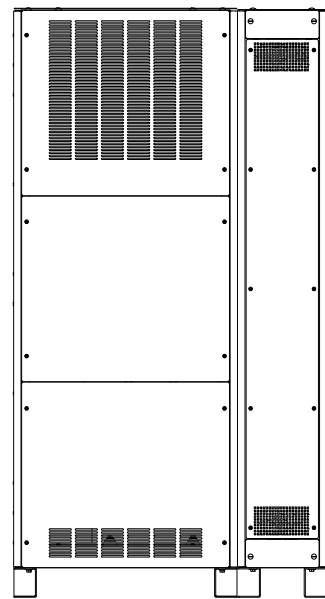
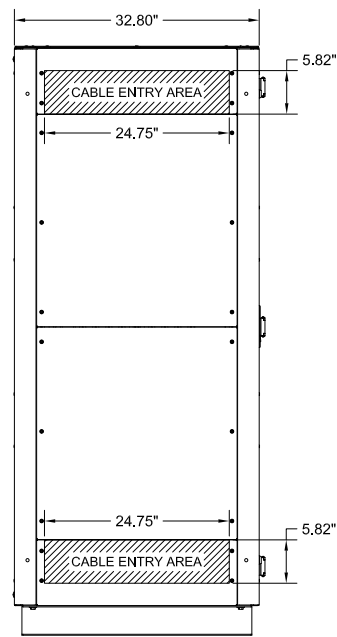


