JACKSON PHYSICAL THERAPY CENTER

3030 Hospital Drive
Marianna, FL 32446

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Suite 228
Clearwater, FL. 33764
727.530.0570
www.masonblau.com

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4250 HOSPITAL DRIVE
MARIANNA, FLORIDA 34226

CONSTRUCTION DOCUMENTS
4/17/2025
MBA#24011

CIVIL
DHM-Melvin Engineering
4428 Lafayette Street
Marianna, FL 32446
850.482.3045
www.melvineng.com

STRUCTURAL
Pennoni
1705 South Gadsden Street
Suite 100
Tallahassee, FL 32301
00004187
850.536.8140
www.pennoni.com

MECHANICAL, PLUMBING, & ELECTRICAL
I.C. Thomasson Associates, Inc.
3031 N. Rocky Point Drive W.
Suite 750
Tampa, FL 33607
EB-01276
813.882.4415
www.icthomasson.com

INTERIOR
Janet Ott Interior Design
515 Longfellow Court, Unit B
Safety Harbor, FL 34695
727.461.5688
janetottinc.com

ACOUSTIC ENGINEER
Keane Acoustics
1859 Eau Claire Ct.
Oldsmar, FL 34677
727.644.3445
keaneacoustics@aol.com

AQUATIC ENGINEER
G.B. Collins Engineering P.A.
32707 US Hwy. 19 North
Palm Harbor, FL 34684
727.442.8443
gardnercollins.com

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Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:
3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

# REVISIONS		
No.	Description	Date

Drawing Title:
COVER

STANDARD ABBREVIATIONS

&	- AND	EXT	- EXTERIOR	**P**	
∠	- ANGLE	**F**		PC	- PORTLAND CEMENT, POINT OF CURVE, POLYCARBONATE
@	- AT	FAB	- FABRIC		
℄	- CENTER LINE	FD	- FLOOR DRAIN	PCC	- PRECAST CONCRETE
∅	- DIAMETER OR ROUND	FDTN	- FOUNDATION	PERIM	- PERIMETER
#	- NUMBER OR POUND	FE	- FIRE EXTINGUISHER	PJ	- PROJECTOR
A		FEC	- FIRE EXTINGUISHER CABINET	PL	- PLATE, PLASTIC LAMINATE
AB	- ANCHOR BOLT	FF	- FINISH FLOOR	PLAS	- PLASTER
ACST	- ACOUSTIC(AL)	FHC	- FIRE HOSE CABINET	PLBG	- PLUMBING
ADDL	- ADDITIONAL	FIN	- FINISH	PLYWD	- PLYWOOD
ADDN	- ADDITION	FLASH	- FLASHING	PS	- PROJECTION SCREEN
ADH	- ADHESIVE	FLP	- FLOOR PATTERN	PSF	- POUNDS PER SQUARE FOOT
ADJ	- ADJACENT, ADJOINING, ADJUSTABLE	FLR	- FLOOR	PT	- PAINT
AED	- AUTOMATED EXTERNAL DEFIBRILLATOR	FRP	- FIBER REINFORCED PLASTIC	PTD	- PAPER TOWEL DISPENSER
A AFF	- ABOVE FINISH FLOOR	FTG	- FOOTING	PTDR	- PAPER TOWEL DISPENSER & RECEPTACLE
ALT	- ALTERNATE	FURG C	- FURRING CHANNEL		
ALUM	- ALUMINUM	FURN	- FURNACE	PTN	- PARTITION
ANCH	- ANCHOR	FWC	- FABRIC WALLCOVERING	PTR	- PAPER TOWEL RECEPTACLE
ANOD	- ANODIZE(D)	**G**		PVC	- POLYVINYL CHLORIDE
AP	- ACCESS PANEL	GA	- GAGE, GAUGE	**R**	
APC	- ACOUSTICAL PANEL CEILING	GALV	- GALVANIZED	RCP	- REFLECTED CEILING PLAN
APPROX	- APPROXIMATE	GB	- GRAB BAR	RD	- ROOF DRAIN, ROAD
ASPH	- ASPHALT	GFRC	- GLASS-FIBER REINFORCED CONCRETE	REF	- REFERENCE, REFRIGERATOR
AUTO	- AUTOMATIC	GL	- GLASS	REINF	- REINFORCE
AVE	- AVERAGE	GL BLK	- GLASS BLOCK	REQD	- REQUIRED
AWT	- ACOUSTICAL WALL TREATMENT	GLZ CMU	- GLAZED CONCRETE MASONRY UNIT	RF	- RESILIENT FLOORING
B		GRFG	- GLASS-FIBER REINFORCED GYPSUM	RFG	- ROOFING
BAL SHT	- BALANCE SHEET	GT	- GROUT	RFM	- REMOVABLE FLOOR MAT
BC	- BRICK COLOR	GWH	- GAS FIRED WATER HEATER	RH	- RIGHT HAND
BCS	- BABY CHANGING STATION	GYP BD	- GYPSUM WALL BOARD	RO	- ROUGH OPENING
BD	- BOARD	**H**		RSF	- RESINOUS FLOORING
BG	- BUMPER GUARD	H	- HIGH, HATCH (ROOF)	RST	- REINFORCING STEEL
BITUM	- BITUMINOUS	HB	- HOSE BIB	RTF	- RESILIENT TILE FLOORING
BLDG	- BUILDING	HDNR	- HARDENER	RV	- ROOF VENT, ROOF VENTILATOR
BLKG	- BLOCKING (WOOD)	HDW	- HARDWARE	**S**	
BOT	- BOTTOM	HDWD	- HARDWOOD	SC	- SEALED CONCRETE
BRDG	- BRIDGING	HM	- HOLLOW METAL	SCHED	- SCHEDULE
BRG	- BEARING	HORIZ	- HORIZONTAL	SCR	- SHOWER CURTAIN ROD
BRK PV	- BRICK PAVERS	HR	- HANDRAIL	SCWD	- SOLID CORE WOOD DOOR
BRKT	- BRACKET	HT	- HEIGHT	SD	- SOAP DISPENSER
BSMT	- BASEMENT	HTG	- HEATING	SECT	- SECTION
BTWEN	- BETWEEN	HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING	SF	- STOREFRONT
BUR	- BUILT UP ROOFING			SH	- SHINGLES, SINGLE HUNG (WINDOW)
C		**I**			
CAB	- CABINET	ID	- INSIDE DIAMETER, INSIDE DIMENSION	SHT	- SHEET
CB	- CHALKBOARD	IF	- INSIDE FACE	SHTHG	- SHEATHING
CC	- CUBICLE CURTAIN	INCL	- INCLUDED	SHV	- SHELVING
CCT	- CUBICLE CURTAIN TRACK	INSUL	- INSULATION	SLNT	- SEALANT
CFMF	- COLD-FORMED METAL FRAMING	INT	- INTERIOR	SND	- SANITARY NAPKIN DISPENSER
CG	- CORNER GUARD	INVERT		SNDU	- SANITARY NAPKIN DISPOSAL UNIT
CH	- COAT HOOK	**J**		SOG	- SLAB ON GRADE
B CIP CONC	- CAST-IN-PLACE CONCRETE	JT	- JOINT	SPCG	- SPACING
CJ	- CONTROL JOING, CONSTRUCTION JOINT	**K**		SPEC	- SPECIFICATION
CLG	- CEILING	KD	- KNOCKED DOWN	SPKR	- SPEAKER
CLR	- CLEAR	KOP	- KNOCK OUT PANEL	SQ	- SQUARE
CMU	- CONCRETE MASONRY UNIT			SS	- SERVICE SINK , SOLID SURFACING
CNTR	- COUNTER	**L**		SST	- STAINLESS STEEL, SHOWER SEAT
CO	- CLEAN OUT, CASED OPENING	LAM	- LAMINATE(D)	STD	- STANDARD
COL	- COLUMN	LAV	- LAVATORY	STL	- STEEL
COMB	- COMBINATION, COMBINED	LH	- LEFT HAND	STL JST	- STEEL JOIST
COMP	- COMPRESSIBLE	LINO	- LINOLEUM	STL LNTL	- STEEL LINTEL
COMPT	- COMPARTMENT	LKR	- LOCKER	STL PL	- STEEL PLATE
CONC	- CONCRETE	LL	- LIVE LOAD, LOW LEVEL	STL RF DK	- STEEL ROOF DECK
CONC CTG	- CONCRETE COATING	LLH	- LONG LEG HORIZONTAL	STL TR	- STEEL TRUSS
COND	- CONDITION	LLV	- LONG LEG VERTICAL	STN	- STAIN
CONT	- CONTINUOUS	LT	- LIGHT	STRUCT	- STRUCTURAL
CONTR	- CONTRACTOR	LVL	- LEVEL	SUSP	- SUSPEND
CORR	- CORRIDOR	LVR	- LOUVER	SV	- SHEET VINYL
CPRS	- COMPRESSIBLE	**M**		SWP	- SHEET WALL PROTECTION
CPT	- CARPET	MAS	- MASONRY	SYMM	- SYMMETRICAL
CR	- CLOSET ROD	MATL	- MATERIAL	SYNTH	- SYNTHETIC
CRL	- CRASH RAIL	MAX	- MAXIMUM	**T**	
CRS	- COLD-ROLLED STEEL	MB	- MARKERBOARD	T	- TILE, TREAD
CTR	- CENTER(S)	MBH	- MOB/BROOM HOLDER	T&G	- TONGUE AND GROOVE
CUH	- CABINET UNIT HEATER	MECH	- MECHANICAL	T/S	- TUB/SHOWER
CUV	- CABINET UNIT VENTILATOR	MED	- MEDIUM	TB	- TOWEL BAR, TACKBOARD
CW	- CURTAINWALL	MEZZ	- MEZZANINE	TC	- TOILET COMPARTMENT
D		MFR	- MANUFACTURER	TD	- TRENCH DRAIN
D	- DEEP, DEPTH, PENNY NAIL	MH	- MANHOLE	TER	- TERRAZZO
DC	- DISPLAY CASE	MI	- MIRROR	THK	- THICK
DET	- DETAIL	MIN	- MINIMUM, MINUTE	TOB	- TOP OF BEAM
DETN	- DETENTION	MISC	- MISCELLANEOUS	TOC	- TOP OF CONCRETE, TOP OF CURB
DF	- DRINKING FOUNTAIN	MO	- MASONRY OPENING	TOF	- TOP OF FOOTING
DIA	- DIAMETER	MOD	- MODEL, MODULE, MODULAR	TOM	- TOP OF MASONRY
DIM	- DIMENSION	MSB	- MOP SERVICE BASIN	TOS	- TOP OF SLAB, TOP OF STEEL
DN	- DOWN	MT	- MOUNT	TOW	- TOP OF WALL
DP	- DECORATIVE PANEL	MTL	- METAL	TPH	- TOILET PAPER HOLDER
DR	- DOOR	**N**		TR	- TOWEL RACK
DS	- DOWNSPOUT	NDU	- NEEDLE DISPOSAL UNIT	TS	- TUBE STEEL, TRANSITION STRIP
C DWG	- DRAWING(S)	NIC	- NOT IN CONTRACT, NOISE ISOLATION CLASS	**U**	
E				UNO	- UNLESS NOTED OTHERWISE
EHD	- ELECTRIC HAND DRYER	NO	- NUMBER	**V**	
EJ	- EXPANSION JOINT	NOM	- NOMINAL	VCT/VT	- VINYL COMPOSITION TILE
EL	- ELEVATION	NTS	- NOT TO SCALE	VERT	- VERTICAL
ELEC	- ELECTRIC, ELECTRICAL	**O**		VIF	- VERIFY IN FIELD
ELEV	- ELEVATOR	OA	- OVERALL	VWC	- VINYL WALL COVERING
EMBED	- EMBEDMENT	OC	- ON CENTER	VWE	- VERIFY WITH EQUIPMENT
EMER	- EMERGENCY	OD	- OUTSIDE DIAMETER, OUTSIDE DIMENSION	**W**	
EPDM	- ETHYLENE PROPYLENE DIENE MONOMER	OF	- OUTSIDE FACE	W	- WIDE, WEST
EQ	- EQUAL	OFD	- OVERFLOW DRAIN	WC	- WALL COVERING
EQUIP	- EQUIPMENT	OH	- OVERHEAD	WD	- WOOD, WOOD DOOR
ES	- EXPOSED STRUCTURE	OH DR	- OVERHEAD DOOR	WDW	- WINDOW
EW	- EACH WAY	OP	- OPERABLE PARTITION	WP	- WALL PATTERN, WATERPROOFING
EWC	- ELECTRIC WATER COOLER	OPH	- OPPOSITE HAND	WT	- WEIGHT, WINDOW TREATMENT
EWH	- ELECTRIC WATER HEATER	OPNG	- OPENING	WWF	- WELDED WIRE FABRIC
EXIST	- EXISTING	OPP	- OPPOSITE		
EXP	- EXPANSION	OS	- OVERFLOW SCUPPER		

GENERAL NOTES

X1-NOTE 01/19/24

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND EACH OF HIS SUBCONTRACTORS TO REVIEW ALL DRAWINGS, SPECIFICATIONS, ADDENDA, ETC. TO ASSURE COORDINATION OF ALL WORK AFFECTING EACH TRADE. FAILURE TO REVIEW ALL CONTRACT DOCUMENTS FOR APPLICABLE ITEMS OF WORK SHALL NOT RELIEVE THE RESPONSIBLE PARTY FROM PERFORMING ALL WORK SO REQUIRED.

1. DRAWINGS - THESE DRAWINGS SHOULD NOT BE SCALED, BUT RATHER REFER TO DIMENSIONS INDICATED, ACTUAL SIZES OF CONSTRUCTION ITEMS, OR OTHER METHOD OF LOCATING CONSTRUCTION. WHERE NO DIMENSION OR METHOD OF DETERMINING A LOCATION IS GIVEN, VERIFY CORRECT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
2. DIMENSIONS - INTERIOR DIMENSIONS, UNLESS NOTED OR SHOWN OTHERWISE, SHALL BE TO FACE OF FINISH NEW INTERIOR PARTITIONS OR SHALL BE FROM CENTER LINE OF NEW INTERIOR METAL STUD PARTITION AND CENTER OF CONSTRUCTION LINES, AND FROM FACE OF EXISTING PARTITIONS, CONCRETE AND CMU PARTITIONS. DIMENSIONS INDICATED AS CLEAR SHALL BE A MINIMUM DIMENSION, FROM FACE TO FACE OF FINISH PARTITION. EXTERIOR DIMENSIONS, UNLESS NOTED OR SHOWN OTHERWISE, SHALL BE FROM FACE OF EXISTING WALL, FACE OF NEW WALL, AND TO CONSTRUCTION CENTERLINES.
3. N.I.C. ITEMS - ALL ITEMS MARKED N.I.C. (NOT IN CONTRACT) ARE TO BE FURNISHED BY THE OWNER. CONSULT THE OWNER FOR ANY ADDITIONAL REQUIRED INFORMATION NOT SHOWN. REFER TO EQUIPMENT SCHEDULE FOR OWNER FURNISHED EQUIPMENT.
4. PARTITIONS - REFER TO PARTITION LEGEND, DETAILS, AND NOTES ON A13 SERIES OF SHEETS.
5. ALL SMOKE BARRIERS, FIRE RATED WALLS AND PARTITIONS, HORIZONTAL EXITS, AND EXIT PASSAGEWAY PARTITIONS SHALL BE CONSTRUCTED PRIOR TO THE CONSTRUCTION OF INTERVENING WALLS. (FBC 449.3.4.5 8TH ED. 2023)
6. EQUIPMENT - VERIFY ANY REQUIREMENTS FOR ROUGH-IN OR CONNECTION WITH EQUIPMENT MANUFACTURER PRIOR TO CONSTRUCTION TO ASSURE CORRECT INSTALLATION, OPENINGS, MECHANICAL, ELECTRICAL, BLOCKING, ETC.
7. DUCTS, PIPES, CONDUIT, ETC. - ALL VERTICAL AND HORIZONTAL DUCTS, PIPES, CONDUIT, ETC. (WHETHER SHOWN OR NOT) IN FINISHED ROOMS SHALL BE LOCATED IN WALLS. ITEMS THAT CANNOT BE LOCATED IN WALLS SHALL BE FURRED IN AND FINISHED TO MATCH ADJACENT FINISHED SURFACES AND ANY REQUIRED WALL OR CEILING RATINGS. VERIFY ACCEPTABILITY WITH ARCHITECT PRIOR TO ENCASEMENT.
8. BLOCKING - ALL BLOCKING WITHIN THE BUILDING ENVELOPE SHALL BE GALVANIZED METAL SO AS TO BE NON-COMBUSTIBLE. ALL BLOCKING OUTSIDE THE BUILDING ENVELOPE SHALL BE PRESSURE TREATED. ISOLATE PRESSURE TREATED WOOD FROM METAL FRAMING WITH 15# FELT AND USE CORROSION RESISTANT FASTENERS TO MINIMIZE GALVANIC ACTION.
9. COORDINATION - GENERAL CONTRACTOR SHALL COORDINATE REQUIREMENTS OF ALL TRADES TO ALLOW FOR TIMELY INCLUSION IN THE WORK AS REQUIRED, SO AS NOT TO DELAY THE WORK OR THE WORK OF ANY SUBCONTRACTOR.
10. SPECIFICATIONS - REFER TO THE SPECIFICATIONS BOOK FOR SPECIFICATIONS OF ITEMS. REQUIREMENTS OF THE SPECIFICATIONS APPLY TO ALL ASPECTS OF THE WORK AND ARE INCLUDED AS ADDITIONAL INFORMATION FOR EACH ITEM SO SPECIFIED. IF DISCREPANCIES EXIST BETWEEN SPECIFICATIONS AND DRAWINGS, THE MORE STRINGENT REQUIREMENT SHALL PREVAIL. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES TO OBTAIN CLARIFICATION.
11. MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL - REFER TO DRAWINGS AND SPECIFICATIONS BY EACH DISCIPLINE AS INCLUDED HEREIN. COORDINATE ALL ASPECTS BETWEEN DISCIPLINES. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. FIELD VERIFY ALL REQUIREMENTS AS NECESSARY.
12. THERE SHALL BE A MINIMUM CLEARANCE OF 4" BETWEEN ALL CONDUIT, PIPING, AND DUCTWORK THAT IS PARALLEL OR ADJACENT TO ALL FIRE AND FIRE/SMOKE RATED WALLS TO FACILITATE THE INSPECTION OF THESE WALLS. (FBC 449.3.4.8 8TH ED. 2023)
13. SITE USAGE - USE OF THE SITE FOR ANY CONSTRUCTION STAGING OR OTHER OPERATIONS SHALL BE COORDINATED WITH THE OWNER. TAKE CARE NOT TO BLOCK OR ADVERSELY AFFECT ANY PUBLIC OR ADJACENT OWNER AREAS, OR OTHER AREAS NOT WITHIN THE CONSTRUCTION LIMITS.
14. FIRE PROTECTION - THE FIRE SPRINKLER SUBCONTRACTOR SHALL NOT ALTER THE APPROVED FIRE PROTECTION DRAWINGS OR THE DESIGN UNLESS APPROVED BY A.H.C.A. AND THE FIRE PROTECTION ENGINEER OF RECORD, APPROVED SPRINKLER SHOP DRAWINGS SHALL BE AVAILABLE ON SITE AT ALL TIMES.
15. FINISHES - ALL FINISHES AND COLORS OF FIXTURES, EQUIPMENT, LIGHTS, DIFFUSERS, SINKS, PAINT, WALLCOVERING, ETC., SHALL BE SELECTED BY ARCHITECT. SUBMIT FULL RANGE OF AVAILABLE FINISHES TO ARCHITECT FOR SELECTION. REFER TO FINISH SCHEDULE AND NOTES.
16. EXISTING CONDITIONS-THE EXISTING DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS ARE ASSUMED BY THE ARCHITECT BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS ON THE JOB SITE AND NOTIFY THE ARCHITECT OF DEVIATIONS FROM THESE DRAWINGS.
17. CONSTRUCTION SCHEDULING - ALL WORK SHALL BE COORDINATED WITH THE OWNER TO ALLOW CONTINUOUS OPERATION OF ADJACENT AREAS. WHENEVER WORK IS REQUIRED IN ADJACENT AREAS TO CONNECT WORK UNDER THIS CONTRACT, THE OWNER SHALL BE NOTIFIED A MINIMUM OF ONE (1) WEEK IN ADVANCE SO THAT AN APPROPRIATE TIME MAY BE SCHEDULED. ALSO, NOTIFY THE OWNER ONE (1) WEEK IN ADVANCE WHEN PERFORMING WORK THAT MAY DISTURB FUNCTIONS IN ADJACENT AREAS OR LEVELS, SUCH AS DEMOLITION, DRILLING, CUTTING FLOOR TRACK, ETC. GENERAL CONTRACTOR SHALL GOVERN ALL SUBCONTRACTORS TO PERFORM BY THE ABOVE REQUIREMENTS.
18. PRECAUTIONS - DO NOT PROCEED WITH WORK IF UNFORESEEN CONDITIONS ARE DISCOVERED WHICH COULD CAUSE ADVERSE EFFECTS UPON THE STRUCTURE OR ITS OCCUPANTS. REPORT ANY SUCH CONDITION IMMEDIATELY TO THE ARCHITECT. TAKE PRECAUTIONS TO PROPERLY SUPPORT THE STRUCTURE. THE CONTRACTOR SHALL REPORT ALL TOXIC MATERIALS LOCATED TO THE OWNER, ARCHITECT, AND AUTHORITIES HAVING JURISDICTION. REMOVAL OF MATERIAL WILL BE COMPLETED PER APPROVED MEANS BEFORE CONSTRUCTION CONTINUES.
19. NEW / EXISTING - NEW WORK SHALL ALIGN WITH AND MATCH EXISTING WORK EXCEPT WHERE OTHERWISE DIMENSIONED OR DETAILED.
20. SAFETY - PROVIDE, ERECT, AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE REGULATORY AGENCIES TO PROTECT OCCUPANTS OF BUILDING AND WORKERS.
21. RELOCATION - WHERE REQUIRED DUE TO JOB CONDITIONS ALTERING EXISTING WORK, RELOCATE ANY MECHANICAL, PLUMBING, ELECTRICAL OR OTHER ITEM TO ALLOW FOR NEW CONSTRUCTION AND MAINTAIN FUNCTION AND APPEARANCE OF EXISTING CONSTRUCTION. ITEMS INCLUDE, BUT ARE NOT LIMITED TO, SWITCHES, CONDUIT, PIPING, DUCTS, DAMPERS, FLOOR, BASE, FINISHES, FIXTURES, ETC.
22. EXIT ACCESS - MAINTAIN FREE, SAFE, AND APPROVED MEANS OF EGRESS IN AND OUT OF PROJECT LOCATION AND EXISTING OCCUPIED BUILDING IN ACCORDANCE WITH REQUIREMENTS OF APPLICABLE REGULATORY AGENCIES.
23. CONTRACTOR SHALL INSTALL FLANDERS-PRECISIONAIRE 1" THICK, HRS - 1DT, FLAT PANEL AIR FILTERS (MERV-13) ON ALL RETURN AIR GRILLS IN ALL WORK AREAS. CUT FILTER TO SIZE AND TAPE TO GRILL. CHANGE FILTERS A MINIMUM OF ONCE A WEEK, MORE AS CONDITIONS REQUIRE.
24. THE USE OF HAMMER-DRILLS SHALL BE PERMITTED IN ALL AREAS OF THE FACILITY. POWER ACTUATED FASTENING SYSTEMS ARE STRICTLY PROHIBITED UNLESS APPROVED OTHERWISE.
25. DUE CARE TO WORK IN A CLEAN MANNER IS REQUIRED ON THIS SITE. OIL RESIDUE, DIRT, DUST, SMUDGES, ETC., PRODUCED AS A RESULT OF WORK PERFORMED SHALL BE CLEANED TO ORIGINAL CONDITIONS. ALL REPAIRS AND MATERIALS SHALL BE AT THE COST OF THE CONTRACTOR.
26. CONTRACTOR SHALL COORDINATE ALL WORK WITH MECHANICAL, PLUMBING, FIRE PROTECTION, MEDICAL GAS, AND ELECTRICAL DRAWINGS.
27. IT IS THE INTENT OF THE CONTRACT DOCUMENTS THAT ALL RATED WALLS IN THE SCOPE OF WORK SHALL HAVE PARTITION IDENTIFICATION PER THE LIFE SAFETY PLANS AND SPECIFICATIONS SECTION 09 21 16.
28. ALL WALL MOUNTED LAVATORIES (SINKS) AND HAND-WASHING FACILITIES SHALL BE ATTACHED TO FLOOR MOUNTED CARRIERS AND SHALL WITHSTAND AN APPLIED VERTICAL LOAD OF A MINIMUM OF 250 POUNDS ON THE FRONT OF THE FIXTURE. (HOSPITALS FBC 449.3.9, 8TH ED. 2023) AND (OUTPATIENT FBC 451.3.8, 8TH ED. 2023)PER 2018 GUIDELINE, FBC DESIGN AND CONSTRUCTION OF HEALTH CARE FACILITIES, HOSPITALS (2.1-8.4.3.2) AND OUTPATIENTS (2.1-8.4.3.2).
29. CONTRACTOR SHALL HAVE OWNER VERIFY AND APPROVE ALL RECESSED OUTLET LOCATIONS (INCLUDING POWER, TELEPHONE/DATA, AND ANY OTHER RECESSED ITEMS) BEFORE RUNNING CONDUIT, PIPING, ETC. AND CLOSING IN WALLS.
30. WHERE A BEAM OR JOIST IS NOT AVAILABLE TO PROVIDE SUPPORT FOR HANGING CEILING, DUCTS, PIPES, ETC., DO NOT HANG ANY ITEMS FROM THE METAL ROOF DECKING. CONTRACTOR TO PROVIDE UNI-STRUT OR OTHER APPROVED MEANS OF SUPPORT.
31. NO WIRING SHALL BE IN CONTACT WITH PVC OR CPVC PIPPING.

FAC 69A-60.0081

(032520)

NOTICE FOR STRUCTURES WITH LIGHT-FRAME TRUSS-TYPE CONSTRUCTION (FAC 69A-60.0081).

ANY COMMERCIAL, INDUSTRIAL, OR MULTIUNIT RESIDENTIAL STRUCTURE OF THREE UNITS OR MORE, WHICH USES HORIZONTAL OR VERTICAL LIGHT-FRAME TRUSS-TYPE CONSTRUCTION IN ANY PORTION SHALL BE MARKED WITH AN APPROVED SYMBOL. TOWNHOUSES ARE NOT MULTIUNIT RESIDENTIAL STRUCTURES AND THEREFORE NOT SUBJECT TO THIS RULE. EACH APPROVED SYMBOL SHALL INCLUDE WITHIN THE CENTER CIRCLE ONE OF THE FOLLOWING DESIGNATIONS:

A. STRUCTURE WITH LIGHT-FRAME TRUSS ROOFS SHALL BE MARKED WITH THE LETTER **R**.
B. STRUCTURES WITH LIGHT-FRAME TRUSS FLOOR SYSTEMS SHALL BE MARKED WITH THE LETTER **F**.
C. STRUCTURES WITH LIGHT-FRAME TRUSS FLOOR AND ROOF SYSTEMS SHALL BE MARKED WITH THE LETTERS **RF**.

THE APPROVED SYMBOL SHALL BE PLACED WITHIN 24 INCHES TO THE LEFT OF THE MAIN ENTRY DOOR AND:
A. BE PERMANENTLY ATTACHED TO THE FACE OF THE STRUCTURE ON A CONTRASTING BACKGROUND, OR
B. BE MOUNTED ON A CONTRASTING BASE MATERIAL WHICH IS THEN PERMANENTLY ATTACHED TO THE FACE OF THE STRUCTURE.

THE DISTANCE ABOVE THE GRADE, WALKING SURFACE OR THE FINISHED FLOOR TO THE BOTTOM OF THE SYMBOL SHALL BE NOT LESS THAN 4 FEET (48 IN.).

THE DISTANCE ABOVE THE GRADE, WALKING SURFACE OR THE FINISHED FLOOR TO THE BOTTOM OF THE SYMBOL SHALL BE NOT MORE THAN 6 FEET (72 IN.).

IN SINGLE TENANT STRUCTURES WITH MULTIPLE MAIN ENTRY DOORS, SUCH AS BIG BOX RETAIL STORES, DEPARTMENT STORES AND GROCERY STORES, THE AUTHORITY HAVING JURISDICTION IS AUTHORIZED TO REQUIRE THAT OTHER MAIN ENTRY DOORS OF THE STRUCTURE BE MARKED WITH AN APPROVED SYMBOL.

IN MULTIPLE TENANT STRUCTURES AND COVERED MALLS WITH MULTIPLE MAIN ENTRY DOORS, THE AUTHORITY HAVING JURISDICTION IS AUTHORIZED TO REQUIRE THAT OTHER MAIN ENTRY DOORS BE MARKED WITH AN APPROVED SYMBOL. IN SUCH STRUCTURES, APPROVED SYMBOLS SHALL BE MARKED ON ONE SIDE OF THE STRUCTURE ONLY AND SPACED NOT CLOSER THAN 100 FEET OR AT EACH END OF THE STRUCTURE WHEN SUCH STRUCTURE IS LESS THAN 100 FEET IN LENGTH.

R F RF

SYMBOLS & MATERIAL LEGEND

- COLUMN AND CONSTRUCTION GRID LINES
- DOOR SYMBOL
- EQUIPMENT NUMBER
- FURNITURE NUMBER
- KEYNOTE
- ALUMINUM WINDOW/ STOREFRONT
- HOLLOW METAL WINDOW
- LINE OF OVERHEAD WALL CABINET
- C.C.T. — CUBICLE CURTAIN TRACK
- I.V. — I.V. TRACK
- SECTION LETTER / CUTTING LINE / DRAWINGS WHERE LOCATED
- INTERIOR ELEVATION NUMBER / DRAWING WHERE LOCATED / SOLID ARROW INDICATES DIRECTION
- DETAIL INDICATION SYMBOL
- 100'-0" FIRST FLOOR — FLOOR/DATUM ELEVATION LEVEL
- MATCH LINE

EARTH/FILL	BRICK
CONCRETE	STUCCO, CEMENT PLASTER, LIGHTWEIGHT CONC.
CMU-LARGE SCALE	CMU - SMALL SCALE
CERAMIC TILE	METAL - LARGE SCALE
METAL - SMALL SCALE OR SHEET METAL	FINISHED WOOD
WOOD BLOCKING	WOOD SHIM
PLYWOOD	G.W.B.
RIGID INSULATION	BATT INSULATION
FOAM FILL INSULATION	SAFING INSULATION
STEEL	

PARTITION LEGEND

X1-partleg (042622)

NOTE: SEE A13 SERIES OF DRAWINGS FOR CONSTRUCTION REQUIREMENTS OF PARTITIONS.

- **FOUR HOUR FIRE / SMOKE BARRIER**
- **FOUR HOUR FIRE WALL**
- **TWO HOUR FIRE / SMOKE BARRIER**
- **TWO HOUR FIRE WALL**
- **ONE HOUR FIRE / SMOKE BARRIER**
- **ONE HOUR FIRE WALL**
- **SMOKE PARTITION TO DECK**
- **NON-RATED PARTITION**
- STC 51 — STC 51 — **SOUND ATTENUATION BATT (1 HOUR)**
- STC 56 — STC 56 — **SOUND ATTENUATION BATT (2 HOUR)**
- SW — SW — SW — **SHAFT WALL ASSEMBLY (RATING WITHIN WALL) (1 HOUR)**
- SW2 — SW2 — SW2 — **SHAFT WALL ASSEMBLY (RATING WITHIN WALL) (2 HOUR)**
- 1 MM — **LEAD LINED PARTITION (LEAD THICKNESS INDICATED IN MM)**
- 2 MM — **LEAD LINED PARTITION (LEAD THICKNESS INDICATED IN MM)**

APPROVED PRODUCTS LIST

Product Category	Sub Category	Manufacturer	Florida Approval Number	Approval Date
Panel Walls	Storefronts	YKK	14218.17	7/25/2023
Exterior Doors	Swinging Ext. Doors	YKK	16554.1	7/25/2023
Exterior Doors	Ext. Door Components	Ceco Door Prod.	4553.R15	2/17/2025
Roofing	Roofing Insulation	Elastizell	4994.1	
Roofing	Roofing Accessories	Bilco	15110-R6	3/04/2024
Roofing	Single Ply Roof System	Holcim	15894-R21	6/18/2024

SEE SPECIFICATIONS FOR A COPY OF THE FLORIDA PRODUCT APPROVAL OF THE ITEMS LISTED ABOVE.

NOTE: Per F.A.C. Rule 9B-72.090 Product Approval by the Commission, Article (1)(d), product approval shall be valid until such time as the product changes decreasing the product's performance or when a change in the Code provisions would require re-approval.

DRAWING INDEX

COVER	
--	COVER
X1-1	DRAWING INDEX
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AS3-1	ARCHITECTURAL SITE PLAN
CIVIL	
C1	EXISTING CONDITIONS AND DEMOLITION PLAN
C2	SITE & DIMENSION PLAN
C3	GRADING AND DRAINAGE PLAN
C4	UTILITY PLAN
C5	STORMWATER POLLUTION PREVENTION PLAN
C6	SITE DETAILS
LANDSCAPE	
L1	LANDSCAPE PLAN
ARCHITECTURAL	
A1-1	FIRST FLOOR LIFE SAFETY PLAN
A5-1	FIRST FLOOR ARCHITECTURAL PLAN
A6-1	FIRST FLOOR DIMENSION PLAN
A7-1	FIRST FLOOR EQUIPMENT/ FURNITURE PLAN
A8-1	FIRST FLOOR REFLECTED CEILING PLAN
A8-2	FIRST FLOOR REFLECTED CEILING PLAN
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A9-1.1	ROOF DETAILS
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A10-1	EXTERIOR ELEVATIONS
A11-1	BUILDING SECTIONS
A11-2	WALL SECTIONS
A11-2.1	WALL SECTIONS
A11-3	CANOPY SECTIONS
A11-4	POOL DECK SECTIONS
A12-1	LADDER SECTIONS & DETAILS
A13-1	INTERIOR PARTITION SECTIONS, NOTES, DETAILS
A13-1.1	INTERIOR PARTITION SECTIONS, NOTES, DETAILS
A13-1.2	INTERIOR PARTITION SECTIONS, NOTES, DETAILS
A13-3	INTERIOR PARTITION SECTIONS, NOTES, DETAILS
A13-3.1	INTERIOR PARTITION SECTIONS, NOTES, DETAILS
A14-1	DOOR SCHEDULE, ELEVATIONS, DETAILS, NOTES
A15-1	STOREFRONT ELEVATIONS, DETAILS, NOTES
A16-1	1/4" SCALE FLOOR PLANS
A17-1	INTERIOR ELEVATIONS
A17-2	INTERIOR ELEVATIONS
A17-3	INTERIOR ELEVATIONS
A18-1	CASEWORK SECTIONS
A19-1	FINISH PLAN & NOTES
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STRUCTURAL	
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S2-1	ROOF FRAMING PLAN
S3-1	FOUNDATION DETAILS
S4-1	MASONRY DETAILS
S5-1	FRAMING DETAILS
S5-2	FRAMING DETAILS
S6-1	WALL SECTIONS
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S7-1	ISOMETRIC VIEW
MECHANICAL	
M000	MECHANICAL LEGEND
M110	HVAC FIRST FLOOR PLAN
M120	MECHANICAL ROOF PLAN
M210	HVAC CONTROLS & PIPING FIRST FLOOR PLAN
M600	HVAC ISOMETRIC PLAN
M700	MECHANICAL SCHEDULES
M800	MECHANICAL DETAILS
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P110	PLUMBING FIRST FLOOR PLAN
P600	PLUMBING ISOMETRIC
P800	PLUMBING DETAILS
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E000	ELECTRICAL LEGENDS
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E210	POWER FIRST FLOOR PLAN
E310	SYSTEMS FIRST FLOOR PLAN
E410	ELEC/HVAC FIRST FLOOR PLAN
E420	ELECTRICAL ROOF PLAN
E600	ELECTRICAL RISER DIAGRAMS
E800	ELECTRICAL DETAILS
VENDOR	
SP-1	COVER SHEET
SP-2	NOTES & SPECIFICATIONS
SP-3	AMENITY SITE PLAN
SP-4	POOL PLUMBING PLAN
SP-5	POOL ADA RAMP PLAN
SP-6	POOL LAYOUT PLAN
SP-7	POOL DETAILS
SP-8	POOL SECTIONS & PROFILES
SP-9	POOL EQUIPMENT DETAILS
SP-10	ADDITIONAL EQUIPMENT DETAILS
SP-11	POOL BONDING PLAN

CODE CRITERIA

X1-CODE (022224)

AMERICANS WITH DISABILITIES ACT REGULATIONS (ADA) TITLE III (28 CFR PART 36), LATEST EDITION

AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS (ASHRAE)
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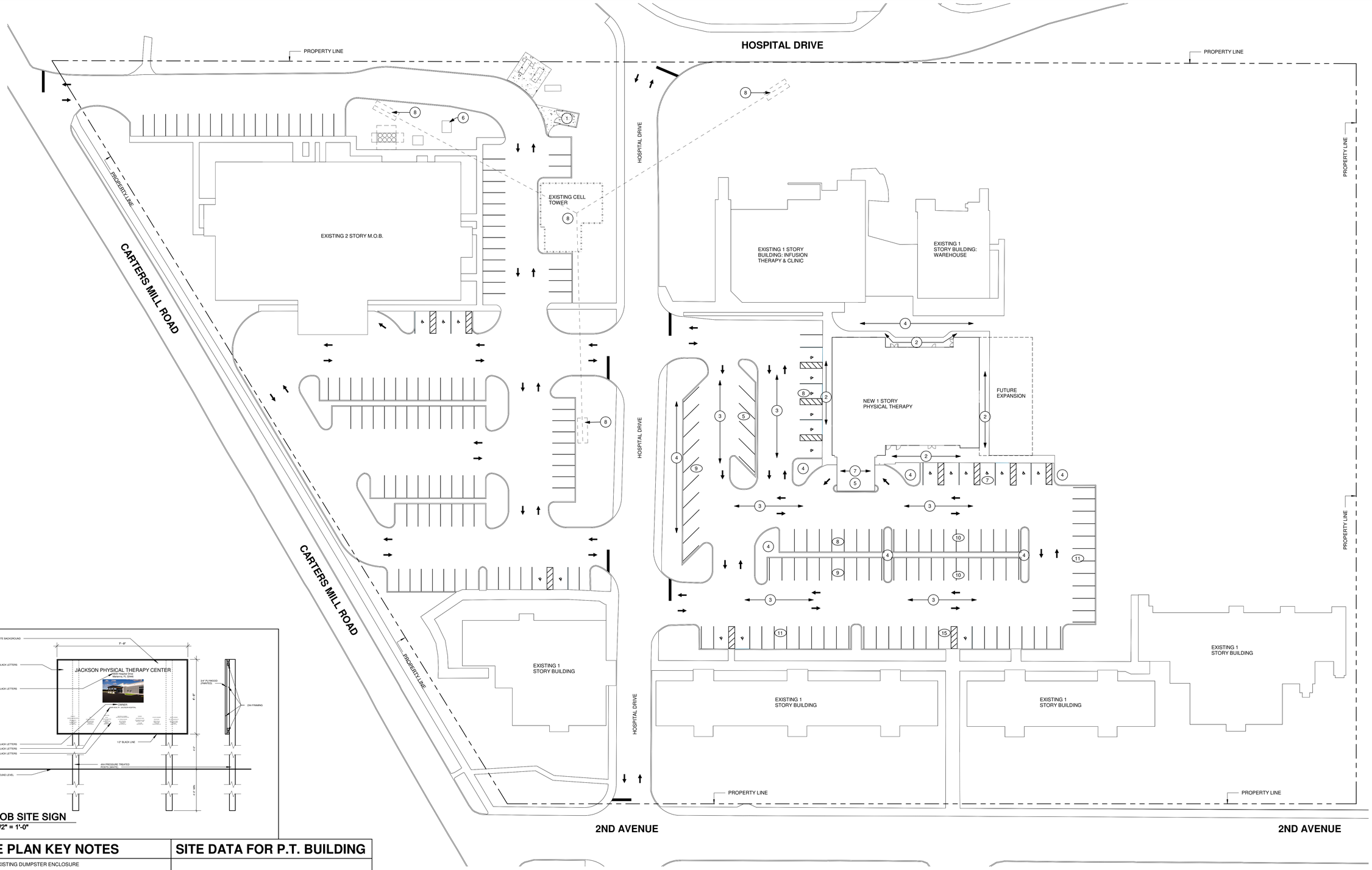

D1 JOB SITE SIGN
1/2" = 1'-0"

SITE PLAN KEY NOTES

1. EXISTING DUMPSTER ENCLOSURE
2. CONCRETE WALK, SEE CIVIL DRAWINGS
3. ASPHALT PARKING LOT, SEE CIVIL DRAWINGS
4. FOR LANDSCAPING, SEE CIVIL DRAWINGS
5. CANOPY ABOVE, SEE SECTIONS ON SHEET A11-3
6. EXISTING TRANSFORMER LOCATION, SEE ELECTRICAL DRAWINGS
7. CONCRETE DRIVE BELOW CANOPY, SEE CIVIL DRAWINGS
8. EXISTING GUIDE WIRES FOR CELL TOWER WITHIN EXISTING CHAIN LINK FENCE ENCLOSURE TO REMAIN, SEE CIVIL DRAWINGS

NOTE: ADDITIONAL PARKING PROVIDED AT ADJACENT EXISTING BUILDINGS. SEE CIVIL DRAWINGS.

SITE DATA FOR P.T. BUILDING

TOTAL ACREAGE:	11.83 ACRES
TOTAL P.T. BUILDING AREA:	10,156 SQ. FT.
TOTAL PARKING REQUIRED FOR P.T. BUILDING (1 PARKING SPACE PER 300 S.F.):	34
TOTAL REQUIRED NO. ADA PARKING SPACES (PER FLORIDA ACCESIBILITY CODE 208.2.2:	7
PARKING PROVIDED:	103
NO. ADA PARKING SPACES:	13

SITE PLAN GENERAL NOTES

1. THIS SITE PLAN IS FOR GENERAL INFORMATION & CONSTRUCTION SIGN
2. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN CIVIL DRAWINGS AND THIS SITE PLAN.

NORTH

ARCHITECTURAL SITE PLAN
1" = 30'-0"

Project Architect:

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Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011

Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:
ARCHITECTURAL SITE PLAN

Drawing Number:
AS3-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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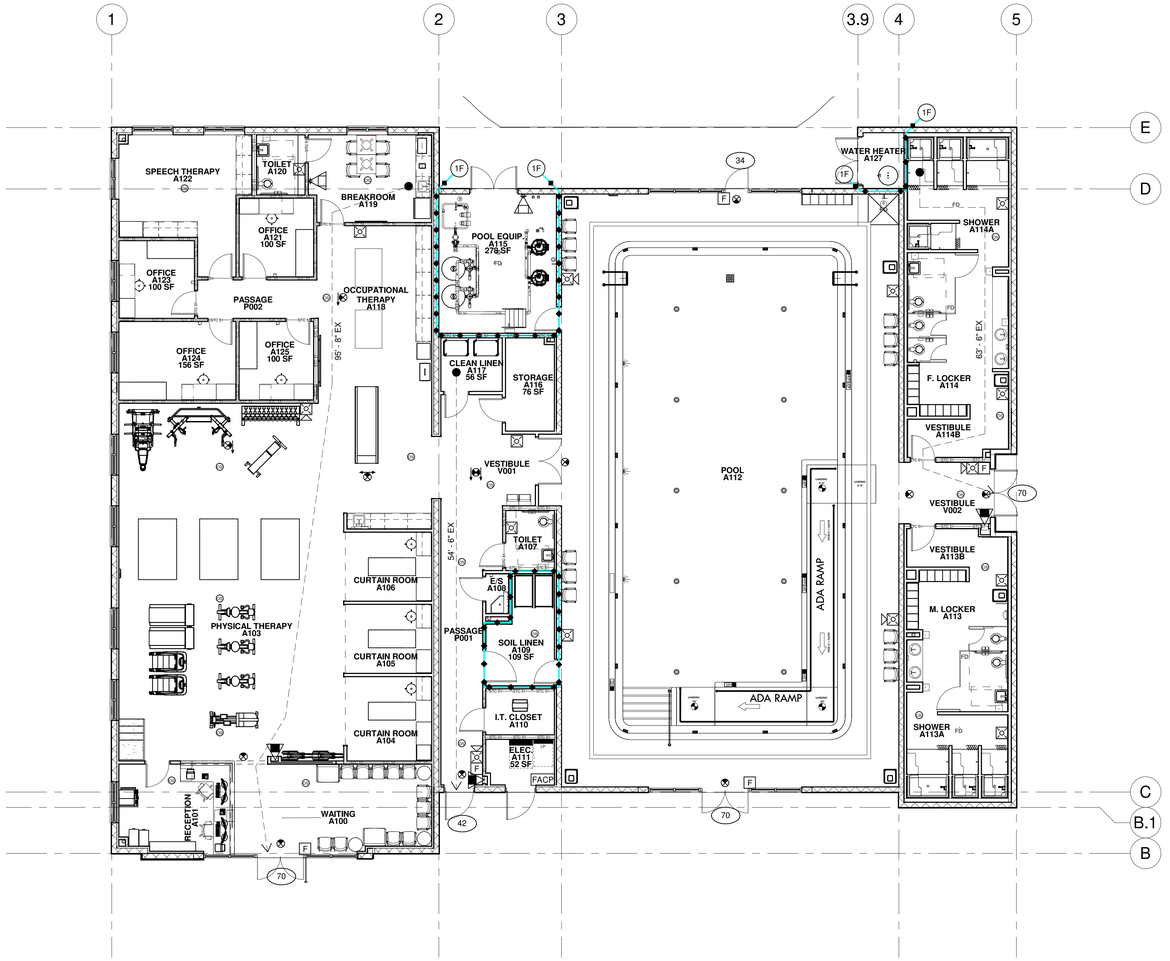
LIFE SAFETY CALCULATION

NAME	AREA	SQFT PER OCCUPANT	OCCUPANT LOAD	EXIT COMPONENT	EXIT WIDTH PER OCCUPANT (IN.)	REQUIRED CLEAR EXIT WIDTH (IN.)	PROVIDED CLEAR EXIT WIDTH (IN.)	OCCUPANT EXIT CAPACITY PROVIDED (PERSON)
EDUCATIONAL AND EXERCISE	4060 SF	50 SF	82	LEVEL	0.2	17	286	1430
POOL AND LOCKERS	4836 SF	50 SF	97	LEVEL	0.2	20	0	0
STORAGE AND EQUIPMENT	1259 SF	300 SF	5	LEVEL	0.2	1	0	0
TOTALS	10156 SF		184			38	286	1430



NORTH

FIRST FLOOR LIFE SAFETY PLAN

1/8" = 1'-0"

PARTITION LEGEND

X1-partleg (042622)

NOTE: SEE A13 SERIES OF DRAWINGS FOR CONSTRUCTION REQUIREMENTS OF PARTITIONS.

- FOUR HOUR FIRE / SMOKE BARRIER
- FOUR HOUR FIRE WALL
- TWO HOUR FIRE / SMOKE BARRIER
- TWO HOUR FIRE WALL
- ONE HOUR FIRE / SMOKE BARRIER
- ONE HOUR FIRE WALL
- SMOKE PARTITION TO DECK
- NON-RATED PARTITION
- STC 51 — SOUND ATTENUATION BATT (1 HOUR)
- STC 56 — SOUND ATTENUATION BATT (2 HOUR)
- SW — SHAFT WALL ASSEMBLY (RATING WITHIN WALL) (1 HOUR)
- SW2 — SHAFT WALL ASSEMBLY (RATING WITHIN WALL) (2 HOUR)
- 1 MM — LEAD LINED PARTITION (LEAD THICKNESS INDICATED IN MM)
- 2 MM — LEAD LINED PARTITION (LEAD THICKNESS INDICATED IN MM)

LIFE SAFETY NOTES

A1-004 (011819)

1. ALL CORRIDOR WALLS AND CEILINGS ARE SMOKE-TIGHT TO DECK.
2. FOR APPLICABLE CODE REQUIREMENTS, SEE X1-1 DRAWING.

PLUMBING FIXTURE COUNT

FIXTURE COUNT (**PER FBC 2022 - PLUMBING TABLE 403.1**)

OCCUPANT LOAD= 181
-90 MEN OCCUPANTS
-91 WOMEN OCCAPANTS

WATER CLOSETS
(1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50)

	PROVIDED
MALE WATER CLOSETS = 5 REQUIRED	
FEMALE WATER CLOSETS = 5 REQUIRED	10
TOTAL REQUIRED = 10	

LAVATORIES
(1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80)

MALE LAVATORIES = 4 REQUIRED	
FEMALE LAVATORIES = 4 REQUIRED	
TOTAL REQUIRED = 8	10
DRINKING FOUNTAINS (1 PER 100) = 1 REQUIRED	1
FBC: SECTION 410.3 (HIGH & LOW)	
SERVICE SINK = 1 REQUIRED	2

LIFE SAFETY LEGEND

(031222)

- EXIT LIGHT
- AUDIBLE APPLIANCE AND STROBE
- AUDIBLE APPLIANCE
- STROBE
- F — FIRE ALARM PULL STATION
- FIRE HOSE CABINET
- FIRE HOSE CABINET WITH EXTINGUISHER
- FIRE VALVE CABINET
- FIRE VALVE CABINET WITH EXTINGUISHER
- EMERGENCY BATTERY LIGHT UNIT (REFER TO ELECTRICAL DRAWINGS).
- FIRE EXTINGUISHER SURFACE MOUNT
- FIRE EXTINGUISHER IN FLUSH CABINET
- S H — COMBINATION HEAT/SMOKE DETECTOR
- S — SMOKE DETECTOR
- H — HEAT DETECTOR
- CARBON DIOXIDE DETECTOR
- MAGNETIC DOOR HOLDER (SEE DETAIL HOGWB ON A13 SERIES OF DRAWINGS)
- STRONG MAGNETIC FIELD
- HAZARDOUS STORAGE
- FSA — FIRE SYSTEM ANNUNCIATOR
- FAA — FIRE ALARM ANNUNCIATOR
- FSCP — FIRE SYSTEM CONTROL PANEL
- FACP — FIRE ALARM CONTROL PANEL
- FDHV — FIRE DEPARTMENT - HOSE VALVE
- 35 — EGRESS WIDTH IN INCHES
- 000' — EX — PATH OF TRAVEL IN FEET TO EXIT
- 000' — EC — PATH OF TRAVEL IN FEET TO SMOKE COMP.
- 000' — ES — PATH OF TRAVEL IN FEET TO SUITE
- SUITE
- AREA OF WORK

LIFE SAFETY NO. SYSTEM

SMOKE (SC) OR FIRE (FC) COMPARTMENT — SCG-A — COMPARTMENT LABEL / FLOOR LABEL

DESIGN CRITERIA

(011217)

NEW FACILITY IS A ONE STORY BUILDING AND IS OF 10,156 S.F., CONSTRUCTION TYPE II B, NON-SPRINKLED PER FBC, AND TYPE II, 200 PER NFPA.

OCCUPANCY - GROUP B BUSINESS PER FBC, AND NEW BUSINESS PER NFPA

FIRE RATINGS	FBC	NFPA
BEARING WALLS		
EXTERIOR	0	
SUPPORTING MORE THAN ONE FLOOR		0
SUPPORTING ONLY ONE FLOOR		0
SUPPORTING ONE ROOF ONLY		0
INTERIOR	0	
SUPPORTING MORE THAN ONE FLOOR		0
SUPPORTING ONLY ONE FLOOR		0
SUPPORTING ONE ROOF ONLY		0
STRUCTURAL FRAME	0	
COLUMNS		
SUPPORTING MORE THAN ONE FLOOR		0
SUPPORTING ONLY ONE FLOOR		0
SUPPORTING ONLY A ROOF		0
BEAMS, GIRDERS, TRUSSES, ARCHES		
SUPPORTING MORE THAN ONE FLOOR		0
SUPPORTING ONLY ONE FLOOR		0
SUPPORTING A ROOF		0
FLOORS CONSTRUCTION	0	0
ROOF CONSTRUCTION	0	0

EXTERIOR WALLS (BEARING AND NON-BEARING), GABLE ENDS

HORIZONTAL SEPARATION	RATING	MAX PROTECTED GLAZING	MAX UNPROTECTED GLAZING
0-3FT	1	NOT PERMITTED	NOT PERMITTED
3-5FT	1	15%	15%
5-10FT	1	25%	25%
10-15FT	0	45%	45%
15-20FT	0	75%	75%
20-25FT	0	NO LIMIT	NO LIMIT
25-30FT	0	NO LIMIT	NO LIMIT
OVER 30FT	0	NOT REQUIRED	NOT REQUIRED

MAXIMUM BUILDING AREA — 23,000 S.F. / FLOOR
MAXIMUM BUILDING HEIGHT — 75' - 4 STORIES MAXIMUM

Project Architect:

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Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

FIRST FLOOR LIFE SAFETY PLAN

Drawing Number:

A1-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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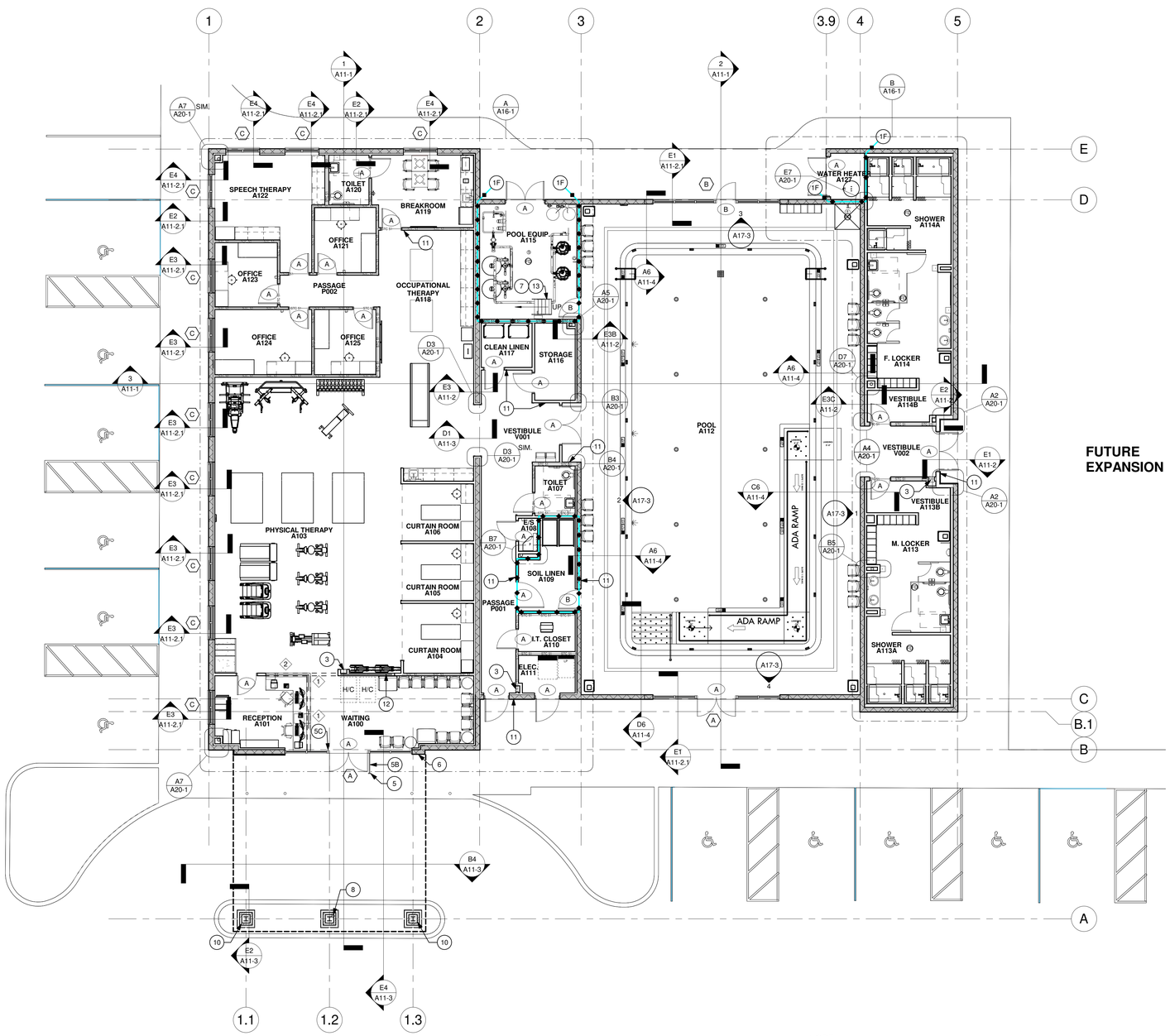

NORTH

FIRST FLOOR ARCHITECTURAL PLAN

1/8" = 1'-0"

PHYSICAL THERAPY: 5,298 S.F.

