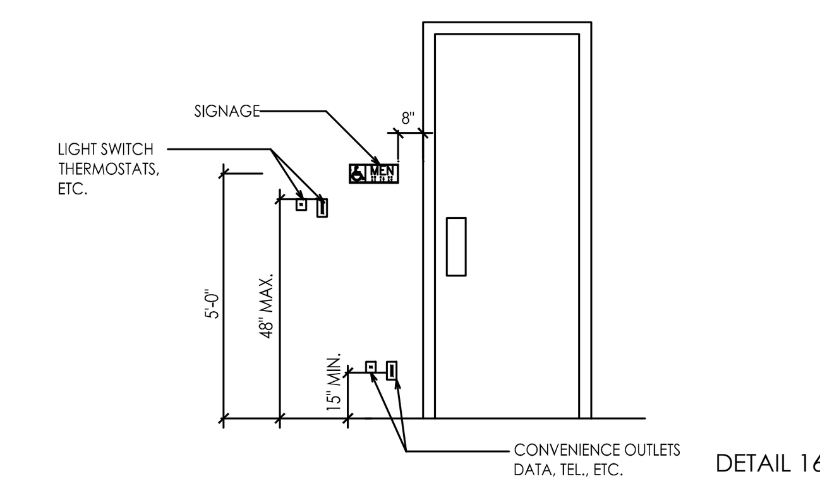
SECTION 4.30.6 - MOUNTING LOCATION AND HEIGHT (REFERENCE DETAIL 16.3)

A. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.

B. WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE-LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL.

C. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISHED FLOOR TO THE CENTERLINE OF THE SIGN.

D. MOUNTING LOCATION FOR SUCH SIGNAGE SHALL BE SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR.



DETAIL 16.3

4.31 - PUBLIC TELEPHONES

SECTION 4.1.3(17)(a) - WHERE APPLICABLE

A. IF PUBLIC PAY TELEPHONES, PUBLIC CLOSED CIRCUIT TELEPHONES, OR OTHER PUBLIC TELEPHONES IF PROVIDED, THEN THEY SHALL COMPLY WITH THIS SECTION IN THE QUANTITIES BELOW:
1. IF ONE OR MORE SINGLE UNIT OF A TYPE OF PUBLIC TELEPHONE IS PROVIDED ON A FLOOR, THEN AT LEAST ONE OF THOSE PHONES SHALL COMPLY WITH THIS SECTION.
2. IF ONE BANK (DEFINED AS TWO OR MORE ADJACENT PUBLIC TELEPHONES, OFTEN INSTALLED AS A UNIT) OF A TYPE OF TELEPHONE IS PROVIDED ON A FLOOR, THEN AT LEAST ONE OF THE TELEPHONES AT THE BANK SHALL COMPLY WITH THIS SECTION.
3. IF TWO OR MORE BANKS OF A TYPE OF PUBLIC TELEPHONE ARE PROVIDED ON A FLOOR, THEN AT LEAST ONE TELEPHONE PER BANK SHALL COMPLY WITH THIS SECTION. THE ACCESSIBLE UNIT MAY BE INSTALLED AS A SINGLE UNIT IN PROXIMITY (EITHER VISIBLE OR WITH SIGNAGE) TO THE BANK. AT LEAST ONE PUBLIC TELEPHONE PER FLOOR SHALL MEET THE REQUIREMENTS FOR A FORWARD REACH TELEPHONE.
4. ADDITIONAL PUBLIC TELEPHONES MAY BE INSTALLED AT ANY HEIGHT.

B. UNLESS OTHERWISE SPECIFIED, ACCESSIBLE TELEPHONES MAY BE EITHER FORWARD OR SIDE REACH TELEPHONES.

SECTION 4.1.3(17)(b) - WHERE APPLICABLE

A. ALL TELEPHONES REQUIRED TO BE ACCESSIBLE SHALL BE EQUIPPED WITH A VOLUME CONTROL.

B. IN ADDITION, 25% BUT NEVER LESS THAN ONE, OF ALL OTHER PUBLIC TELEPHONES PROVIDED SHALL BE EQUIPPED WITH A VOLUME CONTROL AND SHALL BE DISPERSED AMONG ALL TYPES OF TELEPHONES, INCLUDING CLOSED CIRUIT TELEPHONES, THROUGHOUT THE BUILDING OR FACILITY.

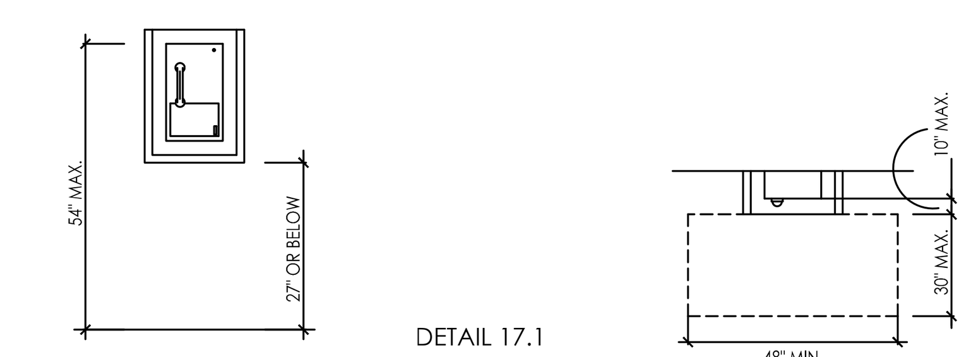
C. SIGNAGE DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESS FOR HEADING LESS SHALL BE PROVIDED AT EACH TELEPHONE EQUIPPED WITH A VOLUME CONTROL.

SECTION 4.31.3 - MOUNTING HEIGHT (REFERENCE DETAIL 17.1)

A. THE HIGHEST OPERABLE PART OF THE TELEPHONE SHALL BE 48" MAXIMUM ABOVE THE FLOOR WHERE A FORWARD REACH IS REQUIRED, AND 54" MAXIMUM WHERE A SIDE REACH IS REQUIRED.

B. IF THE FORWARD REACH IS OVER AN OBSTRUCTION (WITH KNEE SPACE EQUAL TO OR GREATER THAN REACH DISTANCE) 20"-25" DEEP THE MAXIMUM HEIGHT SHALL BE 44"; IF THE OBSTRUCTION IS LESS THAN 20", MAXIMUM HEIGHT SHALL BE 48".

C. MAXIMUM HEIGHT SHALL BE 46" FOR SIDE REACH OVER AN OBSTRUCTION 34" MAXIMUM HIGH AND 24" MAXIMUM DEEP.



DETAIL 17.1

4.32 - SEATING AND TABLES

SECTION 4.32.2 - SEATING

A. IF SEATING SPACES FOR PEOPLE IN WHEELCHAIRS ARE PROVIDED AT FIXED TABLES OR COUNTERS, CLEAR FLOOR SPACE OF 30" X 48" SHALL BE PROVIDED. FLOOR SPACE SHALL NOT OVERLAP REQUIRED KNEE SPACE BY MORE THAN 19"

SECTION 4.32.3 - KNEE SPACE

B. IF SEATING SPACES FOR PEOPLE IN WHEELCHAIRS ARE PROVIDED AT FIXED TABLES OR COUNTERS, KNEE SPACE AT LEAST 27" HIGH, 30" WIDE AND 19" DEEP SHALL BE PROVIDED.

SECTION 4.32.4 - HEIGHT OF TABLES OR COUNTER

B. THE TOPS OF ACCESSIBLE TABLES AND COUNTERS SHALL BE 28" MINIMUM, AND 34" MAXIMUM, ABOVE THE FINISHED FLOOR.

4.33 - AUTOMATIC TELLER MACHINES

SECTION 4.34.2 - CLEAR FLOOR SPACE

A. FLOOR SPACE SHALL COMPLY WITH 4.2.4 TO ALLOW A FORWARD, PARALLEL APPROACH OR BOTH.

SECTION 4.34.3 - REACH RANGES

A. FORWARD APPROACH ONLY: CONTROLS WITHIN FORWARD APPROACH SPECIFIED IN 4.2.5.

B. PARALLEL APPROACH: CONTROLS WITHIN UNOBSTRUCTION REACH RANGE FROM CLEAR FLOOR SPACE AT PROTUSION OF TELLER MACHINE SURROUND PER TABLE AS FOLLOWS:

REACH DEPTH IN INCHES	MAX. HEIGHT IN INCHES	REACH DEPTH IN INCHES	MAX. HEIGHT IN INCHES	REACH DEPTH IN INCHES	MAX. HEIGHT IN INCHES
10 OR LESS	54	15	51	20	48 -1/2
11	53 -1/2	16	50 -1/2	21	47 -1/2
12	53	17	50	22	47
13	52 -1/2	18	49 -1/2	23	46 -1/2
14	51 -1/2	19	49	24	46

NOTE: DOES NOT APPLY TO DRIVE-UP MACHINES

4.35 - DRESSING AND FITTING ROOMS

SECTION 4.35.4 - BENCH

A. EVERY ACCESSIBLE DRESSING ROM SHALL HAVE A 24" X 48" BENCH FIXED TO THE WALL ALONG THE LARGER DIMENSION. THE BENCH SHALL BE MOUNTED 17" TO 19" ABOVE THE FINISH FLOOR.

SECTION 4.35.5 - MIRROR

A. A FULL-LENGTH MIRROR, MEASURING AT LEAST 18" WIDE BY 54" HIGH, SHALL BE MOUNTED IN A POSITION AFFORDING A VIEW TO A PERSON ON THE BENCH AS WELL AS TO A PERSON IN A STANDING POSITION.

JAMES MICHAEL HUCKESTEIN REGISTERED ARCHITECT 9709 NORTH CAROLINA BIRMINGHAM, AL

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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	ADA GUIDELINES
DRAWING NO.	T1.4

LIFE SAFETY GENERAL NOTES:

BUILDING DATA:

OCCUPANCY:	■ BUSINESS (GROUP B)	
MIXED OCCUPANCY?:	YES/NO - SEPARATION	NO HR.
CONSTRUCTION TYPE:	■ 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

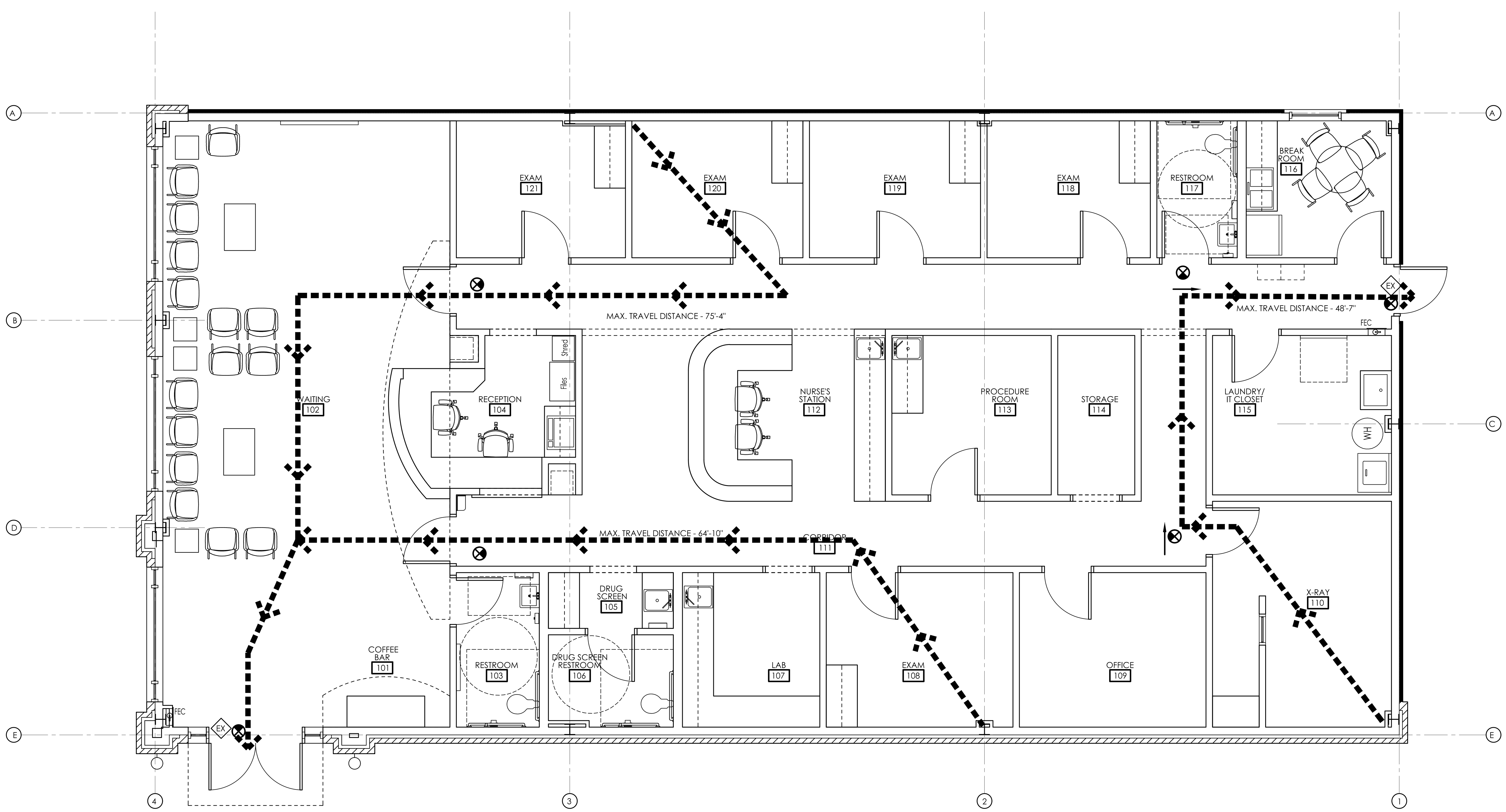
OCCUPANT LOAD (50%)	33 OCCUPANTS 50 % MALE = 17 50 % FEMALE = 17
WATERCLOSETS **REQUIRED** (MEN)	(1 PER 25) 17/25 = 1 WATERCLOSETS
WATERCLOSETS **SUPPLIED** (MEN)	**2** WATERCLOSETS *
URINALS **SUPPLIED** (MEN)	**0** URINALS *
LAVATORIES **REQUIRED** (MEN)	(1 PER 40) 17/40=1 LAVATORIES
LAVATORIES **PROVIDED** (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
- EX — ACCESSIBLE EXITS
- FEC — FIRE EXTINGUISHER CABINET
- EXIT SIGNAGE



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

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LIFE SAFETY PLAN

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LS1.1

PARTITION LEGEND:

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

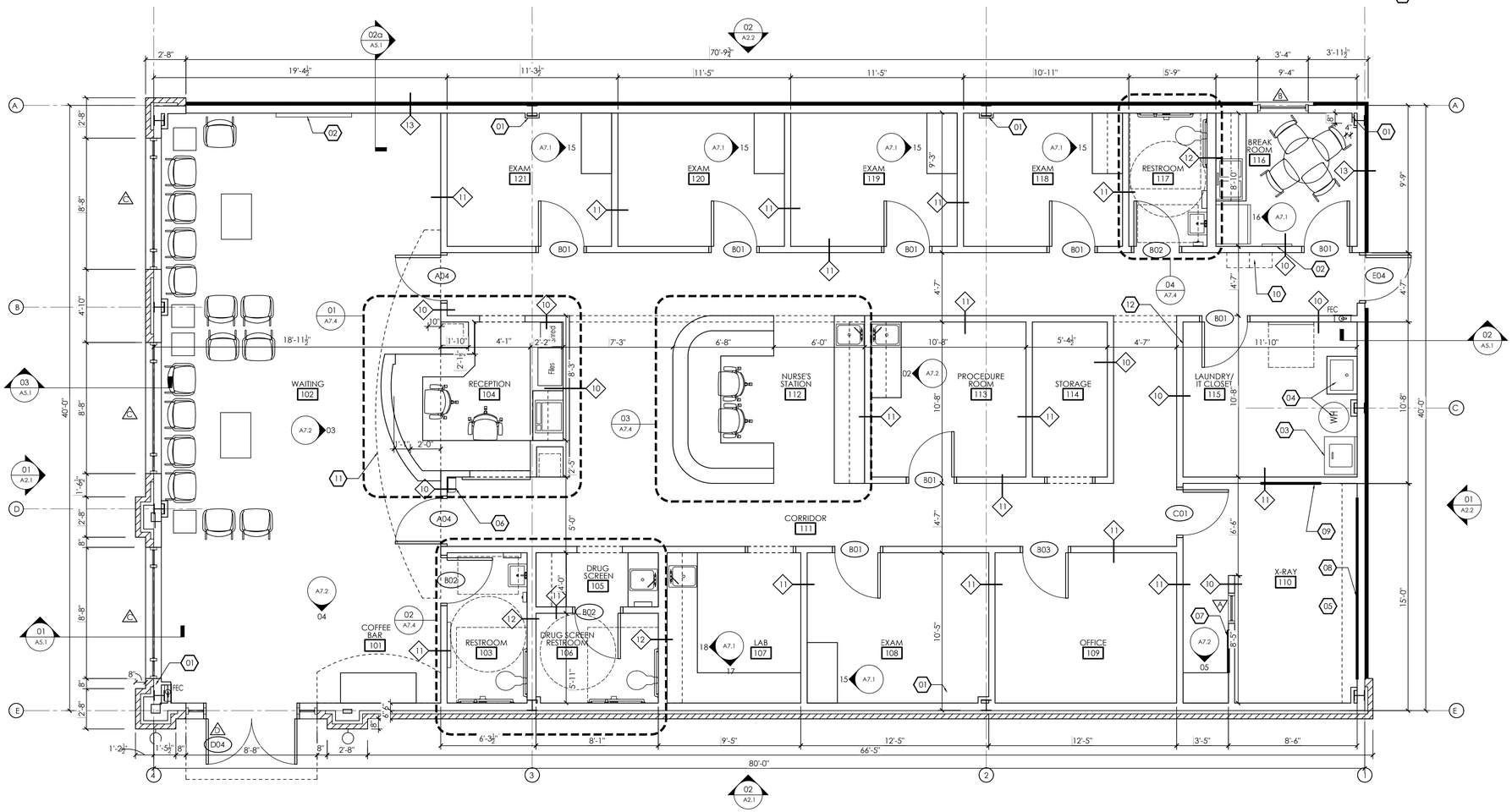
SYM.	CONSTRUCTION	RTG.	DESCRIPTION
10	4-7/8"	N/A	5/8" GYP. BD. SCREWED TO BOTH SIDES OF 3-5/8" METAL STUDS @ 24" O.C.
11	4-7/8"	N/A	5/8" GYP. BD. SCREWED TO BOTH SIDES OF 3-5/8" METAL STUDS @ 24" O.C. W/ FULL THICKNESS SOUND ATTENUATION INSULATION
12	1-1/4"	N/A	5/8" GYP. BD. SCREWED TO BOTH SIDES OF 6" METAL STUDS @ 24" O.C.
13	PEMB Purlins 2-1/4"	N/A	5/8" GYP. BD. SCREWED TO 1-5/8" METAL STUD FURRING @ 24" O.C.