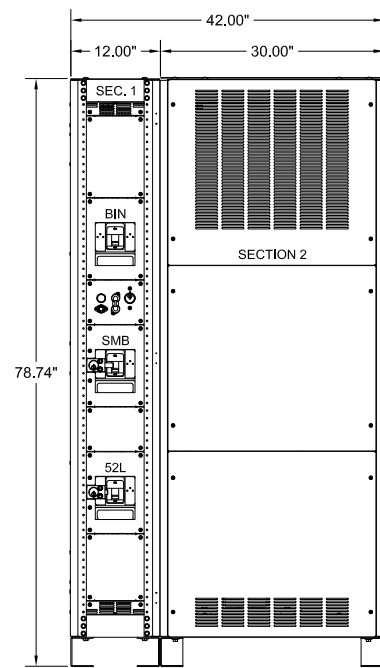
TOP VIEW



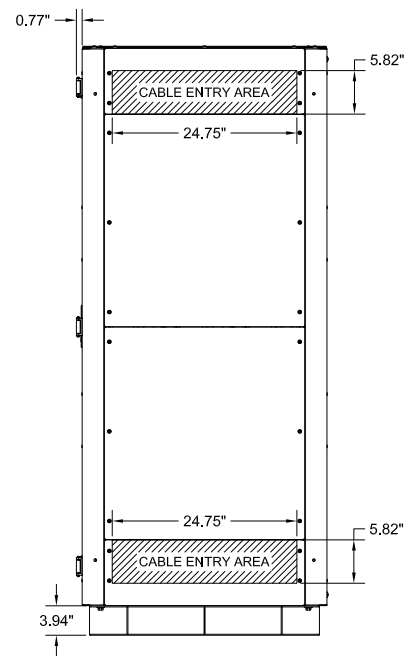
REAR VIEW



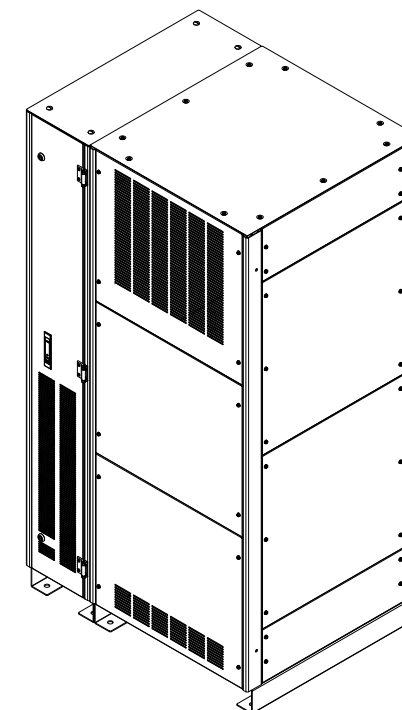
LEFT SIDE VIEW



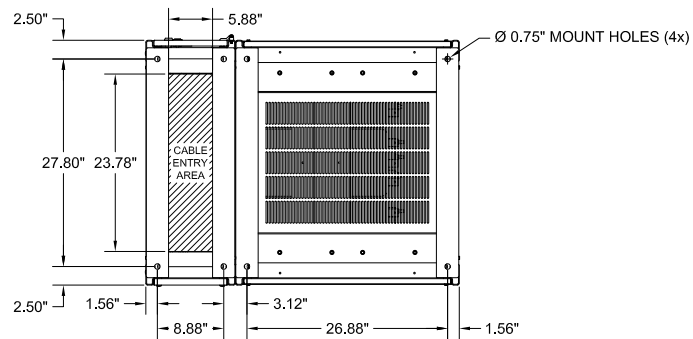
FRONT VIEW
(DOOR REMOVED)



RIGHT SIDE VIEW



ISOMETRIC VIEW



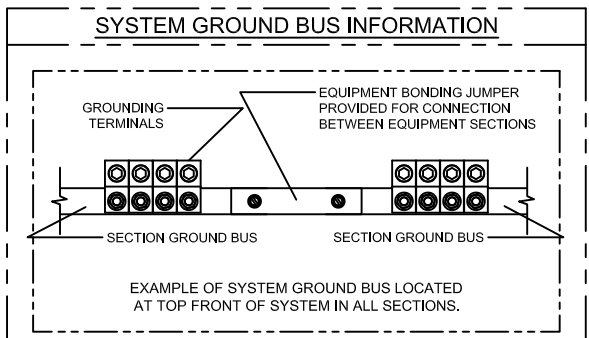
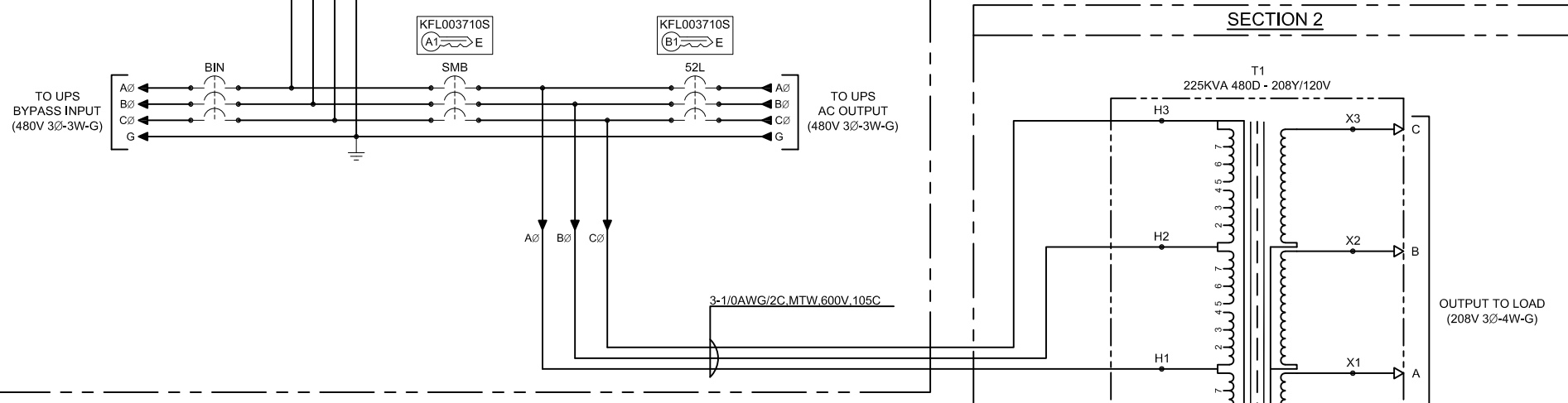
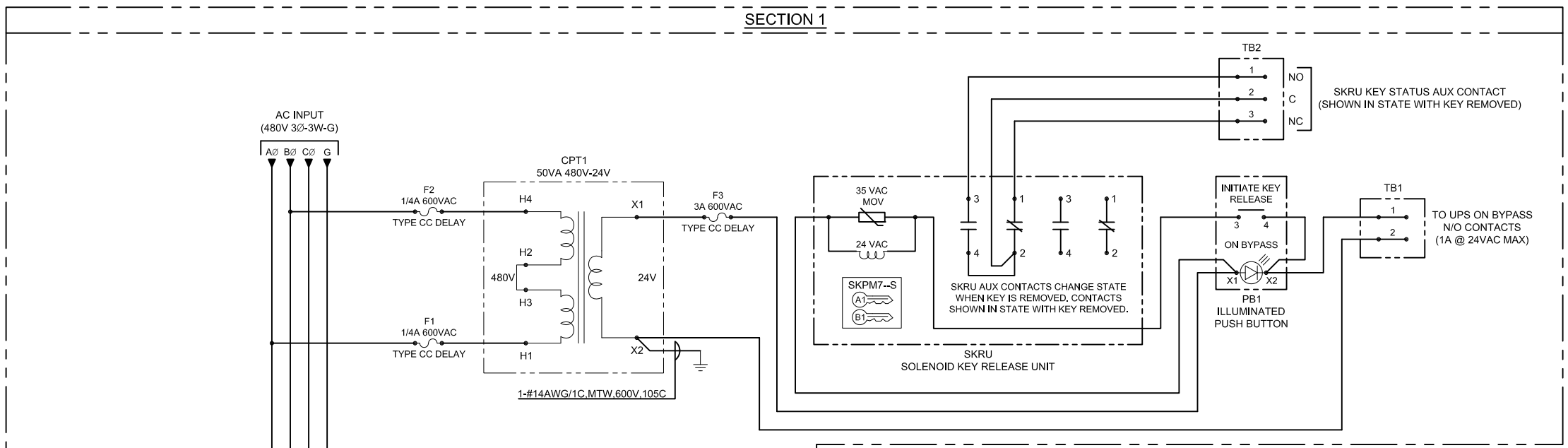
BOTTOM VIEW

