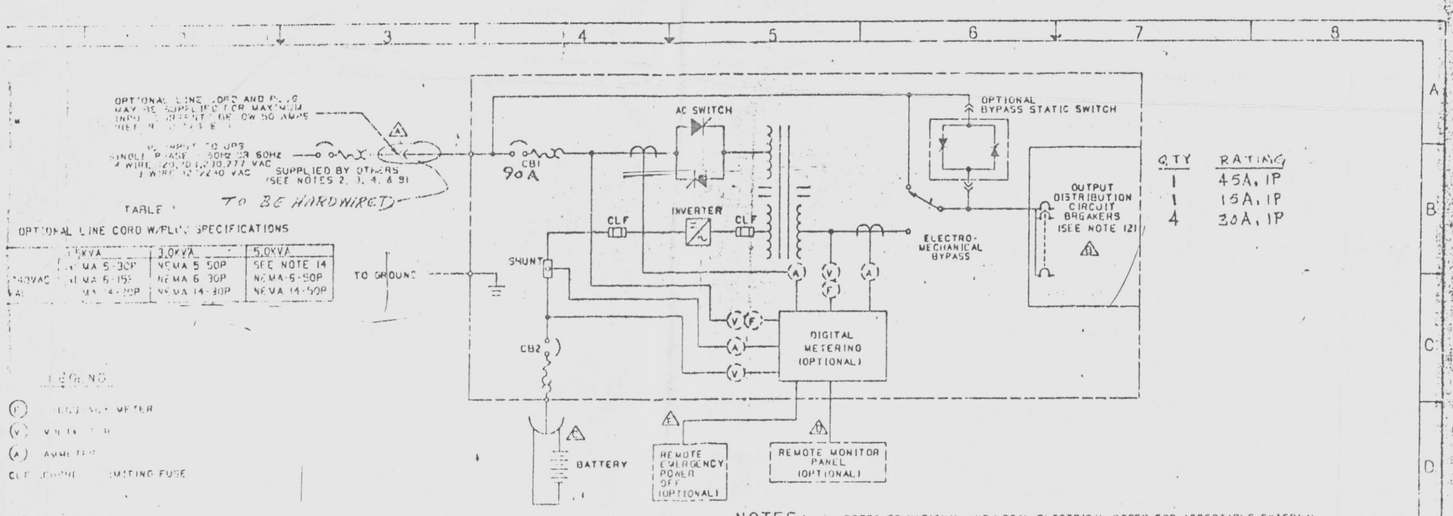

TABLE 1

OPTIONAL LINE CORD WALL PLUG SPECIFICATIONS

TO BE HARDWIRED

	1.5KVA	3.0KVA	5.0KVA
120VAC	NEMA 5-15P	NEMA 5-30P	SEE NOTE 14
208VAC	NEMA 6-15P	NEMA 6-30P	NEMA 6-50P
240VAC	NEMA 6-20P	NEMA 14-30P	NEMA 14-50P

LEGEND

(F) FREQUENCY METER
(V) VOLTMETER
(A) AMMETER
CLF CURRENT LIMITING FUSE

NOTES:

