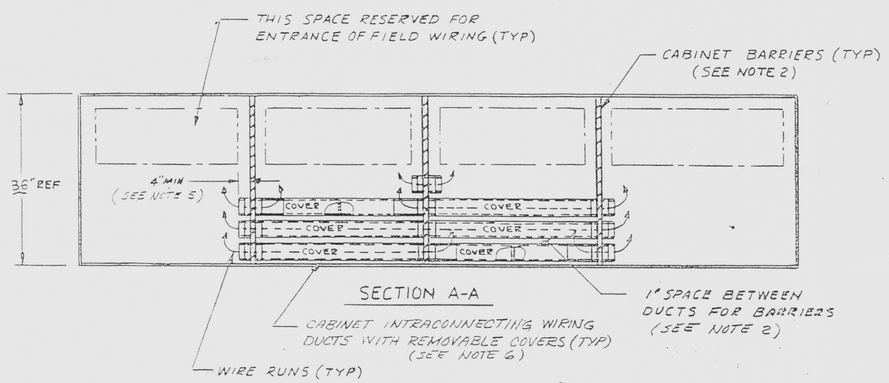
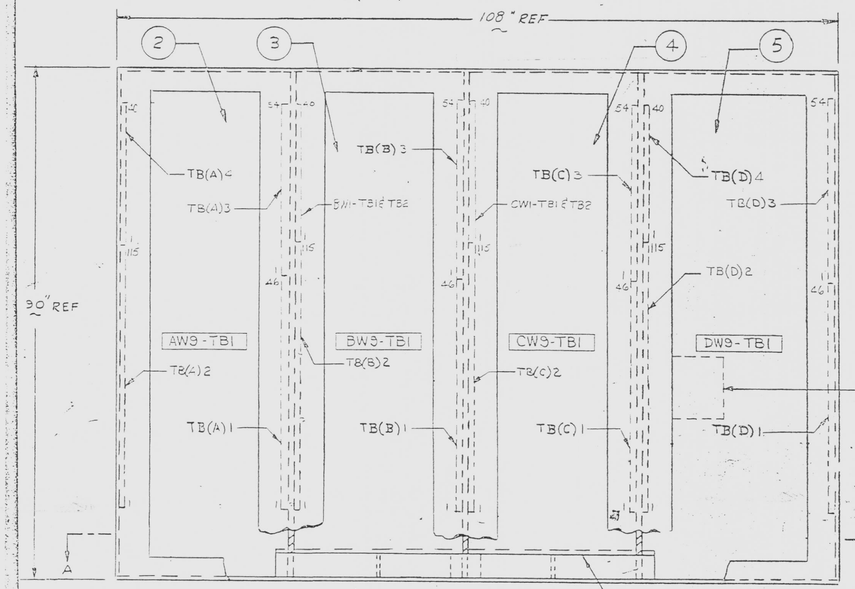
BILL OF MATERIALS
QUANTITIES ARE FOR

GROUP NO. & QUANTITY 6	5	4	3	2	1	ITEM NO.	NAME	PIECE NO.	MATERIAL	REMARKS
					X	14	TRAC-2 ASSEMBLY	E-19367-411-022-14		SEE NOTE 9
				2		15	PUSH BUTTON PB1 & PB2	-15		INTERS. SWITCH 2PB2A-12 WITH ACC
				2		16	METER 150 VDC	-16		WESTON 111-1822150
				1		17	CONNECTOR PAIR J1	E-19367-411-022-17		MS3102-A-20-29S

