



SECTION A-A

PLAN SYMBOL

SECTION B-B

**NOTES:**

1. Install free standing and self-supporting load center cabinet Type IV, per the project plans details, NEMA 3R construction. Use 5052-H32 sheet aluminum alloy, thickness 0.125 inch, for cabinet housing and doors.
2. Use heliarc welding method for all external and internal continuous welds. Make welds free of cracks, blow holes and other irregularities. Make inside and outside edges of cabinet free of burrs and provide a smooth, uniform and natural aluminum finish.
3. Make full height doors which use stainless hinges and have door stops and locks.
4. Use tamper-proof cabinets so as to prevent insertion of wires or objects inside the cabinet by unauthorized persons.
5. Provide bolt-on circuit breakers.
6. Provide a sloped surface on the top of the cabinet so as to prevent water accumulation.
7. Provide double flanged door openings on all (4) four sides to increase strength around the openings and also to keep away any liquid or dirt from entering the enclosure when the door is opened.
8. Use door restraints to prevent door movement when opened in windy conditions.
9. Furnish gasketing for doors which satisfy physical properties as found in UL 508 Table 21.1. Make weather tight seals between the cabinet and the door.
10. Use 1/4-20 300 series stainless steel carriage bolts and 300 series stainless steel NY-lock nuts for bolting hinges to the cabinet and the door.
11. Furnish hinges made of 075-14 gauges 300 series stainless steel. Weld the top and bottom of the hinge pin to render it tamper proof.
12. Furnish gasketing for bolt holes which meet or exceed the requirement of a NEMA 3R rating.
13. See the Specifications for additional construction requirements.
14. The door shall be raintight and dustproof.
15. See T.S. 3-9 for 2 position door stop details.
16. For filtered ventilation hole pattern only; see T.S. 3-1.
17. Install 5/8" dia. by 10' copper clad ground rod with clamp.
18. In unpaved areas a raised PCC pad 36" x 4" x width of foundation, shall be placed in front of the cabinet. Pad shall be set 2" below the foundation elevation. Slope pad away from cabinet. See pad detail on T.S. 2-1
19. Use an approved Silicon Sealer RTV Type Grey in color or Clear, between cabinet and foundation.

DESIGN APPROVED	<b>SIGNATURE</b>	ARIZONA DEPT. OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS & LIGHTING STANDARD DRAWINGS	REV.
APPROVED FOR DISTRIBUTION		<b>ON FILE</b>	DRAWING NO. T.S. 3-2
		TYPE IV LOAD CENTER CABINET	