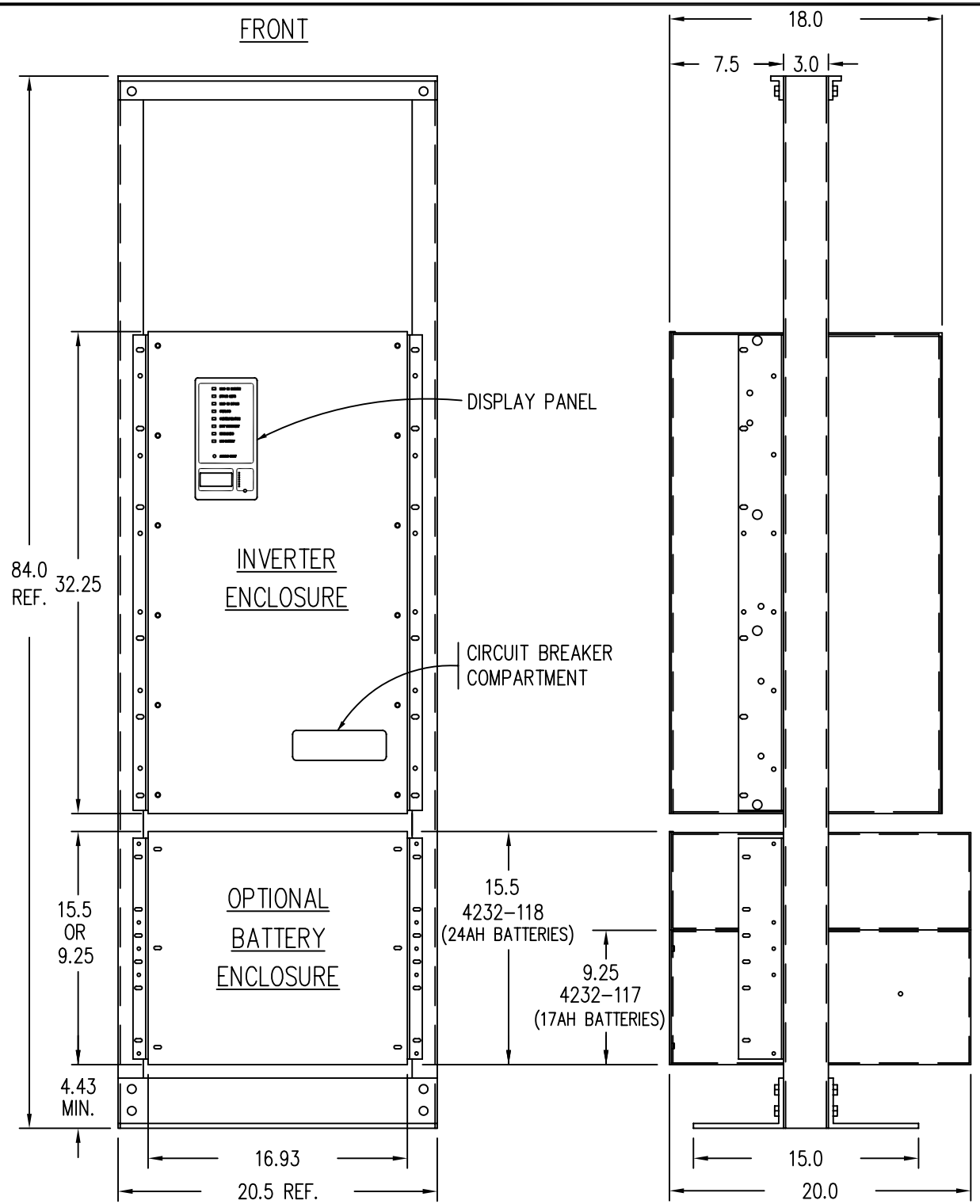


PHYSICAL INSTALLATION

1. MOUNT BATTERY ENCLOSURE AND INVERTER ENCLOSURE TO RELAY RACK USING 12-24 SCREWS, LOCK WASHERS AND FLAT WASHERS.

GENERAL NOTES:

1 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.

MECHANICAL DATA

10KVA WEIGHT: 325 LBS (146 kg)

BATTERY CAB. WEIGHT: 380 LBS (171 kg)

SIZE: SEE DRAWING
PAINT: SHERWIN WILLIAMS PT. No. F63 A 33
COLOR: PROFILE GRAY

THERMAL DATA

HEAT DISSIPATION @ 100% LOAD
@ .8 LAGGING PF
10KVA (0.8pf)= 8.2K BTU/HR MAX.

