

DWG. NO. D	094-6493		
REVISIONS			
SYMBOL	DATE	BY	APPROVED
A			AN
RELEASED TO PRODUCTION			

THE PROVIDER POWER SYSTEM (PPS) IS COMPRISED OF A VARIABLE TRANSFORMER, AN OUTPUT CONTACTOR CONTROLLED BY A EXTERNAL FOOT-PEDAL, A OUTPUT CIRCUIT BREAKER IS USED TO FEED THE OUTPUT CAM-LOK CONNECTIONS. THE UNIT ALSO HAS A VOLTAGE METER PANEL THAT DISPLAYS OUTPUT VOLTAGE, A SELECTOR SWITCH FOR VIEWING EACH L-L AND L-N VOLTAGE, AND A RAISE/LOWER SWITCH FOR ADJUSTING THE OUTPUT VOLTAGE.

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

WIRE RANGES FOR CUSTOMER WIRING
 INPUT TERMINALS: (500MCM-#4 AWG) COMPRESSION PER PHASE (4-WIRE)
 OUTPUT TERMINALS: (5) CAM-LOK CONNECTIONS (3-POLE W/ N, +GND)

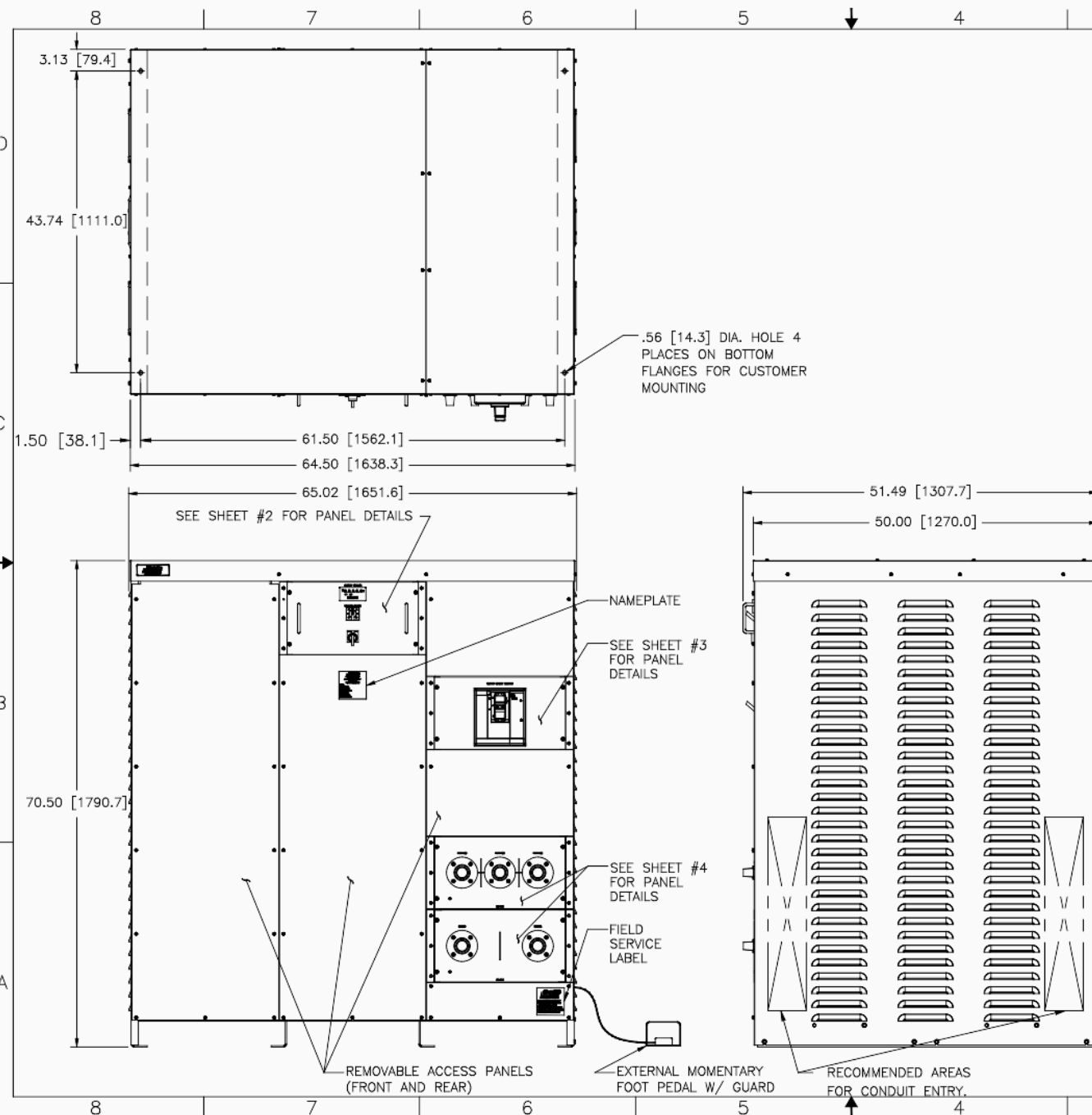
CONTROLS:
 DIGITAL OUTPUT VOLTAGE METER: THIS METER MONITORS THE UNITS OUTPUT VOLTAGE.
 VOLTAGE SELECTION SWITCH: THIS SWITCH ALLOWS THE USER TO SWITCH TO ANY L-L OR L-N VOLTAGE TO BE DISPLAYED ON THE DIGITAL OUTPUT VOLTAGE METER.
 RAISE/LOWER SWITCH: THIS SWITCH IS LOCATED EXTERNALLY. THE SWITCH ALLOWS THE PPS TO BE MANUALLY CONTROLLED.
 MANUAL FOOT PEDAL: THIS MANUALLY OPERATED FOOT PEDAL WILL CONTROL THE OUTPUT CONTACTOR SUPPLYING POWER TO THE OUTPUT CAM-LOK CONNECTIONS.
 CAM-LOK DEVICES: (5) OUTPUT RECEPTACLES ARE PROVIDED FOR CUSTOMER OUTPUT CONNECTIONS. THE MATCHING PLUGS ARE CUSTOMER SUPPLIED.

