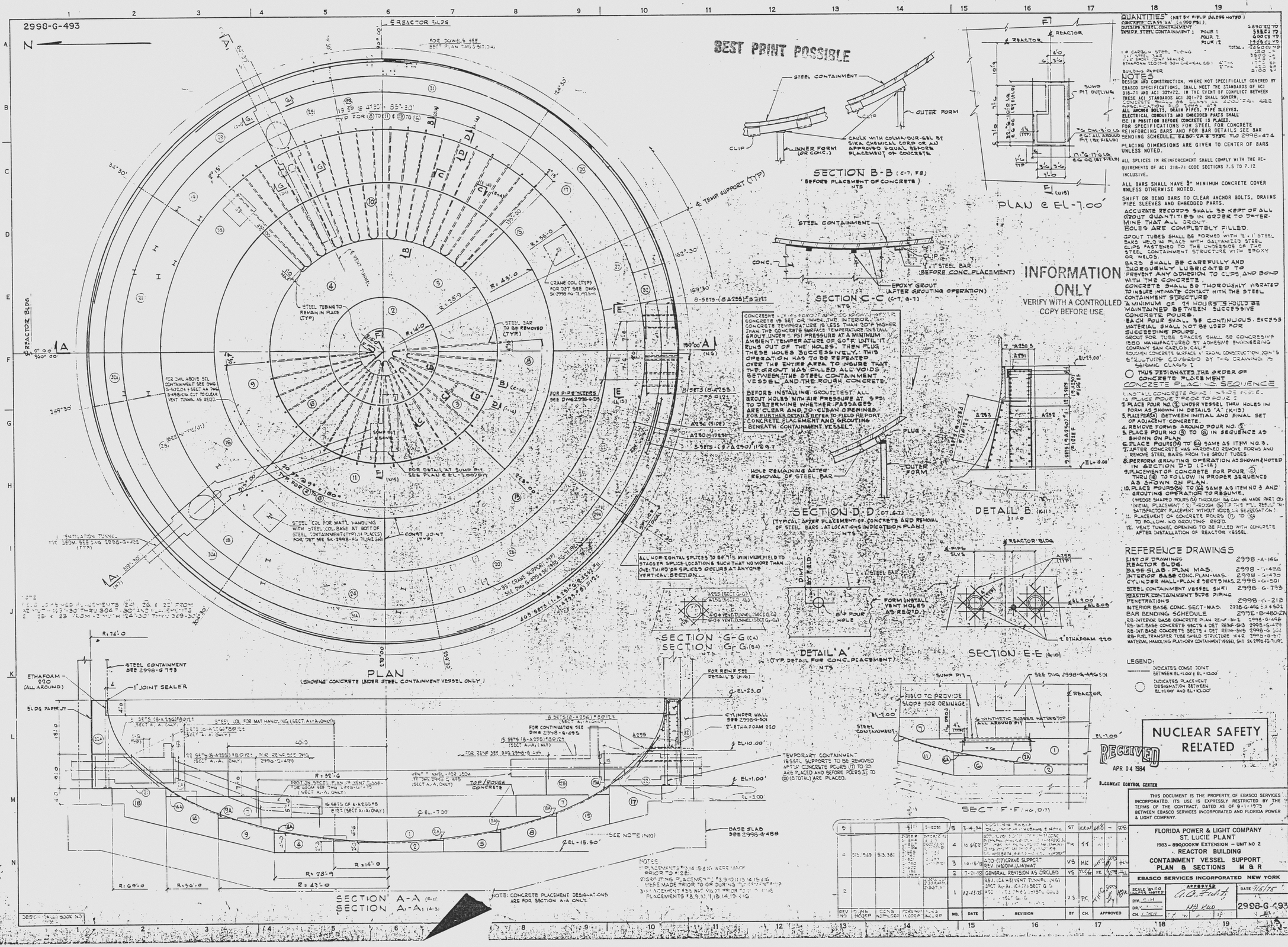
2998-G-493

BEST PRINT POSSIBLE



QUANTITIES (NET BY FIELD UNLESS NOTED)