P.T. POOL: 4,797 S.F.

TOTAL: 10,156 S.F.

FLOOR PLAN GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE SCHEDULED SO AS TO COORDINATE WITH THE OWNER'S OCCUPANCY REQUIREMENTS FOR THIS FACILITY.
2. ALL CONSTRUCTION SHALL BE COORDINATED WITH THE OWNERS USAGE REQUIREMENTS FOR THIS FACILITY.
3. THE CONSTRUCTION SCHEDULE SHALL BE COORDINATED WITH THE REQUIREMENTS OF ALL OTHER CONSTRUCTION SERVICES TO OCCUR ON THIS SITE, WHETHER PART OF THIS PROJECT OR NOT, DURING THE DURATION OF THIS PROJECT.
4. ALL DIMENSIONS SHALL BE FIELD VERIFIED.

FLOOR PLAN KEY NOTES

1. NEW GWB WALL WIDTH AS SHOWN 16" O.C. METAL FRAMING WITH MATCHING WIDTH INSULATION. SEE A13-2.
2. NEW CMU WALL, WIDTH AS INDICATED. SEE A13-2.
3. BOX AROUND FIRE EXTINGUISHER CABINET, SEE DETAIL ON C3/A13-1
4. NOT USED.
5. PUSH BUTTON ON PEDESTAL RAILING, SEE DETAIL A5/A14-1.
5B. ALUMINUM RAIL PER MANUFACTURER, LENGTH OF RAIL SHALL BE THE WIDTH OF THE DOOR AT ENTRY, SEE DETAIL E7/A14-1.
5C. ADA AUTOMATIC DOOR BUTTON, SURFACE MOUNTED.
6. KNOX BOX
7. ROOF HATCH ABOVE WITH SHIPS LADDER, SEE ROOF PLAN ON SHEET A9-1
8. CONCEALED ROOF DRAIN, SEE PLUMBING DRAWINGS AND DETAILS D5 &E5/A20-1
9. PIPE BOLLARD, SEE DETAIL E7/A11-3
10. COLUMN, DETAILS D4 &E4/A20-1
11. CARD READER
12. 3-FORM PANEL, SEE ELEVATIONS E1 & E2/A17-1
13. COORDINATE POOL EQUIPMENT AND PIPING WITH WITH LADDER LOCATION.

Project Architect:

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Project Name:

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Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

FIRST FLOOR ARCHITECTURAL PLAN

Drawing Number:

A5-1

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Checked by: RB
Scale: As indicated

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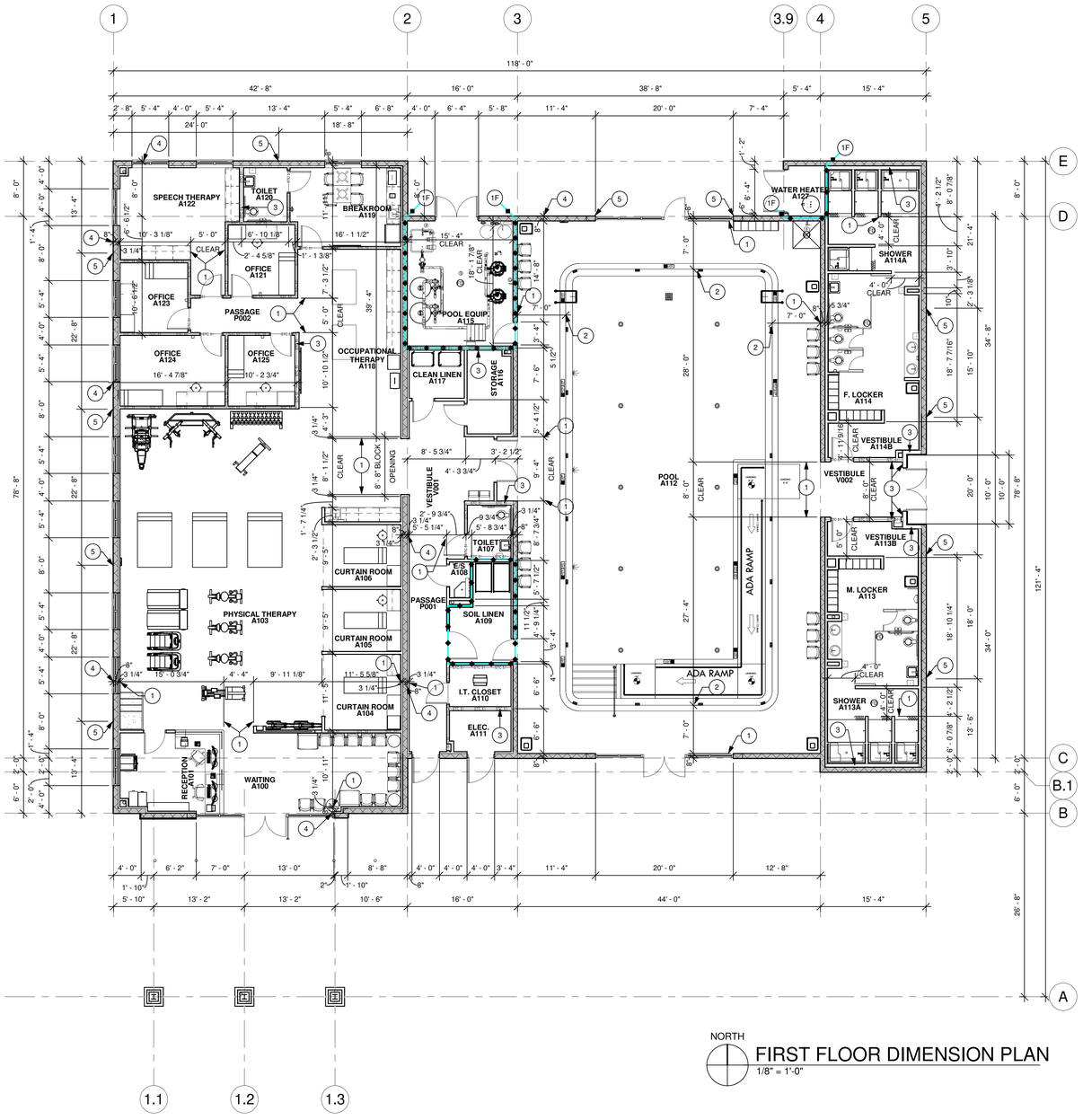
DIMENSION PLAN NOTES

1. FIELD VERIFY ALL DIMENSIONS.
2. ALL DIMENSIONS ARE FROM FACE OF WALL TO FACE OF WALL UNLESS NOTED OTHERWISE.
3. ALL NEW WALLS ARE 5" NOMINAL STUD WALLS UNLESS NOTED OTHERWISE.

DIMENSION PLAN KEY NOTES

1. DIMENSION TAKEN FROM FACE OF WALL .
2. DIMENSION TAKEN FROM POOL WATER LINE.
3. PROVIDE 6" METAL STUDS.
4. DIMENSION TAKEN FROM GRID LINE
5. MASONRY CONTROL JOINT, SEE DRAWING A10-1 AND STRUCTURAL DRAWINGS.



FIRST FLOOR DIMENSION PLAN

1/8" = 1'-0"

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Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

#	REVISIONS	
No.	Description	Date

Drawing Title:

FIRST FLOOR DIMENSION PLAN

Drawing Number:

A6-1

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Scale: As indicated

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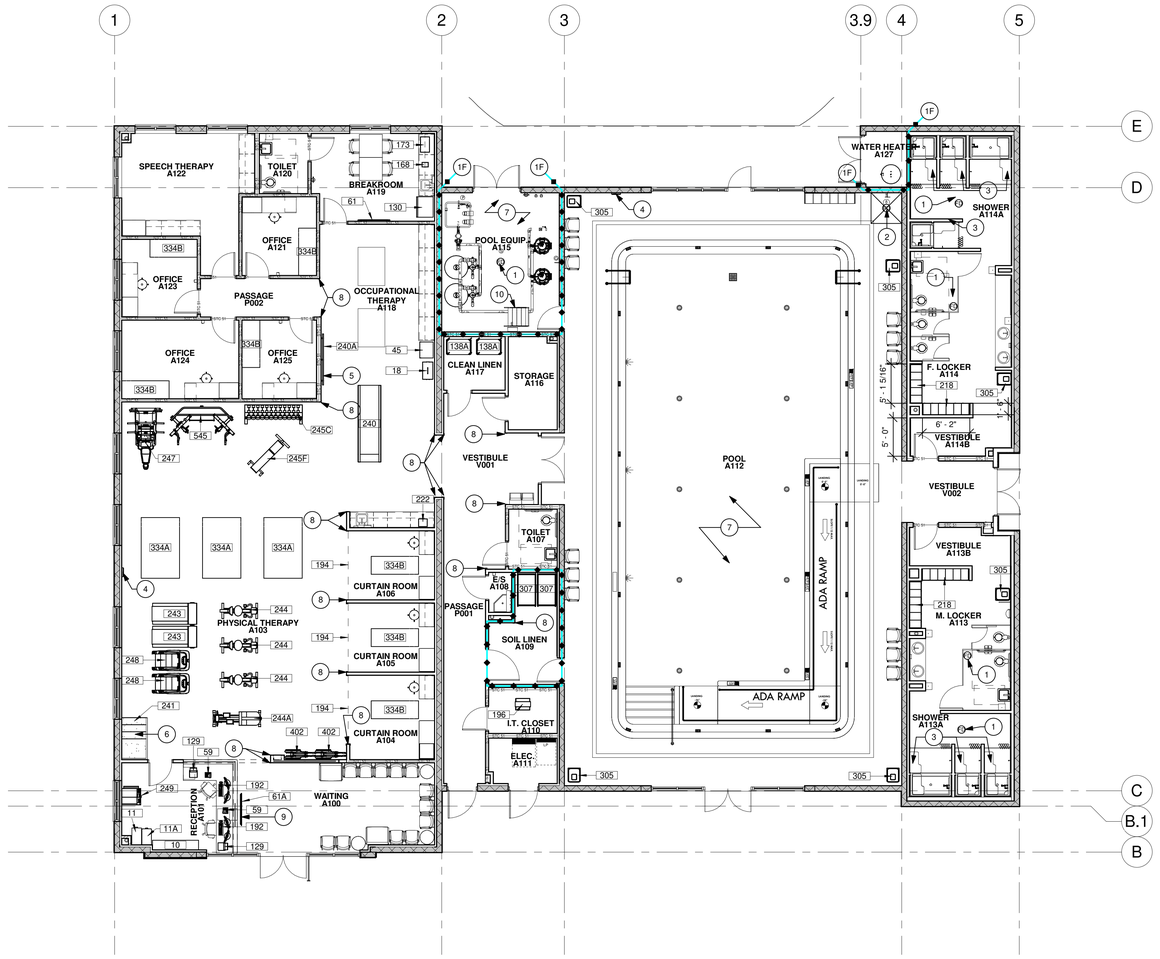


NORTH

EQUIPMENT/FURNITURE PLAN

1/8" = 1'-0"

EQUIPMENT KEY NOTES

1. FLOOR DRAIN, SEE PLUMBING DRAWINGS
2. FLOOR DRAIN WITH RINSE SHOWER, SEE PLUMBING DRAWINGS
3. FOLD DOWN BENCH
4. WALL CLOCK SET AT MINIMUM 7'-0" TO BOTTOM OF DEVICE PER ADA; COORDINATE STYLE AND TYPE OF CLOCK WITH OWNER
5. BALANCE BAR, SEE DETAIL E6/A7-1
6. P.T. STAIR SUPPLIED BY OWNER
7. POOL AND POOL EQUIPMENT, SEE VENDOR SHEETS
8. CORNER GUARD SHALL BE CS ACROVYN MODEL VA 200H 90 DEGREE SURFACE MOUNTED 1-1/2" LEG 4'-0" HIGH SELF ADHESIVE TAPE BACKING.
9. TV MOUNTED TO STRUCTURE ABOVE CEILING, SEE ELEVATION A4/A17-1 AND DETAIL D2/A8-1.
10. SHIPS LADDER, COORDINATE POOL EQUIPMENT AND PIPING WITH WITH LADDER LOCATION.

EQUIPMENT NOTES

IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO PROVIDE FOR A COMPLETE AND FUNCTIONAL EQUIPMENT INSTALLATION. OWNER FURNISHED EQUIPMENT SHALL BE VERIFIED PRIOR TO ROUGH-IN TO DETERMINE ALL REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, METAL BACK-UP, ELECTRICAL, MECHANICAL, PLUMBING, SUPPORT, ETC. THE GENERAL CONTRACTOR SHALL INSURE THAT ALL NECESSARY REQUIREMENTS HAVE BEEN INCLUDED IN A TIMELY MANNER SO AS NOT TO DELAY THE WORK AND TO PROVIDE FOR COMPLETE EQUIPMENT INSTALLATIONS.

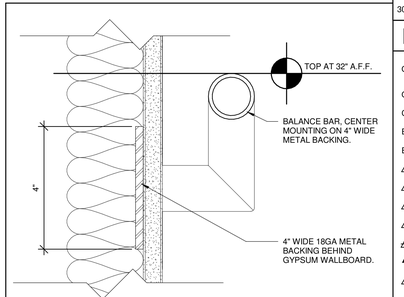
1. GENERAL - REFER ALSO TO GENERAL NOTES ON SHEET X1-1 FOR ADDITIONAL INFORMATION.
2. OWNER FURNISHED ITEMS - VERIFY ALL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION TO ASCERTAIN CORRECT CONSTRUCTION IS PROVIDED. COORDINATE ALL EQUIPMENT INSTALLATION WITH THE OWNER. TAKE CARE TO PREVENT ANY DAMAGE TO OWNER FURNISHED EQUIPMENT.
   A. FOR ITEMS FURNISHED AND INSTALLED BY THE OWNER, PROVIDE ALL REQUIRED PLUMBING, MECHANICAL AND ELECTRICAL SERVICES WITH APPROPRIATE TERMINATIONS, PULL CORDS, EXTENSIONS, JUNCTION BOXES, ETC. TO ALLOW PROPER CONNECTION BY OWNER. PROVIDE ALL REQUIRED BACK-UP PLATES, SUPPORT OR OTHER ITEMS NECESSARY FOR PROPER INSTALLATION BY OWNER.
   B. FOR ITEMS FURNISHED BY OWNER, BUT INSTALLED BY CONTRACTOR, PROVIDE ALL PLUMBING, MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED, INCLUDING ALL CONNECTION, BACK-UP, SUPPORT, ATTACHMENT, TESTING, ETC. COORDINATE ALL WORK IN A TIMELY FASHION TO PREVENT ANY DELAYS IN THE WORK. PROTECT ALL INSTALLED EQUIPMENT BEFORE, DURING, AND AFTER INSTALLATION TO PREVENT ANY DAMAGE. VERIFY ALL REQUIREMENTS FOR EQUIPMENT WITH OWNER PRIOR TO INSTALLATION.
3. SUPPORT - PROVIDE ALL REQUIRED STRUCTURAL SUPPORT IN CEILING, WALLS, AND FLOOR FOR ALL EQUIPMENT AS NECESSARY. UTILIZE ONLY MATERIALS APPROPRIATE TO EACH SPECIFIC APPLICATION TO PROVIDE SUPPORT AND CARRY LOADS INTENDED WITHOUT DETRIMENTAL SAG, SWAY, BENDING, FLEXURE, ETC. REFER TO APPROPRIATE DETAILS. WHERE NO DETAILS ARE SHOWN, PROVIDE SUPPORT AS NECESSARY.
4. EQUIPMENT SIZES - VERIFY ALL EQUIPMENT SIZES, WEIGHTS, LOCATIONS, ETC. TO ALLOW FOR APPROPRIATE SUPPORT, AMPLE ROOM FOR INSTALLATION, PROPER CLEARANCES, CONNECTIONS, ETC. MODIFY IN-PLACE CONSTRUCTION TO ACCOMMODATE EQUIPMENT AS REQUIRED AND AT NO ADDITIONAL COST TO THE OWNER.
5. COORDINATION - COORDINATE INSTALLATION OF ALL EQUIPMENT WITH THE CONSTRUCTION SCHEDULE TO ALLOW FOR TIMELY INCLUSION OF ALL REQUIRED ITEMS AND EQUIPMENT IN THE WORK. COORDINATE OWNER FURNISHED ITEMS WITH THE OWNER AND OWNER'S SUPPLIERS FOR TIMELY INSTALLATION AND ALL REQUIREMENTS.
6. PROTECTION - TAKE CARE TO PREVENT ANY DAMAGE TO IN-PLACE CONSTRUCTION OR EQUIPMENT. PROTECT EQUIPMENT FROM DUST, DIRT, DEBRIS, MOISTURE, OR OTHER DETRIMENTAL CONDITIONS. REPAIR OR REPLACE ANY DAMAGED CONSTRUCTION OR EQUIPMENT AT NO ADDITIONAL COST.
7. PHASING - COORDINATE EQUIPMENT DELIVERIES, INSTALLATION, OR OTHER RELATED DEMOLITION AND/OR CONSTRUCTION FOR APPROPRIATE SCHEDULING.
8. RECESSED ITEMS-FOR EQUIPMENT ITEMS OR ASSOCIATED JUNCTION BOXES, PANELS, ETC. TO BE RECESSED IN RATED WALLS, PROVIDE A FIVE (5) SIDED ENCLOSURE AROUND THE RECESSED PORTION. MAINTAIN INTEGRITY OF THE RATED WALL. SEE DETAILS FOR TYPICAL CONSTRUCTION. SEAL ALL ITEMS TO MAINTAIN SMOKETIGHTNESS.
9. CHANGES - THE OWNER RESERVES THE RIGHT TO CHANGE MANUFACTURER AND/OR MODEL OF EQUIPMENT WITH NO ADDITIONAL CHARGE FOR LIKE INSTALLATION.
10. CONTRACTOR SHALL REMOVE AND REINSTALL ALL EXISTING EQUIP. NECESSARY FOR THE INSTALLATION OF NEW FINISHES, PLUMBING, HVAC, ELECTRICAL, ETC.

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	MOUNTING	FURNISHED/INSTALLED	REMARKS
10	CHART CABINET	FLOOR	O/O	4
11	LARGE CABINET	FLOOR	O/O	4
11A	SMALL CABINET	FLOOR	O/O	4
18	WARMING CABINET	FLOOR	O/O	3
45	COOLING CABINET	FLOOR	O/C	3
59	TELEPHONE SYSTEM	COUNTER	O/O	--
61	T.V. 50 LED	WALL	O/C	3,23
61A	T.V. 50 LED	CEILING	O/C	3,6,17
129	DESKTOP SCANNER	COUNTER	O/O	3
130	REFRIGERATOR	FLOOR	O/C	3,4,10,11
138A	STEM CASTER CARTS - WIRE SHELVES	FLOOR	O/O	--
168	COFFEE MAKER	COUNTER	O/C	3
173	MICROWAVE	COUNTER	O/C	3,10,11,18
192	COMPUTER/DOUBLE MONITOR	DESK TOP	O/O	3
193	CLOCK	WALL	O/O	3
194	CUBICLE CURTAIN TRACK	CEILING	C/C	2,6
196	DATA RACK	FLOOR	O/O	3
218	DOUBLE LOCKERS	FLOOR	C/C	2
222	NARCOTIC LOCKER	CABINET	C/C	10,11
240	PARALLEL BARS	FLOOR	O/O	10,13
240A	BALANCE BAR	WALL	O/C	9,19
241	P.T. STAIR	FLOOR	O/O	10
243	TREADMILL	FLOOR	O/O	2,3,11
244	WORKOUT BICYCLE	FLOOR	O/O	2,3,11
244A	ELLIPITICAL MACHINE	FLOOR	O/O	2,3,11
245C	DUMBELL RACK	FLOOR	O/O	2,11
245F	WORK LIFT	FLOOR	O/O	2,11
247	SEATED LEG EXTENSION	FLOOR	O/O	2,3,11
248	STAIR CLIMBER	FLOOR	O/O	2,3,11
249	COPY, SCANNER, FAX MACHINE	FLOOR	O/O	3
305	LINEN HAMPER	FLOOR	O/O	--
307	SOILED LINEN BIN	FLOOR	O/O	--
334A	MAT	FLOOR	O/O	10
334B	P.T. TABLE	FLOOR	O/O	10
402	WHEEL CHAIR	FLOOR	--	--
545	FUNCTIONAL TRAINER	FLOOR	O/O	2,3,11

EQUIPMENT REMARKS

1. SEE EQUIPMENT BOOK.
2. SEE SPECIFICATIONS.
3. CONTRACTOR SHALL PROVIDE ALL PLUMBING, ELECTRICAL, MECHANICAL, MED. GASES, ETC., ROUGH-IN AS REQ'D. FOR ITEM TO PERFORM ITS OPERATION.
4. SHALL BE RELOCATED.
5. SINGLE COMPARTMENT.
6. FOR SUPPORT SEE DETAILS ON DRAWING A8-1.
7. CONTRACTOR SHALL PROVIDE AND INSTALL A 2'X 2'X 3/4" THICK PLYWOOD PANEL 2'-0" ABOVE FINISH FLOOR TO CEILING, PAINTED ON ALL SURFACES.
8. TV TO BE MOUNTED IN CABINET. CABINET O/O, SEE FURNITURE SPECS.
9. WALL STUDS SHALL BE 6" STUDS, 18 GA. FOR FULL LENGTH OF WALL. PROVIDE METAL PLATE BACKING BEHIND GYPSUM WALLBOARD. COORDINATE WITH MANUFACTURER.
10. CONTRACTOR IS TO RECEIVE, OFF LOAD AND STORE.
11. INSTALL PER MANUFACTURER'S RECOMMENDATION AND DETAILS ON DRAWINGS OR SPECIFICATIONS.
12. STEAM POWERED.
13. ELECTRIC POWERED.
14. RECESSED TYPE.
15. DIMENSIONS SHOWN ARE TO CENTERLINE OF EQUIPMENT CHAMBER. VERIFY WITH EQUIPMENT MANUFACTURER.
16. CONTRACTOR SHALL INSTALL CEILING SUPPORT FOR THE EQUIPMENT PER THE EQUIPMENT MANUFACTURER'S RECOMMENDATION.
17. CONTRACTOR SHALL INSTALL CEILING SUPPORT PER DETAIL D2/A8-1.
18. SHALL BE INSTALLED TO BOTTOM OF UPPER CABINET.
19. PROVIDE 4" WIDE 18GA. METAL BACKING BEHIND GYPSUM WALLBOARD.
20. SEE ATTACHED VENDOR DRAWINGS.
21. RECESSED.
22. 3 OVER 3.
23. PROVIDE 20 GAUGE GALVANIZED STUDS AS BACK-UP FOR MOUNTING ACCESSORIES. WHERE ANCHORAGE OCCURS BETWEEN STUDS, PROVIDE A 20 GAUGE RUNNER CHANNEL BETWEEN 20 GAUGE VERTICAL STUDS. RUNNER CHANNEL FLANGES SHALL BE CUT AND BENT TO CLEAR STUDS AND THEN SECURED TO STUDS. HEIGHT VARIES - SEE ELEVATIONS AND MANUFACTURER'S INSTRUCTIONS.
24. LOCATION AS DIRECTED BY OWNER.
25. COORDINATE WITH INTERIOR DESIGN DWGS. CONTACT ARCHITECT SHOULD THERE BE A CONFLICT.
26. FUTURE EQUIPMENT - CONTRACTOR SHALL PROVIDE ALL PLUMBING, ELECTRICAL, MECHANICAL, MED. GASES, ETC., ROUGH-IN AS REQ'D. FOR ITEM TO PERFORM ITS OPERATION.
27. EXISTING TO BE REUSED.
28. SEE INTERIOR ELEVATIONS DRAWING A17-1.
29. PROVIDE UNISTRUT SYSTEM TO SUPPORT EQUIPMENT ITEM FROM STRUCTURE ABOVE.
30. EQUIPMENT SHALL HAVE PASS-THRU DOOR (CLOSER).



E6 BALANCE BAR MOUNTING

6"=1'-0"

EQUIPMENT LEGEND

O/O	OWNER FURNISHED / OWNER (OR) VENDOR INSTALLED. COORDINATE AS REQ.
O/C	OWNER FURNISHED / CONTRACTOR INSTALLED
C/C	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
E/C	EXISTING EQUIPMENT TO BE RELOCATED BY THE CONTRACTOR
E/E	EXISTING EQUIPMENT TO REMAIN
△W	TELEPHONE WITH SUBNOTE WALL PHONE
△O/O	TELEPHONE-FURNISHED/INSTALLED SUBNOTE
⚠	DATA / PHONE
⚠S	SEPARATE DATA SYSTEM WITH VENDOR SUBNOTE
⚠	DEDICATED / EMERGENCY PHONE LINE
▲	DATA CONNECTION ONLY
⚠	DICTAPHONE
*	SEE REMARKS

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Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

FIRST FLOOR EQUIPMENT/ FURNITURE PLAN

Drawing Number:

A7-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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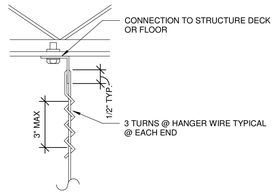
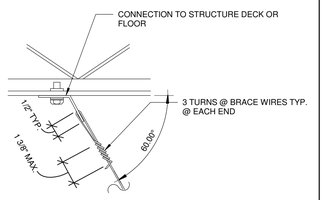
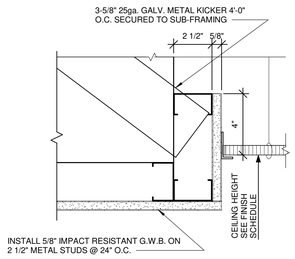


HANGER WIRE

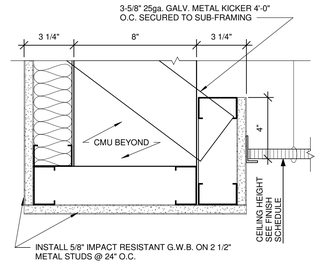


BRACING WIRE

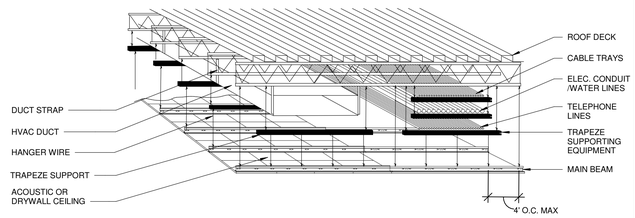
A1 BRACING & HANGER WIRE DETAIL
12" = 1'-0"



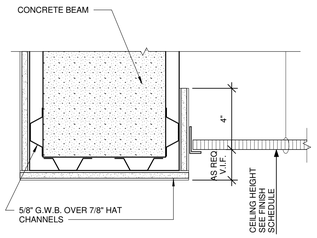
A3 CEILING DETAIL
3"=1'-0" A8-021 (122024)



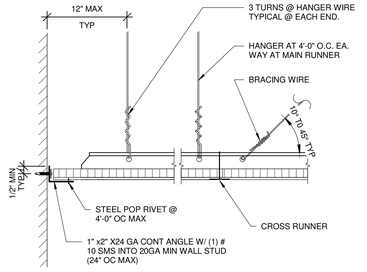
A4 CEILING DETAIL
3"=1'-0" A8-021 (122024)



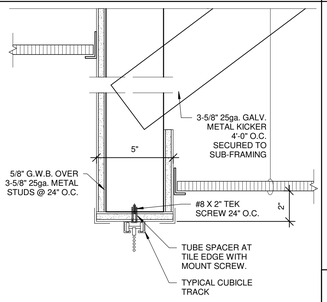
A5 TRAPEZE SUPPORT FOR CEILINGS AT ROOF
1 1/2" = 1'-0" A8-041 (011915)



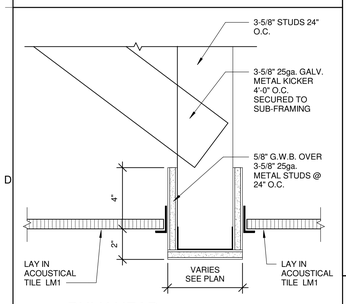
B1 CEILING DETAIL @ CONCRETE BEAM
3"=1'-0" A8-021 (011215)



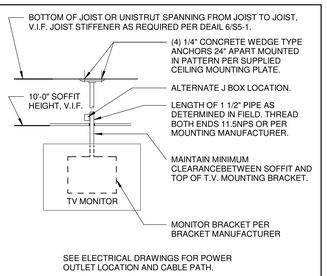
B2 TYPICAL CEILING SECTION AT EXITWAY CORRIDORS
3" = 1'-0"



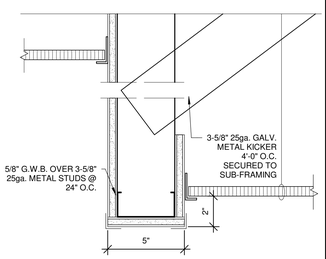
C1 CEILING TRANSITION
3"=1'-0" A8-019 (011215)



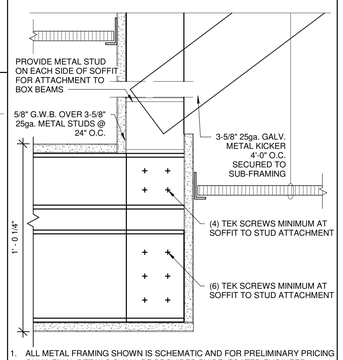
D1 BULK HEAD
3"=1'-0" A8-007A (121114)



D2 TV MONITOR SUPPORT DETAIL
1/2"=1'-0" A8-040 (011215)

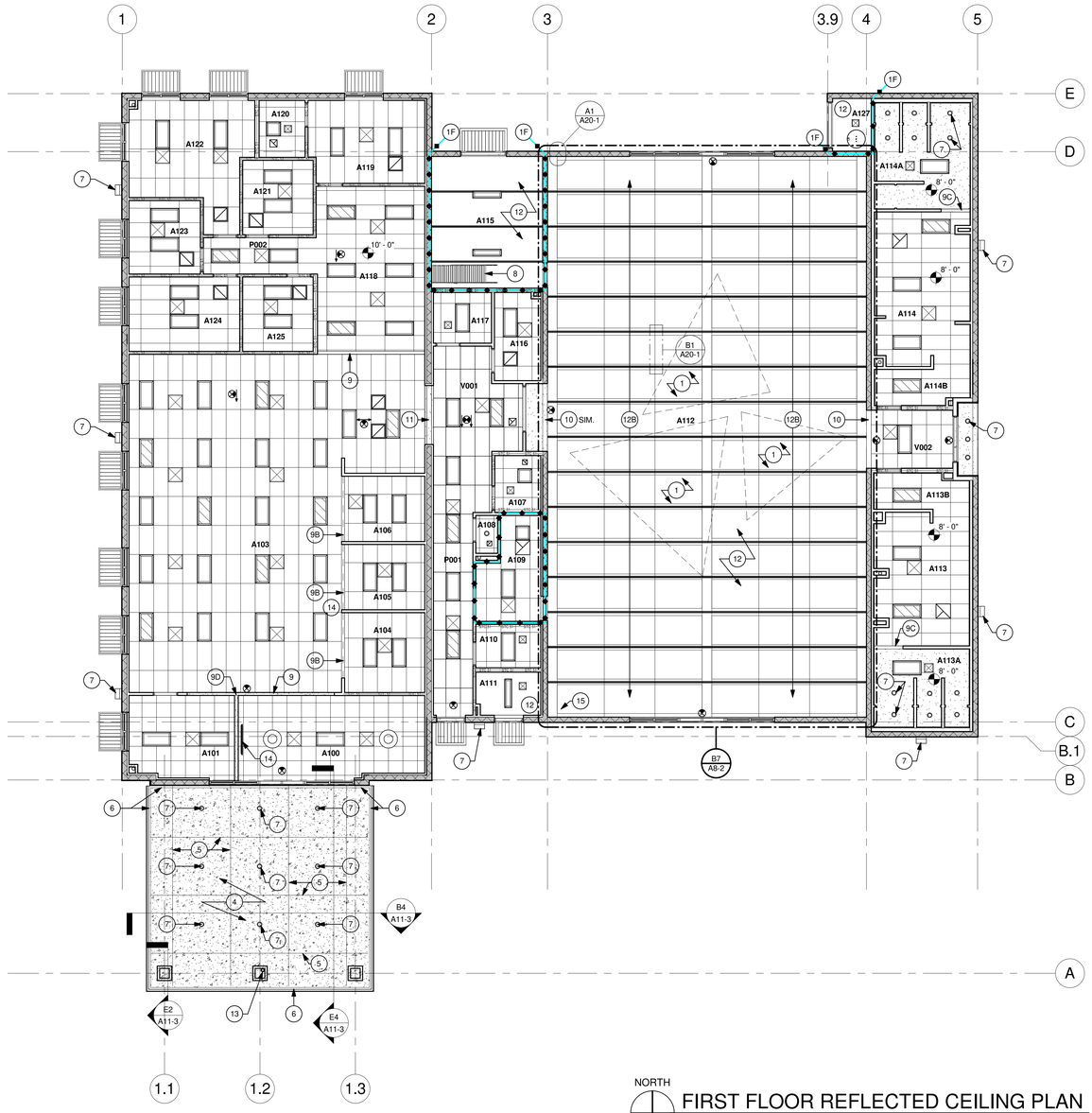


E1 CEILING TRANSITION
3"=1'-0" A8-019 (011215)



1. ALL METAL FRAMING SHOWN IS SCHEMATIC AND FOR PRELIMINARY PRICING ONLY. FINAL DETAILS SHALL BE PROVIDED BY DELEGATED ENGINEER.
2. 18 ga.GUSSET PLATE @ 24" O.C.

E2 CEILING TRANSITION
3"=1'-0" A8-019 (112624)



NORTH

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

CEILING PLAN LEGEND

- 2X2 LAY-IN ACOUSTICAL CEILING (REFER TO FINISH SCHEDULE) ON GRID.
- 2X4 LAY-IN ACOUSTICAL CEILING (REFER TO FINISH SCHEDULE) ON GRID.
- 5/8" THICK GYPSUM WALLBOARD CEILING OR SOFFIT.
- STUCCO CEILING/SOFFIT (EXTERIOR OF BLDG.) ON GALVANIZED METAL LATH ON SUSPENDED SYSTEM. (REFER TO DETAILS).
- 2X4 RECESSED L.E.D. LUMINAIRE (REFER TO ELECTRICAL DRAWINGS).
- 2X2 RECESSED L.E.D. LUMINAIRE (REFER TO ELECTRICAL DRAWINGS).
- SURFACE MOUNTED L.E.D. LUMINAIRE (REFER TO ELECTRICAL DRAWINGS).
- SURFACE MOUNTED STRIP L.E.D. LUMINAIRE (REFER TO ELECTRICAL DRAWINGS).
- EMERGENCY BATTERY LIGHT UNIT (REFER TO ELECTRICAL DRAWINGS).
- RECESSED L.E.D. LUMINAIRE (REFER TO ELECTRICAL DRAWINGS).
- EXIT LIGHT (REFER TO ELECTRICAL DRAWINGS).
- (S) SMOKE DETECTOR, CEILING MOUNTED U.N.O. (REFER TO ELECTRICAL DRAWINGS).
- (H) HEAT DETECTOR (REFER TO ELECTRICAL DRAWINGS).
- (D) CALL DOME LIGHT (REFER TO ELECTRICAL DRAWINGS).
- DIFFUSER GRILLE (REFER TO MECH. DRAWINGS).
- RETURN AIR GRILLE (REFER TO MECHANICAL DRAWINGS).
- EXHAUST GRILLE (REFER TO MECH. DRAWINGS).
- AP ACCESS PANEL.
- PENDANT SPRINKLER HEAD EXISTING
- (D) PENDANT SPRINKLER HEAD EXISTING (D - DRY PENDENT)
- (U) PENDANT SPRINKLER HEAD EXISTING (U - UPRIGHT SPRINKLER HEAD)
- PENDANT SPRINKLER HEAD NEW
- (D) PENDANT SPRINKLER HEAD NEW (D - DRY PENDENT)
- (U) PENDANT SPRINKLER HEAD NEW (U - UPRIGHT SPRINKLER HEAD)
- RECESSED (CONCEALED) SPRINKLER HEAD EXISTING
- RECESSED (CONCEALED) SPRINKLER HEAD NEW
- SEMI-RECESSED SPRINKLER HEAD
- SIDE WALL SPRINKLER HEAD

CEILING GENERAL NOTES

1. WHERE IT IS NOT POSSIBLE TO INSPECT FIRE AND FIRE/SMOKE PARTITIONS BECAUSE OF THE FIRE-TEST MEMBRANE OF GYPSUM WALL BOARD CEILINGS, ACCESS PANELS SHALL BE INSTALLED ADJACENT TO EACH SIDE OF THE PARTITION AT INTERVALS NOT EXCEEDING 30 FEET AND IN SUCH LOCATIONS AS NECESSARY TO VIEW ALL SURFACES OF THE PARTITION. INSTALL FIRE RATED ACCESS PANELS IN ALL FIRE RATED CEILINGS AND FIRE-TESTED MEMBRANES.
2. CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL CEILING MOUNTED EQUIPMENT.

CEILING KEY NOTES

1. FOR SAILS, SEE B7/A8-2
2. BULK HEAD, SEE DETAIL D1/A8-1
3. NOT USED
4. CEMENT PLASTER (STUCCO) INSTALLED PER SPECIFICATION SECTION 09 24 23.10; COLORS TO BE DETERMINED.
5. CONTROL JOINT
6. 3" WIDE VENT
7. LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
8. ROOF HATCH ABOVE WITH SHIPS LADDER, SEE ROOF PLAN SHEET A9-1 & DETAILS ON A12-1
9. CEILING TRANSITION, SEE DETAIL E1/A8-1
9B. CEILING TRANSITION WITH CUBICLE CURTAIN TRACK, SEE DETAIL C1/A8-1
9C. CEILING TRANSITION, SEE DETAIL A3/A8-1.
9D. CEILING TRANSITION WITH RECEPTION SOFFIT, SEE DETAIL E2/A8-1
10. CEILING TRANSITION AT CONCRETE BEAM, SEE DETAIL B1/A8-1
11. CEILING TRANSITION, SEE DETAIL A4/A8-1.
12. EXPOSED STRUCTURE PAINTED, SEE DRAWING A19-1.
12B. CEILING BANNER, SEE ELEVATIONS
13. CONCEALED ROOF DRAIN, SEE PLUMBING DRAWINGS AND DETAILS D5 & E5/A20-1
14. MONITOR SUPPORT FROM STRUCTURE ABOVE, SEE DETAIL D2/A8-1 AND STRUCTURAL DRAWINGS
15. SIDEWALL EXHAUST GRILLE, SEE MECHANICAL DRAWINGS

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Project Name:

JACKSON PHYSICAL THERAPY CENTER

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Project Location:

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Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

#	REVISIONS	
No.	Description	Date

Drawing Title:

FIRST FLOOR REFLECTED CEILING PLAN

Drawing Number:

A8-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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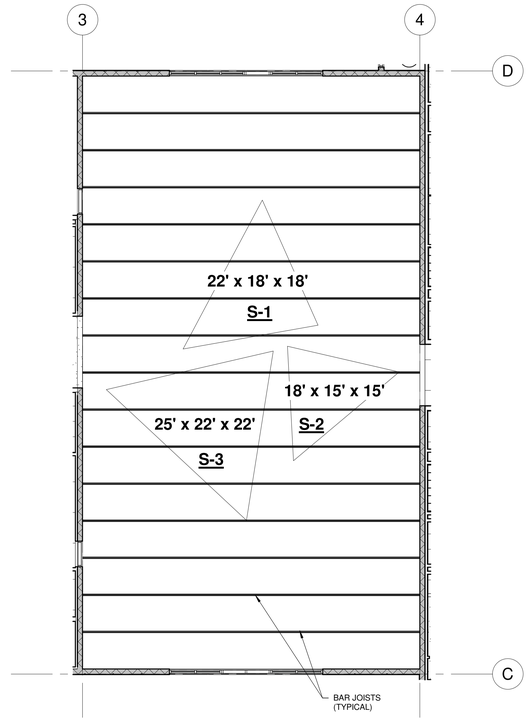
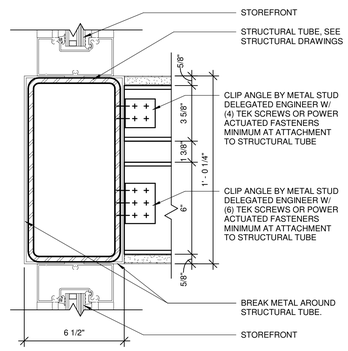


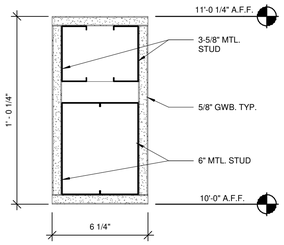
S-1: COOLNET BY SHADE SYSTEMS INC., COLOR BLIZZARD BLUE
S-2: COOLNET BY SHADE SYSTEMS INC., COLOR AQUATIC BLUE
S-3: COOLNET BY SHADE SYSTEMS INC., COLOR LAGOON BLUE

B7 SAIL OVER POOL LAYOUT
1/8" = 1'-0"



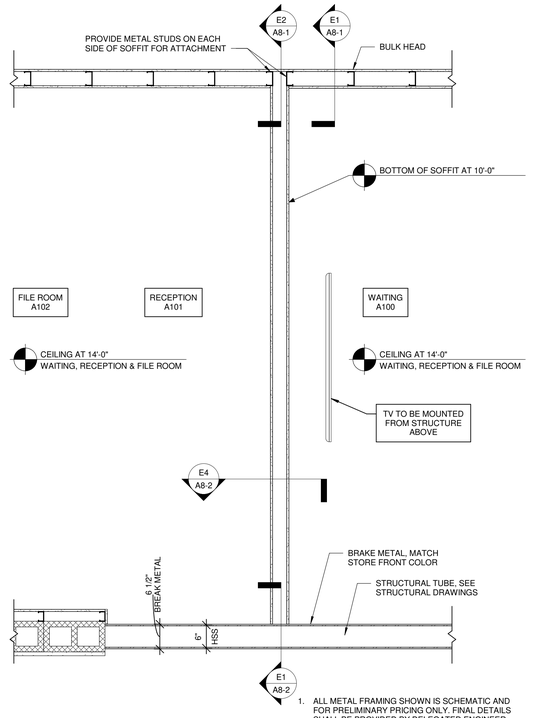
1. ALL METAL FRAMING SHOWN IS SCHEMATIC AND FOR PRELIMINARY PRICING ONLY. FINAL DETAILS SHALL BE PROVIDED BY DELEGATED ENGINEER.

E1 SOFFIT TO STRUCTURAL TUBE
3" = 1'-0"



1. ALL METAL FRAMING SHOWN IS SCHEMATIC AND FOR PRELIMINARY PRICING ONLY. FINAL DETAILS SHALL BE PROVIDED BY DELEGATED ENGINEER.

E4 SECTION AT RECEPTION SOFFIT
3" = 1'-0"



1. ALL METAL FRAMING SHOWN IS SCHEMATIC AND FOR PRELIMINARY PRICING ONLY. FINAL DETAILS SHALL BE PROVIDED BY DELEGATED ENGINEER.
2. 18 ga.GUSSET PLATE @ 24" O.C.

E7 RECEPTION SOFFIT PLAN
3/4" = 1'-0"

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CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

FIRST FLOOR REFLECTED CEILING PLAN

Drawing Number:

A8-2

Drawn by: MBA
Checked by: RB
Scale: As indicated

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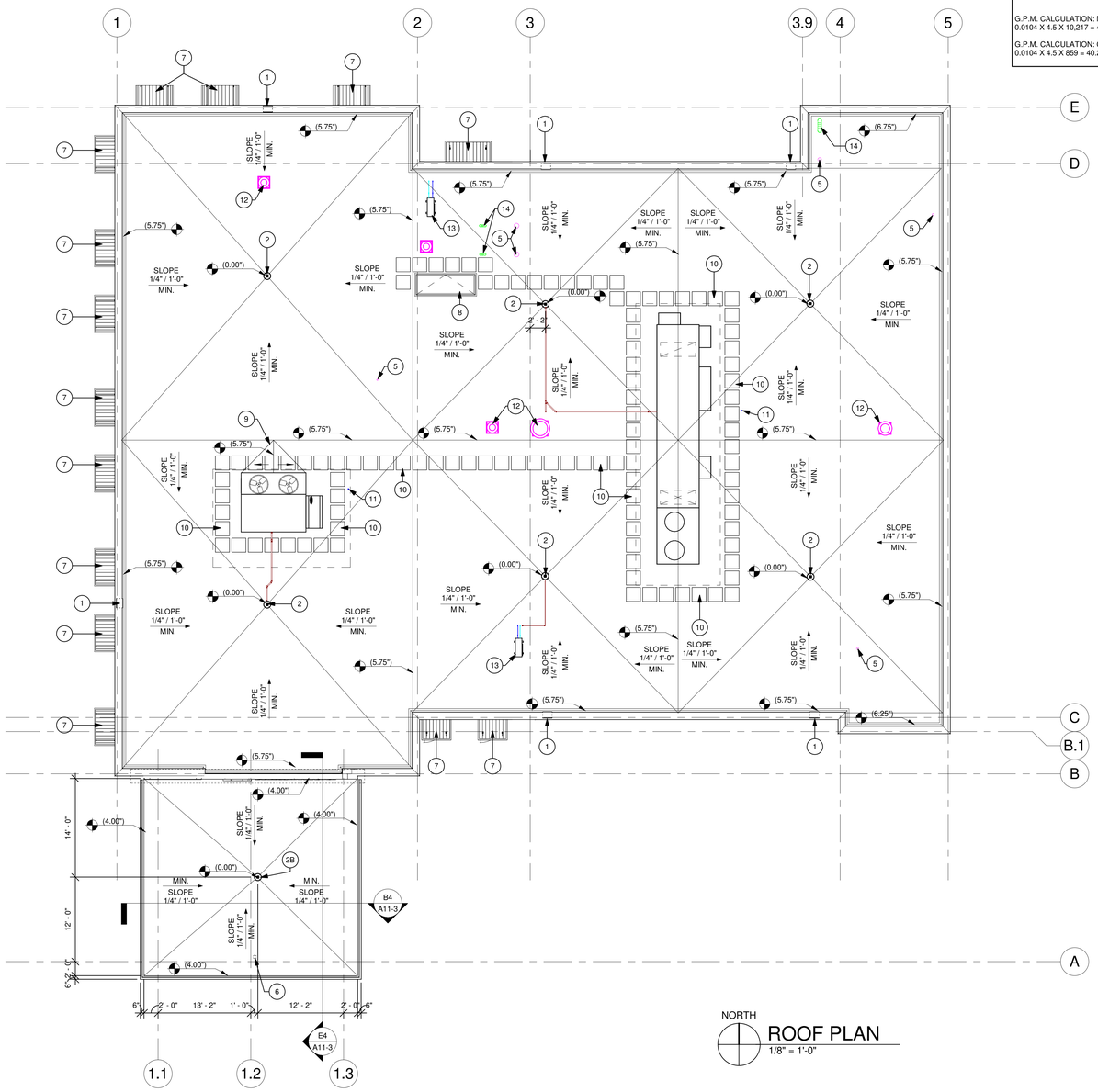


NORTH

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

RAINAGE CALCULATION

1. USE THE FOLLOWING FORMULA TO DETERMINE G.P.M.:
   G.P.M. = .0104 x R x A
   G.P.M. = GALLONS PER MINUTE
   R = RAINFALL INTENSITY - INCHES/HOUR
   A = ROOF AREA - SQUARE FEET
   .0104 = CONVERSION FACTOR - G.P.M./SQ. FT. FOR 1" (ONE) INCH/HR. RAINFALL

2. **EXAMPLE:**
   A. 4" RAINFALL INCHES/HR.
   B. 100,000 SQ. FT. ROOF AREA
   C. G.P.M. = .0104 x 4" x 100,000 SQ. FT. = 4,160 G.P.M.

G.P.M. CALCULATION: MAIN ROOF
0.0104 X 4.5 X 10,217 = 478.16 = 479 G.P.M.

G.P.M. CALCULATION: CANOPY
0.0104 X 4.5 X 859 = 40.20 = 41 G.P.M.

ROOF PLAN GENERAL NOTES

1. CONTRACTOR AND ROOFING CONTRACTOR SHALL PROVIDE A COMPLETE AND WATER TIGHT ROOFING INSTALLATION.
2. ROOF SHALL BE A MINIMUM OF R=30.
3. BASIS OF DESIGN: ELEVATE ULTRAPLY TPO.

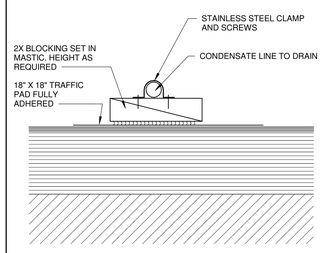
ROOF PLAN KEY NOTES

1. OVERFLOW SCUPPER
2. ROOF DRAIN, SEE DETAIL E6/A9-1 AND PLUMBING DRAWINGS COORDINATE WITH STRUCTURAL
2B. ROOF DRAIN, SEE DETAIL E5/A9-1 AND PLUMBING DRAWINGS COORDINATE WITH STRUCTURAL
3. ROOF TOP UNIT, SEE MECHANICAL DRAWINGS
4. 2' X 4' ROOF WALKWAY PADS SPACED APART 6"
5. VENT THROUGH ROOF, SEE MECHANICAL DRAWINGS
6. CONCEALED RAIN WATER LEADER IN COLUMN BELOW, SEE DETAILS D5 & E5/A20-1 AND PLUMBING DRAWINGS.
7. AWNING, SEE AWNING DETAILS ON SHEET A9-2
8. ROOF HATCH WITH SHIPS LADDER
9. CRICKETS
10. 2' X 2' ROOF WALKWAY PADS SPACED APART 6"
11. ROOF HYDRANT, SEE PLUMBING DRAWINGS
12. EXHAUST FAN, SEE MECHANICAL DRAWINGS
13. HEAT PUMP, SEE MECHANICAL AND ELECTRICAL DRAWINGS
14. AIR INTAKE, SEE MECHANICAL DRAWINGS

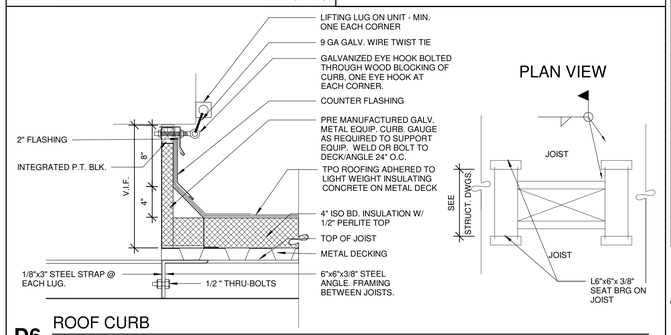
ROOFING NOTES

IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO PROVIDE FOR A COMPLETE AND WEATHERTIGHT INSTALLATION OF ALL ROOF ITEMS, PENETRATIONS, ETC. THE CONTRACTOR SHALL PROVIDE ALL ROOF ACCESSORIES, FLASHING, SEALANT, SCUPPERS, DRAINS, LABOR, MATERIALS, EQUIPMENT, ETC. REQUIRED FOR COMPLETION OF A WEATHERTIGHT ROOF INSTALLATION. FOLLOW ALL RECOMMENDATIONS OF THE NRCA REGARDING INSTALLATION PROCEDURES, UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED.

