

PHYSICAL INSTALLATION

1 POSITION INVERTER ENCLOSURE IN 19" OR 23" RACK AND SECURE WITH 12-24 SCREWS AND HARDWARE (8 PLACES).

GENERAL NOTES:

- 1 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED. DIMENSIONS WITHIN BRACKETS [] ARE IN CENTIMETERS.
- 2 WIRE SYSTEM AS INDICATED IN THE FOLLOWING PAGES.

MECHANICAL DATA

WEIGHT: SKVA = 150 Lbs [68.2 kg]

SIZE: SEE DRAWING AT LEFT
 PAINT: SHERWIN WILLIAMS No. 663 A 33
 COLOR: PROFILE GRAY

THERMAL DATA

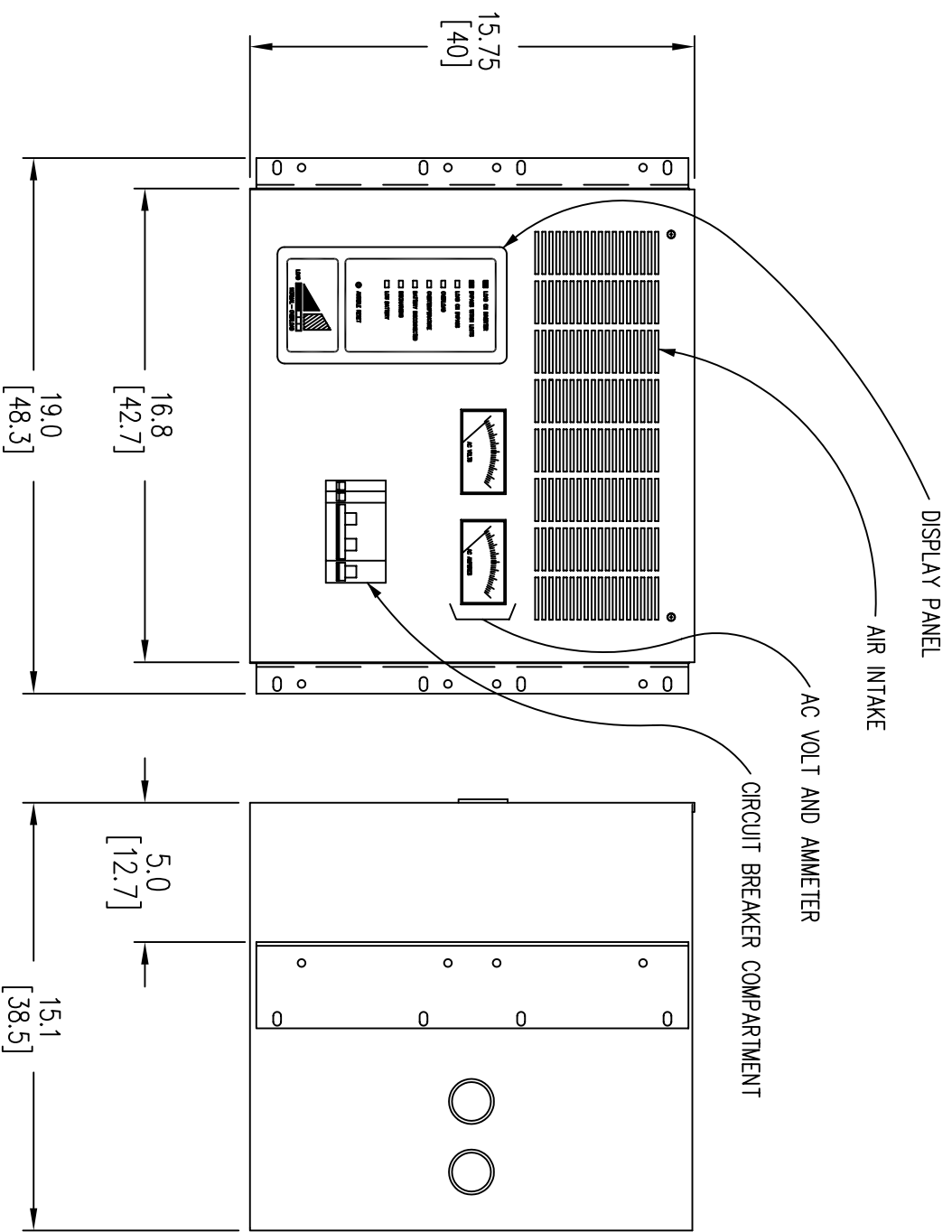
HEAT DISSIPATION @ 100% LOAD
 @ .8 LAGGING pf
 SKVA = 3400 BTU/HR MAX.

