

TYPICAL TWIN MODULAR SERVICES INC. ALUMINUM BUILDING SPECIFICATIONS:

**LOADS & CODES:**

DESIGN CODES:  
 2015 INTERNATIONAL BUILDING CODE  
 - (CHAPTER 16 - STRUCTURAL ONLY)  
 - (CHAPTER 24 - GLASS)  
 2014 NATIONAL ELECTRIC CODE

STRUCTURAL LOADS

RISK CATEGORY: II  
 FLOOR LIVE LOAD: 50 PSF  
 ROOF LIVE LOAD: \_\_\_ PSF  
 GROUND SNOW LOAD: \_\_\_ PSF  
 FLAT ROOF SNOW LOAD: \_\_\_ PSF  
 SNOW LOAD IMPORTANCE FACTOR: \_\_\_  
 SNOW THERMAL FACTOR: \_\_\_  
 SNOW EXPOSURE FACTOR: \_\_\_

WIND SPEED:  
 Vult: \_\_\_ MPH  
 Vasd: \_\_\_ MPH

WIND EXPOSURE: \_  
 INTERNAL PRESSURE COEFFICIENT: +/- \_\_\_  
 BUILDING ENCLOSED

SEISMIC IMPORTANCE FACTOR: \_\_\_  
 Ss = \_\_\_  
 S1 = \_\_\_  
 SITE CLASS: \_ (ASSUMED)  
 Sds = \_\_\_  
 Sd1 = \_\_\_  
 SEISMIC DESIGN CATEGORY: \_  
 SEISMIC FORCE RESISTING SYSTEM: LIGHT FRAME BEARING WALL SYSTEM  
 DESIGN SEISMIC LOAD = \_\_\_  
 R = \_  
 EQUIVALENT LATERAL FORCE PROCEDURE

- A. GENERAL: Pre-assemble building fabricated from low maintenance, lightweight corrosive resistant aluminum (factory fabricated). Building exterior shall have no exposed fasteners.
- 1 DIMENSIONS: 4'-0" wide x 6'-0" long, 90" interior ceiling height and 98 1/2" nominal outside height.
- 2 FRAME CONSTRUCTION: Provide structural framing of 6063-T6 aluminum alloy extrusions. Members shall have a White finish. Connections shall be fastened internally to framing systems using mechanical fasteners or MIG welded where necessary. Exposed fasteners on framing system are not acceptable.
- 3 BASE/FLOOR: Building shall be constructed on a 4" high steel angle base frame encapsulated with a protective undercoating paint. Floor shall be comprised of 1/8" aluminum tread plate finished floor.
- 4 WALL PANELS: Exterior shall be .032 White aluminum, 2 3/4" polyiso insulation (R-18) and .032 interior White aluminum. Overall thickness of panel shall be 3".
- 5 CEILING/ROOF: Roof shall be constructed using galvanized 20 ga, G-60 interlocking pan sections. Sections shall be 3" high with varying widths. Roof shall drain into full perimeter gutter system. Interior ceiling shall be a panel system providing smooth flat interior, constructed from 20 ga pre-finished white steel with 1" polyiso insulation (R-6.5) above.
- 6 WINDOWS: Fixed windows shall be single pane 1/4" clear tempered safety glass. (Qty-1) Sliding window shall have aluminum frame and 1/4" clear tempered safety glass, insect screen, and locking device. Glass shall be glazed within wall system extrusions and not be fastened to exterior wall. Glass sealed with concealed gasket system. Slide window frame same color as building.
- 7 DOOR: Sliding door shall be extruded aluminum frame, half glass (single pane 1/4" clear tempered safety glass), top hung style using an overhead track and heavy duty ball bearing nylon tires with steel hub. Door shall be supplied with mortise hook bolt lockset with removable cylinder. Door same color as building.
- 8 ELECTRICAL: Building shall be wired according to N.E.C. standards. Load center shall be 125 amp main lug, 120/240 volt unit with 6/12 open circuits. Wiring shall be within surface mounted EMT conduit, and included shall be (qty-1) GFI duplex receptacle with tester.
- 9 LIGHTING: Lighting shall be a 4' LED 40w light with pull type switch.
- 10 HEATER: Heater shall be a wall mount electric unit with fan forced operation, 1500w /5120 BTU, 120V and thermostat in an enamel coated 20 gauge steel cabinet.
- 11 AC: AC Thru-wall; 6,000 Cooling BTU/hr, 115 Volts, 12.1 E.E.R., digital remote control, auto air sweep swing louvers, 3 cool / 3 fan speeds, 4-way air flow control, auto-control and auto-restart, 24-hour timer.
- 12 COUNTER: Full width 24" deep by 3/4" white melamine work space counter. Supplied with counter top drop wire grommet(s).