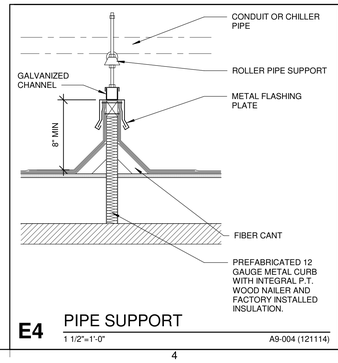
1. GENERAL - REFER ALSO TO GENERAL NOTES ON SHEET X1-1.
2. COORDINATION - GENERAL CONTRACTOR SHALL COORDINATE ALL TRADES TO ALLOW FOR TIMELY INCLUSION OF ALL REQUIRED ITEMS NECESSARY TO COMPLETE THE ROOF WORK.
3. ELEVATIONS - LOCATIONS THAT ARE NOTED THUS (+5') INDICATE THKNS. OF ROOF INSULATION ABOVE ELEV. (0) AT ROOF DRAIN.
4. SLOPE- ROOF SURFACE SHALL HAVE A MIN. SLOPE OF 1/4" PER FOOT IN A PERPENDICULAR DIRECTION FROM THE ROOF EDGE DOWN TOWARD THE ROOF DRAINS AS INDICATED BY THE ARROWS DRAWN ON THE ROOF PLAN. WHERE REQUIRED TO FACILITATE DRAINAGE, PROVIDE VALLEYS, CRICKETS, RIDGES, ETC. OF REQUIRED SLOPE TO PROPERLY DRAIN ALL ROOF SURFACES.
5. ROOF DRAINS- ROOF DRAINS SHALL BE SIZED AS INDICATED ON THE PLUMBING DRAWINGS. LOCATE ALL ROOF DRAINS AS INDICATED AND TO AVOID RATED WALLS, BEAMS, COLUMNS, AND TRUSSES BELOW. INSTALL ALL REQUIRED FLASHING, COLLARS, STRAINERS, GRAVEL STOPS, PANS, SEALANT, ETC. AS REQUIRED FOR A COMPLETE AND WATERTIGHT INSTALLATION.
6. PENETRATIONS - PROPERLY FLASH, WATERPROOF, SECURE AND SEAL ALL ITEMS THAT PENETRATE THE ROOF MEMBRANE. DO NOT INSTALL ANY PITCH POCKETS, BUT RATHER FOLLOW GUIDELINES OF NRCA CONCERNING FLASHING AND WATERPROOFING ALL ROOF PENETRATIONS. SEE ALSO ROOF DETAILS.
7. ROOF EQUIPMENT - MOUNT ALL ROOF EQUIPMENT ON STRUCTURAL EQUIPMENT SUPPORT CURBS WITH INTEGRAL INSULATION. PROVIDE ALL CANT STRIPS, BASE FLASHING, COUNTERFLASHING AND ALL REQUIRED WATERPROOFING AS REQUIRED FOR A COMPLETE WATERTIGHT ROOF SYSTEM. WHERE EQUIPMENT IS RAISED ABOVE ROOF SURFACE, ALIGN SUPPORTS PARALLEL TO DIRECTION OF WATERFLOW TO FACILITATE DRAINAGE. VERIFY ALL REQUIREMENTS WITH EQUIPMENT AND CURB MANUFACTURERS. WHERE ROOF MEMBRANE EXTENDS BENEATH EQUIPMENT, MOUNT EQUIPMENT HIGH ENOUGH ABOVE THE ROOF SURFACE TO ALLOW FOR NSTALLATION OF ALL REQUIRED ROOFING COMPONENTS.
8. ROOF EDGES - WHERE INDICATED, PROVIDE ROOF EDGE CONDITION AS SHOWN ON DRAWINGS. MATERIAL AND COLOR SHALL MATCH. COPINGS & BE COMPATIBLE WITH ROOFING MATERIAL. PROVIDE GRAVEL STOPS OF SAME MATERIAL WHERE INDICATED.
9. SCUPPERS - INSTALL SCUPPERS OF SIZE, MATERIAL, AND LOCATION IN PROJECT MANUAL OR AS OTHERWISE REQ'D BY CODE OR GVRN'G AUTHORITIES. SCUPPERS SHALL BE CONT. FLASHED, SEALED AND INSTALLED WTHRTGHT, AT ALL LOCATIONS. PROVIDE GRAVEL STOPS OF SAME MATERIAL AS SCUPPER WHEN ROOF MEMBRANE IS A BALLASTED SYSTEM.
10. ROOF MEMBRANE - TPO FULLY ADHERED ROOF MEMBRANE AS SPECIFIED AND PROVIDE ALL REQ'D ACCESSORIES, BASE PROJECT MANUAL. FLASHING, WATERPOOFING, SEALANT, NON-CORROSIVE MECH. FASTENERS, ETC. NECESSARY FOR A COMPLETE AND WEATHERTIGHT INSTALLATION. REINFORCE ALL CORNERS, BENDS, PARAPETS, ROOF EDGES, EXP. JOINTS, ETC. WITH AN ADDITIONAL LAYER OF MEMBRANE AND MASTIC EXTENDING A MIN. OF 2" EACH SIDE OF JOINT, CORNER OR ITEM. ROOF SYSTEM SHALL MEET ALL REQ'S. FOR FLORIDA PRODUCT APPROVAL AS SPECIFIED BY ROOF MANUFACTURER FOR ROOF INSTALLATION AND CONFORM TO U.L. REQS. FOR A CLASS "A" ROOF ASSEMBLY.
11. ENGINEERING ITEMS - REFER TO STRUCTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFO ASSOCIATED WITH THE ROOF CONSTRUCTION.
12. ADD SUPPORT FOR HANGING CEILINGS, DUCTS, PIPES, ETC. AS REQUIRED. DO NOT HANG ANY ITEMS FROM THE ROOF METAL DECKING. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFO. CONTRACTOR SHALL PROVIDE SUPPORTS (AS APPROVED BY THE STRUCTURAL ENGINEER) FROM STRUCTURAL MEMBER TO STRUCTURAL MEMBER WHEN NECESSARY.



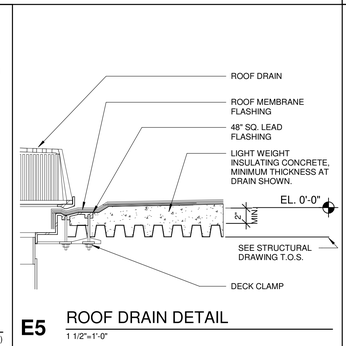
C6 CONDENSATE LINE SUPPORT
N.T.S. A9-005 (121114)



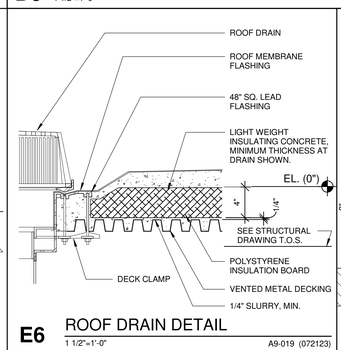
D6 ROOF CURB
1 1/2"=1'-0" A9-003D (121514)



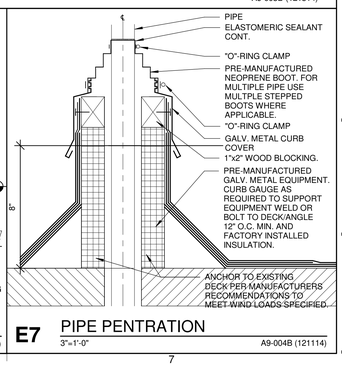
E4 PIPE SUPPORT
1 1/2"=1'-0" A9-004 (121114)



E5 ROOF DRAIN DETAIL
1 1/2"=1'-0"



E6 ROOF DRAIN DETAIL
1 1/2"=1'-0" A9-019 (072123)



E7 PIPE PENTRATION
3"=1'-0" A9-004B (121114)

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Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

ROOF PLAN & DETAILS

Drawing Number:

A9-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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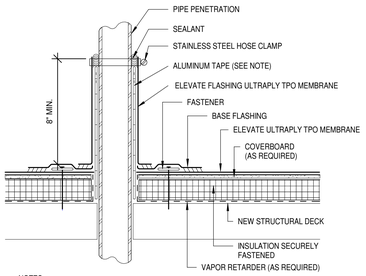
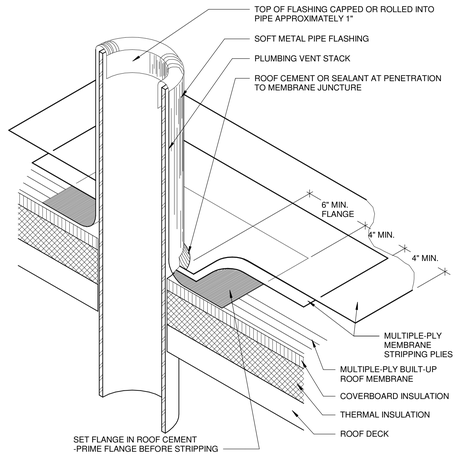


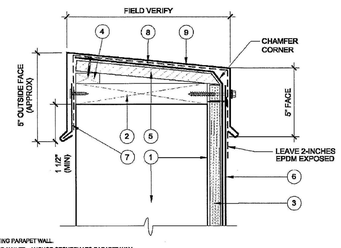
NOTES:
1. ALUMINUM TAPE IS REQUIRED IF PENETRATION IS CONTAMINATED.
2. VAPOR RETARDER SHALL BE SEALED AT EDGES.

A1 PIPE PENETRATION FLASHING
3" = 1'-0" (072023)

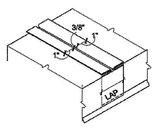


A3 PLUMBING VENT
3" = 1'-0" A9-059 (112415)

A 10



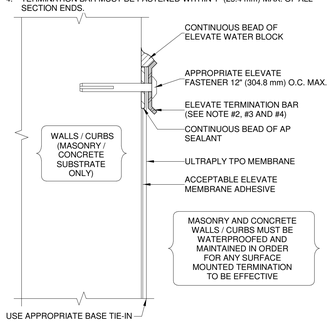
1. NEW/EXISTING PARAPET WALL.
2. 2X PT WOOD NAILER. ANCHOR SECURELY TO PARAPET WALL WITH SPECIFIED FASTENERS.
3. RE-ROOF NO: INSTALL NEW 5/8-INCH PLYWOOD TO ALL PARAPET WALLS. ANCHOR SECURELY WITH SPECIFIED FASTENERS.
3. NEW CONSTRUCTION: INSTALL BASE FLASHING DIRECTLY TO PARAPET WALL.
4. 1X PT WOOD NAILER (SHADED). ANCHOR SECURELY.
5. 30-INCH PT PLYWOOD. CHAMFER CORNERS AS SHOWN. INSTALL TO SLOPE TOWARDS ROOF.
6. 2-PLY WALL (BASE) FLASHING SYSTEM. CONTINUE SMOOTH PLY MEMBRANE OVER TOP OF WALL, TYPICAL.
7. CONTINUOUS 0.063-INCH ALUMINUM COPING CLEAT. ANCHOR SECURELY TO NAILER WITH SPECIFIED FASTENERS 6-INCHES O.C.
8. CONTINUOUS SHEET OF 45 MIL EPDM. SEAL ALL LAPS WITH SPECIFIED ADHESIVE OR SEAM TAPE. EXTEND EPDM TO COVER ALL WOOD AND DOWN ROOF SIDE TO EXPOSE 2-INCHES (MINIMUM). ALTERNATE: AN APPROVED 40 MIL PEEL 'N' STICK MEMBRANE MAY ALSO BE USED.
9. CONTINUOUS 0.063-INCH ALUM. COPING CAP. SHOP FABRICATE ALL TRANSITIONS, CORNERS AND BENDS 24" FROM EDGE. SOLDER SOLID (HELIARC) ALL JOINTS. ENGAGE SECURELY TO COPING CLEAT AND FASTEN 12-INCHES O.C. IN SLOTTED HOLES. PROVIDE 3-INCH WIDE 0.040-INCH ALUM. DRIVE CLEATS AT LAPS. TURN DOWN DRIVE CLEAT TO COVER FACE OF COPING AND CRIMP METAL TO ENGAGE DRIP EDGE (BOTH SIDES).



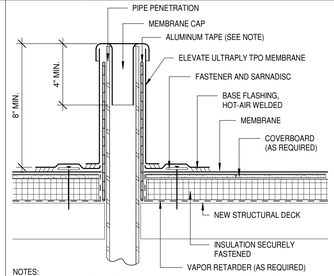
TYPICAL LAP CONDITION FOR DRIVE CLEATS

A4 PARAPET DETAIL
3" = 1'-0"

NOTE:
1. REFER TO THE ELEVATE™ WEBSITE FOR MOST CURRENT INFORMATION.
2. INSTALL ELEVATE TERMINATION BAR WITH 1/4" (6.35 mm) GAP BETWEEN ADJOINING SECTIONS.
3. TERMINATION BAR MUST BE CUT AT INSIDE AND OUTSIDE CORNERS. DO NOT BEND AROUND CORNERS.
4. TERMINATION BAR MUST BE FASTENED WITHIN 1" (25.4 mm) MAX. OF ALL SECTION ENDS.

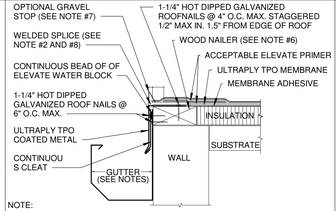


A7 TERMINATION
NOT TO SCALE



NOTES:
1. ALUMINUM TAPE IS REQUIRED IF PENETRATION IS CONTAMINATED.
2. VAPOR RETARDER SHALL BE SEALED AT EDGES.

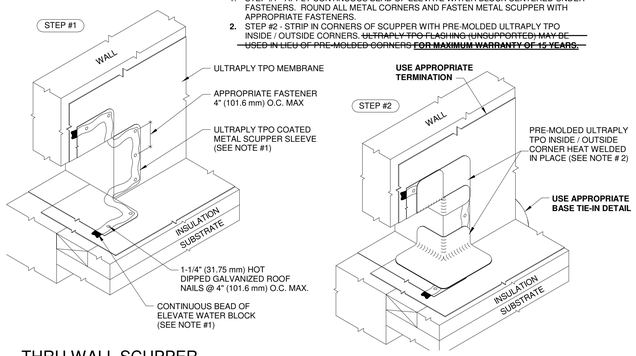
D2 VENT STACK FLASHING
3" = 1'-0"



NOTE:
1. REFER TO THE ELEVATETM/ WEBSITE FOR THE MOST CURRENT INFO.
2. REFER TO DETAIL UT-LS-01 OR UT-LS-02 FOR WELD WIDTH.
3. ROUND ALL METAL CORNERS AND PLACE BACK OF GUTTER STRAP 1/4" BELOW TOP OF WOOD NAILER.
4. DO NOT PRE-NAIL MEMBRANE TO THE FACE OF THE WOOD NAILER.
5. CONSTRUCT AND ANCHOR GUTTER IN ACCORDANCE WITH SMACNA RECOMMENDATIONS.
6. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES.
7. CONTACT ELEVATE ROOFING SOLUTION FOR BALLASTED ROOF SYSTEMS.
8. WHEN REINF. OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

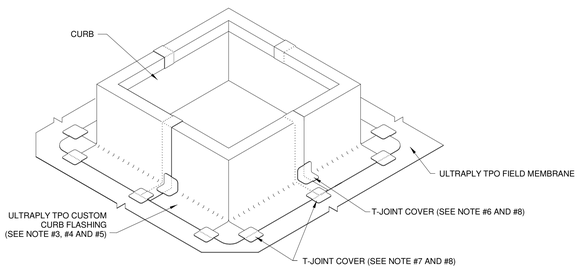
D3 ROOF EDGE GUTTER
NOT TO SCALE (072023)

NOTE:
1. STEP #1 - APPLY CONTINUOUS BEAD OF ELEVATE WATER BLOCK CENTERED UNDER FASTENERS. ROUND ALL METAL CORNERS AND FASTEN METAL SCUPPER WITH APPROPRIATE FASTENERS.
2. STEP #2 - STRIP IN CORNERS OF SCUPPER WITH PRE-MOLDED ULTRAPLY TPO INSIDE / OUTSIDE CORNERS. ~~ULTRAPLY TPO FLASHING (UNSUPPORTED) MAY BE USED IN LIEU OF PRE-MOLDED CORNERS~~ **FOR MAXIMUM WARRANTY OF 15 YEARS.**

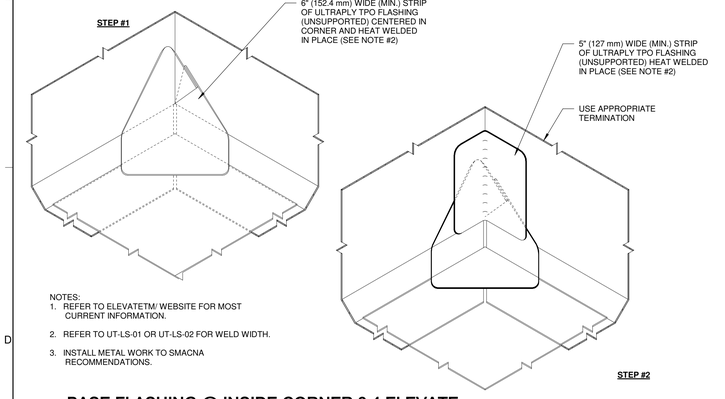


B4 THRU WALL SCUPPER
NOT TO SCALE

NOTE:
1. REFER TO ELEVATETM/ WEBSITE FOR MOST CURRENT INFORMATION.
2. FASTENERS. ROUND ALL METAL CORNERS AND FASTEN METAL SCUPPER WITH APPROPRIATE FASTENERS.
3. REFER TO UT-LS-01 AND UT-LS-02 FOR WELD WIDTH.
4. BONDING ADHESIVE REQUIRED BETWEEN CURB AND CUSTOM CURB FLASHING.
5. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.
6. T-JOINT COVERS REQUIRED AT ALL VERTICAL TRANSITIONS ON NON-FACTORY WELDS FOR ALL MEMBRANE THICKNESS.
7. T-JOINT COVERS REQUIRED AT ALL 60 MIL REINFORCED MEMBRANE OVERLAPS.
8. ULTRAPLY TPO FLASHING (UNSUPPORTED) (4" X 4" MIN. WITH ROUNDED CORNERS) MAY BE USED IN LIEU OF T-JOINT COVER.



B6 CURB FLASHING CUSTOM
NOT TO SCALE (072123)

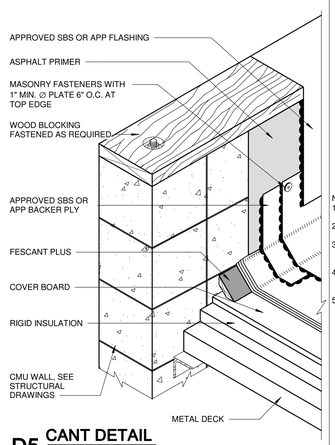


NOTES:
1. REFER TO ELEVATETM/ WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO UT-LS-01 OR UT-LS-02 FOR WELD WIDTH.
3. INSTALL METAL WORK TO SMACNA RECOMMENDATIONS.

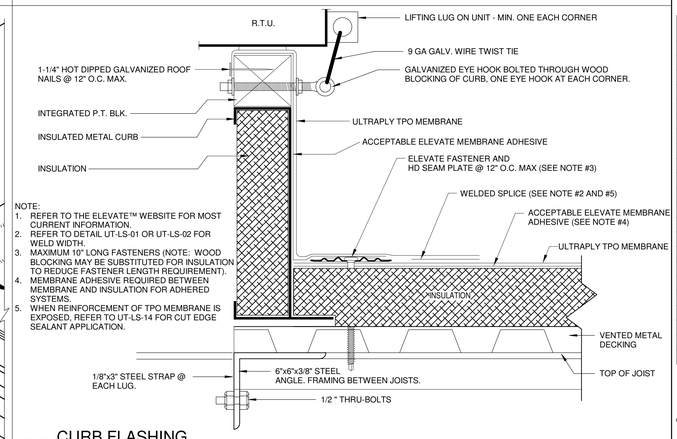
D1 BASE FLASHING @ INSIDE CORNER 3,4 ELEVATE
3" = 1'-0"

NOTE:
1. REFER TO THE ELEVATETM/ WEBSITE FOR THE MOST CURRENT INFORMATION.
2. INSTALL METALWORK TO MANUFACTURES REQUIREMENTS OR SMACNA RECOMMENDATIONS. IF SHOP FABRICATED METAL EDGE IS USED IT MUST MEET ANSI/SPRI ES-1 OR AN FM STANDARD.
3. ULTRAPLY TPO GP SEALANT IS REQUIRED ALONG ENTIRE UPSLOPE EDGE OF QUICKSEAM FLASHING WHEN ROOF SLOPE IS 1" PER FOOT OR GREATER.
4. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES.
5. FLANGE OF METAL MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" FROM EDGE OF WOOD.
6. ON BALLASTED ROOFS, GRAVEL STOP HEIGHT MUST MEET OR EXCEED BALLAST OR PAVER HEIGHT. (2" MIN. ABOVE ROOF SURFACE)
7. 9.5" TPO FLASHING MUST EXTEND TO WITHIN 1/4" OF THE FLANGE EDGE.
8. TO ENSURE FORMABILITY, SLIGHTLY HEAT-FORM THE SURFACE OF TPO QUICKSEAM PRODUCTS AT STEP-OFFS AND ANGLE CHANGES.
9. NON-ELEVATE METAL OR PRODUCTS ARE NOT COVERED UNDER THE RED SHIELD WARRANTY. PLEASE REFER TO TPO DESIGN GUIDE SECTION 1.10F.

D4 ROOF EDGE WITH FASCIA
NOT TO SCALE (072023)



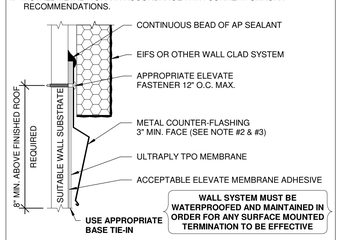
D5 CANT DETAIL
1 1/2" = 1'-0"



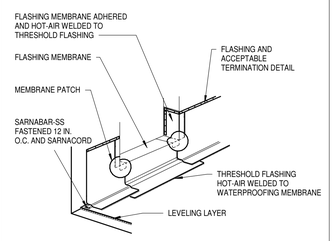
NOTE:
1. REFER TO THE ELEVATE™ WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO DETAIL UT-LS-01 OR UT-LS-02 FOR WELD WIDTH.
3. MAXIMUM 10" LONG FASTENERS (NOTE: WOOD BLOCKING MAY BE SUBSTITUTED FOR INSULATION TO REDUCE FASTENER LENGTH REQUIREMENT).
4. MEMBRANE ADHESIVE REQUIRED BETWEEN MEMBRANE AND INSULATION FOR ADHERED SYSTEMS.
5. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

D6 CURB FLASHING
NOT TO SCALE (080323)

NOTE:
1. REFER TO THE ELEVATE™ WEBSITE FOR MOST CURRENT INFORMATION.
2. REGULAR MAINTENANCE OF COUNTER-FLASHING AND SEALANTS REQUIRED. NOT INCLUDED AS PART OF THE RED SHIELD WARRANTY.
3. METAL COUNTER-FLASHING SHALL BE 24 GAUGE PRE-FINISHED STEEL OR .032" MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE.
4. INSTALL METAL WORK IN ACCORDANCE WITH CURRENT SMACNA RECOMMENDATIONS.

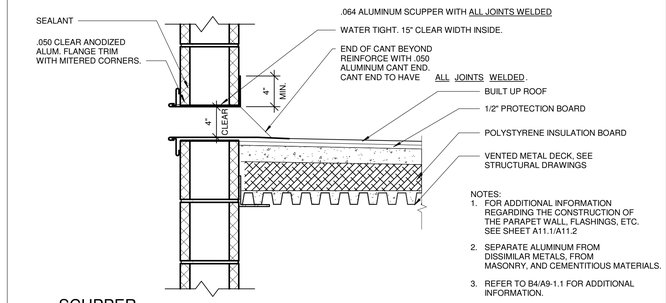


E4 TERMINATION AT EIFS
NOT TO SCALE (072023)



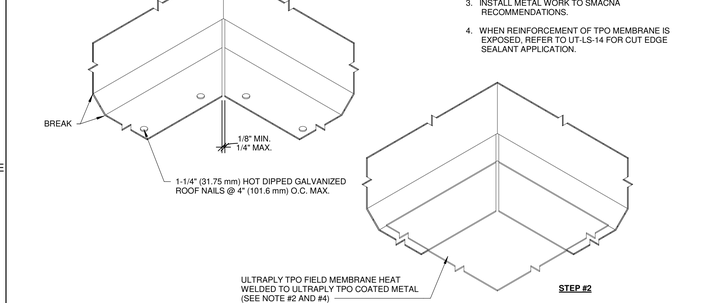
NOTES:
1. SUBSEQUENT LAYERS AND OVERBURDEN NOT SHOWN FOR CLARITY.
2. THREE WAY OVERLAP PATCHES NOT SHOWN FOR CLARITY

E5 ISOMETRIC THRESHOLD
NOT TO SCALE (072023)



NOTES:
1. FOR ADDITIONAL INFORMATION REGARDING THE CONSTRUCTION OF THE PARAPET WALL, FLASHINGS, ETC. SEE SHEET A11.1/A11.2
2. SEPARATE ALUMINUM FROM DISSIMILAR METALS, FROM MASONRY, AND CEMENTITIOUS MATERIALS.
3. REFER TO B4/A9-1.1 FOR ADDITIONAL INFORMATION.

E6 SCUPPER
1 1/2"=1'-0" A9-010 (030725)



NOTE:
1. REFER TO ELEVATETM/ WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO UT-LS-01 OR UT-LS-02 FOR WELD WIDTH.
3. INSTALL METAL WORK TO SMACNA RECOMMENDATIONS.
4. WHEN REINFORCEMENT OF TPO MEMBRANE IS EXPOSED, REFER TO UT-LS-14 FOR CUT EDGE SEALANT APPLICATION.

E1 BASE FLASHING @ INSIDE CORNER 1,2 ELEVATE
3" = 1'-0"

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Issue Date: 4/17/2025

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Drawing Title:

ROOF DETAILS

Drawing Number:

A9-1.1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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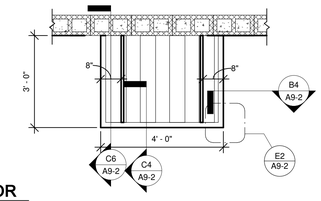
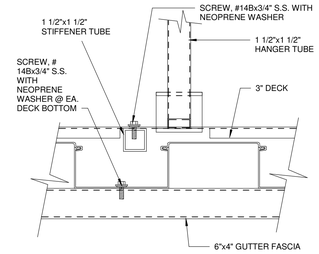
NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

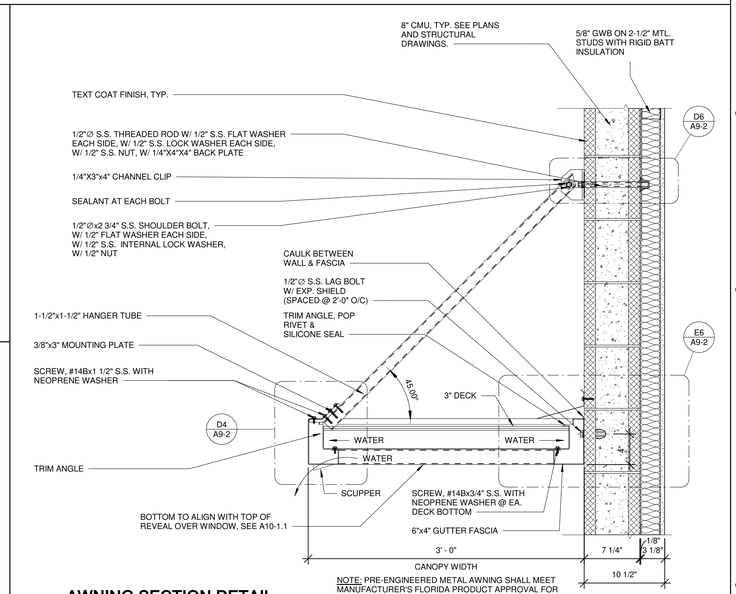


B2 AWNING PLAN - DOOR
1/2" = 1'-0"



NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

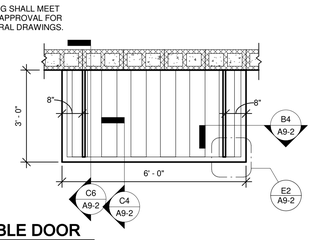
B4 ROD CONNECTION DETAIL
3" = 1'-0"



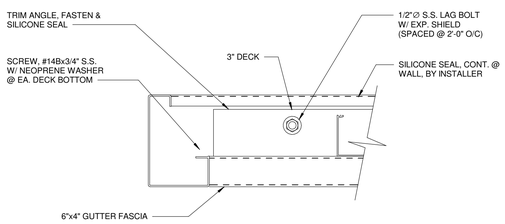
NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

C6 AWNING SECTION DETAIL
1 1/2" = 1'-0"

NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

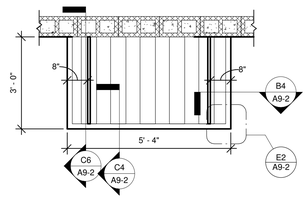


C2 AWNING PLAN - DOUBLE DOOR
1/2" = 1'-0"

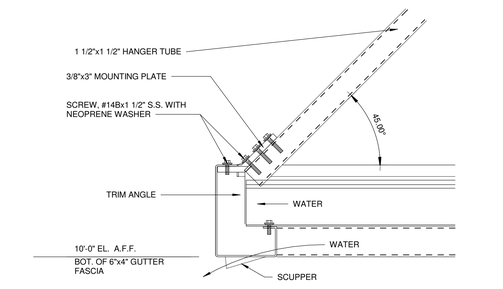


NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

C4 AWNING END 2
3" = 1'-0"

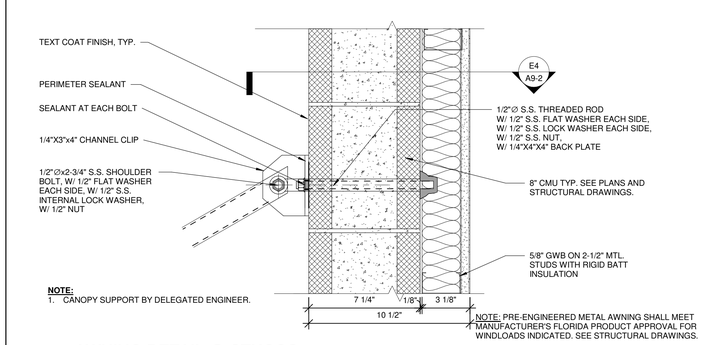


D2 AWNING PLAN - WINDOW
1/2" = 1'-0"



NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

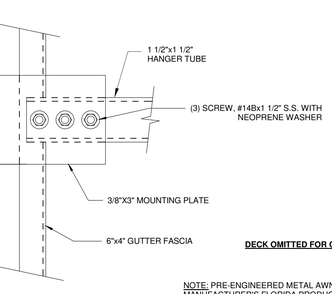
D4 AWNING END
3" = 1'-0"



NOTE:
1. CANOPY SUPPORT BY DELEGATED ENGINEER.

NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

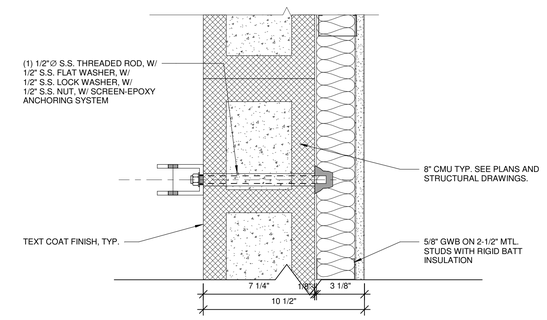
D6 AWNING DETAIL @ STUCCO
3" = 1'-0"



DECK OMITTED FOR CLARITY

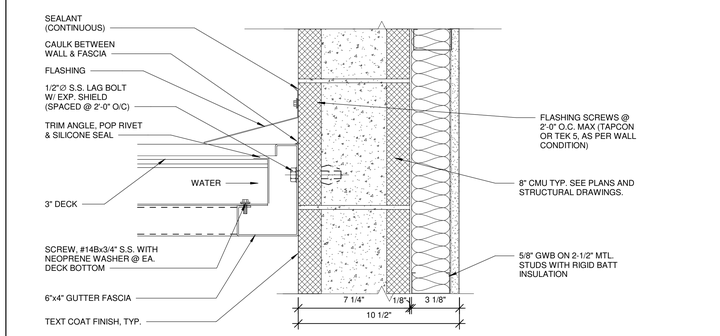
NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

E2 ROD CONNECTION - TOP VIEW
3" = 1'-0"



NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

E4 AWNING DETAIL - TOP VIEW
3" = 1'-0"



NOTE: PRE-ENGINEERED METAL AWNING SHALL MEET MANUFACTURER'S FLORIDA PRODUCT APPROVAL FOR WINDLOADS INDICATED. SEE STRUCTURAL DRAWINGS.

E6 AWNING DETAIL
3" = 1'-0"

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Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011

Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS

Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

AWNING AND ROOF DETAILS

Drawing Number:

A9-2

Drawn by: MBA
Checked by: RB
Scale: As indicated

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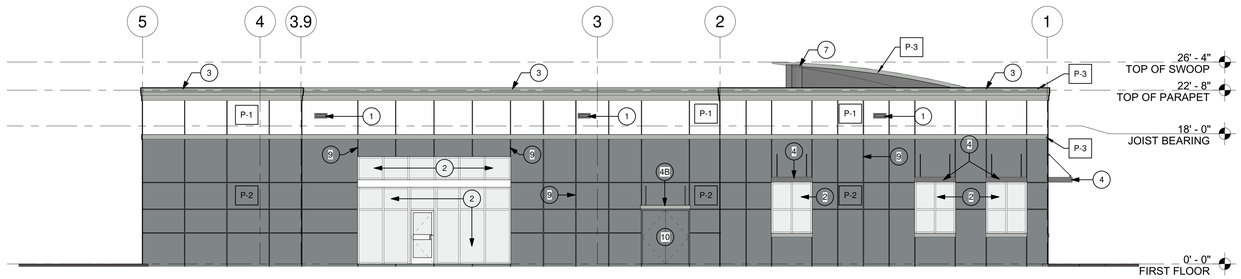
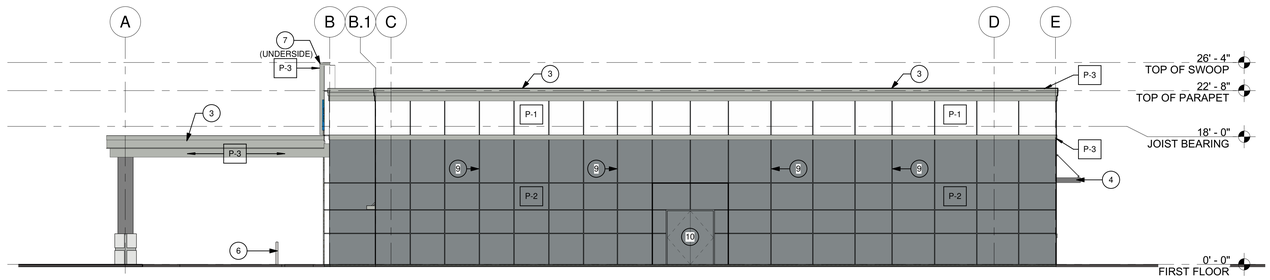
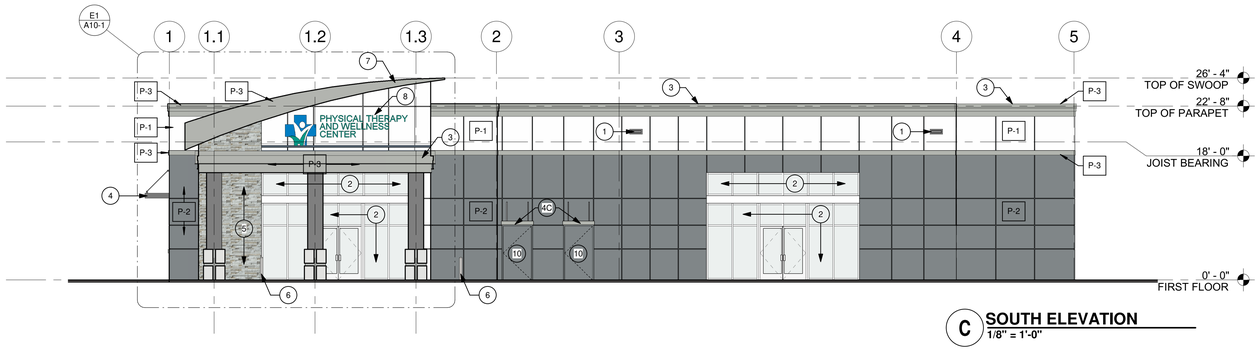


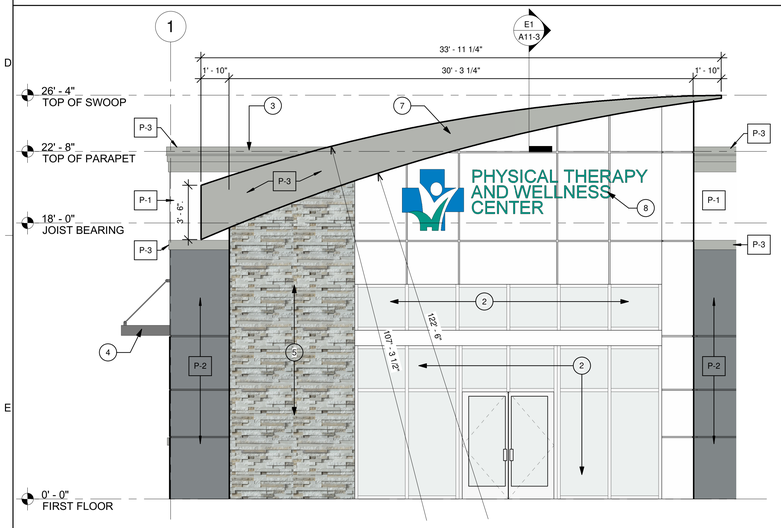
A **NORTH ELEVATION**
1/8" = 1'-0"



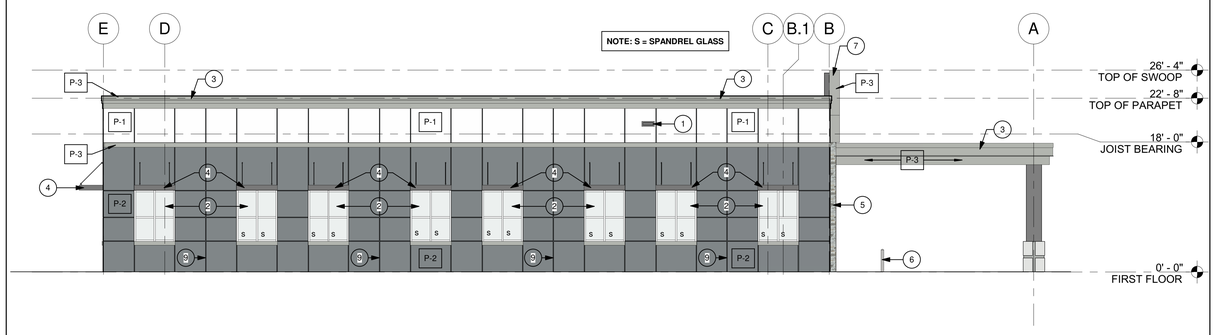
B **EAST ELEVATION**
1/8" = 1'-0"



C **SOUTH ELEVATION**
1/8" = 1'-0"



E1 **ENTRANCE BLOW UP**
1/4" = 1'-0"



D **WEST ELEVATION**
1/8" = 1'-0"

ELEVATION GENERAL NOTES

1. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR BEFORE CONSTRUCTION. ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES.
2. GENERAL CONTRACTOR TO COORDINATE FINAL EXTERIOR COLOR SCHEME WITH ARCHITECT PREVIOUS TO PAINTING WORK. CONTRACTOR SHALL PAINT ALL CEMENTITIOUS EXTERIOR SURFACES WITH ELASTOMERIC COATING. CONTRACTOR SHALL INCLUDE THE PAINTING OF 4 DIFFERENT COLORS WITH ELASTOMERIC PAINT.
3. "S" INDICATES SPANDREL GLASS.

KEY NOTES

1	OVERFLOW SCUPPER, SEE DETAIL E6/A9-1.1
2	STOREFRONT SYSTEM YHS 50 TU, SEE GL-1 COLOR KEY NOTE
3	COLORED ALUMINUM CAP FLASHING WITH CONTINUOUS CLEATS, COLOR SHALL BE AS INDICATED ON DRAWINGS
4	AWNING, SEE DETAIL D2/A9-2
4B	AWNING, SEE DETAIL C2/A9-2
4C	AWNING, SEE DETAIL B2/A9-2
5	VERTICAL STONE ELEMENT, SEE S-4 COLOR KEY NOTE
6	PIPE BOLLARD, SEE DETAIL E7/A11-3
7	SWOOP, SEE DETAIL E1/A11-3
8	SIGNAGE, COORDINATE WITH OWNER
9	MASONRY CONTROL JOINT, SEE DIMENSION PLAN A6-1
10	HOLLOW METAL DOOR FRAME AND DOOR PAINT SHALL MATCH EXTERIOR PAINT COLOR

COLOR KEY NOTES

HIGH PERFORMANCE COATING (TEX-COTE SUPER-COTE COOL WALLS) SHALL MATCH THE COLORS LISTED BELOW.

P-1	WALL TOP BASE: SW-7757 HIGH REFLECTIVE WHITE
P-2	WALL BOTTOM BASE: SW-7074 SOFTWARE
P-3	ACCENT GREY BANDS & FLASHING: SW-7058 MAGNETIC GRAY
S-4	BASIS OF DESIGN: TREK PRO-FIT TERRAIN LEDGESTONE AS MANUFACTURED BY CULTURED STONE WWW.CULTUREDTONE.COM
GL-1	INSULATED GLAZING SYSTEM TEMPERED OUTER GLASS WITH IMPACT RATED INNER GLASS, GREY IN COLOR - TBD AS MANUFACTURED BY VIRACON

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Seal & Signature:

Robert H. Blau, AIA

Project Name:

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Project Location:

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Marianna, FL 32446

CONSTRUCTION DOCUMENTS

Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

EXTERIOR ELEVATIONS

Drawing Number:

A10-1

Drawn by: MBA
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Scale: As indicated

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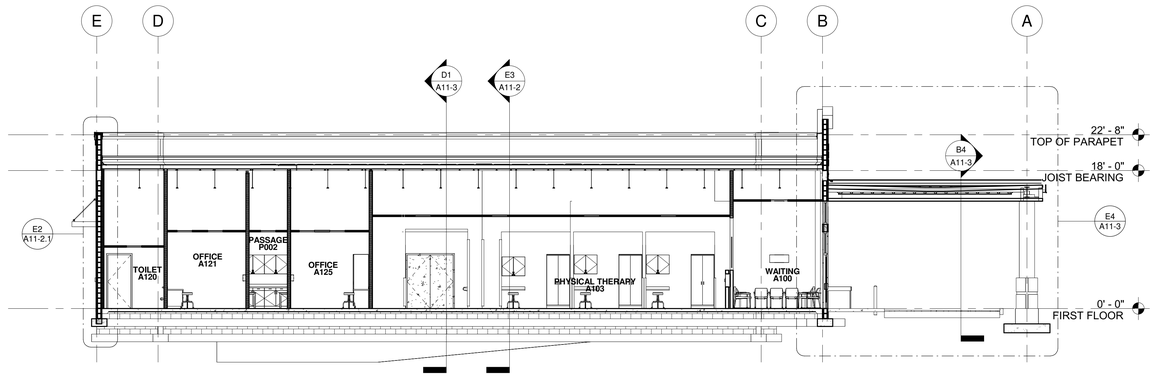
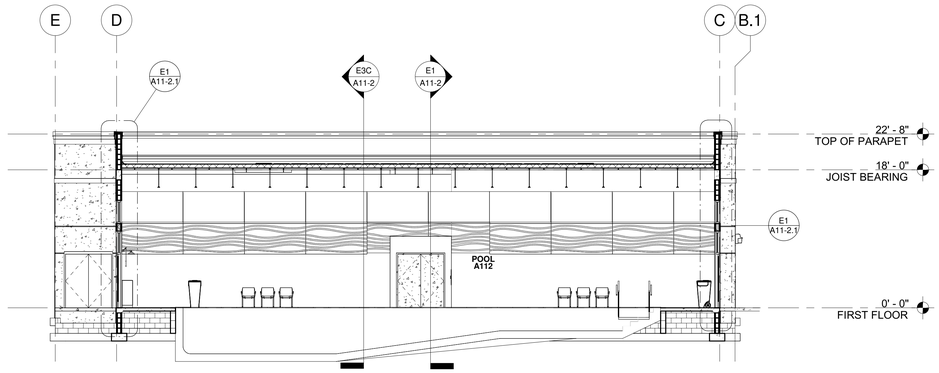
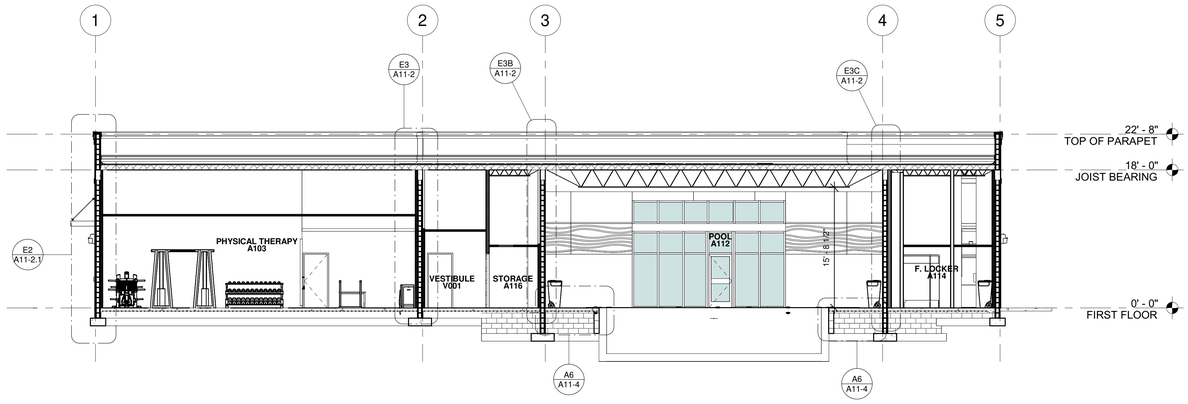


1 **Section 1**
1/8" = 1'-0"



2 **Section 2**
1/8" = 1'-0"



3 **Section 3**
1/8" = 1'-0"

KEY NOTES

1	OVERFLOW SCUPPER, SEE DETAIL E6/A9-1.1
2	STOREFRONT SYSTEM YHS 50 TU, SEE GL-1 COLOR KEY NOTE
3	COLORED ALUMINUM CAP FLASHING WITH CONTINUOUS CLEATS, COLOR SHALL BE AS INDICATED ON DRAWINGS
4	AWNING, SEE DETAIL D2/A9-2
4B	AWNING, SEE DETAIL C2/A9-2
4C	AWNING, SEE DETAIL B2/A9-2
5	VERTICAL STONE ELEMENT, SEE S-4 COLOR KEY NOTE
6	PIPE BOLLARD, SEE DETAIL E7/A11-3
7	SWOOP, SEE DETAIL E1/A11-3
8	SIGNAGE, COORDINATE WITH OWNER
9	MASONRY CONTROL JOINT, SEE DIMENSION PLAN A6-1
10	HOLLOW METAL DOOR FRAME AND DOOR PAINT SHALL MATCH EXTERIOR PAINT COLOR

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Project Location:

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CONSTRUCTION DOCUMENTS

Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

BUILDING SECTIONS

Drawing Number:

A11-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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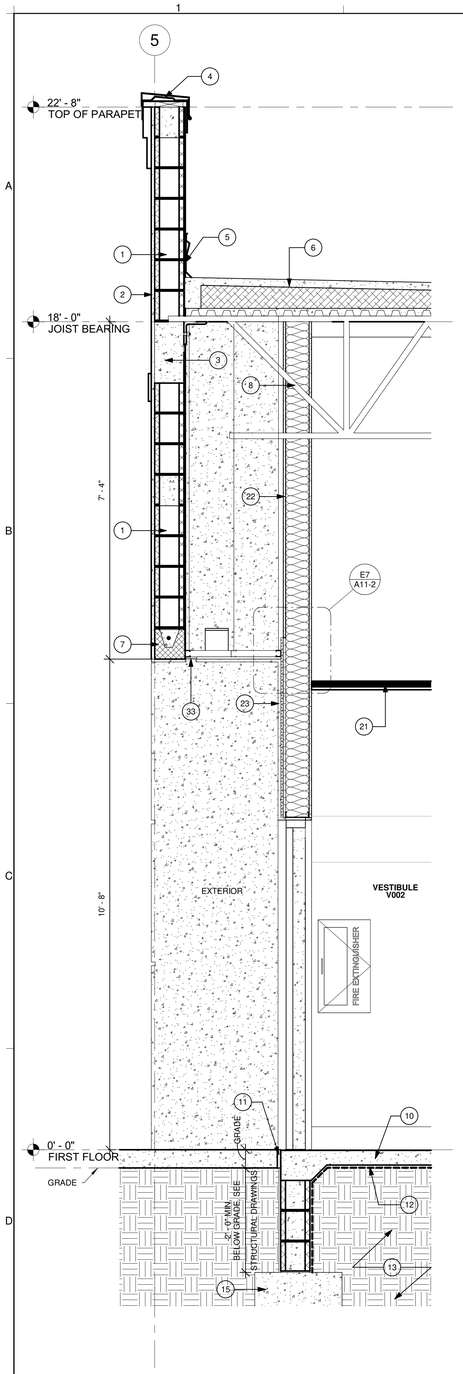
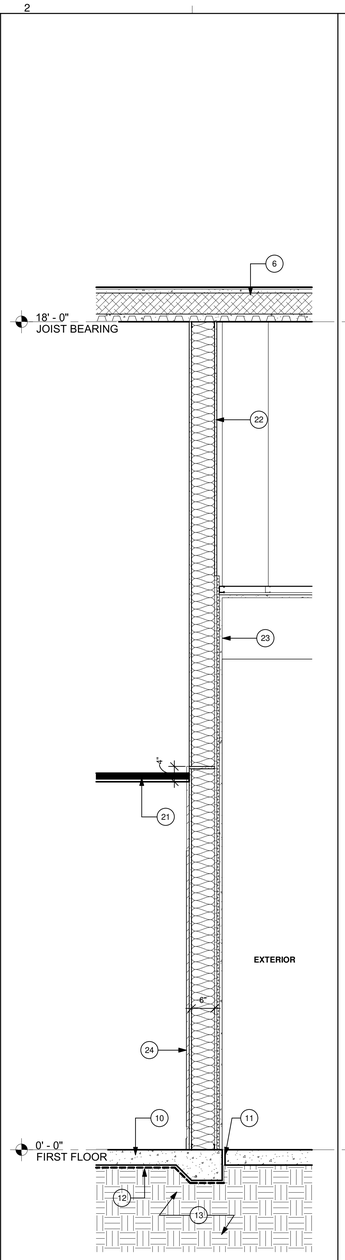
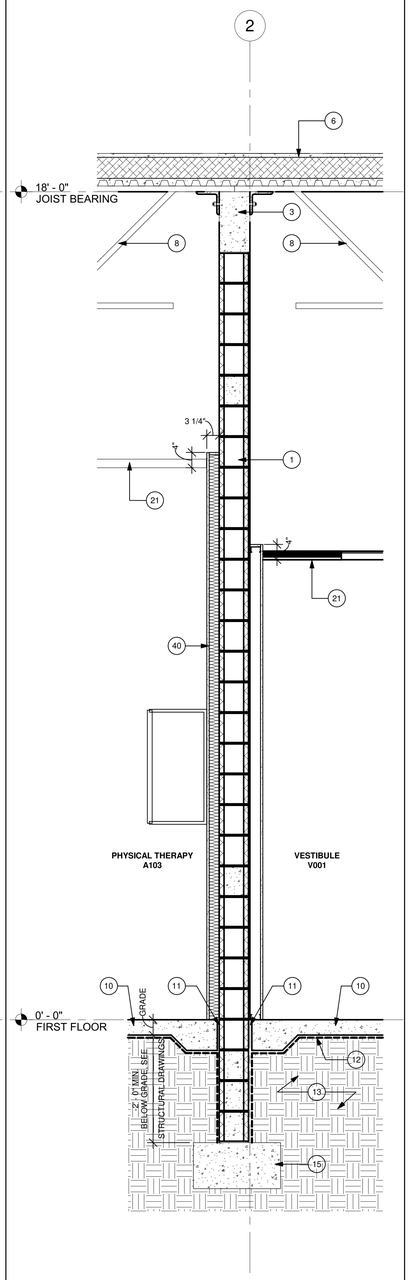


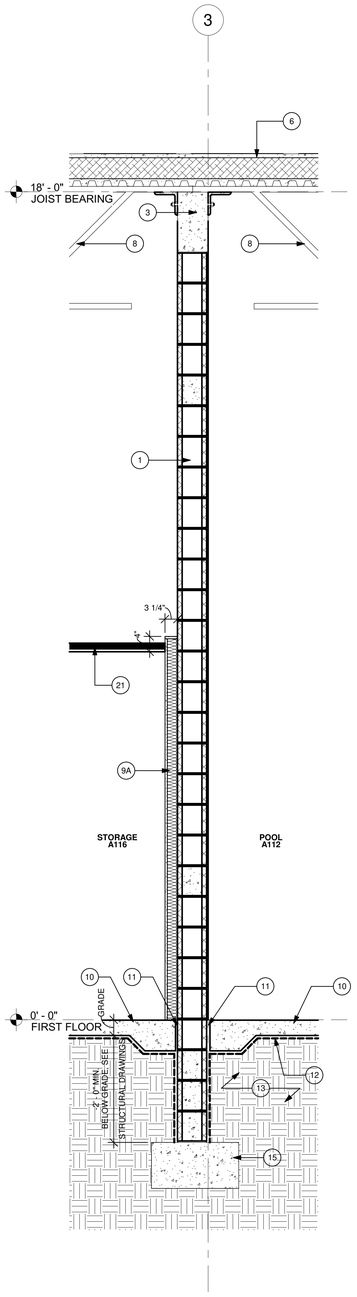
E1 EXTERIOR SECTION 1
3/4" = 1'-0"



E2 EXTERIOR SECTION 2
3/4" = 1'-0"



E3 INTERIOR SECTION
3/4" = 1'-0"



E3B INTERIOR SECTION 2
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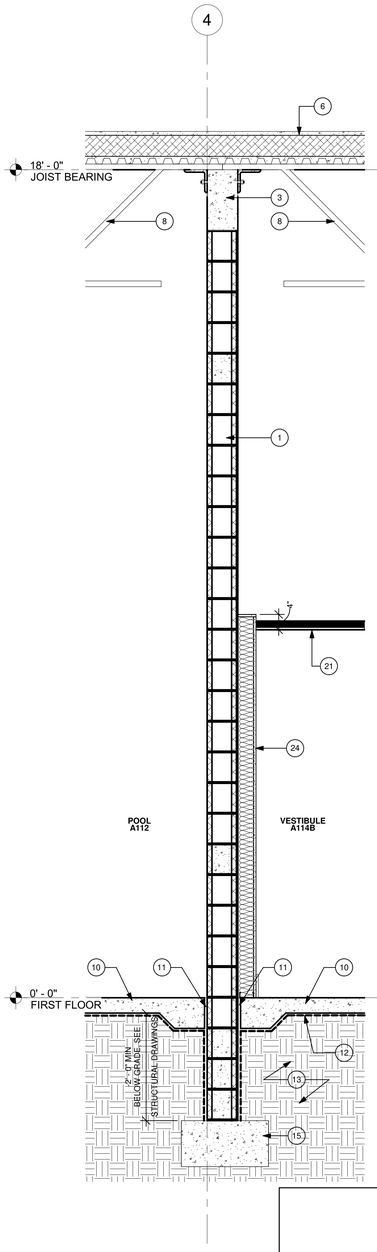
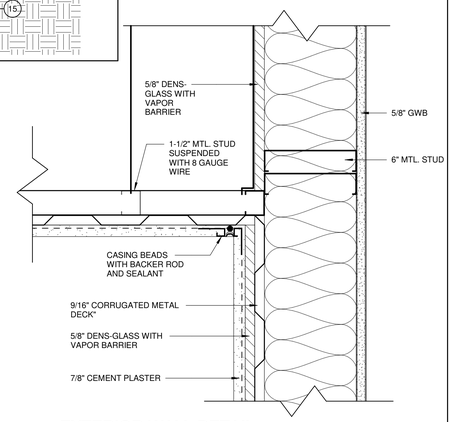


E3C INTERIOR SECTION 3
3/4" = 1'-0"



E7 EXTERIOR WALL DETAIL
3" = 1'-0"

KEY NOTES

1. CMU (D-2), TYP.
2. CEMENT PLASTER (STUCCO) WITH VAPOR BARRIER SEE SPECIFICATION SECTION 09 24 23.10
3. CONCRETE BEAM SEE STRUCTURAL DRAWINGS.
4. ALUMINUM COPING WITH PRESSURE TREATED WOOD NAILER, TYP. SEE DETAIL
5. ALUMINUM COUNTER-FLASHING
6. TPO ROOFING ADHERED TO LIGHT WEIGHT INSULATING CONCRETE ON METAL DECK, SEE STRUCTURAL DRAWINGS
7. LINTEL BLOCK, SEE STRUCTURAL DRAWINGS
8. JOIST, SEE STRUCTURAL DRAWINGS
9. INSTALL 5/8" MOISTURE RESISTANT G.W.B. ON 2 1/2" METAL STUDS @ 24" O.C. WITH 2 1/2" UNFACED SEMI-RIGID INSULATION TO DECK ABOVE.
- 9A. INSTALL 5/8" IMPACT RESISTANT G.W.B. ON 2 1/2" METAL STUDS @ 24" O.C. WITH 2 1/2" UNFACED SEMI-RIGID INSULATION
10. CONCRETE SLAB, SEE STRUCTURAL DRAWINGS
11. 1/2" ISOLATION JOINT
12. VAPOR BARRIER OVER TERMITE TREATED 98% COMPACTED FILL
13. COMPACTED FILL
14. ROOF DRAIN, SEE PLUMBING DRAWINGS
15. FOUNDATION, SEE STRUCTURAL DRAWINGS
16. MEMBRANE ROOFING ON LIGHT WEIGHT CONCRETE OVER VENTED METAL DECK, SEE STRUCTURAL DRAWINGS (CANOPY)
17. SIGNAGE, COORDINATE WITH OWNER
18. STOREFRONT SYSTEM, SEE DRAWING A15-1
19. AWNING (BEYOND), SEE DETAILS ON A9-2
20. SOLID SURFACE SILL AS SELECTED BY ARCHITECT/OWNER, COORDINATE WITH SILL HEIGHT
21. CEILING, SEE FINISH SCHEDULE
22. 5/8" DENS GLASS WITH VAPOR BARRIER ON 6" MTL. STUD PACKED WITH 6" UNFACED BATT INSULATION.
23. CEMENT PLASTER ON 5/8" DENS GLASS SHEATHING WITH VAPOR BARRIER OVER 24 GAUGE CORRUGATED METAL DECKING ON 6" MTL. STUD PACKED WITH 6" UNFACED SEMI-RIGID INSULATION.
24. INSTALL CERAMIC TILE ON 5/8" M.R. GWB. ON 3-5/8" METAL STUDS @ 24" O.C. WITH 3-5/8" SOUND BATT INSULATION.
25. APPLIED CULTURED STONE VENEER ON DRAIN-N-DRY LATHE OVER WATER RESISTENT BARRIER, BASIS OF DESIGN: CULTURED STONE PRO-FIT LEDGESTONE, COLOR TREK - 1 3/4" THICK
26. STRUCTURAL TUBE, SEE STRUCTURAL DRAWINGS
27. 5/8" DENS SHIELD ON 2-1/2" MTL. STUD @ 24" O.C. PACKED WITH SEMI-RIGID INSULATION TO DECK.
28. 0.25"/12" SLOPE
29. STEEL COLUMN, SEE STRUCTURAL DRAWINGS
30. CONCRETE PEDESTAL, SEE STRUCTURAL DRAWINGS
31. ASPHALT DRIVE
- 31A. ASPHALT BASE
32. PRECAST CURB, SEE CIVIL DRAWINGS.
33. 3" VENT
34. ALUMINUM CAP FLASHING
35. COMPRESSION STRUT, SEE STRUCTURAL DRAWINGS
36. INFILL TUBE, SEE STRUCTURAL DRAWINGS
37. 4" PVC REVEAL
38. LATHING OVER WATER RESISTANT BARRIER
39. FRY REGLET FOUNDATION WEEP SCREED
40. INSTALL 5/8" IMPACT RESISTANT G.W.B. ON 2 1/2" METAL STUDS @ 24" O.C. WITH 2-1/2" SOUND BATT INSULATION.
41. ALUMINUM GRAVEL STOP OVER FLASHING
42. M.R. GWB ON 6" MTL. STUD
43. CONCRETE WALK, SLOPE 1/8" / 12"
44. CONCEALED DRAIN, SEE PLUMBING DRAWINGS
45. ALUMINUM COPING WITH PRESSURE TREATED WOOD NAILER, TYP.
46. HORIZONTAL EPS / EIFS ELEMENT (SWOOP)
47. 7/8" CEMENT PLASTER WITH GALVANIZED EXPANDED METAL LATH OVER VAPOR BARRIER AND 5/8" DENS GLASS SHEATHING.
48. STEEL BEAM, SEE STRUCTURAL DRAWINGS.