- NOTES:
1. APPROXIMATE WEIGHT: 2250 LBS.
 2. ASSEMBLY IS UL/CUL LISTED TO UL 891 AND C22.2 NO. 244.
 3. NEMA 1 TYPE ENCLOSURES.
 4. THE CABINETS ARE CONSTRUCTED FROM GALVANIZED STEEL.
 5. THE CABINETS ARE TO BE MOUNTED THROUGH THE 0.750" HOLES IN THE CABINET LEGS. THE LEGS ARE FORMED FROM 10 GAUGE STEEL.
 6. FINISH IS POWDER COAT ON ALL EXTERNAL AND VISIBLE SURFACES. INTERIOR PANELS AND MOUNT BRACKETS ARE GALVANIZED FINISH.
 7. A MINIMUM CLEARANCE OF 36" IS REQUIRED AT THE FRONT OF THE CABINET.
 8. A MINIMUM REAR CLEARANCE OF 6" IS REQUIRED FOR OPTIMAL COOLING OF THE EQUIPMENT.

REVISIONS	DWG. No.	INCHES	SCALE:	NTS	DRAFTER:	DATE	MITSUBISHI ELECTRIC POWER PRODUCTS, INC. WARRENDALE, PA.	
					MTS	10/1/2025		
					CHECKED:	DATE		
					PB	10/2/2025		
				ENGINEER:	DATE	TITLE: 90845 SERIES MAINTENANCE BYPASS CABINET WITH TRANSFORMER, 225KVA 3 BREAKER BYPASS WITH SKRU, 480D-208Y/120V OUTPUT TRANSFORMER		
				APPROVED:	DATE			
				--	--/--/--			
						DWG No.	SHEET 1 OF 2	REV:
						90845-M-225KVA-480D-208Y-C42-SD01-1		2