REVISION STATUS OF SHEETS					
-	-	-	-	-	REV
5	4	3	2	1	SH

CERTIFICATION	



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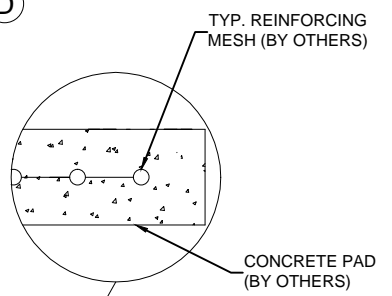
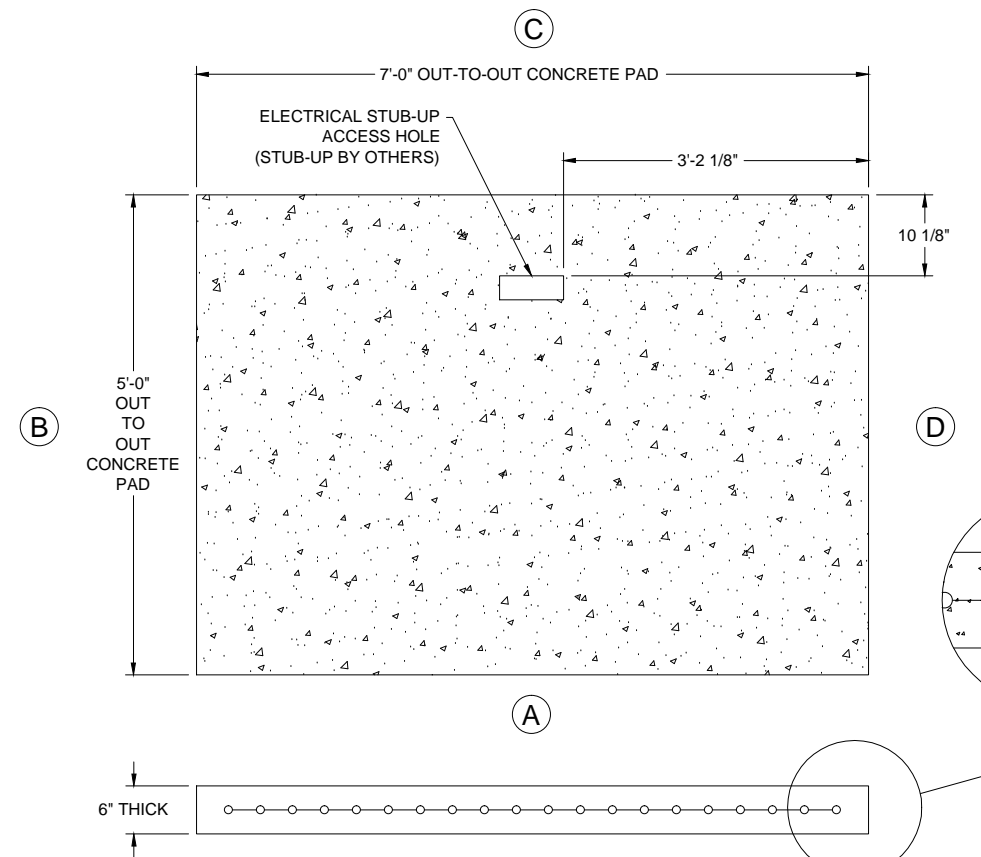
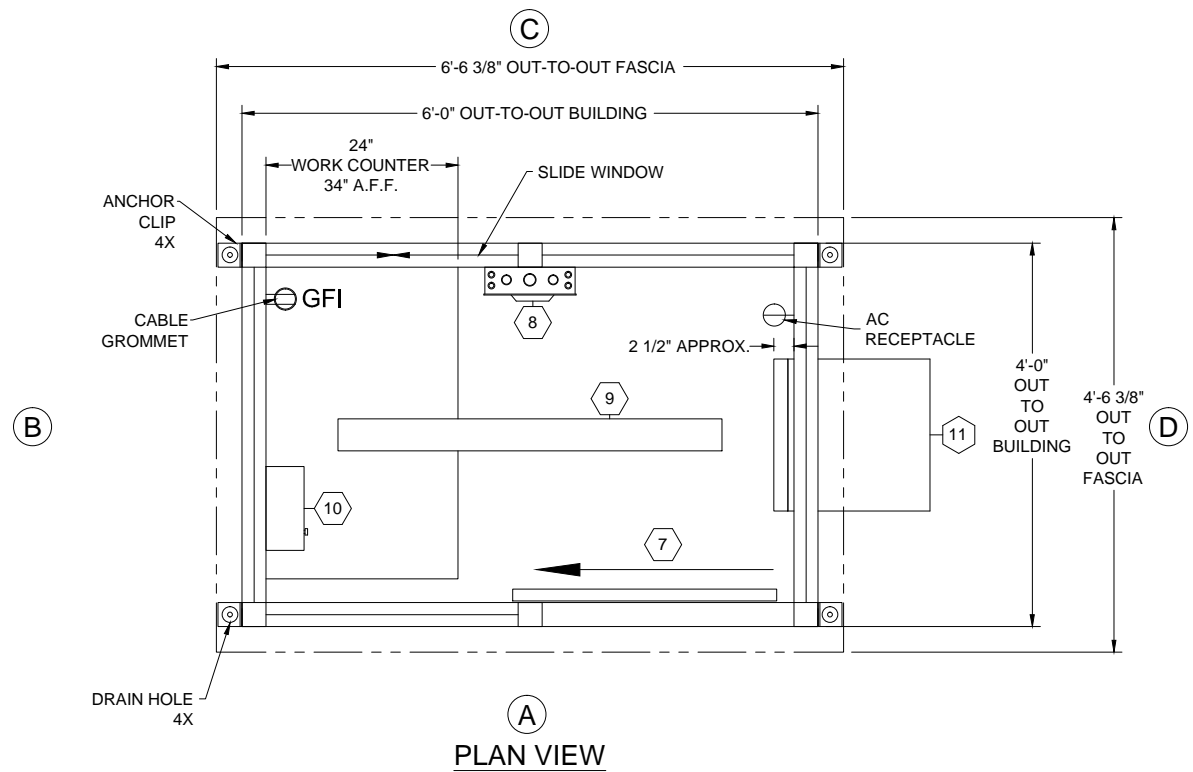
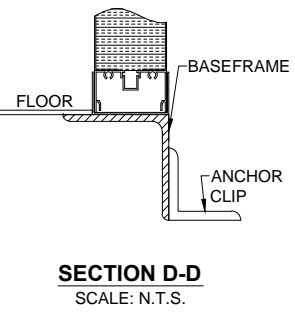
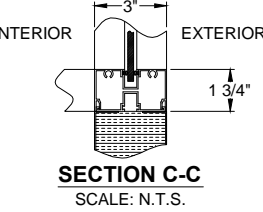
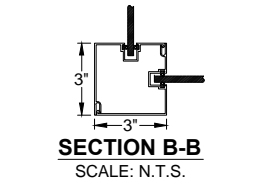