CONSTRUCTION GENERAL NOTES:

1. BUILDING TO BE TYPE IIB UNPROTECTED, UNSPRINKLERED CONSTRUCTION; GROUP B - BUSINESS OCCUPANCY.
2. REFER TO SHEET A7.4 FOR ENLARGED RESTROOM PLANS, AS APPLICABLE.
3. DIMENSIONS SHOWN ARE TO FACE OF STUD OR MASONRY VENEER UNLESS OTHERWISE NOTED.
4. REFER TO PLANS, DETAILS AND SECTIONS FOR FURTHER CLARIFICATION OF INTERIOR FINISHES.
5. REFER TO REFLECTED CEILING PLANS (RCP) FOR SPECIFIC CEILING TYPE(S) & HEIGHT.
6. 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:

01 FACE OF STUD TO BE FLUSH WITH METAL COLUMN. WRAP WITH GYPSUM BOARD.
02 WALL MOUNTED T.V. GC TO PROVIDE WALL MOUNT, BLOCKING, AND POWER. OWNER TO PROVIDE T.V.
03 GC TO INSTALL OWNER-PROVIDED STACKABLE WASHER AND DRYER. PROVIDE WATER LINE AND VENT TO EXTERIOR.
04 GC TO PROVIDE WATER HEATER SHELF MOUNTED OVER JANITOR SINK - VERIFY MOUNTING HEIGHT. PROVIDE 4'X8' FRP PANEL @ JANITOR SINK.
05 GC TO VERIFY ALL X-RAY REQUIREMENTS WITH BLUE RIDGE X-RAY COMPANY.
06 GC TO PROVIDE POWER AND LAMINATE SHELF FOR IPAD DOCKING STATION - RE: 20/A7.3
07 PROVIDE BLOCKING PER X-RAY VENDOR REQUIREMENTS.
08 PROVIDE BLOCKING & 2'x12" SOFFIT FRAMING PER X-RAY VENDOR REQUIREMENTS.
09 PROVIDE BLOCKING PER X-RAY VENDOR REQUIREMENTS.
10 LOCKERS PROVIDED BY OWNER - CONTRACTOR TO ANCHOR TO WALL3.
11 LOCATION OF BACKLIT SIGNAGE. COOR'D CONSTRUCTION AND ANY ELEC. REQUIREMENTS WITH SIGN VENDOR.
12 PROVIDE 4'X8' FIRE-RATED PLYWOOD (PAINTED) FOR TBB.



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

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CONSTRUCTION FLOOR PLAN

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INTERIOR FINISHES LEGEND

CEILING		
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG 2'X2' "FINE FISSURED" #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"; EGGSHELL FINISH
P-2	ACCENT PAINT	BENJAMIN MOORE: 797 "ATHENS BLUE"; EGGSHELL FINISH
P-3	ACCENT PAINT	SHERWIN WILLIAMS; SW6422 "SHAGREEN"; EGGSHELL FINISH
P-4	ACCENT PAINT	BENJAMIN MOORE; HC-173 "EDGECOMB GRAY"; EGGSHELL FINISH
P-5	TRIM PAINT	BENJAMIN MOORE; HC-173 "EDGECOMB 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

1. ALL FINISHES SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' INSTRUCTIONS.
2. ALL TRANSITION STRIPS SHALL HAVE AN A.D.A. PROFILE AND SHALL BE SUBMITTED TO H+HA FOR APPROVAL
3. SUB- CONTRACTOR MUST SUBMIT PAINT SAMPLES TO ENH FOR APPROVAL.
4. FIELD COORDINATE WITH H+HA TO OBTAIN APPROVAL FOR ALL CARPET, TILE, AND VCT FLOORING PATTERNS PRIOR TO INSTALLATION.
5. VINYL TRANSITION STRIPS SHALL BE USED AS NEEDED. VINYL TRANSITION STRIP IS TO MATCH RUBBER BASE.
6. SCHLUTER TRANSITIONS REQ'D. IN ALL AREAS WHERE CARPET MEETS TILE.
7. ALL WALLS TO RECEIVE ONE(1) COAT PRIMER AND TWO(2) COATS EGGSHELL 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.
8. 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.
9. ALL WALLS TO BE FINISHED TO LEVEL 4 FINISH.
10. GC TO PROVIDE SEAMING DIAGRAMS TO H+HA FOR APPROVAL AT ALL LOCATIONS THAT ARE TO RECEIVE WALLCOVERING OR PLASTIC LAMINATE FINISH.
11. PROVIDE 3MM EDGE BANDING FOR ALL COUNTERTOPS.

FINISH SCHEDULE

RM NO	ROOM NAME	FLOOR FINISH	WALL FINISH	BASE	CEILING MATL	COUNTER	CABINET	NOTES
FIRST FLOOR								
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:

1. FLOOR TILES (CARPET AND VCT)ARE TO BE INSTALLED AS INDICATED ON PLAN WITH FULL TILES WHEREVER POSSIBLE. SEE FINISH SCHEDULE FOR SPECIFICATIONS.
2. SEE FINISH SCHEDULE ON SHEET A1.2, FOR SPECS OF ALL FINISHES.
3. TILE TRANSITIONS BETWEEN ROOMS TO BE CENTERED UNDER CLOSED DOOR.
4. COORD. MILLWORK AND PLUMBING FIXTURE W/ FLOORING SCOPE AS REQ'D
5. PROVIDE ALL FLOORING LAYOUTS FOR H+HA'S REVIEW AND APPROVAL PRIOR TO INSTALLATION.
6. 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 CONTACTOR PROVIDED "POEM" LETTERING/SIGNAGE.

03 CONTRACTOR PROVIDED "FAMILY, LOVE CARING RESPECT" LETTERING/SIGNAGE.

04 CONTRACTOR PROVIDED "THANK YOU" LETTERING/SIGNAGE.

FINISH LEGEND:

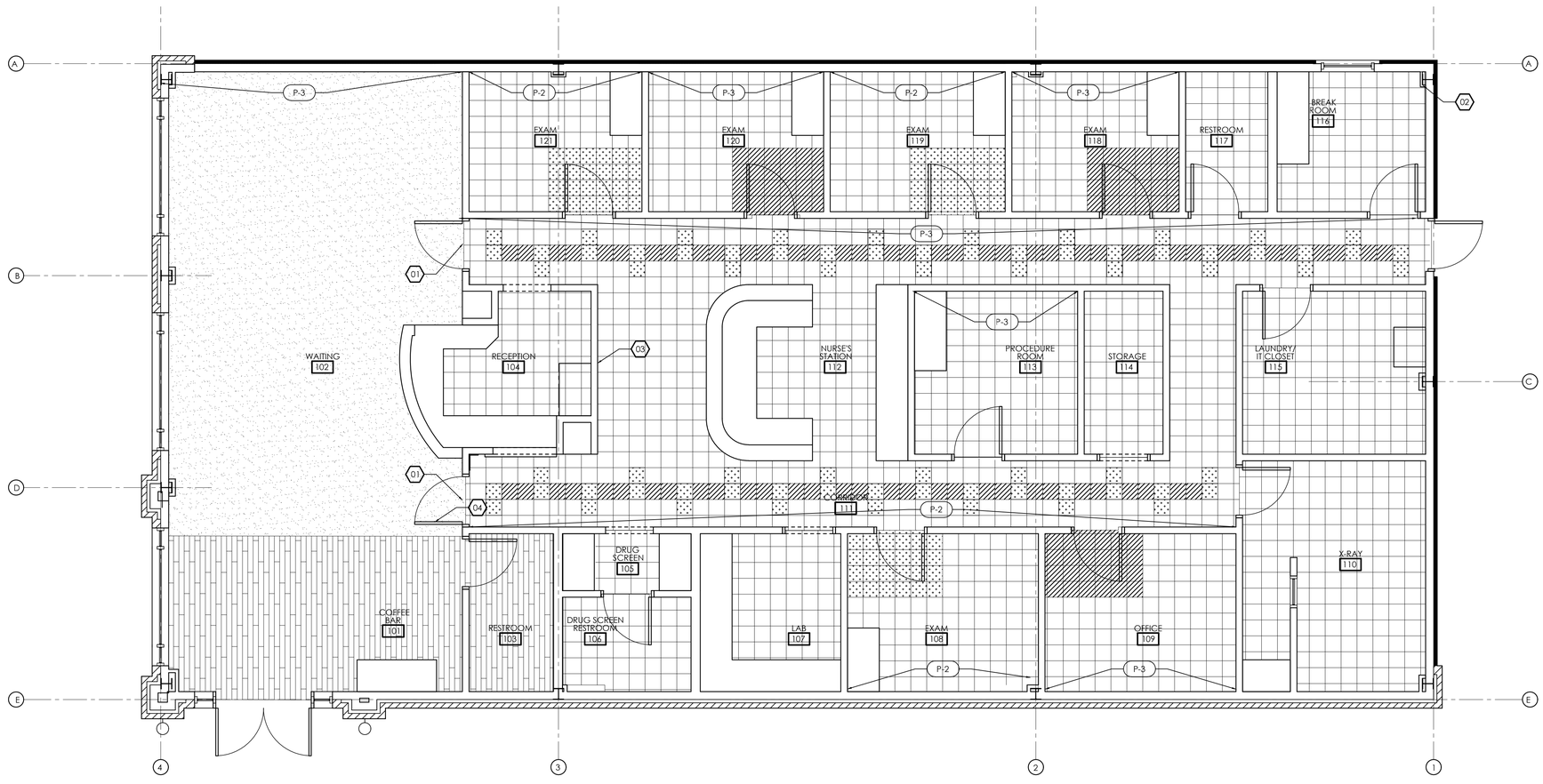
CPT1

VCT-1

VCT-2

VCT-3

LVT-1



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

JAMES MICHAEL HUCKESTEIN REGISTERED ARCHITECT 9709 NORTH CAROLINA FIRM LINGHAM

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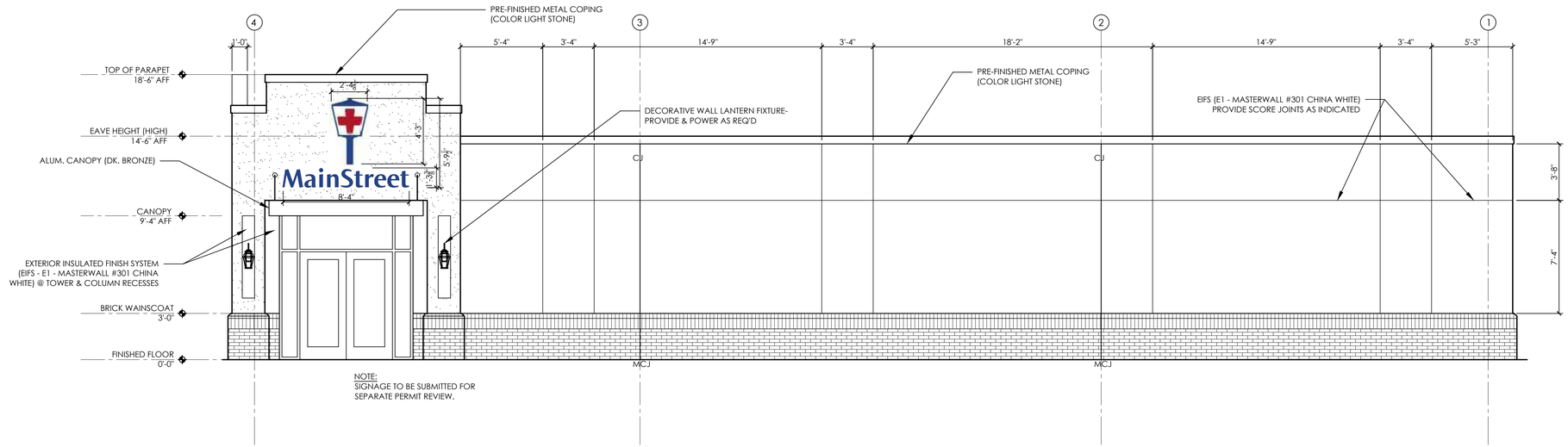
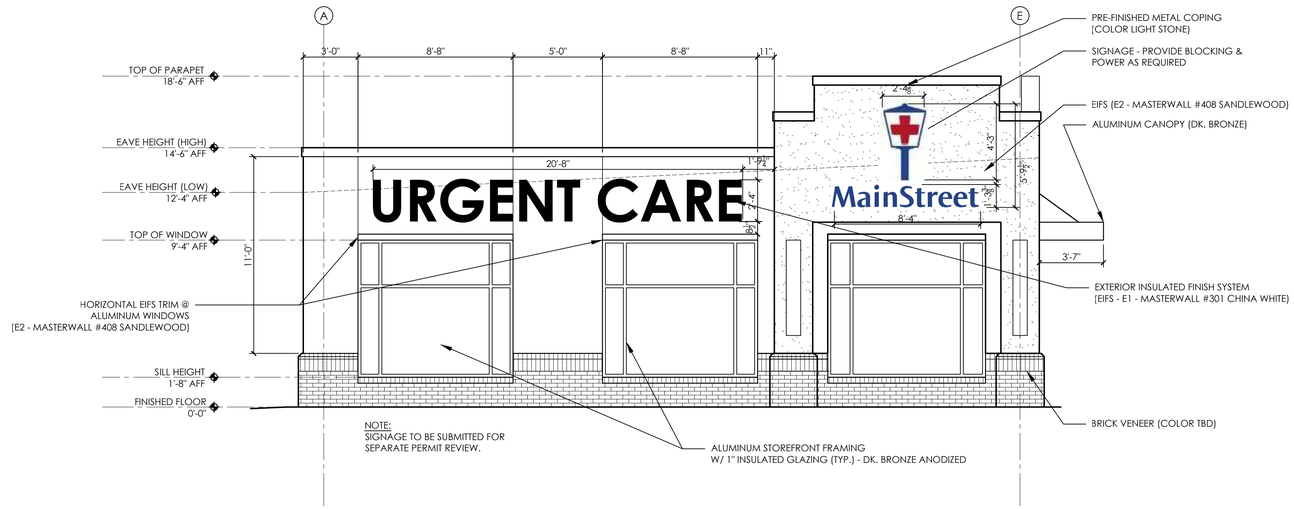
SHEET TITLE
FINISH FLOOR PLAN

DRAWING NO. A1.2



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



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

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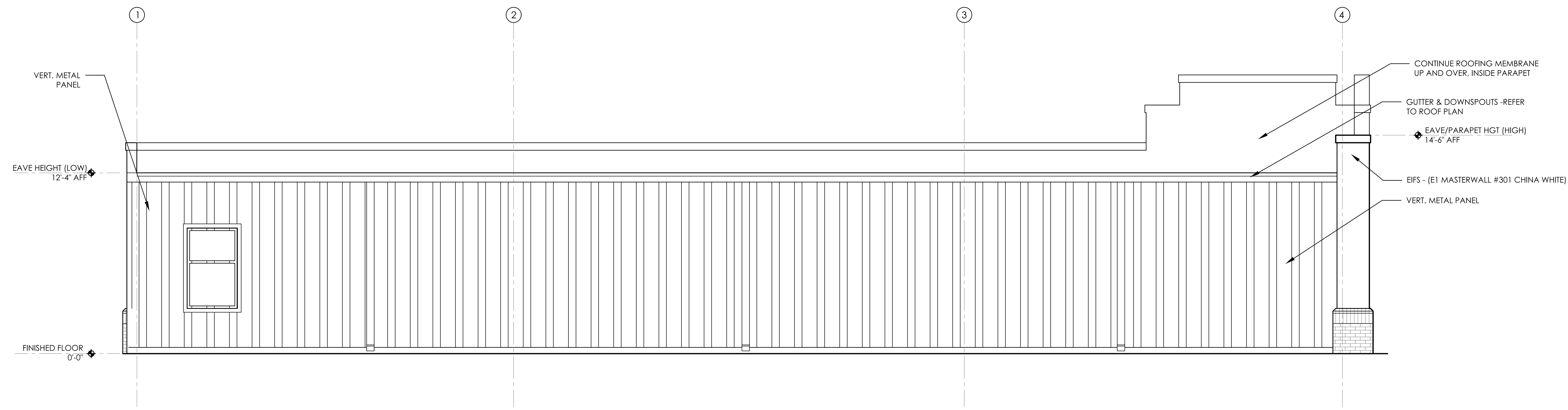
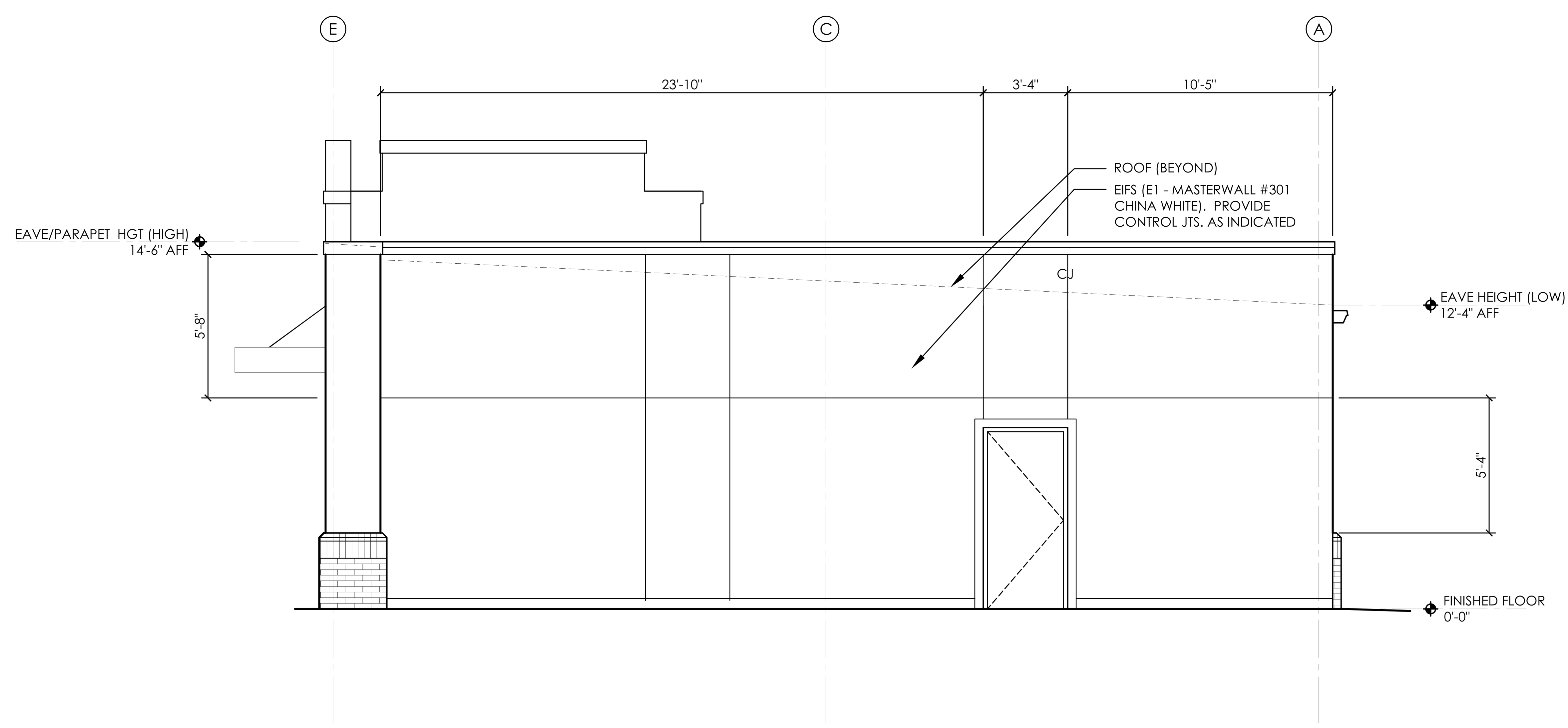
EXTERIOR ELEVATION