COOLING: FAN ASSISTED
OPERATING AMBIENT= -10°C TO +40°C

ENVIRONMENTAL DATA

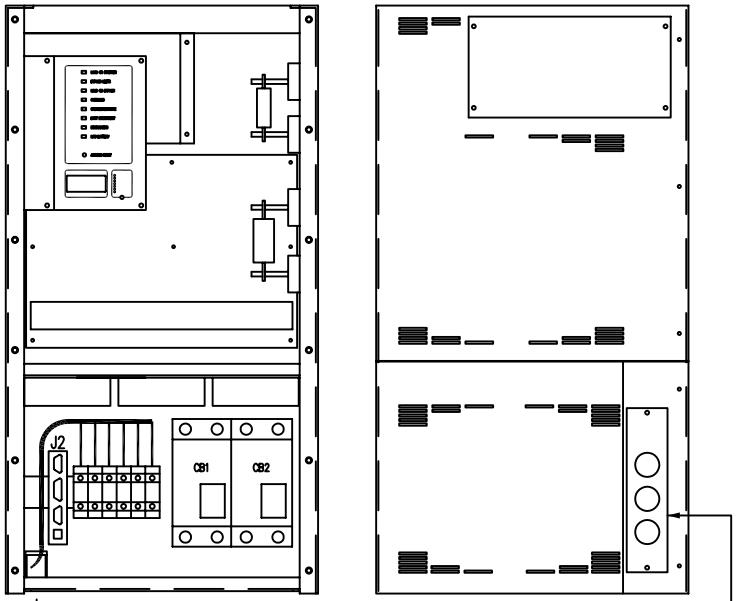
NEMA 1= INDOOR DUTY, OPEN VENTILATED, NONCORROSIVE, CONTROLLED ENVIRONMENT PER UL1778, DOES NOT PREVENT ENTRY OF DUST.
HUMIDITY RANGE: 0 TO 95%, NON-CONDENSING
ALTITUDE DERATING: NONE BELOW 7000 FT.
10%/1000 FT. ABOVE
ADUIBLE NOISE: 50dB(A), 5 FT. IN FRONT OF UNIT, 4 FT. FROM FLOOR.

RACK MOUNT INVERTER
INSTALLER CONNECTIONS

DESIGN	DATE		
DRAWN WALLACE	DATE 3-23-98	IC5196-108	
CHKD	DATE	SHEET 1 OF 3	ISSUE
APPD R.J.MOROG	DATE 3-23-98		

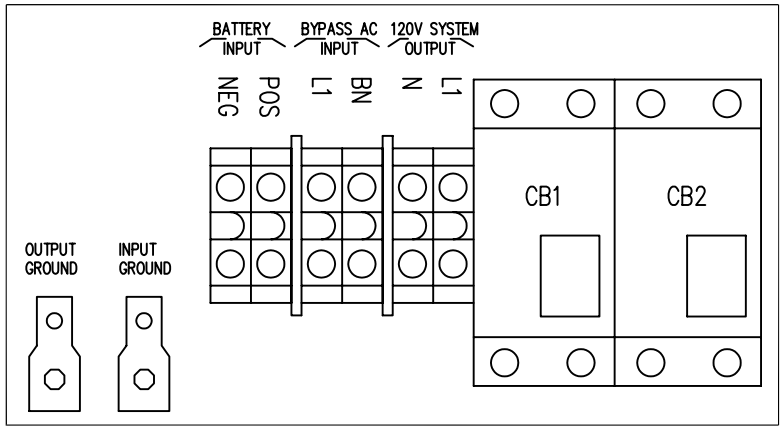
FRONT VIEW
(COVER REMOVED)

REAR VIEW



NOTE: USER CONNECTIONS ENTER INV. THROUGH KNOCKOUT PLATE ON REAR CABINET PANEL. ROUTE WIRES THRU WIREWAY PROVIDED ON LEFT SIDE OF BASE AND SECURE IN TOP OF TERMINAL BLOCKS AT FRONT OF ENCLOSURE.

LOWER FRONT (INVERTER)

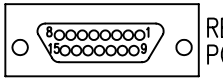


RIGHT, REAR (INVERTER)

J2

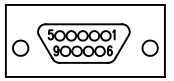
ALARM CONTACT PORT
SEE TABLE 1

J3



REMOTE ALARM PORT

J1



RS/232 PORT

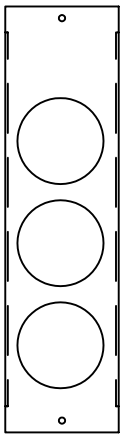
NOTE 1

PHONE PORT

BYPASS AC INPUT VOLTAGE	CONNECT TO
120V	L1 & (BN NEUTRAL)

SYSTEM OUTPUT	CONNECT TO
120V	L1 & N

BATTERY INPUT	CONNECT TO
125VDC	POS & NEG



KNOCKOUT PLATE

KNOCKOUTS FOR 1" CONDUIT

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.)