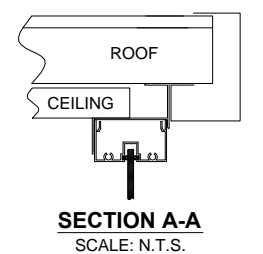
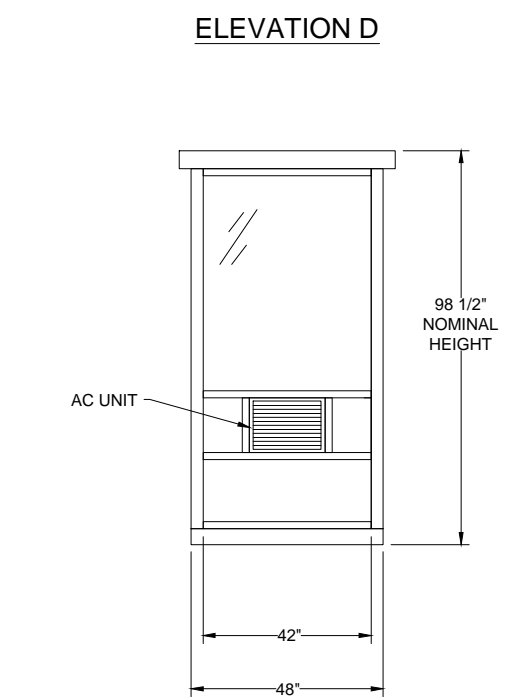
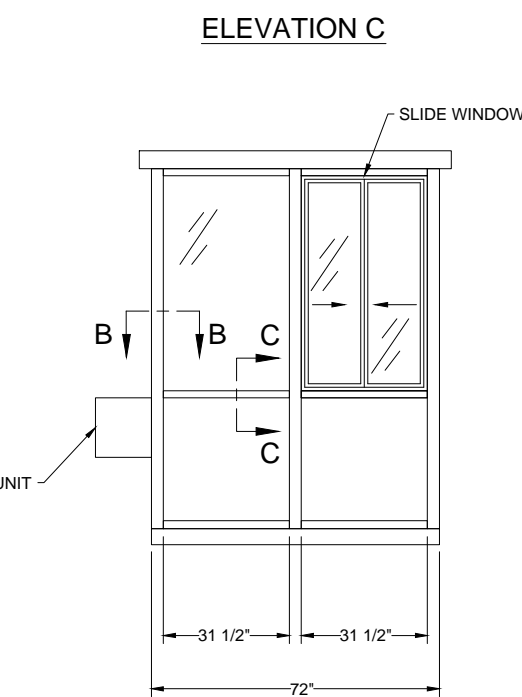
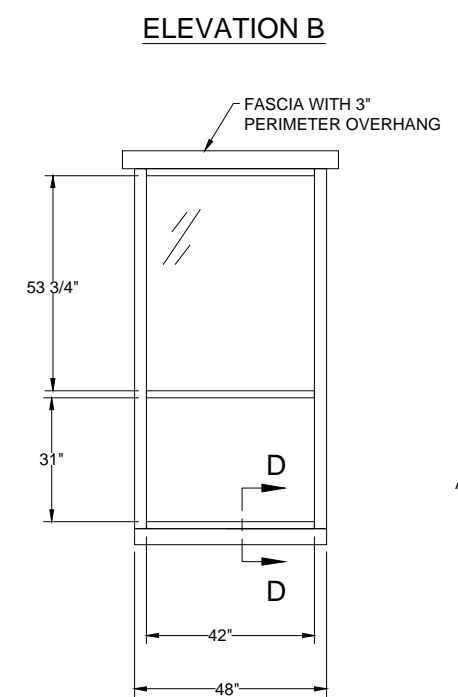
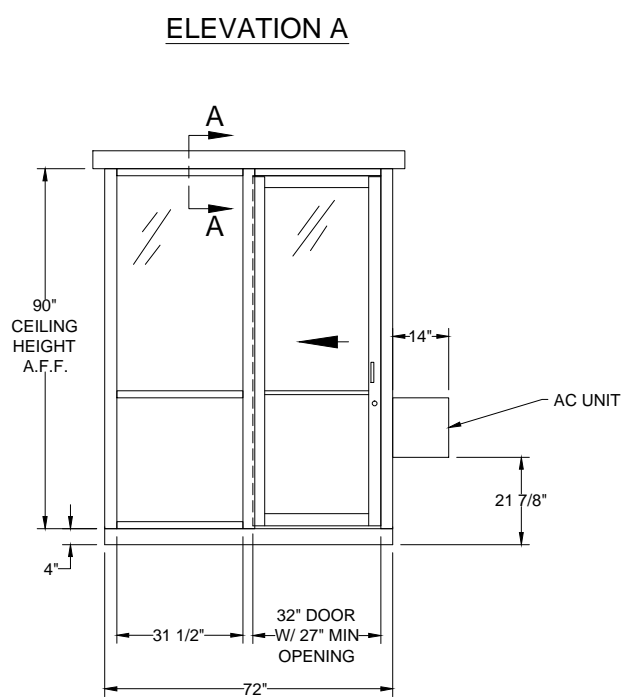
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JOB NO:	-
QUOTE NO:	
LOCATION:	TBD
MOD NO:	46GBALSD
COLOR:	SEE SPECIFICATIONS
DATE:	10.25.22
DRAWN BY:	CDA
SCALE:	NOT TO SCALE
SHEET:	1 OF 5