DRAWING NO.
A2.1



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



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

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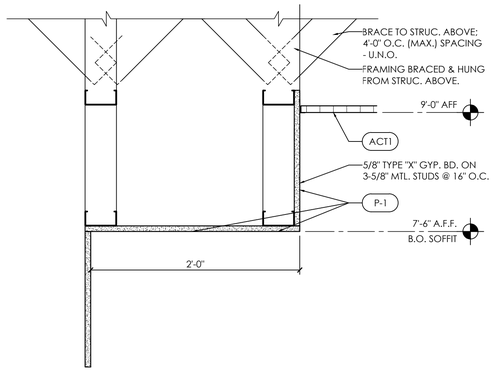
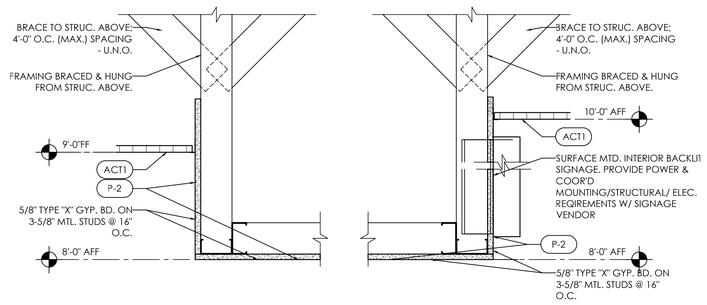
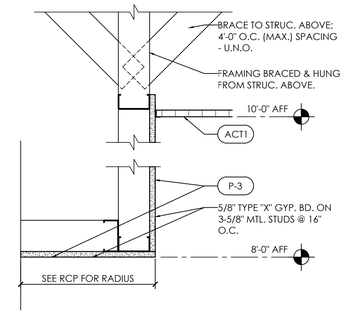
DRAWING NO.
A2.2



04 A3.1 DETAIL @ BULKHEAD @ RECEPTION
1-1/2"=1'-0"



03 A3.1 DETAIL @ BULKHEAD @ RECEPTION
1-1/2"=1'-0"



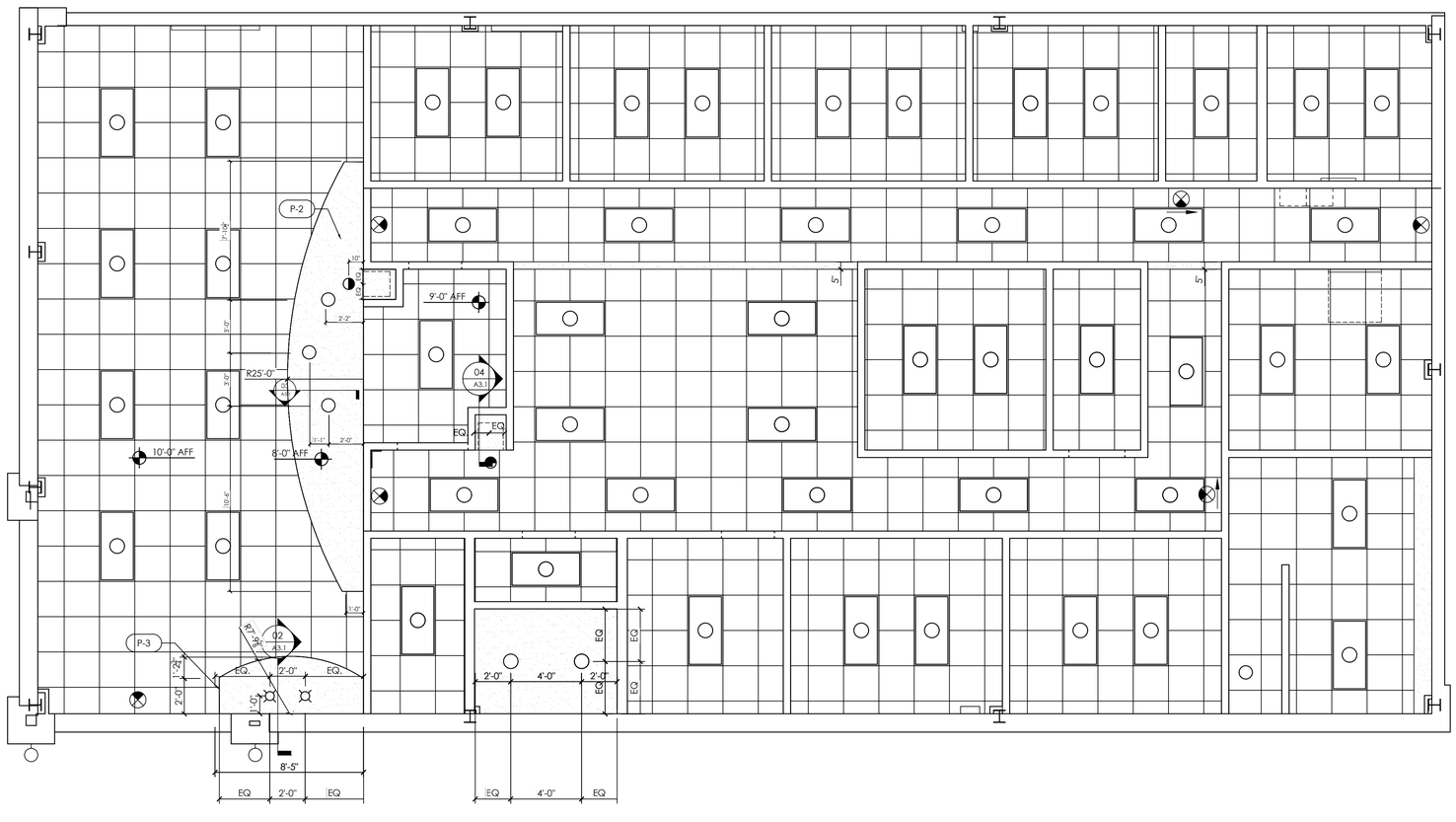
02 A3.1 DETAIL @ BULKHEAD @ COFFEE
1-1/2"=1'-0"

RCP GENERAL NOTES:

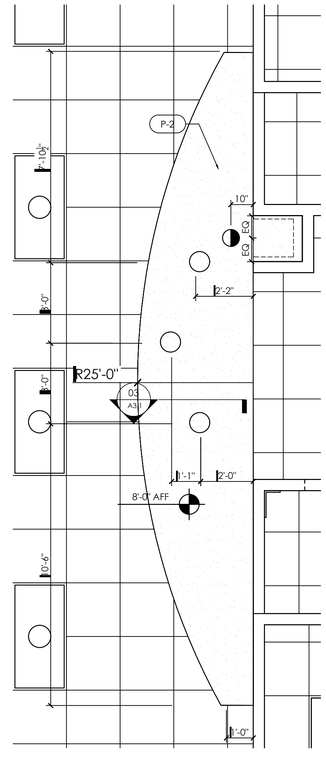
1. INTERIOR CEILING HEIGHTS TO BE 9'-0" UNLESS NOTED OTHERWISE.
2. LIGHTING TO BE PROVIDED AS A PART OF AN ELECTRICAL DESIGN/BUILD PACKAGE. FIXTURES SHOWN ARE FOR REFERENCE ONLY. SUBMIT FIXTURE CUTSHEETS FOR REVIEW PRIOR TO ORDERING & INSTALLATION.
3. PROVIDE MIN. ILLUMINATION LEVELS AS RECOMMENDED BY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

RCP LEGEND:

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



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



06 A3.1 ENLARGED PLAN @ RECEPTION SOFFIT
3/8"=1'-0"

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REGISTERED ARCHITECT
9709
STATE OF ALABAMA
BIRMINGHAM

James m. huckestein architect, AIA
architecture . planning . interior design
2126 Morris Avenue
Birmingham, Alabama 35203
Phone (205) 322-1751
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email info@hpkusha.com
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A New Building For:

Main Street 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

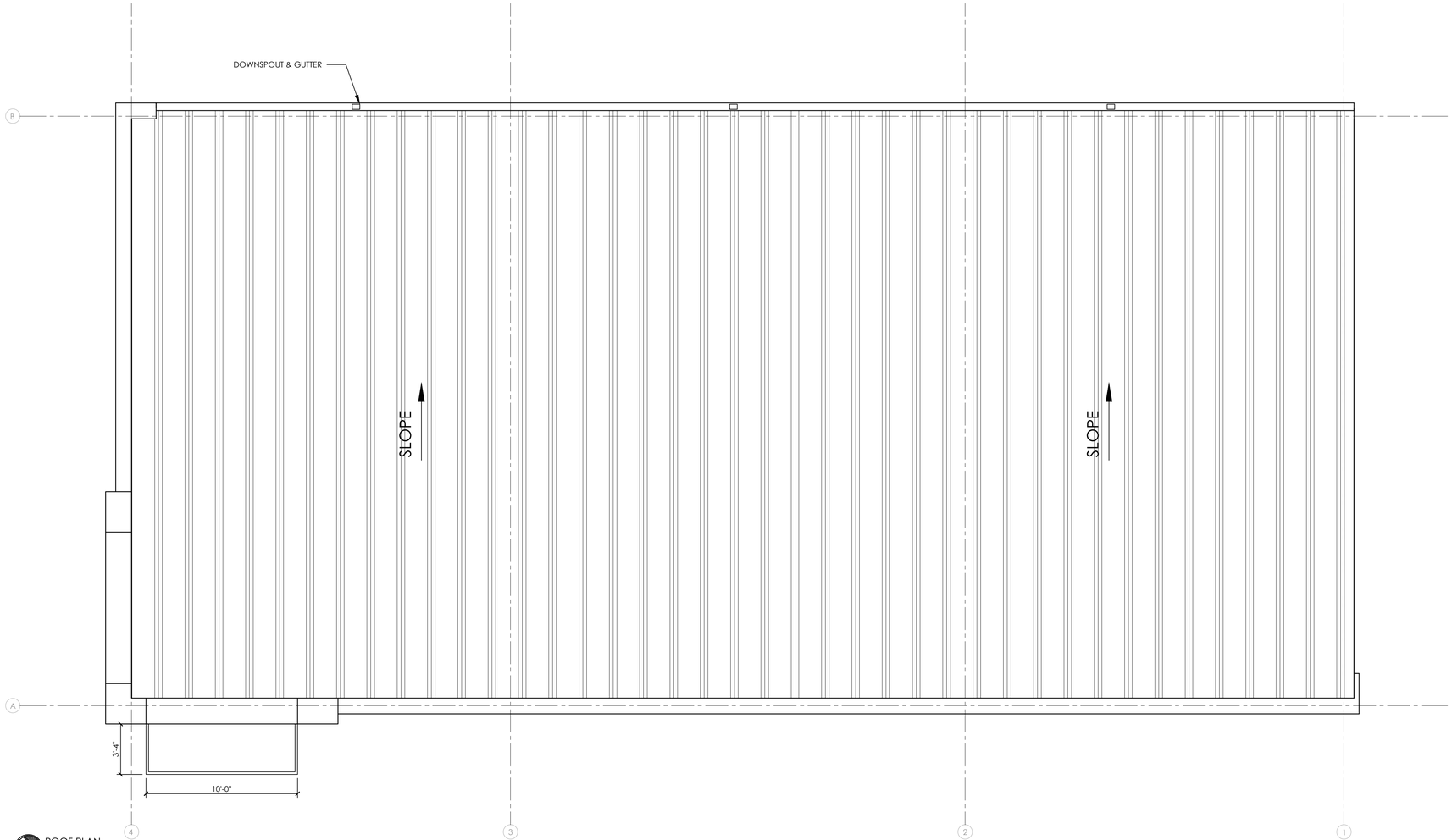
PROJECT NUMBER 22046.10

SHEET TITLE
REFLECTED CEILING PLAN

DRAWING NO. A3.1

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.



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

JAMES MICHAEL HUCKESTEIN
REGISTERED ARCHITECT
9709
BIRMINGHAM, ALABAMA

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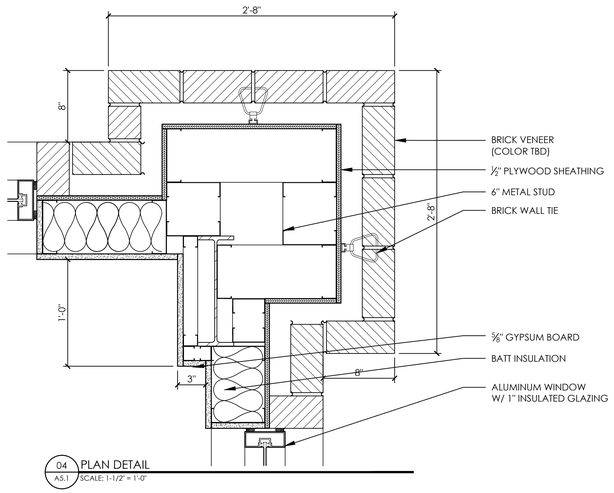
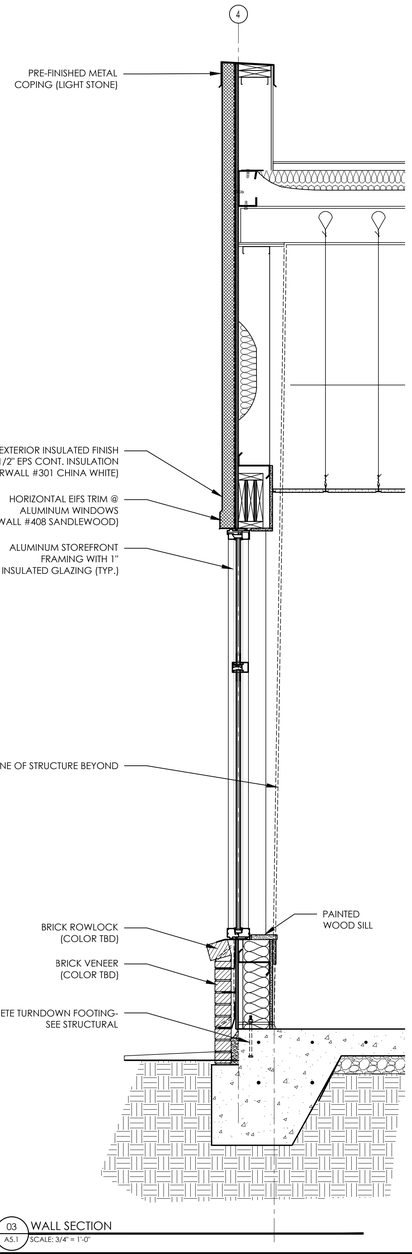
SHEET TITLE
ROOF PLAN

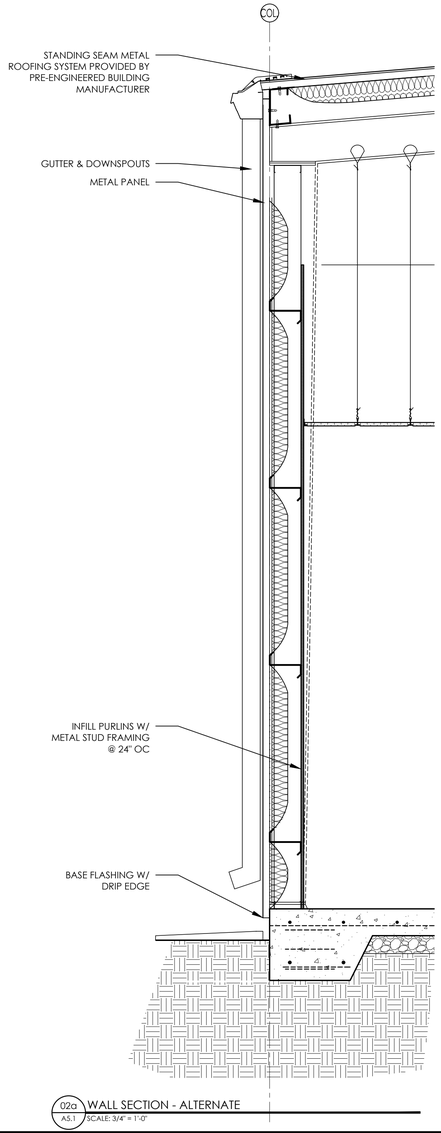
DRAWING NO.
A4.1



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



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



02a A5.1 WALL SECTION - ALTERNATE
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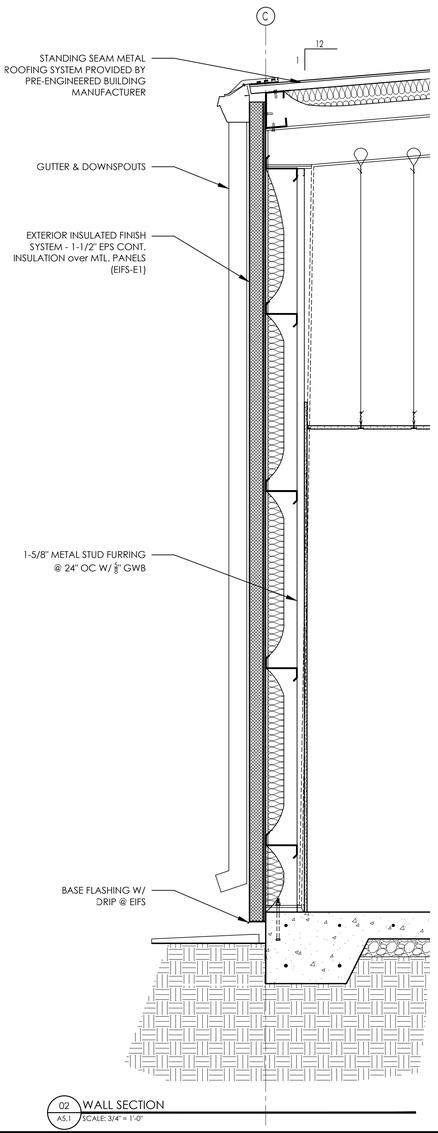

