CAR-2165
G-808

NOTES:

1. LOCATE CONNECTION CLOSE TO TANK ISOLATION VALVES.
2.
3. FLANGES FOR FLOW METERING ORIFICE TO VERIFY FLOW DURING PRE-OPERATIONAL TESTING.
4. 3 IN. 150 LB. RAISED FACE STUDDING OUTLET.
5. 1 1/2 IN. 150 LB. RAISED FACE STUDDING OUTLET.
6. ALL (W) ITEM NO. ON THIS DWG. ARE SHOWN WITHOUT PREFIX CQLS1.
7. ALL INSTRUMENTS FURNISHED BY WESTINGHOUSE EXCEPT THOSE INDICATED WITH **
8.
9. ADJUST VALVES IN FIELD TO BALANCE INJECTION LINE FLOW AND TO LIMIT PUMP RUNOUT, THEN LOCK IN POSITION.
10. LOOP TO EXTEND 12" BELOW AND ABOVE OVERFLOW NOZZLE. TOTAL LINE LENGTH INCLUDING LOOP TO BE AS SHORT AS POSSIBLE.
11. PIPE MUST BE AT LEAST 3" LONG FROM WELD OF FLANGE TO EDGE OF VALVE
12.
13. TEMPORARY STRAINER FOR INITIAL FLUSHING - REMOVE BEFORE START-UP

DOCUMENT CONTROL
RETAIN THIS
DRAWING

DOCUMENT CONTROL
RECEIVED
JUL 21 1980
SHEARON HARRIS N.P.P.

INCORP. IN THIS REVISION
DCN-FD-0069, 0158

NO.	DATE	REVISION	BY	CH.	APPROVED
8	7/1/80	REVISED: (G10,16) INST. PIPING (E3 TO E8, E1 TO E16) VALVE TAG NOS. ADDED: (H16, I16) NOTES (K8,18) ASTERISKS, (L9,L15) NOTE 8.	MB	PA	
7	3-27-79	REVISED: (J6) ORIFICE ADDED: (I4) LINE NO. DELETED: (J8, K4, M10) FT.	J.Y.H	C.S.	
6	9-26-78	REVISED: (K12, N13) LINE SIZE. (K3, L9) INSTR LOC. (G1) SAFE TRAIN. (M10) LINE NUMBER (SEE P.) PIPING ADDED: (E8, M11, P7) FLOW IN DICATOR. (K5, R5 D, L4&) FLAG (K3, K10, M10) LINE NO'S (K9, M9) SPEC BAR. (K, I8) REF. DWG DELETED: (K12, M15) RED.	T.V.T	B.M.	
5	6-10-77	ADDED " APPROVED FOR CONSTRUCTION" APPLICABLE REVISED: (J7, J8, L11, N5) PP8, G4, G5 ADDED: PACKLESS VA. DESIGNATION DELETED "APPROVED FOR CONSTRUCTION" APPLICABLE	B.W.	F.Y.	
4	9-27-76	REVISED: (B1, B13, C6, C8, D1, G4, G4 (4) DRAINS (F2) PIPING (J1) (C6) (K4, L8) SAF. TRAIN (H5, P3, P4) DUAL PHYSICAL LAYOUT ADDED: E8, T.W. (E12 THRU E11) VALVES (J8, G10) INSTR (K6) HEAT TRACING (E13) NOTE (K5, L8 LINE NO. (M5) DR. DELETED: (M1, Z1) NOTE (J11) TEST VENT (D1, (A2, D8, F8) SAF CLASS.	B.W.	H.P.	
3	10-16-75	REVISED: (G15) VA NO. ADDED: (G3) ORIF. NO. (C8, B13, C9, D2, P8, P9, L5, P5, P8, K4) LINE NO'S (L7) NOTES DELETED: (G4, J16) " NOT RELEASED" (D17) NOTE (G6, G4, A12, G4, K5, M2) SAFETY CL. BREAK.	C.G.	P.A.	
2	10-30-74	REVISED: (K-3) (G-1, 3, H10) (C-6, 8) (D-5, K) (E-7, 13) TEST CONN. TEST VENT OR SAMPLE COMB. WITH DRAIN (L-14, K-10) PIPING ADDED: (K, M-5) (D-3, 5, 7) (G-12, 13) (F-8, 17) DRAINS (H-8) OVERFLOW (L-17) NOTE 10 (D-17) LINE NO. RELOC: (G-1) INSTR (I-3) VENT, DELETED: (J, K-9) LINE NO'S.	G.B.	C.G.	
1	10-23-73	DELETE (G, B-2) VENT & DRAIN ADDED: (D-3, D-7) (H-2, 3) NOTE (J-9) LINE NOS., (K-1, 8) INSTRING REV. (E-5) (K-4) SAF. TRAIN	G.K.	P.A.	

NUCLEAR SAFETY RELATED

CAR-2165
G-808

APPROVED FOR CONSTRUCTION

THIS DRAWING IS A REPRODUCTION OF THE CORRESPONDING WESTINGHOUSE DRAWING.
WEST. DWG. NO. 1AE968-3H 1073 SUB. 4
(EBASCO FILE NO. 1384 - 17 REV. 5)
DRAWING HAS BEEN ALTERED, AS NECESSARY, FOR THE SHEARON HARRIS NUCLEAR POWER PLANT.

THIS DOCUMENT IS DELIVERED IN ACCORDANCE AND COMPLIANCE WITH THE PROVISIONS OF SECTION X OF THE CONTRACT BETWEEN CAROLINA POWER & LIGHT COMPANY AND EBASCO SERVICES INCORPORATED DATED SEPTEMBER 1, 1970, AS AMENDED.

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

FLOW DIAGRAM
SAFETY INJECTION SYSTEM
SHEET 1
UNIT 1

EBASCO SERVICES INCORPORATED

SCALE: NONE	APPROVER	DATE 8-13-73
DIV. MECH		CAR-2165 G-808
DR. [illegible]		
CH. [illegible]		

REFERENCE DRAWINGS

LIST OF DRAWINGS	CAR-1364-B-25
PIPING LINE LIST	CAR-1364-B-070
VALVE & SPECIALTY LIST	CAR-1364-B-069
INSTRUMENT LIST	CAR-2166-B-451
FLOW DIAGRAM LEGEND	CAR-2165-G-001
VL SYS	CAR-2165-G-162

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PRC
APERTURE
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