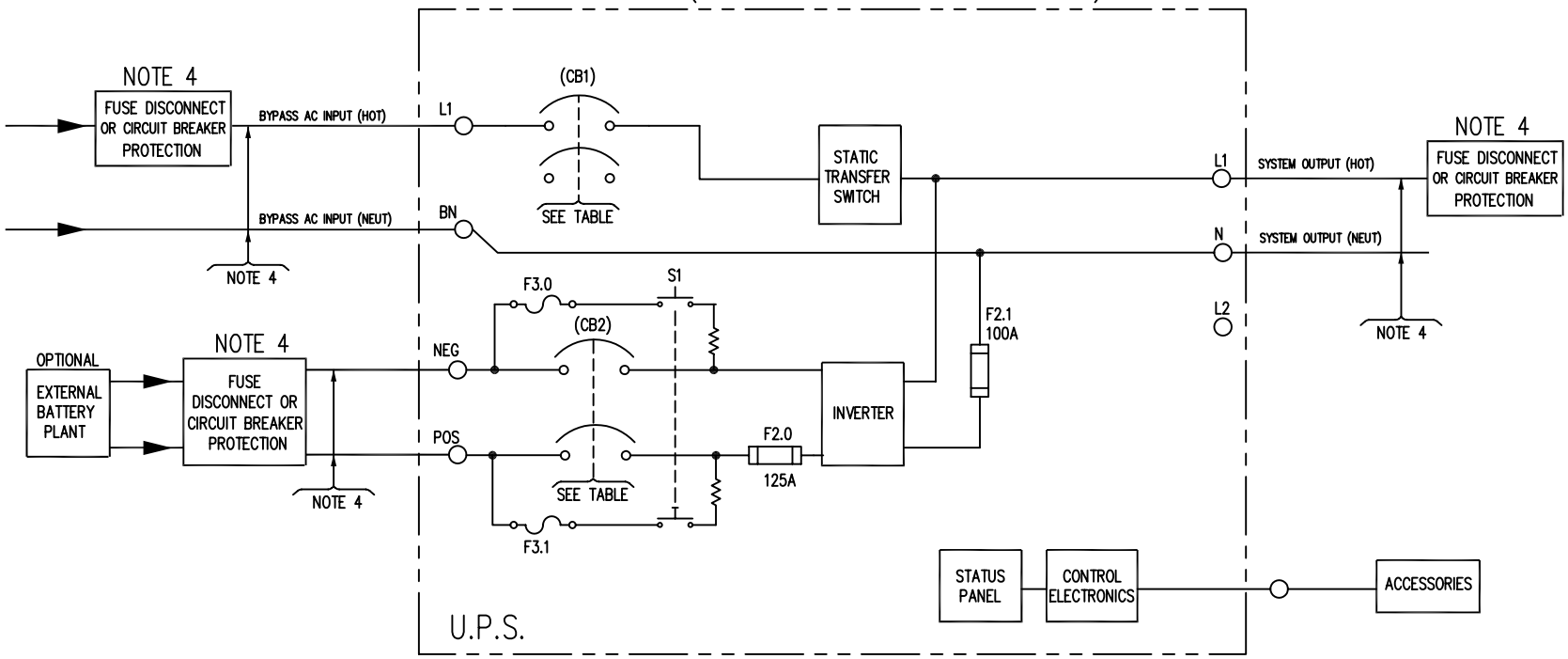
NOTES:
1 NOT TO EXCEED CLASS 2 LIMITATIONS. REFER TO N.E.C. ARTICLE 725-31 AND TABLE (A) & (B).

RACK MOUNT
INSTALLER CONNECTIONS

IC5196-108

ISSUE

8KW INVERTER (125VDC INPUT, 120V OUTPUT)



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.	BYPASS AC INPUT TERM. No. (L1, BN)									BATTERY LEAD TERM No. (POS.,NEG.)							SYSTEM OUTPUT TERM. No. (L1, N)						
		AC INPUT	MAX. INPUT CURRENT	(CB1) RATING	A.I.C. RATING	TERM. CAPACITY	TORQUE	RECM. SIZE	RECM. FUSING	RECM. GRD. SIZE	(CB2) RATING	NOMINAL VOLTAGE	A.I.C. RATING	TERM. CAPACITY	TORQUE	RECM. SIZE	RECM. FUSING	OUTPUT VOLTAGE	FULL LOAD CURRENT (AMPS)	TERM. CAPACITY	TORQUE	RECM. SIZE	RECM. GRD. SIZE	RECM. FUSING
8KW	5196–108	120V	67A	100A	25,000	12–2 AWG	35 IN/LB	2 GA	100A	8 GA.	100A	120VDC	10,000	12–2 AWG	35 IN/LB	2 GA	125A	120V	67A	12–2 AWG	35 IN/LB	3 GA	8 GA.	100 AMPS

125VDC INPUT
120V OUTPUT
INVERTER SYSYTEM
8KW

IC5196–108

SHEET 3 OF 3 | ISSUE