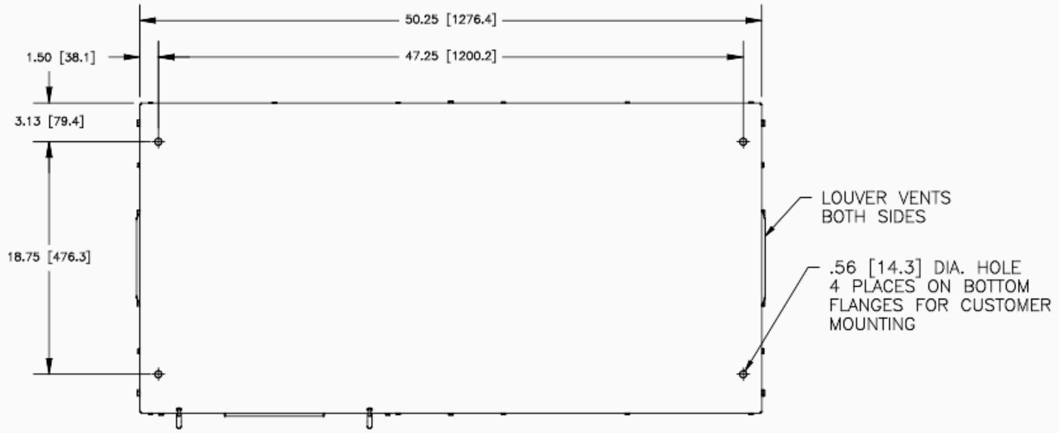
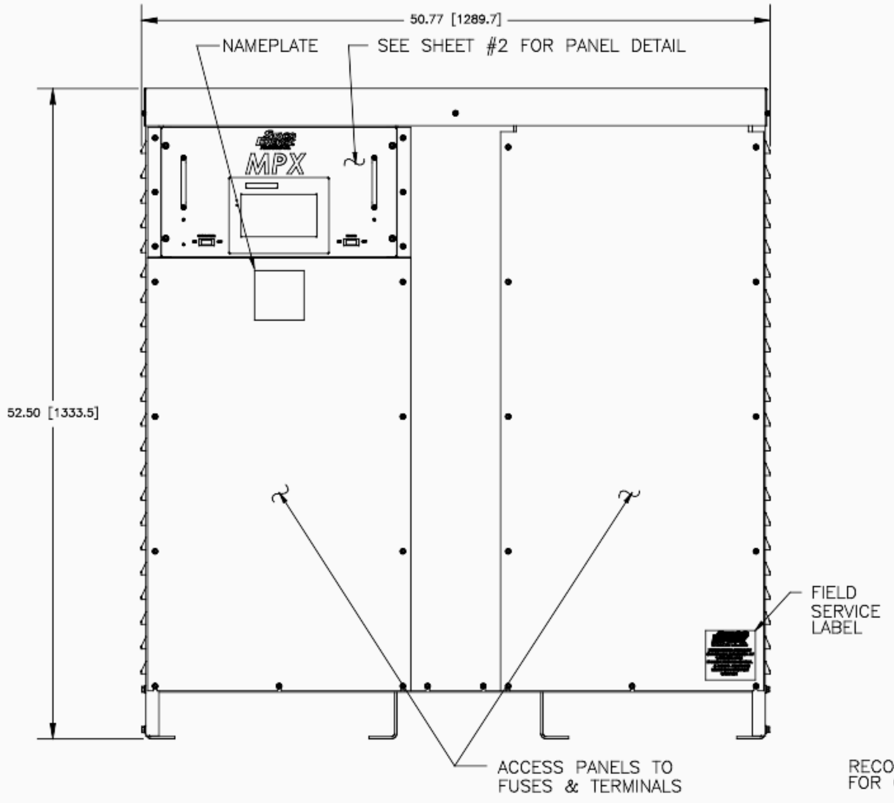
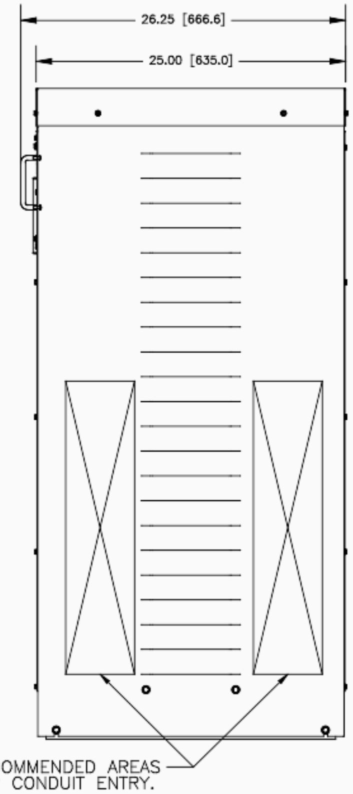



50.77 [1289.7]
NAMEPLATE
SEE SHEET #2 FOR PANEL DETAIL
MPX
52.50 [1333.5]
FIELD SERVICE LABEL
ACCESS PANELS TO FUSES & TERMINALS



CONTROLS:

MPX CONTROLLER: THE TERMINAL IS PROVIDED FOR LOCAL CONTROL OF THE UNIT WITH AN INTERACTIVE TOUCHSCREEN DISPLAY FOR PRECISION OUTPUT VOLTAGE READINGS AND REGULATION. SEE THE MPX USER'S HANDBOOK (FORM #003-2753) FOR DETAILED INFORMATION ON EXPANDED AUTOMATION CAPABILITIES.