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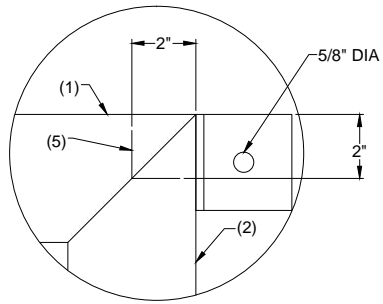


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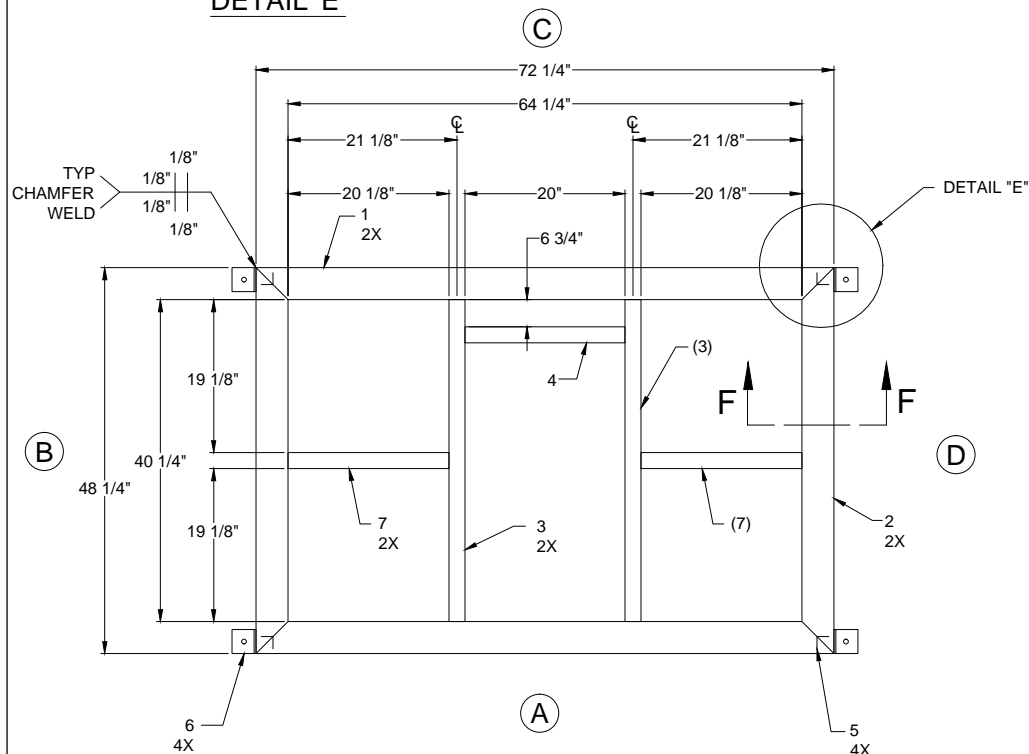
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DETAIL 'E'



BASE FRAME PLAN VIEW

NOTE:  
 - ALL WELDING PER WELD PROCEDURE SPECIFICATION #2 & #3.  
 - COLOR: CHASSIS SAVER WITH QUAKER BRONZE FINISH.

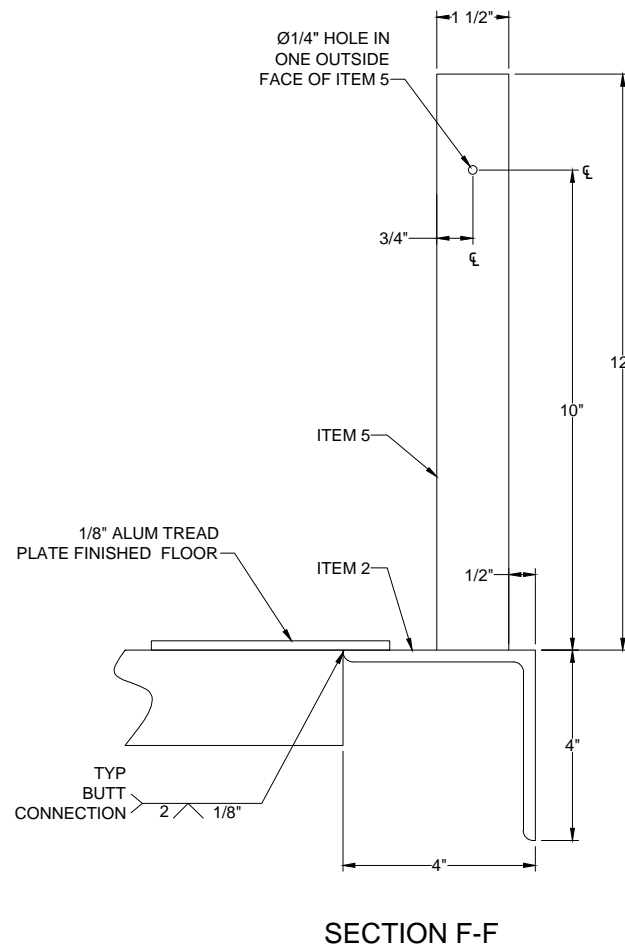
BASE FRAME CUT LIST			
ITEM	DESCRIPTION	LENGTH	QTY
1	4" X 4" X 1/4" STEEL ANGLE	72 1/4"	2
2	4" X 4" X 1/4" STEEL ANGLE	48 1/4"	2
3	2" X 2" X 1/8" STEEL ANGLE	40 1/4"	2
4	2" X 2" X 1/8" STEEL ANGLE	20"	1
5	1 1/2" X 1 1/2" X 1/8" STEEL ANGLE	12"	4
6	3" X 3" X 3/8" STEEL ANGLE ANCHOR	3"	4
7	2" X 2" X 1/8" STEEL ANGLE	20 1/8"	2

