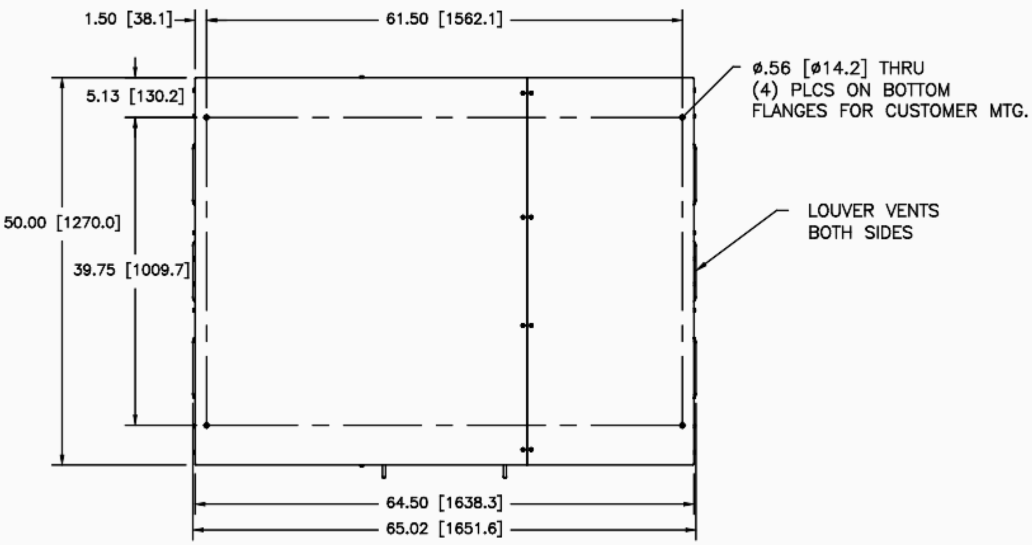
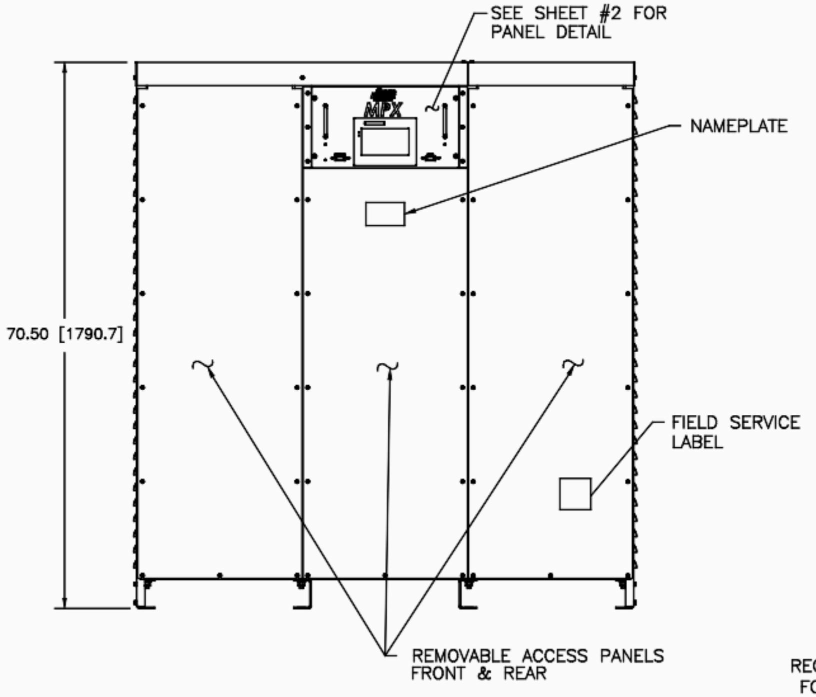
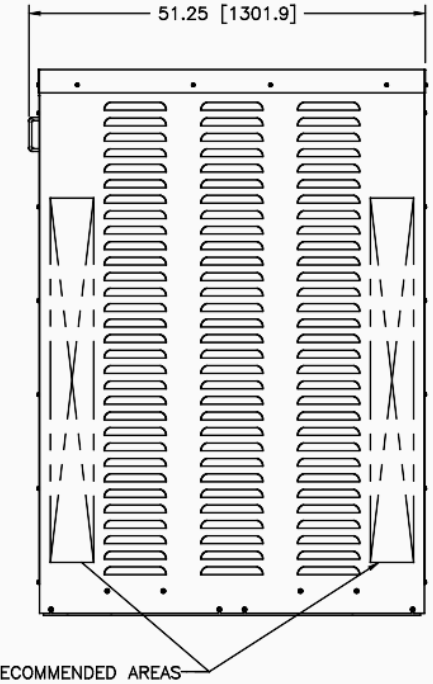
| DWG. SIZE | DWG. NO. |  |  |
|---|---|---|---|
| D | 032-8765 |  |  |
| REVISIONS |  |  |  |
| SYM. | E.C.O. | DATE | APVD. |
| A |  | 10/15/25<br>RELEASED |  |