CONTROLLER ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER TO THE MICROPROCESSOR CONTROLLER ONLY.

MOTOR ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER FROM THE MICROPROCESSOR TO EACH OF THE AUTOTRANSFORMER MOTORS.

RAISE/LOWER SWITCHES: THESE SWITCHES ARE LOCATED INTERNALLY AND ARE ACCESSIBLE FROM THE FRONT VIA THE REMOVABLE ACCESS PANEL. THE SWITCHES ALLOW FOR EACH PHASE OF THE VARIABLE TRANSFORMER TO BE MANUALLY CONTROLLED INDIVIDUALLY.

WIRE RANGES FOR CUSTOMER WIRING:

INPUT/OUTPUT TERMINALS: (2) (#2/0-14 AWG) COMPRESSION PER PHASE GROUND TERMINAL: (1) (#2/0-14 AWG) COMPRESSION

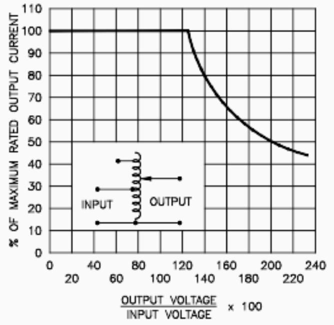


FIGURE A

MAXIMUM OUTPUT CURRENT OF ANY
DUAL INPUT VOLTAGE OR VOLTAGE DOUBLER
UNIT OPERATED AT LOWER INPUT VOLTAGE.

# MAXIMUM OUTPUT CURRENT IN OUTPUT VOLTAGE RANGE FROM 0 TO 25% ABOVE LINE VOLTAGE. AT HIGHER OUTPUT VOLTAGES, OUTPUT CURRENT MUST BE REDUCED ACCORDING TO RATING CURVE, FIGURE A.

++ MAXIMUM KVA AT MAXIMUM OUTPUT AND CORRESPONDING DE-RATED CURRENT. MAXIMUM KVA AT LOWER OUTPUT VOLTAGES MAY BE CALCULATED FROM RATING CURVE, FIGURE A.

V.D. = VOLTAGE DOUBLER.

SPECIFICATIONS

WIRING	INPUT		OUTPUT			SHAFT ROTATION FOR VOLTAGE INCREASE	TERMINAL CONNECTIONS FOR INCREASING VOLTAGE AS VIEWED FROM TOP	
	VOLTS	HERTZ	VOLTS	CONSTANT CURRENT LOAD				
				MAX. AMPS	MAX. KVA		INPUT	OUTPUT
THREE PHASE WYE	480/277	50/60	0-480	175	145	CW	4-4-4	D-D-D
		60	0-560	175	171	CW	2-2-2	D-D-D
	400/230	50	0-480	175	145	CW	2-2-2	D-D-D
	240	60	0-560	175#-75 V.D.	72.7++	CW	5-5-5	D-D-D

DWG. SIZE	DWG. NO.		
D	032-8604		
REVISIONS			
SYM.	E.C.O.	DATE	APVD.
A	RELEASED TO PRODUCTION		

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±
DECIMALS .XX .XXX HOLES ANGLES 1° DRAFT 1-1/2°

UNITS IN [mm]

MATERIAL:

ALL DIMENSIONS APPLY AFTER PLATING

The information and design disclosed herein was originated by and is the property of STACO ENERGY PRODUCTS CO., which reserves all patent, proprietary, design, manufacturing, reproduction, use and sale rights thereto, and to any article disclosed therein except to the extent rights are expressly granted to others. The foregoing does not apply to vendor proprietary parts.

