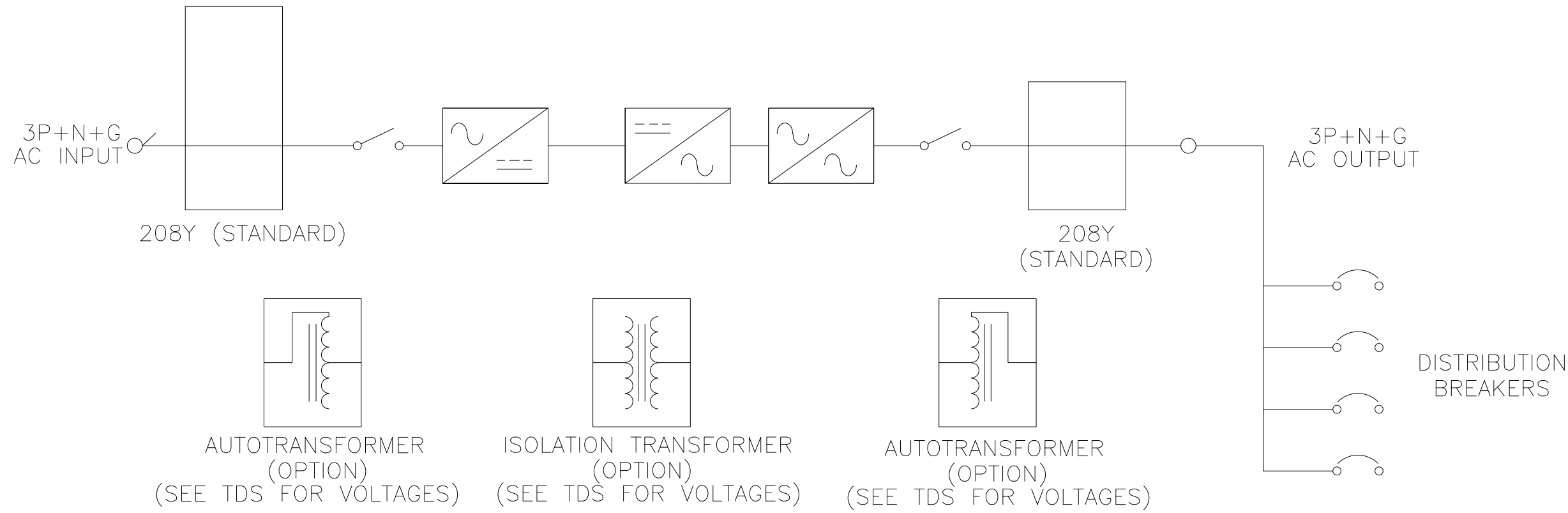


CONDUIT LANDING PANEL
16.50x7.13 [419.1x181.0]



NOTE: AC AND DC CABLES AND LUGS PROVIDED BY OTHERS.

CIRCUIT BREAKER
ACCESS BEHIND
DOOR

TOP REAR VIEW

VENTILATION
CLEARANCE

72.44 [1840.0]

REAR VIEW

LEFT SIDE VIEW

FRONT VIEW

FRONT VIEW
DOORS REMOVED

(OPTIONAL)
OUTPUT DISTRIBUTION
BREAKERS

STACO FC

SUMMARY OF EQUIPMENT
THE STACO E3 FREQUENCY CONVERTER (FC) IS A TRUE ON-LINE, DOUBLE CONVERSION, PARALLELABLE, THREE-PHASE SYSTEM THAT CAN PREVENT THE LOSS OF ELECTRONIC INFORMATION AND MINIMIZE EQUIPMENT DOWN TIME.

THE STACO E3 FC CONSTANTLY MONITORS THE INCOMING ELECTRICAL POWER AND PROTECTS THE CONNECTED LOAD BY REMOVING VOLTAGE SPIKES, SAGS, TRANSIENTS, AND OTHER DAMAGING IRREGULARITIES THAT ARE COMMON IN COMMERCIAL UTILITY POWER. THE FC SUPPLIES THE CLEAN AND CONSISTENT POWER THAT SENSITIVE ELECTRONIC EQUIPMENT REQUIRES FOR RELIABLE OPERATION. DURING BROWNOUTS, BLACKOUTS AND OTHER POWER INTERRUPTIONS, THE BATTERIES PROVIDE EMERGENCY POWER TO SAFEGUARD OPERATION.

THE FRONT DISPLAY PANEL PROVIDES ACCESS TO DETAILED INFORMATION REGARDING THE STATUS OF UTILITY, LOAD AND STACO E3 FC.

THE BLOCK DIAGRAM INCLUDED SHOWS THE MAIN FUNCTIONAL SUBASSEMBLIES OF THE STACO E3 FC. THE AC THREE PHASE UTILITY SUPPLY IS RECTIFIED TO PROVIDE DIRECT CURRENT, THE INVERTER WHICH PROVIDES THE THREE-PHASE OUTPUT.