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) (500MCM-#4 AWG) COMPRESSION PER PHASE GROUND TERMINAL: (1) (350MCM-#6 AWG) COMPRESSION

SPECIFICATIONS INDIVIDUAL PHASE CONTROL

| 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 | CONSTANT CURRENT LOAD MAX. KVA |  | INPUT | OUTPUT |
| THREE PHASE WYE | 480/277 | 50/60 | 0-480 | 350 | 291 | CW | 4-4-4 | D-D-D |
|  |  | 60 | 0-560 | 350 | 339 | CW | 2-2-2 | D-D-D |
|  | 400/230 | 50 | 0-480 | 350 | 291 | CW | 2-2-2 | D-D-D |

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS ±
MATERIAL: N/A
UNITS IN [mm]
ALL DIMENSIONS APPLY AFTER PLATING

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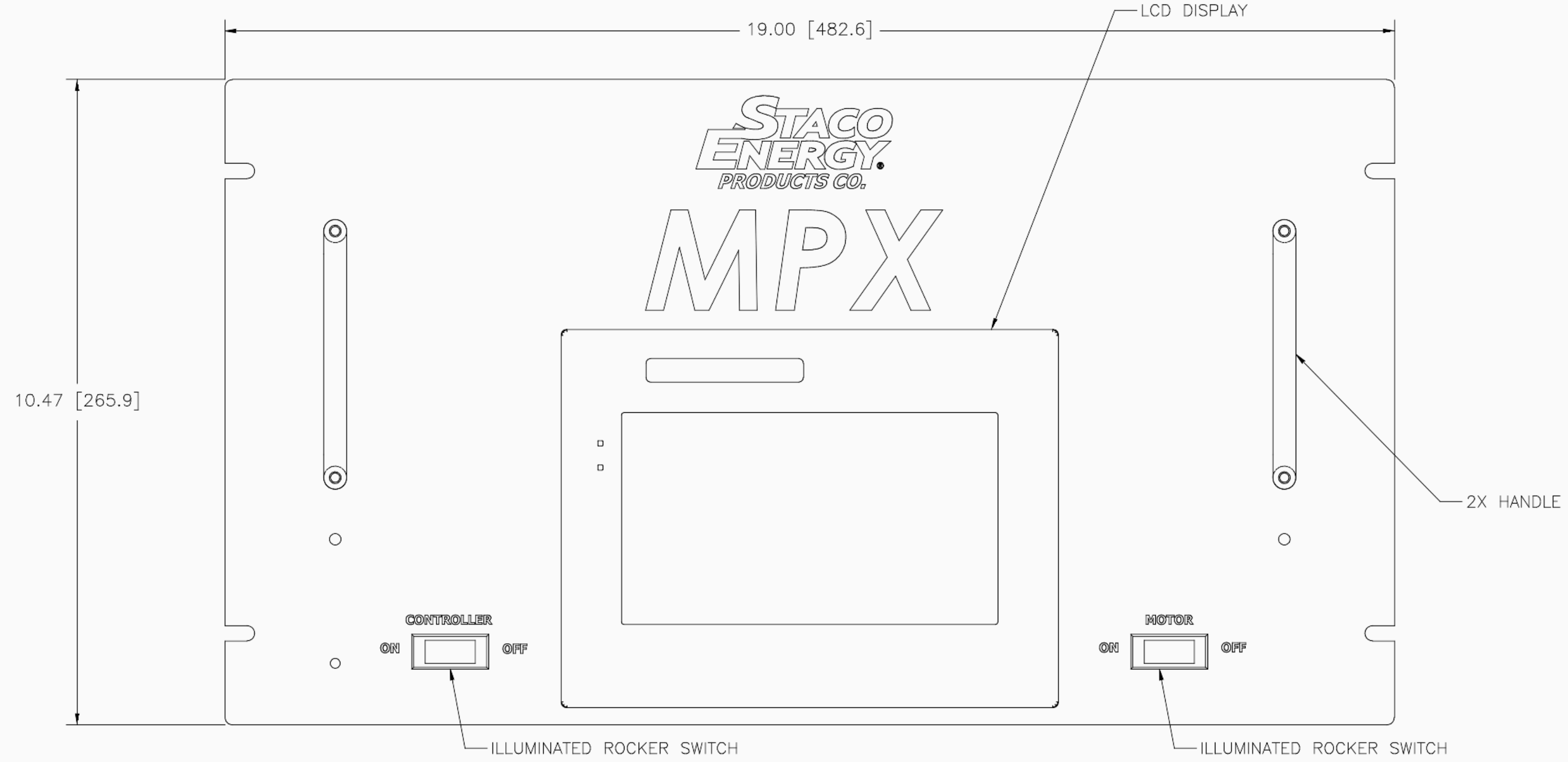
TITLE: SPEC. CONTROL DRAWING
VARIABLE TRANSFORMER
MX60M6020E-30Y-IPC