Project Architect:

MBA

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Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

#	REVISIONS	
No.	Description	Date

Drawing Title:

WALL SECTIONS

Drawing Number:

A11-2

Drawn by: MBA
Checked by: RB
Scale: As indicated

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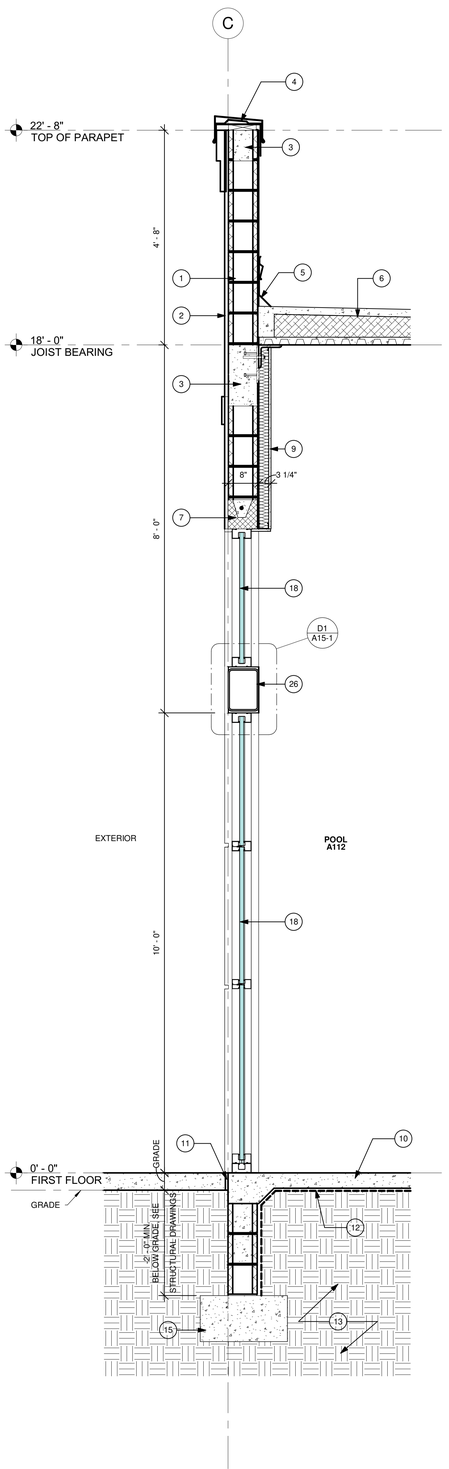
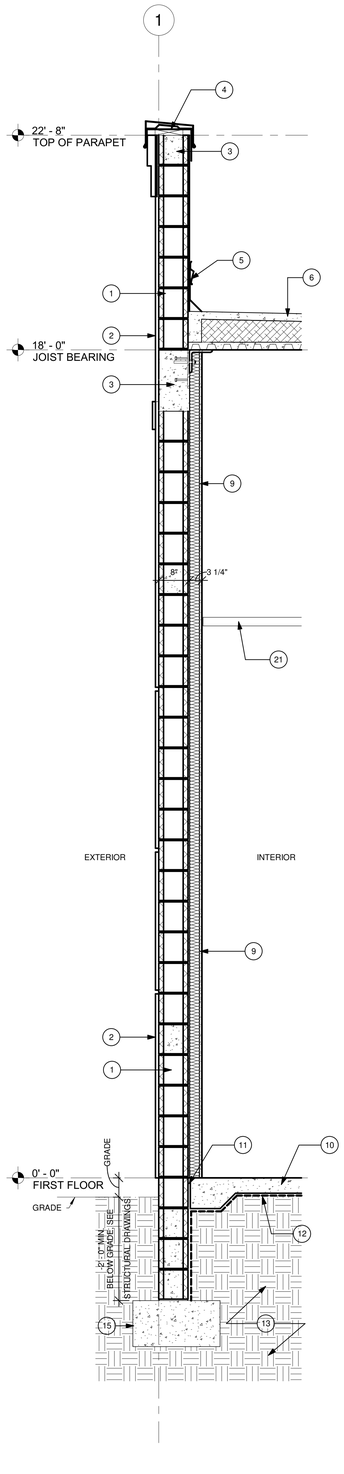
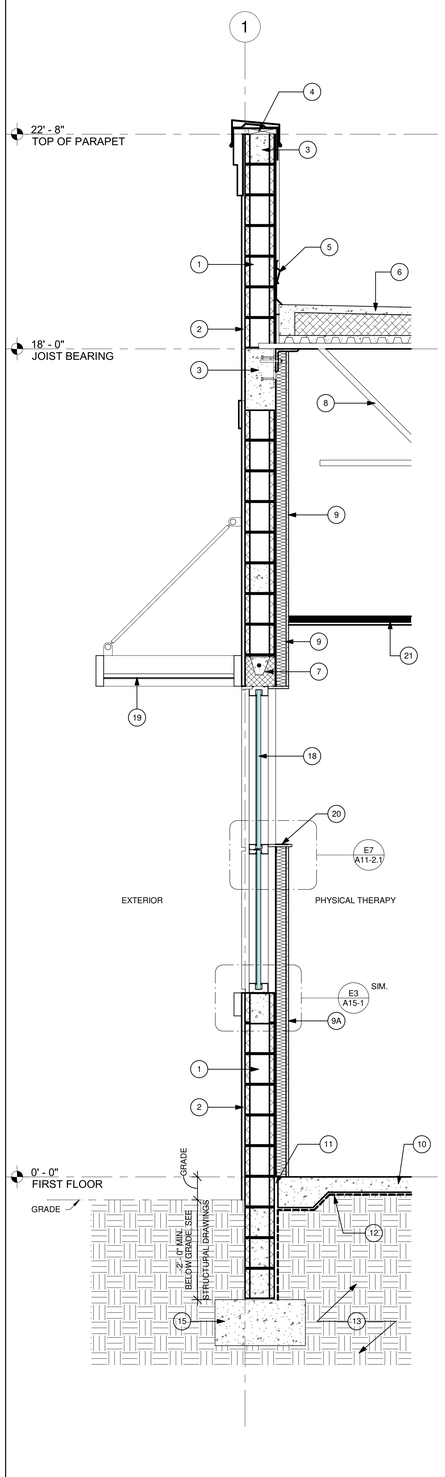


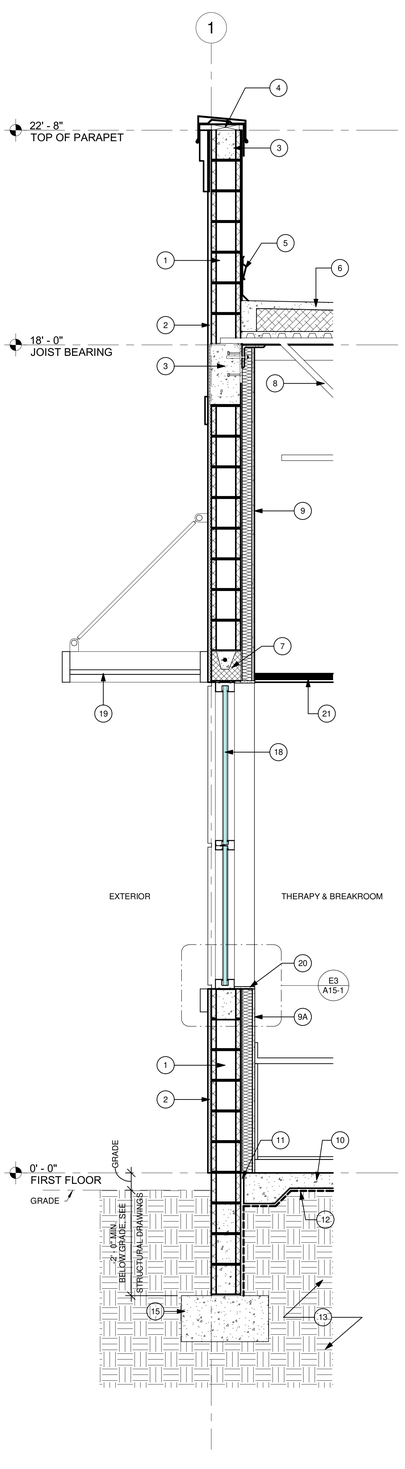
E1 STOREFRONT SECTION
3/4" = 1'-0"



E2 EXTERIOR SECTION
3/4" = 1'-0"



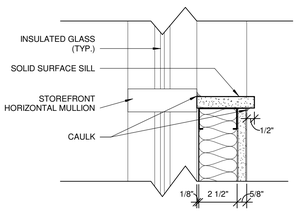
E3 EXTERIOR SECTION @ STOREFRONT
3/4" = 1'-0"



E4 EXTERIOR SECTION @ STOREFRONT 2
3/4" = 1'-0"

KEY NOTES

1. CMU (D-2), TYP.
2. CEMENT PLASTER (STUCCO) WITH VAPOR BARRIER SEE SPECIFICATION SECTION 09 24 23.10
3. CONCRETE BEAM SEE STRUCTURAL DRAWINGS.
4. ALUMINUM COPING WITH PRESSURE TREATED WOOD NAILER, TYP. SEE DETAIL
5. ALUMINUM COUNTER-FLASHING
6. TPO ROOFING ADHERED TO LIGHT WEIGHT INSULATING CONCRETE ON METAL DECK, SEE STRUCTURAL DRAWINGS
7. LINTEL BLOCK, SEE STRUCTURAL DRAWINGS
8. JOIST, SEE STRUCTURAL DRAWINGS
9. INSTALL 5/8" MOISTURE RESISTANT G.W.B. ON 2 1/2" METAL STUDS @ 24" O.C. WITH 2 1/2" UNFACED SEMI-RIGID INSULATION TO DECK ABOVE.
9A. INSTALL 5/8" IMPACT RESISTANT G.W.B. ON 2 1/2" METAL STUDS @ 24" O.C. WITH 2 1/2" UNFACED SEMI-RIGID INSULATION
10. CONCRETE SLAB, SEE STRUCTURAL DRAWINGS
11. 1/2" ISOLATION JOINT
12. VAPOR BARRIER OVER TERMITE TREATED 98% COMPACTED FILL
13. COMPACTED FILL
14. ROOF DRAIN, SEE PLUMBING DRAWINGS
15. FOUNDATION, SEE STRUCTURAL DRAWINGS
16. MEMBRANE ROOFING ON LIGHT WEIGHT CONCRETE OVER VENTED METAL DECK, SEE STRUCTURAL DRAWINGS (CANOPY)
17. SIGNAGE, COORDINATE WITH OWNER
18. STOREFRONT SYSTEM, SEE DRAWING A15-1
19. AWNING (BEYOND), SEE DETAILS ON A9-2
20. SOLID SURFACE SILL AS SELECTED BY ARCHITECT/OWNER, COORDINATE WITH SILL HEIGHT
21. CEILING, SEE FINISH SCHEDULE
22. 5/8" DENS GLASS WITH VAPOR BARRIER ON 6" MTL. STUD PACKED WITH 6" UNFACED BATT INSULATION.
23. CEMENT PLASTER ON 5/8" DENS GLASS SHEATHING WITH VAPOR BARRIER OVER 24 GAUGE CORRUGATED METAL DECKING ON 6" MTL. STUD PACKED WITH 6" UNFACED SEMI-RIGID INSULATION.
24. INSTALL CERAMIC TILE ON 5/8" M.R. GWB. ON 3-5/8" METAL STUDS @ 24" O.C. WITH 3-5/8" SOUND BATT INSULATION.
25. APPLIED CULTURED STONE VENEER ON DRAIN-N-DRY LATHE OVER WATER RESISTENT BARRIER, BASIS OF DESIGN: CULTURED STONE PRO-FIT LEDGESTONE, COLOR TREK - 1 3/4" THICK
26. STRUCTURAL TUBE, SEE STRUCTURAL DRAWINGS
27. 5/8" DENS SHIELD ON 2-1/2" MTL. STUD @ 24" O.C. PACKED WITH SEMI-RIGID INSULATION TO DECK.
28. 0.25"/12" SLOPE
29. STEEL COLUMN, SEE STRUCTURAL DRAWINGS
30. CONCRETE PEDESTAL, SEE STRUCTURAL DRAWINGS
31. ASPHALT DRIVE
31A. ASPHALT BASE
32. PRECAST CURB, SEE CIVIL DRAWINGS.
33. 3" VENT
34. ALUMINUM CAP FLASHING
35. COMPRESSION STRUT, SEE STRUCTURAL DRAWINGS
36. INFILL TUBE, SEE STRUCTURAL DRAWINGS
37. 4" PVC REVEAL
38. LATHING OVER WATER RESISTANT BARRIER
39. FRY REGLET FOUNDATION WEEP SCREED
40. INSTALL 5/8" IMPACT RESISTANT G.W.B. ON 2 1/2" METAL STUDS @ 24" O.C. WITH 2-1/2" SOUND BATT INSULATION.
41. ALUMINUM GRAVEL STOP OVER FLASHING
42. M.R. GWB ON 6" MTL. STUD
43. CONCRETE WALK, SLOPE 1/8" / 12"
44. CONCEALED DRAIN, SEE PLUMBING DRAWINGS
45. ALUMINUM COPING WITH PRESSURE TREATED WOOD NAILER, TYP.
46. HORIZONTAL EPS / EIFS ELEMENT (SWOOP)
47. 7/8" CEMENT PLASTER WITH GALVANIZED EXPANDED METAL LATH OVER VAPOR BARRIER AND 5/8" DENS GLASS SHEATHING.
48. STEEL BEAM, SEE STRUCTURAL DRAWINGS.



E7 SILL @ STORE FRONT
3"=1'-0" A18-D1 (121724)

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Project Number: 24011
Project Location:

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Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

WALL SECTIONS

Drawing Number:

A11-2.1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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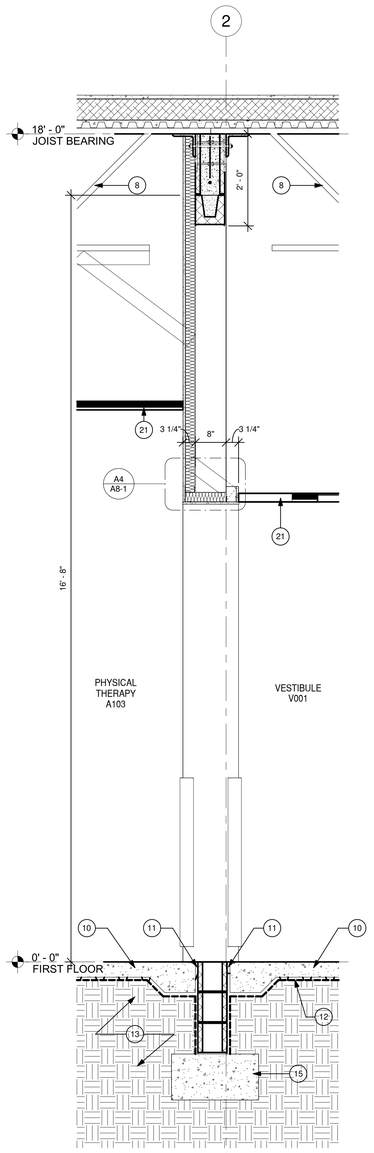
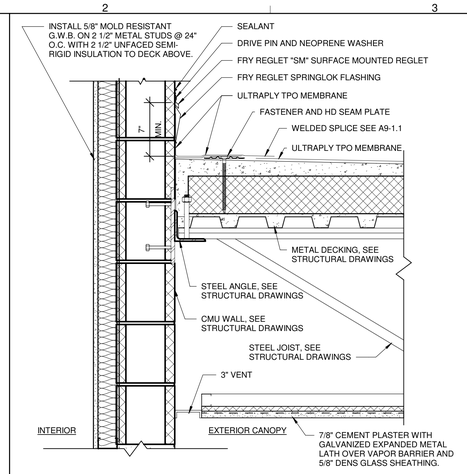
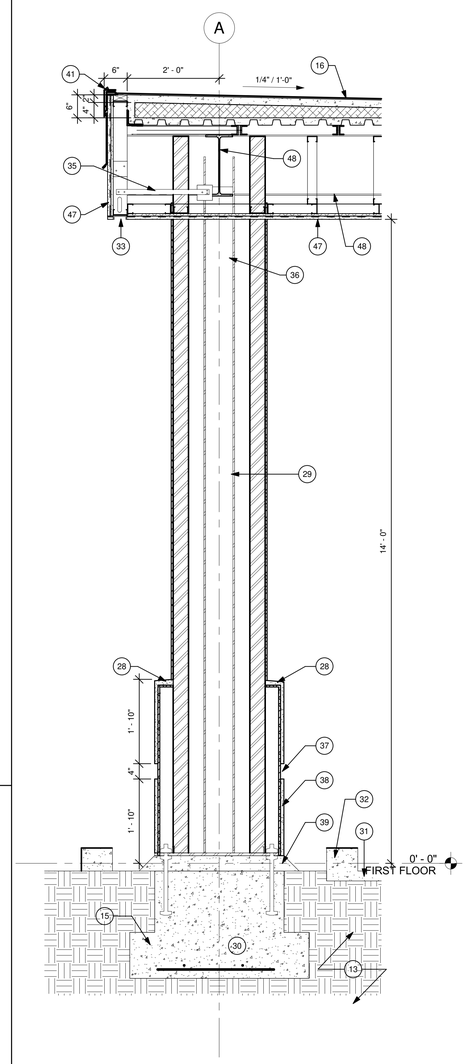


D1 INTERIOR SECTION 4
3/4" = 1'-0"

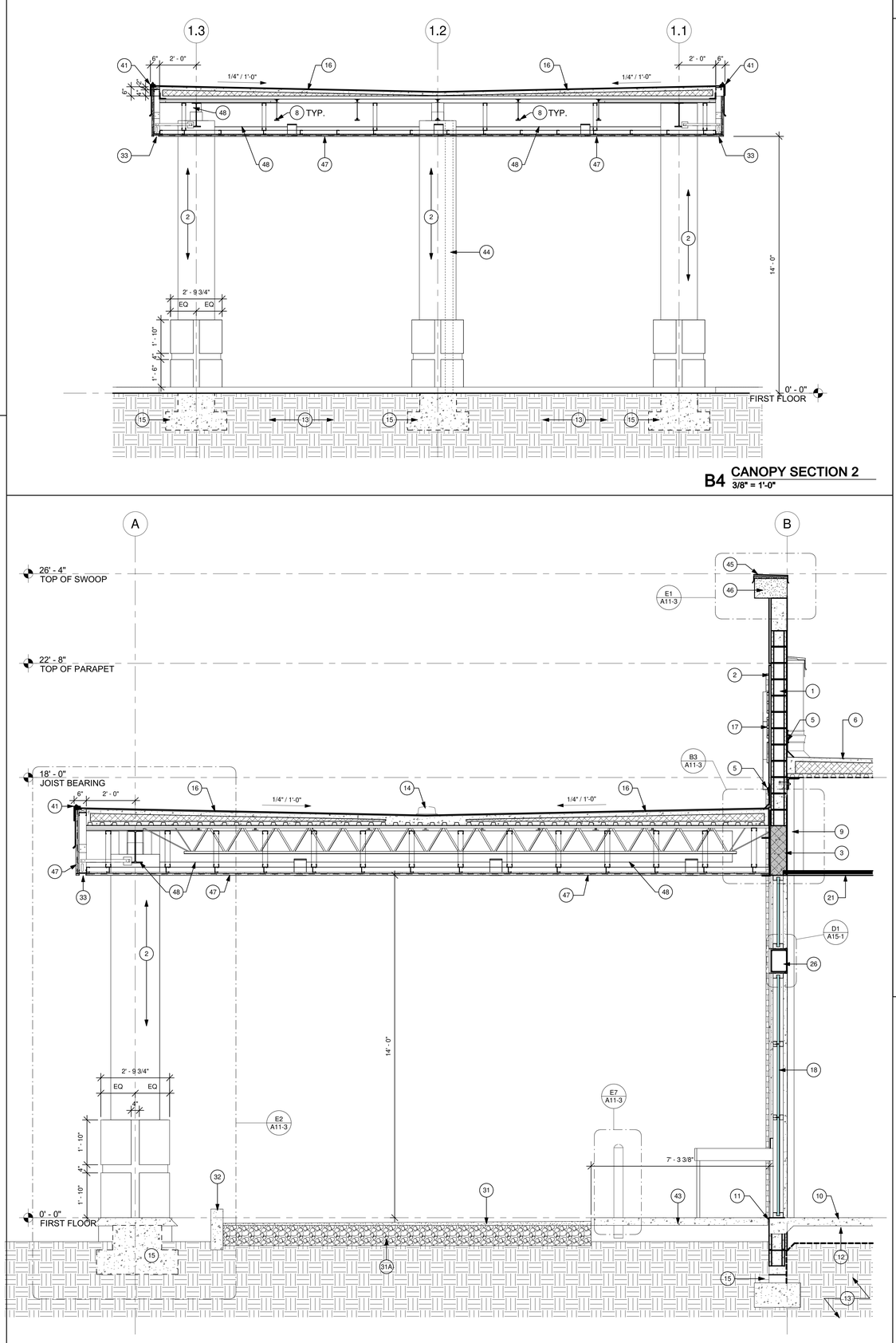


B3 CANOPY CONNECTION TO BLOCK
1 1/2" = 1'-0"



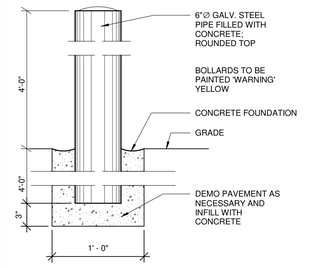
E2 COLUMN SECTION
3/4" = 1'-0"

E1 SWOOP SECTION
1 1/2" = 1'-0"



B4 CANOPY SECTION 2
3/8" = 1'-0"

E4 CANOPY SECTION 1
1/2" = 1'-0"



E7 PIPE BOLLARD DETAIL
1 1/2"=1'-0" AS3-007 (030415)

KEY NOTES

1	CMU (D-2), TYP.
2	CEMENT PLASTER (STUCCO) WITH VAPOR BARRIER SEE SPECIFICATION SECTION 09 24 23.10
3	CONCRETE BEAM SEE STRUCTURAL DRAWINGS.
4	ALUMINUM COPING WITH PRESSURE TREATED WOOD NAILER, TYP. SEE DETAIL
5	ALUMINUM COUNTER-FLASHING
6	TPO ROOFING ADHERED TO LIGHT WEIGHT INSULATING CONCRETE ON METAL DECK, SEE STRUCTURAL DRAWINGS
7	LINTEL BLOCK, SEE STRUCTURAL DRAWINGS
8	JOIST, SEE STRUCTURAL DRAWINGS
9	INSTALL 5/8" MOISTURE RESISTANT G.W.B. ON 2 1/2" METAL STUDS @ 24" O.C. WITH 2 1/2" UNFACED SEMI-RIGID INSULATION TO DECK ABOVE.
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10	CONCRETE SLAB, SEE STRUCTURAL DRAWINGS
11	1/2" ISOLATION JOINT
12	VAPOR BARRIER OVER TERMITE TREATED 98% COMPACTED FILL
13	COMPACTED FILL
14	ROOF DRAIN, SEE PLUMBING DRAWINGS
15	FOUNDATION, SEE STRUCTURAL DRAWINGS
16	MEMBRANE ROOFING ON LIGHT WEIGHT CONCRETE OVER VENTED METAL DECK, SEE STRUCTURAL DRAWINGS (CANOPY)
17	SIGNAGE, COORDINATE WITH OWNER
18	STOREFRONT SYSTEM, SEE DRAWING A15-1
19	AWNING (BEYOND), SEE DETAILS ON A9-2
20	SOLID SURFACE SILL AS SELECTED BY ARCHITECT/OWNER, COORDINATE WITH SILL HEIGHT
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22	5/8" DENS GLASS WITH VAPOR BARRIER ON 6" MTL. STUD PACKED WITH 6" UNFACED BATT INSULATION.
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26	STRUCTURAL TUBE, SEE STRUCTURAL DRAWINGS
27	5/8" DENS SHIELD ON 2-1/2" MTL. STUD @ 24" O.C. PACKED WITH SEMI-RIGID INSULATION TO DECK.
28	0.25"/12" SLOPE
29	STEEL COLUMN, SEE STRUCTURAL DRAWINGS
30	CONCRETE PEDESTAL, SEE STRUCTURAL DRAWINGS
31	ASPHALT DRIVE
31A	ASPHALT BASE
32	PRECAST CURB, SEE CIVIL DRAWINGS.
33	3" VENT
34	ALUMINUM CAP FLASHING
35	COMPRESSION STRUT, SEE STRUCTURAL DRAWINGS
36	INFILL TUBE, SEE STRUCTURAL DRAWINGS
37	4" PVC REVEAL
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41	ALUMINUM GRAVEL STOP OVER FLASHING
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43	CONCRETE WALK, SLOPE 1/8" / 12"
44	CONCEALED DRAIN, SEE PLUMBING DRAWINGS
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46	HORIZONTAL EPS / EIFS ELEMENT (SWOOP)
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48	STEEL BEAM, SEE STRUCTURAL DRAWINGS.

Project Architect:

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Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

CANOPY SECTIONS

Drawing Number:

A11-3

Drawn by: MBA
Checked by: RB
Scale: As indicated

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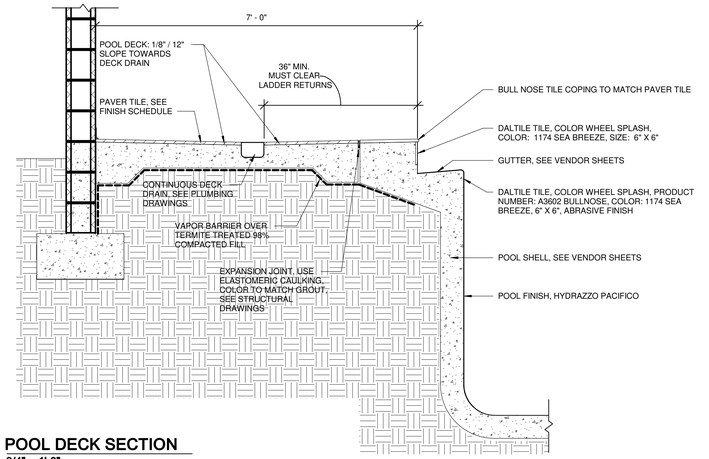
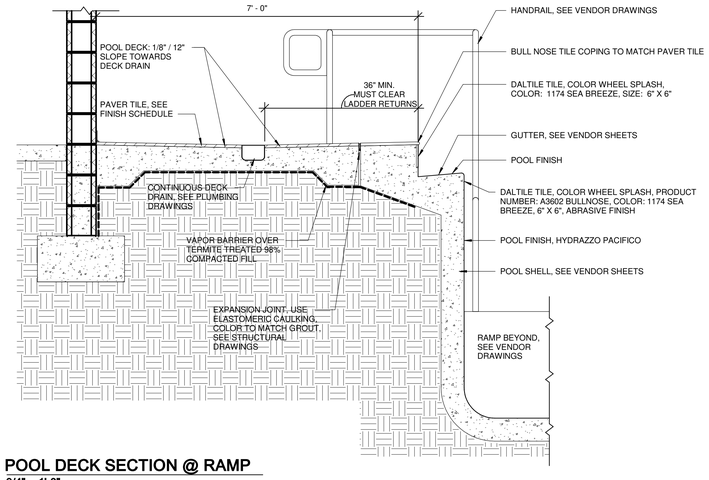
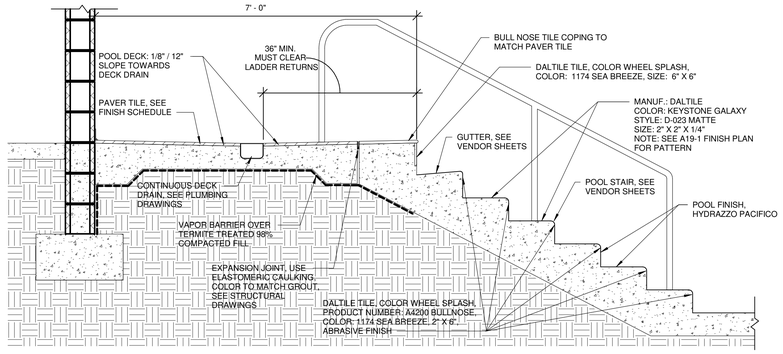


A6 POOL DECK SECTION
3/4" = 1'-0"



C6 POOL DECK SECTION @ RAMP
3/4" = 1'-0"



D6 POOL DECK SECTION @ STAIR
3/4" = 1'-0"

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Robert H. Blau, AIA

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JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
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CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

POOL DECK SECTIONS

Drawing Number:

A11-4

Drawn by: MBA
Checked by: RB
Scale: 3/4" = 1'-0"

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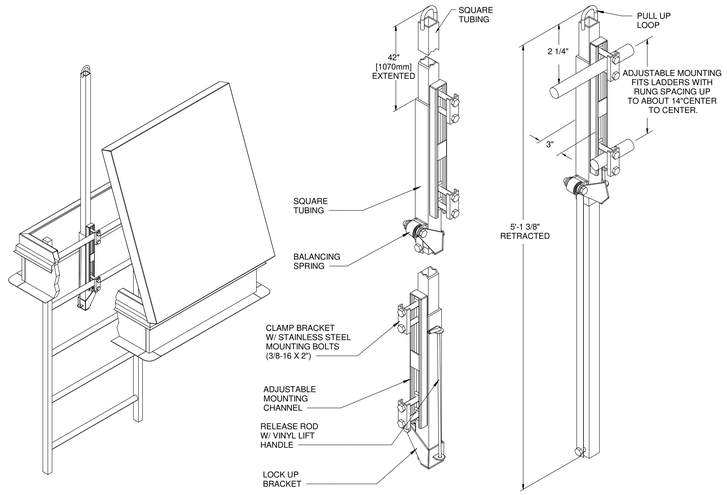
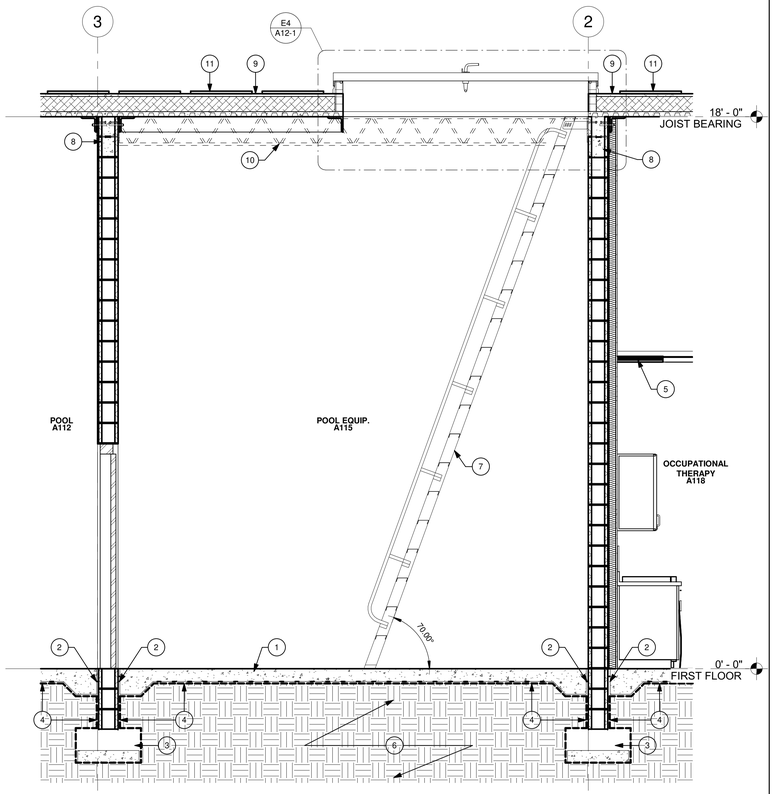
KEY NOTES

1. CONCRETE SLAB, SEE STRUCTURAL DRAWINGS
2. 1/2" ISOLATION JOINT
3. FOUNDATION, SEE STRUCTURAL DRAWINGS
4. VAPOR BARRIER OVER TERMITE TREATED 98% COMPACTED FILL
5. CEILING, SEE FINISH SCHEDULE
6. COMPACTED FILL
7. NEW ROOF LADDER ACCESS AND SHIP LADDER, SEE DETAIL E4/A12-1
8. GROUT FILLED CELL, SEE STRUCTURAL DRAWINGS
9. TPO ROOFING ADHERED TO LIGHT WEIGHT INSULATING CONCRETE ON METAL DECK, SEE STRUCTURAL DRAWINGS
10. STRUCTURAL JOIST BEYOND, SEE STRUCTURAL DRAWINGS.
11. 2' X 2' ROOF WALKWAY PADS SPACED APART 6".

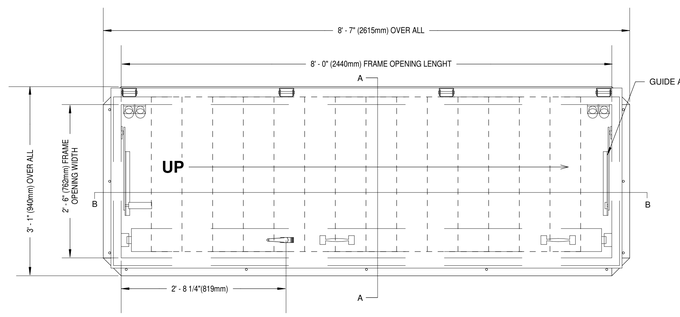


NOTE:
1. LADDER UP SAFETY POST TYPE LU-1 STEEL/ YELLOW ENAMEL (MNF. BILCO)
2. CLAMP BRACKET MAY BE REVERSED TO ACCOMMODATE RUNG SIZES OF 3/4" TO 1-1/4" WITH STANDARD 2" BOLTS FURNISHED. LARGER RUNGS WILL REQUIRE LONGER BOLTS.

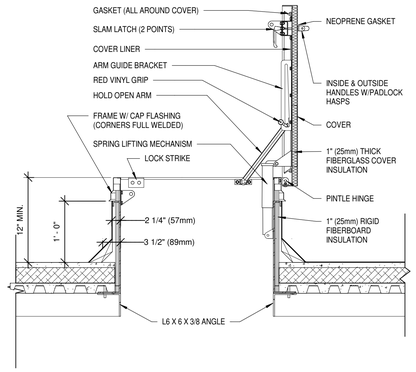
B4 SAFETY LADDER EXTENSION
1 1/2" = 1'-0"



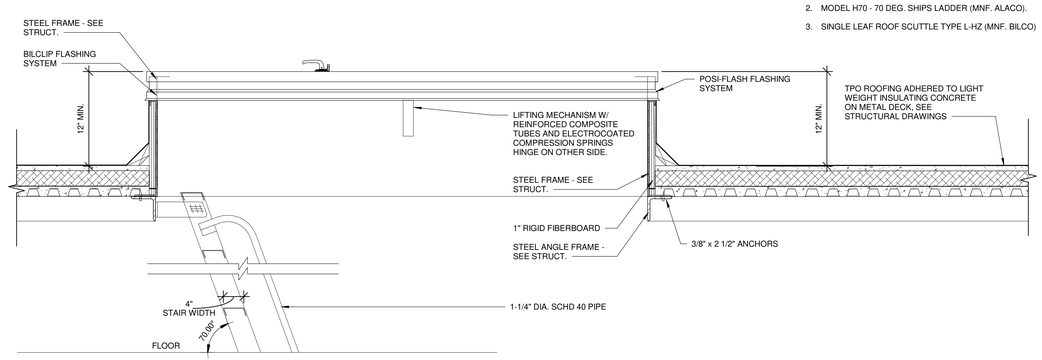
E1 A116 - SHIPS LADDER SECTION
1/2" = 1'-0"



SECTION A-A



NOTE:
1. FIELD VERIFY ACTUAL ROOF HATCH LOCATION WITH NEW OPENING AND ADJUST AS REQUIRED.
2. MODEL H70 - 70 DEG. SHIPS LADDER (MNF. ALACO).
3. SINGLE LEAF ROOF SCUTTLE TYPE L-HZ (MNF. BILCO)



SECTION B-B

E4 TYPICAL ROOF CURB FOR SHIPS LADDER ACCESS
1" = 1'-0"

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Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

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3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

LADDER SECTIONS & DETAILS

Drawing Number:

A12-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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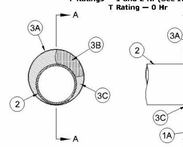
System No. W-L-1003

February 14, 2008

F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr



Section A-A

1. **Wall Assembly —** The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

   A. **Studs —** Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-1/2 in. (89 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

   B. Gypsum Board* — Nom 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 15 in. (381 mm).

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Through-Penetrant —** One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The space between pipes, conduits or tubing and the steel sleeve (Item 3A) shall be min of 0 in. (point contact) to max 2-3/8 in. (60 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

   A. **Steel Pipe —** Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

   B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

   C. Conduit — Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.

   D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

   E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. **Firestop System —** Installed symmetrically on both sides of wall assembly. The details of the firestop system shall be as follows.

   A. **Steel Sleeve —** Cylindrical sleeve fabricated from min 0.019 in. thick (0.48 mm) galv sheet steel and having a min 2 in. (51 mm) lap along the longitudinal seam. Length of steel sleeve to be equal to thickness of wall plus 1 to 4 in. (25 to 102 mm) such that, when installed, the ends of the sleeve will project approx 1/2 to 2 in. (13 to 51 mm) beyond the surface of the wall on both sides of the wall assembly.

   A1. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the openings and releasing the coil to let it uncoil against the circular cutout in the gypsum board layers.

   B. Packing Material — Min 1 in. (25 mm) thickness of mineral wool batt insulation firmly packed into steel sleeve on both sides of the wall assembly as permanent forms. Packing material to be recessed min 1/2 in. (13 mm) from end of steel sleeve (flush with or recessed into gypsum board surface) on both sides of wall assembly.

   B1. Packing Material — (Not shown) — As an alternate to Item B, nom 1 in. (25 mm) thick polyethylene backer rod may be used. The backer rod is to be recessed within the steel sleeve a min of 1 in. (25 mm) from each surface of wall.

   C. Fill, Void or Cavity Materials* — Caulk or Sealant — When mineral wool batt insulation is used, caulk or sealant applied to fill the steel sleeve to a min depth of 1/2 in. (13 mm) on both sides of wall assembly. When backer rod is used, a min thickness of 1 in. (25 mm) of caulk or sealant is required flush with both sides of wall. A nom 1/4 in. (6 mm) diam continuous bead of caulk or sealant shall be applied around the circumference of the steel sleeve at its egress from the gypsum board layers on both sides of the wall assembly.

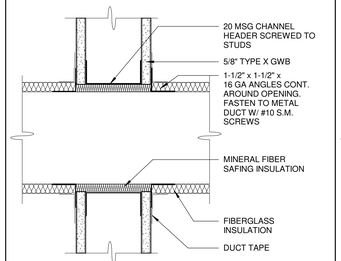
3M COMPANY — CP 25WB+, IC 15WB+ or FB-3000 WT

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**
Last Updated on 2008-02-14, © 2015 UL LLC

FP4 UNFP UL W-L-1003 FIRESTOP PIPE PENETRATION
A13-FP4 (111423)

DP 1 TYPICAL DUCT PENETRATION RATED WALL, NO DAMPER (607.1.3)

3"=1'-0" A131-DP1 (121114)



DP 2 TYPICAL DUCT PENETRATION RATED WALL, W/ DAMPER (607.1)

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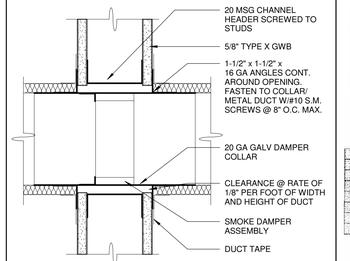
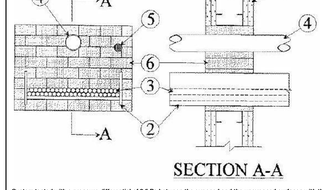


System No. W-L-8013

ANSI/ULC S115	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — 5 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating At 400 F' — 2 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient — 5 CFM/sq ft
	L Rating At 400 F' — 2 CFM/sq ft



SECTION A-A

System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. **Wall Assembly** - The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Additional studs installed to completely frame the opening.

B. **Gypsum Board*** - 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max area of opening is 352 sq in. (2271 sq cm) with max dimension of 22 in. (559 mm) wide.

The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Cable Tray*** - Max 18 in. (457 mm) wide by max 6 in. (152 mm) deep open ladder or solid-back cable tray with channel-shaped side rails formed of 0.063 in. (1.60 mm) thick aluminum or 0.060 in. (1.52 mm) thick steel and with 1-1/2 in. (38 mm) wide by 1 in. (25 mm) channel shape rungs spaced 9 in. (229 mm) OC or a 0.029 in. (0.74 mm) thick steel solid back, respectively. One cable tray to be installed in the opening. The max annular space between the cable tray and the periphery of the opening shall be min 1 in. (25 mm) to max 7 in. (178 mm) Cable tray to be rigidly supported on both sides of floor or wall assembly.

3. **Cables** - Aggregate cross-sectional area of cables in cable tray to be max 30 percent of the cross-sectional area of the cable tray. Any combination of the following types and sizes of copper conductor cables may be used:

A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and PVC jacket.

B. 100 pair - No. 24 AWG cable with PVC insulation and jacket.

C. 1/C, 750 kcmil or smaller) with PVC insulation and jacket.

4. **Through-Penetrants** - One or more pipe or tube to be installed within the opening. The total number of through-penetrants is dependent on the size of the openings and types and sizes of the penetrants. Any combination of the penetrants described below may be used provided that the following parameters relative to the annular spaces and the spacings between the pipes are maintained. The annular space between the pipe or tube and the edge of the opening shall be min 1-1/2 in. (38 mm) to max 9-1/4 in. (235 mm). Pipe or tube to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of non-metallic or metallic pipes, or tubes may be used:

A. **Polyvinyl Chloride (PVC) Pipe** - Max 3 in. (76 mm) diam Schedule 40 solid core PVC pipe (or smaller) for use in closed (process or supply) or vented (drain, waste or vent) piping system.

B. **Steel Pipe** - Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.

C. **Conduit** - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) diam steel conduit.

D. **Copper Pipe** - Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.

E. **Copper Tube** - Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tube.

4A. **Pipe Covering** - (Not Shown) - Nom 1-1/2 in. (38 mm) thick hollow cylindrical heavy density (min 3.5 pcf) (56kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product.

See **Pipe and Equipment Covering and Materials** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

5. **Cables** - Max 1-1/2 in. (38 mm) diam tight bundle of cables installed within the opening and rigidly supported on both surfaces of wall. The space between the cables and the periphery of the opening shall range from 1- 3/16 in. (30.2 mm) min to a max of 1-1/2 in. (38 mm). Any combination of the following types and sizes of cables may be used:

A. 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.

B. 25 pair - No. 24 AWG cable with PVC insulation and jacket.

C. Type R GU/59 coaxial cable with PVC outer jacket.

D. 24 fiber optic cable with PVC sub-unit color code and outer jacket.

6. **Firestop System** - The firestop system shall consist of the following:

A. **Fill, Void or Cavity Material*** - Fire Blocks For walls incorporating max 3-5/8 in. (92 mm) steel studs or max 2 (51 mm) by 4 in. (102 mm) wood studs, fire block installed with 5 in. (127 mm) dimension projecting through and centered in opening. For walls constructed with steel or wood studs, fire block installed with long dimension passing through and centered in opening. Blocks may or may not be cut flush with both surfaces of wall. When multiple layers of gypsum board are used, blocks may be recessed 1/2 in. (13 mm) from surface of wall. Blocks to be firmly packed in opening. Either one or a combination of the block types specified below may be used.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - CFS-BL Firestop Block

B. **Fill, Void or Cavity Material* - Sealant or Putty** - Fill material to be forced into interstices of cables, between cables and cable trays, around wires and cables and where obvious voids are observed to max extent possible on both surfaces of the penetration.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-One Sealant, FS-ONE MAX Intumescent Sealant, CP 618 Putty Stick, CP 660 Firestop Foam or CP620 Fire Foam

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

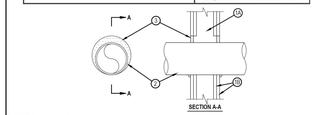
Last Updated on 2016-07-12

GP 1 SINGLE PIPE OR CONDUIT PENETRATION - RATED WALL
1"=1'-0" A131-GP1 (111423)

System No. W-L-1054

January 21, 2020

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating (Without Movement) at Ambient — Less Than 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Items 1 and 3)
L Rating (Without Movement) at 400°F — Less Than 1 CFM/sq ft	FTH Rating — 0 Hr
M Rating (Movement) — See Table 1	T Rating — 0 Hr
	L Rating at Ambient — Less Than 5.1 L/s/m²
	L Rating at 204°C — Less Than 5.1 L/s/m²



SECTION A-A

1. **Wall Assembly** - The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. For M Rating, steel studs to be min 3-5/8 in. (92 mm) wide. When steel studs are used and the diam of opening exceeds the width of stud cavity, the opening shall be framed on all sides using lengths of steel stud installed between the vertical studs and screw-attached to the steel studs at each end. The framed opening in the wall shall be 4 to 6 in. (102 to 152 mm) wider and 4 to 6 in. (102 to 152 mm) higher than the diam of the penetrating item such that, when the penetrating item is installed in the opening, a 2 to 3 in. (51 to 76 mm) clearance is present between the penetrating item and the framing on all four sides.

B. **Gypsum Board*** - 5/8 in. (16 mm) thick, 4 ft (1220 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 32-1/4 in. (819 mm) for steel stud walls. Max diam of opening is 14-1/2 in. (368 mm) for wood stud walls.

The F and FH Ratings of the firestop system are equal to the fire rating of the wall assembly. The M Rating is applicable only to 1 hr rated walls.

2. **Through-Penetrants** - One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 0 in. to max 2-1/4 in. (57 mm). Pipe may be installed with continuous point contact. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
A. **Steel Pipe** - Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe** - Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.

C. **Conduit** - Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or 6 in. (152 mm) . diam steel conduit.

D. **Copper Tubing** - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe** - Nom 6 in. (152 mm) diam (or smaller) regular (or heavier) copper pipe.

3. **Fill, Void or Cavity Material* - Sealant** - Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point or continuous contact locations between pipe and wall, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe wall interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

The M Rating for the firestop system is dependent on the variables as noted in the Table 1 below.

Table 1

Movement Direction	Penetrant Item	Nominal Penetrant Diameter	Annular Space	Movement	Sealant Depth	F Rating	L Rating with Movement
V	2A, 2C*	2 in.	Max 2-1/4 in.	5%	5/8 in.	1 hr	N/A
Z	2A, 2C*	2 in.	2-1/4 in.	0.25 in.	5/8 in.	1 hr	N/A

*** Rigid steel conduit**

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

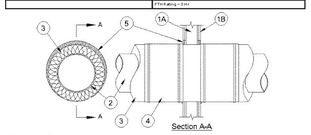
Last Updated on 2020-01-21

GP 2 SINGLE PIPE OR CONDUIT PENETRATION - RATED WALL
1 1/2"=1'-0" A131-GP2 (111423)

System No. W-L-5223

December 21, 2017

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 and 2 Hr (See Item 1)	F Rating — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 1 and 2 Hr (See Item 1)
	FTH Rating — 0 Hr



Section A-A

1. Wall Assembly - The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features.

A. Studs - Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Additional studs installed to completely frame the opening.

B. Gypsum Board* - 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 352 sq in. (2271 sq cm) with max dimension of 22 in. (559 mm) wide.