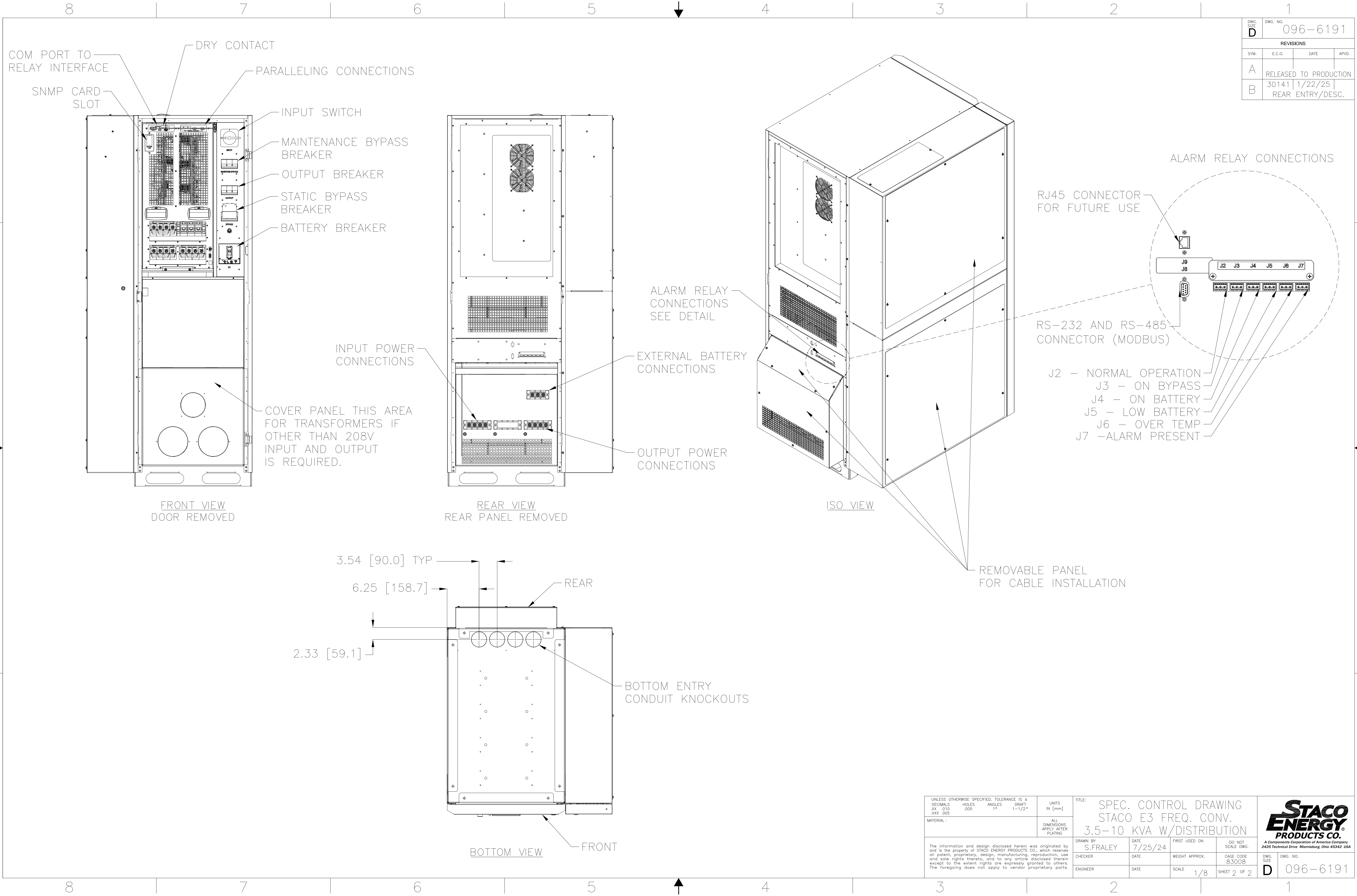
THE INVERTER HAS ITS OWN INTERNAL CONTROL TO STABILIZE THE OUTPUT FREQUENCY IF THE UTILITY FREQUENCY IS OUT OF LIMITS.

ENVIRONMENTAL
OPERATING TEMPERATURE: 0 C TO 40° C
ALTITUDE: 0-3300 FEET [1000 METERS] (WITHOUT DERATING)
RELATIVE HUMIDITY: 0-95%, NON-CONDENSING

SERVICE/VENTILATION CLEARANCES
FROM TOP OF CABINET: 18.00" [457.2MM]
FROM FRONT OF CABINET: 36.00" [914.4MM]
FROM REAR OF CABINET: 0" [0MM]

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS # DECIMALS HOLES ANGLES DRAFT .XX .010 1° 1-1/2° XXX .005				UNITS IN [mm]		TITLE: SPEC. CONTROL DRAWING STACO E3 FREQ. CONV. 3.5-10 KVA W/DISTRIBUTION			
MATERIAL :				ALL DIMENSIONS APPLY AFTER PLATING		DRAWN BY S.FRALEY	DATE 7/25/24	FIRST USED ON	DO NOT SCALE DWG.
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.				CHECKER 1/22/25		DATE 1/22/25	WEIGHT APPROX.	CAGE CODE 83008	DWG. SIZE
				ENGINEER B.FOX		DATE 1/22/25	SCALE 1/8	SHEET 1 OF 2	DWG. NO. D 096-6191





DWG. NO.	096-6191		
REVISIONS			
SYM.	E.C.O.	DATE	APVD.
A	RELEASED TO PRODUCTION		
B	30141	1/22/25	REAR ENTRY/DESC.

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS # DECIMALS .XX .010 .XXX .005				UNITS IN [mm]		TITLE: SPEC. CONTROL DRAWING STACO E3 FREQ. CONV. 3.5-10 KVA W/DISTRIBUTION			
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				ENGINEER		DATE	SCALE 1/8	SHEET 2 OF 2	