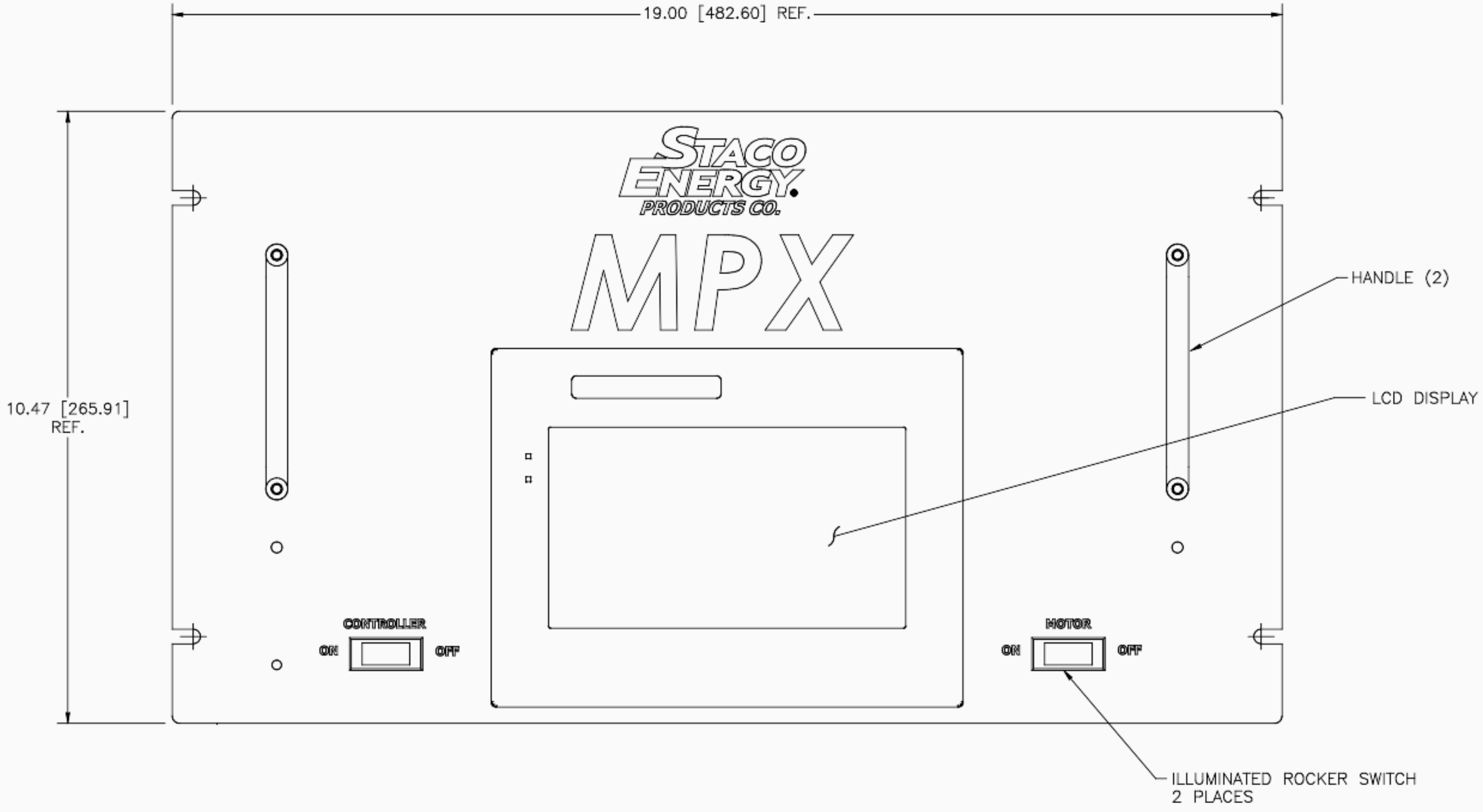
TITLE: SPEC. CONTROL DRAWING VARIABLE TRANSFORMER MX15M6020E-15Y-IPC

DRAWN BY BER	DATE 1/15/26	FIRST USED ON	DO NOT SCALE DWG.
CHECKER L.BRAGG	DATE 2/17/2026	WEIGHT APPROX.	CAGE CODE 83008
ENGINEER L.BRAGG	DATE 2/17/2026	SCALE 1/8	SHEET 1 OF 2

STACO ENERGY PRODUCTS CO.

DWG. SIZE D DWG. NO. 032-8604

DWG. SIZE	DWG. NO.		
D	032-8604		
REVISIONS			
SYM.	E.C.O.	DATE	APVD.
A		1/15/26 RELEASED	



UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ± DECIMALS .XX .010 .XXX .005 HOLES .005 ANGLES 1° DRAFT 1-1/2°	UNITS IN [mm]	TITLE: SPEC. CONTROL DRAWING VARIABLE TRANSFORMER MX15M6020E-15Y-IPC			STACO ENERGY PRODUCTS CO.
MATERIAL:	ALL DIMENSIONS APPLY AFTER PLATING				
The information and design disclosed herein was originated by and is the property of STACO ENERGY PRODUCTS CO., which reserves all patent, proprietary, design, manufacturing, reproduction, use and sale rights thereto, and to any article disclosed therein except to the extent rights are expressly granted to others. The foregoing does not apply to vendor proprietary parts.	DRAWN BY BER	DATE 1/15/26	FIRST USED ON	DO NOT SCALE DWG.	
	CHECKER L.BRAGG	DATE 1/19/2026	WEIGHT APPROX.	CAGE CODE 83008	DWG. SIZE D
	ENGINEER L.BRAGG	DATE 1/19/2026	SCALE 1=2	SHEET 2 OF 2	DWG. NO. 032-8604