The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

1. Through Penetrants - One metallic pipe or tubing to be installed within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

A. Steel Pipe - Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Copper Tubing - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

C. Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

1. Pipe Covering Materials* - Cellular Glass Insulation - Nom 1-1/2 in. or 3 in. (38 to 76 mm) thick cellular glass pipe insulation sized to the outside diam of the pipe or tube and installed in accordance with the manufacturer's instructions. The annular space between the insulated pipe and the periphery of the opening shall be min 0 in. (point contact) to max 3/4 in. (19 mm).

2. Metal Jacket (Optional) - Min 12 in. (305 mm) long jacket formed of min 0.010 in. (0.25 mm) thick steel or aluminum sheet cut to wrap tightly around the pipe insulation with a min 2 in. (51 mm) lap. Jacket secured with min 1/2 in. (13 mm) wide stainless steel hose clamps or bands located within 2 in. (51 mm) of each end of the jacket and spaced a max of 10 in. (254 mm) OC. Jacket to be installed with abutting surface of sealant (Item 5) on both surfaces of wall. Metal jacket to be used in addition to any other jacketing material which may be required or desired on the pipe insulation.

3. Void or Cavity Material* - Sealant - Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe covering/gypsum board interface on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC - FS-ONE MAX Intumescent Sealant

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2017-12-21

GP 3 TYPICAL PIPE PENETRATION UL SYSTEM NO. W-L-5223
1 1/2"=1'-0" A131-GP3 (111423)

Wall-opening Protective Materials

See General Information for Wall- opening Protective Materials

3M COMPANY 3M FIRE PROTECTION PRODUCTS R9700
3M CENTER
ST PAUL, MN 55144 USA

Type MPP+ moldable putty pads for use with max 4-11/16 by 4-11/16 by 2-1/8 in. deep flush device UL Listed Metallic Outlet Boxes installed with steel cover plates for use in 1 or 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. wide wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory.

Type MPP+ moldable putty pads for use with max 4-11/16 by 4-11/16 by 2 1/8 in. deep flush device UL Listed Metallic Outlet Boxes installed with steel or plastic cover plates for use in 1 or 2 hr fire rated gypsum board wall assemblies framed with min 5-1/2 in. wide wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Metallic outlet boxes to be provided with steel attachment brackets which offset box min 1/4 in. from stud. Putty pad to be affixed to the back and all four sides of the box. Boxes may be installed back-to-back within the stud cavity. When back-to-back boxes are interconnected, a ball of putty is to be installed to plug the open end of each electrical metallic tube or conduit within the outlet boxes.

Type MPP+ moldable putty pads for use with max 4 by 4 by 2-1/8 in. deep flush device UL Listed Metallic Outlet Boxes installed with plastic cover plates for use in 1 or 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. wide wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory.

Type MPP+ moldable putty pads for use with max 14 by 4 by 2-1/2 in. deep flush device UL Listed Metallic Outlet Boxes installed with steel cover plates for use in 1 or 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. wide steel studs and constructed as specified in the individual U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory.

Type MPP+ moldable putty pads for use with max 14 by 4-1/2 by 2-1/2 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Carlon Electrical Products, made of PVC and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classified for Fire Resistance" category in the Fire Resistance Directory. Boxes installed with steel cover plates. For use in 1 or 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. wide wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory.

Type MPP+ moldable putty pads for use with max 4 by 3-1/4 by 3-3/4 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Thomas & Betts Corp., made of polycarbonate, Type 234 or made of phenolic, Type 1052 and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classified for Fire Resistance" category in the Fire Resistance Directory. Boxes installed with steel cover plates. For use in 1 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. wide wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory.

Type MPP+ moldable putty pads for use with max 4 by 3-3/4 by 3 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Carlon Electrical Products, made of PVC and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classified for Fire Resistance category in the Fire Resistance Directory. Boxes installed with plastic cover plates, for use in 1 hr rated gypsum board wall assemblies framed with min 3-1/2 in. wide wood studs and constructed as specified in the individual U300 Series Wall and Partition Designs in the Fire Resistance Directory.

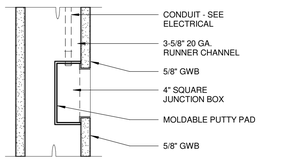
Type MPP+ moldable putty pads for use with max 4 by 3-3/4 by 3-3/4 in. deep UL Listed Nonmetallic Outlet Boxes manufactured by Thomas & Betts Corp., made of phenolic, Type 2002-738-C and bearing a 2 hr rating under the "Outlet Boxes and Fittings Classified for Fire Resistance" category in the Fire Resistance Directory. Boxes installed with steel cover plates. For use in 2 hr fire rated gypsum board wall assemblies framed with min 3-1/2 in. wide steel studs and constructed as specified in the individual U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory.

Type MPP+ moldable putty pads for use with max 4 by 4 by 1-1/2 in. deep flush device UL Listed Metallic Outlet Boxes installed with plastic cover plates for use in 1 hr fire rated gypsum board wall assemblies framed with min 3-5/8 in. wide steel studs and constructed as specified in the individual U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Boxes may be installed back-to-back within the stud cavity.

Type MPP+ moldable putty pads for use with max 5 by 5 by 2 7/8 in. deep flush device UL Listed Metallic Outlet Boxes or UL Listed Communications-Circuit Accessories manufactured by Randl Industries Inc for use in 1 hr or 2 hr fire rated gypsum board wall assemblies framed with min 3-5/8 in. wide wood or steel studs and constructed as specified in the individual U300, U400 or V400 Series Wall and Partition Designs in the Fire Resistance Directory. Metallic outlet boxes to be provided with UL Listed Signal Appliance with steel cover plate manufactured by Cooper Wheelock Inc.

Moldable putty pads are to be installed to completely cover the exterior surfaces of the outlet box (except for the side of the outlet box against the stud unless otherwise noted) including nailing tabs and to completely seal against the stud within the stud cavity. Multiple moldable putty pads may be installed on an outlet box to attain the required minimum thickness of putty material. Additional putty material used to seal around each conduit and/or cable fitting on the exterior of each box. A min 1/10 in. thickness of putty material is required on the exterior surfaces of flush device boxes in 1 and 2 hr fire rated Wall and Partition Designs. When the moldable putty pad outlet box protective material is used on boxes on both sides of wall as directed, the horizontal separation between outlet boxes on opposite sides of the wall may be less than 24 in. provided that the outlet boxes are not installed back to back, except as noted.

Last Updated on 2010-07-23, © 2015 UL LLC



WALL OPENING PROTECTIVE MATERIAL PER UL DESIGN # R9700.

EN2 UL R9700 FIRESTOP ENCLOSURE
A13-EN2 (051716)

PARTITION NOTES

A131-NOT (051023)

IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO PROVIDE SUBSTANTIAL FIRE RESISTIVE INSTALLATIONS CONFORMING TO REQUIREMENTS OF THE INDICATED FIRE TEST AND RECOMMENDATIONS OF UNDERWRITER'S LABORATORIES (U.L.), THE GYPSUM ASSOCIATION AND WALLBOARD MANUFACTURER. INSTALLATIONS NOT CONFORMING TO THOSE STANDARDS SHALL BE CORRECTED AT NO COST TO THE OWNER.

1. GENERAL- REFER TO DRAWING X1-1 GENERAL NOTES AND DESIGN CRITERIA FOR ADDITIONAL INFORMATION.
2. WALL TYPES- REFER TO PARTITION LEGEND. FURRED SPACES MAY USE 1-5/8" X 25 GA. METAL STUDS, UNLESS NOTED OTHERWISE. TYPICAL WALL CONSTRUCTION IS 5/8" THICK FIRE RESISTIVE U.L. CLASSIFIED GYPSUM WALLBOARD EACH SIDE OF 3-5/8" X 25 GA. GALV. METAL STUDS AT 16" O.C. CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND INSTALL STUDS PER MANUFACTURERS RECOMMENDATION.
3. CONSTRUCTION - CONTRACTOR SHALL AT ALL TIMES ENDEAVOR TO CONSTRUCT THE FACILITY IN STRICTEST ACCORDANCE TO SOUND PRACTICES OF FIRE RESISTIVE CONSTRUCTION. DEVIATIONS FROM RECOMMENDATIONS OF THE MANUFACTURER OR INDEPENDENT FIRE TESTS SHALL BE CORRECTED AT NO ADDITIONAL COST TO THE OWNER.
4. NON-RATED PARTITIONS- NON-RATED PARTITIONS SHALL BE FRAMED TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK WITH THE WALLBOARD EXTENDING A MINIMUM OF 4" ABOVE THE FINISHED CEILING.
5. RATED PARTITIONS - TYPICAL ONE AND TWO HOUR FIRE OR FIRE/ SMOKE RATED PARTITIONS SHALL EXTEND TIGHT TO UNDERSIDE OF EXISTING OR NEW FLOOR OR ROOF DECK. WHERE PARTITIONS ABUT FLOOR OR ROOF DECK, VOIDS BETWEEN DECK AND RUNNER TRACK SHALL BE TIGHTLY PACKED WITH APPROVED FIRESTOPPING MATERIAL.
6. SMOKETIGHT PARTITIONS- TYPICAL SMOKE TIGHT PARTITIONS SHALL EXTEND 4" ABOVE CEILING SYSTEM AND PERIMETER OF CEILING GRID AT ACOUSTICAL LAY IN CEILING SYSTEM (W.C.D.) SHALL BE SEALED CONTINUOUSLY, AT AREAS INDICATED ON LIFE SAFETY PLAN, FLOOR PLAN OR BY CODE THE SMOKETIGHT PARTITIONS SHALL BE FRAMED TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK. GYPSUM WALLBOARD SHALL EXTEND TO THE DECK ON ONE SIDE (TYPICALLY CORRIDOR SIDE OF WALL) OPPOSITE LAYER OF WALLBOARD SHALL EXTEND 4" ABOVE FINISH CEILING, OR TO DECK IF NO CEILING. TAPE AND FINISH ALL JOINTS ABOVE CEILING, AND SEAL WALLBOARD TO DECK OR ABUT FIREPROOFING FOR SMOKETIGHT CONSTRUCTION. ALL SEALANTS SHALL BE RUBBERIZED OR CONTAIN ACRYLIC POLYMERS. THE ANNULAR SPACE BETWEEN A PENETRATING OBJECT AND THE SMOKETIGHT WALL SHALL NOT EXCEED 1/4 INCH.
7. RATED WALL INTERSECTIONS- ALL RATED WALLS SHALL EXTEND THROUGH THE INTERIOR LAYER OF WALLBOARD AND STUD CAVITY TIGHT TO THE BACK OF THE INSIDE FACE OF EXTERIOR MASONRY/CONCRETE WALLS. WHERE SUCH PARTITIONS INTERSECT LESSER RATED PARTITIONS, THE HIGHER RATED PARTITION'S LAYERS OF WALLBOARD SHALL CONTINUE UNINTERRUPTED THROUGH THE WALL OF LESSER FIRE RATING. REFER TO WALL PRIORITY LEGEND.
8. GYPSUM WALLBOARD- ALL GYPSUM WALLBOARD SHALL BE 5/8" THICK FIRE RESISTIVE U.L. CLASSIFIED MATERIAL APPLIED IN STRICT COMPLIANCE TO THE APPLICABLE FIRE TEST DESIGN, MANUFACTURER AND GYPSUM ASSOCIATION RECOMMENDATIONS WITH JOINTS ON OPPOSITE WALL FACES OFFSET FROM EACH OTHER AS FOLLOWS:

   A) VERTICAL JOINTS OFFSET 16" HORIZONTALLY, MIN.

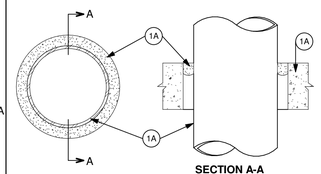
   B) HORIZONTAL JOINTS OFFSET 24" VERTICALLY, MIN.

   ALL WALLBOARD JOINTS & SCREW HEADS SHALL BE TAPED AND FINISHED WITH JOINT COMPOUND, INCLUDING THOSE ABOVE CEILING. FASTENERS SHALL BE OF APPROVED TYPE AND INSTALLED IN ACCORDANCE WITH APPLICABLE FIRE TEST. WHERE GYPSUM WALLBOARD IS ATTACHED TO METAL STUDS, USE TYPE "G" SCREWS. WHERE BOARD IS LAMINATED TO BOARD, USE TYPE "Q" SCREWS. LENGTH SHALL BE AS REQUIRED. SCREW SPACING SHALL BE AS REQUIRED PER SPECIFIED U.L. NUMBER FOR EACH SPECIFIED WALL RATING. IF NON-RATED PARTITION SCREW SPACING SHALL BE AS SPECIFIED BY MANUFACTURES RECOMMENDATIONS.
9. METAL FRAMING- UTILIZE 3-5/8" X 25 GA. GALV. METAL STUDS THROUGHOUT, UNLESS NOTED OTHERWISE. USE MINIMUM 20 GA. GALV. METAL STUDS OR RUNNER TRACKS FOR ALL BACK-UP AT WALL MOUNTED ITEMS, DOOR JAMBS & HEADS, DIAGONAL BRACING, OR AS OTHERWISE SHOWN OR REQUIRED. USE OTHER GAUGE MATERIAL WHERE SHOWN ON DRAWINGS OR AS REQUIRED IN PROJECT MANUAL OR BY MANUFACTURERS.
10. MOLD AND MOISTURE RESISTANT GYPSUM BOARD- ALL GYPSUM BOARD IN BATHROOMS, JANITORS CLOSETS, WALLS TO RECEIVE CERAMIC TILE, AND OTHER AREAS SUBJECT TO WETTING OR HUMIDITY SHALL BE 5/8" THICK MOLD AND MOISTURE RESISTANT FIRE RESISTIVE TYPE ON ALL WALLS. IN SHOWERS AND EXTENSIVE WETTING AREAS USE FIRE-RATED 5/8" CEMENT BOARD OR 5/8" DENS-SHIELD. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
   ALL EXTERIOR WALLS: THE GYPSUM WALLBOARD ON THE INTERIOR FACE OF THE EXTERIOR WALL SHALL BE MOLD AND MOISTURE RESISTANT AND SHALL EXTEND TO THE BOTTOM OF THE ROOF OR FLOOR DECK ABOVE. ALL JOINT SHALL BE TAPED AN FINISHED ABOVE CEILING AND SEAL WALLBOARD TO DECK OR ABUT FIRE PROOFING.
11. EXISTING RATED WALLS- EXISTING WALLS INDICATED TO BE FIRE OR SMOKE RATED WITHIN THE CONSTRUCTION LIMITS SHALL BE VERIFIED IN FIELD TO BE SO RATED. RENOVATE /REPAIR THOSE WALLS NOT SO RATED OR WITH IMPROPER PENETRATIONS OR OPENINGS TO MEET INDICATED RATING. SEAL ALL PENETRATIONS OF EXISTING WALLS TO MAINTAIN INDICATED RATING.
12. PENETRATIONS- WHERE PIPES, CONDUIT, BEAMS, OR ANY OTHER MATERIALS PENETRATE A FIRE RATED WALL OR PARTITION, OPENINGS SHALL BE TIGHTLY SEALED. OPENINGS IN C.M.U. WALLS SHALL BE SEALED WITH MINERAL FIBER SAFING INSULATION OR APPROVED FIRE RATED SEALANT AND ALLOW FOR PROPER DUCT EXPANSION AS REQUIRED BY MANUFACTURES INSTALLATION INSTRUCTIONS. PENETRATIONS FOR PIPES, CONDUIT, DUCTS, ETC. IN EXCESS OF 4" MAXIMUM DIMENSION SHALL BE FRAMED WITH RUNNER CHANNELS.

System No. C-AJ-1027

January 22, 2008

F Rating - 3 Hr
T Rating - 0 Hr



SECTION A-A

1. Floor or Wall Assembly - Min 4-1/2 in. thick lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of through opening is 12-1/4 in.

See Concrete Blocks (CAZT) category in Fire Resistance Directory for names of manufacturers.

2. Through Penetrants - One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Min annular space between pipe, conduit or tubing and edge of opening is 0 in. (point contact). Max annular space is dependent on pipe, conduit or tubing type and size as well as the F Rating of the system, as shown in the table below. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe - Nom 10 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Conduit - Nom 6 in. diam (or smaller) rigid steel conduit.

C. Conduit - Nom 4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.

D. Copper Tubing - Nom 3 in. diam (or smaller) Type L (or heavier) copper tubing.

E. Copper Pipe - Nom 3 in. diam (or smaller) Regular (or heavier) copper pipe.

F. Iron Pipe - Nom 10 in. diam (or smaller) cast or ductile iron pipe.

Pipe Conduit or Tubing Type	Max Nom Pipe Conduit or Tubing Diam In.	F Rating Hr	Max Annular Space In.
A or F	10	3	3/4
B	6	3	3/4
C	4	3	1-1/2
D and E	3	3	3/4
D and E	3	2	7/8

3. Fill, Void or Cavity Materials* - Putty - Moldable putty material kneaded by hand and applied to fill annular space to a min depth of 1 in., flush with top surface of floor. In wall assemblies, required putty thickness to be installed symmetrically on both sides of wall.

3M COMPANY - MPS-2+.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2008-01-22

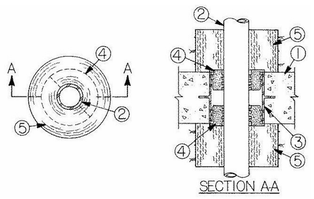
FP 1 FLOOR / WALL SECTION PIPE PENETRATION
1"=1'-0" A131-FP1 (111423)

System No. C-AJ-1094

April 25, 2014

F Rating - 2Hr

T Rating - 1-1/2 and 2 Hr (See Item 5)



1. Floor or Wall Assembly - Min 5 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*.
See Concrete Block (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Pipe or Conduit - Nom 3 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, iron pipe, steel conduit or steel electrical metallic tubing (EMT). One pipe or conduit centered within opening. Pipe or conduit to be rigidly supported on both sides of floor or wall assembly.

3. Firestop Device* - Steel Frame - Circular steel frame with anchor flange at its midheight. Device frame to be cast in place in floor or wall assembly in accordance with the accompanying installation instructions. Overall height of device frame to be equal to overall thickness of floor or wall assembly. Max size of device frame is 4.65 in. (118 mm) diam. Device frame to be used in conjunction with elastomeric sealing plugs (Item 4).

4. Firestop Device* - Elastomeric Sealing Plugs - Elastomeric sealing plugs sized to accommodate device frame (Item 3) and through- penetrating item. Sealing plugs installed in device frame on both sides of floor or wall assembly in accordance with the accompanying installation instructions.

5. Pipe Covering - Nom 3 in. thick, min 5 pcf density mineral wool batt insulation sized to fit pipe or conduit. Pipe covering to be secured to pipe or conduit with steel wire ties on each side of the floor or wall assembly. Pipe covering to be min 6 in. long for 1-1/2 hr T Rating and min 12 in. long for 2 hr T Rating. Pipe covering abutting underside of floor assembly to be mechanically secured to pipe or floor to prevent slippage.

Note:
*Bearing the UL Classification Marking.

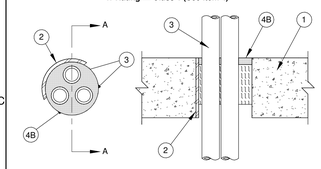
Last Updated on 2014-04-25

FP 2 FLOOR / WALL SECTION METALIC PIPE PENETRATION
1"=1'-0" A131-FP2 (111423)

System No. C-AJ-2378

November 26, 2022

F Rating — 2 Hr
T Rating — 0 Hr
W Rating — Class 1 (See Item 4)



SECTION A-A

1. **Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1778 - 2400 kg/m3) concrete. Floor assembly may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core **Precast Concrete Units***. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening 5 in. (127 mm).
See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) categories in Fire Resistance Directory for names of manufacturers.

2. **Steel Sleeve** — (Optional) - Nom 5 in. (127 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Steel sleeve may be installed flush or may project max 2 in. (51 mm) beyond the floor or wall surfaces.

3. **Through-Penetrants** — One or more nonmetallic pipes, conduits or tubes installed concentrically or eccentrically within opening. Annular space between penetrants and periphery of opening or sleeve shall be min of 1/4 in. (6 mm) to max 2 in. (51 mm). The space between penetrants shall be min of 1/4 in. (6 mm) to max 2 in. (51 mm). Penetrants to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of penetrants may be used:

A. **Polyvinyl Chloride (PVC) Pipe** — Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B. **Rigid Nonmetallic Conduit*** — Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70).

C. **Chlorinated Polyvinyl Chloride (CPVC) Pipe** — Nom 1-1/2 in. (38 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

D. **Crosslinked Polyethylene (PEX) Tubing** — Nom 1 in. (38 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

4. **Firestop System** — The details of the firestop system shall be as follows:

A. **Packing Material** — Min 3 in. (76 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or top edge of sleeve or from both surfaces of wall or both ends of sleeve as required to accommodate the required thickness of fill material. In floors constructed of hollow-core concrete, packing material to be recessed from top and bottom surfaces of floor or sleeve as required to accommodate the required thickness of fill material.

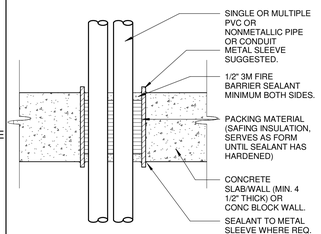
B. **Fill, Void or Cavity Materials*** - Caulk or Sealant — Min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top surface of floor or top edge of sleeve or with both surfaces of wall or both ends of sleeves. In floors constructed of hollow-core concrete, min 1/2 in. (13 mm) thickness of caulk applied within the annulus, flush with top and bottom surfaces of floor or sleeve. Min 1/4 in. (6 mm) diam bead of caulk applied to the penetrant/concrete or penetrant/sleeve interface at the point contact location on the top surface of floor or both surfaces of wall or hollow-core concrete.

3M COMPANY — IC 15WB+, CP 25WB+ caulk or FB-3000 WT sealant.

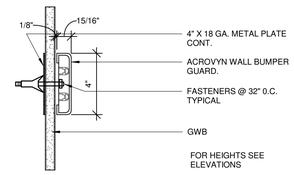
(Note - W Rating applies only when FB-3000 WT is used. CP 25WB+ not suitable for use with CPVC pipes.)

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

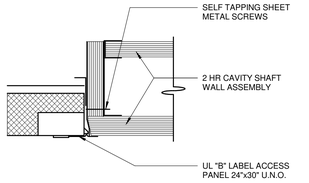
Last Updated on 2022-11-26



FP 3 PIPE OR CONDUIT PENETRATION NON-METALIC FOR SHAFTS & CHASES ONLY
3"=1'-0" A131-FP3 (111423)

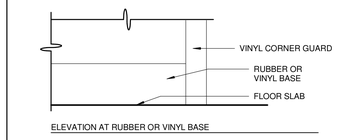


WB 1 SURFACE MOUNTED WALL BUMPER (TA-12)
3"=1'-0" A131-WB1 (011315)

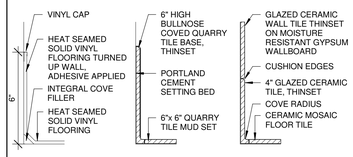


NOTE:
MIN. SIZE A.P. 24" WIDE x 30" HIGH - "B" LABEL

AD 1 TYPICAL ACCESS DOOR DTL. (INSUL. IN SHAFT WALL SHOWN, OTHERS SIMILAR)
3"=1'-0" A131-AD1 (011315)



A3 CORNER GUARD DETAIL
3"=1'-0" A131-E1 (061915)

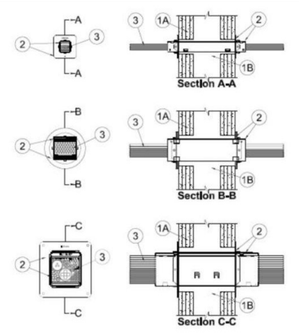


B3 BASE DETAILS
3"=1'-0" A131-D1 (041522)

System No. W-L-3377

April 12, 2016

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings – 1, 2, 3 and 4 Hr (See Items 1 and 3)	F Ratings – 1, 2, 3 and 4 Hr (See Items 1 and 3)
T Rating – 3/4, 1, 1-1/2 and 2 Hr (See Item 3)	FT Rating – 3/4, 1, 1-1/2 and 2 Hr (See Item 3)
L Rating At Ambient – Less than 1 to 7 CFM/Device Module (See Item 2)	FH Ratings – 1, 2, 3 and 4 Hr (See Items 1 and 3)
L Rating at 400 F – Less than 1 to 3 CFM/Device Module (See Item 2)	FTH Rating – 3/4, 1, 1-1/2 and 2 Hr (See Item 3)
	L Rating At Ambient – Less than 1 to 7 CFM/Device Module (See Item 2)
	L Rating at 400 F – Less than 1 to 3 CFM/Device Module (See Item 2)



1. Wall Assembly — The 1, 2, 3 or 4 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400, V400 or W400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:

A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. See Table for opening sizes.
The hourly F and FH Ratings are dependent upon the hourly rating of the wall in which it is installed.

2. Firestop Device* — Series 22 EZ Path device modules consist of a 1.4 by 1.4 by 10-1/2 in. (36 by 36 by 267 mm) long galv steel tube with an intumescent material lining. Series 33 EZ Path device modules consist of a 3 by 3 by 10-1/2 in. (76 by 76 by 267 mm) long galv steel tube with an intumescent material lining. Series 44+ EZ Path device modules consist of a 4 by 4-5/8 by 14 in. (102 by 118 by 356 mm) long galv steel tube with an intumescent material lining. Firestop device modules to be installed in accordance with the accompanying installation instructions. Firestop device modules secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device by means of steel screws provided with device. Firestop device module is to be installed with ends projecting an equal distance beyond each surface of the wall assembly. The annular space between the device and opening shall be min 0 in. (point contact) to max 1/8 in. (3 mm) for Series 22 device, max 1/2 in. (13 mm) for Series 33 device and max 1/4 in. (6 mm) for Series 44 device. The opening size and L Ratings for each device vary according to whether device module is blank (no cables) or loaded (with cables) and which cable type and size is used, as tabulated below:

Device	Max Cable Fill	Cable Type	L-Rating (CFM) Ambient	L-Rating (CFM) 400 °F	Opening Size – Diam or Dimensions, in. (mm)
Series 22	0%	—	L-4	L-4	2 (51) or 3-1/4 x 3-1/4 (44 x 44)
Series 22	1-25%	3A	Less Than 1	Less Than 1	2 (51) or 3-1/4 x 3-1/4 (44 x 44)
Series 22	26-50%	3A	Less Than 1	Less Than 1	2 (51) or 3-1/4 x 3-1/4 (44 x 44)
Series 22	51%-75%	3A	Less Than 1	Less Than 1	2 (51) or 3-1/4 x 3-1/4 (44 x 44)
Series 22	76-100%	3A	Less Than 1	Less Than 1	2 (51) or 3-1/4 x 3-1/4 (44 x 44)
Series 22	100%	3F	Less Than 1	Less Than 1	2 (51) or 3-1/4 x 3-1/4 (44 x 44)
Series 33	0%	—	Less Than 1	Less Than 1	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3A	4	3	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3F	L-3	Less Than 1	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3G, 3H	7	2	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 33	100%	3I	L-8	L-8	4 (102) or 3-1/4 x 3-1/4 (82 x 82)
Series 44+	0%	—	Less Than 1	Less Than 1	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	1-25%	3A-3I	L-5	L-5	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	26-50%	3A-3I	2-3	2-3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	51-75%	3A-3I	2-3	2-3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)
Series 44+	76%-100%	3A-3I	2-3	3-3	6 (152) or 4-1/8 x 4-3/4 (120 x 120)

SPECIFIED TECHNOLOGIES INC — EZ PATH Series 22, 33 or 44+ Fire Rated Pathway

2A. Firestop Device* — Extension Module — (Optional, Not Shown) — Module attached to ends of Series 33, Series 44+ firestop device (Item 2) to increase its length to facilitate installation in thicker walls. Each module consists of a galv steel tube with an intumescent material lining. Extension module to be installed in accordance with the accompanying installation instructions. When module is used, firestop device (Item 2) and extension module(s) secured in place by means of steel wall plates installed with gasketing material supplied with product. Steel wall plates installed on both sides of wall and secured to each device or extension module(s) by means of steel set screws provided with wall plates. Firestop device and extension module(s) assembly to be installed with ends projecting an equal distance beyond each surface of the wall assembly.

SPECIFIED TECHNOLOGIES INC — EZ PATH Series 33 or Series 44+ Extension

3. Cables — Cables may represent a 0 to max 100 percent visual fill within the loading area for the firestop device module. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types of cables may be used:

A. Max 400 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) or plenum-rated jacketing and insulation.
B. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation
C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.
D. Max 3/C No. 2/0 AWG metal clad or armored cable with steel or aluminum jacket.
E. Max 3/C No. 8 AWG NM cable (Romex) with PVC insulation and jacket.
F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.
G. Coaxial cable with fluorinated ethylene or PVC insulation and jacketing having a max diam of 5/8 in. (16 mm).
H. Optical fiber cable with PVC or polyethylene (PE) jacket and insulation and having a max diam of 5/8 in. (16 mm).
I. Max RG6/U coaxial cable with fluorinated ethylene, polyethylene (PE), PVC or plenum rated jacketing and insulation.

When Series 22 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr except that for Items 3F, 3G and 3H, the T, FT and FTH Ratings are 1 hr. When the hourly fire rating of the wall assembly is 2 hr or greater, the T, FT and FTH Ratings are 3/4 hr when cables are installed. When no cables are installed within the device module, the T, FT and FTH Ratings are 1 hr in 1 hr walls and 1-1/2 hr for 2, 3 and 4 hr walls. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr. When max 200 pair No. 24 AWG telecommunication cable and/or 350 kcmil power cable is used or when Item 3F, 3G, 3H or 3I is used, the maximum F and FH Ratings are 4 hr.

When Series 33 EZ Path device modules are used and when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 3/4 hr. When the hourly fire rating of the wall assembly is greater than 1 hr, the T, FT and FTH Ratings are 3/4 hr when Item 3A, 3B, 3C, 3D or 3E is used. Otherwise the T, FT and FTH Ratings are 1 hr. When Item 3A, 3B, 3C, 3D or 3E is used, the maximum F and FH Ratings are 2 hr. When max 200 pair No. 24 AWG telecommunication cable is used or when Item 3F, 3G, 3H or 3I is used, the maximum F and FH Ratings are 4 hr.

When Series 44 + EZ Path device modules are used and when Item 3A, 3B, 3C, 3D or 3E is used, the max F and FH Ratings are 3 hr and the T, FT and FTH Ratings are 1 hr. When Item 3F or 3G is used, the max F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 1-1/2 hr. When Item 3H or 3I is used, the max F and FH Ratings are 4 hr and the T, FT and FTH Ratings are 2 hr. When device empty, the T, FT and FTH Ratings are 1-1/2 Hr.

«Bearing the UL Listing Mark

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2016-04-12

FP 7 THROUGH-PENETRATION FIRESTOP SYSTEMS
1 1/2"=1'-0" A131-FP7 (111423)

Design No. U937

March 17, 2023

Bearing Wall Rating — 2 or 4 Hr. (See Item #1)
Nonbearing Wall Rating — 2 or 4 Hr. (See Item #1)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Horizontal Section

1. Concrete Blocks* — Nominal 8 by 8 by 16 in. or 12 by 8 by 16 in. concrete blocks. Classification 2 hr. and 4 hr**.**

CAROLINA BLOCK LLC — 8x8x16 Bottom Ash Fire Block, 12x8x16 Bottom Ash Fire Block.

2. Mortar — Blocks laid in full bed of Type S mortar, nom. 3/8 in. thick. Vertical joints staggered.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

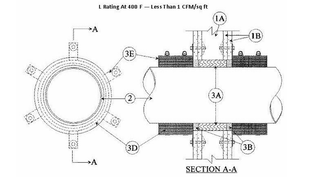
Last Updated on 2023-03-17

B7 UL DESIGN NO. 937
NTS UL 937 (111423)

System No. W-L-2079

October 14, 2003

F Ratings — 1 and 2 Hr (See Item 1B) T Rating — 0 Hr
L Rating At Ambient — 1 CFM/sq ft
L Rating At 400 F — Less Than 1 CFM/sq ft



SECTION A-A

Wall Assembly — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. OC (406 mm) with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 10 in. (254 mm).

The hourly F rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

Through Penetrant — One nonmetallic pipe to be centered within the firestop system. A nom annular space of 11/16 in. (18 mm) is required within the firestop system. Pipe to be rigidly supported on both sides of the wall assembly. The following types and sizes of nonmetallic pipes may be used:

Polyvinyl Chloride (PVC) Pipe — Nom 8 in. (203 mm) diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) vented (drain, waste, or vent) piping systems.

Flame Retardant Polypropylene (FRPP) Pipe — Nom 8 in. (203 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 8 in. (203 mm) diam (or smaller) SDR 17 13.5 CPVC pipe for use in closed (process or supply) piping systems.

Firestop System — The firestop system shall consist of the following:

Packing Material — Min 4 pcf (64 kg/m3) mineral wool insulation cut to size to fill the annulus within the opening and stud cavity. Mineral wool insulation wrapped around the outer circumference of the through penetrant and secured together by means of No. 24 AWG steel tie wire. Mineral wool insulation slid into annulus of opening and recessed from both surfaces of wall to accommodate the required thickness of fill material.

Fill, Void or Cavity Material* — Sealant — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall.

SPECIFIED TECHNOLOGIES INC — SpecSeal 100, 101, 102, 105, 120 or 129 Sealant

Aluminum Foil Tape — (Not Shown) — Nom 3 mil (0.8 mm) thick pressure sensitive aluminum foil tape wrapped around the outer circumference of the through penetrant with a 1 in. (25 mm) wide overlap along its perimeter joint. Foil tape shall abut against both surfaces of the wall and extend a min 5 in. (127 mm) beyond both surfaces of the wall.

Fill, Void or Cavity Material* — Wrap Strip — Nom 1/8 or 3/16 in. (3.2 or 4.8 mm) thick intumescent material faced on both sides with a plastic film, supplied in 2 in. (51 mm) wide strips. Two stacks of wrap strips, each consisting of four wrap strips are individually wrapped around the through penetrant with ends butted and held in place with masking tape. Butted ends in successive layers may be aligned or offset. The edge of the wrap strips shall abut each surface of the wall. Two stacks of wrap strips are installed on each side of the wall.

SPECIFIED TECHNOLOGIES INC — SpecSeal BLU Wrap Strip or SpecSeal BLU2 Wrap Strip

Steel Collar — Collar fabricated from coils of precut 0.029 in. (0.7 mm) thick (No. 22 MSG) galv sheet steel available from wrap strip manufacturer. Collar shall be nom 4 in. (102 mm) deep with min six 1 in. (25 mm) wide by 2 in. (51 mm) long anchor tabs for securement to the wall. Retainer tabs, 3/4 in. (19 mm) wide tapering down to 3/8 in. (10 mm) wide and located opposite the anchor tabs, are folded 90 degrees toward through penetrant surface to maintain the annular space around the pipe and to retain the wrap strips. Steel collar wrapped around wrap strips and through penetrant with 1 in. (25 mm) wide overlap along its perimeter joint. Steel collar tightened around wrap strips and through penetrant using min 1/2 in. (13 mm) wide by 0.028 in. (0.7 mm) thick stainless steel hose clamp spaced 2 in. (51 mm) OC. Collar secured to wall with 1/8 in. (3.2 mm) diam by min 1-3/4 in. (45 mm) long steel molly bolts in conjunction with min 1/4 in. (6 mm) by
1-1/4 in. (32 mm) diam steel fender washers. Steel collars are installed on each side of wall.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2003-10-14
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FP 8 PIPE OR CONDUIT PENETRATION NON-METALIC
1"=1'-0" A131-FP8 (111423)

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Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

#	REVISIONS	
No.	Description	Date

Drawing Title:

INTERIOR PARTITION SECTIONS, NOTES, DETAILS

Drawing Number:

A13-1.1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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Evaluation Service®

Pel **Evaluation Service®** is an accredited **ISO** Standard **17065** Product Certifier, accredited by the IAS. This **Assembly Evaluation Report** represents a system that *Pel* has found to be in conformance with applicable codes, and/or acceptable for use in these products or referred, *United States Gypsum Company* of their liabilities for their products and this system. This **AER** is an official document if it is within one year of the initial or Re-Approval date.

Initial Approval April, 2009

Re-Approved October, 2020

See all Pel **ES** *Listings at: www.pi-e-i.com*

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Assemblies
USG Shaft Walls, Stair Walls & Corridors

Assemblies Evaluated For
1. Non Axial Load Bearing Wall 2. Transverse Load Capacity 3. Fire Resistance 4. Abuse Resistance

Code Compliance

2012 & 2016 International Building Code			2018 International Building Code		
Section 402.2.3	Section 707.3.2	Section 713	Section 403.2.3	Section 707.3.2	Section 713
Section 709.2	Section 707.5	Section 1020.1	Section 709.2	Section 707.5	Section 1020.1
Section 707.3.1	Section 708	Section 2203	Section 707.3.1	Section 708	Section 2202

1. **USG Shaft & Stair Walls Systems** meet the requirements of 1-hour, 2-hour, and 3-hour fire resistive rated assemblies when tested in accordance with ASTM E119 and constructed in accordance with the requirements of the applicable UL Design Number (or equivalent).
2. Meets the requirements for structural integrity of exit enclosures and elevator hoist way enclosures for High-Rise Buildings (Section 403.2.3. of the 2012, 2015 and 2018 IBC) when installed in accordance with the above resistant assemblies listed on page two (2) of this **Assembly Evaluation Report (AER)**. Approved abuse resistant assemblies have been tested in accordance with ASTM C1629.

Component Descriptions
USG Shaft & Stair Wall Systems are generally constructed with the following components.

1. J-Runners

The metal framing members used in construction of **USG Shaft & Stair Wall Systems** are manufactured from cold roll-formed, G40 hot-dipped galvanized steel conforming to **ASTM** A653 SS Grade 33 for 25ga minimum thickness, ASTM A653 SS Grade 40 for 20ga minimum thickness. The galvanization coating shall be a G40 minimum. The available sizes are 3-1/2-in. 4-in and 6-in deep and a length of 16-ft in 24 or 20 gauge. Position steel J-runners at floor and ceiling with the 1-in leg towards the finished side of the wall. Securely attach the runners to the structure supports as design use describes.

For attachment to steel framed construction install floor and ceiling J-runners and End wall J-Runners or E-Shubs, on columns and beams before the steel is fireproofed, except where Z-Clips are used as in UL Design HW-D-0909.

2. Steel Studs

USG Steel C-H and E Studs are manufactured from cold roll-formed light gauge steel conforming to ASTM A653 SS Grade 33 for 25ga thickness and ASTM A653 SS Grade 40 for 20ga minimum thickness. The galvanization coating shall be a G40 minimum. The available sizes are 2-1/2-in, 4-in and 6-in deep and a length of 16-ft in 25 or 20 gauge.

Cut the C-H Studs 3/8-in to 1/2-in shorter than the floor-to-ceiling height. Install C-H Studs interlocked between the SHEETROCK® Brand Gypsum Liner Panels with the liner panels securely engaged. The C-H Studs must have a current evaluation report for use in any **USG** assembly shown within this report.

Terminations: Install full length steel E-Studs or J-Runners vertically at T-Intersections, corners, door jambs and columns.
Openings: Frame with vertical E-Stud or J-Runner at vertical edges, horizontal J-runner at head or sill.
Control Joints: Install full length steel E-Stud or J-Runner at edges of control joints, to fully support gypsum panels.
C-H Studs: Based on stud size shown in Table 1 and Figure 7 of this **AER.**

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Component Descriptions Continued

3. Gypsum Liner Panels

Tested for Composite Limiting Heights Tables 2, 3, & 4:

Sheetrock® Brand Gypsum Liner Panels- UL Type SLX, a high performance panel that is composed of a non-combustible gypsum core encased in a water resistant 100% recycled face and back paper. Gypsum Liner Panels are a nominal thickness of 1-in x 24-in wide x 8-ft to 14-ft long. Must meet the minimum requirements of ASTM C1396.

Alternatives for UL Fire Resistance:
Sheetrock® Brand Mold Tough® Gypsum Liner Panels- UL Type SLX feature a non-combustible, moisture and mold-resistant gypsum core encased in moisture and mold-resistant, 100% recycled **blue** face and back papers. Available 1-in thick, 24-in wide and lengths up to 14-ft. Must meet the minimum requirements of ASTM C1396.

Sheetrock® Brand Glass-Mat Liner Panel- UL Type SLX have a noncombustible, moisture- and mold-resistant gypsum core that is encased in moisture- and mold-resistant glass mat facings. Available 1-in thick, 24-in wide, and lengths up to 14-ft. Must meet the minimum requirements of ASTM C1658.

Note: All of these panels should be cut 1-in shorter than the floor-to-ceiling height, to allow for the panel to be fitted between the top and bottom J-runners. This shorter wall height exceeds the length of the liner panel, it must be butted together with meeting factory cut ends. The joints should be staggered and positioned in the upper or lower 1/3 of the wall. Panels must be UL/ULC classified for fire resistance and identified as Type SLX on the UL marking and UL Fire Resistance Directory.

4. Gypsum Wallboard

Tested for Composite Limiting Heights Tables 2, 3, & 4:

Sheetrock® Brand Firecode® C Panels-UL Type C have been tested to generate the shaft/stairwell limiting heights for wall assemblies shown in Figures 1, 2, 3, 4, and 5. Panels are available in 1/2-in and 5/8-in thicknesses, 48-in wide and lengths up to 14-ft. Product must be UL/ULC Classified for fire-rated construction (Type C) and must meet the requirements of ASTM C1396.

Sheetrock® Brand Firecode® X Panels- UL Type SCX have been tested to generate the shaftliner wall limiting heights for the wall assembly described by Figure 6. Panels are available 5/8-in thick; 48-in or 54-in wide and lengths up to 14-ft. Product must be UL/ULC Classified for fire-rated construction (Type SCX) and must meet the requirements of ASTM

Alternatives for UL Fire Resistance and/or Abuse Resistance:
Sheetrock® Brand Mold Tough® Gypsum Panels, have a non-combustible, moisture-resistant gypsum core encased in moisture and mold-resistant, 100 percent recycled **green** face and **brown** back paper. Available in **Firecode**-UL Type SCX and **Firecode C**- UL Type C core formulations in the same widths, thicknesses and lengths listed above. The panels have been tested for use in abuse resistant assemblies in accordance with ASTM C 1629. Class 2 Impact Rating (Soft Body), Class 1 Impact Rating (Hard Body). Product must be UL/ULC Classified for fire-rated construction (Type C or Type SCX) and must meet the requirements of ASTM C1396.

Sheetrock® Brand Mold Tough® VHI (Very High Impact) AR (Abuse Resistant) Gypsum Panels- UL Type AR have a non-combustible, moisture-resistant core encased in moisture and mold-resistant, 100 percent recycled **green** face and **brown** back papers. A fiberglass reinforcing mesh is imbedded in the core adjacent to the back paper. Available in Firexos Core formulation in the same widths, thicknesses, and lengths listed above. The panels have been tested for use in abuse resistant assemblies in accordance with ASTM C 1629. Class 3 Impact Rating (Soft Body), Class 3 Impact Rating (Hard Body). Product must be UL/ULC Classified for fire-rated construction (Type AR) and must meet the requirements of ASTM C1396.

Firecore® Brand Abuse Resistant Interior Panels- UL Type FRX-G are high performance abuse resistant panels. Available 5/8-in thick, 48-in wide and available in lengths up to 14-ft. The panels have been tested for use in abuse resistant assemblies in accordance with ASTM C 1629. Class 3 Impact Rating (Soft Body) and Class 2 Impact Rating (Hard Body). Product must be UL/ULC Classified for fire-rated construction (Type FRX-G) and must meet the requirements of ASTM C473.

Tested Abuse Resistant Assemblies:
1. Single layer of **5/8-in Fiberock VH6**- UL Type AR on 24-in o.c. 400CH20-34 Studs - Passed ASTM C1629 Hard Body Impact Level 2
2. Single layer of **5/8-in Sheetrock Firecode Core Face**- UL Type SCX and a single layer of **5/8-in Fiberock VH6**- UL Type AR Base on 24-in o.c. 400CH20-34 Studs - Passed ASTM C1629 Hard Body Impact Level 3 and Soft Body Impact Level 2
3. **Two layers of 5/8-in Fiberock VH6**- UL Type AR on 24-in o.c. 400CH20-34 Studs - Passed ASTM C1629 Hard Body Impact Level 3 and Soft Body Impact Level 2.

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~ *Cavity Shaft Wall Systems* ~

One-Hour Cavity Shaft Wall (Non-Load Bearing). **See Figure 1**
1. A minimum 2-1/2-in deep 24 gauge floor and ceiling J-runners, attached to structure as described above.
2. Apply one (1) layer, 5/8" Pliank Sheetrock® Brand Firecale® C Core Gypsum Panels- UL Type C, SCX, AR or FRX-G installed vertically with 1" long Type S screws spaced 12"o.c. in field and at edges for vertical application, and 8" o.c. for horizontal application.
3. A minimum 2-1/2-in deep **USG** C-H Studs (25 gauge 24" o.c., with the H-Section of C-H Stud towards the shaft side of the assembly. E-shaped studs may be used for closure panels at the end of walls or columns. (If J-runners are used at end walls, the gypsum liner needs to be fastened at the ends with 1-5/8" long Type S Screws 12" o.c.)
4. 1" thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX, Friction-fitted in "H" portion of C-H studs.
5. For more details and construction methods, refer to UL Design #U415 System A and the **USG** installation instructions.

Two-Hour Cavity Shaft Wall (Non-Load Bearing). **See Figure 2**
1. A minimum 2-1/2-in deep 24 gauge floor and ceiling J-runners, attached to structure as described above.
2. Apply two (2) layers, 1/2" thick Sheetrock® Brand Firecale® C Core Gypsum Panels- UL Type C. Apply base layer with 1" long Type S screws 24" o.c. in field and at the edges for vertical application and 16" o.c. for horizontal applications. Apply face layer to C-H studs and J-runners with 1-5/8" long Type S screws. Space the screws 12" o.c. at the edges and in the field when applied vertically, 8" o.c. when applied horizontally. Stagger screws at least 2" from screws in the base layer.
3. A minimum 2-1/2-in deep **USG** C-H studs (25 gauge, spaced 24-in o.c., with the H-Section of the C-H stud towards the shaft side of the assembly. E-shaped studs may be used for closure panels at the end of walls or columns. (If J-runners are used at end walls, the gypsum liner needs to be fastened at the ends with 1-5/8-in long Type S screws that are spaced 12-in o.c.)
4. 1-in thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX, Friction-fitted in "H" portion of C-H studs.
5. For more details and construction methods, refer to UL Design #U415 System B and the **USG** installation instructions.

Figure 1 - 1-HR Cavity Shaft Wall (Non-Load Bearing)

Figure 2 - 2-HR Cavity Shaft Wall (Non-Load Bearing)

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Two-Hour Cavity Stair Wall (Non-Load Bearing). **See Figure 3**
1. A minimum 2-1/2" deep, 24 gauge floor and ceiling J-runners, attached to the structure as described.
2. Apply one (1) layer of 1/2" Sheetrock® Brand Firecoat® Gypsum Panels (Type C) to each side of the C-H stud. Attach the C-H stud with 1" long Type S screws 12"o.c. in the field and at the edges for a vertical application and 8-in o.c. center for a horizontal application.
3. A minimum of 2-1/2" deep **USG** C-H studs 25 gauge, spaced 24" o.c., with the H-section of the C-H stud towards the shaft side of the assembly. E-shaped studs may be used for closure panels at the end of walls or columns. (If J-runners are used at end walls, the gypsum liner needs to be fastened at the ends with 1-5/8" long Type S screws that are 12"o.c.)
4. 1" thick Sheetrock® Brand Gypsum Liner Panel-UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. For more details and construction methods, refer to UL Design #U415 System E and the **USG** installation instructions.

Three-Hour Cavity Shaft Wall (Non-Load Bearing). **See Figure 4**
1. A minimum 2-1/2" deep 24 gauge floor and ceiling J-runners, attached to the structure as described in the Figure 4.
2. Apply three (3) layers of 5/8" thick Sheetrock® Brand Firecoat® C Core Gypsum Panels (Type C), vertically or horizontally to the room side of the C-H stud. First layer shall be attached with a 1-in long Type S screw placed 24" o.c. in the field and at the edges when applied vertically, for horizontal applications the screws shall be spaced 16" o.c. The second layer shall be applied with 1-5/8" long Type S screws spaced 24" o.c. when applied vertically or spaced 16" o.c. when the applied horizontally. The Face layer shall be attached with 2" long Type S screws spaced 12-in o.c. starting 1-in and 6-in from the paper edge with the butt joints located mid-span between the C-H studs and attached with 1-1/2-in long Type S screws spaced 8-in o.c. and spaced 3-in. on each side of butt joint. Butt joints in the face layer staggered a minimum of 24-in.
3. A minimum 2-1/2" **USG** C-H studs 25 gauge that are spaced 24" o.c., with the H-section of the C-H stud towards the shaft side of the assembly. E-shaped studs may be used for closure panels at the end of walls or columns. (If J-runners are used at the end walls, the gypsum liner needs to be fastened at the ends with 1-5/8" Type S screws spaced 12" o.c.)
4. 1" thick Sheetrock® Brand Gypsum Liner Panel-UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. For more details and construction methods, refer to UL Design #U415 System G and the **USG** installation instructions.

Figure 3 - 2-HR Cavity Stair Wall (Non-Load Bearing)

Figure 4 - 3-HR Cavity Shaft Wall (Non-Load Bearing)

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Three-Hour Cavity Stair Wall (Non-Load Bearing). **See Figure 5**
1. A minimum 2-1/2" deep 24 gauge floor and ceiling J-runners attached to the structure as described above.
2. Apply two (2) layers of 5/8" thick Sheetrock® Brand Firecoat® C Core Gypsum Panels (Type C), vertically or horizontally to the "room" side of the C-H stud. For vertical applications using a 1" long Type S screw spaced 24" o.c. in the field and at the edges. For vertical applications the gypsum panels need to be spaced 16" o.c. and for horizontal applications they need to be spaced at 16" o.c.
3. A minimum 2-1/2" deep **USG** C-H Stud 25 gauge spaced 24" o.c., where the H-section of the C-H stud faces the shaft. E-shaped studs may be used for closure panels at the end of the walls or columns. (If J-runners are used at end walls, the gypsum liner should be fastened at the ends with a 1-5/8" long Type S screw, spaced 12" o.c.)
4. 1" thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. For more details and construction methods, refer to UL Design #U415 System H and the **USG** installation instructions.

Two-Hour Horizontal Shaft Wall Assembly (Non-Load Bearing). **See Figure 6**
1. A minimum 4" deep 20 gauge J-runner to be installed vertically, on the ends of the wall.
2. Apply two (2) layers of 5/8" thick Sheetrock® Brand Firecoat® Core Gypsum Panels -UL Type SCX, AR, or FGX-G vertically or horizontally to the room side of the C-H stud, with 1" long Type S screws spaced 12" o.c. in the field and at the edges for the BASE layer. The FACE layer shall be installed with 1-5/8" long Type S screws spaced 8" o.c. All joints must be staggered a minimum of 24" from the adjacent layers.
3. A minimum 4" deep **USG** C-H stud or E Studs 20 gauge, are to be installed horizontally with the "C" section of the studs facing down. Studs cut to length to allow a 3/8" to 1/2" maximum gap at each end of the wall. As an option, the studs may be screw attached to the side J-Runners with (4) total 1/2" long pan head Type S screws. One at each end of the stud on each side of the wall.
4. 1" thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. Horizontal Stud Wall Assembly - The wall width is limited by the length of the Gypsum Liner Panel.
6. For more details and construction methods, refer to UL Design #U422 and the **USG** installation instructions.

Figure 5 - 3-HR Cavity Stair Wall (Non-Load Bearing)

Figure 6 - 2-HR Horizontal Stud Shaft Wall Assembly (Non-Load Bearing)

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Table 1 - Nominal C-H Stud Dimensions[1] (inches)

Stud Designation	A	B	C	D	E	F[2]
212CH25-18	2 1/2	1	3/8	1 25/64	31/32	1 7/32
212CH20-34	2 1/2	1	3/8	1 25/64	31/32	1 7/32
400CH25-18	4	1	3/8	1 25/64	31/32	1 7/32
400CH20-34	4	1	3/8	1 25/64	31/32	1 7/32
600CH20-34	6	1	3/8	1 25/64	31/32	1 7/32

Table 2 - Limiting Heights Vertical Shaft Walls[1,2]

Stud Designation	Allowable Deflection	2-hr Shaft Wall / Stair Wall				3-hr Shaft Wall			
		Spcd design (ft - in)	1 Face design (ft - in)	1Spcd design (ft - in)	1Spcd design (ft - in)	Spcd design (ft - in)	1 Face design (ft - in)	1Spcd design (ft - in)	1Spcd design (ft - in)
212CH25-18	L/120	13	10	9	4	7	0	4	3
	L/240	11	0	8	4	7	0	4	3
	L/360	9	7	8	4	7	0	4	3
212CH20-34	L/120	16	0	14	0	12	9	11	1
	L/240	12	9	11	1	10	1	8	8
	L/360	11	1	9	8	8	8	7	3
400CH25-18	L/120	10	6	7	0	5	3	3	6
	L/240	10	6	7	0	5	3	3	6
	L/360	10	6	7	0	5	3	3	6
400CH20-34	L/120	20	2	15	7	11	7	8	14
	L/240	17	6	15	5	14	0	12	3
	L/360	15	5	13	6	12	3	10	4
600CH20-34	L/120	30	11	21	5	16	1	10	5
	L/240	24	8	21	5	16	1	10	5
	L/360	21	5	18	8	16	1	10	5

Notes:
1. See Figure 7 for location of tabulated dimensions.
2. Dimension "F" refers to the minimum steel thickness and is shown as the minimum nominal gauge thickness of the material allowable.