COOLING: FAN ASSISTED
 OPERATING AMBIENT= 32°F TO +122°F
 (0°C TO +50°C)

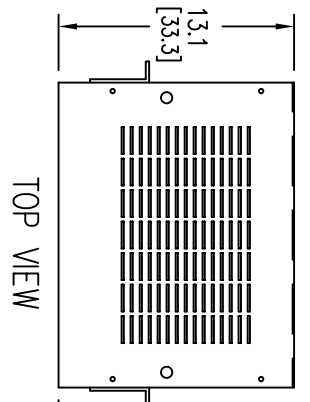
ENVIRONMENTAL DATA

NEBA 1= INDOOR DUTY, OPEN VENTILATED, NONCORROSIVE, CONTROLLED ENVIRONMENT PER UL1778, DOES NOT PREVENT ENTRY OF DUST.
 HUMIDITY RANGE: 0 TO 95% NON-CONDENSING
 ALTITUDE DERATING: NONE BELOW 7000 FT.
 10%/1000 FT. ABOVE
 AUDIBLE NOISE: 50dB(A), 5 FT. IN FRONT OF UNIT, 4 FT. FROM FLOOR.

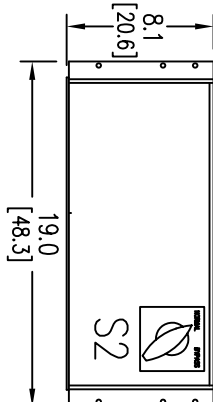
NOTE: REVERSE ANGLES FOR 23" RACK MOUNTING



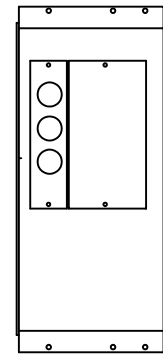
DESIGN		DATE	INSTALLER CONNECTIONS	
DRAWN	DATE	11-1-93	SKVA, 48VDC INVERTER SYSTEMS	
CHKD	DATE			
APPD	DATE	11-1-93	SHEET 1 OF 5	
ISSUE			IC5196-050	



NOTE: OPTIONAL BYPASS/DUAL OUTPUT ENCLOSURE IS DESIGNED WITH TOP VENTILATION. THEREFORE, ENCLOSURE SHOULD BE INSTALLED ABOVE 48VDC INVERTER CABINET.

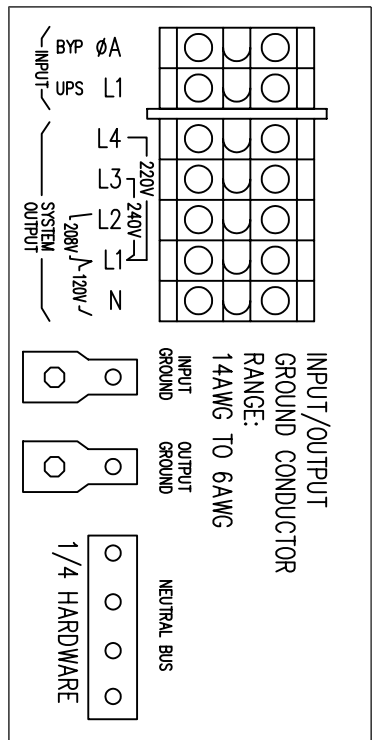


FRONT VIEW

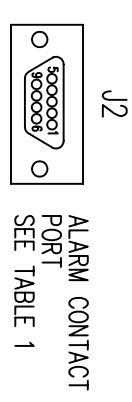


REAR VIEW

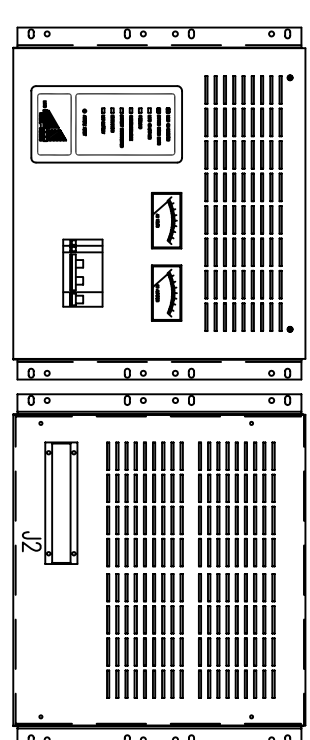
REAR (OPTIONAL BYPASS/DUAL OUTPUT ENCLOSURE)