STACO ENERGY PRODUCTS CO.

| DRAWN BY | DATE | FIRST USED ON | DO NOT SCALE DWG. |
|---|---|---|---|
| BER | 10/15/25 |  |  |
| CHECKER B. LIGHTLE | DATE 10/15/25 | WEIGHT APPROX. | CAGE CODE 83008 |
| ENGINEER BER | DATE 10/15/25 | SCALE 1/8 | SHEET 1 OF 2 |

DWG. SIZE D
DWG. NO. 032-8765

| DWG. SIZE | DWG. NO. |  |  |
|---|---|---|---|
| D | 032-8765 |  |  |
| **REVISIONS** |  |  |  |
| SYM. | E.C.O. | DATE | APVD. |
| A |  | 10/15/25<br>RELEASED |  |


19.00 [482.6]
LCD DISPLAY
STACO ENERGY PRODUCTS CO.
MPX
10.47 [265.9]
2X HANDLE
CONTROLLER
ON
OFF
MOTOR
ON
OFF
ILLUMINATED ROCKER SWITCH
ILLUMINATED ROCKER SWITCH

|  |  |  |  |  |  |
|---|---|---|---|---|---|
| UNLESS OTHERWISE SPECIFIED. TOLERANCE IS ±<br>DECIMALS .XX .010 .XXX .005<br>HOLES .005<br>ANGLES 1°<br>DRAFT 1-1/2° | UNITS IN [mm] | TITLE:<br>SPEC. CONTROL DRAWING<br>VARIABLE TRANSFORMER<br>MX60M6020E-30Y-IPC |  |  | STACO ENERGY PRODUCTS CO.<br>A Components Corporation of America Company<br>2425 Technical Drive Miamisburg, Ohio 45342 USA |
| MATERIAL: N/A | 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 10/15/25 | FIRST USED ON | DO NOT SCALE DWG. |  |
|  | CHECKER B. LIGHTLE | DATE 10/15/25 | WEIGHT APPROX. | CAGE CODE 83008 | DWG. SIZE D<br>DWG. NO. 032-8765 |
|  | ENGINEER BER | DATE 10/15/25 | SCALE 1/1 | SHEET 2 OF 2 |  |