THREE PHASE (4 WIRE + GROUND)				
FREQUENCY	INPUT VOLTAGE (NOMINAL)	OUTPUT VOLTAGE (ADJUSTABLE)	MAXIMUM OUTPUT AMPERES	RATED OUTPUT (KVA)
50/60	480Y/277	0-480	420	350
60	480Y/277	0-575		418
50	400Y/230	0-480		350

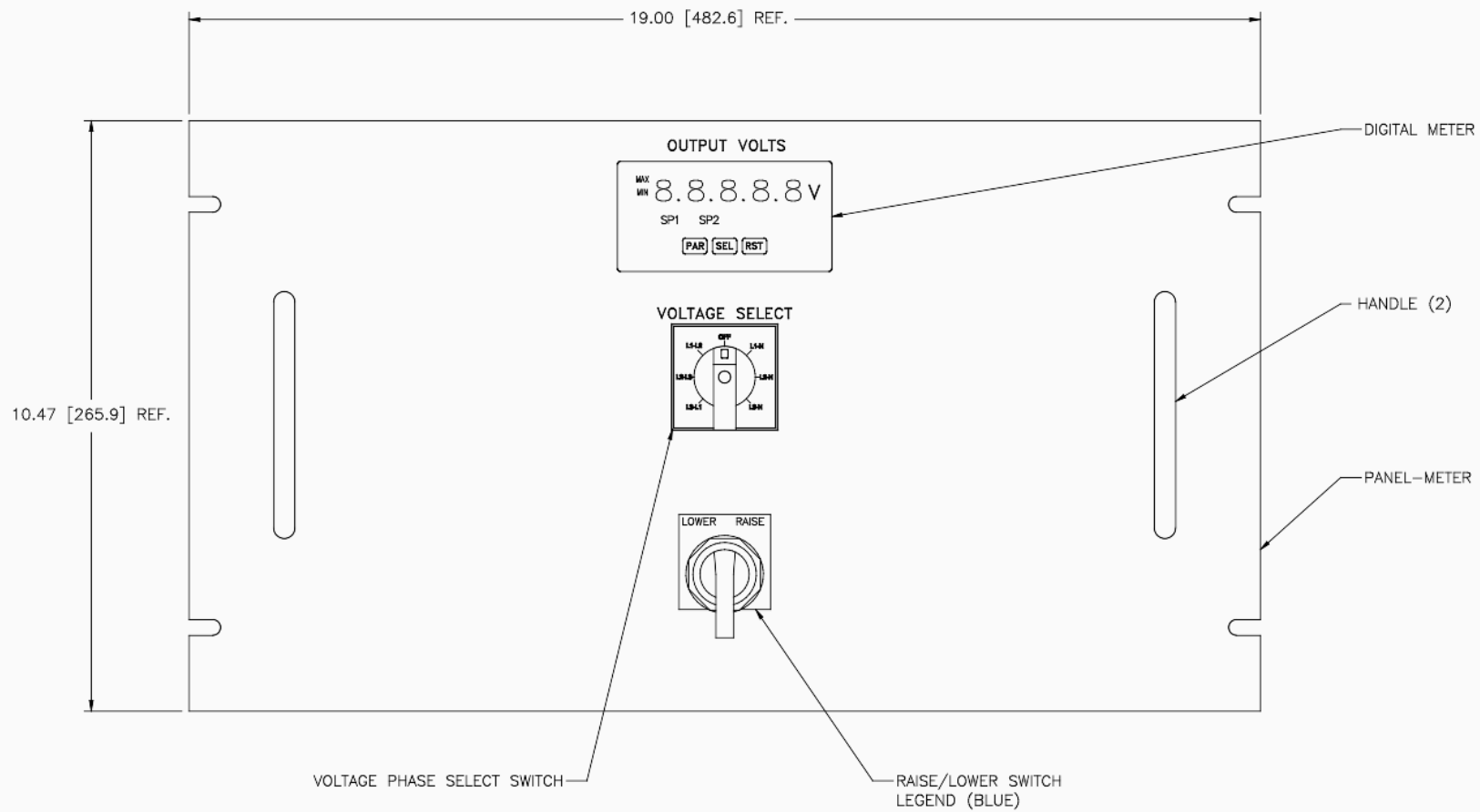
LARGE DIMENSIONS SPECIFIED, TOLERANCE IS ± .001 IN (25.4 MICRONS)		TOLERANCE IS ± .001 IN (25.4 MICRONS)		TOLERANCE IS ± .001 IN (25.4 MICRONS)	
DETAILS	1/2"	1/4"	1/8"	1/16"	1/32"
CO.	1/2"	1/4"	1/8"	1/16"	1/32"
MIN.	1/2"	1/4"	1/8"	1/16"	1/32"