02 A5.1 WALL SECTION
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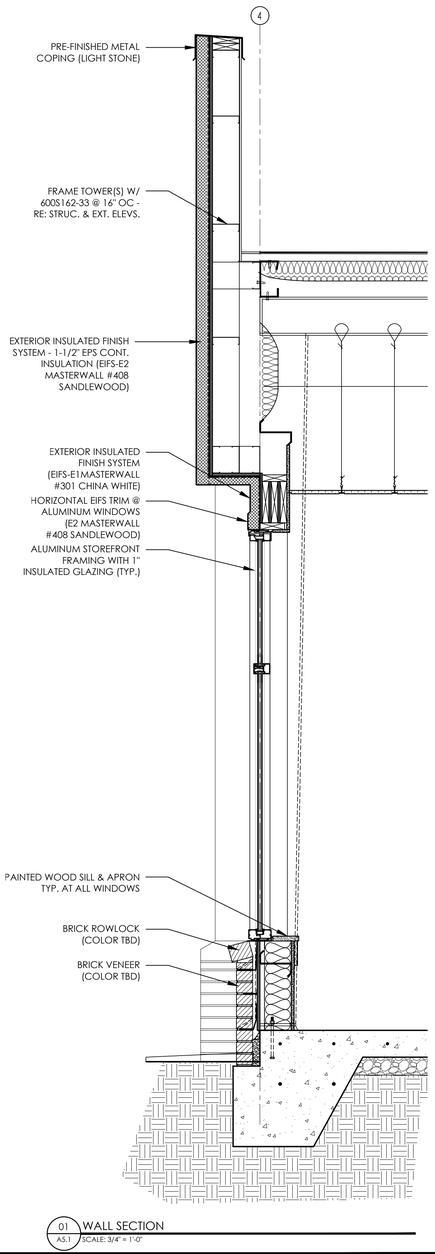

01 A5.1 WALL SECTION
SCALE: 3/4" = 1'-0"

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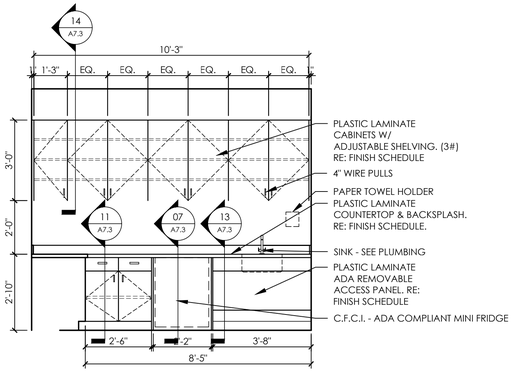
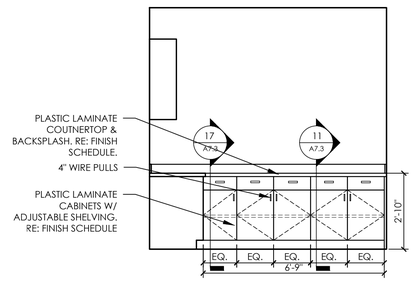
SHEET TITLE
WALL SECTIONS

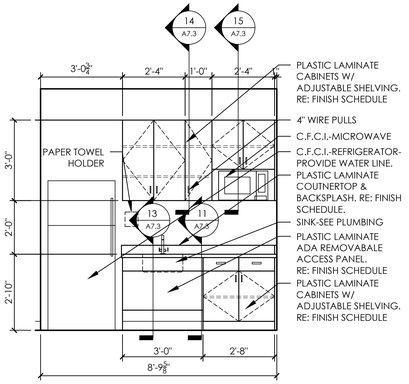
DRAWING NO.
A5.1



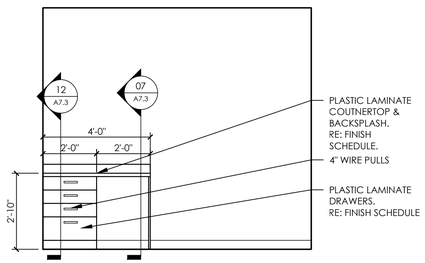
18 A7.1 ELEVATION @ LAB
SCALE: 3/8" = 1'-0"



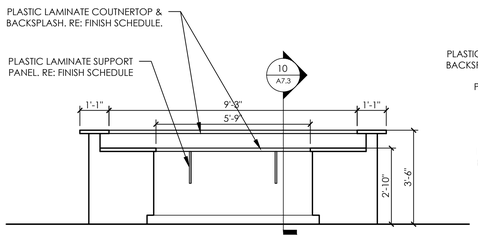
17 A7.1 ELEVATION @ LAB
SCALE: 3/8" = 1'-0"



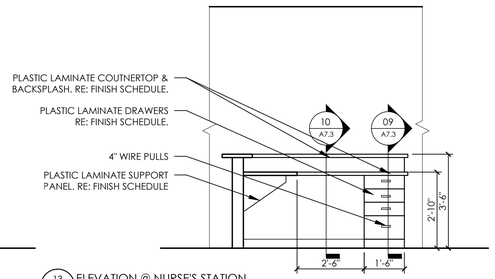
16 A7.1 ELEVATION @ BREAK ROOM
SCALE: 3/8" = 1'-0"



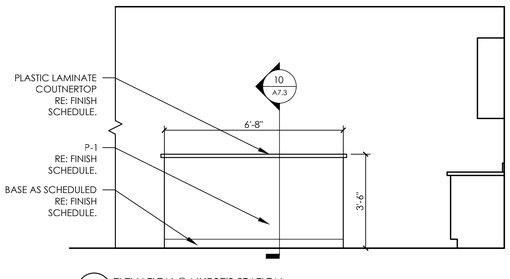
15 A7.1 ELEVATION @ TYPICAL EXAM ROOM
SCALE: 3/8" = 1'-0"



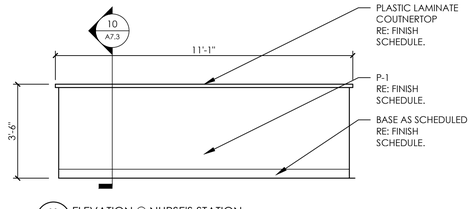
14 A7.1 ELEVATION @ NURSE'S STATION
SCALE: 3/8" = 1'-0"



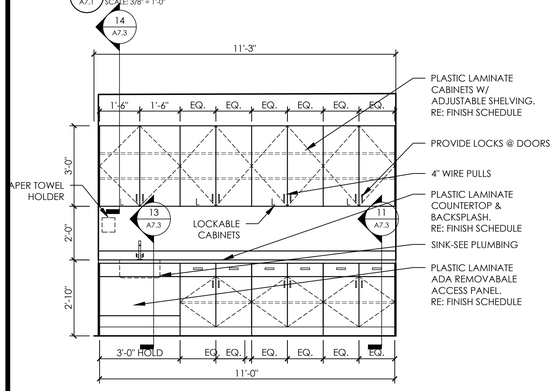
13 A7.1 ELEVATION @ NURSE'S STATION
SCALE: 3/8" = 1'-0"



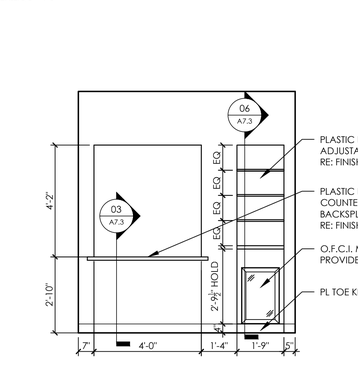
12 A7.1 ELEVATION @ NURSE'S STATION
SCALE: 3/8" = 1'-0"



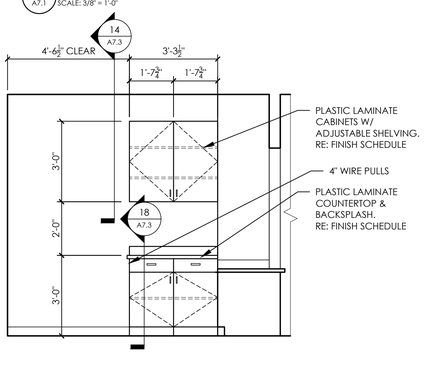
11 A7.1 ELEVATION @ NURSE'S STATION
SCALE: 3/8" = 1'-0"



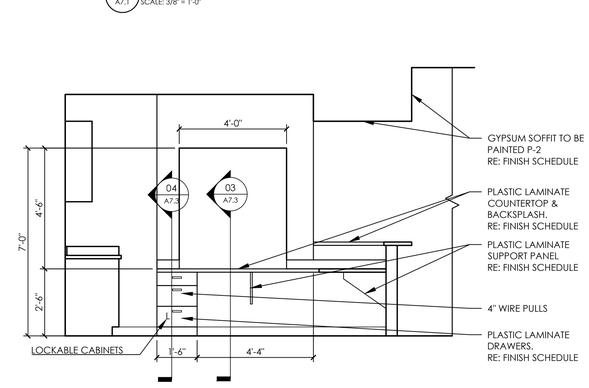
10 A7.1 ELEVATION @ NURSE'S STATION
SCALE: 3/8" = 1'-0"



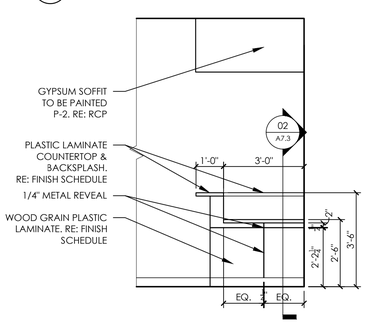
09 A7.1 ELEVATION @ RECEPTION
SCALE: 3/8" = 1'-0"



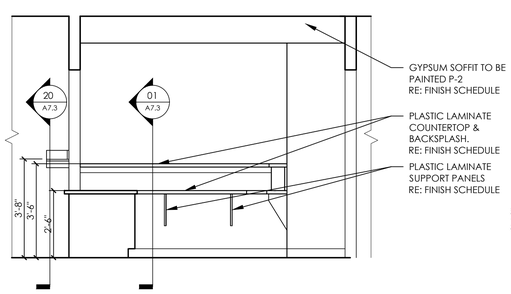
08 A7.1 ELEVATION @ RECEPTION
SCALE: 3/8" = 1'-0"



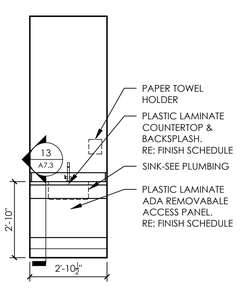
07 A7.1 ELEVATION @ RECEPTION
SCALE: 3/8" = 1'-0"



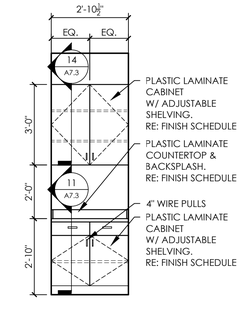
06 A7.1 ELEVATION @ RECEPTION
SCALE: 3/8" = 1'-0"



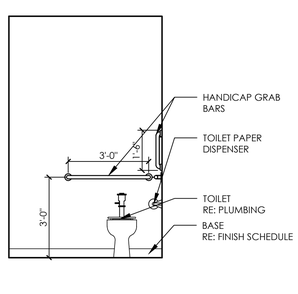
05 A7.1 ELEVATION @ RECEPTION
SCALE: 3/8" = 1'-0"



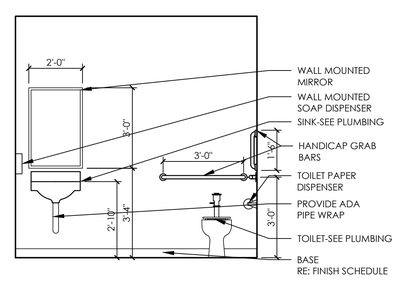
04 A7.1 ELEVATION @ DRUG SCREEN
SCALE: 3/8" = 1'-0"



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



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



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

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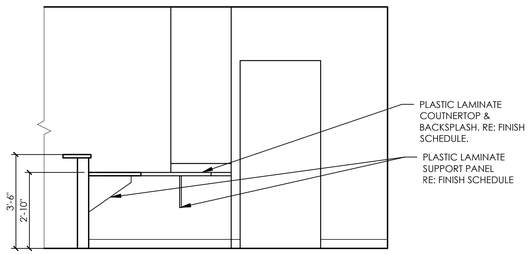
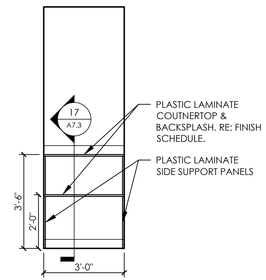
SHEET TITLE
INTERIOR ELEVATIONS

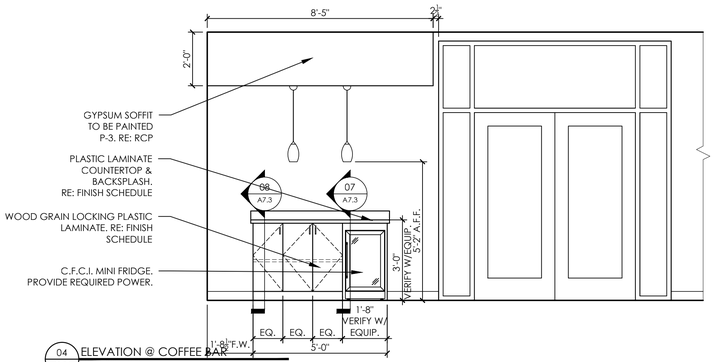
DRAWING NO. A7.1



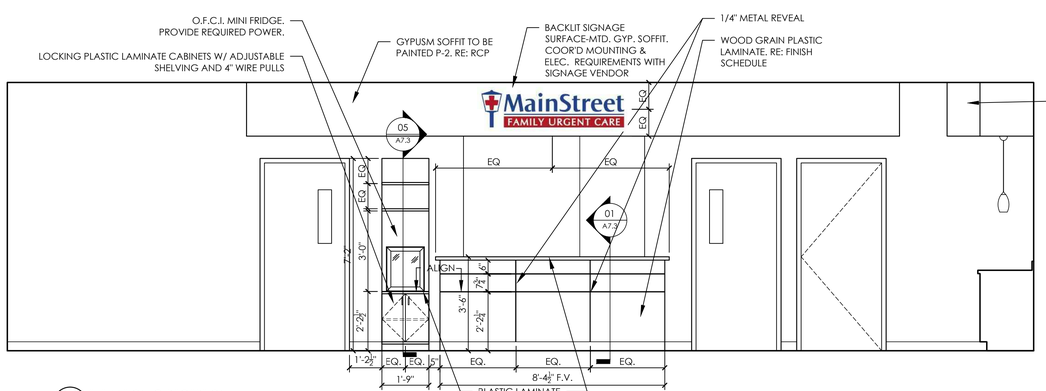
06 A7.2 ELEVATION @ RECEPTION
SCALE: 3/8" = 1'-0"



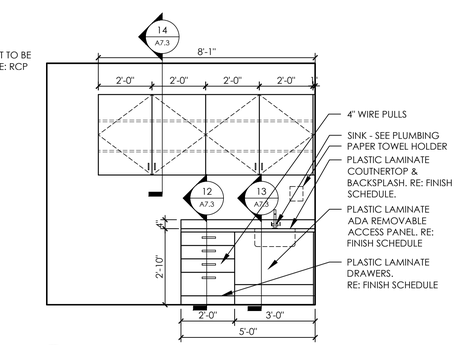
05 A7.2 ELEVATION @ X-RAY
SCALE: 3/8" = 1'-0"



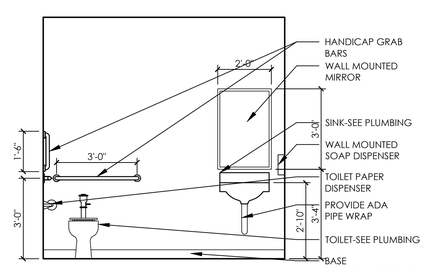
04 A7.2 ELEVATION @ COFFEE BAR
SCALE: 3/8" = 1'-0"



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



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



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

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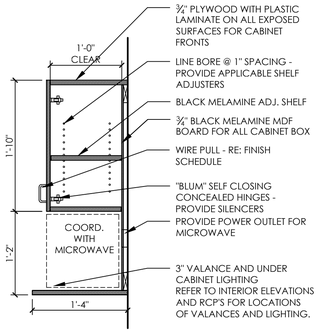
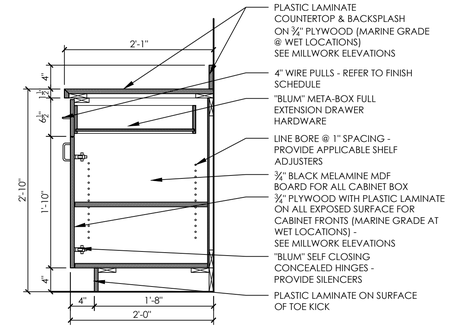
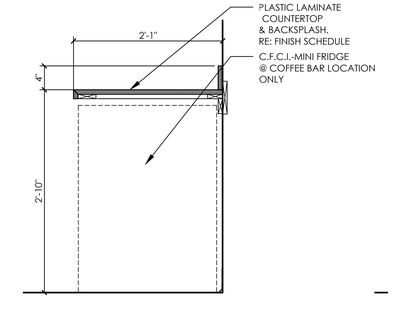
DRAWING NO. A7.2



15 SECTION @ OVERHEAD CABINET @ MICROWAVE
A7.3 SCALE: 1" = 1'-0"

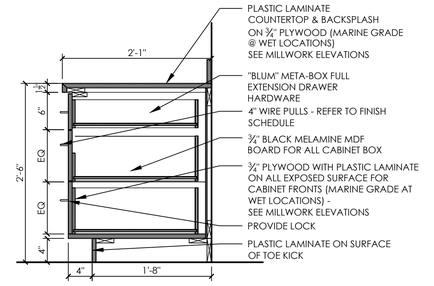


11 SECTION @ TYPICAL BASE CABINET
A7.3 SCALE: 1" = 1'-0"

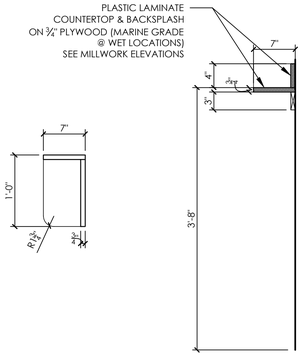


07 SECTION @ COFFEE BAR & EXAM ROOM
A7.3 SCALE: 1" = 1'-0"

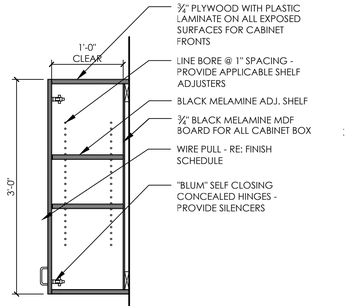
NOTE: MELAMINE TO BE WHITE WHERE PL-1 & PL-2 IS LOCATED & MELAMINE TO BE BLACK WHERE PL-3 IS LOCATED.



