



CURRENT A.C.I. STANDARDS SHALL GOVERN FOR ALL DESIGN AND CONSTRUCTION UNLESS OTHERWISE NOTED.
CONCRETE SHALL BE CLASS B 3000 PSI
SEE SPECIFICATION, FIG. 3000 PB
ALL ANCHOR BOLTS, DRAIN PIPES, PIPE SLEEVES,
ELECTRICAL CONDUITS AND EMBEDDED PARTS SHALL
BE IN POSITION BEFORE CONCRETE IS PLACED.
FOR SPECIAL CONDITIONS, SEE SPECIAL ORDER, CONCRETE
REINFORCING BARS AND FOR BAR DETAILS SEE BAR
ENDING SCHEDULE, 5400.2A & SPEC. 03.702A &
LOADING DIMENSIONS ARE GIVEN TO CENTER OF BARS

3. THE CONTRACTOR SHALL OBTAIN ALL INFORMATION AS TO THE REQUIREMENTS OF CURRENT ACI STANDARDS FOR REPAIRS, BUT IN NO CASE SHALL TAP BE LESS THAN 1/4" IN DIAMETER AND 1/4" THICK.

4. ALL REPAIRS SHALL BE MINIMUM 2" CONCRETE COVER OVER REINFORCING BARS.

5. REINFORCING BARS SHALL BE WELDED TO EXISTING BARS OR WELDED BARS TO CLEAR ANCHOR BOLTS, DRUMS, REINFORCING AND EMBEDDED PARTS.

6. ALL RECORDS SHALL BE KEPT OF ALL REPAIRS, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THAT ALL PLASTIC TUBE GROUT ROLES ARE COMPLETELY FILLED.

7. GROUT TUBES SHALL BE 1/2" POLYETHYLENE TUBING WITH TAPES UNDER THE SURFACE OF THE STEEL CONTAINMENT. TUBES SHALL BE OF SUITABLE ADHESIVE TAPE.

8. TUBES SHALL BE CAREFULLY AND THOROUGHLY PREPARED TO PREVENT ANY ADHESION TO TAPES AND BOND WITH THE CONCRETE.

9. TUBES SHALL BE THOROUGHLY VIBRATED TO INSURE INTIMATE CONTACT WITH THE STEEL CONTAINMENT STRUCTURE.

10. EACH TUBE SHALL BE REMOVED AS SHOULD BE MAINTAINED BETWEEN SUCCESSIVE CONCRETE POURS.

11. EACH POUR SHALL BE CONTINUOUS. EXCESS MATERIAL SHALL NOT BE USED FOR SUCCEEDING POUR.

12. THE CONTRACTOR SHALL BE USING A LOW VISCOSITY EPOXY POLYARLIDIDE GROUT BY Sika Chemical Corp. OR APPROVED EQUIV. ROUGHEN

ION JOINTS.