CONCRETE - CLASS 'AA' (5,000 PSI).
OUTSIDE STEEL CONTAINMENT:
INSIDE STEEL CONTAINMENT: POUR 1 ... POUR 2 ... POUR 12 ... TOTAL:
1" Ø CARBON STEEL TUBING
#11 STEEL BARS
#11 STEEL BARS (ONE HEATER)
ETHAFOAM 220 (THE DOW CHEMICAL CO.)
BUILDING PAPER

NOTES

DESIGN AND CONSTRUCTION, WHERE NOT SPECIFICALLY COVERED BY EBASCO SPECIFICATIONS, SHALL MEET THE STANDARDS OF ACI 318-71 AND ACI 307-72. IN THE EVENT OF CONFLICT BETWEEN THESE ACI STANDARDS ACI 301-72 SHALL GOVERN.
CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304-73, SEE SPECIFICATION C-23, SUBSECTION 3.3.
ALL ANCHOR BOLTS, DRAIN PIPES, PIPE SLEEVES, ELECTRICAL CONDUITS AND EMBEDDED PARTS SHALL BE IN POSITION BEFORE CONCRETE IS PLACED.
FOR SPECIFICATIONS FOR STEEL FOR CONCRETE REINFORCING BARS AND FOR BAR DETAILS SEE BAR BENDING SCHEDULE SK-2998-SC-71 & 925-11 & 2998-G-473.
PLACING DIMENSIONS ARE GIVEN TO CENTER OF BARS UNLESS NOTED.
ALL SPLICES IN REINFORCEMENT SHALL COMPLY WITH THE REQUIREMENTS OF ACI 318-71 CODE SECTIONS 7.5 TO 7.12 INCLUSIVE.
ALL BARS SHALL HAVE 3" MINIMUM CONCRETE COVER UNLESS OTHERWISE NOTED.
SHIFT OR BEND BARS TO CLEAR ANCHOR BOLTS, DRAINS PIPE SLEEVES AND EMBEDDED PARTS.
ACCURATE RECORDS SHALL BE KEPT OF ALL GROUT QUANTITIES IN ORDER TO DETERMINE THAT ALL GROUT HOLES ARE COMPLETELY FILLED.
GROUT TUBES SHALL BE FORMED WITH ¼" I.D. STEEL BARS WELDED IN PLACE WITH GALVANIZED STEEL CLIPS FASTENED TO THE UNDERSIDE OF THE STEEL CONTAINMENT STRUCTURE WITH EPOXY OR WELDS.
BARS SHALL BE CAREFULLY AND THOROUGHLY LUBRICATED TO PREVENT ANY ADHESION TO CLIPS AND BOND WITH THE CONCRETE.
CONCRETE SHALL BE THOROUGHLY VIBRATED TO INSURE INTIMATE CONTACT WITH THE STEEL CONTAINMENT STRUCTURE.
A MINIMUM OF 24 HOURS SHOULD BE MAINTAINED BETWEEN SUCCESSIVE CONCRETE POURS.
EACH POUR SHALL BE CONTINUOUS. EXCESS MATERIAL SHALL NOT BE USED FOR SUCCEEDING POURS.
GROUT FOR TUBE SPACES SHALL BE CONCRESIVE 1580 MANUFACTURED BY ADHESIVE ENGINEERING COMPANY SAN CARLOS CALIF.
ROUGHEN CONCRETE SURFACE AT RADIAL CONSTRUCTION JOINTS
STRUCTURES COVERED BY THIS DRAWING IS SEISMIC CLASS 1.
○ THUS DESIGNATES THE ORDER OF CONCRETE PLACEMENT