SPEC. CONTROL DRAWING PROVIDER POWER SYSTEM PPS-48BE418-6493		DATE 5/19/26		BY LBRAGG	
CHECKED LBRAGG		DATE 5/26/2026		BY LBRAGG	
ENGINEER LBRAGG		DATE 5/26/2026		BY LBRAGG	

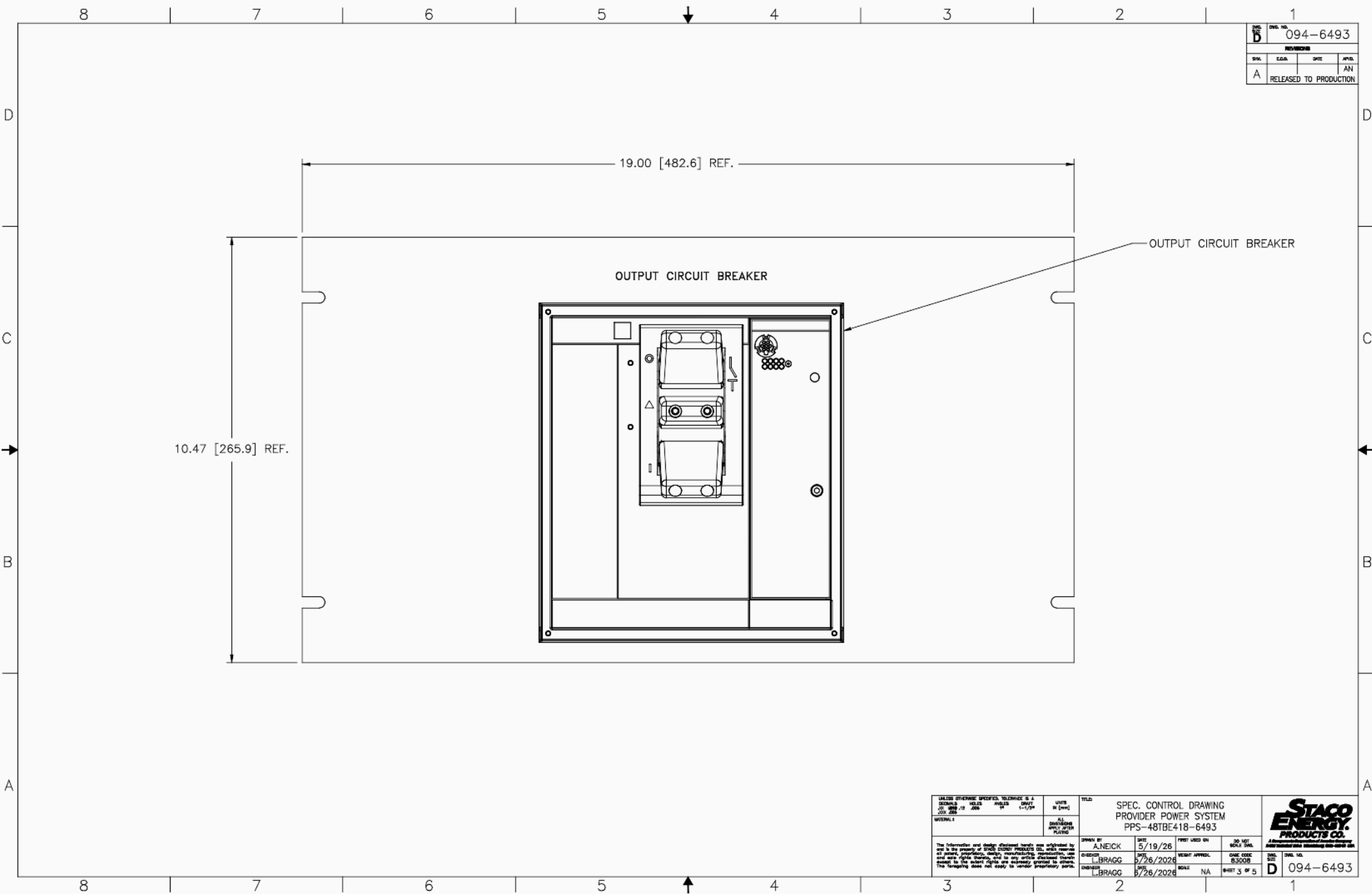
STACO ENERGY PRODUCTS CO.		DWG. NO. 094-6493	
SHEET 1 OF 5		D	