Figure 7 - Nominal C-H Stud Dimension Locations
(See Table 1 for Values)

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Table 3 - Limiting Heights - Shaft Walls with Vertical & Horizontal Stud Orientation[1,2,3]

Stud Designation	Allowable Deflection	2-hr Stair Wall				2-hr Shaft Wall			
		Spcd design (ft - in)	1 Face design (ft - in)	1Spcd design (ft - in)	1Spcd design (ft - in)	Spcd design (ft - in)	1 Face design (ft - in)	1Spcd design (ft - in)	1Spcd design (ft - in)
212CH25-18	L/120	14	4	12	6	10	8	10	5
	L/240	12	6	10	8	9	11	9	2
	L/360	11	6	9	11	9	2	8	6
212CH20-34	L/120	18	0	15	7	14	0	12	8
	L/240	14	7	12	10	11	6	11	2
	L/360	13	4	11	6	10	5	9	8
400CH25-18	L/120	11	0	9	2	8	1	7	3
	L/240	10	11	9	2	8	1	7	3
	L/360	10	11	9	2	8	1	7	3
400CH20-34	L/120	21	7	17	10	14	11	12	10
	L/240	17	7	14	11	13	7	11	7
	L/360	15	10	13	3	12	3	10	4
600CH20-34	L/120	31	0	25	3	21	5	17	10
	L/240	28	0	23	10	21	5	17	10
	L/360	25	10	20	5	18	3	14	7

Table 4 - Limiting Heights Vertical Shaft Walls[1,2] - Applicable to Fig. 4 & 5

Stud Designation	Allowable Deflection	3-hr Stair Wall				3-hr Shaft Wall			
		Spcd design (ft - in)	1 Face design (ft - in)	1Spcd design (ft - in)	1Spcd design (ft - in)	Spcd design (ft - in)	1 Face design (ft - in)	1Spcd design (ft - in)	1Spcd design (ft - in)
212CH25-18	L/120	11	4	9	11	8	10	8	3
	L/240	11	4	9	11	8	10	8	3
	L/360	11	4	9	11	8	10	8	3
212CH20-34	L/120	14	7	12	3	10	7	9	4
	L/240	13	3	10	10	9	3	7	10
	L/360	12	3	10	4	9	3	7	10
400CH25-18	L/120	9	0	7	4	6	4	5	1
	L/240	8	11	7	4	6	4	5	1
	L/360	8	11	7	4	6	4	5	1
400CH20-34	L/120	16	5	13	2	10	11	8	11
	L/240	13	2	10	11	8	11	8	11
	L/360	12	1	10	1	8	11	8	11
600CH20-34	L/120	24	7	19	5	15	3	12	3
	L/240	21	5	17	8	15	3	12	3
	L/360	19	10	16	3	14	7	12	3

Notes:
1. See Figure 2 and 3 for vertical stud installation details within shaft/stair wall.
2. See Figure 6 for horizontal stud installation details within shaft/stair wall. The horizontal wall width is limited to the length of the Gypsum Liner Panel and only 400CH20-34 and 600CH20-34 steel studs are permitted for horizontal stud installations.
3. Tabulated limiting heights are based upon the tested composite behavior of the 2 hour wall assemblies described in this **AER** only. Alternative designs are outside the scope of this **AER.**

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One Hour Corridor Assembly, See Figure 8
1. A minimum 2-1/2" deep 24 gauge J-runner attached horizontally to perimeter or boundary walls with a power actuated fasteners.
2. Gypsum Wall Board:
   a. For a one (1) hour assembly: Attach one (1) layer of 5/8" thick Sheetrock® Brand Panel- UL Type C, SCX, AR or FRX-G to the underside of the "Corridor Ceiling" of the C-H stud and the perimeter J-runners. Use 1" long Type S screws that are spaced 12" o.c. in the field and edges.
3. Install the C-H studs perpendicular to the J-runner spaced 24" o.c. with the C-section of the C-H stud facing downward towards the corridor side of the assembly with two (2) screws a minimum 1/2" long Type S-12 screws, one on each side.
4. 1" thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. Ripper Board:
   a. Where the liner panel (item 4) is cut short to be installed, gaps must be filled by using a strip of 1" thick SHEETROCK Brand Gypsum Liner Panel- UL Type SLX.
   b. As an alternative you can use mineral fiber insulation to prevent exposure to the top leg of the J-runner that forms the ceiling.
   c. Where the wall section extends above the corridor ceiling, above corridor height a rip of board must be used to cap the opening between studs and a strip of mineral fiber insulation as described in item 6 must be used.
6. In order to prevent the passage of heat and gases, a 12" minimum long strip of mineral fiber insulation must be used to fill in the stud cavity of the walls.

1-Hour Corridor	
Single layer 5/8-in gypsum panels	Maximum Span
212CH25-18[1,2]	8-ft - 6-in
212CH20-34[1,2]	10-ft - 4-in
400CH25-18[1,2]	9-ft - 3-in
400CH20-34[1,2]	14-ft - 11-in
600CH20-34[1,2]	20-ft - 10-in

Notes:
1. Based on L/240 allowable deflection with studs at 24-in o.c. and JR24 runners.
2. J-Runner connection to wall/building must meet or exceed 186-lbs capacity at every stud location (24-in o.c.).
3. C-H studs are not designed to carry live loads, mechanical equipment or provide material storage area. See USG SA5B.

Figure 8 - One Hour Corridor and Limiting Spans

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General Product Usage and Limitations
1. These products shall be installed in accordance with ASTM C 840 *Standard Specification for Application and Finishing of Gypsum Board*, and in accordance with **USG** Application Guide Specifications.
2. The **USG** SHEETROCK® Brand Gypsum Shaftliner® system is designed to enclose stair walls, elevator shafts, mechanical components and ventilating ducts.
3. For horizontal ceiling and ductwork applications, please see manufacturer's product brochure *SG26 Shaft Wall Systems* .
4. Non-load bearing are limited to fire-resistance only. Structural and other requirements shall be in accordance with pertinent building code and manufacturer's requirements.

Product Labeling
Each assembled **USG** Drywall Shaft Partition System that is covered by this **AER**, must be marked with the following information:

Gypsum Board & Liner Panels:
1. **USG** Name
2. Product Name
3. Plant Identifier & Date Code
4. UL/ULC Classification (or equivalent) label for Firecode Resistance, surface burning characteristics and non-combustibility.

Steel C-H Studs:
1. Each bundle of steel studs contains a label with the steel gauge and yield strength.
2. Each stud is identified at a maximum spacing of 96-in with the manufacturer name, product code, minimum thickness, and yield strength.

Tested to
ICC-ES (Formerly ICBO) AC86 (1995) - Acceptance Criteria for determining limiting height of composite walls constructed of gypsum and steel studs by revision - Date: July, 1995.
ASTM E330-97 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Differences, following procedure A. (Test Reports 2004-0329-S-L were based on this test method)
ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials
ASTM C1396 - Standard Specification for Gypsum Board, Section 5 Gypsum Wallboard, Predecorated Gypsum Board and Laminated Gypsum Wallboard.
ASTM C1278-17 - Standard Specification for Fiber-Reinforced Gypsum Panel.
ASTM C1629-06 - Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels.

Product Documentation
An Assembly Evaluation Service Agreement between *Pel* **Evaluation Service®** and **United States Gypsum Company**
USG Drywall Shaft Partition System Product Installation Guidelines - SA926-USA-ENG - Revised: 2/2017
Various Test Reports, Opinion Letters, & Third Party Product Listings Used as Verification of Fire Resistance, Abuse Resistance, and Transverse Load Capacity.
Various Engineering Calculations for Limiting Heights and Horizontal Spans.

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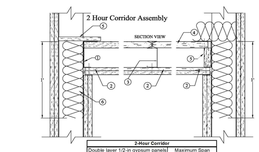
Two Hour Corridor Assembly, See Figure 9
1. A minimum 2-1/2" deep 24 gauge J-runner attached horizontally to perimeter or boundary walls with a power actuated fasteners.
2. Gypsum Wall Board:
   a. For a two (2) hour assembly: Attached two (2) layers of minimum 1/2" thick Sheetrock® Brand Firecoat® C Core Gypsum Panels (Type C) to the underside of the "Corridor Ceiling" of the C-H stud and the perimeter J-runner for the BASE layer, use a 1" long Type S screw that is spaced 24" o.c. along the perimeter and the edges. The FACE layer shall be installed with 1-5/8" long Type S screws that is spaced 12" o.c. in the field and perimeter. All joints must be staggered a minimum of 24" o.c. from the adjacent layer.
3. Install the C-H studs perpendicular to the J-runner spaced 24" o.c. with the C-section of the C-H stud facing downward towards the corridor side of the assembly with two (2) screws a minimum 1/2" long Type S-12 screws, one on each side.
4. 1" thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. Ripper Board:
   a. Where the liner panel (item 4) is cut short to be installed, gaps must be filled by using a strip of 1" thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX.
   b. As an alternative you can use mineral fiber insulation to prevent exposure to the top leg of the J-runner that forms the ceiling.
   c. Where the wall section extends above corridor ceiling, above corridor height a rip of board must be used to cap the opening between studs and a strip of mineral fiber insulation as described in item 6 must be used.
6. In order to prevent the passage of heat and gases, a 12" minimum long strip of mineral fiber insulation must be used to fill in the stud cavity of the walls.



2-Hour Corridor	
Double layer 1/2-in gypsum panels	Maximum Span
212CH25-18[1,2]	7-ft - 10-in
212CH20-34[1,2]	9-ft - 8-in
400CH25-18[1,2]	7-ft - 7-in
400CH20-34[1,2]	14-ft - 0-in
600CH20-34[1,2]	19-ft - 7-in

Notes:
1. Based on L/240 allowable deflection with studs at 24-in o.c. and JR24 runners.
2. J-Runner connection to wall/building must meet or exceed 186-lbs capacity at every stud location (24-in o.c.).
3. C-H studs are not designed to carry live loads, mechanical equipment or provide material storage area. See USG SA5B.
4. C-H studs are not designed to carry live loads, mechanical equipment or provide material storage area See USG SA5B.

Figure 9 - Two Hour Corridor and Limiting Spans

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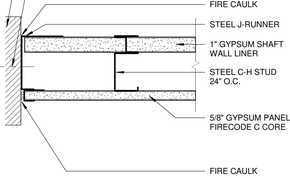
Two-Hour Horizontal Gypsum Duct Enclosure, See Figure 10
1. A minimum 2-1/2-in deep 24 gauge J-runners attached horizontally to the perimeter or boundary wall, with power actuated fasteners.
2. Apply three (3) layers of 1/2-in Sheetrock® Brand Firecoat® C Core Gypsum Panels (Type C), to the J-runner to the structure shall be capable of carrying the weight of the duct enclosure selected by a registered design professional.
3. Install the C-H studs perpendicular to the J-runners, spacing them 24-in o.c. with the C-section of the C-H stud facing downward towards the corridor side of the assembly with two (2) screws a minimum 1/2" long Type S-12 screws, connecting the C-section to the 1-in leg of the J-runner, one on each end. A 2-1/2-in. wide, 30 gauge flat metal strap is attached perpendicular to the mid-span to the H-section of the C-H stud on the shaft side with 1/2-in. long Type S-12 screws, one at each C-H stud and one screw to the 2-1/4-in. long leg of J-runner at each end.
4. 1-in thick SHEETROCK® Brand Gypsum Liner Panel - Friction-fitted in "H" portion of C-H studs and screw attached to the 2-1/4-in leg of the J-runner with 1-5/8-in Type S screws spaced 12-in o.c., starting 1-in and 6-in from the paper edge with the butt joints located mid-span between the C-H studs and attached with 1-1/2-in long Type S screws spaced 8-in o.c. and spaced 3-in. on each side of butt joint. Butt joints in the face layer staggered a minimum of 24-in.
5. For more details on construction methods, including fastenes the **USG** installation instructions shall be followed.



2-Hour Metal Duct Enclosure	
Triple layer 1/2-in gypsum panels	Maximum Span
All Stud Sizes	5-ft - 4-in

Notes:
1. Horizontal membrane maximum span based upon the maximum 5-ft - 4-in span tested in accordance with ASTM E119.
2. J-Runner connection to wall/building shall meet the same requirements as the ceiling applications in Figures 8 and 9.

Figure 10 - Two Hour Horizontal Duct Enclosure Assembly and Limiting Span

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Table 5 - Limiting Heights Vertical Shaft Walls[1,2] - Applicable to Fig. 11

Stud Designation	Allowable Deflection	2-hr Shaft Wall				3-hr Shaft Wall			
		Spcd design (ft - in)	1 Face design (ft - in)	1Spcd design (ft - in)	1Spcd design (ft - in)	Spcd design (ft - in)	1 Face design (ft - in)	1Spcd design (ft - in)	1Spcd design (ft - in)
212CH25-18	L/120	13	10	9	4	7	0	4	3
	L/240	11	0	8	4	7	0	4	3
	L/360	9	7	8	4	7	0	4	3
212CH20-34	L/120	16	0	14	0	12	9	11	1
	L/240	12	9	11	1	10	1	8	8
	L/360	11	1	9	8	8	8	7	3
400CH25-18	L/120	10	6	7	0	5

Design No. U465

March 16, 2004

Nonbearing Wall Rating — 1 HR.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

1. **Floor and Ceiling Runners** — (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runners** — (Not Shown) — As an alternate to Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners spaced 24 in. OC. Max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30GD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30GD and Type SUPREME D20

QUAL RUN BUILDING MATERIALS INC — Type SUPREME D24/30GD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30GD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30GD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30GD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30GD and Type SUPREME D20

1B. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CEMCO, LLC — Viper20™ TrackTM

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ TrackTM

IMPERIAL MANUFACTURING GROUP INC — Viper20™ TrackTM

1C. **Floor and Ceiling Runners** — (Not Shown) — For use with Item 2C — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, width min. to bridge saw opening, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1D. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 thru 1C — For use with Item 2D, and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

1E. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 thru 1D — For use with Item 2E and 4H only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1F. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 thru 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

~~**STUDCO BUILDING SYSTEMS** — Type FTR~~

1G. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Items 1 thru 1F — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CEMCO, LLC — Viper X Track

1H. **Framing Members* — Floor and Ceiling Runners** — Not Shown — In lieu of Item 1 thru 1G, with 1H only, proprietary channel shaped runners, min 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CRACO MFG INC — SmartTrack20™

1M. **Framing Members* — Floor and Ceiling Runners** — Not shown — In lieu of Items 1 through 1L, — For use with Item 2G, proprietary channel shaped runners, min 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 20 MSG galv steel (0.0329 in. min bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.
PANEL REY S A - SUPRA Track 20D/33 mil

1P. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2P, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.019 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
JJC INTERNATIONAL DISTRIBUTORS — Non-structural Tracks 3-5/8" and 6".

1Q. **Framing Members* — Floor and Ceiling Runner** — (Not Shown — Alternate to Item 1) — For use with Item 2Q, channel shaped runners pre-equipped with proprietary attachment clips. Min. 3-5/8 in. deep, fabricated from minimum 3-1/4 in. wide. Legs of bottom runners minimum 1-1/2 in. wide. Runners attached to floor and ceiling with fasteners 24 in. OC max.

HYPERFRAME INC - Hypertrack

1R. **Framing Members* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2R, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min .03 EQ/22 mils, (0.0221 in. thick) galvanized steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

IRONLINE METALS LLC — Bantam Track.

2. **Steel Studs** — Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members* — Steel Studs** — As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Max. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30GD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30GD and Type SUPREME D20

QUAL RUN BUILDING MATERIALS INC — Type SUPREME D24/30GD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30GD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30GD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30GD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30GD and Type SUPREME D20

2B. **Framing Members* — Steel Studs** — As an alternate to Items 2 through 2C — For use with Item 1B, proprietary channel shaped steel studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2E. **Framing Members* — Steel Studs** — As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide by min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2F. **Framing Members* — Steel Studs** — As an alternate to Items 2 through 2E — For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

~~**STUDCO BUILDING SYSTEMS** — Type FTR~~

2G. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 through 2F — For use with Item 1G, Proprietary channel shaped studs, min 3-5/8 in. wide fabricated from min 0.020 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
CEMCO, LLC — Viper X Stud

2H. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1H, proprietary channel shaped steel studs, min 3-5/8 in. wide by min 3-5/8 in. deep fabricated from min 20 MSG galv steel (0.0329 in. min bare metal thickness) spaced 24 in. OC max. Studs cut 3/4 in. less in length than assembly height.

CRACO MFG INC — SmartStud20™

2P. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1P, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min .03 EQ/22 mils. (min. 0.0221 in. thick) galvanized steel, spaced 24 in. OC. Max. Studs cut 3/4 in. less in length than assembly height.

IRONLINE METALS LLC — Bantam Studs.

2Q. **Framing Members* — Steel Studs** — Not Shown — In lieu of Item 2 — For use with Item 1Q, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min. in thick galvanized steel, spaced 24 in. OC. Max. Studs cut 3/4 in. less in length than assembly height.

ROCKWOOL — Type AFB, min. density 1.69 pcf / 27.0 kg/m3

ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts

3A. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum density of 3.5 pounds per cubic ft. (kg/m3). In accordance with the application instructions supplied with the product.
Applegate Greenfiber Acquisition LLC — Insulmax and SAACTUARY for use with wet or dry application.

3B. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft3.
INTERNATIONAL CELLULOSE CORP — Cellar-Fil,

3D. **Batts and Blankets*** — For use with Item 8, Nom 3 in. thick, minimum 3.4 pcf mineral wool batts, friction fit between the studs and floor and ceiling runners.
See **Batts and Blankets** (BZJZ) category for names of manufacturers.

3E. **Batts and Blankets*** — For use with Item 4H and 4S. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See **Batts and Blankets** (BWXV or BZJZ) Categories for names of Classified companies.

3F. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 3) — Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft3.

Applegate Greenfiber Acquisition LLC—Applegate Advanced Stabilized Cellulose Insulation

3G. **Foamed Plastic*** — As an alternate to Batts and Blankets (Items 3-3F), for use with Item 4U — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG thickness.

CARLISLE SPRAY FOAM INSULATION — Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro NH Tnm 21, SealTite Pro Ore Zero, Foamulate OCX, Foamulate 70, and Foamulate HFO.

3H. **Foamed Plastic*** — As an alternate to Batts and Blankets (Items 3-3F), for use with Item 4U — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG thickness.

BASF CORP - Enerfoam® NM, Enerfoam® G, FE1788, Spraytite® 178, Spraytite® 8129R, Spraytite® 8129S, Spraytite® 8129T, Spraytite® 8129X, Wallta® 200, Wallta® US, Wallta® US N, Wallta® HP+, FE1378, FE1588, Spraytite® 8129, Spraytite® SP, Spraytite® 8129S, Spraytite® Comfort XL, Wallta® XL, and Wallta® MAX

4. **Gypsum Board*** — 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC, along edges of board and 12 in. OC in the field of board. Joints oriented vertically and staggered on opposite sides of the assembly. When Steel Framing Members* (Item 6 or any alternate clips) are used, gypsum board is screw attached to furning channels with 1 in. long, Type S steel screws spaced 12 in. OC.

AMERICAN GYPSUM CO — Types AG-C, AG-X, M-Glass, LightBloc

~~**CABOT MANUFACTURING ULC** — Type X, 5/8 Type X, Type Blue/glass Exterior Sheathing~~

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, Type X-1, Type C, 5/8" East-Lite Type X, East-Lite Type X-2, Type LWTX

CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC6A, LGFC-CA, LGFC-WD, LGGLX

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 5, 8, C, DAP, DD, DA, DAPC, DGG, DS, GPFGL, LS, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, TG-C, GreenGlass Type X, Type X CortroGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated - Type DGLW, Sheathing - Type DGLW, Soffit - Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W, Soffit - Type DGL2W

GP GYPSUM CORP — Types AP-C, FSK, FSK-C, FSK-G, FSMR-C, FSMR-X, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSL, RSX

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSMR-X, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSL, RSX

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-S, PG-11, PGS-WRS, PGI

PANEL REY S A — Types 25BC, PRC, PRX, PRO, FRX, MDX, ETX, PRO2

~~**BAYER CORPORATION** - Baytherm® EXP, Baytherm® EXP-CA, Baytherm® EXP-CA Plus, Baytherm® EXP-CA Plus Ultra, Baytherm® EXP-CA Ultra, Baytherm® EXP-CA Ultra Plus, Baytherm® EXP-CA Ultra Plus Ultra, Baytherm® EXP-CA Ultra Ultra, Baytherm® EXP-CA Ultra Ultra Plus, Baytherm® EXP-CA Ultra Ultra Ultra~~

~~**BAYER CORPORATION** - Baytherm® EXP-CA Ultra Ultra Ultra Plus, Baytherm® EXP-CA Ultra Ultra Ultra Ultra, Baytherm® EXP-CA Ultra Ultra Ultra Ultra Plus~~

~~**RAM GYPSUM PRODUCTS PCL** — Type X, 5/8" Type C~~

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX, (Joint tape and compound, Item 5, optional for use with Type USGX)

~~**USG BORAL DRYWALL SFZ LLC** — Type C~~

~~**USG MEXICO S A DE C V** — Type C, IP-X2, IPC-AR or WRC~~

USG BORAL DRYWALL SFZ LLC — Type C

~~**USG MEXICO S A DE C V** — Type C, IP-X2, IPC-AR or WRC~~

4A. **Wall and Partition Facings and Accessories*** — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4G. **Gypsum Board*** — As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal joints centered over studs and staggered in the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 12 in. OC in the field and 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along top and bottom edges of the wall for both vertical and horizontal application.
NATIONAL GYPSUM CO — Type FSW

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type PG-13

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

~~**USG BORAL DRYWALL SFZ LLC** — Type C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)~~

~~**USG MEXICO S A DE C V** — Type C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)~~

4H. **Gypsum Board*** — (As an alternate to Items 4 or 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.
CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

~~**USG MEXICO S A DE C V** — Type AR~~

4J. **Gypsum Board*** — (As an alternate to Items 4, 4A, and 4B — Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be staggered but shall be located over framing. Perimeter and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing.
GEORGIA-PACIFIC GYPSUM L L C — Type DGG, GreenGlass Type X

4Q. **Gypsum Board*** — As an alternate to Items 4, 4A, 4B, 4C, 4D — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal joints centered over studs and staggered in the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced a max 12 in. OC in the field and 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along top and bottom edges of the wall for both vertical and horizontal application.
NATIONAL GYPSUM CO — Type FSW

~~**USG MEXICO S A DE C V** — Type C~~

UNITED STATES GYPSUM CO — Type C

4R. **Gypsum Board*** — (As an alternate to Items 4, 4A, 4B, 4C, 4D, 4Q) — Nom. 5/8 in. thick, 4 ft wide, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal joints centered over studs and staggered in the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced a max 12 in. OC in the field and 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along top and bottom edges of the wall for both vertical and horizontal application.
GEORGIA-PACIFIC GYPSUM L L C — Type DGG, GreenGlass Type X

GP GYPSUM CORP — Types FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8

NATIONAL GYPSUM CO — Types FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-G

PANEL REY S A — Types PRC, PRG2

~~**BAYER CORPORATION** - Baytherm® EXP, Baytherm® EXP-CA, Baytherm® EXP-CA Plus, Baytherm® EXP-CA Plus Ultra, Baytherm® EXP-CA Ultra, Baytherm® EXP-CA Ultra Plus, Baytherm® EXP-CA Plus Ultra, Baytherm® EXP-CA Ultra Ultra, Baytherm® EXP-CA Ultra Ultra Plus, Baytherm® EXP-CA Ultra Ultra Ultra~~

~~**BAYER CORPORATION** - Baytherm® EXP-CA Ultra Ultra Ultra Plus, Baytherm® EXP-CA Ultra Ultra Ultra Ultra, Baytherm® EXP-CA Ultra Ultra Ultra Ultra Plus~~

~~**RAM GYPSUM PRODUCTS PCL** — Type X, 5/8" Type C~~

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX

USG BORAL DRYWALL SFZ LLC — Type C

~~**USG MEXICO S A DE C V** — Type C, IP-X2, IPC-AR~~

4R. **Wall and Partition Facings and Accessories*** — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4Q. **Gypsum Board*** — As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal joints centered over studs and staggered in the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced a max 12 in. OC in the field and 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along top and bottom edges of the wall for both vertical and horizontal application.
NATIONAL GYPSUM CO — Type FSW

CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

4S. **Gypsum Board*** — As an alternate to Item 4G — For use with Item 3E, Batts and Blankets* — 5/8 in. thick, 4 ft wide, installed as described in Item 4. Vertical joints staggered one stud cavity on opposite sides of studs. Horizontal gypsum panels applied vertically or horizontally. Horizontal joints need not be staggered or backed by framing. Gypsum panels fastened to each side of framing with 1 in. long Type S steel screws spaced 12 in. OC along vertical edges and in the field, and 16 in. OC along top and bottom edges of the wall for both vertical and horizontal application.
NATIONAL GYPSUM CO — Type FSLX.

4T. **Wall and Partition Facings and Accessories*** — (As an alternate to 5/8 in. thick board as outlined in Item 4) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. Vertical joints staggered one stud cavity on opposite sides of studs. Screws spaced 12 in. OC along the perimeter and 12 in. OC in the field.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

4U. **Gypsum Board*** — (As an alternate to Item 4 when Foam Plastic insulation (Items 3G or 3H is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 4 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to each stud with 1 in. long Type S steel screws spaced 12 in. OC along vertical edges and in the field. Screws spaced 1/2 in. OC. Over the gypsum and 1/2 in. from the panel edges. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in. OC.

4V. **Gypsum Board*** — (As an alternate to Item 4, for 1 hr. rating) — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered but shall be backed by steel framing. Gypsum panels fastened to each stud with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal application.

CERTAINTEED GYPSUM INC — Type X-1, SilentFX, GlasRoc, Type C

5. **Joint Tape and Compound** — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer base board. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. **Resilient Channel** — (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F, 4J or 4L.

6A. **Steel Framing Members*** — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.
b. **Steel Framing Members** — Used to attach furring channels (Item 6A) to studs. Clips spaced 48 in. OC, and secured to studs with No.8 x 2-1/2 in. coarse drywall screw through the center bonnet. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type ADSTR

6B. **Steel Framing Members*** — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.
b. **Steel Framing Members** — Used to attach furring channels (Item 6A) to studs. Clips spaced 48 in. OC, and secured to studs with No.8 x 2-1/2 in. coarse drywall screw through the center bonnet. Furring channels are friction fitted into clips.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

6C. **Steel Framing Members*** — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel, spaced 24 in. OC and perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.
b. **Steel Framing Members** — Used to attach resilient channels (Item 6C) to studs. Clips spaced 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan head self-drilling screw.
KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

6D. **Steel Framing Members*** — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as described below:
a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.
b. **Steel Framing Members** — Used to attach furring channels (Item 6D) to studs. Clips spaced maximum 48 in. OC, and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.
MASCO INDUSTRIES INC — Type R-Ray Shielded Gypsum

4K. **Gypsum Board*** — (As an alternate to Item 4 and 4A, not for use with Items 10, 1E, 2D and 2E) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4 and 4A.
CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

~~**USG MEXICO S A DE C V** — Type C~~

4L. **Gypsum Board*** — (Not Shown) — As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs and Item 5. Nom. 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 lb/sq ft when a max thickness of 0.14 in. placed on the face of studs and attached to studs and wall construction adhesive and two 1 in. long bugle head fine (drilled) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A).
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4M. **Gypsum Board*** — (For use with Item 8) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 8) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs and floor and ceiling runners with 2 in. long Type S screws spaced 8 in. OC. Joints of outer layer staggered with paper tape and joint compound. Screw heads covered with joint compound.
AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — Type C

CGC INC — Types C, IP-X2, IPC-AR

CERTAINTEED GYPSUM INC — Type LGFC-CA

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C

NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

PANEL REY S A — Types PRC, PRG2

~~**BAYER CORPORATION** - Baytherm® EXP-CA, Baytherm® EXP-CA Plus, Baytherm® EXP-CA Ultra, Baytherm® EXP-CA Ultra Plus, Baytherm® EXP-CA Plus Ultra, Baytherm® EXP-CA Ultra Ultra, Baytherm® EXP-CA Ultra Ultra Plus, Baytherm® EXP-CA Ultra Ultra Ultra~~

~~**BAYER CORPORATION** - Baytherm® EXP-CA Ultra Ultra Ultra Plus, Baytherm® EXP-CA Ultra Ultra Ultra Ultra, Baytherm® EXP-CA Ultra Ultra Ultra Ultra Plus~~

~~**RAM GYPSUM PRODUCTS PCL** — Type C, M2Tech Type C~~

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX

~~**USG BORAL DRYWALL SFZ LLC** — Type C~~

~~**USG MEXICO S A DE C V** — Type C, IP-X2, IPC-AR~~

4N. **Wall and Partition Facings and Accessories*** — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4O. **Gypsum Board*** — As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal joints centered over studs and staggered in the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced a max 12 in. OC in the field and 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along top and bottom edges of the wall for both vertical and horizontal application.
NATIONAL GYPSUM CO — Type FSW

CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Type ULIX

4P. **Gypsum Board*** — As an alternate to Item 4 and 4A, not for use with Items 10, 1E, 2D and 2E) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4 and 4A.
CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

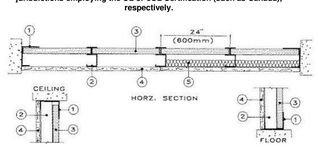
~~**USG MEXICO S A DE C V** — Type C~~

4Y. **Wall and Partition Facings and Accessories*** — (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the GP-500 or GR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in.

Design No. U469

February 2, 2024

Assembly Rating — 1 HR
Nonbearing Wall
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners** — "J" - shaped, 2-1/2 in. wide with unequal legs of 1 in. and 2 in., fabricated from 24 MSG galv steel (min 20 MSG steel required when item 4A, 4B, or 4C is used). Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

2. **Steel Studs** — "C-H" shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, fabricated from min 25 MSG galv steel (min 20 MSG steel required when item 4A, 4B, or 4C is used), spaced 24 in. or 600 mm OC (max 16 in. OC when item 4A, 4B, or 4C is used). Vertically restrained walls require studs to be cut 3/8 in. less than floor to ceiling height.

3. **Gypsum Board*** — 1 in. thick gypsum wallboard liner panels, supplied in nominal 24 in. or 600 mm widths. Vertical edges inserted in "H" shaped section of "C-H" studs. Free edge of end panels attached to long leg of "J" runners with 1-5/8 in. long Type S head steel screws spaced not greater than 12 in. OC.
CERTAINTEED GYPSUM INC — Types Shaftliner, EGRG Shaftliner or GlasRoc Shaftliner

CGC INC — Type SLX.

~~**CERTAINTEED GYPSUM INC** — Type LGFCSL~~

GEORGIA-PACIFIC GYPSUM L L C — Types TP-6, DGUSL, and TRSL

UNITED STATES GYPSUM CO — Type SLX

USG BORAL DRYWALL SFZ LLC — Type SLX

~~**USG MEXICO S A DE C V** — Type SLX~~

4. **Gypsum Board*** — 5/8 in. thick, 4 ft or 1200 mm wide, applied vertically and attached to studs with 1 in. long Type S steel screws spaced 12 in. OC along the edges and in the field of the boards.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, AG-C, LightRoc

CABOT MANUFACTURING ULC — 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Type C, Type X-1.

CGC INC — Types C, IP-X1, IP-X2, IPC-AR, SCX, ULIX, ULX, or WRC.

CERTAINTEED GYPSUM INC — Types LGFC-C, LGFC-C/A, LGFC06A

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Sofit - Type X, Type TG-C, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LWZX, Veneer Plaster Base - Type LWZX, Water Rated - Type LWZX, Sheathing - Type LWZX, Soffit - Type LWZX, Type DGLZW, Water Rated - Type DGLZW, Sheathing - Type DGLZW, Type DGG, Type DAP, Type DS.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-11, PG-C, PGS-WRS, PGI

~~**DAINO GORAN GYPROC MIDDLE EAST FZE** — Type Gyproc FireStop, Gyproc FireStop WR, Gyproc FireStop MR, **ARTEC Gyproc FireStop** ASTAV, Gyproc FireStop MR ASTAV, Gyproc FireStop WR ASTAV, Gyproc FireStop Duraline, Gyproc FireStop Duraline MR, Gyproc FireStop Duraline WR, Gyproc Duraline MR ASTAV, Gyproc Duraline WR ASTAV~~

~~**SHAI GYPSUM PRODUCTS PCL** — Type C~~

UNITED STATES GYPSUM CO — Types C, FRX-G, IP-X1, IP-X2, IPC-AR, SCX, ULIX, ULX or WRC.

USG BORAL DRYWALL SFZ LLC — Types C, SCX

~~**USG MEXICO S A DE C V** — Types C, IP-X1, IP-X2, IPC-AR, SCX, ULIX, or WRC.~~

4A. **Gypsum Board*** — Not Shown - As an Alternate to item 4. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips (item 6) required behind vertical joints
HA1-BAR ENGINEERING CORP — Type RB-LBG

4B. **Gypsum Board*** — Not Shown - As an Alternate to item 4. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints. To be used with Lead Batten Strips (see item 6B) or Lead Discs (see item 6C).
HOJCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4C. **Gypsum Board*** — (Not Shown - As an Alternate to item 4.) Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 lb/sq ft with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-2011, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5. **Batts and Blankets*** — (Optional) — Mineral wool batts partially or completely filling stud cavity.
ROCKWOOL — Type AFB, min. density 1.8 pcf / 28.8 kg/m3

THERMAFIBER INC — Type SAFB, SAFB FF

5A. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (item 5) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft3, in accordance with the application instructions supplied with the product.
Applegate Greenfiber Acquisition LLC — Insulmax and SANCTUARY for use with wet or dry application.

5B. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (item 5) - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

5C. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (item 5) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft3.
INTERNATIONAL CELLULOSE CORP — Cellbar-RL

5D. Deleted.

5E. Fiber, Sprayed* — As an alternate to Batts and Blankets (item 5) - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft3.

Applegate Greenfiber Acquisition LLC — Applegate Advanced Stabilized Cellulose Insulation

6. **Lead Batten Strips** — For Use with Item 4A - (Not Shown) — Lead batten strips required behind vertical joints of lead backed gypsum wallboard (item 4A) and optional at remaining stud locations. Strips, min 1-1/2 in. wide, max 10 lb long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201, Grade "C".

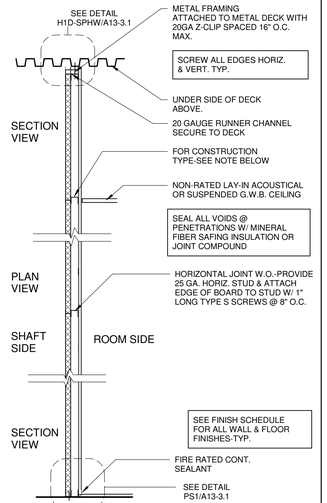
6A. **Lead Discs or Tabs** — (Not Shown) - Used in lieu of or in addition to the lead batten strips (item 6) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead disc compression fitted or adhered over steel screw heads or max 1-2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (item 5) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting Federal specification QQ-L-2011, Grade "C".

6B. **Lead Batten Strips** — (Not Shown, for use with Item 4B) Lead batten strips, 2 in. wide, max 10 lb long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one-min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten to have a purity of 99.5% meeting the Federal specification QQ-L-2011, Grades "B, C or D".

6C. **Lead Discs** — (Not Shown, for use with Item 4B) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-2011, Grades "B, C or D".

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2024-02-02



PS INTERIOR SMOKE PARTITION DETAIL
1"=1'-0" A13-PSG (031522)

System No. BW-S-0013

May 18, 2012

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Joint Width - 5/8 In. Max	F Ratings — 1 and 2 Hr (See Item 2)
	FT Ratings — 1 and 2 Hr (See Item 2)
	FH Ratings — 1 and 2 Hr (See Item 2)
	FTH Ratings — 1 and 2 Hr (See Item 2)
	Joint Width - 5/8 In. Max

1. **Floor Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) structural concrete. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete Units*.
See **Precast Concrete Units** (CFTV) category in the Fire Resistance Directory for names of manufactures.

2. **Wall Assembly** — The 1 or 2 h fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory. In addition, the wall may incorporate a head-of-wall joint system constructed as specified in the HW Series Joint Systems in the UL Fire Resistance Directory. The wall shall include the following construction features:

A. **Steel Floor Runner** — Floor runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (item 2B). Floor runners to be provided with nom 1-1/4 in. (32 mm) flanges. Runners secured with steel fasteners spaced max 24 in. (610 mm) OC.

B. **Studs** — Min size as specified in the individual design. Studs cut 3/8 to 5/8 in. (10 to 16 mm) less in length than assembly height with bottom nesting in, resting on and fastened to floor runner with sheet metal screws. Stud spacing not to exceed 24 in. (610 mm) OC.

C. **Gypsum Board*** — Gypsum board installed to a min total thickness of 5/8 or 1-1/4 in. (16 or 32 mm) on each side of wall for a 1 or 2 hr rated wall, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory, except that a nom 1/4 in. (6 mm) gap shall be maintained between the bottom of gypsum board and top of concrete floor.
The hourly ratings of the joint system are equal to the hourly fire rating of the wall.

3. **Fill, Void or Cavity Material*** - **Sealant** — Max separation between top of floor and bottom of gypsum board is 5/8 in. (16 mm). Min 1/2 in. (13 mm) thickness of fill material installed on each side of the wall between the bottom of the gypsum board and the top of the concrete floor.
UNITED STATES GYPSUM CO — Type A or AS

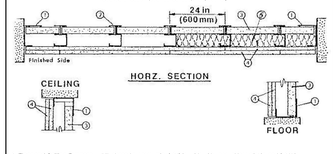
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2012-05-18

S1 UL U469
INTERIOR PARTITION DETAIL
12"=1'-0" A132-ULS1G-u469-SF (060424)

System No. BW-S-0020
June 21, 2023

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Items 2 and 3B)	F Ratings — 1 and 2 Hr (See Items 2 and 3B)
Nominal Joint Width - 1 In.	FT Ratings — 1 and 2 Hr (See Items 2 and 3B)
Class II Movement Capabilities – 25% Compression or Extension	FH Ratings — 1 and 2 Hr (See Items 2 and 3B)
L Rating At Ambient — Less Than 1 CFM/sq ft (See Item 3C)	FTH Ratings — 1 and 2 Hr (See Items 2 and 3B)
L Rating At 400 F — Less Than 1 CFM/sq ft (See Item 3C)	Nominal Joint Width - 25 mm
	Class II Movement Capabilities — 25% Compression or Extension
	L Rating At Ambient — Less Than 1.55 L/s/m in (See Item 3C)
	L Rating At 400 F — Less Than 1.55 L/s/m in (See Item 3C)



1. **Floor and Ceiling Runners** — "J" -shaped runners, min. 2-1/2 in. wide with unequal legs of 1 in. and 2-1/4 in., fabricated from min. 25 MSG galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not more than 2 in. from ends and not more than 24 in. OC.
RONDO BUILDING SERVICES PTY LTD — Type J Runner Track

1A. **Framing Members*** — **Floor and Ceiling** — Not shown — As an alternate to Item 1 — For use with Item 2A, proprietary "J"-shaped runners, galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not more than 2 in. from ends and not more than 24 in. OC.
RONDO BUILDING SERVICES PTY LTD — Type J Runner Track

1B. **Steel Framing Members (Floor, Side and Ceiling Runners)*** — As an alternate to Item 1, "J"-shaped runner, min 2-1/2 in. deep, with unequal legs of 1 in. and min 2-1/4 in. fabricated from min 25 MSG galv steel (0.0179 in. bare steel thickness). Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC. Runners may be supplied with securement tabs for steel stud system liner panels. Refer to Item 3.
SCAFCO STEEL STUD MANUFACTURING CO — I-Stud Shaftwall Steel Framing System

2. **Steel Studs** — "C" or "I" shaped studs 1-5/8 in. wide by min. 2-1/2 in. deep, fabricated from min. 25 MSG galv steel. Cut to lengths 3/4 in. less than floor to ceiling height and spaced 24 in. or 600 mm OC.

2A. **Framing Members*** — **Steel Studs** — As an alternate to Item 2 — Proprietary "C-H" shaped studs, galv steel. Cut to lengths 3/4 in. less than floor to ceiling height and spaced 24 in. or 600 mm OC.
RONDO BUILDING SERVICES PTY LTD — Type CH Stud

2B. **Steel Framing Members (Steel Studs)*** — As an alternate to Item 2. For use with Item 1B - "I"-shaped studs fabricated from min 25 MSG galv steel, min 2-1/2 in. deep, 1-1/2 in. wide. Studs cut to length 3/4 in. less than floor-to-ceiling height and spaced 24 in. OC. Cut to lengths 5/8 in. less than floor-to-ceiling height and spaced 24 in.
SCAFCO STEEL STUD MANUFACTURING CO — I-Stud Shaftwall Steel Framing System

3. **Gypsum Board*** — 1 in. thick gypsum wallboard liner panels, supplied in nom. 24 in. or 600 mm (for metric spacing) widths. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges of the panels inserted into "T" shaped section of C-T studs or the "H" section of the C-H studs. Free edge of end panels secured to long leg of J runner with tabs in runner or 1-5/8 in. long Type S self-tapping bugle head steel screws spaced not more than 12 in. OC. When J-shaped runners (Item 1B) are supplied with securement tabs, free edge of end panels may be secured by bending the securement tabs, max 12 in. OC, to a 90 degree angle against gypsum finish-fit panels into J-shaped runners.
AMERICAN GYPSUM CO — Types AG-S, M-Glass

CERTAINTEED GYPSUM INC — Types Shaftliner, EGRG Shaftliner, GlasRoc Shaftliner.

CERTAINTEED GYPSUM INC — Type LGFCSL

GEORGIA-PACIFIC GYPSUM L L C — Types TP-6, DGUSL, and TRSL

NATIONAL GYPSUM CO — Types FSW, FSW-B, FSW-7, FSW-9

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-10 and PG-10G

~~**SHAI GYPSUM PRODUCTS PCL** — Type Shaftliner~~

4. **Gypsum Board*** — 1/2 or 5/8 in. thick, 4 ft wide, applied in two layers. Base layer attached horizontally to studs and side 12" runners with 1 in. long Type S self-tapping steel screws starting at 2 in. from the floor and ceiling runners and spaced 24 in. OC along the vertical edges and in the field of the boards. Face layer installed vertically to studs and side "J" runners and attached with 1-5/8 in. long Type S self-tapping steel screws spaced 12 in. OC along the vertical edges and in the field of the boards. Face layer joints covered with paper tape and two coats of joint compound. Exposed screw heads covered with two coats of joint compound.

AMERICAN GYPSUM CO — Types AG-C

CABOT MANUFACTURING ULC — Type C

CERTAINTEED GYPSUM INC — Type C

CERTAINTEED GYPSUM INC — Types LGFC-C/A, LGFC6A

GEORGIA-PACIFIC GYPSUM L L C — Types DAPC, TG-C.

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSL, FSMR-C, FSW-3, FSW-8, FSW-C, FSW-G.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, 5/8 in. Type C.

~~**SHAI GYPSUM PRODUCTS PCL** — Type C~~

4A. **Gypsum Board*** — (As an alternate to Item 4) - Installed vertically only as described in item 4. 5/8 in. thick, 4 ft. wide, paper surfaced.
NATIONAL GYPSUM CO — Type SBWB

5. **Batts and Blankets*** — (optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt material bearing the UL Classification Marking as to Fire Resistance.

5A. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 5) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft3, in accordance with the application instructions supplied with the product.
Applegate Greenfiber Acquisition LLC — Insulmax and SANCTUARY for use with wet or dry application.

5B. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

5C. **Fiber, Sprayed*** — As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft3.
INTERNATIONAL CELLULOSE CORP — Cellbar-RL

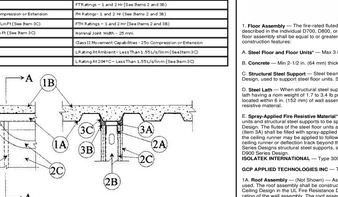
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2023-08-04

S2 UL U428
INTERIOR PARTITION DETAIL
12"=1'-0" A132-ULS1G-u428-SF (111423)

System No. HW-D-0029
June 21, 2023

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Items 2 and 3B)	F Ratings — 1 and 2 Hr (See Items 2 and 3B)
Nominal Joint Width - 1 In.	FT Ratings — 1 and 2 Hr (See Items 2 and 3B)
Class II Movement Capabilities – 0% Compression or Extension	FH Ratings — 1 and 2 Hr (See Items 2 and 3B)
L Rating At Ambient — Less Than 1 CFM/sq ft (See Item 3C)	FTH Ratings — 1 and 2 Hr (See Items 2 and 3B)
L Rating At 400 F — Less Than 1 CFM/sq ft (See Item 3C)	Nominal Joint Width - 25 mm
	Class II Movement Capabilities – 0% Compression or Extension
	L Rating At Ambient — Less Than 1.55 L/s/m in (See Item 3C)
	L Rating At 400 F — Less Than 1.55 L/s/m in (See Item 3C)



1. **Floor Assembly** — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Steel Floor And Form Units*** — Max 3 in. (76 mm) deep galv steel fluted floor deck .

A1. **Spray Applied Fire Resistive Material*** — (Optional, Not Shown) — Prior to the installation of the Defective Channel, Forming Material and Fill, Void or Cavity Materials (Items 3A and 3B), the steel floor units may be sprayed with a min 5/16 in. (8 mm) to max 11/16 in. (18 mm) thickness of fire-resistive material.
GCP APPLIED TECHNOLOGIES INC — Type MK-6/HY.

B. **Concrete** — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly** — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 or P800 Series Roof-Ceiling Design in the UL Fire Resistance Directory. **The hourly rating of the roof assembly shall be equal to or greater than the hourly fire rating of the wall assembly.** The roof assembly shall include the following construction features:

A. **Steel Roof Deck** — Max 3 in. (76 mm) deep galv steel fluted roof deck.

B. **Roof Insulation** — Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.

2. **Wall Assembly** — The 1 or 2 hr fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400- Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. **Steel Floor And Ceiling Runners** — Floor and ceiling runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs (item 2B). When deflection channel (item 3A) is used, ceiling runner to be provided with 3 in. (76 mm) flanges. Ceiling runner installed within the deflection channel with 1 in. (25 mm) gap maintained between the top of ceiling runner and top of deflection channel. When deflection channel is not used, flange height of ceiling runner shall be min 3/4 in. (19 mm) greater than max stud extended joint width and ceiling runner is secured to steel floor units (item 1A) with steel fasteners or welds spaced max 24 in. (610 mm) OC. Ceiling runner or deflection track to be installed parallel with structural steel support and located such that a max clearance of 3 in. (152 mm) is present between the finished wall and the spray-applied fire resistive material at the lowest elevation of the structural steel support.

A1. **Light Gauge Framing*** — **Slotted Ceiling Runner** — As an alternate to the ceiling runner in item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (item 2B). Slotted ceiling runner installed perpendicular to direction of steel deck, centered beneath valley, and secured with steel masonry anchors spaced max 24 in. (610 mm) OC. When slotted ceiling runner is used, deflection channel (item 3A) shall not be used. When optional spray-applied fire resistive material is used on steel deck, ceiling runner secured through spray-applied material to valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC.
CEMCO, LLC — CST

CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-H

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT

METAL-LITE INC — The System

RAM SALES L L C — RAM Slotted Track

SCAFCO STEEL STUD MANUFACTURING CO

STEELER INC — Steeler Slotted Ceiling Runner

TELLING INDUSTRIES L L C — True-Action Deflection Track

A2. **Light Gauge Framing** — **Floor and Ceiling Runners** — As an alternate to the ceiling and floor runners in Item 2A, Item 2A1, and 2A2, floor and ceiling runners to consist of galv steel channel sized to accommodate the **Light Gauge Framing* Slotted Stud** (Item 2B1) or **Light Gauge Framing* Slider C-Clip System** (Item 2B2). Floor and ceiling runners to be provided with min 1-1/4 in. and 3 in. (32 and 76 mm) flanges. When deflection channel system is **designed to accommodate a max 12.5 or 50 percent compression or extension from its installed width as measured between the bottom plane of the spray-applied fire resistive material on the steel floor unit and the top of the gypsum board**, floor runner installed parallel to direction of steel deck, centered beneath valley, and secured with steel masonry anchors spaced max 12 in. (305 mm) OC. When ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional spray-applied fire resistive material is used on steel deck, ceiling runner secured through spray-applied material to valley of the steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC.
STEELER INC — Floor and Ceiling Runners

A3. **Light Gauge Framing* — Notched Ceiling Runner** — As an alternate to the ceiling runners in Items 2A through 2A3, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed parallel to direction of steel centered on valley, and secured with steel masonry anchors spaced max 24 in. (610 mm) OC. When notched ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional spray-applied fire resistive material is used on steel deck, ceiling runner secured through spray-applied material to valley of deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC.
CLIMAX SUPPLY INC — Type SCR

A4. **Light Gauge Framing*** — **Floor and Ceiling Runners** — As an alternate to the ceiling and floor runners in Item 2A, through 2A4, floor and ceiling runners to consist of galv steel channel sized to accommodate the **Light Gauge Framing* Steel Studs** (Item 2B). Floor and ceiling runners to be provided with min 1-1/4 in. and 3 in. (32 and 76 mm) flanges. When deflection channel (Item 3A) is used, the ceiling runner is to be secured to the deflection channel with the spray-applied fire resistive material in the flutes above the wall where the contour of the steel deck, sections of mineral wool batt cut to the shape of the fluted deck and stacked to a min 6 in. (152 mm) thickness shall be installed in the flutes of the steel floor units. Additional sections of mineral wool batt insulation are compressed 50 percent in thickness and are installed cut edge first to completely fill the gap above the top of the gypsum board. Additional sections of mineral wool batt insulation is to be installed flush with the gypsum board surface on the side of the wall opposite the structural steel support. Additional sections of mineral wool batt insulation are compressed 50 percent in thickness and are installed cut edge first to completely fill the gap above the top of the gypsum board.
INDUSTRIAL INSULATION GROUP L L C — MinWool-1200 Safing

JOHNS MANVILLE — Safing

ROCK WOOL MANUFACTURING CO — Delta Board

~~**ROCKWOOL MALAYSIA SDN BHD** — Safe~~

ROCKWOOL — SAFE

THERMAFIBER INC — Type SAF

C. **Fill, Void or Cavity Material*** — **Sealant** — Min 1/8 in. (3.2 mm) wet thickness (min 1/16 in. or 1.6 mm dry thickness) of fill material spray applied over the forming material on each side of the wall. Fill material to overlap a min of 1/2 in. (13 mm) onto the gypsum board and a min 2 in. (51 mm) onto the spray applied material (Item 1E or 1A6) on the steel floor unit or on the structural steel support member on each side of the wall. Overlap onto the steel floor or roof units may be decreased to 1/2 in. (13 mm) when spray applied material is omitted.
SPECIFIED TECHNOLOGIES INC — SpecSeal AS200 Elastomeric Spray

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

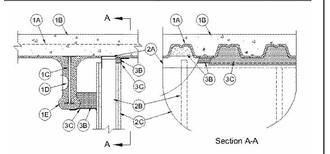
Last Updated on 2023-06-27

H1D SPHW UL HW-D-0020/0029
HEAD OF WALL DETAIL
1:1 A132-H1g-d0020 (111423)

NOTE: SEE DETAILS PH/UP1 OR PH/UP2 AND H1E/SFSD.

System No. HW-D-0377
June 27, 2023

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Item 2)	F Ratings — 1 and 2 Hr (See Item 2)
Nominal Joint Width - 1-1/2 In.	FT Ratings — 1 and 2 Hr (See Item 2)
Class II Movement Capabilities - 12 5% or 50% Compression or Extension (See Item 3)	FH Ratings — 1 and 2 Hr (See Item 2)
L Rating At Ambient — Less Than 1 CFM/sq ft	FTH Ratings — 1 and 2 Hr (See Item 2)
L Rating At 400 F — Less Than 1 CFM/sq ft	Nominal Joint Width - 1-1/2 In.
	Class II Movement Capabilities - 12 5% or 50% Compression or Extension (See Item 3)
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — Less Than 1 CFM/sq ft



1. **Floor Assembly** — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700, D800, or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory. The hourly fire rating of the floor assembly shall be equal to or greater than the hourly fire rating of the wall assembly. The floor assembly shall include the following construction features:

A. **Steel Floor and Floor Units*** — Max 3 in. (76 mm) deep galv steel fluted floor units.

B. **Concrete** — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

C. **Structural Steel Support** — Steel beam or open-web steel joist, as specified in the individual D700, D800, or D900 Series Floor-Ceiling Design, used to support steel floor units. Structural steel support oriented parallel to and 1 to 6 in. (25 to 152 mm) from wall assembly.

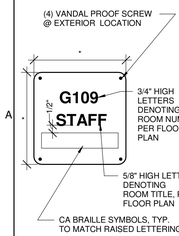
D. **Steel Lath** — When structural steel support (Item 1C) consists of open-web steel joists, 3/8 in. (10 mm) diamond mesh expanded steel lath having a nom weight of 1.7 to 3.4 lb per sq yd (0.9 to 1.8 kg/m2) shall be supported to completely cover each steel joist which is located within 6 in. (152 mm) of wall assembly. The lath shall be secured with steel tie wire and shall be fully covered with spray applied fire resistive material.

E. **Spray-Applied Fire Resistive Material*** — After installation of the ceiling runner (Item 2A) or deflection track (Item 3A, if used), steel floor units and structural steel supports to be sprayed in accordance with the specifications in the individual D700 Series Design or the structural steel supports to be sprayed in accordance with the specifications in the individual D900 Series Design. When open-web steel joists pass through the fire rated wall, 3/8 in. (10 mm) diamond mesh expanded steel lath having a nom weight of 1.7 to 3.4 lb per sq yd (0.9-1.8 kg/m2) shall be secured to one side of each joist with steel tie wire and the lath shall be fully covered with spray applied fire resistive material with a min thickness requirement.
ISOLATEK INTERNATIONAL — Type 300 or Type II

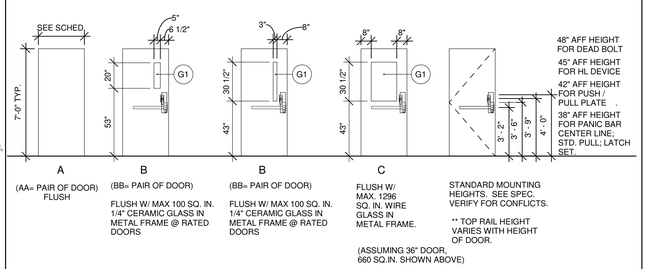
GCP APPLIED TECHNOLOGIES INC — Type MK-6/HY, MK-6/HYES, MK-65 and RG.

