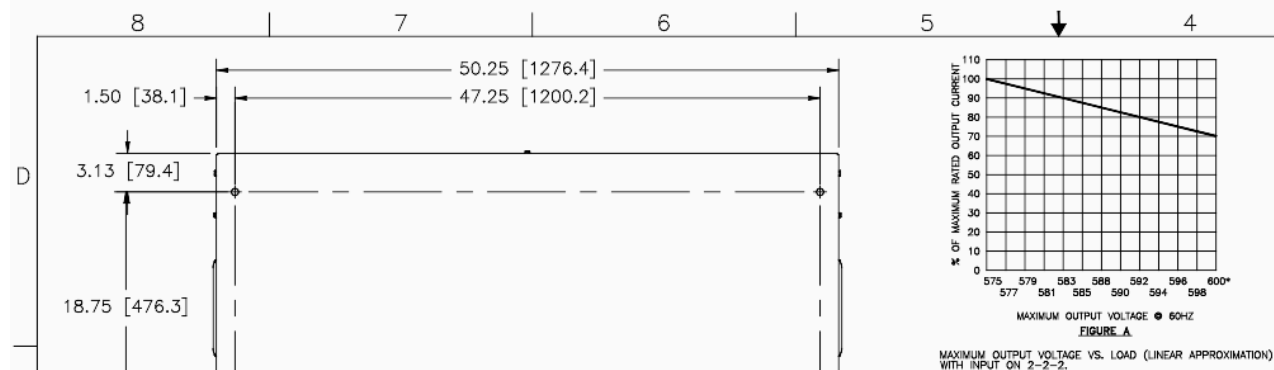
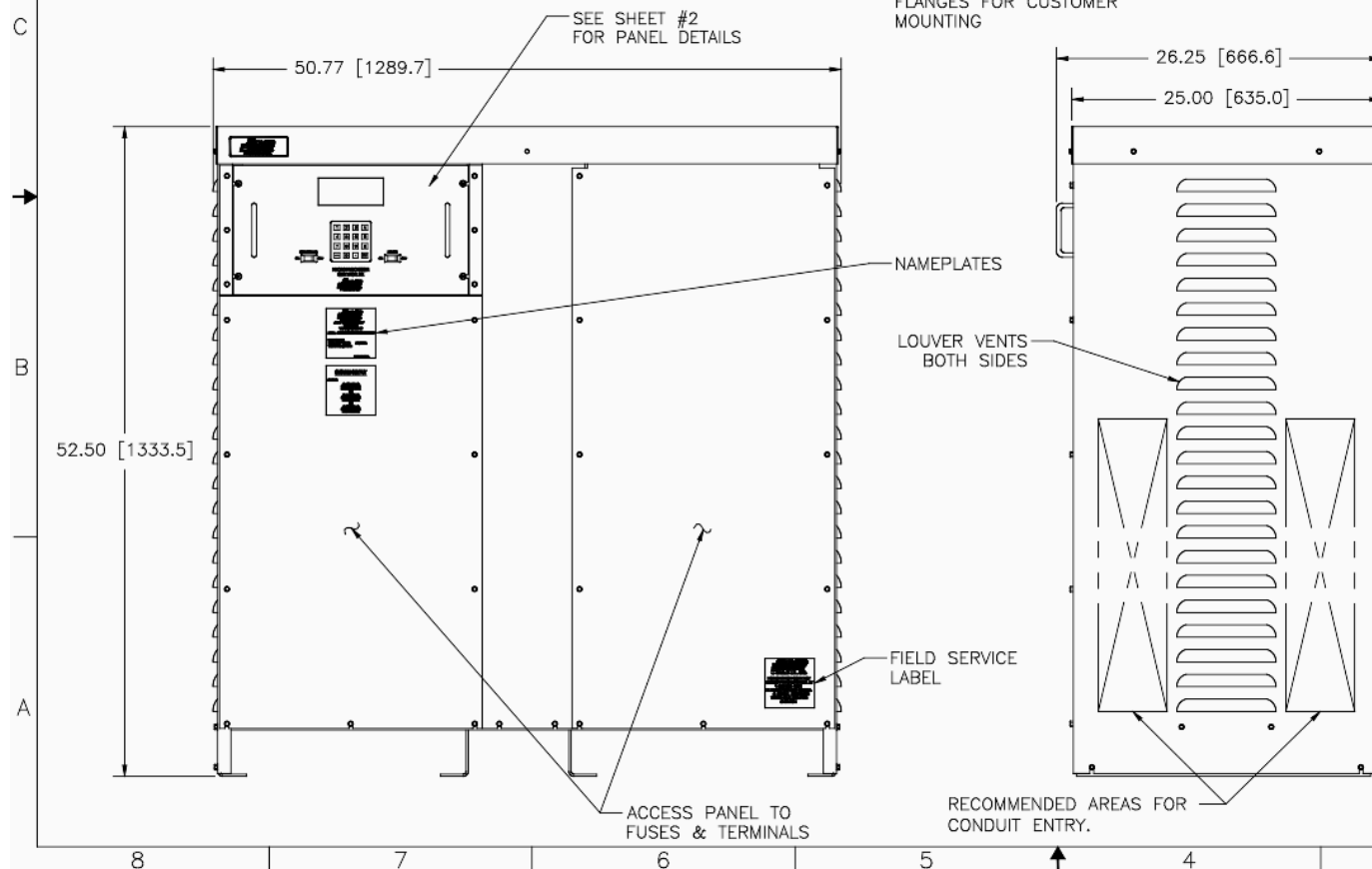