1. REFER TO NATIONAL AND LOCAL ELECTRICAL CODES FOR ACCEPTABLE EXTERNAL WIRING PRACTICES. RATINGS ASSUME NOMINAL INPUT VOLTAGE, REAL LOAD OUTPUT.
2. MATERIAL AND LABOR FOR EXTERNAL WIRING REQUIREMENTS IS TO BE PROVIDED BY OTHERS AND IS NOT SUPPLIED BY EXIDE ELECTRONICS.
3. SOURCE PROTECTION FOR UPS SHOULD BE TREATED AS IF SUPPLYING A SINGLE PHASE TRANSFORMER SUPPLYING THE MAXIMUM CURRENT SPECIFIED IN TABLE 2.
4. EXTERNAL PROTECTION DEVICE FOR INPUT SOURCE MUST BE PROVIDED AND SIZED PER NATIONAL AND LOCAL ELECTRICAL CODES FOR CURRENT REQUIREMENTS LISTED IN TABLE 2.
5. POWER CABLES AND CONTROL WIRING TO BE RUN IN SEPARATE CONDUIT.
6. UNIT TO BE GROUNDED TO SINGLE POINT LOCAL OR UTILITY GROUND. GROUND CONDUCTOR SIZED PER NATIONAL AND LOCAL ELECTRIC CODE REQUIREMENTS.
7. MAXIMUM CURRENT LISTED IS AT THE DC UNDERVOLTAGE TRIP POINT.
8. FOR BATTERIES NOT PROVIDED IN UPS, THE UPS TO BATTERY CABLE TO BE SIZED FOR A TOTAL MAXIMUM VOLTAGE DROP OF 1% NOMINAL DC LINK VOLTAGE AT MAXIMUM CURRENT.
9. WHEN CABLES ARE NOT PROVIDED AC OUTPUT WIRING, AC INPUT WIRING AND DC BATTERY CABLES, EACH TO BE RUN IN SEPARATE CONDUITS.
10. EXTERNAL BATTERY WIRING NOT REQUIRED WHEN INTERNAL BATTERY ONLY IS USED.
11. ALL CIRCUIT BREAKER RATED AT 10,000 AIC MIN.
12. OUTPUT DISTRIBUTION BREAKERS ARE MOLDED CASE, BOLT-ON OF SQUARE D MFG (TYPE QOU)
13. INPUT AND OUTPUT VOLTAGES ARE ALWAYS THE SAME.
14. SYSTEMS NOT SUPPLIED WITH LINE CORD WILL BE CONFIGURED FOR HARD WIRE INSTALLATION. "REFER TO THE "SERIES 1000 UPS HARD WIRE CONFIGURATION DRAWING" FOR INSTALLATION INFORMATION.
15. TEN MINUTE OVERLOAD RATING. NO UPS SHUT DOWN, TRANSFER ONLY.
16. 120V CURRENT MUST BE DIVIDED SUCH THAT NO MORE THAN 50% PER POLE.

TABLE 2

INGS AND EXTERNAL WIRING REQUIREMENTS (SEE NOTES 1,2)

CONNECTION		NOMINAL VOLTAGE	NOMINAL CURRENT 1.5KVA	NOMINAL CURRENT 3.0KVA	NOMINAL CURRENT 5.0KVA	MAXIMUM CURRENT (SEE NOTE 15) 1.5KVA	MAXIMUM CURRENT (SEE NOTE 15) 3.0KVA	MAXIMUM CURRENT (SEE NOTE 15) 5.0KVA
NPUT TO UPS LE PHASE NOTES 1,4,9, 13)	2 WIRE + GND	120	15A	30A	46A	23A	46A	77A
	2 WIRE + GND	208	8.0A	16A	26A	13A	26A	43A
	2 WIRE + GND	230-50HZ	7.0A	15A	24A	12A	24A	40A
	2 WIRE + GND	240	7.5A	14A	23A	11A	23A	38A
	3 WIRE + GND	120/240	7.5A	14A	23A	11A	23A	36A
UTPUT	2 WIRE + GND	120	12.5A	25.0A	41.7A	15.6A	31.2A	52.1A
NOTES 1,6,8, 13)	2 WIRE + GND	208	7.2A	14.4A	24.0A	9.0A	18A	30.0A
	2 WIRE + GND	230-50HZ	6.5A	13.0A	21.7A	8.2A	16.3A	27.2A
	2 WIRE + GND	240	6.3A	12.5A	20.8A	7.8A	15.6A	26.0A
E NOTE 16)	3 WIRE + GND	120/240	12.5/6.3A	25.0/12.5A	41.7/20.8A	15.6/7.8A	31.2/15.6A	52.1/26.0A
INGS TO BATTERY		120 VDC	1 AMP (NOTE 11)	1 AMP (NOTE 11)	1 AMP	23.2A	46.4A	77.4A
NTROL WIRING TO REMOTE MONITOR L NOTE 5)		20 VDC	REQUIRES 9 CONDUCTOR (NO. 14 GAUGE) CABLE WITH MALE TO FEMALE FOR EACH END.					
NTROL WIRING TO REMOTE EMERGENCY MENT OFF (SEE NOTE 5)		120 VAC	REQUIRES 3 CONDUCTOR (NO. 14 GAUGE) CABLE					

NINE MILE POINT NUCLEAR STATION - UNIT 2
BARA MOHAWK POWER CORPORATION
12177, P.O. NO. NMP2-E035A
IPMENT ID NO. 2VBB-UPS1H

