

**PRESSURE CAPABILITY OF WALLS & SLABS AROUND MAIN STEAM LINE
ENCLOSURE EAST OF CONTAINMENT**

- 1. MATERIAL PROPERTIES**
 - a. Concrete $f'_c = 3500$ psi;
 - b. Reinforcing steel $f_y = 40000$ psi

- 2. PRESSURE CAPABILITIES TABULATED**
 - a. Are ultimate values under static conditions;
 - b. Do not include any other loading condition

Panel ID	Thickness (in.)	Pressure Capability (psi)	Remarks
E-SL2	12	11.6	Punching Shear Around Col. Governs
E-SL3	30	72.5 ¹	
E-WN1	24	16.1 ⁽¹⁾	
E-WN2	24	80.0 ⁽¹⁾	
E-WS1	24	16.0 ⁽¹⁾	
E-WS2	24	83.2 ⁽¹⁾	
E-W1	24	13.4 ⁽¹⁾	
E-W2	24	78.0 ⁽¹⁾	
E-W3	24	11.6 ⁽¹⁾	E-W3 & E-W4, both curved are solved using planar projections
E-W4	24	4.5	Critical Value of 4.5 PSI. Results from 1 way action of lightly reinforced portion of panel between the two large openings. The side portions of the panel have capability of 86.1 ⁽¹⁾

See Figure 14.4.6-3 for wall and slab identification.

¹ Indicates diagonal tension failure governs.