1A. **Roof Assembly** — (Not Shown) — As an alternate to the floor assembly (Item 1), a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P700 or P800 Series Roof-Ceiling Design in the UL Fire Resistance Directory. **The hourly rating of the roof assembly shall be equal to or greater than the hourly fire rating of the wall assembly.** The

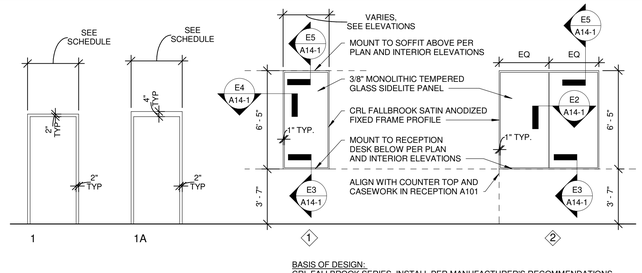
NOTE:
* SEE SPECIFICATION SECTION 10 14 23 FOR SIGNAGE DIMENSIONS.



G2 ROOM SIGNAGE
3"=1'-0" A14-G2 (041724)

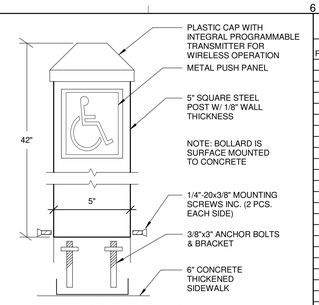


A1 DOOR ELEVATIONS
1/4"=1'-0" A14DOOR (041724)



BASIS OF DESIGN:
CRL FALLBROOK SERIES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

A4 DOOR AND INTERIOR WINDOW FRAME ELEVATIONS
1/4"=1'-0" A14FRAME (041724)



A5 HANDICAPPED PUSH PANEL - BOLLARD DETAIL
3"=1'-0" AS3-008 (030415)

FIRST FLOOR DOOR SCHEDULE

ROOM #	ROOM NAME	MARK	LABEL	ELEV.	MAT./FIN	WIDTH	FRM. ELEV.	HEAD	JAMB	SILL	REMARKS
		A	--	A	SW/P	3' - 0"	1	H1	J1	--	2
A100	WAITING	A	--	*	*	6' - 0"	*	*	*	*	4
A107	TOILET	A	--	A	SW/P	3' - 0"	1	H1	J1	--	1,2
A108	E/S	A	--	A	SW/P	3' - 0"	1	H1	J1	--	1,2
A109	SOIL LINEN	B	45	A	HM/P	3' - 0"	1A	H2C	J2C	--	1,2,9
A109	SOIL LINEN	A	45	A	SW/P	4' - 0"	1	H1	J1	--	1,2,9
A110	I.T. CLOSET	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2
A111	ELEC.	A	--	A	HM/P	3' - 8"	1A	H2	J2	S4B2	2,8,11
A112	POOL	A	--	*	*	6' - 0"	*	*	*	*	4
A112	POOL	B	--	*	*	3' - 0"	*	*	*	*	4
A113B	VESTIBULE	A	--	A	HM/P	3' - 0"	1	H1A	J1A	S5	1,2,10
A114B	VESTIBULE	A	--	A	HM/P	3' - 0"	1	H1A	J1A	S5	1,2,10
A115	POOL EQUIP.	A	--	AA	HM/P	3' - 0"	1A	H2B	J2B	S4B2	2,6,7,11
A115	POOL EQUIP.	B	--	A	HM/P	3' - 0"	1A	H2A	J2A	--	1,2,10
A116	STORAGE	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2
A117	CLEAN LINEN	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2,9
A119	BREAKROOM	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2,9
A120	TOILET	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2
A121	OFFICE	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2
A122	SPEECH THERAPY	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2
A123	OFFICE	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2
A124	OFFICE	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2
A125	OFFICE	A	--	A	SW/P	3' - 0"	1	H1	J1	--	2
A127	WATER HEATER	A	--	AA	HM/P	3' - 0"	1A	H2B	J2B	--	4,11
P001	PASSAGE	A	--	A	HM/P	3' - 8"	1A	H2	J2	S4B2	2,9,11
V001	VESTIBULE	A	--	AA	HM/P	3' - 0"	1	H1	J1	--	2,7,9,10
V002	VESTIBULE	A		BB	HM/P	3' - 0"	1	H1B	J1B	S4B2	9,11

DOOR SCHEDULE REMARKS

1. UNDERCUT DOOR 3/4".
2. DELAYED ACTION CLOSER.
3. AUTOMATIC DOOR OPERATOR.
4. FOR FRAME ELEVATION, HEAD, JAMB, AND SILL SEE DWG. A15-1.
5. NOT USED.
6. DOOR SHALL HAVE SOUND/ LIGHT SEAL GASKETS ALL AROUND. SEE HARDWARE SPECIFICATION SECTION 087100.
7. DOOR TO HAVE ASTRAGAL SEE DETAIL E1/A14-1.
8. DOOR TO HAVE PANIC HARDWARE.
9. CARD READER.
10. DOOR FRAME AND DOOR PAINT SHALL MATCH INTERIOR SOLID CORE WOOD DOOR PAINT AND FRAME PAINT.
11. HM DOOR FRAME AND DOOR PAINT SHALL MATCH EXTERIOR PAINT COLOR ON THE EXTERIOR, AND MATCH INTERIOR DOOR AND FRAME PAINT COLOR ON THE INTERIOR.

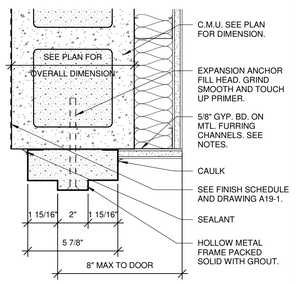
DOOR SCHEDULE LEGEND

FIELD	DEFINITION
ROOM #	NUMBER OF ROOM DOOR IS ASSOCIATED WITH; SEE "DOOR SYMBOL ASSOCIATION"
ROOM NAME	NAME OF ROOM DOOR IS ASSOCIATED WITH; SEE "DOOR SYMBOL ASSOCIATION"
MARK	IDENTIFICATION OF SPECIFIC DOOR WITHIN A ROOM. DOORS MARKED 'E' ARE EXISTING.
LABEL	REQUIRED FIRE RESISTANCE LABEL FOR DOOR AND FRAME ASSEMBLY
ELEV.	ELEVATION; SEE "DOOR ELEVATIONS"
MAT./FINISH	MATERIAL AND FINISH; SEE BELOW FOR ABBREVIATIONS
WIDTH	WIDTH OF DOOR IN FEET AND INCHES
FRAME ELEV.	FRAME ELEVATION; SEE "DOOR AND HOLLOW METAL WINDOW ELEVATIONS"
HEAD	REFER TO INDICATED HEAD DETAIL
JAMB	REFER TO INDICATED JAMB DETAIL
SILL	REFER TO INDICATED SILL DETAIL
REMARKS	REFER TO REMARKS LEGEND
*	SEE REMARKS

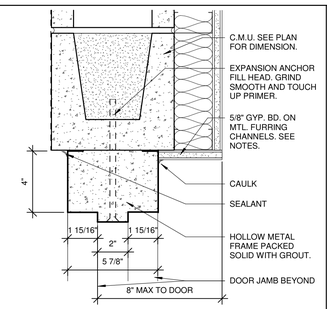
LABEL	DEFINITION
3	3 HOUR RATED ASSEMBLY (180 MINUTE)
90	90 MINUTE RATED ASSEMBLY. 450° MAX. TEMP. RISE ON ALL DOORS IN STAIRS AND EXIT PASSAGEWAYS
60	60 MIN. RATED ASSEMBLY. 450° MAX. TEMP. RISE ON ALL DOORS IN STAIRS AND EXIT PASSAGEWAYS
45	45 MINUTE RATED ASSEMBLY
20	20 MINUTE RATED ASSEMBLY
20C	20 MINUTE CERTIFIED FIRE DOOR AND FRAME FOR ACROSS CORRIDOR SMOKE DOORS, PATIENT ROOM DOORS AND EMERGENCY RELEASE DOORS

MATERIALS	DEFINITION
AL	ALUMINUM
CL	CHAIN LINK
HM	HOLLOW METAL
HW	HOLLOW CORE WOOD
PW	PANEL WOOD
SW	SOLID CORE WOOD
X	EXISTING

FINISH	DEFINITION
A	ANODIZED ALUMINUM
C	CLEAR SEALED
K	SPECIAL COATING; SEE REMARKS
L	PLASTIC LAMINATE
P	PAINT, SEE MISCELLANEOUS MATERIALS LEGEND
S	STAINED AND SEALED
X	EXISTING



J2C JAMB DETAIL
3" = 1'-0"



H2C HEAD DETAIL
3" = 1'-0"

NOTES:
NFPA 101:
7.10.1.3 EXIT DOOR TACTILE SIGNAGE - TACTILE SIGNAGE SHALL BE PROVIDED TO MEET ALL OF THE FOLLOWING CRITERIA, UNLESS OTHERWISE PROVIDED IN **7.10.1.4**:
(1) TACTILE SIGNAGE SHALL BE LOCATED AT EACH EXIT DOOR REQUIRING AN EXIT SIGN.
(2) TACTILE SIGNAGE SHALL READ AS FOLLOWS: **EXIT**.
(3) TACTILE SIGNAGE SHALL COMPLY WITH **ICC/ANSI A117.1**, *AMERICAN NATIONAL STANDARD FOR ACCESSIBLE AND USABLE BUILDING AND FACILITIES.*

FBC 2020 - ACCESSIBILITY - CHAPTER 2
216.4.1 EXIT DOORS - DOORS AT EXIT PASSAGEWAYS, EXIT DISCHARGE, AND EXIT STAIRWAYS SHALL BE IDENTIFIED BY *TACTILE* SIGNS COMPLYING WITH **703.1, 703.2**, AND **703.5**.

FBC 2020 - ACCESSIBILITY - CHAPTER 7
1. SIGNAGE IS NOT IN CONTRACT, HOWEVER MUST BE PROVIDED PRIOR TO OCCUPANCT. SIGNAGE MUST MEET THE MIN. REQUIRMENTS. NOT HERE AND IN THE FAC **SECT. 703**.

703.2.3 STYLE - CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

703.2.4 CHARACTER WIDTH - THE UPPERCASE LETTER "O" SHALL BE USED TO DETERMINE THE ALLOWABLE WIDTH OF ALL CHARACTERS OF A FONT. THE WIDTH OF THE UPPERCASE LETTER "O" OF THE FONT SHALL BE 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE "I" OF THE FONT. SEE **TABLE 703.2.4**.

703.2.5 CHARACTER HEIGHT - THE UPPER LETTER "I" SHALL BE USED TO DETERMINE THE ALLOWABLE HEIGHT OF ALL CHARACTERS OF A FONT. THE UPPERCASE LETTER "I" OF THE FONT SHALL HAVE A MINIMUM HEIGHT COMPLYING WITH TABLE **703.2.4**. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPOARCH TOWARDS THE SIGN.

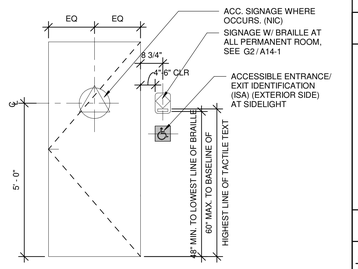
703.3 BRAILLE - SHALL COMPLY WITH **703.3** AND **703.4**.

703.4.1 MOUNTING HEIGHT - BRAILLE SHALL BE 48 INCHES MINIMUM AND 60 INCHES MAXIMUM ABOVE THE FLOOR, MEASURED TO THE BASELINE OF THE BRAILLE CELLS.

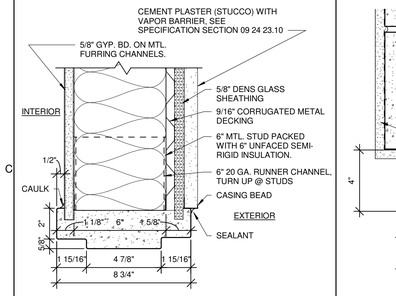
703.5.1 FINISH AND CONTRAST - CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NONGLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND, OR DARK CHARACTERS ON A LIGHT BACKGROUND.

703.6 PICTOGRAMS

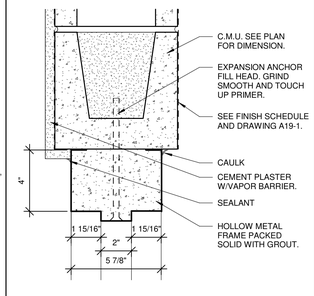
703.6.1 PICTROGRAM FIELD - PICTOGRAMS SHALL HAVE A FIELD 6 INCHES MINIMUM IN HEIGHT. CHARACTERS OR BRAIL SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD.



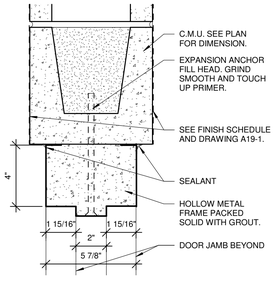
G4 ACCESS - DOOR SIGNAGE
1/2" = 1'-0"



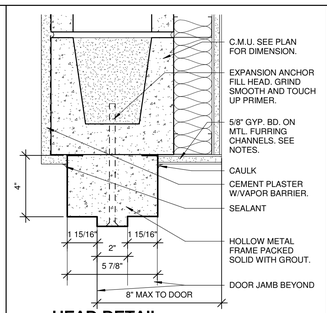
H1B DOOR HEAD
3"=1'-0" A14-H1B (022825)



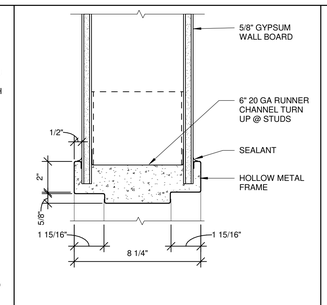
H2B HEAD DETAIL
3" = 1'-0"



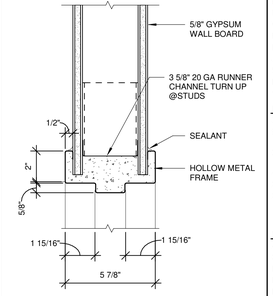
H2A HEAD DETAIL
3" = 1'-0"



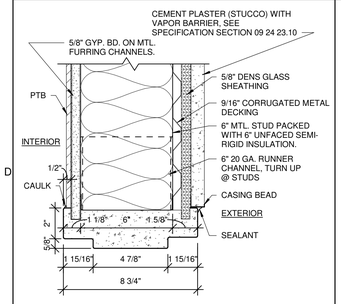
H2 HEAD DETAIL
3" = 1'-0"



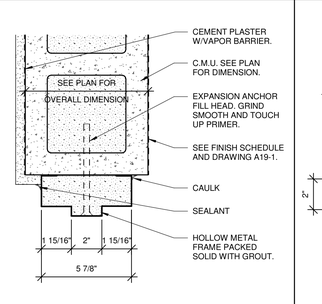
H1A DOOR HEAD
3"=1'-0" A14-H1A (020717)



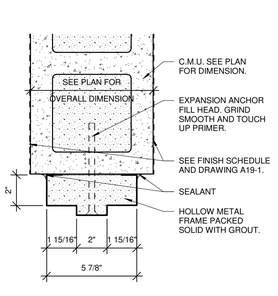
H1 DOOR HEAD
3"=1'-0" A14-H1 (022717)



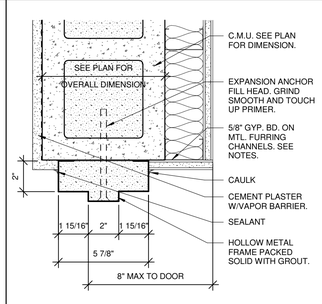
J1B DOOR JAMB
3"=1'-0" A14-J1B (022825)



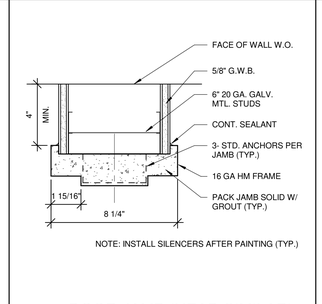
J2B JAMB DETAIL
3" = 1'-0"



J2A JAMB DETAIL
3" = 1'-0"

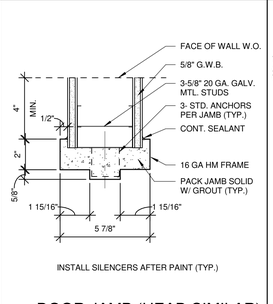


J2 JAMB DETAIL
3" = 1'-0"



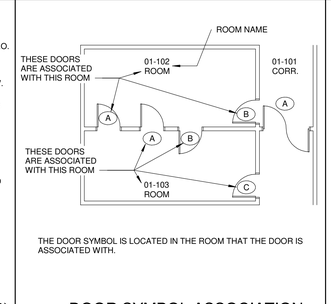
NOTE: INSTALL SILENCERS AFTER PAINTING (TYP.)

J1A DOOR JAMB (HEAD SIMILAR)
3"=1'-0" A14-J1A (121114)



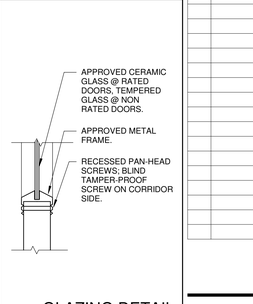
INSTALL SILENCERS AFTER PAINT (TYP.)

J1 DOOR JAMB (HEAD SIMILAR)
3"=1'-0" A14-J1 (020717)

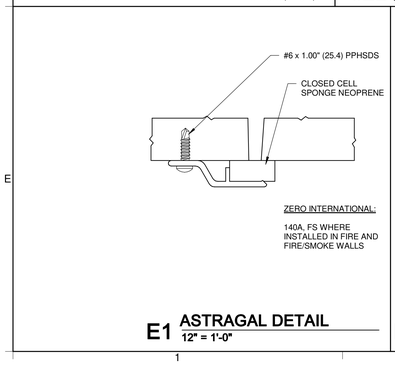


THE DOOR SYMBOL IS LOCATED IN THE ROOM THAT THE DOOR IS ASSOCIATED WITH.

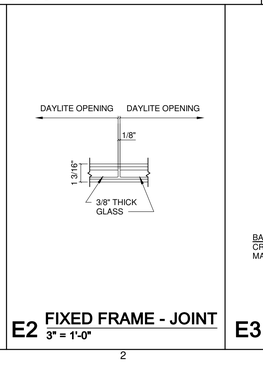
D7 DOOR SYMBOL ASSOCIATION
1/4"=1'-0" A14ASSOC (121114)



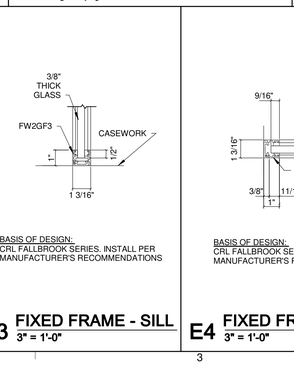
G1 GLAZING DETAIL
3"=1'-0" A14-G1 (121114)



E1 ASTRAGAL DETAIL
12" = 1'-0"

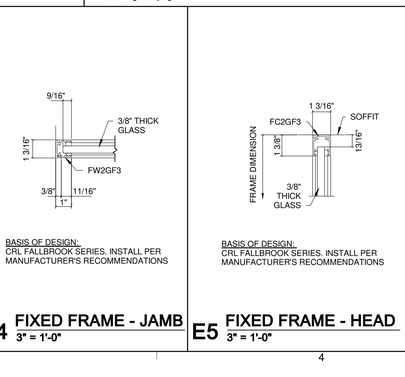


E2 FIXED FRAME - JOINT
3" = 1'-0"



BASIS OF DESIGN:
CRL FALLBROOK SERIES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

E3 FIXED FRAME - SILL
3" = 1'-0"

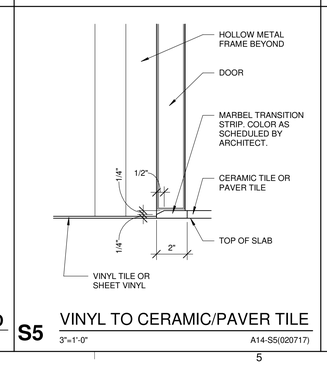


BASIS OF DESIGN:
CRL FALLBROOK SERIES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

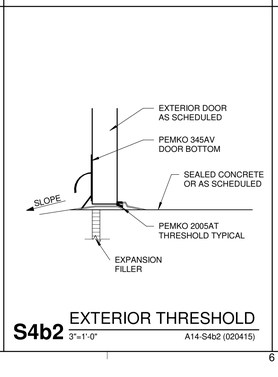
E4 FIXED FRAME - JAMB
3" = 1'-0"

BASIS OF DESIGN:
CRL FALLBROOK SERIES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

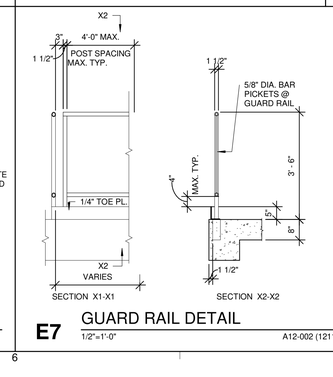
E5 FIXED FRAME - HEAD
3" = 1'-0"



S5 VINYL TO CERAMIC/PAVER TILE
3"=1'-0" A14-S5(020717)



S4b2 EXTERIOR THRESHOLD
3"=1'-0" A14-S4b2 (020415)



SECTION X1-X1 SECTION X2-X2 PLAN VIEW

E7 GUARD RAIL DETAIL
1/2"=1'-0" A12-002 (121114)

Project Architect:

MBA

Mason Blau & Associates
4625 E Bay Drive, #228,
Clearwater, FL 33764
AR0013034
T: 727.530.0570

Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

DOOR SCHEDULE, ELEVATIONS, DETAILS, NOTES

Drawing Number:

A14-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

9:25:2025 1:20:23 PM
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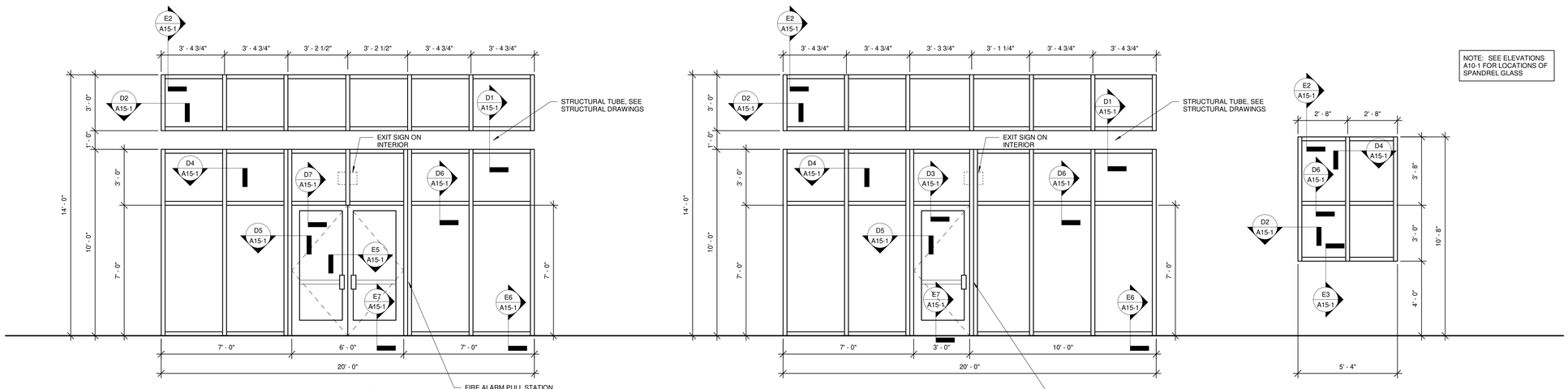


A STOREFRONT WINDOW ELEVATION
YKK MODEL: (YHS 50 TU)
FPA 14218.17

WHITE OBSCURE FILM
@ A112 POOL

STOREFRONT DOOR
YKK MODEL: (35H)
FPA 16554.1

DOOR: A100A
2 - CONTINUOUS HINGE
2 - VON DUPRIN 9847 CVR (PANIC)
2 - RIM CYLINDER (COORDINATE WITH DOOR HARDWARE)
2 - STANDARD OFFSET PULLS
1 - ADA AUTOMATIC DOOR OPERATOR (COORDINATE WITH DOOR HARDWARE)
1 - CONCEALED CLOSER
SHALL HAVE FREE EGRESS AT ALL TIMES.

DOOR: A112A
2 - CONTINUOUS HINGE
2 - VON DUPRIN 9847 CVR (PANIC)
2 - RIM CYLINDER (COORDINATE WITH DOOR HARDWARE)
2 - STANDARD OFFSET PULLS
1 - CONCEALED CLOSER
SHALL HAVE FREE EGRESS AT ALL TIMES.

B STOREFRONT WINDOW ELEVATION
YKK MODEL: (YHS 50 TU)
FPA 14218.17

WHITE OBSCURE FILM
@ A112 POOL

STOREFRONT DOOR
YKK MODEL: (35H)
FPA 16554 R12

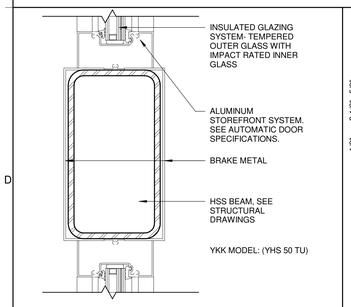
STOREFRONT DOOR
YKK MODEL: (35H)
FPA 16554.1

DOOR: A112B
1 - CONTINUOUS HINGE
1 - VON DUPRIN 9847 CVR (PANIC)
1 - RIM CYLINDER (COORDINATE WITH HARDWARE)
1 - STANDARD OFFSET PULLS
1 - SURF. AUTO OPERATOR (COORDINATE WITH HARDWARE)
SHALL HAVE FREE EGRESS AT ALL TIMES.

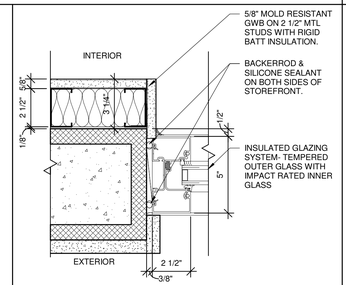
C STOREFRONT WINDOW ELEVATION
YKK MODEL: (YHS 50 TU)
FPA 14218.17

NOTE: SEE ELEVATIONS A10-1 FOR LOCATIONS OF SPANDREL GLASS

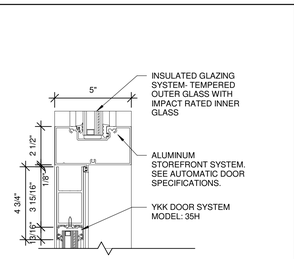
B2 STOREFRONT ELEVATIONS
3/8" = 1'-0"



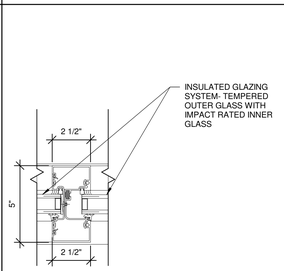
D1 STOREFRONT AT HSS BEAM
3" = 1'-0" — YKK MODEL: (YHS 50 TU)



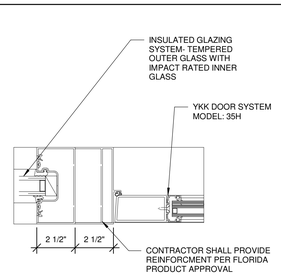
D2 STOREFRONT JAMB DETAIL
3" = 1'-0" — YKK MODEL: (YHS 50 TU)



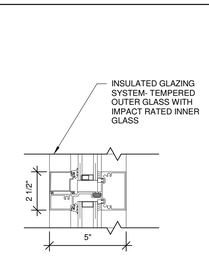
D3 STOREFRONT DOOR HEAD
3" = 1'-0" — YKK MODEL: (YHS 50 TU)



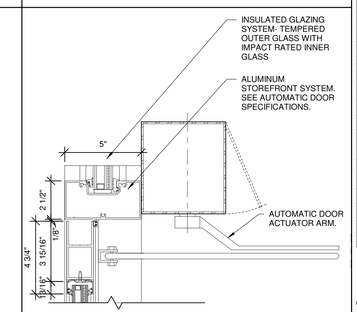
D4 STOREFRONT TYP. VERT. MULLION
3" = 1'-0" — YKK MODEL: (YHS 50 TU)



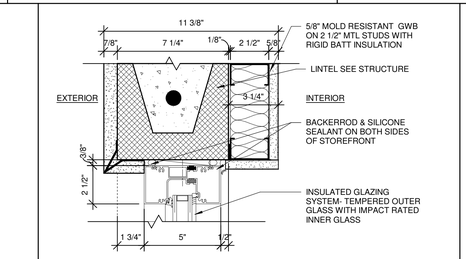
D5 STOREFRONT DOOR JAMB
3" = 1'-0" — YKK MODEL: (YHS 50 TU)



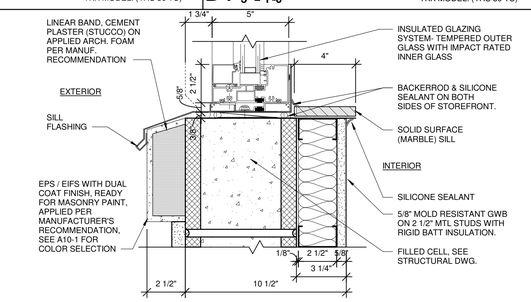
D6 STOREFRONT TYP. HORIZ. MULLION
3" = 1'-0" — YKK MODEL: (YHS 50 TU)



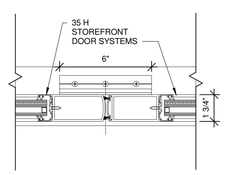
D7 STOREFRONT WINDOW/DOOR HEAD
3" = 1'-0" — YKK MODEL: (YHS 50 TU)



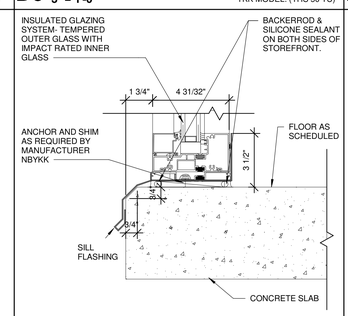
E2 EXTERIOR STOREFRONT HEAD
3" = 1'-0" — BWS = 150 MPH (Vult)



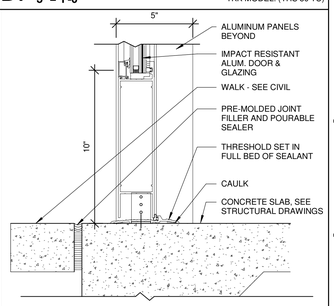
E3 EXTERIOR STOREFRONT WINDOW DETAIL
3" = 1'-0" — BWS = 150 MPH (Vult)



E5 DOUBLE DOOR DETAIL
3" = 1'-0" — YKK MODEL: (35 H)



E6 STOREFRONT SILL ON SLAB
3" = 1'-0" — YKK MODEL: YHS 50 TU



E7 STOREFRONT DOOR AT FLOOR
3" = 1'-0" — (YKK 35H)

Project Architect:

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Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011

Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

STOREFRONT ELEVATIONS, DETAILS, NOTES

Drawing Number:

A15-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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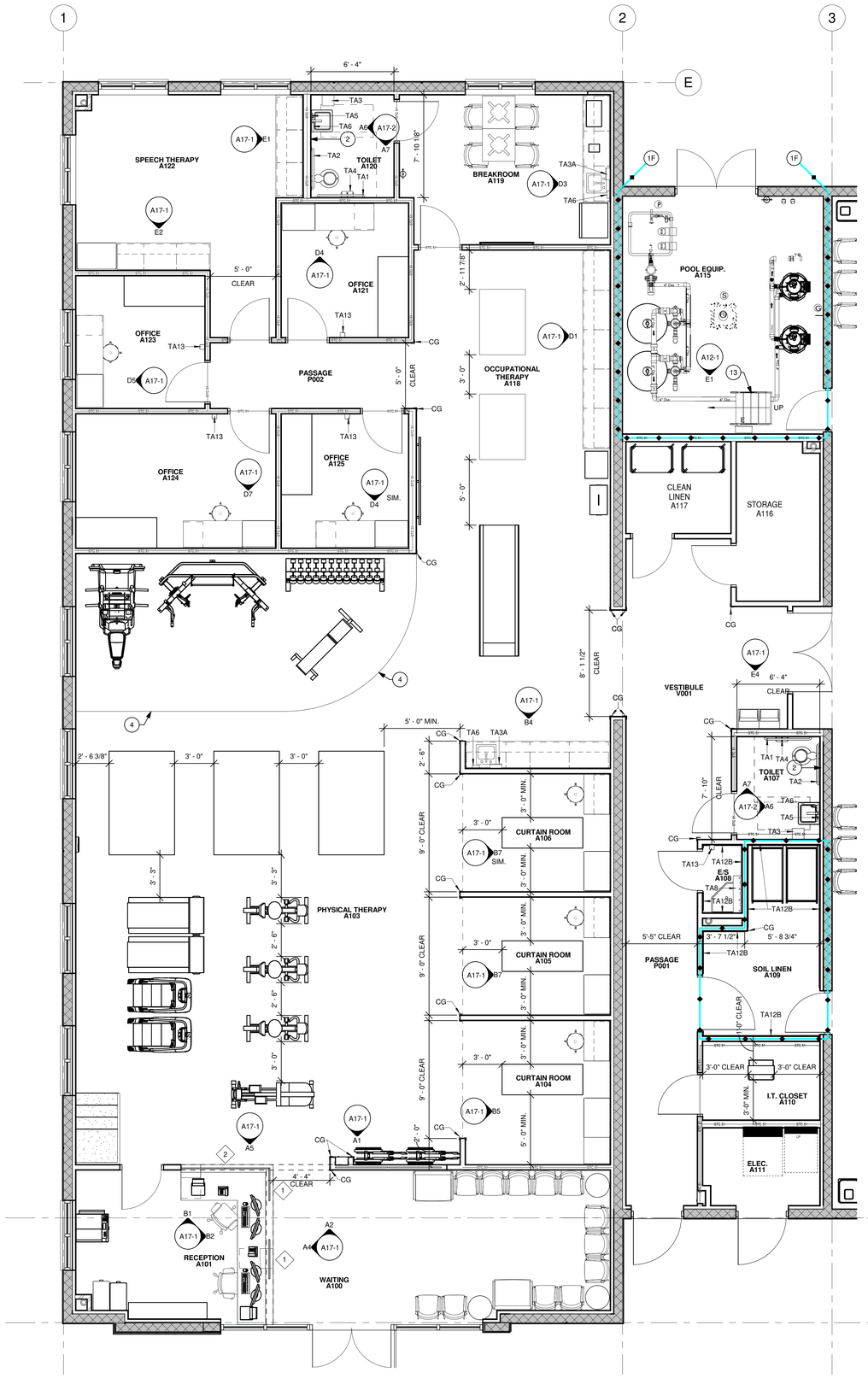
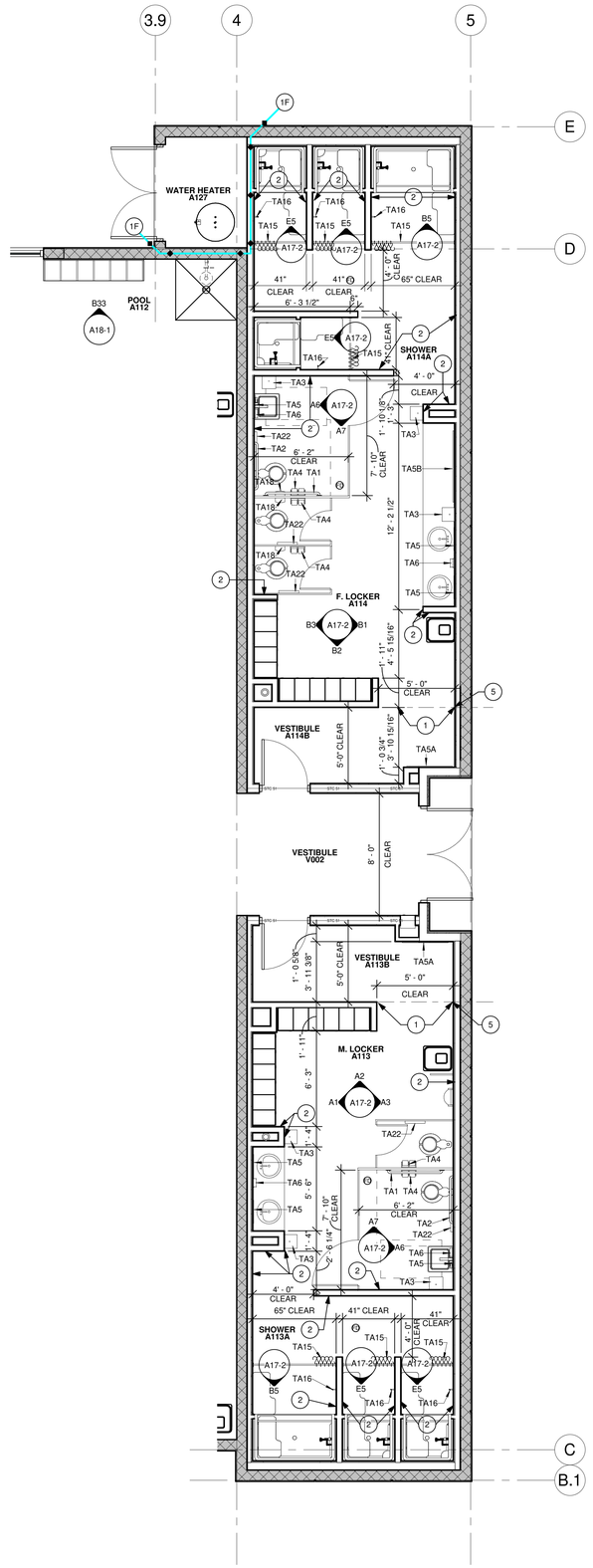


A ENLARGED PHYSICAL THERAPY PLAN
1/4" = 1'-0"



B ENLARGED LOCKER PLAN
1/4" = 1'-0"

KEY NOTES

1. ALIGN BULL NOSE TILE (RC-5BN) WITH CORNER OF WALL.
2. TILE RC-5 FROM FLOOR TO CEILING THIS WALL.
3. SHIPS LADDER. COORDINATE POOL EQUIPMENT AND PIPING WITH WITH LADDER LOCATION.
4. LEVEL SLAB SO THAT FINISHES ARE LEVEL, SEE DRAWING A19-1.
5. TILE STOPS.

TOILET ACCESSORY...

MARK	DESCRIPTION	MFR. NUMBER	MOUNT HEIGHT	MOUNT TYPE	REMARKS
CG	CORNER GUARD	VA SERIES	--	SURF	6
TA1	42" GRAB BAR	B6806.99	34" C.L.	SURF	1
TA2	36" GRAB BAR	B6806.99	36" C.L.	SURF	1
TA3	PAPER TOWEL DISP.	B262	40" B	SURF	1,2,3,4
TA3A	PAPER TOWEL DISP.	*	--	SURF	1,2,3,4
TA4	TOILET PAPER DISP.	B6867	19" C.L.	SURF	1,3,8
TA5	MIRROR	B2908-24x36	40"	SURF	5
TA5A	MIRROR	36x72	6" B	SURF	5
TA5B	MIRROR	56x36	40"	SURF	5
TA6	SOAP DISP.	*	40" B	SURF	1,2,4
TA8	MOP & BROOM RACK	B239-34	72" T	SURF	1
TA12B	FRP	--	--	SURF	3,9
TA13	HAND SANTIZER DISP.	*	40" B	SURF	1,2,4
TA15	SHOWER CURTAIN ROD	B6107	72" T	SURF	1,7
TA16	ROBE HOOK	B2116	48" T	SURF	1
TA18	NAPKIN DISPOSAL	B-270	25" T	SURF	1,3,4,6
TA22	SEAT COVER DISPENSER	B221	--	SURF	--

TOILET ACCESSORY REMARKS

1. PROVIDE 20 GAUGE GALVANIZED STUDS AS BACK-UP FOR MOUNTING ACCESSORIES. WHERE ANCHORAGE OCCURS BETWEEN STUDS, PROVIDE A 20 GAUGE RUNNER CHANNEL BETWEEN 20 GAUGE VERTICAL STUDS. RUNNER CHANNEL FLANGES SHALL BE CUT AND BENT TO CLEAR STUDS AND THEN SECURED TO STUDS.
2. HEIGHT VARIES. SEE ELEVATIONS.
3. SEAL ALL AROUND WITH CLEAR SEALANT.
4. LOCATION SHALL BE AS APPROVED BY OWNER AND RECOMMENDED BY THE MANUFACTURER AND SHALL MEET A.D.A. REQUIREMENTS.
5. HEIGHT IS TO BOTTOM OF REFLECTIVE SURFACE.
6. SEE DETAILS ON DRAWING A13-1.
7. FULL LENGTH FROM WALL TO WALL UNLESS NOTED OTHERWISE.
8. WITH THEFT RESISTANT SPINDLE.
9. SEE ELEVATIONS FOR MOUNTING HEIGHTS.

MANUFACTURERS

*	ITEM SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR
A	AMERICAN SPECIALTIES, INC.
B	BOBRICK WASHROOM EQUIPMENT, INC.
C	CONSTRUCTION SPECIALTIES, INC.
C/S	C/S GROUP
GP	GEORGIA-PACIFIC

MOUNTING HEIGHT

T	TOP
B	AT DISPENSOR OF PRODUCT
C.L.	CENTER LINE

Project Architect:

MBA

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Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:

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Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

1/4" SCALE FLOOR PLANS

Drawing Number:

A16-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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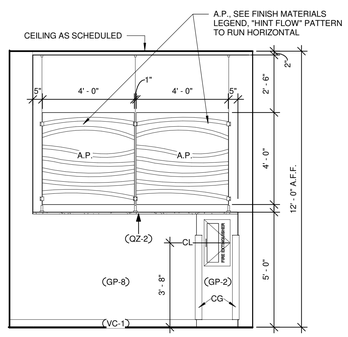
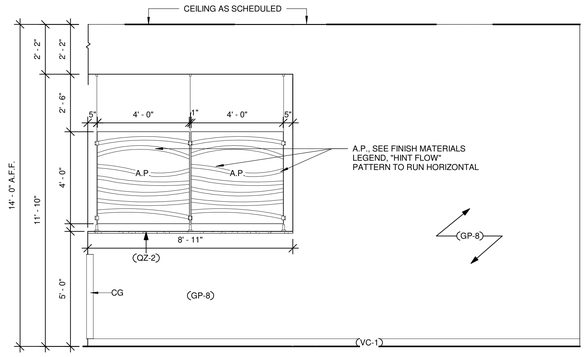
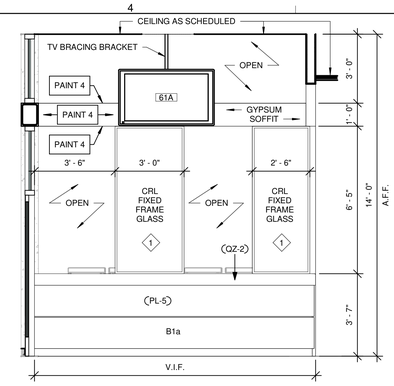


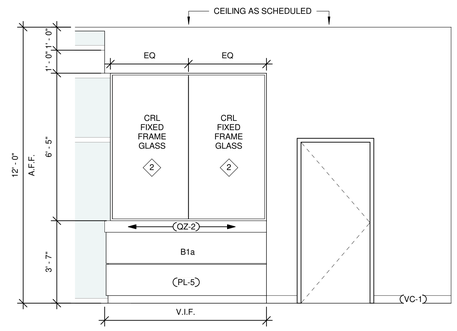
A1 A100 - 3-FORM WALL (SOUTH)
3/8" = 1'-0"



A2 A100 - 3-FORM WALL (NORTH)
3/8" = 1'-0"



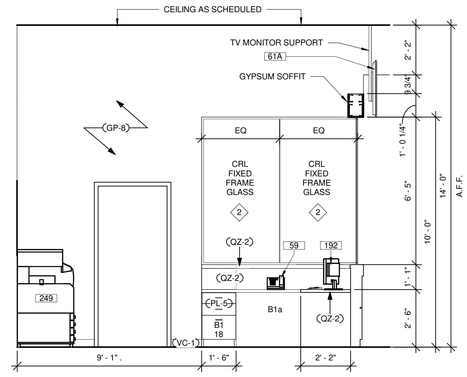
A4 A101 - RECEPTION DESK (FRONT)
3/8" = 1'-0"



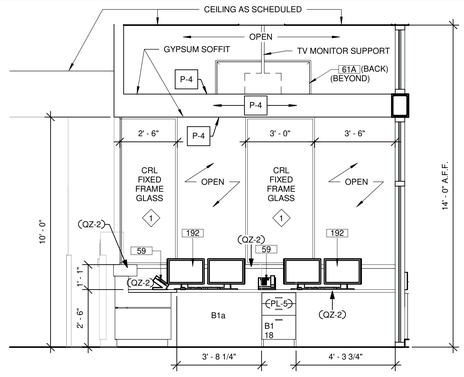
A5 A101 - RECEPTION DESK (SIDE)
3/8" = 1'-0"

INT. ELEVATION KEY NOTES

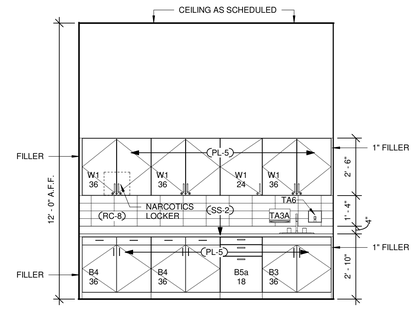
1. E.W.C. SHALL MEET ADA REQUIREMENTS.
2. ALL LOWER AND UPPER CASEWORK SHALL HAVE LOCKS.
3. ALL GROMMET LOCATIONS IS TO BE VERIFY WITH THE OWNER, SEE DETAIL B6/A18-1.



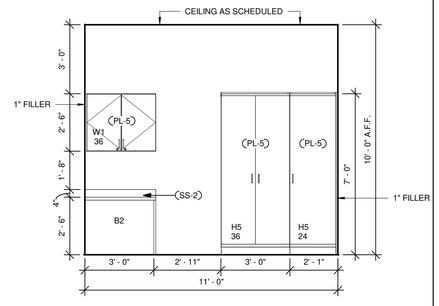
B1 A101 - RECEPTION DESK (NORTH)
3/8" = 1'-0"



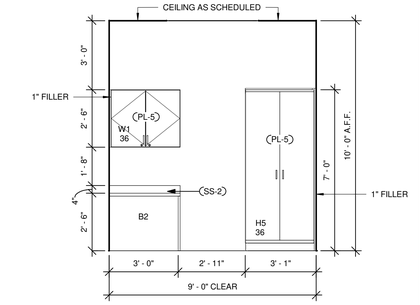
B2 A101 - RECEPTION DESK (EAST)
3/8" = 1'-0"



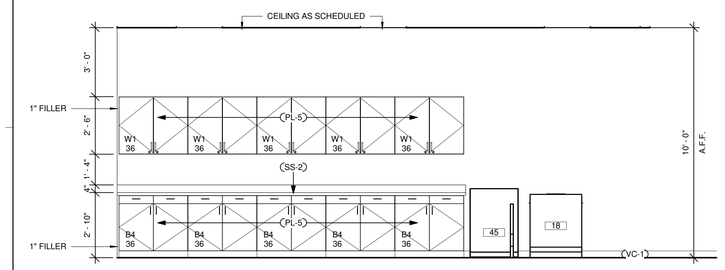
B4 A103 - PHYSICAL THERAPY
3/8" = 1'-0"



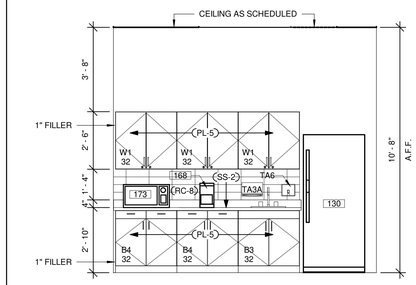
B5 A104 - CURTAIN ROOM
3/8" = 1'-0"



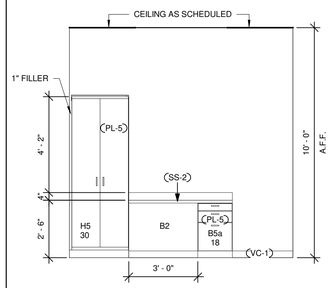
B7 A105-A106 - CURTAIN ROOM
3/8" = 1'-0"



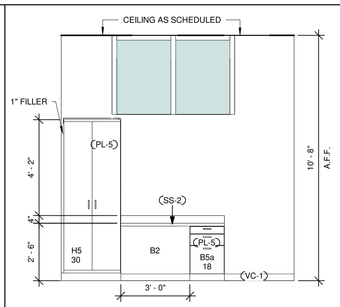
D1 A118 - OCCUPATIONAL THERAPY
3/8" = 1'-0"



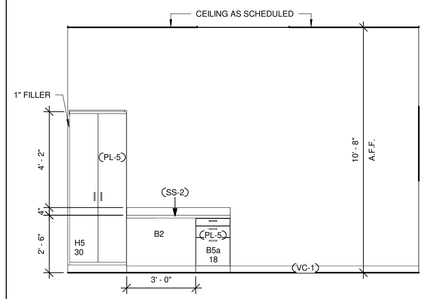
D3 A119 - BREAKROOM
3/8" = 1'-0"



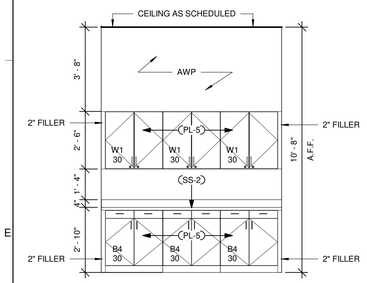
D4 A121 & A125 - OFFICE
3/8" = 1'-0"



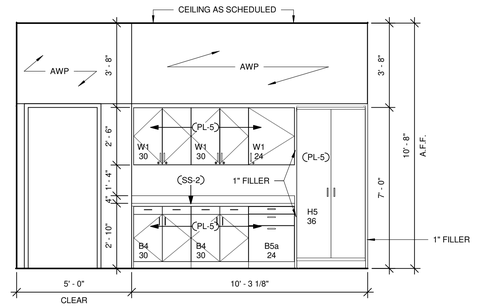
D5 A123 - OFFICE
3/8" = 1'-0"



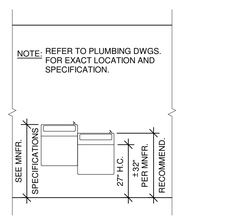
D7 A124 - OFFICE
3/8" = 1'-0"



E1 A122 - SPEECH THERAPY (EAST)
3/8" = 1'-0"



E2 A122 - SPEECH THERAPY (SOUTH)
3/8" = 1'-0"



E4 TYPICAL H.C. E.W.C. ELEVATION
3/8"=1'-0" A17-EWC (121114)

Project Architect:

MBA

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T: 727.530.0570

Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

INTERIOR ELEVATIONS

Drawing Number:

A17-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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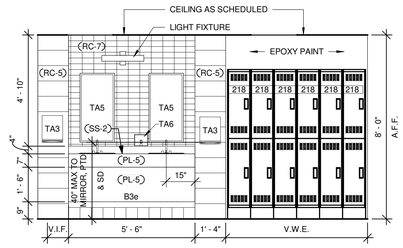
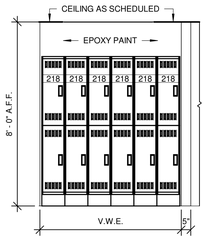
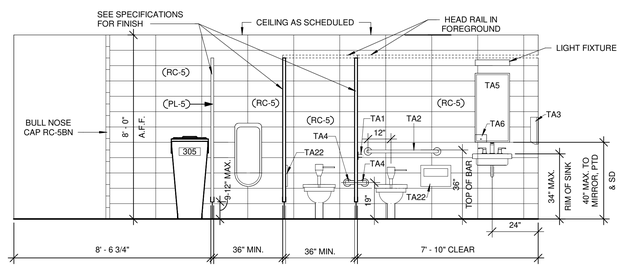


A1 A113 - M. LOCKER (WEST)
3/8" = 1'-0"

NOTES:
1. REFER TO TOILET ACCESSORY SCHEDULE FOR ADDITIONAL INFORMATION.
2. REFER TO ROOM FINISH SCHEDULE FOR WALL FINISHES.
3. REFER TO PLANS FOR ADDITIONAL CRITICAL DIMENSIONS.
4. FLUSH HANDLE ON WATER CLOSET SHALL BE ON SIDE CLOSEST TO SINK.
5. * ALL DIMENSIONS GIVEN ARE FROM FACE OF FINISH (TILE, GWB, ETC).
6. PROVIDE CONCEALED MOUNTING BRACKETS AS REQUIRED.



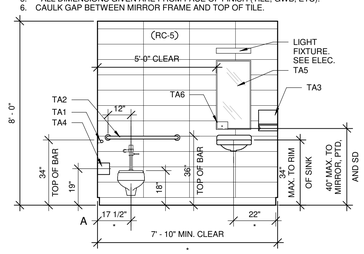
A2 A113 - M. LOCKER (NORTH)
3/8" = 1'-0"



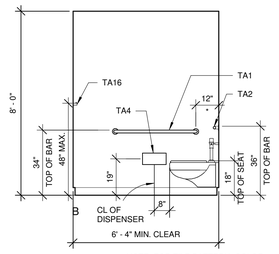
A3 A113 - M. LOCKER (EAST)
3/8" = 1'-0"

NOTES:
1. REFER TO TOILET ACCESSORY SCHEDULE FOR ADDITIONAL INFORMATION.
2. REFER TO ROOM FINISH SCHEDULE FOR WALL FINISHES.
3. REFER TO PLANS FOR ADDITIONAL CRITICAL DIMENSIONS.
4. FLUSH HANDLE ON WATER CLOSET SHALL BE ON SIDE CLOSEST TO SINK.
5. * ALL DIMENSIONS GIVEN ARE FROM FACE OF FINISH (TILE, GWB, ETC).
6. PROVIDE CONCEALED MOUNTING BRACKETS AS REQUIRED.

NOTES:
1. REFER TO TOILET ACCESSORY SCHEDULE FOR ADDITIONAL INFORMATION.
2. REFER TO ROOM FINISH SCHEDULE FOR WALL FINISHES.
3. REFER TO PLANS FOR ADDITIONAL CRITICAL DIMENSIONS.
4. FLUSH HANDLE ON WATER CLOSET SHALL BE ON SIDE CLOSEST TO SINK.
5. * ALL DIMENSIONS GIVEN ARE FROM FACE OF FINISH (TILE, GWB, ETC).
6. CAULK GAP BETWEEN MIRROR FRAME AND TOP OF TILE.