○ THUS DESIGNATES THE ORDER OF CONCRETE PLACEMENT

CONCRETE PLACING SEQUENCE

1. INITIAL CONCRETE POUR (1) INSIDE VESSEL
2. PLACE POUR NO. (2) UNDER TAP, NO. 10-11
3. FORM AS SHOWN IN DETAILS "A" (1" X 1")
4. SQUEEZE (2) BETWEEN INITIAL AND FINAL SET
5. REMOVE FORMS
6. REMOVE FORMS AROUND POUR NO. (2)
7. SQUEEZE POUR NO. (3) TO (1) IN SEQUENCE AS SHOWN
8. PLACE POUR NO. (4) IN SAME AS ITEM NO. 5
9. REMOVE FORMS AS HARBINED REMOVE FORMS
10. REMOVE AND REMOVE FORMS
11. PERFORM GROUTING OPERATIONS AS SHOWN
12. REMOVE FORMS
13. PLACE FORMS OF CONCRETE FOR POUR NO. 7
14. THROUGH (8) TO FOLLOW IN PROPER SEQUENCE
15. REMOVE FORMS
16. PLACE POUR NO. (9) IN SAME AS ITEM NO. 5
17. REMOVE FORMS
18. PERFORM GROUTING OPERATIONS AS SHOWN
19. REMOVE FORMS
20. PLACE FORMS OF CONCRETE FOR POUR NO. 10
21. THROUGH (9) TO FOLLOW IN PROPER SEQUENCE
22. REMOVE FORMS
23. PLACE POUR NO. (11) IN SAME AS ITEM NO. 5
24. REMOVE FORMS
25. PERFORM GROUTING OPERATIONS AS SHOWN
26. REMOVE FORMS
27. PLACE FORMS OF CONCRETE FOR POUR NO. 12
28. THROUGH (11) TO FOLLOW IN PROPER SEQUENCE
29. REMOVE FORMS
30. PLACE POUR NO. (13) IN SAME AS ITEM NO. 5
31. REMOVE FORMS
32. PERFORM GROUTING OPERATIONS AS SHOWN
33. REMOVE FORMS
34. PLACE FORMS OF CONCRETE FOR POUR NO. 14
35. THROUGH (13) TO FOLLOW IN PROPER SEQUENCE
36. REMOVE FORMS
37. PLACE POUR NO. (15) IN SAME AS ITEM NO. 5
38. REMOVE FORMS
39. PERFORM GROUTING OPERATIONS AS SHOWN
40. REMOVE FORMS
41. PLACE FORMS OF CONCRETE FOR POUR NO. 16
42. THROUGH (15) TO FOLLOW IN PROPER SEQUENCE
43. REMOVE FORMS
44. PLACE POUR NO. (17) IN SAME AS ITEM NO. 5
45. REMOVE FORMS
46. PERFORM GROUTING OPERATIONS AS SHOWN
47. REMOVE FORMS
48. PLACE FORMS OF CONCRETE FOR POUR NO. 18
49. THROUGH (17) TO FOLLOW IN PROPER SEQUENCE
50. REMOVE FORMS
51. PLACE POUR NO. (19) IN SAME AS ITEM NO. 5
52. REMOVE FORMS
53. PERFORM GROUTING OPERATIONS AS SHOWN
54. REMOVE FORMS
55. PLACE FORMS OF CONCRETE FOR POUR NO. 20
56. THROUGH (19) TO FOLLOW IN PROPER SEQUENCE
57. REMOVE FORMS
58. PLACE POUR NO. (21) IN SAME AS ITEM NO. 5
59. REMOVE FORMS
60. PERFORM GROUTING OPERATIONS AS SHOWN
61. REMOVE FORMS
62. PLACE FORMS OF CONCRETE FOR POUR NO. 22
63. THROUGH (21) TO FOLLOW IN PROPER SEQUENCE
64. REMOVE FORMS
65. PLACE POUR NO. (23) IN SAME AS ITEM NO. 5
66. REMOVE FORMS
67. PERFORM GROUTING OPERATIONS AS SHOWN
68. REMOVE FORMS
69. PLACE FORMS OF CONCRETE FOR POUR NO. 24
70. THROUGH (23) TO FOLLOW IN PROPER SEQUENCE
71. REMOVE FORMS
72. PLACE POUR NO. (25) IN SAME AS ITEM NO. 5
73. REMOVE FORMS
74. PERFORM GROUTING OPERATIONS AS SHOWN
75. REMOVE FORMS
76. PLACE FORMS OF CONCRETE FOR POUR NO. 26
77. THROUGH (25) TO FOLLOW IN PROPER SEQUENCE
78. REMOVE FORMS
79. PLACE POUR NO. (27) IN SAME AS ITEM NO. 5
80. REMOVE FORMS
