2998-G-195

FLOOR PLAN EL -0.50'

SECT A-A (F-2)

SECT C-C (G-10)

SECT D-D (G-11)

SECT E-E (PUMP 2B) (E-6)

SECT F-F (F12)

SECT G-G (PUMP 2A) (G-7)

SECT H-H (F-4)

SECT J-J (E-6)

SECT B-B (PUMP 2C) (F-4)

GENERAL NOTES:

ALL PIPING TO CONFORM TO EBASCO PIPING LINE LIST DRAWING 2998-B-052 & 2998-FLO-099

NO ALLOWANCE HAS BEEN MADE FOR WELDS OR GASKETS.

ELBOWS TO BE LONG RADIUS AND INDICATED BY SHARP CORNERS; ALL PIPING 2 INCHES AND SMALLER, EXCEPT WHERE DIMENSIONED ON DRAWINGS TO BE FIELD RUN. AS DIRECTED BY FIELD ENGINEER

FOR SMALL BRANCH PIPE CONNECTIONS, SEE DESIGN GUIDES M4-20 AND M4-21 AND THE PIPING LINE LIST.

FIELD TO SET ALL PIPE SLEEVES IN CONCRETE BEFORE CONCRETE IS PLACED. SEE CONCRETE HYDRAULIC DRAWINGS FOR TYPICAL DETAILS OF PIPE SLEEVES AND PIPE OPENINGS REQUIRING SPECIAL FRAMING.

PIPING WILL NOT BE CUT FOR COLD SPRING.

DESIGN AND LOCATION OF PIPE HANGERS FOR THE SUPPORT OF DEAD WEIGHT BY HANGER FABRICATOR.

ANCHORS AND RESTRAINTS FOR SEISMIC PROTECTION TO BE DESIGNED BY HANGER FABRICATOR AT THE LOCATIONS SHOWN ON THE EBASCO STRESS ANALYSIS ISOMETRICS.

OPENINGS 8 INCHES IN DIAMETER AND OVER FOR SHOP FABRICATED PIPING, IN GRATING AND CHECKERED PLATE FLOORS, SHALL BE PROVIDED IN THE SHOP. ALL OTHER OPENINGS ARE TO BE PROVIDED IN THE FIELD.

ALL OPENINGS, EXCEPT THOSE FOR STRESS ANALYZED PIPELINES, SHALL CLEAR PIPE INSULATION BY A MINIMUM OF 1 INCH BEYOND EXTREME PIPE MOVEMENT.

ALL PIPING CONNECTIONS TO PENETRATION SHALL BE FABRICATED TO ALLOW FOR VARIANCE IN STEEL CONTAINMENT DUE TO CONSTRUCTION TOLERANCE & SHRINKAGE DUE TO STRESS RELIEVING.

(P) DENOTES PIPING PENETRATIONS

THE HANGER FABRICATOR SHALL DESIGN AND LOCATE RESTRAINTS (SNUBBERS, STOPS OR RIGID HANGERS, ACCORDING TO PIPE MOVEMENT REQUIREMENTS) SO AS TO RESIST THE THRUST OF SAFETY VALVES WHEN THEY ARE DISCHARGING.

REFERENCE DRAWINGS

LIST OF DRAWINGS	2998-A-146
INSTRUMENT LIST & PIPE, VALVES & INSTRUMENT SYMBOLS	2998-B-230
PIPING LINE LIST	2998-B-052
VALVE & SPECIALTY LIST	2998-A-051
P&I DIAGRAM - SHEET #2 REACTOR CONTAINMENT BLDG. PIPING PENETRATIONS	2998-G-213
CHEMICAL & VOLUME CONTROL PIPING - SHEET #2	2998-G-196
MISCELLANEOUS PIPING REACTOR AUX. BLDG SHT 1	2998-G-161
FLOW DIAGRAM - FIRE WATER, DOMESTIC & MAKE-UP SYSTEMS	2998-G-084
WASTE MGMT. PIPING PLAN SHT. 1	2998-G-201
ION EXCHANGER PIPING PLAN - FLOW DIAGRAM - CHEMICAL AND VOLUME CONTROL SYSTEM	2998-G-216
P&I DIAGRAM - SHEET #1	2998-43 CE DWG E-13172-310-120
P&I DIAGRAM - SHEET #2	2998-50 CE DWG E-13172-310-121
P&I DIAGRAM - SHEET #3	2998-GG46 CE DWG E-13172-310-122

Docket # 50-335 Control # 8104110466 of Document REGULATORY DOCKET FILE

1/4" = 1'-0

NUCLEAR SAFETY RELATED

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FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT
1983-890MW(e) EXTENSION-UNIT NO:2
CHEMICAL & VOLUME CONTROL
PIPING - SHEET 1

EBASCO SERVICES INCORPORATED NEW YORK

NO.	DATE	REVISION	BY	CH.	APPROVED
6	3/24/80	ADDED: (B15) DIM	J.K.	S.R.	CWD JF
5	12/24/79	REVISED: (D5) NOTE; (A11, H13, I4, M7) LINE NO'S (D9) DIM; (E5, G, 7, L5, N3, 5, 7) PIPING; (E3, 5, 7, C, E, G14, 15) SUCT. STAB. & PULSATION DAMP.; (C5, G14) INSTR.; (J, K18) DWG. LIST; (G9, M6, N6) VA. N°; ADDED: (D8, F6, G4, I4, N6) LINE N°S; (G4, I14, N6) VA. N°S; (M6, N6) DIM; (N3, 5, 7) INSTR.; (I15) CL. BRK.; DELETED (M15) NOT REL.; (E5, 7) INSTR. THE FOLLOWING OCR# 93, 469; REVISED: (1G) VENT; (M10, 12) PIPING ADDED: (B2, F3, F11, I14) DIM.; (B1) ELEV.; (B14) VENT; (D15, 16, D15 G15, J5, M11) VALVE	J.K.	S.R.	CWD JF
4	9/15/78	REVISED, REDRAWN, AND APPROVED. SEE VOIDED ORIGINAL DRAWING FOR PREVIOUS REVISION'S.	M.R.	G.S.	MM JF

SCALE 1/4"=1'-0" AND AS NOTED — APPROVED — DATE 9-15-78
DIV. MECH.
DR. M. RYAN
CH. G. SWENGLER — A.S. | M.M. | R.G.
2998-G-195