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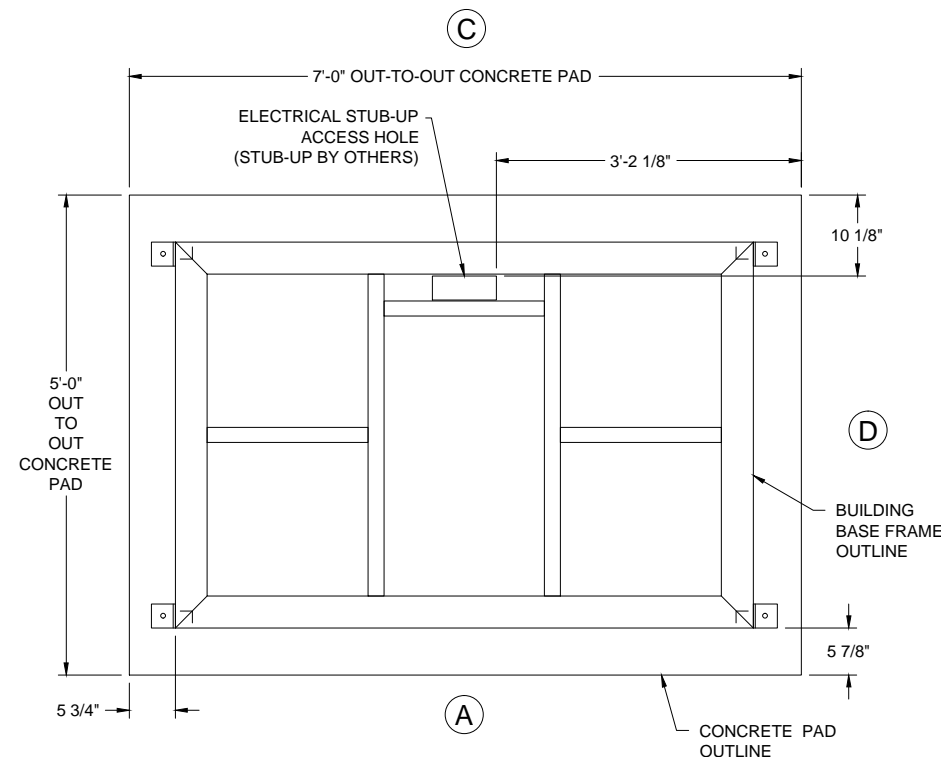
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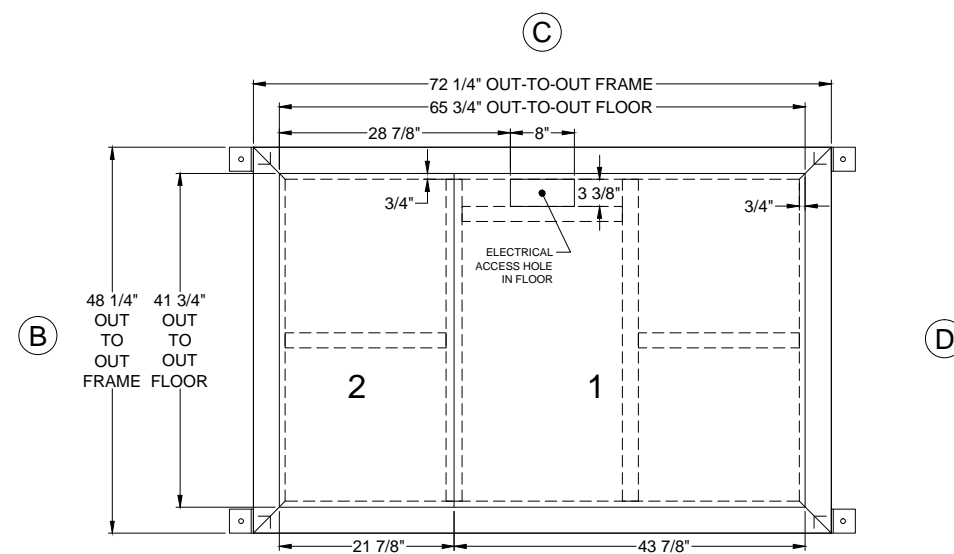
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SECTION F-F



BUILDING BASE FRAME & CONCRETE PAD (OVERLAY)



FLOOR LAYOUT

FLOOR PLATE		
ITEM NO.	DESCRIPTION	QTY.
1	41 3/4" X 43 7/8" X .125 ALUMINUM TREAD PLATE	1
2	41 3/4" X 21 7/8" X .125 ALUMINUM TREAD PLATE	1