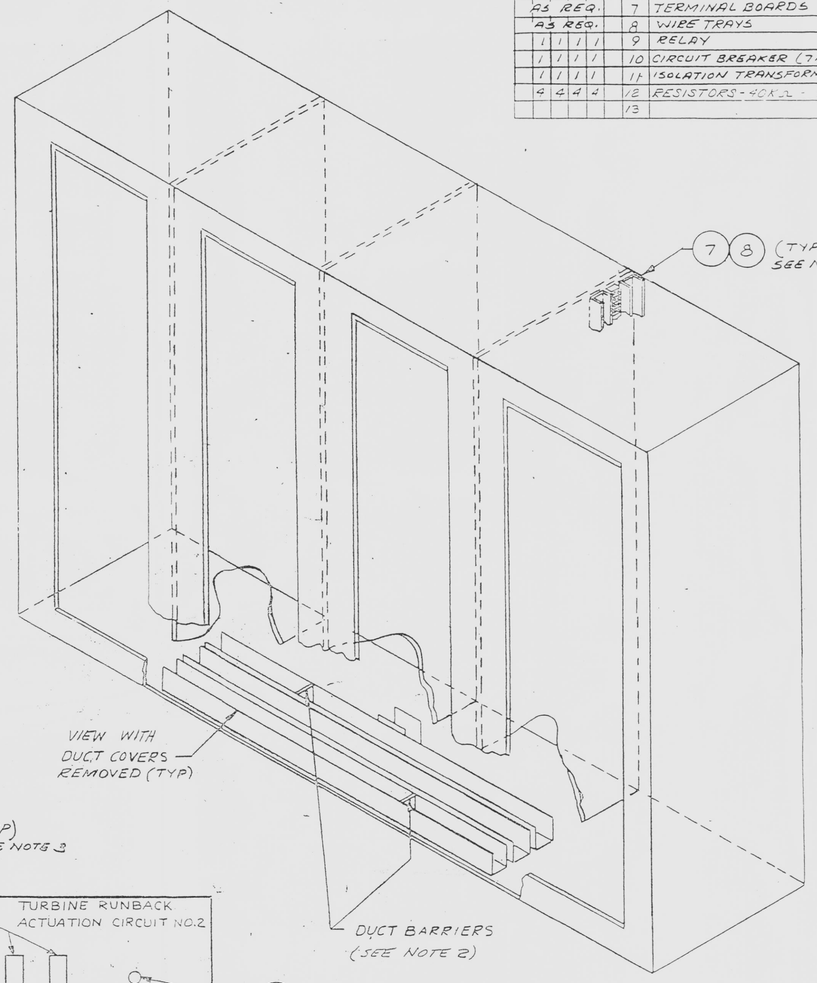
BILL OF MATERIALS
QUANTITIES ARE FOR

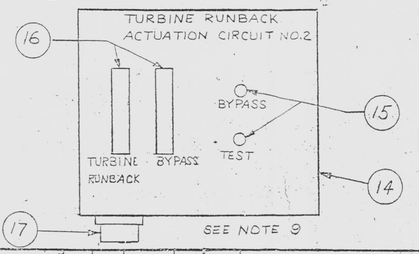
GROUP NO. & QUANTITY 6	5	4	3	2	1	ITEM NO.	NAME	PIECE NO.	MATERIAL	REMARKS
					X	1	N.I.&R.P.S CABINET ASS'Y	D-19367-411-022-1		SEE SPEC 19367-ICE-501
					X	2	CABINET ASS'Y A	-2		
			X			3	B	-3		
		X				4	C	-4		
	X					5	CABINET ASS'Y D	-5		
	1	1	1	1		6	CIRCUIT BREAKER (10 AMP 120 VAC)	-6		HEINEMANN E7A1A1S16
AS REQ.						7	TERMINAL BOARDS	-7		SEE NOTE 4
AS REQ.						8	WIRE TRAYS	-8		PANDUIT TYPE G OR EQUAL
	1	1	1	1		9	RELAY	-9		GE 12NGV13A1A
	1	1	1	1		10	CIRCUIT BREAKER (7 AMP 120 VAC)	-10		HEINEMANN E7KM1D6
	1	1	1	1		11	ISOLATION TRANSFORMER	-11		TRIAD N-64 AC
	4	4	4	4		12	RESISTORS - 40 K Ω - 5 WATT	D-19367-411-022-12		SEE NOTE 7
						13				





1 N.I & R.P.S CABINET ASSY
(FRONT VIEW)





REFERENCE DRAWINGS	
DWG. NO	TITLE
E-19367-411-021	NUCLEAR INSTRUMENTATION & REACTOR PROTECTIVE SYSTEM CABINET ASS'Y, FRONT PANEL LAYOUT

3. TRAC-2 ASSEMBLY SHALL BE MOUNTED IN A FIRE-PROOF BOX INSIDE THE REAR OF CHANNEL "A" SUCH THAT THE COMPONENTS ARE FACING THE REAR OF THE PANEL. CONDUIT SHALL BE RUN FROM THE BOX OUT OF THE PANEL.

7. RESISTORS R1-R4 TO BE MOUNTED ON BOARD AS CLOSE TO RELAY (ITEM 9) AS POSSIBLE SEE DWG E-19367-411-013 SHT. 4

6. BEFORE SHIPMENT OF CABINET ASSY, STUFF ALL CABINET INTRACONNECTING WIRING DUCTS WITH FIREPROOF FILLING MATERIAL SUBJECT TO CENPD APPROVAL.

