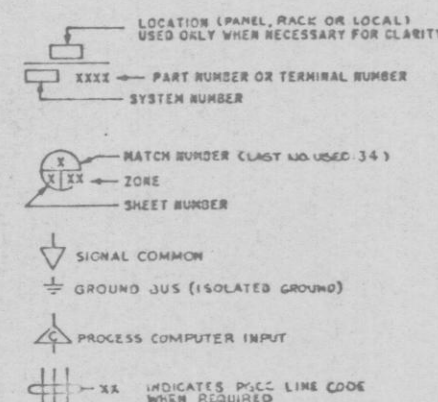


SI	B4	M1	T1	M2	T2	M3	T3	M4	T4
STA	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STB	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STC	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STD	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STF	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STG	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STH	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STI	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STJ	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STK	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STL	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STM	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STN	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STO	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STP	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STQ	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STR	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STS	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STT	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STU	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STV	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STW	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STX	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STY	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5
STZ	SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5	SEE SH 5

REF DESIG	DEVICE	FUNCTION	SWITCH	INDICATOR LAMP	LOCATION
LEVEL A-B	SI	---	---	---	WIB-P808
CONTROL SIGNAL FAILURE "A"	---	---	---	---	WIB-P808
HIGH LEVEL TRIP "A"	S4A	---	---	---	WIB-P808
HIGH LEVEL TRIP "B"	S4B	---	---	---	WIB-P808
HIGH LEVEL TRIP "C"	S4C	---	---	---	WIB-P808
CONTROL SIGNAL FAILURE "A"	---	---	---	---	WIB-P808
CONTROL SIGNAL FAILURE "B"	---	---	---	---	WIB-P808
SETPOINT SETDOWN	S5	---	---	---	WIB-P808

NO.	DESCRIPTION
1	FUNCTION DEVELOPMENT, INSTRUMENTATION, AND REFERENCE DOCUMENTS
2	POWER DISTRIBUTION, I/O, COMPUTER INPUTS
3	INSTRUMENT LOGS, READOUTS, TRIP LOGS
4	INSTRUMENT LOGS, READOUTS
5	INSTRUMENT LOGS

LEGEND



NOTES

- UNLESS OTHERWISE INDICATED, THE FOLLOWING REFERENCE DESIGNATIONS SHALL BE USED:
 - REF. DESIG. NAME REF. DESIG. NAME
 - CODE COMPUTER CODE CODE
 - FILE FILE FILE
 - REL RELISTOR REL
- INTRA-PANEL PROCESS INSTRUMENTATION SIGNAL LEADS SHALL BE BULLED & ROUTED SEPARATELY FROM ALL DC POWER WIRING (EXCEPT AS NOTED).
- ALARM AND TRIP CONTACTS ARE SHOWN IN DE-ENERGIZED/ALARM POSITION UNLESS OTHERWISE NOTED.
- FOR POWER DIST. SEE SH 2, FIG. 1.
- FOR POWER DIST. SEE SH 2, FIG. 2.
- FOR POWER DIST. SEE SH 2, FIG. 3.
- FOR POWER DIST. SEE SH 2, FIG. 4.
- IND. LAMP ARE GE TYPE ET16 AND SUPPLIED WITH PANEL.
- ALARMS ARE TO BE RETRANSMITTED TO BOP COMPUTER PER REF 2.

MPLS REFERENCE DOCUMENTS

- C33-1010 FEEDWATER CONTROL SYS. I.E.D.
- C33-1010 REACTOR M.C. CONTROL ELEM. DIAG. (C33A)
- C33-4010 FEEDWATER CONTROL SYS. DATA SHEET
- B33-1030 REACTOR REC'D. SYS. I.E.D. ELEM. DIAG. (B33A)
- B22-1050 NUCLEAR BOILER PROCESS INST. (B22A)
- A42-4010 SPECIAL WIRE AND CABLE SPEC
- S4W-1010 S.W. LOOP DIAG. 24HC-3, COMPUTER I/O-ALARM

LINE CODES: 1 THRU 64, 70

THIS SHEET: NONE

NO.	DESCRIPTION
1	FEEDWATER CONTROL SYS. I.E.D.
2	REACTOR M.C. CONTROL ELEM. DIAG. (C33A)
3	FEEDWATER CONTROL SYS. DATA SHEET
4	REACTOR REC'D. SYS. I.E.D. ELEM. DIAG. (B33A)
5	NUCLEAR BOILER PROCESS INST. (B22A)
6	SPECIAL WIRE AND CABLE SPEC
7	S.W. LOOP DIAG. 24HC-3, COMPUTER I/O-ALARM

ACCEPTABLE FOR MICROFILMING

STONE & WEBSTER ENGINEERING CORPORATION NINE MILE POINT NUCLEAR STATION - UNIT 2 NIAGARA MOHAWK POWER CORPORATION J. O. 12177		MANUFACTURER'S DRAWING DATA FORM	
INSTRUCTIONS TO SUPPLIER (E2) Comments As Noted APPROVED AS REVISED RELEASED FOR FABRICATION RELEASED FOR MATERIAL PURCHASE		RESP. ENG. <i>James J. Amy</i> (E1) RESP. DES. ENG. <i>N/A</i> (E1) INSTR. 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	
SUPPLIER TO RESUBMIT FOR REVIEW FOR RECORD NONE REQUIRED		DATE TO DESIGN (C) <i>N/A</i> REQUIRED RETURN DATE (E1) <i>N/A</i>	
NOTES: 1. FOR INFORMATION ONLY RETURN TO SUPPLIER NOT REQUIRED		DESIGN ENGINEER'S DATE STAMP (D) DESIGN GROUP ROUTING (D) ROUTE REQUIRED PRINT MAC RVW	
INSTRUCTIONS TO DESIGNER (E1) DESIGN ENGINEER'S DATE STAMP (D) INITIALS OF SELECTED REVIEWERS RESPONSIBLE ENGINEER'S DATE STAMP (E2) SUPERSEDES S&W FILE NO. (E1) (25-34) (35-38) REMARKS (C) (LIMIT TO 22 CHARACTERS & BLANKS) (55-74) S&W EQUIP. I.D. CODE (E1) (25-34) MFR'S DWG. NO. (C) (LIMIT TO 24 CHARACTERS & BLANKS) (37-50) MFR'S NAME (C) (LIMIT TO 40 CHARACTERS & BLANKS) (51-80) DATE MONTH DAY YEAR (11-22) (51-55) RECO (C) 10/15/81 FUNCTIONAL TITLE (E1) (LIMIT TO 44 CHARACTERS & BLANKS) Feederwater Control Sys S&W FILE NO. (E1) (25-34) JOB ORDER NO. 12177 00		ARCHITECTURE CIVIL CONCRETE STEEL BUILDING SERVICE INSTRUMENT MECHANICAL PIPE SUPPORT STRESS MACHINE DESIGN/VESSEL ELECTRICAL 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