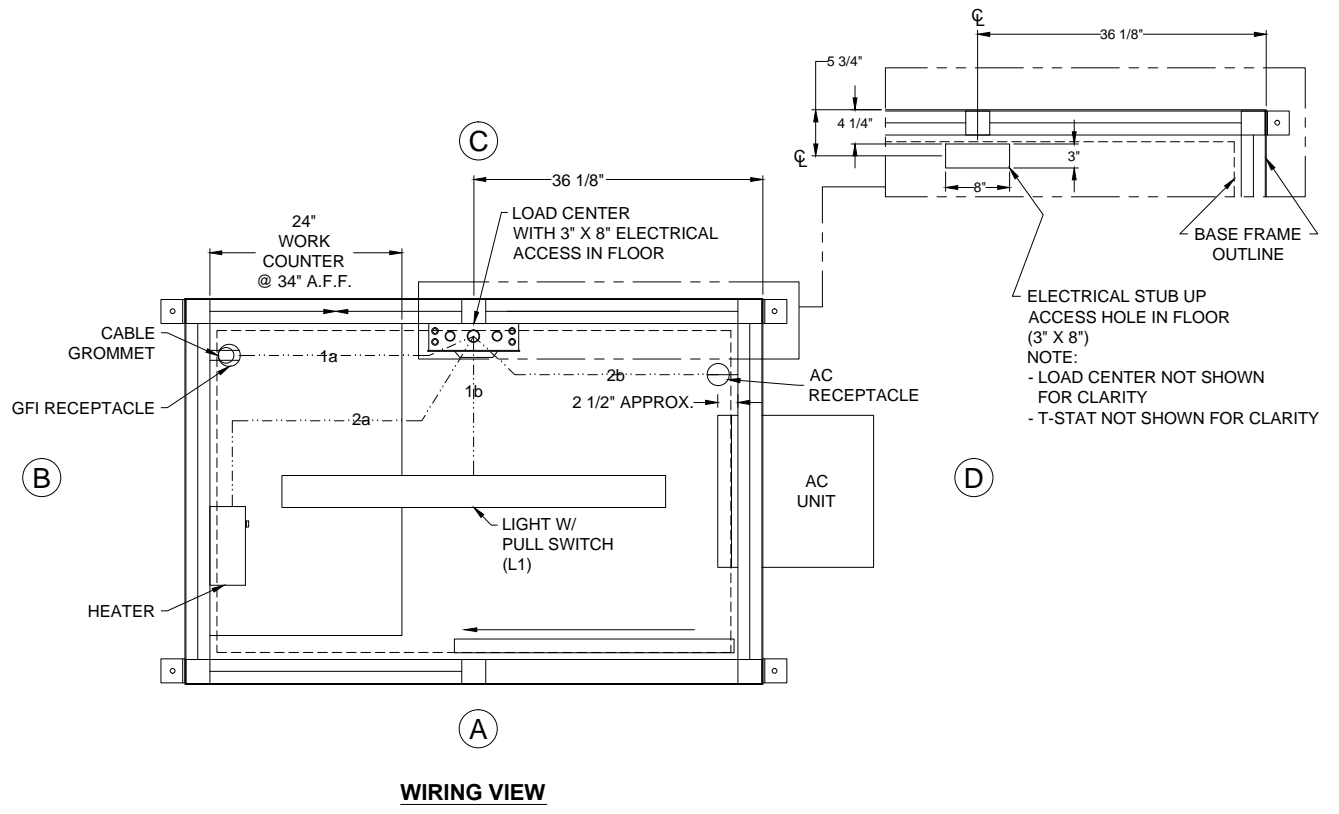
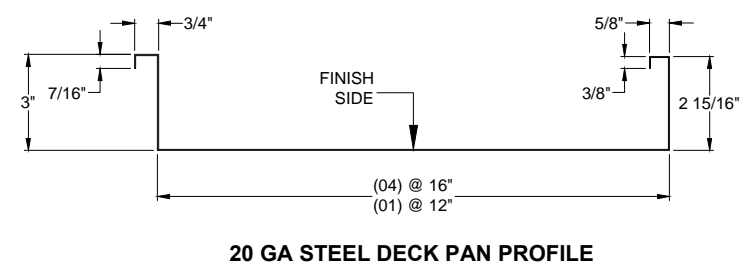
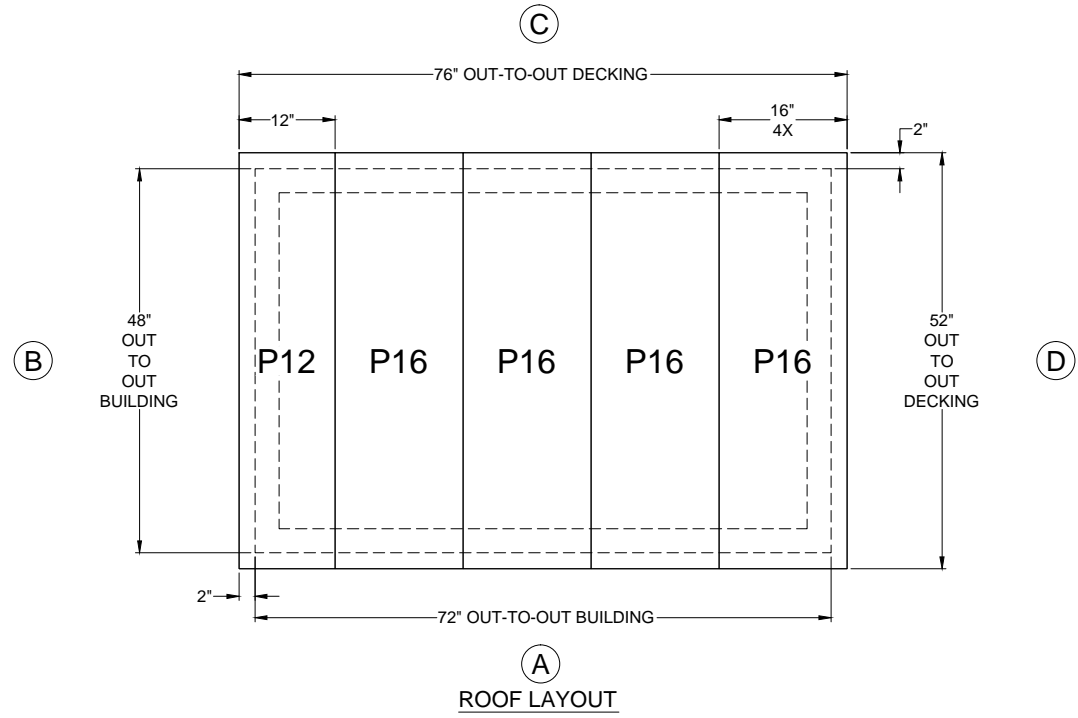
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SINGLE PHASE, 3 WIRE, 125 AMP MAIN LUG, 120/240 VOLT LOAD CENTER			
CIRCUIT NUMBER	ELECTRICAL COMPONENT		CIRCUIT NUMBER
1a	GFI RECEPTACLE - 20A	HEATER - 20A	2a
1b	L1 - 20A	AC RECEPTACLE - 20A	2b
3a	SPACE	SPACE	4a
3b	SPACE	SPACE	4b
5a	SPACE	DO NOT USE	6a
5b	SPACE		6b
7a	SPACE		8a
7b	SPACE		8b

