7.6 INTERNAL EQUIPMENT PROTECTION TEST. The enclosure and the internal equipment therein shall remain suitable for use when tested for fire resistance in accordance with RUS specification PE-91 and paragraph xiii of "Performance Criteria and Test Procedures for Housings" in RUS 7 CFR 1755.910.

APPLICATION	LOADING REQUIREMENTS			
Light Duty Pedestrian Traffic Only	Vertical	Test Load	13.3kN	3000 pounds
TIER 5 Sidewalk applications with a safety factor for occasional non-deliberate vehicular traffic	Vertical Lateral	Design Load Test Load Design Load Test Load	22.2 kN 33.3 kN 28.7 kPa 43.1 kPa	5000 pounds 7500 pounds 600 pounds/sq.ft. 900 pounds/sq.ft. (1800/2700 pounds/ lateral load plate)
TIER 8 Sidewalk applications with a safety factor for non-deliberate vehicular traffic	Vertical Lateral	Design Load Test Load Design Load Test Load	35.6 kN 53.4 kN 28.7 kPa 43.1 kPa	8000 pounds 12000 pounds 600 pounds/sq.ft. 900 pounds/sq.ft. (1800/2700 pounds/ lateral load plate)
TIER 15 Driveway, parking lot, and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic	Vertical Lateral	Design Load Test Load Design Load Test Load	66.7 kN 100.1 kN 38.3 kPa 57.5 kPa	15000 pounds 22500 pounds 800 pounds/sq.ft. 1200 pounds/sq.ft. (2400/3600 pounds/ lateral load plate)
TIER 22 Driveway, parking lot, and off-roadway applications subject to occasional non-deliberate heavy vehicular traffic	Vertical Lateral	Design Load Test Load Design Load Test Load	100.1 kN 150.1 kN 38.3 kPa 57.5 kPa	22500 pounds 33750 pounds 800 pounds/sq.ft. 1200 pounds/sq.ft. (2400/3600 pounds/ lateral load plate)
AASHTO H-20 Deliberate vehicular traffic applications.	Certified precast concrete, cast iron, or AASHTO-recognized materials.			

Table 1 – Design / Test Loads

7.7 COEFFICIENT OF FRICTION TEST. A typical production cover is tested to assess the slip resistance of the walking surface that is or may be exposed to pedestrian traffic. The static coefficient of friction of this surface must be a minimum of 0.50 as determined using ASTM 1028-06 Section 8, or any equivalent test method. Other test methods are described in Reference 3.3.

7.8 TORQUE VALUE OF FASTENING DEVICES. A typical enclosure has threaded inserts in the box with a bolt that fastens the cover to the box. The torque value of the threaded insert and bolt is based on the thread size. Table 2 shows the recommended design and test torque value of the standard inserts and bolts in use. A typical bolt