DWG. NO. B	DWG. NO. 032-8603		
REVISIONS			
S/N	E.O.	DATE	APPROV.
A	RELEASED TO PRODUCTION		



THE MICROPROCESSOR (MP) CONTROLLED VARIABLE TRANSFORMER (MV) COMPRISES A MOTOR DRIVEN AUTOTRANSFORMER AND A MANUAL RAISE/LOWER SWITCH. THE MP CONTROLLER AUTOMATICALLY POSITIONS THE AUTOTRANSFORMER TO HOLD THE OUTPUT CONSTANT. A RS-232 INTERFACE IS PROVIDED ALONG WITH THE "S" OPTION FOR PROCESS CONTROL SET POINT.

SPECIFICATIONS:	
WAVEFORM DISTORTION	— — — — — ZERO ADDED
FREQUENCY RANGE	— — — — — 47Hz TO 63Hz
OUTPUT REGULATION	— — — — — $\pm 1\%$
CONTROL BAND (USER SELECTABLE)	* $\pm 0.5V, \pm 1.0V, \pm 2.0V, \pm 4.0V$
INTERNAL IMPEDANCE	— — — — — LESS THAN 1%
PHASE SHIFT	— — — — — NEGLIGIBLE
EFFICIENCY	— — — — — 97% TYPICAL
TEMPERATURE RANGE	— — — — — 0°C (32°F) TO +40°C (104°F)
MOTOR SPEED	— — — — — 60 SECONDS
* FACTORY SET AT $\pm 1.0V$	

WIRE RANGES FOR CUSTOMER WIRING:
 INPUT/OUTPUT/NEUTRAL TERMINALS: (1) (2/0-#14 AWG) COMPRESSION PER PHASE
 GROUND TERMINAL: (1) (#2-#14 AWG) COMPRESSION

CONTROLS:
KEYPAD & LCD DISPLAY: THE KEYPAD & LCD DISPLAY ARE PROVIDED FOR LOCAL CONTROL OF THE UNIT WITH AN LCD DISPLAY FOR OUTPUT VOLTAGE READINGS. SEE THE MPI USER'S HANDBOOK (FORM #003-2530) FOR DETAILED INFORMATION.

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 THE AUTOTRANSFORMER MOTOR.

RAISE/LOWER SWITCH: THIS SWITCH IS LOCATED INTERNALLY AND IS ACCESSIBLE FROM THE FRONT VIA THE REMOVABLE ACCESS PANEL. THE SWITCH ALLOWS FOR THE MOTORIZED VARIABLE TRANSFORMER TO BE MANUALLY CONTROLLED.

* THE OUTPUT CANNOT BE "0" OR "600" EXACTLY DUE TO THE BRUSH MAKING CONTACT WITH MULTIPLE TURNS OF THE COIL SIMULTANEOUSLY.

SPECIFICATIONS									
WIRING	INPUT		OUTPUT			SHAFT ROTATION FOR VOLTAGE INCREASE	TERMINAL CONNECTIONS FOR INCREASING VOLTAGE AS VIEWED FROM TOP		
	VOLTS	HERTZ	VOLTS	CONSTANT CURRENT LOAD			INPUT	OUTPUT	
				MAX. AMPS	MAX. KVA				
THREE PHASE WYE	480	50/60	0-480	140	116	CW	4-4-4	D-D-D	
	480	60	0-575	140	141	CW	2-2-2	D-D-D	
			576-600	100	104				

