

NO	DATE	MADE BY	DESCRIPTION OF REVISIONS
1	2012 ORIGINAL ISSUE	C. COLE	NEW DRAWING
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NOTES:

- All materials and construction shall conform to the requirements of the Specifications. However, these T.S. Drawing requirements supercede any conflicting requirement specified in the original 2008 version of the Specifications or any subsequent version (stored or standard) which has not been revised to include advancements specified in these drawings.
- A pedestrian signal housing consists of a body, hinged door, terminal block, and related hardware. A pedestrian indication module and visor are added to the housing to make a pedestrian signal.
- The pedestrian signal housing and signal shall meet or exceed the applicable requirements of the MUTCD and ITE Equipment and Material Standards. The "Countdown person hand" Pedestrian signal indication shall conform to the 2010 ITE "Pedestrian Traffic Control Signal Indicators; Light Emitting Diode (LED) Signal Modules." Additionally, the module shall be certified or listed and permanently labeled on the back of the unit as meeting the applicable ITE Specification per a third party verification program. The signal lens shall also include an integrated black screen material which will obscure the icons (hand, person and numerals) so they are not visible when not lighted. All units shall have a unique serial number that is expressed on the back of the unit.in writing and bar coded or a permanent label. A complete list of all makes and models and serial numbers shall be provided in written and electronic formats.
- Incandescent pedestrian or neon type signal indications shall not be used. Only approved LED modules shall be used. All modules shall have, as a minimum 3 year replacement warranty as per the requirements of T.S. 8-0.
- The housing body shall be a one-piece die-cast or molded cast aluminum unit. The housing shall be compatible with approved ITE compliant LED countdown pedestrian signal modules such as those manufactured by Dialight, GE Lumination, Loetek, Trastar Duralight, Excellence Opto, Inc. or other approved signal manufacturers. The body shall have terminal block mounts cast into the back wall.
- The housing door shall be one-piece die-cast or molded cast aluminum with two captive 1/4-inch eyebolts with wing nuts (wingnut eyebolt assembly) to latch the door to the body. Once latched, the door shall form a positive dust and weatherproof seal between the door and body via a neoprene or similar suitable synthetic rubber gasket material which is rated for outdoor use. The gasket shall be fitted into the molded gasket channel cast into the perimeter of the door or housing.
- The door shall be provided with four tapped and threaded holes on the back per a standard layout. the holes shall accept 3/16-inch stainless steel screws to secure four ITE compliant LED signal face module holding clips. These clips shall be able to hold the pedestrian signal module and weatherproof gasket securely and properly aligned to the inside of the door.
- All exterior portions of the body and door shall be powder coated or painted a minimum of two coats of dull black paint. The finish achieved shall have a minimum outdoor weathering rating of 12 or more years. The standard (FS) 595A or b 37038. Any field damage of the housing shall be repainted with matching color.
- All exterior hardware such as hinge pins, bolts, screws, washers, and locking wing nuts shall be stainless steel, All interior screws, fittings, washers, bolts, connectors, terminal blocks shall be stainless steel, plated steel aluminum or brass that is corrosion resistant.
- One spade type three-position two sided removable terminal block shall be provided per pedestrian signal housing assembly. Each terminal block shall be secured to the back inside wall of the housing with two stainless steel screws. If a module is being replaced in an existing housing and there is no terminal block or the existing terminal block is corroded then the block shall be replaced as a part of the change out.
- The housing shall be capable of mounting to the left or right and shall be compatible with standard mounting hardware.
- Local jurisdictions may use polycarbonate housings. These housings shall be ultraviolet and heat stabilized, flame retardant, permanently colored and may have optional fiberglass reinforcement.

NOT TO SCALE

DESIGN APPROVED	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS AND LIGHTING STANDARD DRAWINGS	REVISION 01/12
SIGNATURE		DRAWING NO. T.S. 8-7
APPROVED FOR DISTRIBUTION	PEDESTRIAN SIGNAL ASSEMBLY REQUIREMENTS AND DETAILS	SHEET NO. 1 OF 3
ON FILE		