TRANSFORMER RATINGS								
LOCATION	KVA	PRIMARY VOLTAGE	SECONDARY VOLTAGE	FREQUENCY	MATERIAL	TEMP RISE	K FACTOR	EFFICIENCY
T1	225	480	208Y/120	60 HZ	CU	150°C	K13	DOE-2016

CIRCUIT BREAKER OPTIONS			
TRIP SIZE	TRIP TYPE	AIC @ 480V	WIRE RANGE
350A	TMAG (80%)	35K OR 65K	(1) 250 - 500



- NOTES:**
- SECTION 1 MECHANICAL LUGS USED FOR "AC INPUT" HAVE THE SAME WIRE RANGE AS THE CIRCUIT BREAKER.
 - SECTION 1 ALL INTERNAL CONNECTIONS BETWEEN CIRCUIT BREAKERS ARE MADE USING COPPER BUS BARS.
 - SECTION 1 VOLTAGE BETWEEN THE AØ AND BØ MUST BE 480V±10% FOR THE SKRU CIRCUIT TO FUNCTION PROPERLY.
 - SECTION 2 TRANSFORMER IS PROVIDED WITH BUS BARS FOR X1, X2 AND X3 WITH (1) TWO HOLE LANDING ON 1-3/4" CENTERS TO ACCEPT Ø1/2" BOLTS. WILL ACCEPT UP TO (2) TWO HOLE COMPRESSION LUGS IN BACK TO BACK CONFIGURATION PER LANDING.
 - SECTION 2 TRANSFORMER IS PROVIDED WITH A BUS BAR FOR X0 WITH (4) TWO HOLE LANDINGS ON 1-3/4" CENTERS TO ACCEPT Ø1/2" BOLTS. WILL ACCEPT UP TO (2) TWO HOLE COMPRESSION LUGS IN BACK TO BACK CONFIGURATION PER LANDING.
 - ALL THREE PHASE POWER CONNECTIONS BETWEEN EQUIPMENT SECTIONS ARE COMPLETED WITH CABLE JUMPERS PROVIDED BY THE EQUIPMENT MANUFACTURER AND WIRED AT THE FACTORY.
 - AC INPUT CABLES, TO UPS CABLES AND OUTPUT TO LOAD CABLES ARE PROVIDED BY OTHERS.
 - TERMINAL BLOCKS ARE UL/CUL RECOGNIZED 600V 20A RATED. WIRE RANGE IS 22-12AWG.
 - THIS DRAWING IS TO BE USED FOR ELECTRICAL PURPOSES ONLY AND DOES NOT REPRESENT THE ACTUAL MECHANICAL LAYOUT OF THE EQUIPMENT.
 - REFER TO OPERATION PROCEDURE AE-ENP00032.

- KIRK KEY NOTES:**
- THE "E" OR "W" NEXT TO THE INTERLOCK INDICATES THE POSITION OF THE INTERLOCK BOLT WHEN THE KEY IS REMOVABLE. "E" = EXTENDED AND "W" = WITHDRAWN.
 - THE KEY OR KEYS NEXT TO THE INTERLOCK INDICATES THE KEY NUMBER THAT FUNCTIONS WITH THE INTERLOCK.

REVISIONS

DWG. No.	INCHES	SCALE:	NTS	DRAFTER:	DATE	<p>MITSUBISHI ELECTRIC POWER PRODUCTS, INC. WARRENDALE, PA.</p> <p>TITLE: 90845 SERIES MAINTENANCE BYPASS CABINET WITH TRANSFORMER, 225KVA 3 BREAKER BYPASS WITH SKRU, 480D-208Y/120V OUTPUT TRANSFORMER</p> <p>DWG No. SHEET 2 OF 2</p>
PROJECT No.				MTS	9/29/2025	
				PB	10/2/2025	
REF. DWG. No.						REV: 2
FILE LOCATION:						