ALL CIRCUITS WILL BE WIRED WITH #12 AWG STRANDED 600V THHN INSULATED WIRE WITHIN 1/2"Ø EMT CONDUIT

**NOTES:**  
 - LOAD CENTER AND GFI RECEPTACLE SHALL BE LOCATED AT 18" A.F.F.  
 - HEATER AND GFI RECEPTACLE SHALL BE BELOW COUNTER

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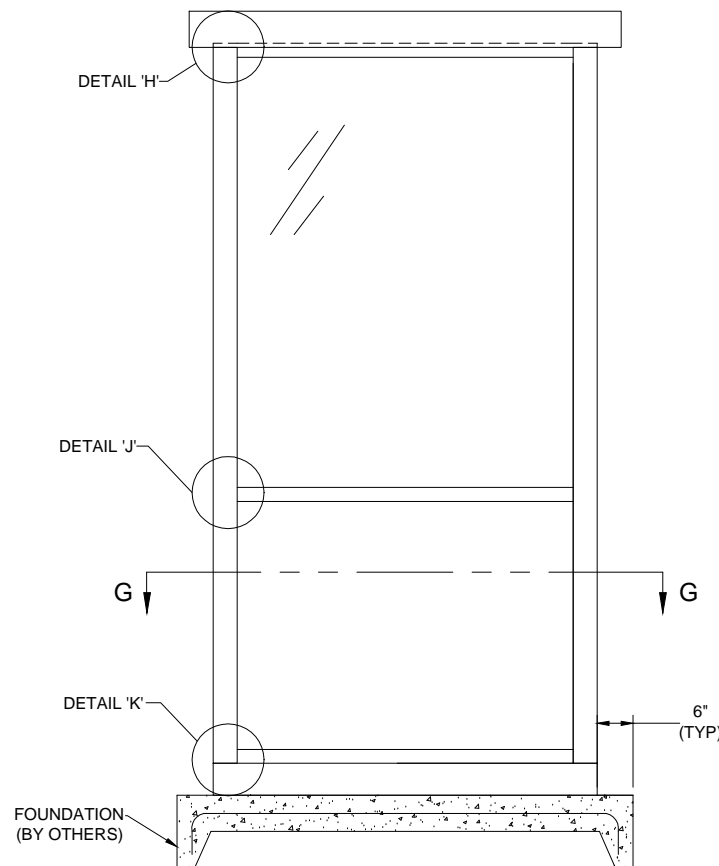


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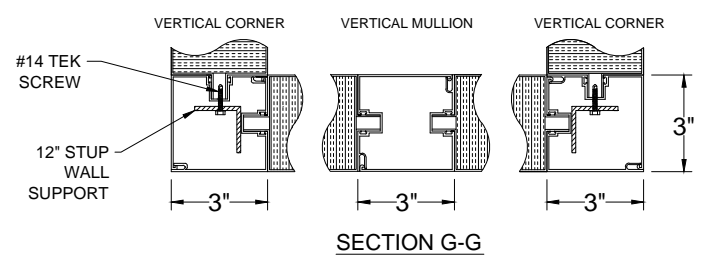
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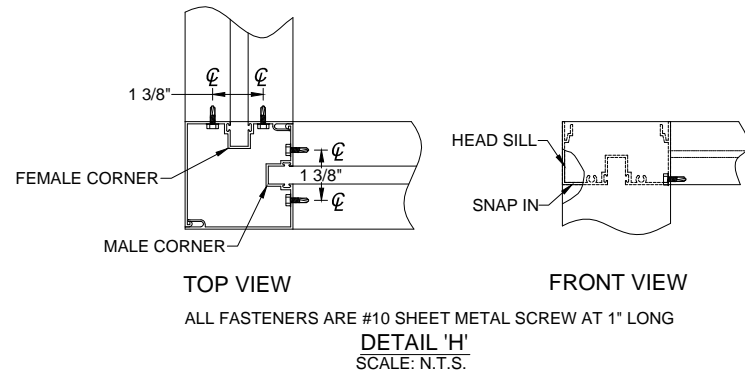
**ELEVATION B**



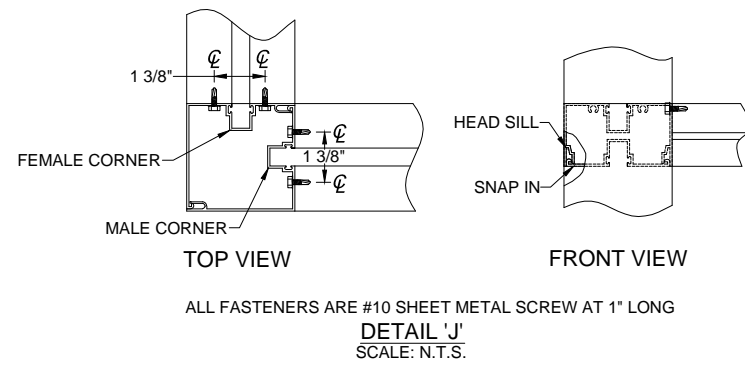
NOTE: DEAD LOAD OF BUILDING ON FOUNDATION \_\_\_ LBS PER LINEAR FOOT CONTINUOUS LOAD AT PERIMETER OF BUILDING.