A6 TYPICAL H.C. TOILET ELEVATION
3/8"=1'-0" A17-ELTOILA (010923)



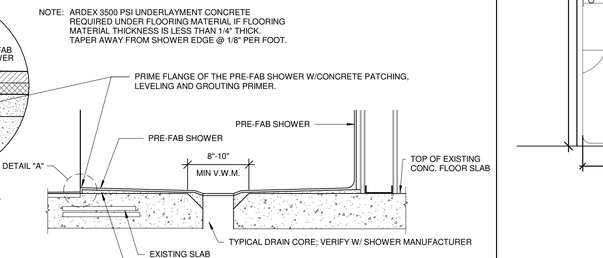
NOTE: FOR TILE PATTERN, COLOR, ETC., SEE ID DRAWINGS.

A7 TYPICAL H.C. TOILET ELEVATION
3/8"=1'-0" A17-ELTOILA (010923)

B1 A114 - F. LOCKER (EAST)
3/8" = 1'-0"

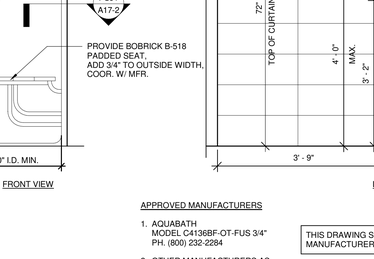
NOTES:
1. REFER TO TOILET ACCESSORY SCHEDULE FOR ADDITIONAL INFORMATION.
2. REFER TO ROOM FINISH SCHEDULE FOR WALL FINISHES.
3. REFER TO PLANS FOR ADDITIONAL CRITICAL DIMENSIONS.
4. FLUSH HANDLE ON WATER CLOSET SHALL BE ON SIDE CLOSEST TO SINK.
5. * ALL DIMENSIONS GIVEN ARE FROM FACE OF FINISH (TILE, GWB, ETC).
6. PROVIDE CONCEALED MOUNTING BRACKETS AS REQUIRED.

B2 A114 - F. LOCKER (SOUTH)
3/8" = 1'-0"



B3 A114 - F. LOCKER (WEST)
3/8" = 1'-0"

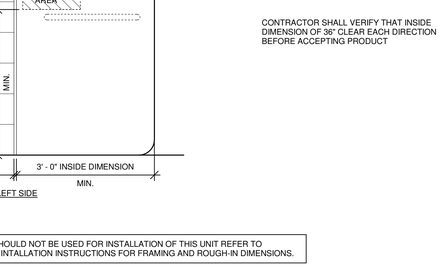
NOTES:
1. REFER TO TOILET ACCESSORY SCHEDULE FOR ADDITIONAL INFORMATION.
2. REFER TO ROOM FINISH SCHEDULE FOR WALL FINISHES.
3. REFER TO PLANS FOR ADDITIONAL CRITICAL DIMENSIONS.
4. FLUSH HANDLE ON WATER CLOSET SHALL BE ON SIDE CLOSEST TO SINK.
5. * ALL DIMENSIONS GIVEN ARE FROM FACE OF FINISH (TILE, GWB, ETC).
6. PROVIDE CONCEALED MOUNTING BRACKETS AS REQUIRED.



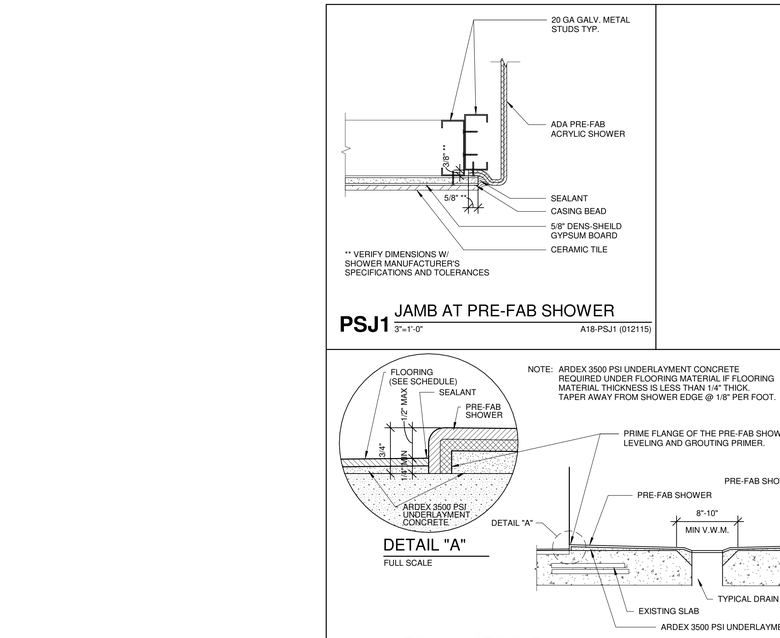
FRONT VIEW

Approved Manufacturers:
1. AquaBath
Model: C6536BF-OT-FUS 3/4"
ADA Compliant
Ph: (800) 232-2284

B5 ADA SHOWER STALL
3/8" = 1'-0"



LEFT SIDE

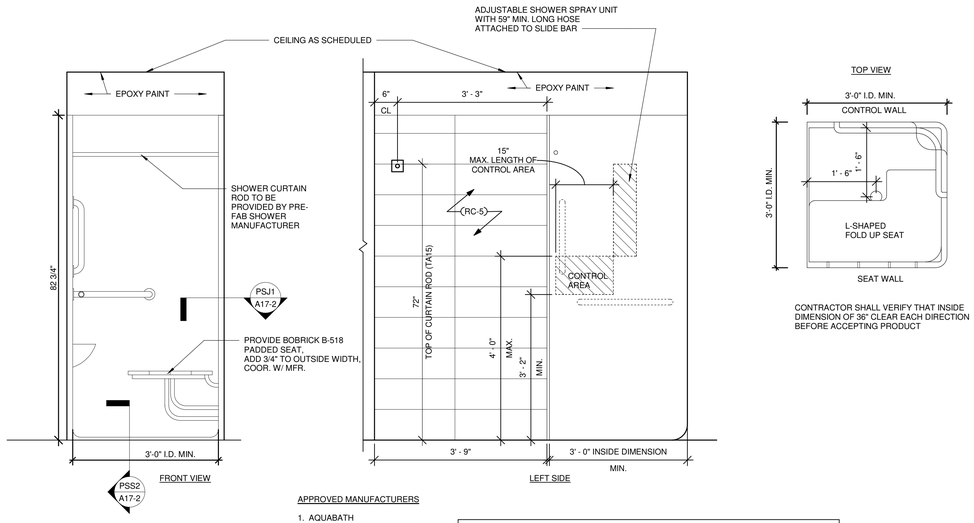


PSJ1 JAMB AT PRE-FAB SHOWER
3"=1'-0" A18-PSJ1 (012115)

DETAIL "A"
FULL SCALE

PSS2 ROLL-IN PRE-FAB SHOWER INSTALLATION
1 1/2"=1'-0" A18-PSS2 (012215)

NOTE: CONTRACTOR SHALL COORDINATE ALL DIMENSIONS W/ SHOWER MANUFACTURER.



FRONT VIEW

LEFT SIDE

APPROVED MANUFACTURERS
1. AQUABATH
MODEL C4136BF-OT-FUS 3/4"
PH. (800) 232-2284
2. OTHER MANUFACTURERS AS APPROVED BY ARCHITECT

THIS DRAWING SHOULD NOT BE USED FOR INSTALLATION OF THIS UNIT REFER TO MANUFACTURER INTALLATION INSTRUCTIONS FOR FRAMING AND ROUGH-IN DIMENSIONS.

CONTRACTOR SHALL VERIFY THAT INSIDE DIMENSION OF 36" CLEAR EACH DIRECTION BEFORE ACCEPTING PRODUCT

E5 TYP. H.C. SHOWER STALL
3/4" = 1'-0"

Project Architect:
MBA
Mason Blau & Associates
4625 E Bay Drive, #228,
Clearwater, FL 33764
AR0013034
T: 727.530.0570

Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:
3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:
INTERIOR ELEVATIONS

Drawing Number:
A17-2

Drawn by: MBA
Checked by: RB
Scale: As indicated

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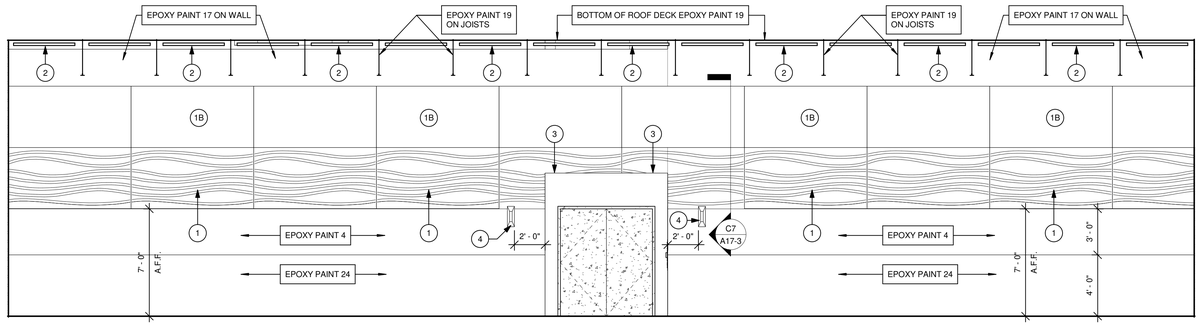
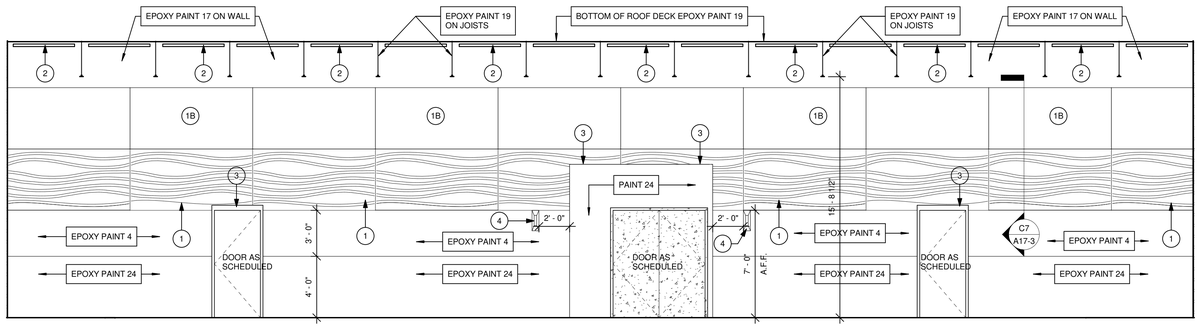
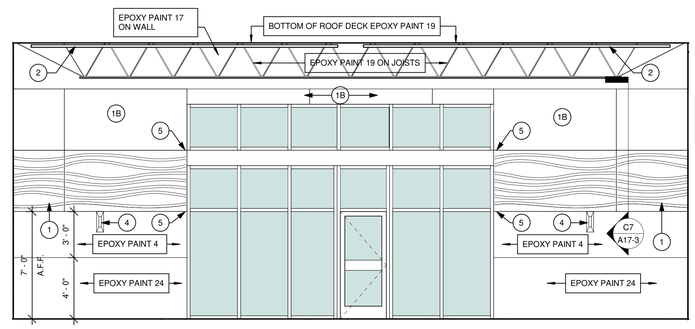


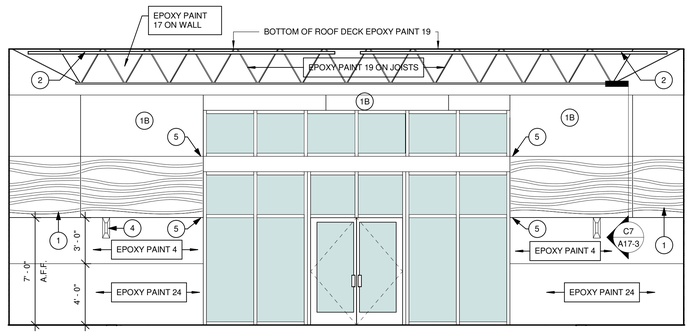
1 A113 - POOL (EAST)
1/4" = 1'-0"



2 A113 - POOL (WEST)
1/4" = 1'-0"



3 A113 - POOL (NORTH)
1/4" = 1'-0"



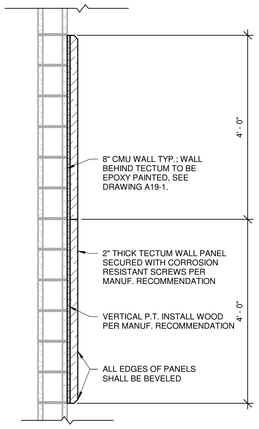
4 A113 - POOL (SOUTH)
1/4" = 1'-0"

FINISH KEY NOTES

1. TECTUM CUSTOM COLOR P-2, 4' X 8' PANEL WITH "CONTOUR" PATTERN, SEE DETAIL C7/A17-3.
1B. TECTUM "POLAR" 4' X 8' PANEL WITH NO PATTERN, SEE DETAIL C7/A17-3.
2. ACOUSTICAL SOLUTION: ALPHAFLEX PVC WRAPPED CEILING BANNER, COLOR: BEIGE.
3. TRIM TECTUM AROUND DOOR FRAME / OPENING.
4. WALL SCONCE "MAGLEV", SEE ELECTRICAL DRAWINGS.
5. ALIGN TECTUM PANEL WITH MULLION AS SHOWN.

GENERAL NOTES

1. FOR PAINT COLORS SEE DRAWING A19-1.
2. FIELD VERIFIY ALL DIMENSIONS PRIOR TO INSTALLATION OF TECTUM PANELS.



C7 TECTUM WALL PANEL DETAIL
3/4" = 1'-0"

ACOUSTICAL S.F. REQUIREMENT

TOTAL REQUIRED S.F. - 4,000 S.F.

TOTAL CEILING BANNER S.F. - 2,560 S.F.

TOTAL TECTUM S.F. - 1,623 S.F.

TOTAL PROVIDED S.F. - 4,183 S.F.

Project Architect:

MBA

Mason Blau & Associates
4625 E Bay Drive, #228,
Clearwater, FL 33764
AR0013034
T: 727.530.0570

Seal & Signature:

Robert H. Blau, AIA

Project Name:

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Project Location:

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Marianna, FL 32446

CONSTRUCTION DOCUMENTS

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REVISIONS

No.	Description	Date

Drawing Title:

INTERIOR ELEVATIONS

Drawing Number:

A17-3

Drawn by: MBA
Checked by: RB
Scale: As indicated

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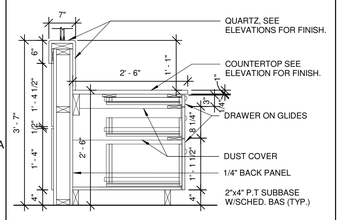
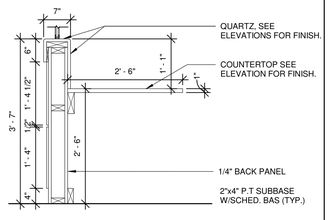


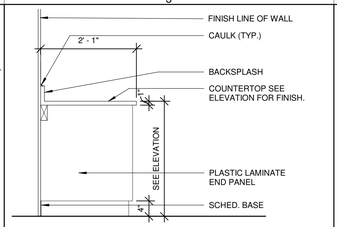
NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI-EXPOSED SURFACES.

B1 CASEWORK SECTION
3/4"=1'-0" A18-B1 (121114)



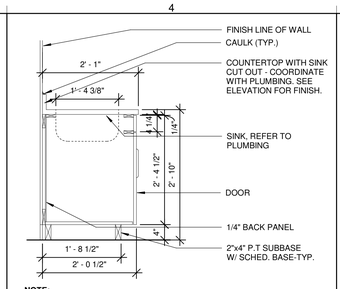
NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI-EXPOSED SURFACES.

B1a CASEWORK SECTION
3/4"=1'-0" A18-B1a (121114)



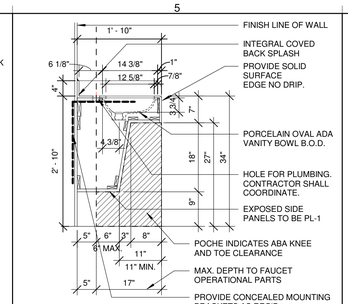
NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI-EXPOSED SURFACES.

B2 CASEWORK SECTION
3/4"=1'-0" A18-B2 (120519)

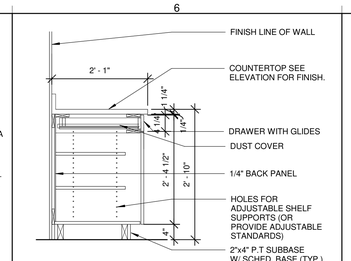


NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI-EXPOSED SURFACES.

B3 CASEWORK SECTION
3/4"=1'-0" A18-B3 (120519)

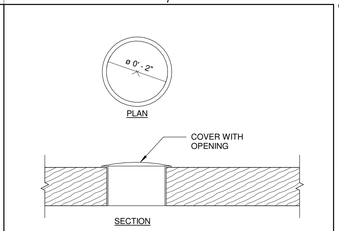


B3e INTEGRAL COUNTER SINK DETAIL
3/4"=1'-0" A18-B3e (112222)



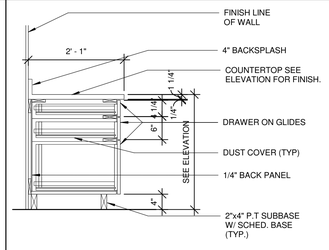
NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI-EXPOSED SURFACES.

B4 CASEWORK SECTION
3/4"=1'-0" A18-B4 (120519)



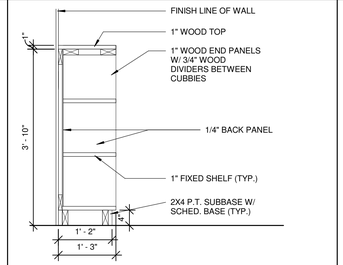
NOTE:
1. LOCATION SHALL BE AT ALL WIRE CORD PENETRATION. COORDINATE LOCATION WITH OWNER.

B16 TYPICAL GROMMET DETAIL
6"=1'-0"



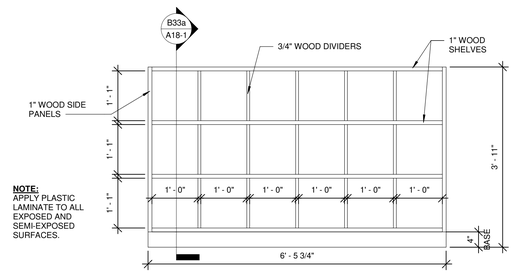
NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI-EXPOSED SURFACES.

B5a CASEWORK SECTION
3/4"=1'-0" A18-B5a (111219)



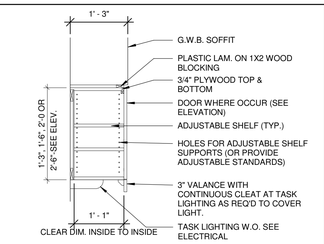
NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI-EXPOSED SURFACES.

B33a CASEWORK SECTION
3/4"=1'-0"



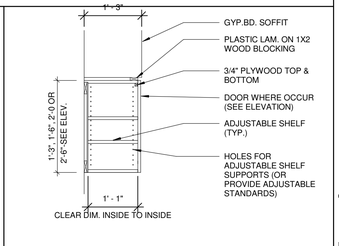
NOTE:
APPLY PLASTIC LAMINATE TO ALL EXPOSED AND SEMI-EXPOSED SURFACES.

B33 BASE CUBBY ELEVATION
3/4" = 1'-0"



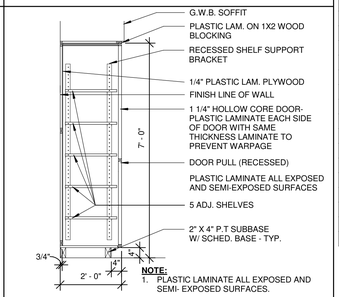
NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI-EXPOSED SURFACES.

W1L CASEWORK SECTION
3/4"=1'-0" A18-W1L (121114)



NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI-EXPOSED SURFACES.

W1 CASEWORK SECTION
3/4"=1'-0" A18-W1 (121114)



NOTE:
1. PLASTIC LAMINATE ALL EXPOSED AND SEMI- EXPOSED SURFACES.

H5 CASEWORK SECTION
1/2"=1'-0" A18-H5 (041422)

Project Architect:

MBA

Mason Blau & Associates
4625 E Bay Drive, #228,
Clearwater, FL 33764
AR0013034
T: 727.530.0570

Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

CASEWORK SECTIONS

Drawing Number:

A18-1

Drawn by: MBA
Checked by: RB
Scale: As indicated

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FLOOR MATERIALS

PC	PAINT CHEMICAL RESISTANT COLOR: GREY
CS	CONCRETE SEALED
EP	EPOXY PAINT, SLIP RESISTANT COLOR: GREY
LV-2	MANUF.: SHAW CONTRACT PATTERN: COMPOUND 5.0 MM 4077V; 20 MIL COLOR: 77518 ELEVATE SIZE: 24" X 24" INSTALL: MONOLITHIC NOTE: PAUL CLEVELAND 813.760.6894 / TRAVIS SWILLING 813.599.0805
LV-5	MANUF.: SHAW CONTRACT PATTERN: COMPOUND 5.0 MM 4077V; 20 MIL COLOR: 77429 BERYL SIZE: 24" X 24" INSTALL: MONOLITHIC NOTE: PAUL CLEVELAND 813.760.6894 / TRAVIS SWILLING 813.599.0805
PT-3	MANUF.: DALTILE PATTERN: REKINDLE PORCELAIN TILE COLOR: WHITE RK10 GROUT: MAPEI 93 WARM GRAY SIZE: 24" X 12" X 5/16" STRAIGHT STACK NOTE: SAVANNAH RESCH 727.417.3966
PT-4	MANUF.: DALTILE PATTERN: REKINDLE CANVAS DOT MOSAIC COLOR: WHITE RK10 GROUT: MAPEI 93 WARM GRAY SIZE: 13.5" X 13.5" 5/16" SHEET NOTE: SAVANNAH RESCH 727.417.3966
PV-1 POOL DECK OPT. 1	MANUF.: DALTILE PATTERN: REKINDLE XTERIOR PAVER TILE COLOR: WHITE RK10 GROUT: MAPEI 93 WARM GRAY SIZE: 24" X 24" X 1/2" NOTE: SAVANNAH RESCH 727.417.3966
CS-1 POOL DECK DEDUCT OPT. 2	MANUFACTURER: INNOVATIVE CONCRETE TECHNOLOGY PRODUCT: COLOR SEAL H20 COOL SERIES: 225 COLOR: OYSTER
RS-1	MANUF.: ROPPE PATTERN: RECOIL FITNESS FLOORING (ROLL) COLOR: 100 BLACK SIZE: 48" X 49.5" X 1/4" GAUGE (VERIFY WITH LV) NOTE: KRISTY NASH 419.619.5766
VT-1	MANUF.: TARKETT PATTERN: VCT II COLOR: 557 SHOOTING STAR SIZE: 12" X 12" X 1/8" NOTE: ALISON SHAW 941.932.3245

BASE

CT-1	MANUF.: AMERICAN OLEAN PATTERN: COLOR STORY WALL COVE BASE COLOR: MATTE BALANCE 0034 (1) GROUT: MAPEI 93 WARM GRAY SIZE: 6" X 6" NOTE: SAVANNA RESCH 727.417.3955
VC-1	MANUF.: TARKETT / JOHNSONITE PATTERN: COVE BASE COLOR: TAS COLONIAL GRAY CG SIZE: 4" HIGH NOTE: ALISON SHAW 941.932.3245
PTB	MANUF.: DALTILE PATTERN: REKINDLE PORCELAIN TILE COLOR: WHITE RK10 GROUT: MAPEI 93 WARM GRAY SIZE: 24" X 3" X 5/16" BULLNOSE MODEL #: P43P9 NOTE: SAVANNAH RESCH 727.417.3966

CABINETRY / COUNTER SURFACE

PL-5	MANUF.: WILSONART HD LAMINATE PATTERN: SOLANO WALNUT 17018K-87 FINISH: ALIGNED AEON SCRATCH RESISTANCE, ANTIMICROBIAL PROTECTION NOTE: TERESA FINCH 813.293.0588
SS-2	MANUF.: WILSONART SOLID SURFACE PATTERN: GREY BEOLA 9218CM NOTE: TERESA FINCH 813.293.0588
QZ-2	MANUF.: CAMBRIA USA QUARTZ PATTERN: SALT LAKE MATTE THICKNESS: 3 CM EASED EDGE NOTE: TANYA BARKER 689.231.2493

WALL & CEILING MATERIALS

FRP	MANUF.: MARLITE PATTERN: STANDARD FIBERGLASS REINFORCED PLASTIC COLOR: LIGHT GREY S 49ON FINISH: SMOOTH; USE WITH MATCHING PVD TRIM NOTE: MARLITE@ARCHSPECSALES.COM
PAINT 1	MANUF.: SHERWIN WILLIAMS PAINT COLOR: ZURICH WHITE SW 7626
PAINT 2	MANUF.: SHERWIN WILLIAMS PAINT COLOR: MILD BLUE SW 6533
PAINT 4	MANUF.: SHERWIN WILLIAMS PAINT COLOR: ALEUTIAN SW 6241
PAINT 5	MANUF.: SHERWIN WILLIAMS PAINT COLOR: WINDY BLUE SW 6240
PAINT 7	MANUF.: SHERWIN WILLIAMS PAINT COLOR: BRIGHT WHITE SW 7007
PAINT 8	MANUF.: SHERWIN WILLIAMS PAINT COLOR: UPWARD SW 6239
PAINT 17	MANUF.: SHERWIN WILLIAMS PAINT COLOR: EXTRA WHITE SW 7006
PAINT 19	MANUF.: SHERWIN WILLIAMS PAINT COLOR: AGREEABLE GRAY SW 7029
PAINT 24	MANUF.: SHERWIN WILLIAMS PAINT COLOR: ANEW GRAY SW 7030
PL-5	MANUF.: WILSONART PATTERN: SOLANO WALNUT 17018K-67 FINISH: ALIGNED INSTALLED VERTICALLY AT RECEPTION DESK FACADE NOTE: TERESA FINCH 813.293.0588
PT-3	MANUF.: DALTILE PATTERN: REKINDLE PORCELAIN TILE COLOR: WHITE RK10 GROUT: MAPEI 93 WARM GRAY 24" X 12" X 5/16" STRAIGHT STACK NOTE: SAVANNAH RESCH 727.417.3966
RC-5	MANUF.: AMERICAN OLEAN PATTERN: COLOR STORY WALL GLAZED CERAMIC COLOR: MATTE BALANCE 0034 (1) GROUT: MAPEI 93 WARM GRAY INSTALLATION: STRAIGHT STACK SIZE: 24" X 8" NOTE: SAVANNAH RESCH 727.417.3966
RC-5BN	MANUF.: AMERICAN OLEAN PATTERN: COLOR STORY WALL GLAZED CERAMIC COLOR: MATTE BALANCE 0034 (1) GROUT: MAPEI 93 WARM GRAY SIZE: 6" X 2" NOTE: SAVANNAH RESCH 727.417.3966
RC-7	MANUF.: DALTILE PATTERN: COLOR WHEEL CLASSIC GLAZED CERAMIC COLOR: GALAXY 1469 (3) GROUT: MAPEI 77 FROST SIZE: 6"W X 3"H NOTE: SAVANNAH RESCH 727.417.3966
RC-8	MANUF.: AMERICAN OLEAN PATTERN: COLOR STORY WALL GLAZED CERAMIC COLOR: MATTE BALANCE 0034 (1) GROUT: MAPEI 93 WARM GRAY INSTALLATION: STRAIGHT STACK SIZE: 12" X 4" NOTE: SAVANNAH RESCH 727.417.3966

MISCELLANEOUS

CUBICLE CURTAINS	MANUF.: ARCHITEX PATTERN: RX 4000 COLOR: STREAM NOTE: CHUCK HOFMANN 321.693.7099
ACOUSTICAL WALL PANELS	SYSTEM: MANUF.: SOFTWALLS PHONE: 301.212.9890 WWW.SOFTWALLS.COM FABRIC: MANUF.: DUVALTEX PATTERN: BAILEY 2299 COLOR: KENNEBEC BLUE 7041
DOORS VENEER 1 - PAINTED	MANUF.: VT INDUSTRIES SPECIES: WHITE BIRCH COLOR: PAINT - SHERWIN WILLIAMS "ZIRCON" SW 7667 NOTE: VT DOORS 800.827.1615
INTERIOR DOOR FRAME PAINT 3	MANUF.: SHERWIN WILLIAMS COLOR: SHERWIN WILLIAMS "MARCH WIND" SW 7668
LOCKERS	MANUF.: ULINE STYLE: DOUBLE TIER COLOR: GRAY NOTE: ULINE 800.295.5510
CG WALL PROTECTION	MANUF.: CONSTRUCTION SPECIALTIES ACROVYN CORNER GUARDS - ADHESIVE APPLIED COLOR: 927 FOLKSTONE SIZE: 4' HIGH, INSTALLED ON TOP OF BASE NOTE: COPELAND ARCH SYSTEMS CORP 813.831.3344
ROLLER SHADE	MANUF.: MECHO SHADE STYLE: THERMOVEIL SERIES 2100 SERIES (10% OPEN) COLOR: WHITE 2101 NOTE: TAHANI RICHMOND 954.529.0155
SHOWER CURTAIN	MANUF.: INPRO COLOR: SBS CHINO 42" X 70" (CZ24HR-SBS-CH42) NOTE: SHANNON HARWOOD 813.391.8407
POOL WATER LINE TILE	MANUF.: DALTILE PATTERN: COLOR WHEEL CLASSIC GLAZED CERAMIC COLOR: 1174 SEA BREEZE GROUT: MAPEI 77 FROST SIZE: 6" X 6" NOTE: SAVANNAH RESCH 727.417.3966
SCH	MANUF.: SCHLUTER AT EDGE TILE AT BREAKROOM & PT BACKSPLASHES AND VESTIBULE V002 PATTERN: SCHIENE COLOR: SATIN ANODIZED
AP	MANUF.: 3-FORM STYLE: HINT FLOW + CLEAR MATERIAL: 100% RECYCLED VARIA GUAGE: 1/2" FINISH: SANDSTONE 3-FORM: LID-1015503 NOTE: MEGAN MERCER 407.595.3492

FINISH SCHEDULE LEGEND

A19-001
(113022)

FLOOR MATERIALS

MX MATCH EXISTING
X EXISTING TO REMAIN
CP CARPET
CS CONCRETE SEALED
CT CERAMIC MOSAIC TILE
HV HEAT SEAM SHEET VINYL
LV LUXURY VINYL
PT PORCELAIN TILE
PV PAVER TILE
TC CARPET TILE
QT QUARRY TILE
SV SHEET VINYL
VT VINYL COMPOSITION TILE
VW VINYL WOOD PLANKS
WD WOOD
PC PAINT CHEMICAL RESISTANT

BASE MATERIALS

MX MATCH EXISTING
X EXISTING TO REMAIN
– NO BASE REQUIRED
CP CARPET
CT CERAMIC TILE
IC COVE INTEGRAL WITH FLOOR FINISH
QT QUARRY TILE
RC RUBBER COVED
VC VINYL COVED
VM VINYL MILLWORK
WD WOOD BASE 4" HIGH STAINED - SEE INTERIOR DESIGN DRAWINGS

WALL MATERIALS

X EXISTING TO REMAIN
CP CONCRETE PAINTED
CT CERAMIC TILE
GA ACOUSTICAL WALLPAPER ON GYPSUM WALLBOARD
GE GYPSUM WALLBOARD, EPOXY PAINTED
GP GYPSUM WALLBOARD, PAINTED
GV VINYL WALL COVERING ON GYPSUM WALLBOARD
ME MASONRY WALL, EPOXY PAINTED
MP MASONRY WALL, PAINTED
RE M.R. GWB EPOXY PAINTED
RC M.R. GWB, CERAMIC TILE
RP M.R. GWB, PAINTED
RV M.R. GWB., VINYL WALL COVERING
XP EXISTING WALL, PAINTED
XV EXISTING VINYL WALL COVERING

CEILING MATERIALS

X EXISTING TO REMAIN
EP EXPOSED STRUCTURE, HIGH-QUALITY EPOXY POOL RATED PAINTED
ES EXPOSED STRUCTURE, NO CEILING
GP GYPSUM WALLBOARD, PAINTED
GE GYPSUM WALLBOARD, EPOXY PAINTED

LA1 LAY-IN ACOUSTICAL PANEL ARMSTRONG FINE FISSURED, SQUARE EDGE, 2'X2'X5/8" WITH 15/16" WHITE GRID, OR USG RADAR, SQUARE EDGE, 2'X2'X5/8" WITH 15/16" WHITE GRID.

LA2 LAY-IN ACOUSTICAL PANEL ARMSTRONG FINE FISSURED, SQUARE EDGE, 2'X4'X5/8" WITH 15/16" WHITE GRID, OR USG RADAR, SQUARE EDGE, 2'X4'X5/8" WITH 15/16" WHITE GRID.

LM1 LAY-IN ACOUSTICAL PANEL ARMSTRONG CLEAN ROOM VL, SQUARE EDGE, 2'X4'X5/8" WITH 15/16" WHITE GRID AND CLOSED CELL FOAM GASKETS, OR USG CLEAN ROOM CLIMAPLUS CLASS 100, SQUARE EDGE, 2'X4'X5/8" WITH 15/16" WHITE GRID AND CLOSED CELL FOAM GASKETS.

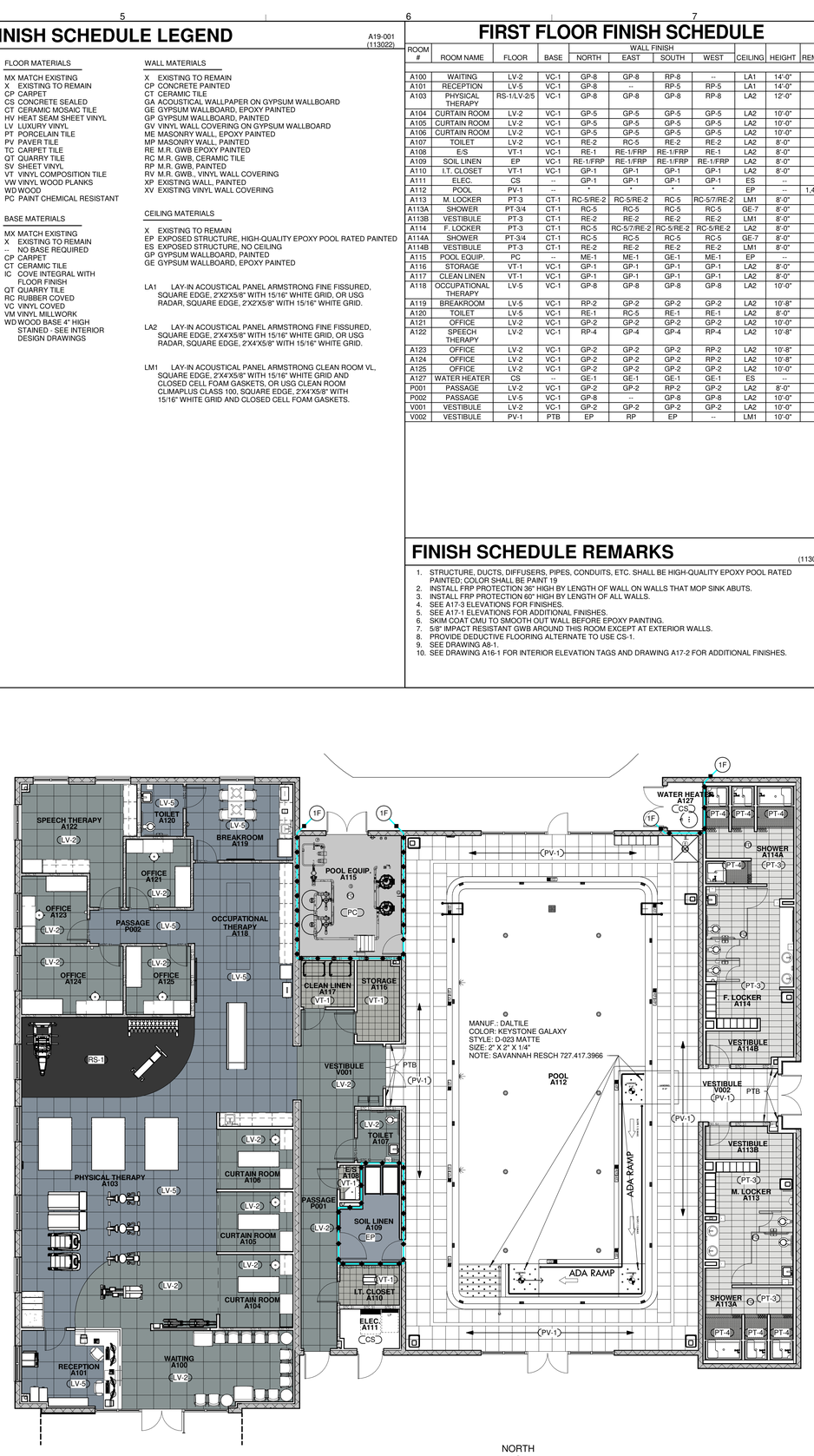
FIRST FLOOR FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING	HEIGHT	REMARKS
A100	WAITING	LV-2	VC-1	GP-8	GP-8	RP-8	--	LA1	14'-0"	5
A101	RECEPTION	LV-5	VC-1	GP-8	--	RP-5	RP-5	LA1	14'-0"	5
A103	PHYSICAL THERAPY	RS-1/LV-2/5	VC-1	GP-8	GP-8	GP-8	RP-8	LA2	12'-0"	5,7
A104	CURTAIN ROOM	LV-2	VC-1	GP-5	GP-5	GP-5	GP-5	LA2	10'-0"	
A105	CURTAIN ROOM	LV-2	VC-1	GP-5	GP-5	GP-5	GP-5	LA2	10'-0"	
A106	CURTAIN ROOM	LV-2	VC-1	GP-5	GP-5	GP-5	GP-5	LA2	10'-0"	
A107	TOILET	LV-2	VC-1	RE-2	RC-5	RE-2	RE-2	LA2	8'-0"	10
A108	E/S	VT-1	VC-1	RE-1	RE-1/FRP	RE-1/FRP	RE-1	LA2	8'-0"	2
A109	SOIL LINEN	EP	VC-1	RE-1/FRP	RE-1/FRP	RE-1/FRP	RE-1/FRP	LA2	8'-0"	3
A110	I.T. CLOSET	VT-1	VC-1	GP-1	GP-1	GP-1	GP-1	LA2	8'-0"	
A111	ELEC.	CS	--	GP-1	GP-1	GP-1	GP-1	ES	--	
A112	POOL	PV-1	--	*	*	*	*	EP	--	1,4,6,8,9
A113	M. LOCKER	PT-3	CT-1	RC-5/RE-2	RC-5/RE-2	RC-5	RC-5/7/RE-2	LM1	8'-0"	10
A113A	SHOWER	PT-3/4	CT-1	RC-5	RC-5	RC-5	RC-5	GE-7	8'-0"	10
A113B	VESTIBULE	PT-3	CT-1	RE-2	RE-2	RE-2	LM1	8'-0"		
A114	F. LOCKER	PT-3	CT-1	RC-5	RC-5/7/RE-2	RC-5/RE-2	RC-5/RE-2	LA2	8'-0"	10
A114A	SHOWER	PT-3/4	CT-1	RC-5	RC-5	RC-5	RC-5	GE-7	8'-0"	10
A114B	VESTIBULE	PT-3	CT-1	RE-2	RE-2	RE-2	LM1	8'-0"		
A115	POOL EQUIP.	PC	--	ME-1	ME-1	GE-1	ME-1	EP	--	1
A116	STORAGE	VT-1	VC-1	GP-1	GP-1	GP-1	GP-1	LA2	8'-0"	
A117	CLEAN LINEN	VT-1	VC-1	GP-1	GP-1	GP-1	GP-1	LA2	8'-0"	
A118	OCCUPATIONAL THERAPY	LV-5	VC-1	GP-8	GP-8	GP-8	GP-8	LA2	10'-0"	5
A119	BREAKROOM	LV-5	VC-1	RP-2	GP-2	GP-2	GP-2	LA2	10'-8"	5
A120	TOILET	LV-5	VC-1	RE-1	RC-5	RE-1	RE-1	LA2	8'-0"	10
A121	OFFICE	LV-2	VC-1	GP-2	GP-2	GP-2	GP-2	LA2	10'-0"	
A122	SPEECH THERAPY	LV-2	VC-1	RP-4	GP-4	GP-4	RP-4	LA2	10'-8"	5
A123	OFFICE	LV-2	VC-1	GP-2	GP-2	GP-2	RP-2	LA2	10'-8"	
A124	OFFICE	LV-2	VC-1	GP-2	GP-2	GP-2	RP-2	LA2	10'-8"	
A125	OFFICE	LV-2	VC-1	GP-2	GP-2	GP-2	GP-2	LA2	10'-0"	
A127	WATER HEATER	CS	--	GE-1	GE-1	GE-1	GE-1	ES	--	
P001	PASSAGE	LV-2	VC-1	GP-2	GP-2	RP-2	GP-2	LA2	8'-0"	
P002	PASSAGE	LV-5	VC-1	GP-8	--	GP-8	GP-8	LA2	10'-0"	
V001	VESTIBULE	LV-2	VC-1	GP-2	GP-2	GP-2	GP-2	LA2	10'-0"	
V002	VESTIBULE	PV-1	PTB	EP	RP	EP	--	LM1	10'-0"	8

FINISH SCHEDULE REMARKS

(113022)

1. STRUCTURE, DUCTS, DIFFUSERS, PIPES, CONDUITS, ETC. SHALL BE HIGH-QUALITY EPOXY POOL RATED PAINTED; COLOR SHALL BE PAINT 19
2. INSTALL FRP PROTECTION 36" HIGH BY LENGTH OF WALL ON WALLS THAT MOP SINK ABUTS.
3. INSTALL FRP PROTECTION 60" HIGH BY LENGTH OF ALL WALLS.
4. SEE A17-3 ELEVATIONS FOR FINISHES.
5. SEE A17-1 ELEVATIONS FOR ADDITIONAL FINISHES.
6. SKIM COAT CMU TO SMOOTH OUT WALL BEFORE EPOXY PAINTING.
7. 5/8" IMPACT RESISTANT GWB AROUND THIS ROOM EXCEPT AT EXTERIOR WALLS.
8. PROVIDE DEDUCTIVE FLOORING ALTERNATE TO USE CS-1.
9. SEE DRAWING A8-1.
10. SEE DRAWING A16-1 FOR INTERIOR ELEVATION TAGS AND DRAWING A17-2 FOR ADDITIONAL FINISHES.



NORTH

FIRST FLOOR FINISH PLAN

1/8" = 1'-0"

Project Architect:

MBA

Mason Blau & Associates
4625 E Bay Drive, #228,
Clearwater, FL 33764
AR0013034
T: 727.530.0570

Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011

Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

REVISIONS

No.	Description	Date

Drawing Title:

FINISH PLAN & NOTES

Drawing Number:

A19-1

Drawn by: MBA
Checked by: Checker
Scale: As indicated

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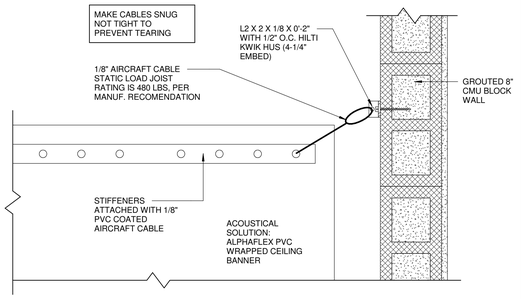
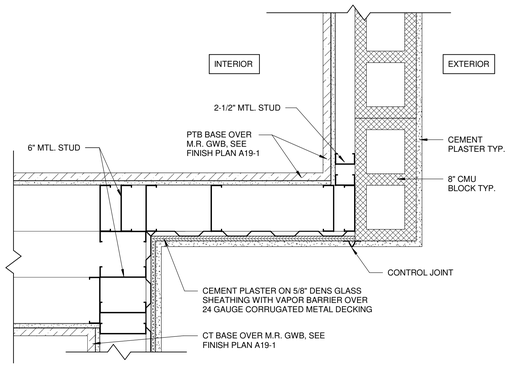
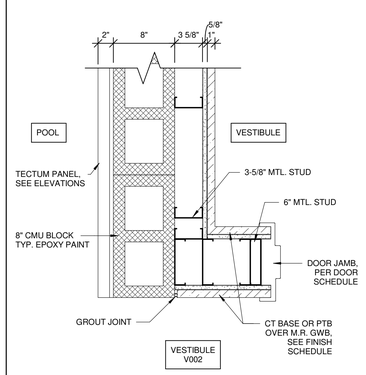


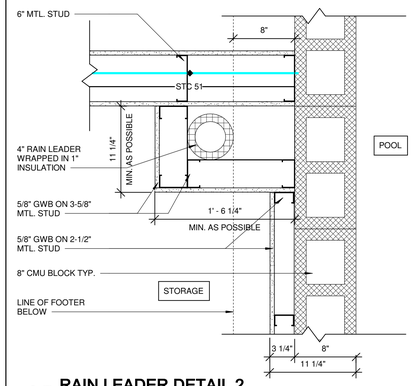
A1 CEILING BANNER TO WALL DETAIL
1 1/2" = 1'-0"



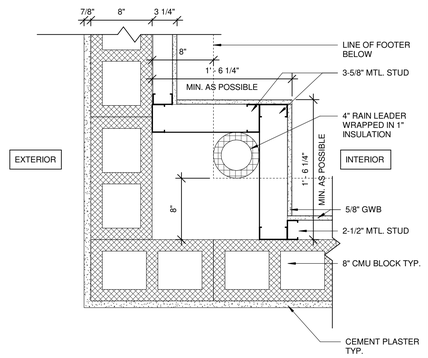
A2 CORNER DETAIL 1
1 1/2" = 1'-0"



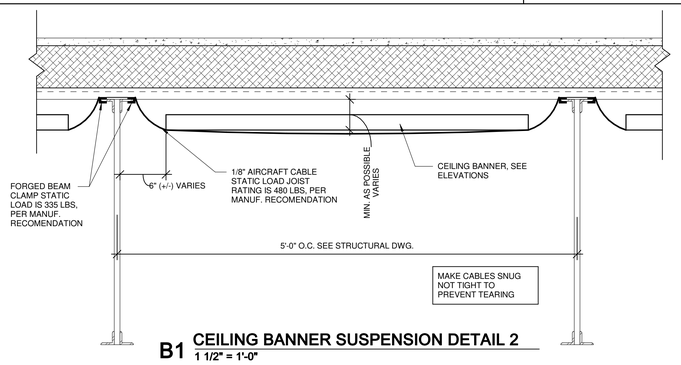
A4 CORNER DETAIL 2
1 1/2" = 1'-0"



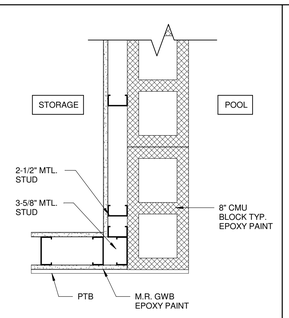
A5 RAIN LEADER DETAIL 2
1 1/2" = 1'-0"



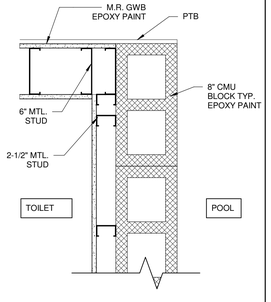
A7 RAIN LEADER DETAIL 1
1 1/2" = 1'-0"



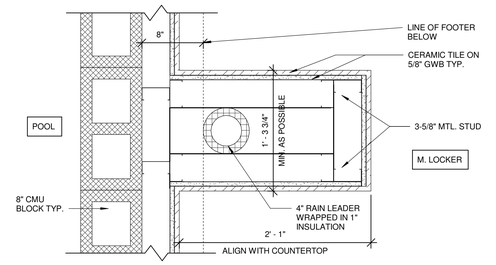
B1 CEILING BANNER SUSPENSION DETAIL 2
1 1/2" = 1'-0"



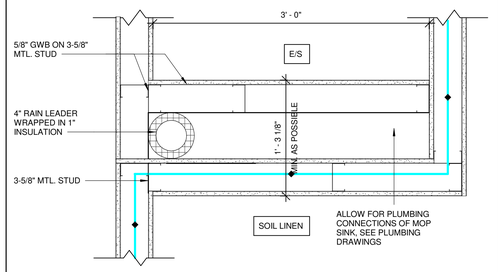
B3 CORNER DETAIL 3
1 1/2" = 1'-0"



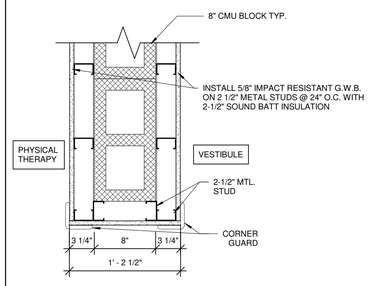
B4 CORNER DETAIL 4
1 1/2" = 1'-0"



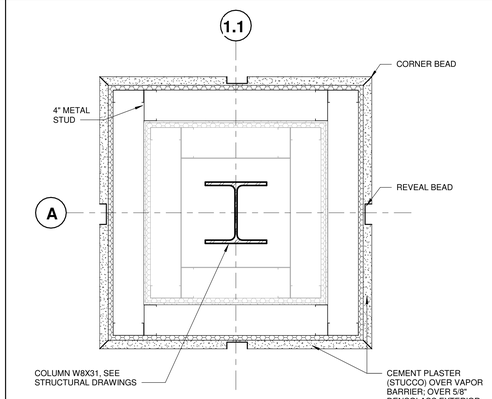
B5 RAIN LEADER DETAIL 4
1 1/2" = 1'-0"



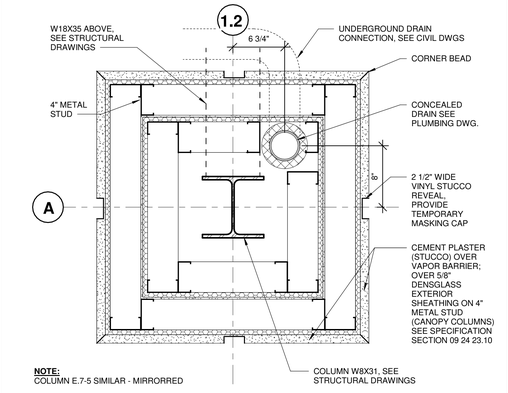
B7 RAIN LEADER DETAIL 3
1 1/2" = 1'-0"



D3 CORNER DETAIL 5
1 1/2" = 1'-0"

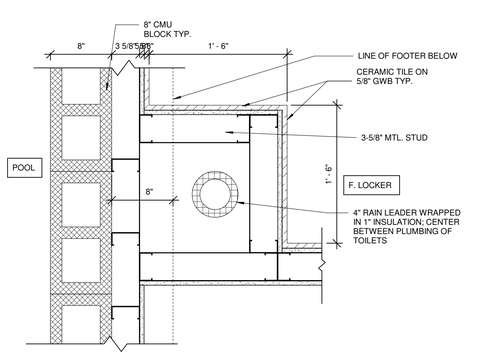


D4 CANOPY COLUMN - LOWER PORTION
1 1/2" = 1'-0"

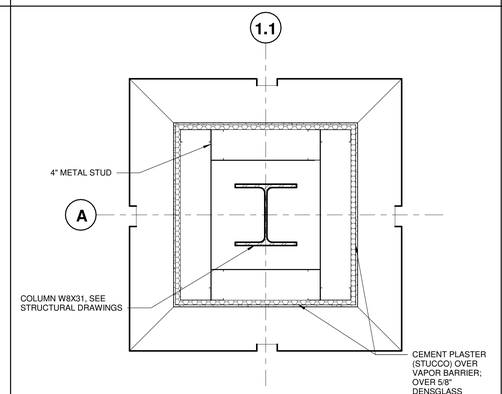


NOTE:
COLUMN E.7-5 SIMILAR - MIRRORRED

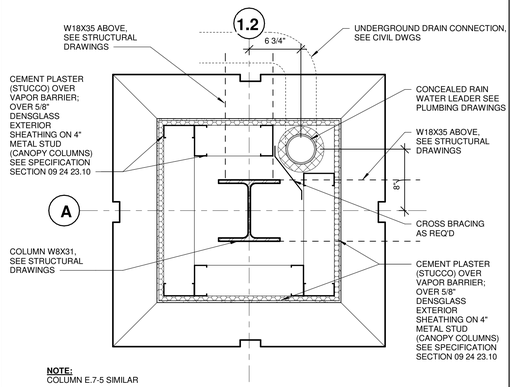
D5 CANOPY COLUMN - LOWER PORTION W/ ROOF DRAIN
1 1/2" = 1'-0"



D7 RAIN LEADER DETAIL 5
1 1/2" = 1'-0"

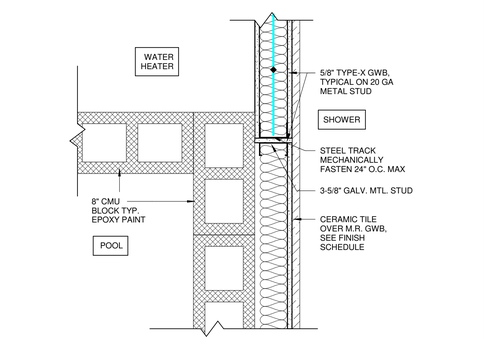


E4 CANOPY COLUMN - UPPER PORTION
1 1/2" = 1'-0"



NOTE:
COLUMN E.7-5 SIMILAR

E5 CANOPY COLUMN - UPPER PORTION W/ ROOF DRAIN
1 1/2" = 1'-0"



E7 FIRE WALL TO CORNER
1 1/2" = 1'-0"

Project Architect:
MBA
Mason Blau & Associates
4625 E Bay Drive, #228,
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AR0013034
T: 727.530.0570

Seal & Signature:

Robert H. Blau, AIA

Project Name:

JACKSON PHYSICAL THERAPY CENTER

Project Number: 24011
Project Location:

3030 Hospital Drive
Marianna, FL 32446

CONSTRUCTION DOCUMENTS
Issue Date: 4/17/2025

#	REVISIONS	
No.	Description	Date

Drawing Title:

ADDITIONAL DETAILS

Drawing Number:

A20-1

Drawn by: MBA
Checked by: RB
Scale: 1 1/2" = 1'-0"

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