81. PERFORM GROUTING OPERATIONS AS SHOWN
82. REMOVE FORMS
83. PLACE FORMS OF CONCRETE FOR POUR NO. 28
84. THROUGH (27) TO FOLLOW IN PROPER SEQUENCE
85. REMOVE FORMS
86. PLACE POUR NO. (29) IN SAME AS ITEM NO. 5
87. REMOVE FORMS
88. PERFORM GROUTING OPERATIONS AS SHOWN
89. REMOVE FORMS
90. PLACE FORMS OF CONCRETE FOR POUR NO. 30
91. THROUGH (29) TO FOLLOW IN PROPER SEQUENCE
92. REMOVE FORMS
93. PLACE POUR NO. (31) IN SAME AS ITEM NO. 5
94. REMOVE FORMS
95. PERFORM GROUTING OPERATIONS AS SHOWN
96. REMOVE FORMS
97. PLACE FORMS OF CONCRETE FOR POUR NO. 32
98. THROUGH (31) TO FOLLOW IN PROPER SEQUENCE
99. REMOVE FORMS
100. PLACE POUR NO. (33) IN SAME AS ITEM NO. 5
101. REMOVE FORMS
102. PERFORM GROUTING OPERATIONS AS SHOWN
103. REMOVE FORMS
104. PLACE FORMS OF CONCRETE FOR POUR NO. 34
105. THROUGH (33) TO FOLLOW IN PROPER SEQUENCE
106. REMOVE FORMS
107. PLACE POUR NO. (35) IN SAME AS ITEM NO. 5
108. REMOVE FORMS
109. PERFORM GROUTING OPERATIONS AS SHOWN
110. REMOVE FORMS
111. PLACE FORMS OF CONCRETE FOR POUR NO. 36
112. THROUGH (35) TO FOLLOW IN PROPER SEQUENCE
113. REMOVE FORMS
114. PLACE POUR NO. (37) IN SAME AS ITEM NO. 5
115. REMOVE FORMS
116. PERFORM GROUTING OPERATIONS AS SHOWN
117. REMOVE FORMS
118. PLACE FORMS OF CONCRETE FOR POUR NO. 38
119. THROUGH (37) TO FOLLOW IN PROPER SEQUENCE
120. REMOVE FORMS
121. PLACE POUR NO. (39) IN SAME AS ITEM NO. 5
122. REMOVE FORMS
123. PERFORM GROUTING OPERATIONS AS SHOWN
124. REMOVE FORMS
125. PLACE FORMS OF CONCRETE FOR POUR NO. 40
126. THROUGH (39) TO FOLLOW IN PROPER SEQUENCE
127. REMOVE FORMS
128. PLACE POUR NO. (41) IN SAME AS ITEM NO. 5
129. REMOVE FORMS
130. PERFORM GROUTING OPERATIONS AS SHOWN
131. REMOVE FORMS
132. PLACE FORMS OF CONCRETE FOR POUR NO. 42
133. THROUGH (41) TO FOLLOW IN PROPER SEQUENCE
134. REMOVE FORMS
135. PLACE POUR NO. (43) IN SAME AS ITEM NO. 5
136. REMOVE FORMS
137. PERFORM GROUTING OPERATIONS AS SHOWN
138. REMOVE FORMS
139. PLACE FORMS OF CONCRETE FOR POUR NO. 44
140. THROUGH (43) TO FOLLOW IN PROPER SEQUENCE
141. REMOVE FORMS
142. PLACE POUR NO. (45) IN SAME AS ITEM NO. 5
143. REMOVE FORMS
144. PERFORM GROUTING OPERATIONS AS SHOWN
145. REMOVE FORMS
146. PLACE FORMS OF CONCRETE FOR POUR NO. 46
147. THROUGH (45) TO FOLLOW IN PROPER SEQUENCE
148. REMOVE FORMS
149. PLACE POUR NO. (47) IN SAME AS ITEM NO. 5
150. REMOVE FORMS
151. PERFORM GROUTING OPERATIONS AS SHOWN
152. REMOVE FORMS
153. PLACE FORMS OF CONCRETE FOR POUR NO. 48
154. THROUGH (47) TO FOLLOW IN PROPER SEQUENCE
155. REMOVE FORMS
156. PLACE POUR NO. (49) IN SAME AS ITEM NO. 5
157. REMOVE FORMS
158. PERFORM GROUTING OPERATIONS AS SHOWN
159. REMOVE FORMS
160. PLACE FORMS OF CONCRETE FOR POUR NO. 50
161. THROUGH (49) TO FOLLOW IN PROPER SEQUENCE
162. REMOVE FORMS
163. PLACE POUR NO. (51) IN SAME AS ITEM NO. 5