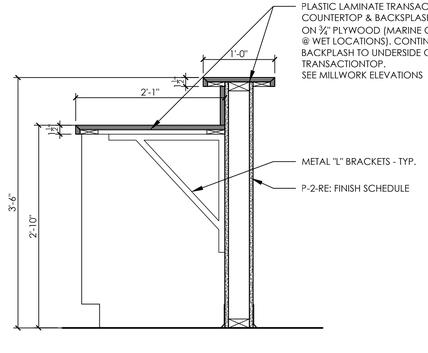
04 SECTION @ RECEPTION BOX/FILE
A7.3 SCALE: 1" = 1'-0"



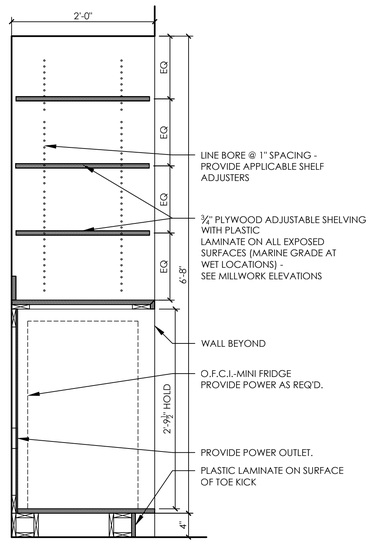
20 SECTION @ I PAD SHELF
A7.3 SCALE: 1" = 1'-0"



14 SECTION @ TYPICAL OVERHEAD CABINET
A7.3 SCALE: 1" = 1'-0"



10 SECTION @ NURSE'S STATION TRANSACTION COUNTER
A7.3 SCALE: 1" = 1'-0"



06 SECTION @ RECEPTION SHELVING
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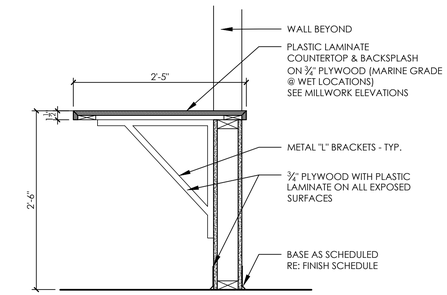
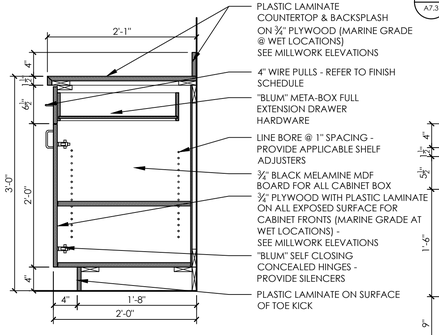
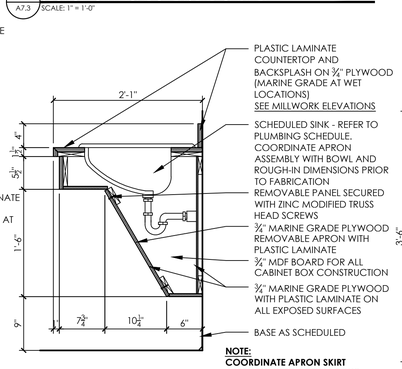


03 SECTION @ CHECK-OUT COUNTER
A7.3 SCALE: 1" = 1'-0"

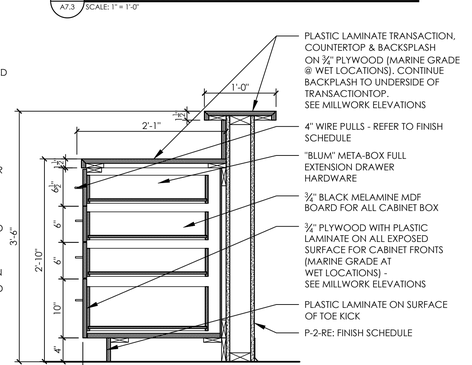


19 SECTION @ BASE CABINET
A7.3 SCALE: 1" = 1'-0"

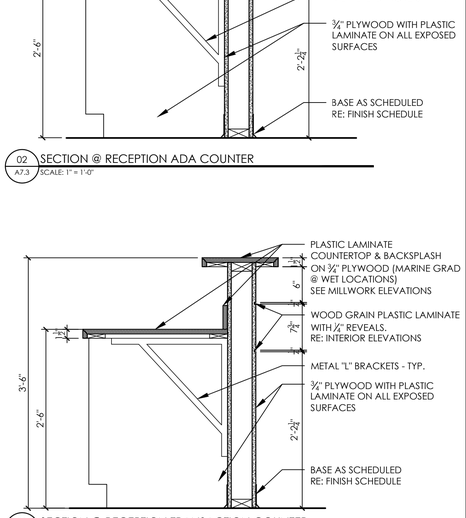


NOTE:
COORDINATE APRON SKIRT ASSEMBLY WITH ACTUAL BOWL DEPTH AND ROUGH-IN REQUIREMENTS

13 SECTION @ TYPICAL SINK CABINET
A7.3 SCALE: 1" = 1'-0"



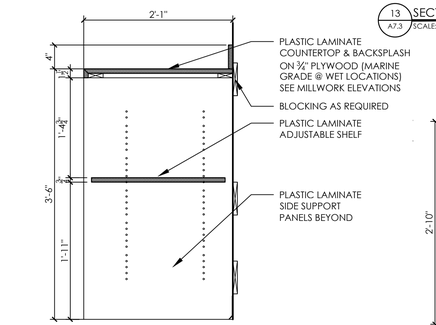
09 SECTION @ NURSE'S STATION BASE CABINET
A7.3 SCALE: 1" = 1'-0"



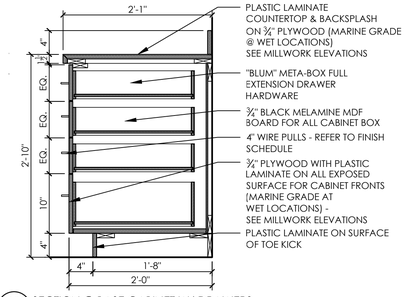
05 SECTION @ RECEPTION
A7.3 SCALE: 1" = 1'-0"

01 SECTION @ RECEPTION TRANSACTION COUNTER
A7.3 SCALE: 1" = 1'-0"

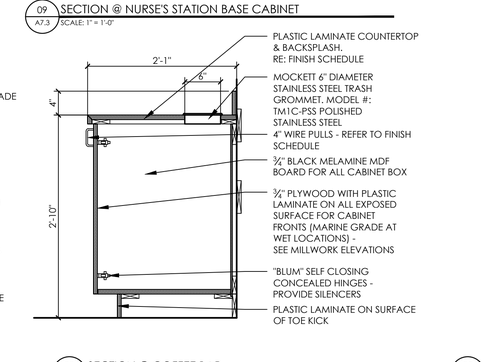
02 SECTION @ RECEPTION ADA COUNTER
A7.3 SCALE: 1" = 1'-0"



18 SECTION @ X-RAY COUNTER
A7.3 SCALE: 1" = 1'-0"



12 SECTION @ BASE CABINET W/ DRAWERS
A7.3 SCALE: 1" = 1'-0"



08 SECTION @ COFFEE BAR
A7.3 SCALE: 1" = 1'-0"

JAMES MICHAEL HUCKESTEIN
REGISTERED ARCHITECT
9709
STATE OF ALABAMA
BIRMINGHAM

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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

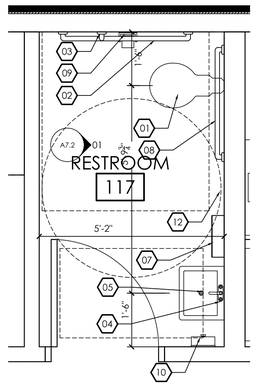
PROJECT NUMBER 22046.10

SHEET TITLE
MILLWORK SECTIONS

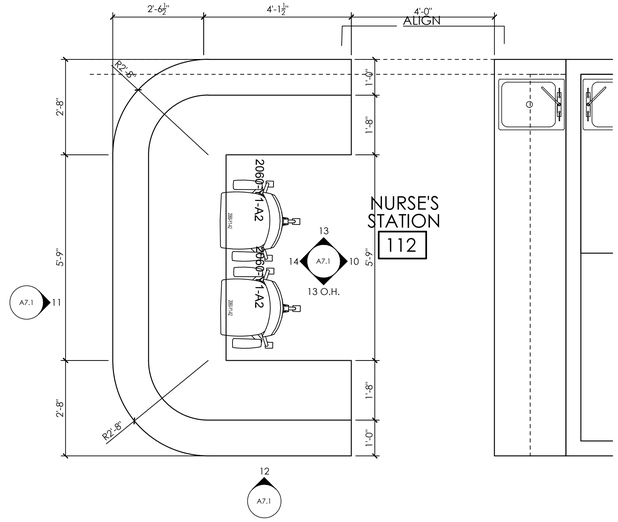
DRAWING NO. A7.3

TOILET ACCESSORY LEGEND

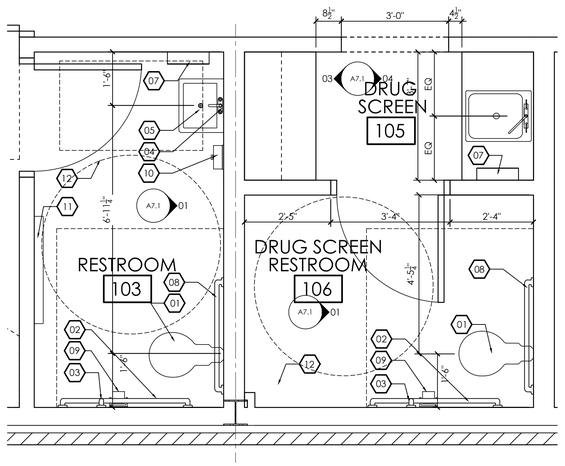
01	TOILET:	SEE PLUMBING
02	42" GRAB BAR:	STAINLESS STEEL FRAMED, 1-1/2" INCHES OUTSIDE DIA., W/ SNAP-ON FLANGE COVERS BY AMERICAN SPECIALTIES - SERIES 3800; 1-1/2" INCHES CLEARANCE BETWEEN WALL AND INSIDE OF GRAB BAR.
03	18" VERTICAL GRAB BAR:	STAINLESS STEEL FRAMED, 1-1/2" INCHES OUTSIDE DIA., W/ SNAP-ON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



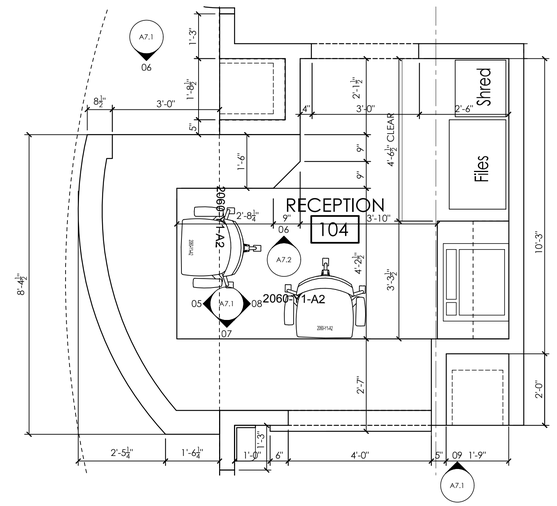
04 A7.4 ENLARGED PLAN @ RESTROOM
SCALE: 1/2" = 1'-0"



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



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



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

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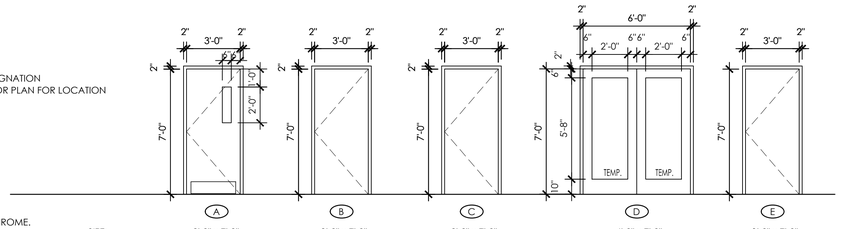
SHEET TITLE
ENLARGED FLOOR PLANS

DRAWING NO. A7.4

DOOR TYPE
LOCK SET DESIGNATION
REFER TO FLOOR PLAN FOR LOCATION

A01

LOCK SET DESIGNATION:
01 PASSAGE
02 PRIVACY
03 LOCK
04 PANIC



A B C D E

	A	B	C	D	E
SIZE:	3'-0" x 7'-0"	3'-0" x 7'-0"	3'-0" x 7'-0"	6'-0" x 7'-0"	3'-0" x 7'-0"
TYPE:	SCWD	SCWD	SCWD	ALUM	INSULATED METAL DOOR
FRAME:	H.M.	H.M.	H.M.	ALUM	H.M.
RATING:	N/A	N/A	N/A	N/A	N/A
GLAZING:	TEMPERED	N/A	N/A	TEMPERED.	N/A
NOTES:	DOORS WITH CLOSER TO RECEIVE STAINLESS STEEL KICK PLATE ON A04 DOORS - HARDWARE TO BE SCHLAGE ELECTRONIC SECURITY W/KEYPAD		PROVIDE LEAD PROTECTION	PROVIDE THUMB-TURN @ INSIDE OF ENTRY DOORS FOR LOCKING	

NOTE: DOOR HARDWARE FINISH TO BE CHROME.

NOTE: COORDINATE KEYING REQUIREMENTS W/ OWNER PRIOR TO ORDERING HARDWARE.

NOTE: G.C. TO CONFIRM LEAD REQUIREMENTS FOR X-RAY DOOR.

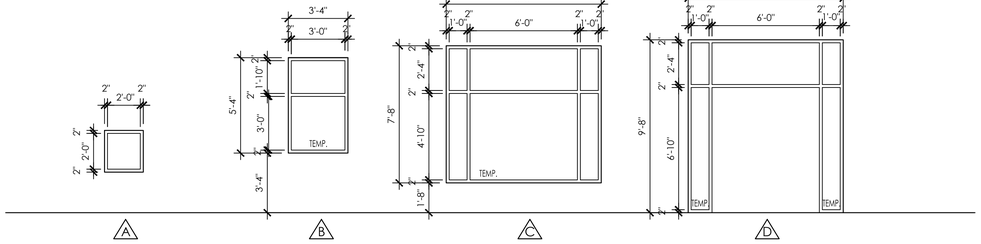
NOTE: ALL DOORS WITH CLOSERS TO RECEIVE STAINLESS STEEL KICK PLATES.

ALL INTERIOR DOORS TO RECEIVE:

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

DOOR SCHEDULE

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



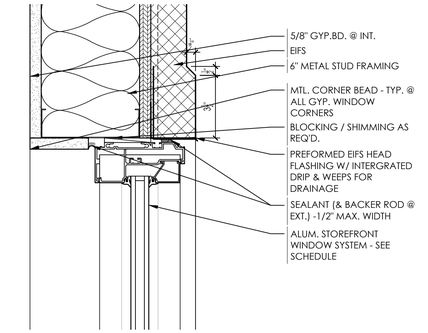
A B C D

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

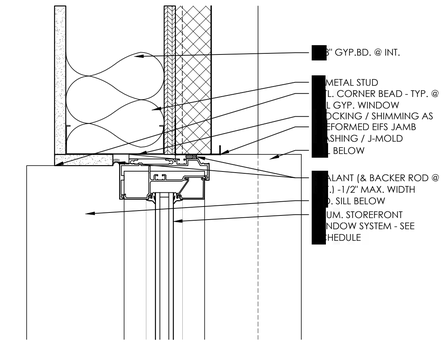
NOTE: GLAZING TO BE TEMPERED WHERE REQUIRED BY CODE
ALL ALUM. STOREFRONT TO BE DK. BRONZE ANODIZED.

WINDOW SCHEDULE

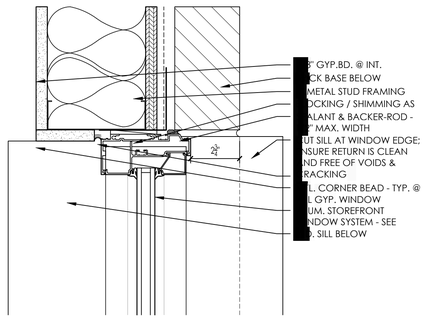
SCALE: 1/4" = 1'-0"



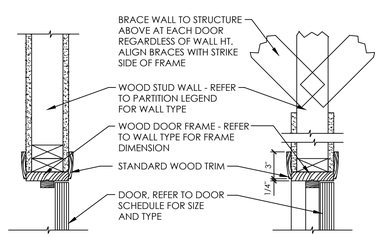
04 A8.1 ALUM. STOREFRONT WIN. HEAD @ EIFS
SCALE: 3" = 1'-0"



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

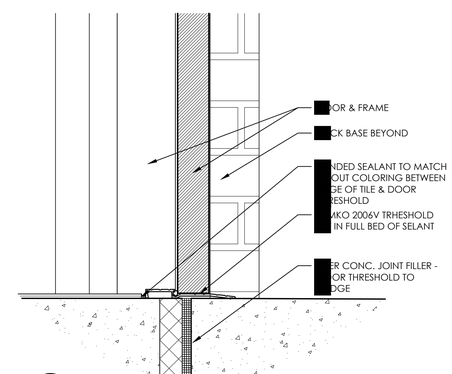


02 A8.1 ALUM. STOREFRONT WIN. JAMB @ BRICK BASE
SCALE: 3" = 1'-0"



JAMB HEAD

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



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

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PROJECT NUMBER 22046.10

SHEET TITLE
DOOR & WINDOW SCHEDULES

DRAWING NO. A8.1

KEITH D. GALLOWAY, PE
STRUCTURAL ENGINEERING
1430 Gadsden Highway
Suite 116 - #118
Birmingham, AL 35235
205.212.4730 P

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

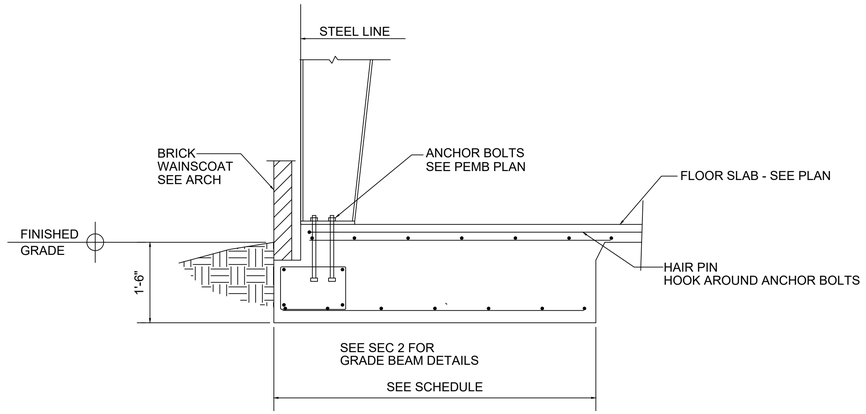
1. ALL CONCRETING METHODS SHALL COMPLY WITH ACI STANDARDS.
2. ALL REINFORCING DETAILING TO BE IN ACCORDANCE WITH ACI DETAILING MANUAL SP-66
3. CONCRETE PROPERTIES:
   USE.....DESIGN STRENGTH
   FOOTINGS.....3000 PSI
   SLAB ON GRADE.....3000 PSI
4. REINFORCING BARS: ASTM A615 GRADE 60
5. ALL SPLICES 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:

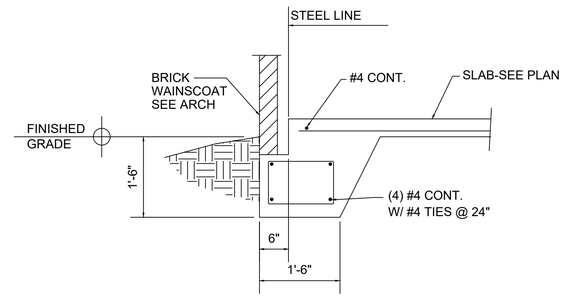
1. METAL BUILDING MANUFACTURER SHALL BE A MEMBER OF METAL BUILDING MANUFACTURERS ASSOCIATION (MBMA) AND BE AISC CERTIFIED FOR CATEGORY MB.
2. ANCHOR BOLT DIAMETER AND SPACING FURNISHED BY METAL BUILDING MANUFACTURER.
3. FOUNDATION DESIGN IS BASED ON PRELIMINARY REACTIONS AND SHALL BE VERIFIED WHEN FINAL 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.