CONCRETE PLACING SEQUENCE

1. INSTALL CONCRETE POUR NO. 1 INSIDE VESSEL IN 2 PIECE PIPE TO POUR
2. PLACE POUR NO. ② UNDER VESSEL THRU HOLES IN FORM AS SHOWN IN DETAILS 'A' (K-10)
3. PLACE POUR ⑥ BETWEEN INITIAL AND FINAL SET OF ADJACENT CONCRETE.
4. REMOVE FORMS AROUND POUR NO. ①.
5. PLACE POUR NO ③ TO ⑤ IN SEQUENCE AS SHOWN ON PLAN
6. PLACE POURS ⑦A TO ⑫ SAME AS ITEM NO. 5.
7. AFTER CONCRETE HAS HARDENED REMOVE FORMS AND REMOVE STEEL BARS FROM THE GROUT TUBES.
8. PERFORM GROUTING OPERATION AS SHOWN & NOTED IN SECTION D-D (L-18)
9. PLACEMENT OF CONCRETE FOR POUR ③ THRU ⑯ TO FOLLOW IN PROPER SEQUENCE AS SHOWN ON PLAN.
10. PLACE POURS ⑬A TO ⑯ SAME AS ITEM NO 3 AND GROUTING OPERATION TO RESUME.
(WEDGE SHAPED POURS ⑭ THROUGH ⑯ CAN BE MADE PART OF INITIAL PLACEMENT ⑬ THROUGH ⑯ IF THE WELL RESULT IN UNSATISFACTORY PLACEMENT WITHOUT JOINTS OR SEGREGATION).
11. PLACEMENT OF CONCRETE POURS ⑰ TO ⑲ TO FOLLOW, NO GROUTING REQ'D.
12. VENT TUNNEL OPENING TO BE FILLED WITH CONCRETE AFTER INSTALLATION OF REACTOR VESSEL

REFERENCE DRAWINGS

LIST OF DRAWINGS	2998-A-146
REACTOR BLDG. BASE SLAB - PLAN MAS.	2998-G-488
INTERIOR BASE CONC. PLAN-MAS.	2998-G-470
CYLINDER WALL - PLAN & SECTS MAS.	2998-G-501
STEEL CONTAINMENT VESSEL SHT 1	2998 G-193
REACTOR CONTAINMENT BLDG PIPING PENETRATIONS	2998 G-213
INTERIOR BASE CONC. SECT-MAS.	2998-G-496 & 501
BAR BENDING SCHEDULE	299E-B-480-2A
RB-INTERIOR BASE CONCRETE PLAN REINF-SH 2	2998-G-488
RB-INT BASE CONCRETE SECTS & DET REINF-SH 3	2998-G-470
RB-INT-BASE CONCRETE SECTS & DET REINF-SH 5	2998-G-502
RB-FUEL TRANSFER TUBE SHIELD STRUCTURE W 42	2998-G-517
MATERIAL HANDLING PLATFORM CONTAINMENT VESSEL SH 1	SK-2998-SC-71, 925

LEGEND:
——— INDICATES CONST JOINT BETWEEN EL +1.00' & EL +10.00'
○ INDICATES PLACEMENT DESIGNATION BETWEEN EL +1.00' AND EL +10.00'

NUCLEAR SAFETY RELATED

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REV NO	DATE	REVISION	BY	CH.	APPROVED
5	3-14-84	[illegible]			
4	10-6-82	[illegible]	TK	11	
3	10-15-78	ADD (17) CRANE SUPPORT SEE W/SOM (LL) & MAT	VS	HK	
2	7-21-78	GENERAL REVISION AS CIRCLED	VS	HK	
1	12-23-75	REV. (C4 & H3) VENT. TUNNEL (NG) SECT A1-A1, (C-3 & I-3) SECT G-G, SECT A1-A1, (C-3 & I-3) SECT G-G	VS	PK	

FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT
1983 - 890,000KW EXTENSION - UNIT NO 2
REACTOR BUILDING
CONTAINMENT VESSEL SUPPORT
PLAN & SECTIONS M & R
EBASCO SERVICES INCORPORATED NEW YORK

SCALE 1/8"=1'0" UNLESS NOTED | APPROVED | DATE 7/5/75
DWN [illegible] | C.A. Fiehl | 2998-G-493
DES. [illegible] | CH. [illegible]

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