RIGHT, REAR (INVERTER)

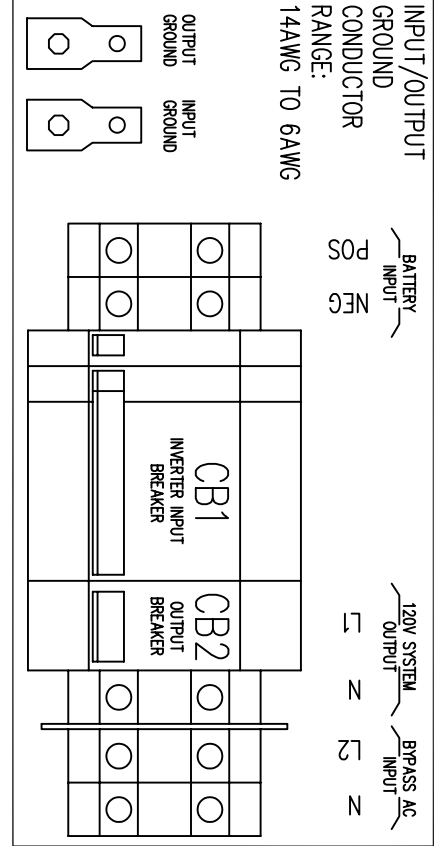


NOTE 1



NOTE: DC INPUT WIRING ENTERS INVERTER THRU (1") CONDUIT KNOCKOUT ON LEFT SIDE OF ENCLOSURE. BYPASS AC INPUT AND AC OUTPUT WIRING ENTERS THRU (1") CONDUIT KNOCKOUTS ON RIGHT SIDE OF ENCLOSURE.

LOWER RIGHT, FRONT (INVERTER)



BYPASS AC INPUT	CONNECT TO
120V	L2 & N

INVERTER SYSTEM OUTPUT	CONNECT TO
120V	L1 & N
DUAL OUTPUT ENCLOSURE	CONNECT TO
120/208V	L1 & N/L1 & L2
120/240V	L1 & N/L1 & L3
120/220V	L1 & N/L1 & L4