VERTICAL BAR LAP SPLICE SCHEDULE			
LAP SPLICE LENGTH			
	CMU	CONCRETE	
BAR SIZE	f'm=1500	f'c=3000	f'c=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"

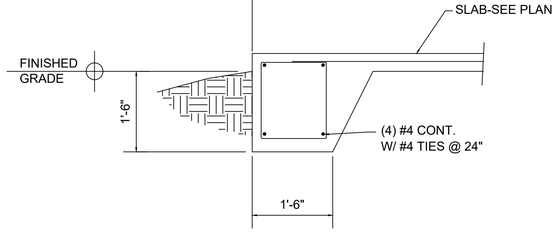
HORIZONTAL BAR LAP SPLICE SCHEDULE			
LAP SPLICE LENGTH			
	CMU	CONCRETE	
BAR SIZE	f'm=1500	f'c=3000	f'c=4000
#3	19"	28"	25"
#4	34"	38"	33"
#5	45"	47"	41"
#6	54"	56"	49"
#7	63"	81"	71"
#8	72"	93"	81"



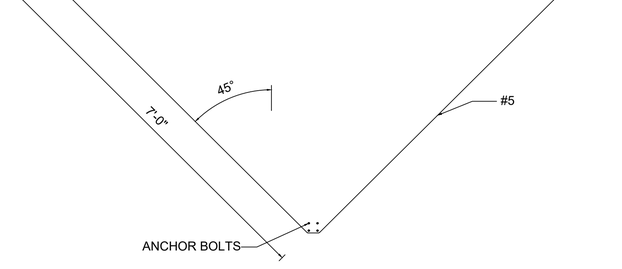
SECTION 1 S1.0



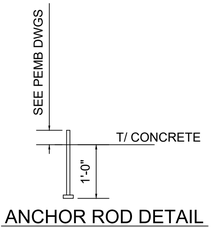
SECTION 2 S1.0



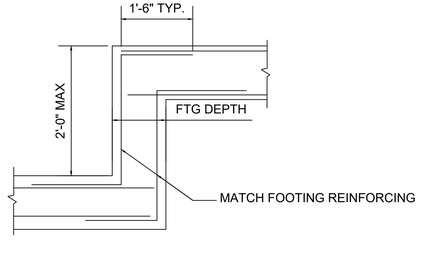
SECTION 3 S1.0



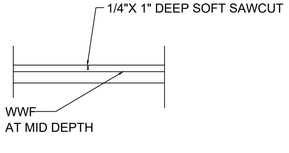
HAIR PIN DETAIL



ANCHOR ROD DETAIL
5/8" AND 3/4" DIAMETER
MATERIAL: A307 TYPE C HEADED



FOOTING STEP DETAIL



SLAB CONTROL JOINT

NORTH CAROLINA PROFESSIONAL SEAL 17404 7-11-22 ENGINEER KEITH D. GALLOWAY
Keith D. Galloway

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SHEET TITLE
STRUCTURAL DETAILS

DRAWING NO.
S1.0

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STRUCTURAL ENGINEERING
1430 Gadsden Highway
Suite 116 - #118
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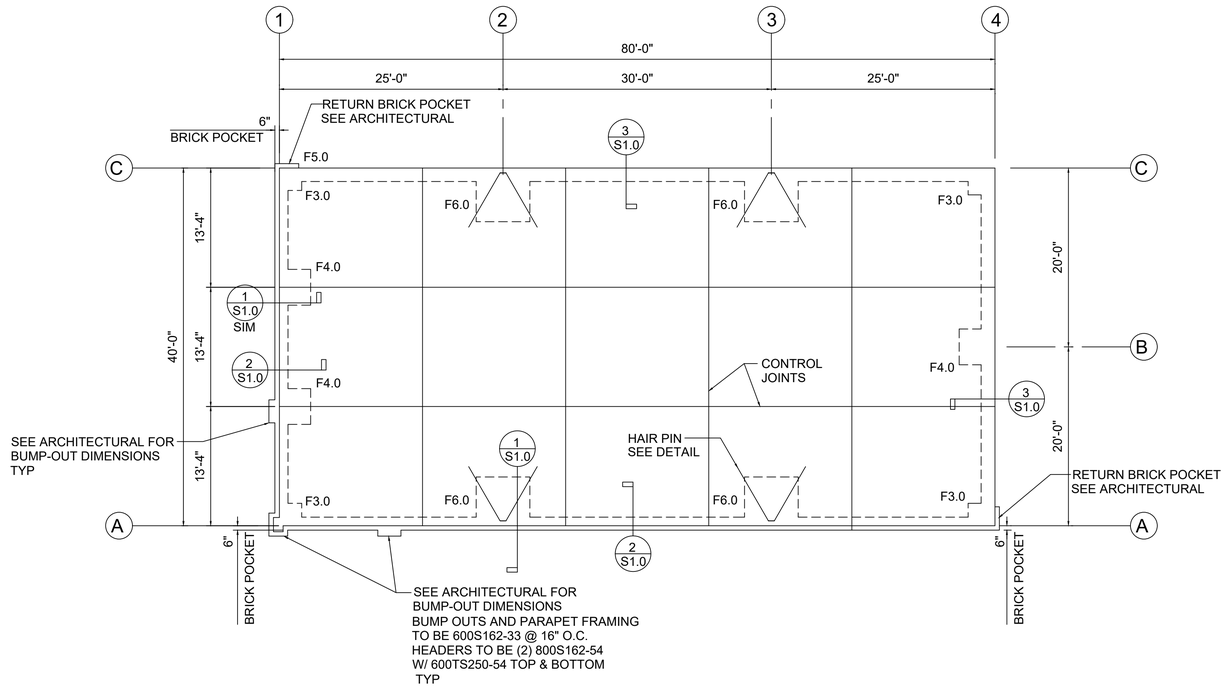

FOUNDATION PLAN

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

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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) TOTAL	COOLING CAP.(MBH) SENSIBLE	COIL FACE AREA	SUPP. ELEC. HEAT KW	SUPP. ELEC. HEAT NO. STAGES	ELECTRICAL	ELECTRICAL MCA	ELECTRICAL MFS MCB	FILTER MAX. F.V. 1" T.A.	EQUAL TO	REMARKS
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

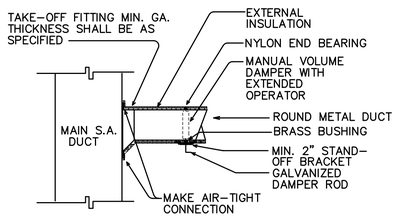
SYMBOL	TOT. ARI COOLING CAP. MBH	TOT. ARI COOLING CAP. AMBIENT (°F)	HEATING CAPACITY MBH	HEATING CAPACITY KW	HEATING CAPACITY AMBIENT (°F)	FANS NUMBER	FANS H.P. EA.	FANS FLA EA.	FANS LRA EA.	COMPRESSOR NO.	COMPRESSOR H.P. EA.	COMPRESSOR RLA EA.	COMPRESSOR LRA EA.	COMPRESSOR MCA	COMPRESSOR MFS	ELECTRICAL VOLTS/PH./HZ.	MINIMUM SEER	EQUAL TO	REMARKS
CU-1	42	95	– –	– –	17 47	1	1/4	1.3	–	1	–	15.5	105	24	40	240/1/60	14.0	CARRIER	
CU-2	42	95	– –	– –	17 47	1	1/4	1.3	–	1	–	15.5	105	24	40	240/1/60	14.0	CARRIER	
CU-3	48	95	– –	– –	17 47	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 HP	MOTOR VOLTAGE	ACCESSORIES	CONTROL OR INTERLOCK WITH
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

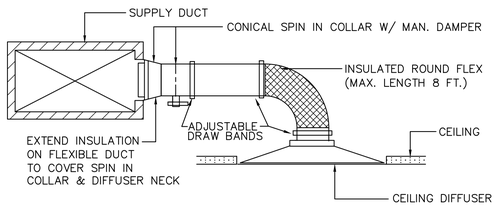
FAN ACCESSORIES AND NOTES:

1. DIRECT DRIVE WITH FAN MOUNTED SOLID STATE SPEED CONTROL
2. BELT DRIVE
3. DISCONNECT SWITCH
4. PREFABRICATED INSULATED ROOF CURB W/SOUND ATTENUATION
5. BACKDRAFT DAMPER
6. ROOF CAP OR BRICK VENT WITH INSECT SCREEN



ROUND BRANCH DUCT TAKE-OFF DETAIL

NOT TO SCALE



TYPICAL FLEXIBLE DUCT CONNECTION DETAIL

NO SCALE

GRILLE, REGISTER AND DIFFUSER SCHEDULE AND LEGEND

A WALL RETURN GRILLE SHALL BE CONSTRUCTED OF HEAVY GAUGE STEEL. EXTERIOR FINISH SHALL BE OFF-WHITE. UNITS SHALL BE EQUVALENT TO TITUS MODEL "33R".

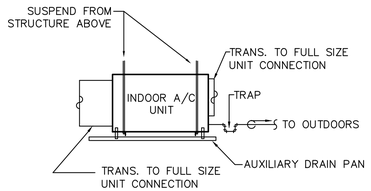
B CD - SQUARE FACE, ROUND NECK, LOUVER FACE CEILING DIFFUSER SHALL BE CONSTRUCTED OF HEAVY GAUGE ALUMINUM. PROVIDE PLASTER FRAME FOR MOUNTING IN GYPSUM BOARD CEILING AS REQ'D. PROVIDE DIRECTIONAL PATTERN AS INDICATED. VOLUME CONTROL DAMPER SHALL BE OPPOSED BLADE TYPE. EXTERIOR FINISH SHALL BE OFF-WHITE BAKED ENAMEL. UNITS SHALL BE EQUVALENT TO TITUS MODEL "TDCA-AA".

C SR - SUPPLY REGISTERS, SIDEWALL. EXTRUDED ALUMINUM DOUBLE DEFLECTION. WHITE BAKED ENAMEL FINISH.

D CRFG - CEILING RETURN FILTER GRILLE SHALL BE CONSTRUCTED OF ALL ALUMINUM. BORDER SHALL BE FLANGED, MODULAR, SUITABLE FOR MOUNTING IN AN EXPOSED "T-BAR" CEILING SUSPENSION SYSTEM. EXTERIOR FINISH SHALL BE OFF-WHITE. UNITS SHALL BE EQUVALENT TO TITUS MODEL "50F".

E CTG - CEILING TRANSFER GRILLE SHALL BE CONSTRUCTED OF ALL ALUMINUM. PROVIDE MODULAR BORDER OR PLASTER FRAME AS REQUIRED. EXTERIOR FINISH SHALL BE OFF-WHITE. UNITS SHALL BE EQUVALENT TO TITUS MODEL "50F".

NOTE: COORDINATE EXACT LOCATION OF ALL CEILING DIFFUSERS, GRILLES AND REGISTERS WITH THE REFLECTIVE CEILING PLAN.



HORIZONTAL FURNACE DETAIL

NO SCALE

NOTE:
① PROVIDE HORIZONTAL AIR HANDLING UNIT W/AUXILIARY DRAIN PAN W/ FLOAT SWITCH TO INTERRUPT POWER UPON FILLING. PROVIDE FILTER ACCESS AS REQUIRED.

HVAC SPECIFICATIONS

1. 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.
2. EQUIPMENT SHALL BE NEW, AND OF THE QUALITY SPECIFIED HEREIN.
3. REMOVE EXCESS DEBRIS AND RUBBISH AS THE WORK PROGRESSES. UPON COMPLETION, CLEAN ALL EQUIPMENT AND HVAC SPACES THOROUGHLY.
4. ROUTE ALL DUCTWORK PARALLEL TO THE BUILDING WALLS, AND INSTALL WITHOUT DEFORMING THE DUCTWORK. PROVIDE ADEQUATE SUPPORT FOR ALL WORK.
5. 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.
6. PROVIDE FIRE DAMPERS IN ALL DUCT PENETRATING RATED WALL AND CEILING ASSEMBLIES.
7. 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.
8. 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.
9. BALANCE SYSTEMS TO WITHIN 5% OF AIR VALUES SHOWN. SUBMIT A WRITTEN REPORT TO THE ARCHITECT/ENGINEER.
10. DRAIN PIPING SHALL BE TYPE 'L' COPPER AND SHALL BE INSULATED WITH 1/2" THICK FIRE RETARDANT ELASTOMERIC FOAM TYPE INSULATION.
11. COORDINATE EXACT ROUTING OF DUCTWORK WITH LIGHTS, STRUCTURAL AND PLUMBING. COORDINATE ALL WALL OPENINGS SIZES WITH THE GENERAL CONTRACTOR.

AIR DEVICES

- STRAIGHT SPIN-IN WITH MANUAL DAMPER
- MANUAL DAMPER
- F.D. FIRE DAMPER
- A.D. AUTO. DAMPER
- FLEXIBLE CONNECTION
- Ø ROUND DUCT SYMBOL
- W X H RECTANGULAR DUCT
- RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING DOWN
- ROUND DUCT TURNING DOWN
- ELBOW WITH TURNING VANES FOR SUPPLY.
- 5 PIECE 6" ROUND AND ABOVE
- (T) THERMOSTAT
- (S) RETURN AIR SENSOR WITH REMOTE THERMOSTAT
- OA OUTSIDE AIR
- TA TRANSFER AIR
- S SUPPLY AIR
- E EXHAUST AIR
- R RETURN AIR
- D - GRILLE TYPE - SEE SLEGEND
  CRG - CEILING RETURN GRILLE
  2416- 24x24 LAY-IN, 16" SQ. NECK
  117 - 117 CFM
- A - GRILLE TYPE - SEE SLEGEND
  CD - CEILING DIFFUSER
  2408 - 24x24, 8"Ø NECK(RUNOUT=NECK SIZE)
  117 - 117 CFM

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DATE 08.02.2022
DRAWN AP
CHECKED ENH
APPROVED H+HA

PROJECT NUMBER 22046.10

SHEET TITLE
HVAC SCHEDULES & DETAILS, HVAC PLAN

DRAWING NO. M1.1

AC-1 OUTDOOR AIR CALCULATIONS PER 2018 IMC TABLE 403.3.1.1

	Area	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Total CFM	Supply Air	Zp EQ 4-5
Lab 107	93	0	1	0.12	12	10	10	22	150	0.146667
Exam 108	125	5	2	0.06	8	5	10	18	150	0.12
Office 109	125	5	2	0.06	8	5	10	18	170	0.105882
Restroom 103	53	0	1	0.06	4	5	5	9	50	0.18
Drug Screen	80	5	1	0.06	5	5	5	10	75	0.133333
IT/Laundry	120	0	1	0.12	15	10	10	25	150	0.166667
X-Ray 110	173	0	2	0.06	11	5	10	21	230	0.091304
Corridor	268	0	0	0.06	17	5	0	17	120	0.141667

Max "Zp"	0.18
"Ev"	0.9
"Vou" Total OSA EQ 4-6	98
Total Building Occupancy	7
Zone Occupancy	10
"D" from EQ 4-7	0.7
"Vot" Equation 4-8	108.8889
OSA	108.8889
Ez	0.8
Total Required OSA	136.1111

AC-2 OUTDOOR AIR CALCULATIONS PER 2018 IMC TABLE 403.3.1.1

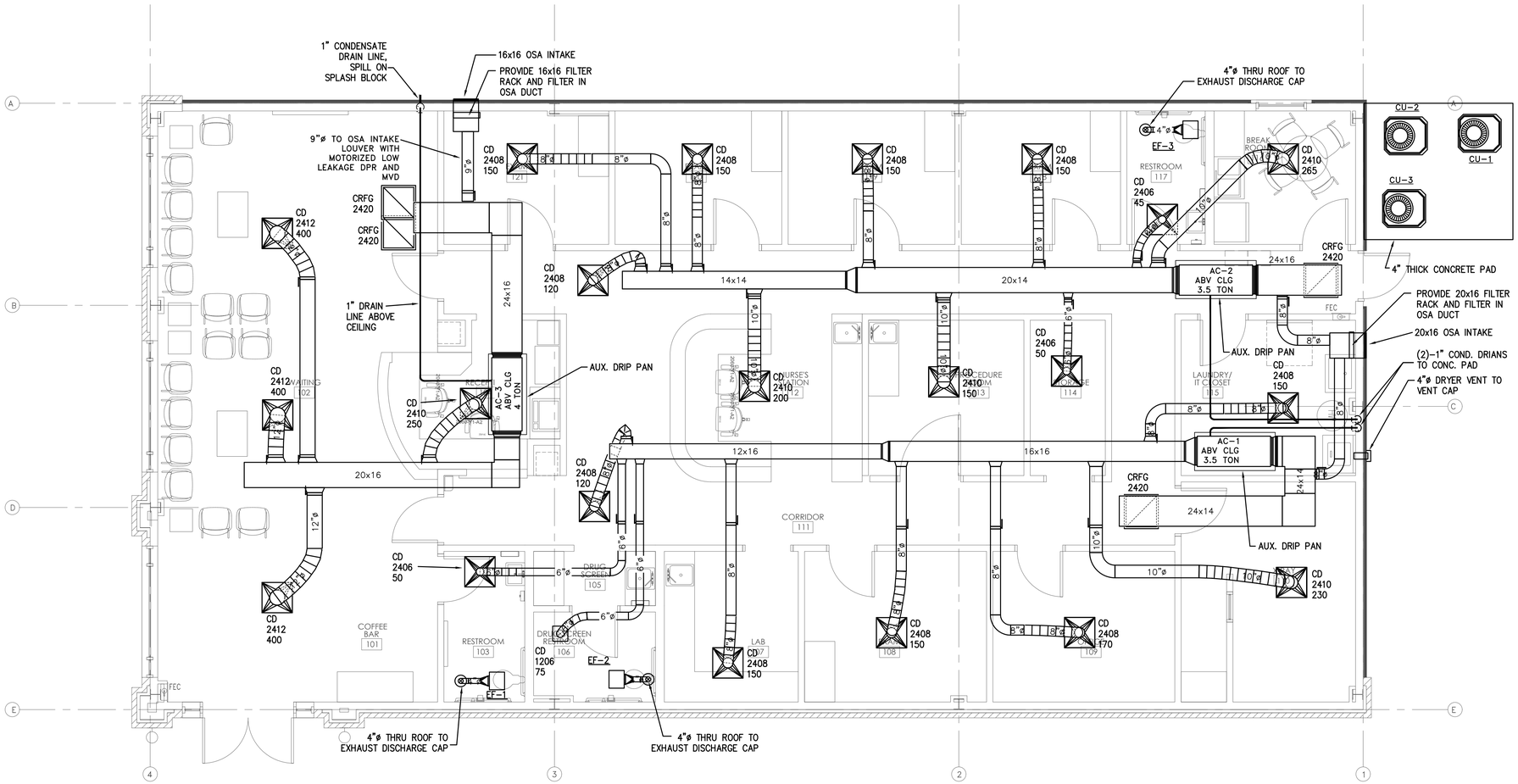
	Area	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Total CFM	Supply Air	Zp EQ 4-5
Restroom 117	46		1	0.06	3	5	5	8	45	0.177778
Exam 118	92	5	2	0.06	6	5	10	16	150	0.106667
Exam 119	92	5	2	0.06	6	5	10	16	150	0.106667
Exam 120	92	5	2	0.06	6	5	10	16	150	0.106667
Break Room 116	82	0	2	0.06	5	5	10	15	265	0.056604
Nurse Station 112	140	5	1	0.06	9	5	5	14	200	0.07
Exam 121	92	0	3	0.06	6	5	15	21	150	0.14
Procedure 113	105	0	3	0.06	7	5	15	22	150	0.146667
Storage 112	50	0	0	0.06	3	5	0	3	50	0.06
Corridor	311	0	0	0.06	19	5	0	19	120	0.158333

