

COMPARISON OF PWR 3D POST-TENSIONED CONCRETE CONTAINMENTS

PALISADES	POINT BEACH 1&2
Entergy	FPL
BECH / BECH	BECH / BECH
Post-Tensioned Concrete Cylinder with Steel Liner	Post-Tensioned Concrete Cylinder with Steel Liner
55 psig	
6	
Horizontal tendons placed in six 120 degree segments	
5,000 psi	
116'-0"	
190'-6"	
3'-6"	
3'-0"	
V = 178 H = 502 D = 165	
0.25"	
Outside face: vert: #10 @12" c/c; hoop: #10 @ 12" c/c outer face only . Some inside face steel at top and bottom. Ties at top and btm	
YES	YES
YES	
NO, Saw Cut	
V =15, H = 35	
NA	
V= 55, H = 25	
Cutting of the concrete opening was allowed before the additional tendons adjacent to the opening were detensioned.	