164. REMOVE FORMS
165. PERFORM GROUTING OPERATIONS AS SHOWN
166. REMOVE FORMS
167. PLACE FORMS OF CONCRETE FOR POUR NO. 52
168. THROUGH (51) TO FOLLOW IN PROPER SEQUENCE
169. REMOVE FORMS
170. PLACE POUR NO. (53) IN SAME AS ITEM NO. 5
171. REMOVE FORMS
172. PERFORM GROUTING OPERATIONS AS SHOWN
173. REMOVE FORMS
174. PLACE FORMS OF CONCRETE FOR POUR NO. 54
175. THROUGH (53) TO FOLLOW IN PROPER SEQUENCE
176. REMOVE FORMS
177. PLACE POUR NO. (55) IN SAME AS ITEM NO. 5
178. REMOVE FORMS
179. PERFORM GROUTING OPERATIONS AS SHOWN
180. REMOVE FORMS
181. PLACE FORMS OF CONCRETE FOR POUR NO. 56
182. THROUGH (55) TO FOLLOW IN PROPER SEQUENCE
183. REMOVE FORMS
184. PLACE POUR NO. (57) IN SAME AS ITEM NO. 5
185. REMOVE FORMS
186. PERFORM GROUTING OPERATIONS AS SHOWN
187. REMOVE FORMS
188. PLACE FORMS OF CONCRETE FOR POUR NO. 58
189. THROUGH (57) TO FOLLOW IN PROPER SEQUENCE
190. REMOVE FORMS
191. PLACE POUR NO. (59) IN SAME AS ITEM NO. 5
192. REMOVE FORMS
193. PERFORM GROUTING OPERATIONS AS SHOWN
194. REMOVE FORMS
195. PLACE FORMS OF CONCRETE FOR POUR NO. 60
196. THROUGH (59) TO FOLLOW IN PROPER SEQUENCE
197. REMOVE FORMS
198. PLACE POUR NO. (61) IN SAME AS ITEM NO. 5
199. REMOVE FORMS
200. PERFORM GROUTING OPERATIONS AS SHOWN
201. REMOVE FORMS
202. PLACE FORMS OF CONCRETE FOR POUR NO. 62
203. THROUGH (61) TO FOLLOW IN PROPER SEQUENCE
204. REMOVE FORMS
205. PLACE POUR NO. (63) IN SAME AS ITEM NO. 5
206. REMOVE FORMS
207. PERFORM GROUTING OPERATIONS AS SHOWN
208. REMOVE FORMS
209. PLACE FORMS OF CONCRETE FOR POUR NO. 64
210. THROUGH (63) TO FOLLOW IN PROPER SEQUENCE
211. REMOVE FORMS
212. PLACE POUR NO. (65) IN SAME AS ITEM NO. 5
213. REMOVE FORMS
214. PERFORM GROUTING OPERATIONS AS SHOWN
215. REMOVE FORMS
216. PLACE FORMS OF CONCRETE FOR POUR NO. 66
217. THROUGH (65) TO FOLLOW IN PROPER SEQUENCE
218. REMOVE FORMS
219. PLACE POUR NO. (67) IN SAME AS ITEM NO. 5
220. REMOVE FORMS
221. PERFORM GROUTING OPERATIONS AS SHOWN
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REFERENCE DRAWINGS	
LIST OF DRAWINGS	8770-A-140
REACTOR BLDG.	
BASE SLAB PLAN MAS	8770-G-488
INTERIOR BASE PLAN MAS	8770-G-495
CYLINDER WALL PLAN & SECTS	8770-G-501
STEEL CONTAINMENT VESSEL SH-1	8770-A-793
REACTOR CONTAINMENT BLDG PIPING	

AS BUILT DRAWING
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**FLORIDA POWER & LIGHT COMPANY
HUTCHINSON ISLAND PLANT
1973 - \$90,000 KW INSTALLATION - UNIT NO. 1
REACTOR BUILDING
CONTAINMENT VESSEL SUPPORT
PLAN & SECTIONS M & R**

EBASCO SERVICES INCORPORATED NEW YORK		
SCALE 8-10 UNLESS NOTED	APPROVED <i>[Signature]</i>	DATE 6-25-71
DIV. C-H		
DR. P.P.	<i>[Signature]</i> 270	8770-5493

CH. <u>C. W. B. G.</u>	<u>9. 12. 1963</u>	<u>HN 10</u>
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