UL508B OVERCURRENT PROTECTION & DISCONNECTS - SEE LISTED CATALOGS FOR 480V, 50/60 HZ AND 480V, 60 HZ

WIRING: 1

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DESIGNED BY: N. JONES

CHECKED BY: BRAGG

DRAWN BY: BRAGG

DATE: 10/16/24

DATE: 10/16/24

DATE: 10/16/24

SCALE: 1/5

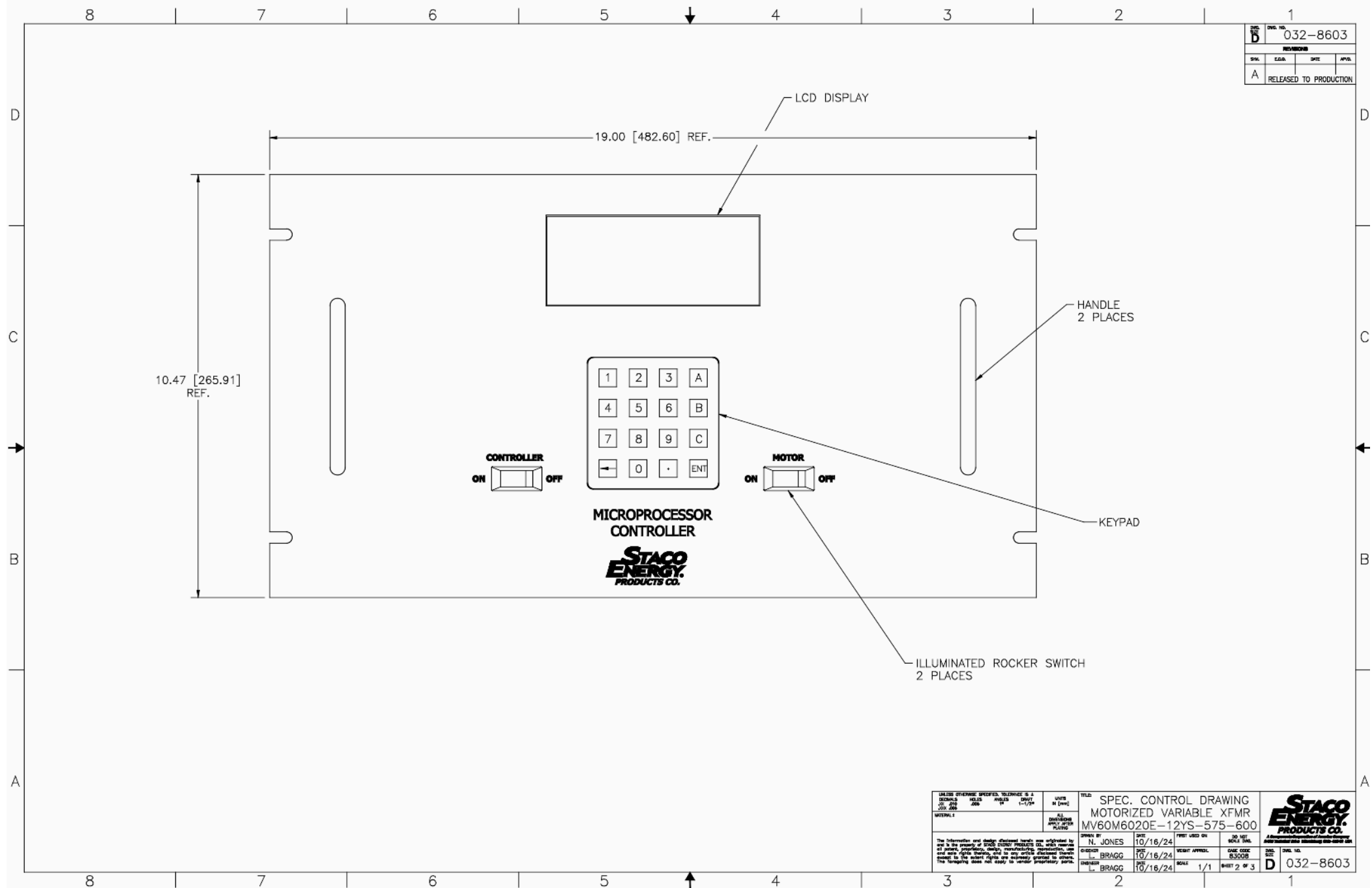
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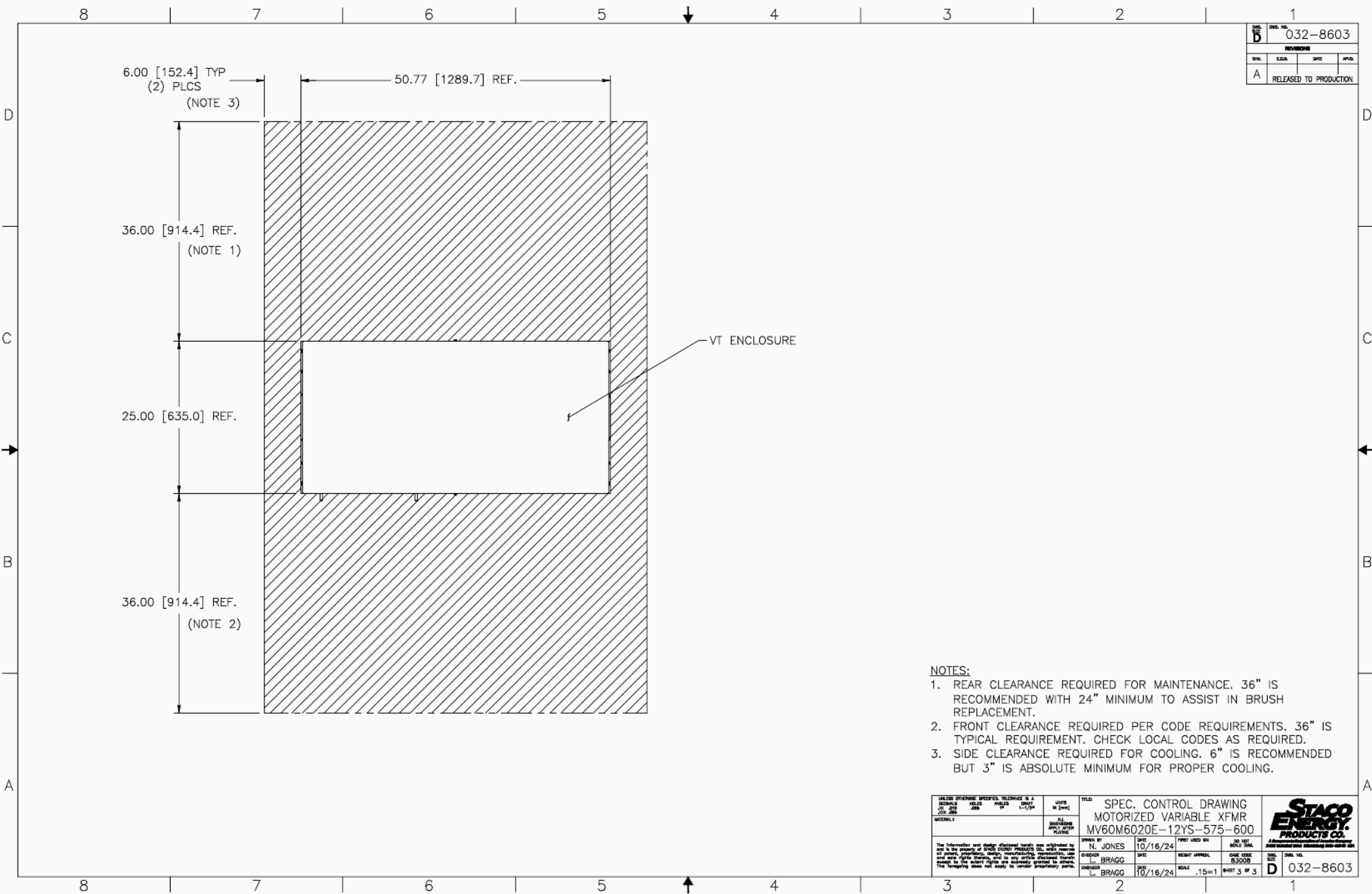
SCALE: 1/5

STACCO ENERGY PRODUCTS CO.

America's leading manufacturer of motor control products

032-8603

[illegible]



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UNLESS OTHERWISE SPECIFIED, TOLERANCE IS AS SHOWN				TITLED:		 A COMMITMENT TO EXCELLENCE We manufacture and distribute over 4000 SKUs						
DETAILS	WELD	ANGLES	DRIFT	UNITS	SPEC. CONTROL DRAWING							
OF 200	200	1/2	1/2	IN (MM)	MOTORIZED VARIABLE XFMR							
200	200	1/2	1/2	IN (MM)	MV60M6020E-12YS-575-600							
INTERMEDIATE				ALL DIMENSIONS MUST BE TO CENTER UNLESS OTHERWISE NOTED								
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					N. JONES	10/16/24						
					CHECKED BY	DATE	REVIEW APPROVAL	SCALE				
					L. BRAGG			8.3008				
					ENGINEER	DATE	WEIGHT	SHEET				
					L. BRAGG	10/16/24	.15=1	3 OF 3				
					DWG. NO.	D						
								032-8603				