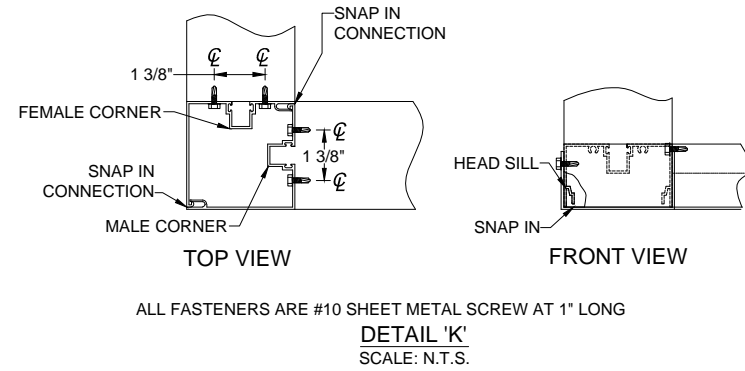
**SECTION G-G**



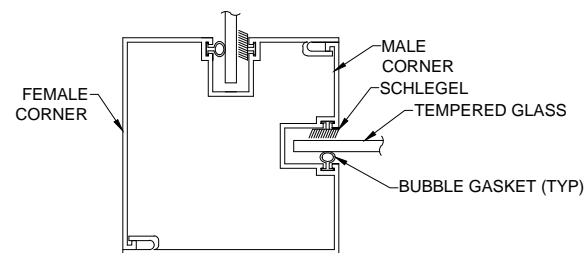
**DETAIL 'H'**  
SCALE: N.T.S.  
ALL FASTENERS ARE #10 SHEET METAL SCREW AT 1" LONG



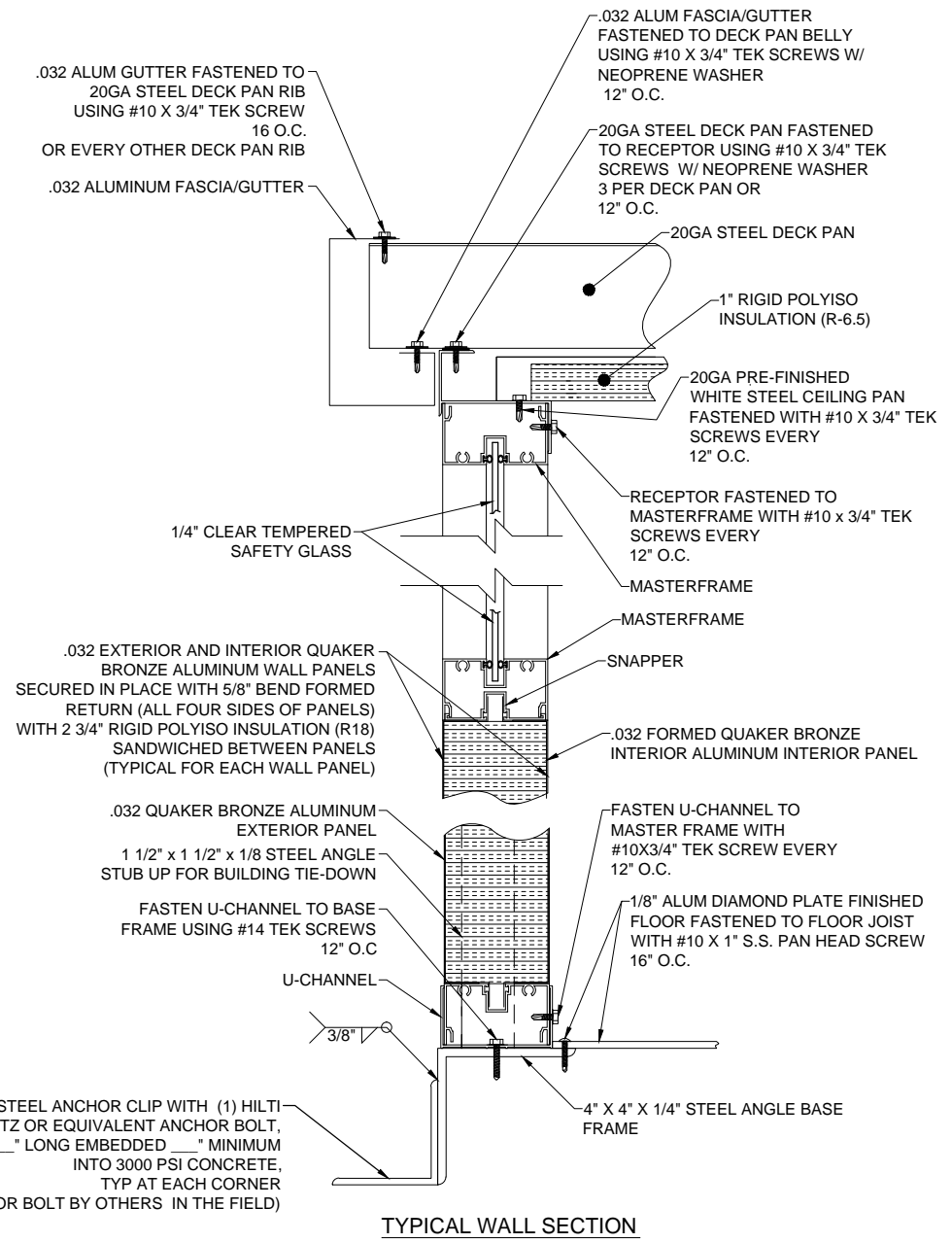
**DETAIL 'J'**  
SCALE: N.T.S.  
ALL FASTENERS ARE #10 SHEET METAL SCREW AT 1" LONG



**DETAIL 'K'**  
SCALE: N.T.S.  
ALL FASTENERS ARE #10 SHEET METAL SCREW AT 1" LONG



**CORNER POST DETAIL**



**TYPICAL WALL SECTION**

3" x 3" x 3/8" STEEL ANCHOR CLIP WITH (1) HILTI KWIK BOLT TZ OR EQUIVALENT ANCHOR BOLT, 1/2" DIA X \_\_\_" LONG EMBEDDED \_\_\_" MINIMUM INTO 3000 PSI CONCRETE, TYP AT EACH CORNER (ANCHOR BOLT BY OTHERS IN THE FIELD)

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