DWG. NO.	094-6493
REVISED	
DATE	APPROVED
BY	AN
RELEASED TO PRODUCTION	



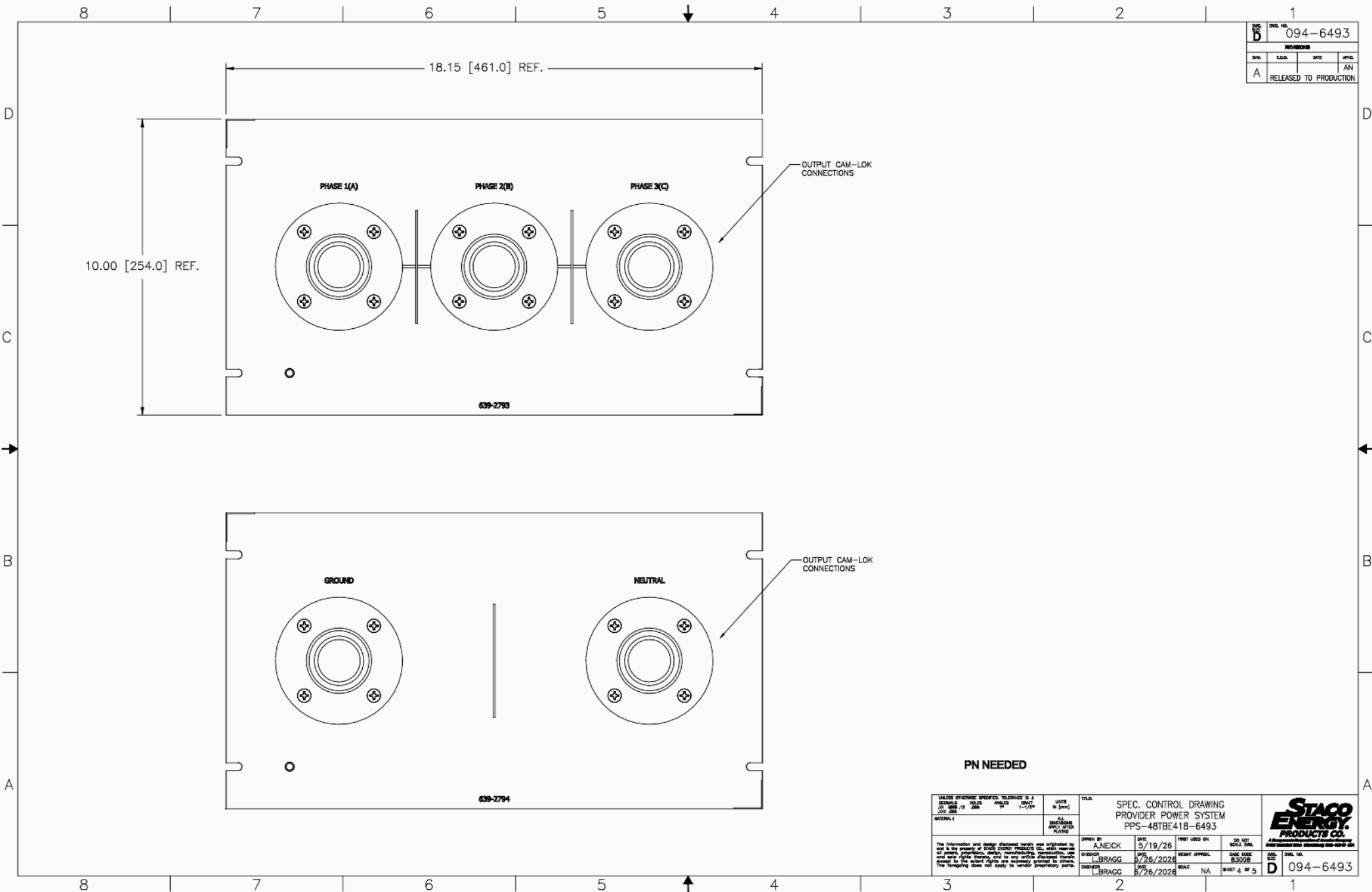
UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: DIMENSIONS IN INCHES FRACTIONS DECIMALS ANGLES DEGREES 1/16 1/32 1/64 1/8 1/4 1/2 3/4 1 1 1/2 2 3 4 6 8 12 16 20 24 30 36 48 60 72 96 120 144 180 240 360				TITLED SPEC. CONTROL DRAWING PROVIDER POWER SYSTEM PPS-48TBE418-6493				
The information and design contained herein are confidential and proprietary to Staco Energy Products Co. and its subsidiaries. All rights are reserved. No part of this document may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without prior written permission from Staco Energy Products Co. The foregoing does not apply to vendor proprietary items.				DESIGNED BY A. NEICK	DATE 5/19/26	FIRST USED ON 5/19/26	JOB NO. SOLE 264	DWG. NO. 094-6493
				CHECKED BY L. BRAGG	DATE 05/26/26	REVIEW APPROVAL 05/26/26	DATE CODE 05/26/26	
				ENGINEER L. BRAGG	DATE 06/26/26	SCALE NA	SHEET 2 OF 5	