Max "Zp"	0.177778
"Ev"	0.9
"Vou" Total OSA EQ 4-6	112.5
Total Building Occupancy	12
Zone Occupancy	16
"D" from EQ 4-7	0.75
"Vot" Equation 4-8	125
OSA	125
Ez	0.8
Total Required OSA	156.25

AC-3 OUTDOOR AIR CALCULATIONS PER 2018 IMC TABLE 403.3.1.1

	Area	Peo/1000SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Total CFM	Supply Air	Zp EQ 4-5
Waiting 102	750	0	15	0.06	45	5	75	120	1200	0.1
Reception Desk	134	0	2	0.06	9	5	10	19	250	0.076

Max "Zp"	0.1
"Ev"	1
"Vou" Total OSA EQ 4-6	139
Total Building Occupancy	17
Zone Occupancy	17
"D" from EQ 4-7	1
"Vot" Equation 4-8	139
OSA	139
Ez	0.8
Total Required OSA	173.75



FLOOR PLAN - HVAC

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

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PROJECT NUMBER 22046.10

SHEET TITLE
FLOOR PLAN - HVAC

DRAWING NO. M2.1

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, SYMMONS 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 BACKSPLASH 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 TAILIECE, 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 TAILIECE, EBC TA 150 P–TRAP AND EBC LA 10 STOPS WITH SUPPLIES AND CHICAGO FAUCET 786–E3CP FAUCET. COORDINATE SIZE WITH MILLWORK BEFORE ORDERING.

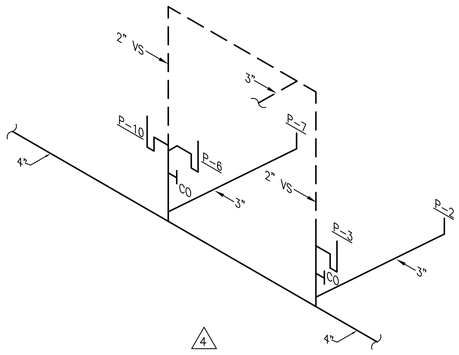
PLUMBING LEGEND

- 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

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



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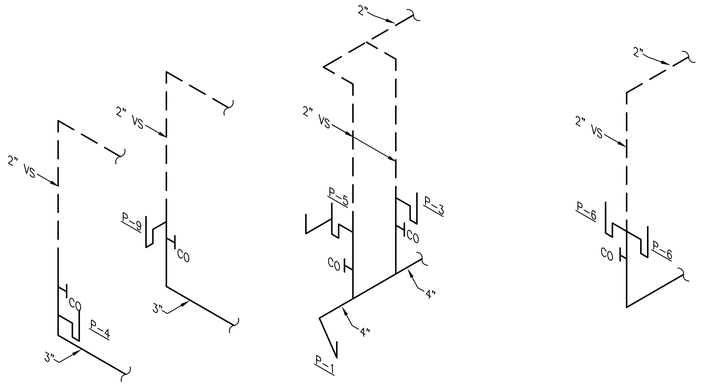

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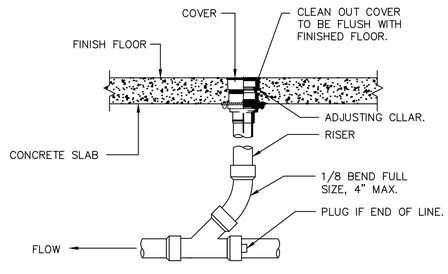
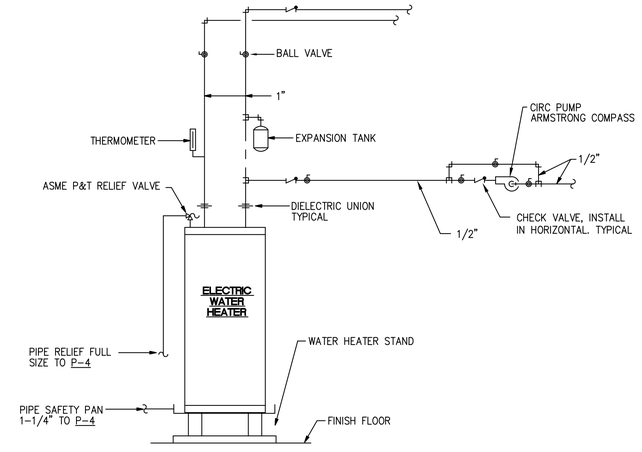


CLEAN OUT DETAIL

NO SCALE



WATER HEATER: 40 GALLON, WITH 2–4.5KW ELEMENTS, 240/1/60

DETAIL OF PIPING AT ELECTRIC WATER HEATER

NO SCALE

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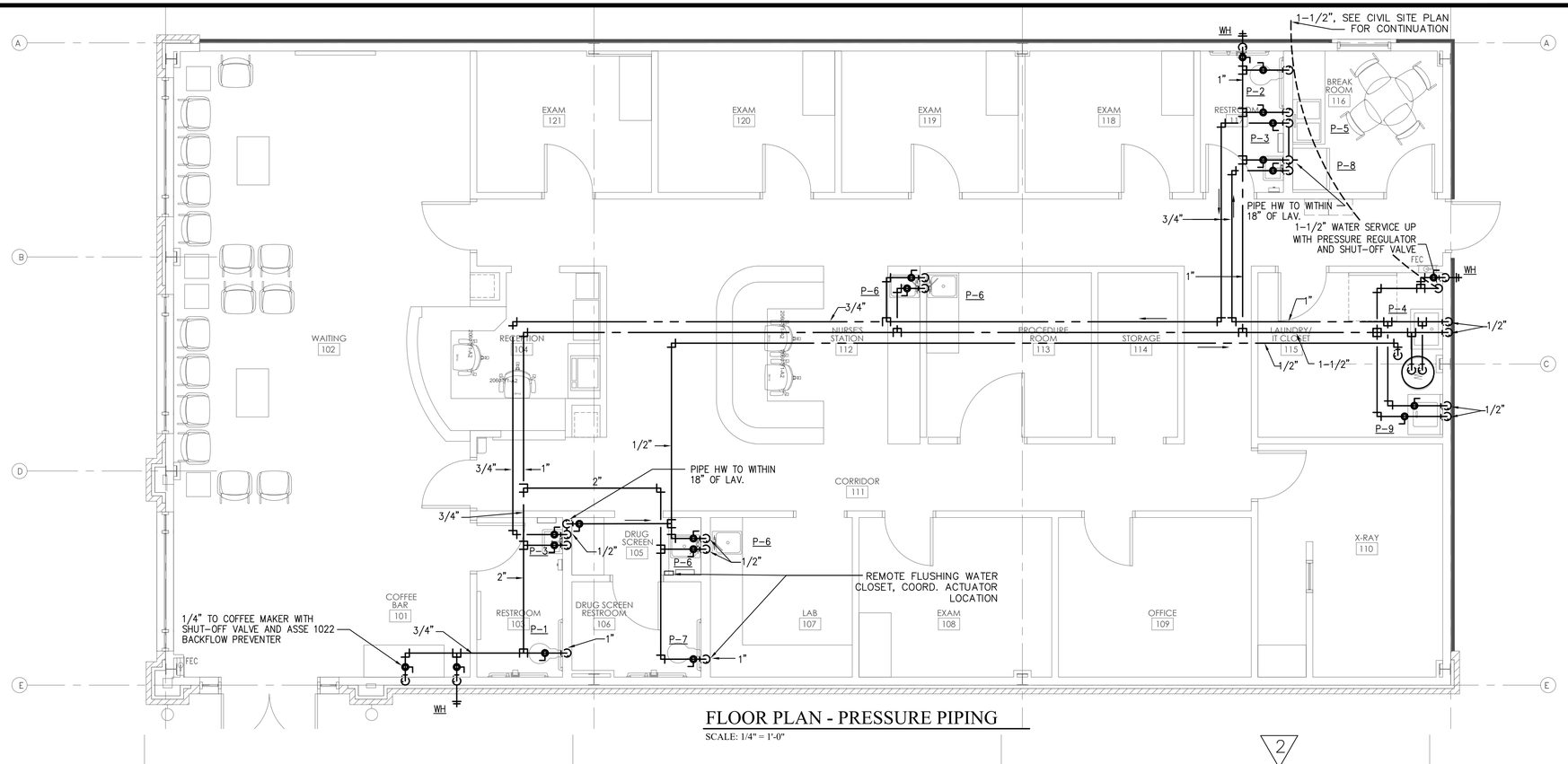
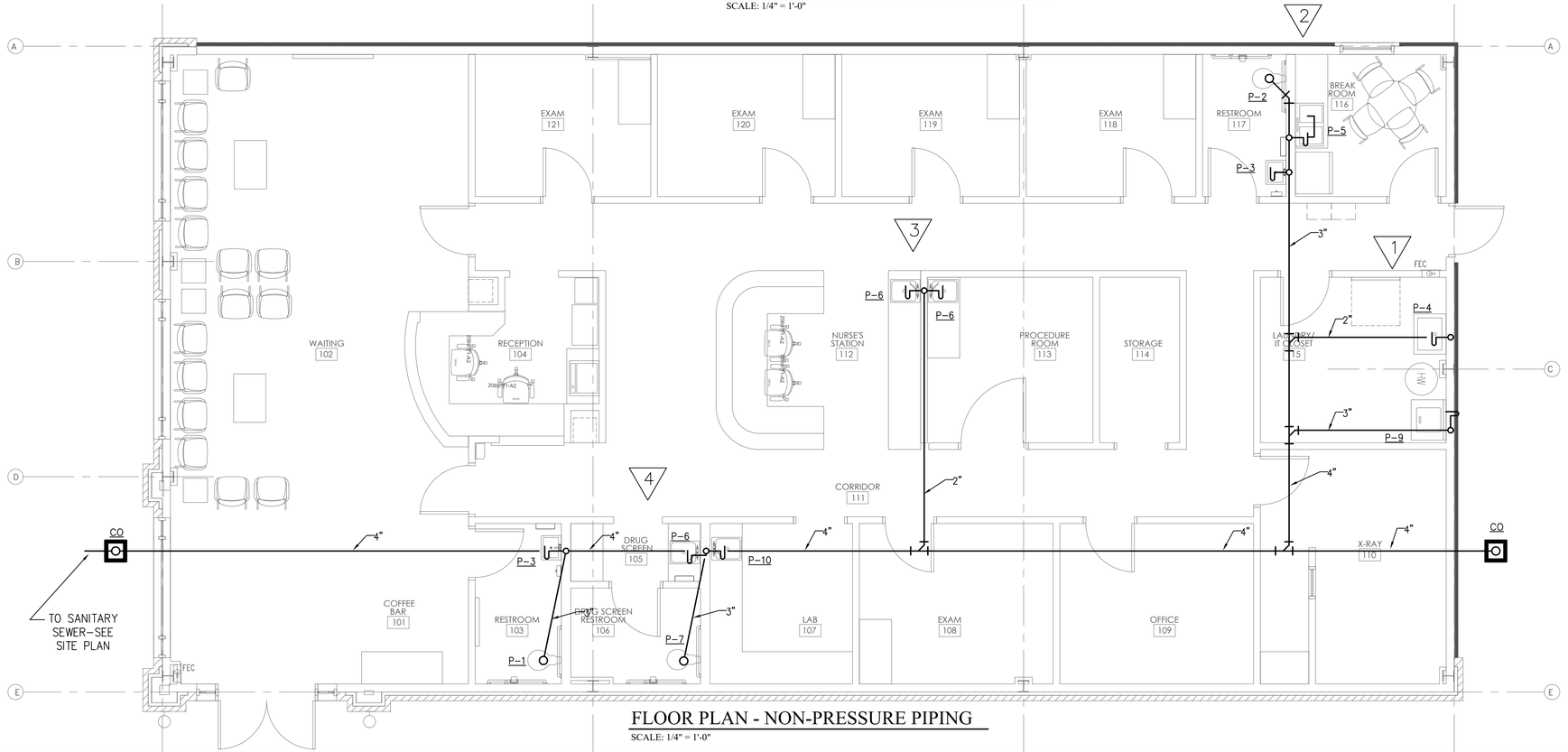
SHEET TITLE
PLUMBING SCHEDULES & DETAILS

DRAWING NO. P1.1



FLOOR PLAN - PRESSURE PIPING

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



FLOOR PLAN - NON-PRESSURE PIPING

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

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PROJECT NUMBER 22046.10

SHEET TITLE

PLUMBING PRESSURE & NON-PRESS. PLANS

DRAWING NO. P2.1

ELECTRICAL LEGEND

A ○	CEILING OUTLET: RECESSED LIGHT FIXTURE, AS NOTED, TYPE "A".
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.
GFI	WALL OUTLET: GROUND FAULT INTERRUPTER RECPTACLE, 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.
D1 ▼	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.
$ 3	WALL SWITCH: A.C. TYPE, 3-WAY, 15A., 125/277V., HUBBELL #1103 OR EQUAL. MOUNTED 48" A.F.F.
	BRANCH CIRCUIT: CONCEALED IN CEILING OR WALL.
	BRANCH CIRCUIT: CONCEALED IN OR BELOW FLOOR OR UNDERGROUND
	BRANCH CIRCUIT: HOMERUN TO PANELBOARD AND 20A., 1P., BREAKER, UNLESS OTHERWISE NOTED. SHOWN, 2#12-1/2"C. HASHMARKS INDICATE NUMBER OF CONDUCTORS WHEN GREATER THAN 2#12. THE NUMBER IN THE CIRCUIT INDICATES A.W.G. WIRE SIZE WHEN DIFFERENT THAN #12 AWG.
WP	WEATHERPROOF
C	CONDUIT RACEWAY
MAC	MOUNT ABOVE COUNTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	NON-FUSED DISCONNECT
	FUSED DISCONNECT
	RECEPTACLE PANEL: SEE SCHEDULE AND SPECIFICATIONS.
PE	PHOTOCELL, ADJUSTABLE. MOUNT LOW ENOUGH FOR LADDER ACCESS BY STAFF.

LIGHT FIXTURE SCHEDULE

MARK	DESCRIPTION	LAMPS	MANUFACTURER
EL	BATTERY POWERED EMERGENCY FIXTURE TO PROVIDE EGRESS ILLUMINATION PER IBC 1006.3	LED	COOPER# AEL2-41-BK
LGA	LED FLAT PANEL LAY-IN 2x4'	LED	METALUX# 24FP4735C
LPA	DESIGN HOUSE PRESTON ART GLASS SATIN NICKEL PENDANT WITH OPAL GLASS	1-13W-LED	HOME DEPOT# 516849/202500763
LWS	WALL SCONCE	1-13W-LED	PROGRESS LIGHTING# P5683-31EB
LDA	LED DOWNLIGHT, 6" DIAMETER,	1-13W-LED	HALO# H750ICAT/ML709830ICAT120D/494WBO6
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

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

Construction Site: Erwin, NC
Owner/Agent:
Designer/Contractor:

Additional Efficiency Package(s)

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Health Care-Clinic	3159	0.81	2559
		Total Allowed Watts =	2559

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Health Care-Clinic				
LED 2: LDA: LED Panel 41W:	1	50	41	2050
LED 3: LDA, LPA: LED A Lamp 11W:	1	9	11	99
LED 5: XA,XC: 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 — Name - Title: Hyde Engineering, Inc.
Signature
7/6/22 — Date

Project Title: Urgent Care
Data filename: C:\Users\dmorrow.HYDE-EGR\Desktop\Urgent Care
Report date: 07/06/22
Page 1 OF 1

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.

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 AMPS TRIP	DEVICE POLES	BRANCH CIRCUIT DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS) PHASE A	PHASE B		NO.	BRANCH CIRCUIT VOLT-AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE POLES	DEVICE AMPS 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
		STACKED WASHER/DRYER	2500	35	4750			36	2250	WATER HEATER		
60	2	AC-1	5616	37		5616		38		CU-1 (NON-SIMULTANEOUS)	2	30
		AC-1	5616	39	5616			40		CU-1		
60	2	AC-2	5616	41		5616		42		CU-2 (NON-SIMULTANEOUS)	2	40
		AC-2	5616	43	5616			44		CU-2		
60	2	AC-3 CKT#1	5616	45		5616		46		CU-3 (NON-SIMULTANEOUS)	2	45
		AC-3 CKT#1	5616	47	5616			48		CU-3		
25	2	AC-3 CKT#2	2400	49		2400		50		SPACE		
		AC-3 CKT#2	2400	51	2400			52		SPACE		
		SPACE		53		0		54		SPACE		
		SPACE		55	0			56		SPACE		
		SPACE		57		0		58		SPACE		
		SPACE		59	0			60		SPACE		
		TOTAL CONNECTED VA			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 AMPS TRIP	DEVICE POLES	BRANCH CIRCUIT DESIGNATION	VOLT-AMPS	NO.	PHASE LOAD (VOLT-AMPS) PHASE A	PHASE B		NO.	BRANCH CIRCUIT VOLT-AMPS	BRANCH CIRCUIT DESIGNATION	DEVICE POLES	DEVICE AMPS TRIP
20	1	LIGHTING	1000	1	2000			2	1000	LIGHTING	1	20
20	1	LIGHTING	800	3		1400		4	600	EXTERIOR LIGHTING	1	20
20	1	RECEPTACLES	800	5	1600			6	800	RECEPTACLES	1	20
20	1	RECEPTACLES	800	7		1600		8	800	RECEPTACLES	1	20
20	1	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	

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 026247 MARTHA E. HYDE
8/1/22

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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.

