

	INDIANA AND MICHIGAN POWER D. C. COOK NUCLEAR PLANT UPDATED FINAL SAFETY ANALYSIS REPORT	Revision: 17.2 Table:5.3.5.10-1 Page: 1 of 1
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SUMMARY OF RESULTS FOR TOP DECK DOOR STRUCTURAL ANALYSIS – LOCA

Item	Area	Stress Ratio ¹	Basis ²
1	Hinge band direct tension	≤ 1.0	B
2	Hinge bar - bending	≤ 1.0	A
3	Anchor bolts - tension	≤ 1.0	A
4	Floor grating - bending	≤ 1.0	C
5	Insulation tip stress - tear	≤ 1.0	C
6	Insulation tip stress - tensile	≤ 1.0	C

¹ Max Calculated Stress
Code Allowable Stress

² Basis

- A. Allowable value per Section 5.3.4.3.2
- B. ASTM-177 minimum tensile with AISC allowable
- C. Strength values per Manufacturer's literature