EXIDE ELECTRONICS — SERIES 1000 UPS — ONE LINE DIAGRAM — 10611496

STONE & WEBSTER ENGINEERING CORPORATION
NINE MILE POINT NUCLEAR STATION - UNIT 2
NIAGARA MOHAWK POWER CORPORATION
J.O. 12177

MANUFACTURER'S DRAWING DATA FORM

NAME: RESP ENG. G. MODI (E1)
RESP DES. ENG. C. LANE / P. HUHA (E1)

✓ INSTRUCTIONS TO SUPPLIER (E2)

✓	APPROVED	AS DEFINED IN SPECIFICATION
	APPROVED AS REVISED	
	RELEASED FOR FABRICATION	
	RELEASED FOR MATERIAL PURCHASE	

SUPPLIER TO RESUBMIT — QNTY:

	REVISED PRINTS
	REVISED MICROFILM APERTURE CARDS
	FOR REVIEW
	FOR RECORD
✓	NONE REQUIRED

NOTES:

✓ INSTRUCTIONS TO DESIGN (E1)

	I-O	INFORMATION ONLY
	P-L	PRELIMINARY LAYOUT
	P-S	PRODUCTION STUDIES
✓	R&C	REVIEW AND COMMENT
	F-D	FINAL DETAILS
✓	NEW	NEW
	REV.	REVISED

DATE TO DESIGN (E1): C. 7-10-85
REQUIRED RETURN DATE (E1): 7-31-85

(E1) ✓ FOR INFORMATION ONLY — RETURN TO SUPPLIER NOT REQUIRED

DESIGN ENGINEER'S DATE STAMP (D) IN: NOTED JUL 15 1985 C.L. LANE

INSTRUCTIONS TO DESIGN (CIRCLE) I-O P-L P-S R&C F-D NEW REV

DESIGN ENGINEER'S DATE STAMP (D) OUT: NOTED JUL 23 1985 C.L. LANE

INITIALS OF SELECTED REVIEWERS: TR

RESPONSIBLE ENGINEER'S DATE STAMP (E2): NOTED JUL 23 1985

SUPERSEDES S&W FILE NO (E1) (25-34) (35-38)

REMARKS (C) (LIMIT TO 22 CHARACTERS & BLANKS) (53-74)

S&W EQUIP ID CODE (E1) (25-36): 2VBB-UPS1H
AREA DESIGNATION CODES (E1) (75-80)

MFR'S DWG NO (C) (LIMIT TO 24 CHARACTERS & BLANKS) (37-60): 10611496 REV. 1

MFR'S NAME (C) (LIMIT TO 20 CHARACTERS & BLANKS) (61-80): EXIDE

DATE RECD (C)	MONTH	DAY	YR (25-30)	DWG TYPE (E1) (31)	MAX DAYS IN DESIGN (E1) (32-33)
	07	10	85	E	21

FUNCTIONAL TITLE (E1) (LIMIT TO 44 CHARACTERS & BLANKS) (37-80): ONE LINE DIAGRAM FOR 5 KVA UPS

DUP	S&W FILE NO (E1)	(11-20)	(21-24)
	2000115	6	029 042A

JOB ORDER NO: 12177 00 (4-10)

DESIGN GROUP ROUTING (D)

ROUTE ✓		REQUIRED PRINT	REQUIRED MAC	RVW *
	ARCHITECTURE			
	CIVIL			
	CONCRETE			
	STEEL			
	BUILDING SERVICE			
	INSTRUMENT			
	MECHANICAL			
	PIPE SUPPORT			
	STRESS			
	MACHINE DESIGN/VESSEL			
	ELECTRICAL NOTED JUL 15 1985 C.L. LANE			
	LIGHTING			
	MODEL SHOP			
	EXTENSION OFFICE			
	CONTROL			

(C) PROJECT CLERK
(D) RESP. DESIGN ENGINEER
(E1) RESP. ENGINEER - ON DWG RECEIPT
(E2) RESP. ENGINEER - AFTER DWG REVIEW
MAC - MICROFILM APERTURE CARD
* RVW - REVIEWER INITIALS

Ⓜ ATTACH TO MFR'S. DRAWING

ACCEPTABLE FOR MICROFILMING

SI APERTURE CARD

D 9305060100