C. 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 TECHANICAL 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 (IMC), 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 METALIC TUBING (EMT); MINIMUM TRADE SIZE 1/2".
2. FLEXIBLE METAL CONDUIT. MINIMUM TRADE SIZE 1/2".
3. LIQUID– TIGHT FLEXIBLE METAL CONDUIT (SEALTIGHT) MINIMUN TRADE SIZE 1/2".
4. RIGID METAL CONDUIT. MINIMUM TRADE SIZE 1/2".
5. RIGID NONMETALLIC CONDUIT (PVC). SCHEDULE 40, MINIMUM TRADE SIZE 3/4".
6. METAL CLAD CABLE (MC) MINIMUM TRADE SIZE 1/2".

C. FITTINGS

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

II. INSTALLATION OF RACEWAYS

A. ALL CONDUITS SHALL BE INSTALLED CONCEALED, EXCEPT IN EQUIPMENT ROOM, CHASES OR AS INDICATED ON THE DRAWINGS. ALL CONDUITS, EXPOSED AND CONCEALED SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING LINES AND SHALL BE GROUPED TOGETHER AS MUCH AS POSSIBLE, EVEN ABOVE LAY–IN CEILINGS.

B. A SEPARATE GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL RUNS. WHERE SIZES LARGER THAN #12 AWG ARE REQUIRED BY THE NEC, THE CONDUCTOR SHALL BE SIZED AS INDICATED IN THE NEC. ALL GROUNDING CONDUCTORS SHALL HAVE A GREEN OUTER COVERING, OR GREEN MARKING TAPE OVER THEIR ENTIRE EXPOSED LENGTHS.

C. MECHANICALLY FASTEN TOGETHER METAL CONDUITS, ENCLOSURES, AND RACEWAYS FOR CONDUCTORS TO FORM A CONTINUOUS ELECTRICAL CONDUCTOR. CONNECT TO ELECTRICAL BOXES, FITTINGS AND CABINETS TO PROVIDE ELECTRICAL CONTINUITY AND FIRM MECHANICAL ASSEMBLY.

D. AVOID USE OF DISSIMILAR METALS THROUGH SYSTEM TO ELIMINATE POSSIBILITY OF ELECTROLYSIS.

E. INSTALL EXPANSION FITTINGS IN RACEWAYS EVERY 200' LINEAR RUN OR WHEREVER STRUCTURAL EXPANSION JOINTS ARE CROSSED.

F. PROVIDE NYLON PULL CORD IN ALL EMPTY CONDUITS.

G. CONDUIT INSTALLATION

1. USE RIGID METAL CONDUIT FOR ALL WEATHER EXPOSED WORK, FOR ALL STUB–UPS IN KITCHEN AREA, FOR ALL ROOF PENETRATIONS THROUGH PATE PLUGS AND FOR FREEZER/ COOLER PENETRATIONS.
2. USE E.M.T. FOR ALL INTERIOR CONCEALED AND FOR EXPOSED WORK NOT SUBJECT TO MECHANICAL INJURY.
3. USE P.V.C. FOR ALL UNDERGROUND WORK OR WORK INSTALLED IN CONCRETE. USE RIGID METAL CONDUIT ELBOW AT STUP–UP LOCATIONS.
4. USE FLEXIBLE METAL CONDUIT FROM OUTLET BOXES TO RECESSED LIGHTING FIXTURE AND FINAL 24" OF CONNECTION TO ITEMS SUBJECT TO MOVEMENT OR VIBRATION.
5. USE LIQUID–TIGHT FLEXIBLE CONDUIT FOR FINAL 24" CONNECTION TO ITEMS WHERE SUBJECTED TO ONE OR MORE OF THE FOLLOWING CONDITIONS:
   a. EXTERIOR LOCATION.
   b. MOIST OR HUMID ATMOSPHERE WHERE CONDENSATE CAN BE EXPECTED TO ACCUMULATE.
   c. CORROSIVE ATMOSPHERE.
   d. SUBJECTED TO WATER SPRAY OR DRIPPING OIL, WATER OR GREASE.
   e. FINAL CONNECTION TO ROTATING OR VIBRATING EQUIPMENT.
6. CUT CONDUITS STRAIGHT, PROPERLY REAM AND CUT THREADS FOR HEAVY WALL CONDUIT DEEP AND CLEAN.
7. FIELD BEND CONDUIT WITH BENDERS DESIGNED FOR THE PURPOSE SO AS NOT TO DISTORT NOR VARY INTERNAL DIAMETER.

CONDUCTORS

I. CONDUCTORS

A. ALL WIRE SHALL BE COPPER WITH THWN INSULATION.

B. THE USE OF ARMORED, BX, NM, OR ANY MANUFACTURED CABLE ASSEMBLY (EXCEPT MC) SHALL NOT BE INCOPORATED INTO THE WORK.

C. MC CABLE SHALL BE ACCEPTACBLE 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

C. FLUSH WITH THE FINISHED SURFACE.

D. MASONRY: FOR FLUSH MOUNTED BOXES IN EXPOSED MASONRY OR TILE, PROVIDE COVERS WITH SQUARE CORNERS ON THE RAISED PORTION AND WITH SUFFICIENT DEPTH TO TRIM OUT FLUSH WITH FINISHED SURFACE.

E. EXPOSED AND KITCHEN EQUIPMENT: PROVIDE FS OR FD BOXES WITH SUITABLE WEATHERPROOF COVERS.

III. PULL AND JUNCTION BOXES

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

IV. ACCESSORIES

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

V. INSTALLATION OF BOXES AND FITTINGS

A. POSITION RECESSED OUTLET BOXES ACCURATELY TO ALLOW FOR SURFACE FINISH THICKNESS.

B. FASTEN ELECTRICAL BOXES FIRMLY AND RIGIDLY TO SUBSTRATES OR STRUCTURAL SURFACES TO WHICH ATTACHED OR SOLIDLY EMBED ELECTRICAL BOXES IN CONCRETE OR MASONRY.

VI. LOCATIONS OF OUTLETS

A. IN GENERAL THE VARIOUS OUTLETS ARE TO BE LOCATED AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR TO THE CENTER LINE OF BOX, UNLESS NOTED OTHERWISE AT AN INDIVIDUAL OUTLET ON THE DRAWINGS:

1. WALL SWITCHES (VERT. MTD.) 48"
2. RECEPTACLES (VERT. MTD.) 18"
3. PHONE OUTLETS (VERT. MTD.) 18"
4. OUTLETS ABOVE COUNTERS (HORZ. MTD.) 6" ABOVE BACKSPLASH.

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. LEWITON 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: INCOPORATING QUICK–MAKE QUICK–BREAK TYPE SWITCHES: SWITCH BLADE SHALL BE VISIBLE IN OFF POSITION WITH THE DOOR OPEN. EQUIP. WITH OPERATING HANDLE WHICH IS INTERGRAL PART OF ENCLOSURE BASE AND WHOSE OPERATING POSITION IS CLEARLY INDICATED AND IS PADLOCKABLE IN THE OFF POSITION. CONSTRUCT CURRENT CARRYING PARTS OF HIGH–CONDUCTIVITY COPPER AND SILVER– TUNGSTEN TYPE SWITCH CONTACTS. PROVIDE NEMA TYPE 3R ONLY.

PANELBOARDS

I. DESCRIPTION OF WORK

A. TYPES OF PANELBOARDS FOR THIS PROJECT ARE AS FOLLOWS:

1. 120/240V–1 PHASE 3W–SN.

II. ACCEPTABLE MANUFACTURERS

1. GENERAL ELECTRIC (TYPE AQ)

III. PANELBOARDS

A. PROVIDE DEAD–FRONT SAFETY CONSTRUCTED FACTORY–ASSEMBLED CIRCUIT BREAKER TYPE PANELBOARDS IN SIZES AND RATINGS AS INDICATED. EQUIP. WITH PANELBOARD UNIT DEVICE, OF TYPES, RATINGS AND CHARACTERISTICS INDICATED. BUSS STRUCTURE AND MAIN LUGS OR MAIN BREAKER SHALL HAVE CURRENT RATINGS AS SHOWN ON THE PANELBOARD SCHEDULE, SUCH RATINGS SHALL BE ESTABLISHED BY TEST CONDUCTED IN ACCORDANCE WITH UNDERWRITERS LABORATORIES STANDARD UL 67. THE USE OF CONDUCTOR DIMENSIONS WILL NOT BE ACCEPTED IN LIEU OF ACTUAL HEAT TEST. BUS BAR CONNECTIONS TO THE BRANCH CIRCUIT BREAKERS SHALL BE "PHASE–SEQUENCE" TYPE. THREE–PHASE, FOUR WIRE BUSSING SHALL BE SUCH THAT ANY THREE ADJACENT SINGLE–POLE BREAKERS ARE INDIVIDUALLY CONNECTED TO EACH OF THE THREE DIFFERENT PHASES IN SUCH A MANNER THAT TWO OR THREE–POLE BREAKERS CAN BE INSTALLED AT ANY LOCATION. ALL CURRENT CARRYING PARTS OF THE BUSS ASSEMBLY SHALL BE PLATED COPPER WITH CONDUCTIVITY OF NOT LESS THAN 98%

B. PANELBOARD ENCLOSURE: PROVIDE GALVANIZED SHEET STEEL CABINET TYPE ENCLOSURES, IN SIZES AND NEMA TYPES AS INDICATED, CODE GAUGE MINIMUM 16–GAUGE THICKNESS. CONSTRUCT WITH MULTIPLE KNOCKOUTS AND WIRING GUTTERS. PROVIDE FRONTS WITH ADJUSTABLE TRIM CLAMPS, AND DOORS WITH FLUSH LOCKS AND KEYS, ALL PANELBOARD ENCLOSURES KEYED ALIKE, WITH CONCEALED PIANO DOOR HINGES. EQUIP WITH INTERIOR CIRCUIT DIRECTORY FRAME, AND CARD WITH CLEAR PLASTIC COVERING. PROVIDE BAKED GRAY ENAMEL FINISH OVER A RUST INHIBITOR COATING. PROVIDE ENCLOSURES FABRICATED BY SAME MANUFACTURER AS PANELBOARDS. MINIMUM DEPTH OF 5–3/4" & MINIMUM WIDTH OF 20" FOR "NQ" PANELS.

LIGHTING FIXTURES

I. LIGHTING FIXTURES

A. HANDLE LIGHTING FIXTURES CAREFULLY TO PREVENT DAMAGE, BREAKING AND SCORING. DO NOT INSTALL DAMAGED FIXTURES OR COMPONENTS, REPLACE WITH NEW.

B. STORE LIGHTING FIXTURES IN A CLEAN DRY PLACE. PROTECT FROM WEATHER, DIRT, FUMES, WATER CONSTRUCTION DEBRIS AND PHYSICAL DAMAGE.

C. SHIP FIXTURES FACTORY ASSEMBLED, WITH PARTS REQUIRED FOR A COMPLETE INSTALLATION.

D. FLUORESCENT BALLAST SHALL BE CLASS P ELECTRONIC, LOW–ENERGY RAPID START SOUND RATED A.

E. PROVIDE HID LAMP BALLAST CAPABLE OF OPERATING LAMP TYPES WITH RATINGS INDICATED, REACTOR TYPE, HIGH POWER FACTOR CORE AND COIL ASSEMBLY ENCAPSULATED IN NON MELT RESIN, INSTALL CAPACITOR OUTSIDE BALLAST ENCAPSULATION FOR EASY FIELD REPLACEMENT.

F. PROVIDE FLUORESCENT LAMPS OF TYPES INDICATED.

G. PROVIDE HID LAMPS IN WATTAGES AND TYPES INDICATED.

H. PROVIDE INCANDESCENT LAMPS IN THE SIZES AND RATED AS INDICATED AND 130 VOLT RATED.

I. PROVIDE FIXTURES AND/OR FIXTURE OUTLET BOXES WITH HANGERS TO PROPERLY SUPPORT FIXTURE WEIGHT.

J. INSTALL FLUSH MOUNTED FIXTURES TO ELIMINATE LIGHT LEAKAGE BETWEEN FRAME AND FINISHED SURFACE.

K. AT DATE OF SUBSTANTIAL COMPLETION REPLACE LAMPS IN ALL FIXTURES WHICH ARE OBSERVED TO BE INOPERATIVE OR NOTICEABLY DIMMED AFTER CONTRACTORS USE AS JUDGED BY THE OWNER'S REPRESENTATIVE

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8/1/22

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RELEASES / DESCRIPTION / DATES

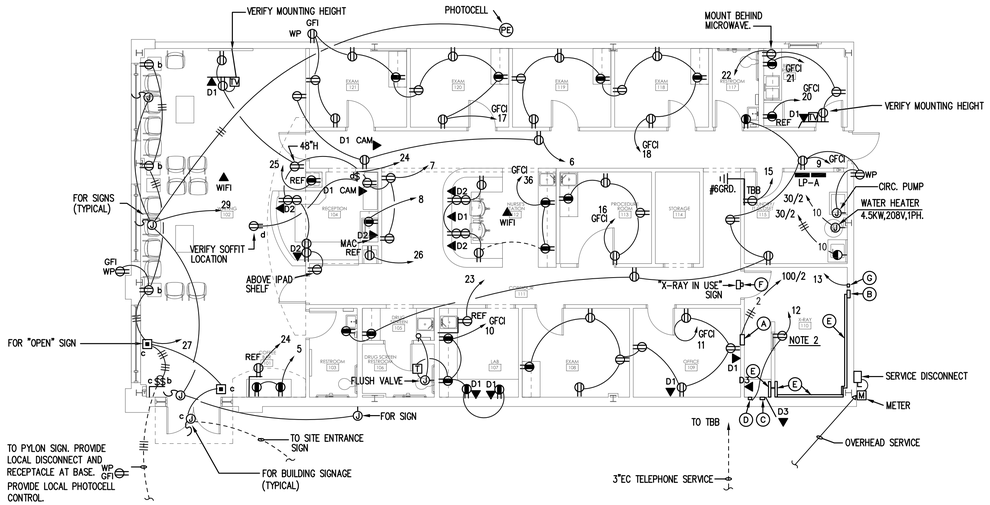
NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE	06.30.2022
DRAWN	DBM
CHECKED	RTH
APPROVED	H+HA

PROJECT NUMBER 22046.10

SHEET TITLE
ELECTRICAL SPECIFICATIONS

DRAWING NO. E0.2



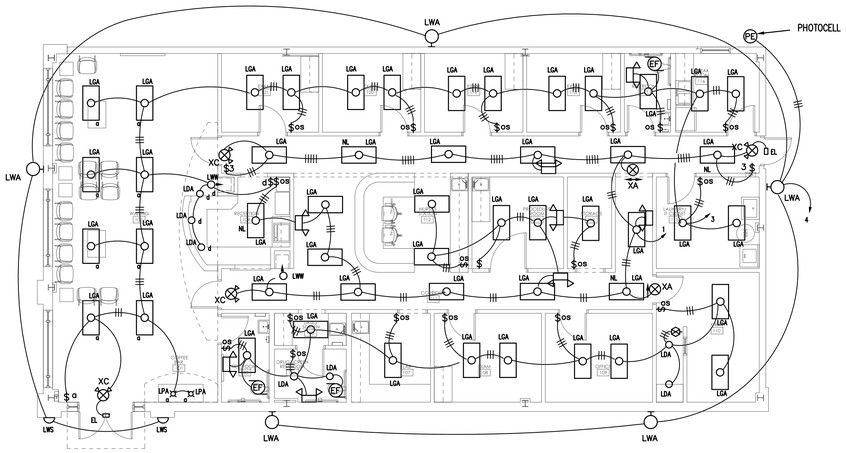
FLOOR PLAN — POWER & AUXILIARY

0 2' 4' 8' 16'

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.



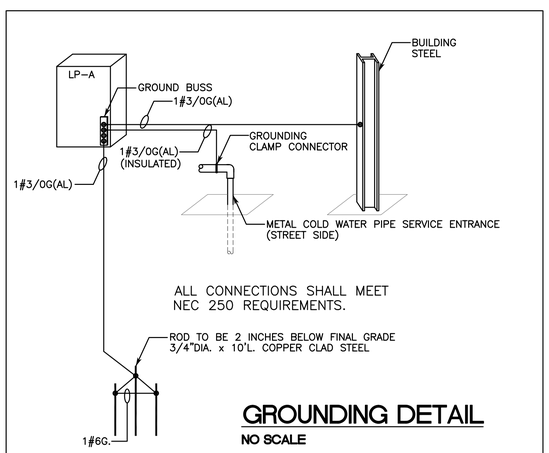
FLOOR PLAN — LIGHTING

0 2' 4' 8' 16'

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

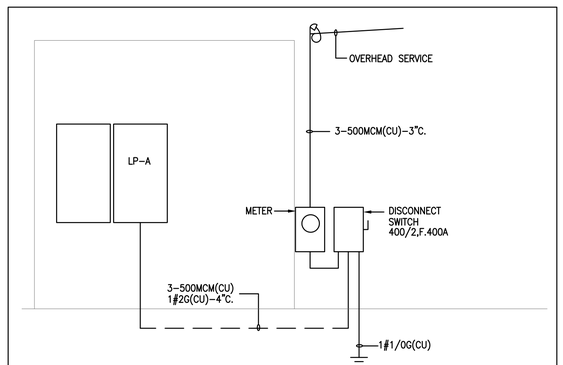
NOTES:

1. VERIFY PLACEMENT OF LWA FIXTURES WITH OWNER.



GROUNDING DETAIL

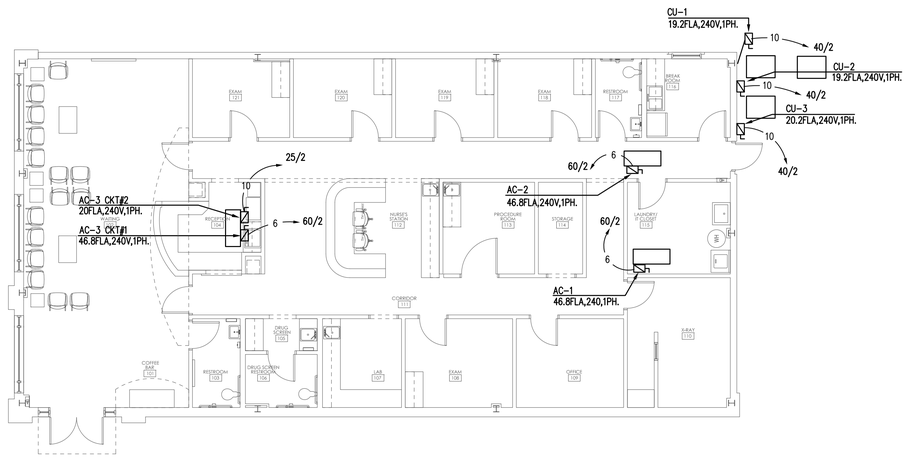
NO SCALE



SINGLE LINE DIAGRAM

POWER DISTRIBUTION

NO SCALE



FLOOR PLAN — HVAC POWER

0 2' 4' 8' 16'

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

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 026247 MARTHA E. HYDE
8/1/22

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PROJECT NUMBER 22046.10

SHEET TITLE
ELECTRICAL FLOOR PLANS

DRAWING NO. E2.1