DWG. NO.	094-6493
REV.	B
DATE	5/19/26
BY	L.BRAGG
CHECKED	L.BRAGG
ENGINEER	L.BRAGG
SCALE	NA
SHEET	3 OF 5
DWG. NO.	094-6493
REV.	B
DATE	5/19/26
BY	L.BRAGG
CHECKED	L.BRAGG
ENGINEER	L.BRAGG
SCALE	NA
SHEET	3 OF 5

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS DIMENSIONS IN FEET AND INCHES DIMENSIONS IN METERS				TITLED SPEC. CONTROL DRAWING PROVIDER POWER SYSTEM PPS-48TBE418-6493				DRAWN BY A.NECK 5/19/26 CHECKED L.BRAGG 5/26/2026 ENGINEER L.BRAGG 5/26/2026				FIRST USED ON JOB NO. SCALE DATE CODE B-3000B SHEET 3 OF 5				D				094-6493			
---	--	--	--	---	--	--	--	--	--	--	--	---	--	--	--	---	--	--	--	----------	--	--	--





DWG. NO.	094-6493
REV.	B
DATE	
BY	
CHECKED	
APPROVED	
RELEASED TO PRODUCTION	

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE: DIMENSIONS IN INCHES DIMENSIONS IN MILLIMETERS DIMENSIONS IN FEET AND INCHES DIMENSIONS IN METERS				TITLE: SPEC. CONTROL DRAWING PROVIDER POWER SYSTEM PPS-48TBE418-6493				DRAWN BY: A. NEICK DATE: 5/19/26 CHECKED: L. BRAGG DATE: 5/26/2026 ENGINEER: L. BRAGG DATE: 5/26/2026		FIRST USED ON: 5/19/26 SCALE: NA SHEET 4 OF 5		DWG. NO.: 094-6493	
The information and design of this drawing are the property of STACO ENERGY PRODUCTS CO. and are not to be used in any other project without the written consent of STACO ENERGY PRODUCTS CO. All dimensions are in inches unless otherwise noted. The foregoing does not apply to unmarked proprietary parts.				STACO ENERGY PRODUCTS CO. A STACO ENERGY COMPANY				DWG. NO.: 094-6493		SHEET 4 OF 5		DWG. NO.: 094-6493	