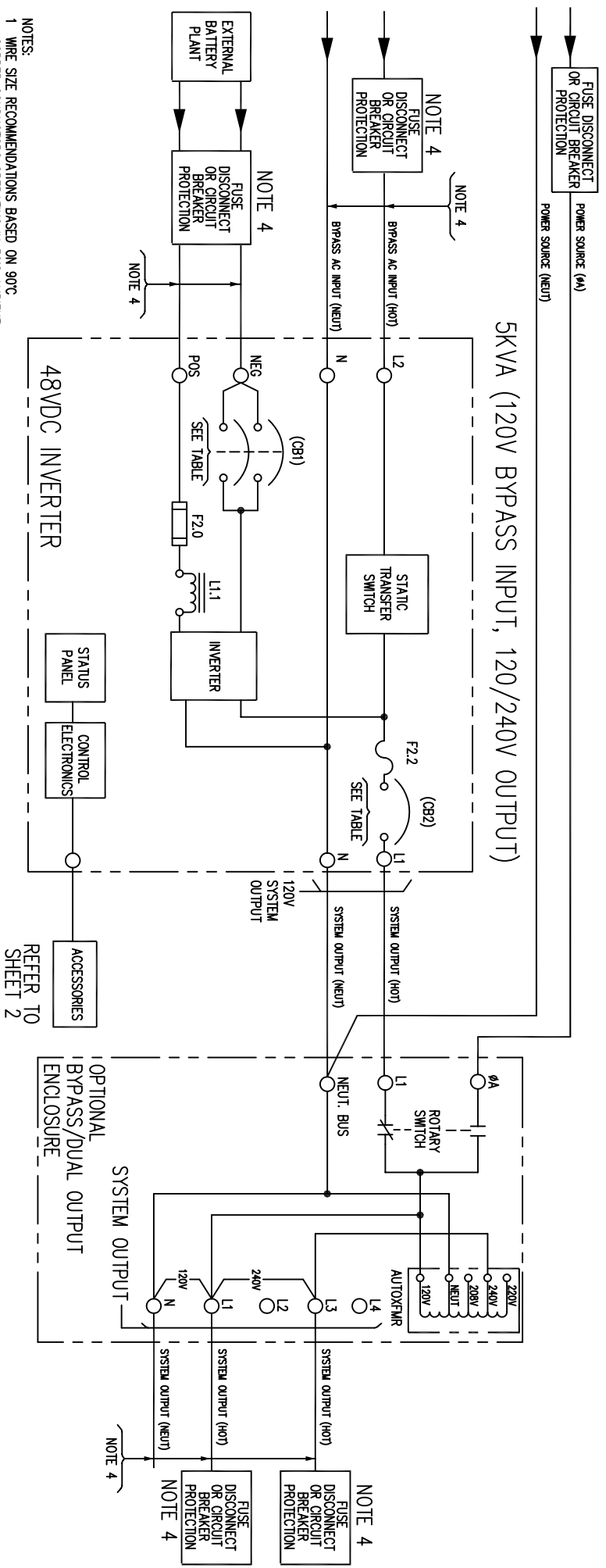
TABLE 1

(J2) PIN No.	ALARM
5	COMMON
6	ON BYPASS (N.O.)
7	LOW BATTERY (N.O.)
8	GEN. ALARM (N.O.)
9	UTILITY FAIL (N.O.)

RACK MOUNT
INSTALLER CONNECTIONS

IC5196-050
SHEET 2 OF 5
ISSUE

NOTES:
1 NOT TO EXCEED CLASS 2 LIMITATIONS.
REFER TO N.E.C. ARTICLE 725-31,
TABLES (d) & (b).



- NOTES:
- 1 WIRE SIZE RECOMMENDATIONS BASED ON 90°C COPPER CONDUCTORS OPERATING IN 30°C AMBIENT AND NEC TABLES 250-95 & 310-16, INCREASE CONDUCTOR SIZE FOR LONG RUNS.
 - 2 ALL FIELD WIRING TO BE COPPER CONDUCTOR ONLY.
 - 3 ALL GROUNDS SHOWN SHALL BE CONNECTED SEPARATELY TO A SINGLE GROUNDING POINT AT THE SOURCE SERVICE EQUIPMENT, PER IEEE STD. 446-1980 FIG. 72.
 - 4 FUSE OR CIRCUIT BREAKER PROTECTION EXTERNAL TO UPS TO BE PROVIDED BY CUSTOMER. SEE TABLE BELOW FOR RECOMMENDED PROTECTION SIZING AND WIRE SIZING.
 - 5 SPECIFIED TORQUE VALUES ARE FOR INTERNAL WIRING CONNECTIONS ONLY.

SIZE	SPEC. No.	120/240V ENCLOSURE OUTPUT				120V/240V BYPASS INPUT, 120/240V OUTPUT			
		TERM. No. (L1, L3, N)	FULL LOAD CURRENT (AMPS)	TERM. CAPACITY	TORQUE	TERM. No. (L1), TERM. No. (N)	FULL LOAD CURRENT (AMPS)	TERM. CAPACITY	TORQUE
5kVA	5196-050	120/240V	42/21	12-2 AWG	35 IN/LB	6 GA	8 GA.	60A/30A	

SIZE	SPEC. No.	BYPASS AC INPUT				BATTERY LEAD				SYSTEM OUTPUT														
		TERM. No. (L2, N)	TERM. CAPACITY	TORQUE	RECOM. SIZE	TERM. No. (POS, NEG.)	TERM. CAPACITY	TORQUE	RECOM. SIZE	TERM. No. (L1), TERM. No. (N)	TERM. CAPACITY	TORQUE	RECOM. SIZE	RECOM. FUSING										
5kVA	5196-050	120	42 AMPS	12-2 AWG	35 IN/LB	6 GA	60A	8 GA.	80A (PARALLEL POLED)	48VDC	10,000	12-2 AWG	35 IN/LB	2 GA	200A	120V	42 AMPS	50A	10,000	12-2 AWG	35 IN/LB	6 GA	8 GA.	60 AMPS