5. CONDUITS TERMINATING IN A CABINET SHALL EXTEND A MINIMUM OF 4" FROM FIREPROOF BARRIER.

4. ALL TERMINAL BLOCKS SHALL BE MEDIUM AND/OR HEAVY DUTY TYPE INDUSTRIAL BLOCKS SUBJECT TO CENPD APPROVAL.

3. LOCATION OF ITEMS 6 THRU 12 AND 14 THRU 17 ARE SUBJECT TO CENPD APPROVAL. LOCATIONS SHOWN ARE FOR REFERENCE ONLY.

2. FIREPROOF ISOLATION BARRIERS SHALL BE PROVIDED AT POSITIONS SHOWN. REFER TO SPEC. NO. 19367-ICE-501 FOR DETAILED BARRIER REQUIREMENTS.

1. ALL EDGES, THAT MIGHT COME IN CONTACT WITH CABLES SHALL BE COVERED WITH PROTECTIVE SLEEVES.

REV.	DESCRIPTION	BY & DATE	CHK. & DATE	ENG. APPD	PROJ APPD
05	DELETED [ITEM 13] UPGRADED TO "AS BUILT" PER REQ#19367-336	11/11 12-2-71	CJ 12/14/71	[illegible] 12-8-71 [illegible] 12-14-71	[illegible] 12/14/71 [illegible] 12/16/71

REV.	DESCRIPTION	PROJ APPD	BY & DATE	CHK. & DATE	ENG. APPD
03	ADDED: DW3-TB1, BW3-TB1, CW3-TB1, DW3-TB1, BW1-TB1-2, CW1-TB1-2 TO FRT VIEW OF CAB. REVISED [DEPTH OF CAB. WAS 30] PER REV. REQ #19367-128	[illegible] 10-5-71	RJS 11/1/71	S 11/1/71	[illegible] 10-18-71
04	DELETED: BW1-TB1-2, CW1-TB1-2 FROM FRT VIEW SHOWN ON REVISION 03 & WAS ADDED TO REAR VIEW CAB. WITH NOTE 6, ADDED TERMINAL STRIPS TO FRT VIEW CAB. PER REV REQ #19367-168	[illegible] 11/29/71	RJS 11/29/71	12-20-71	12-20-72

REV.	DESCRIPTION	PROJ APPD	BY & DATE	CHK. & DATE	ENG. APPD
01	UPGRADED TO "APPD FOR DES" PER REV REQ# 19367-98	[illegible] 2/1/71	[illegible] 2/1/71	CJ 2/11/71	[illegible] 2/19/71
02	ADDED: ITEMS 7, TB(A)-7, TB(A)-8, TB(D)2, TB(D)1, TB(D)-7, TB(D)-8, TERMINAL BOARDS (E.R.S.) & I.L. & COMPONENTS CIRCUIT NO.2 (A1); NOTE #9; PER REV. REQ. 19367-113	[illegible] 7/8/71	[illegible] 7/8/71	[illegible] 7-8-71	[illegible] 9-8-71

DRAWN BY: [illegible] DATE 11-15-70
CHECKER: [illegible] 2-15-71
APPROVALS: [illegible]
[illegible]

THIS DRAWING IS THE PROPERTY OF COMBUSTION ENGINEERING, INC. NUCLEAR POWER DEPARTMENT WINDSOR, CONNECTICUT AND IS NOT TO BE REPRODUCED, OR USED TO FURNISH ANY INFORMATION FOR MAKING OF DRAWINGS OR APPARATUS EXCEPT WHERE PROVIDED FOR BY AGREEMENT WITH SAID COMPANY.

NUCLEAR INSTRUMENTATION & REACTOR PROTECTIVE SYSTEM CABINET ASSEMBLY

D-19367-411-022 05

SHEET OF REV.

AS-BUILT

COMPONENT CODE # 91-2552-6000

FLORIDA POWER & LIGHT CO.
HUTCHINSON ISLAND PLANT — UNIT NO. 1
1973 — 890 MW INSTALLATION

D-19367-411-022
05

RECEIVED
FEB 26 1972
EBASCO SERVICES
ST. LUCIE PLANT

8770-1295 R4

EBASCO SERVICES INCORPORATED

7-28 71

E