

Note to Designer:  
The information presented in this Standard Drawing has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

04/19

PRIOR DISTRIBUTION DATE

See Std Dwg T-SL 4.04  
For Pole Top Detail

Tapered Pole

See Std Dwg  
T-SL 4.18 For  
Hand Hole Details

9" O.D. Min  
for 40'-0  
10" O.D. Min  
for 50'-0

See Note 3

See Note 6

40'-0  
OR  
50'-0

50'-0

40'-0

D

H

E

J

F

K

6'-0  
See  
Note 5

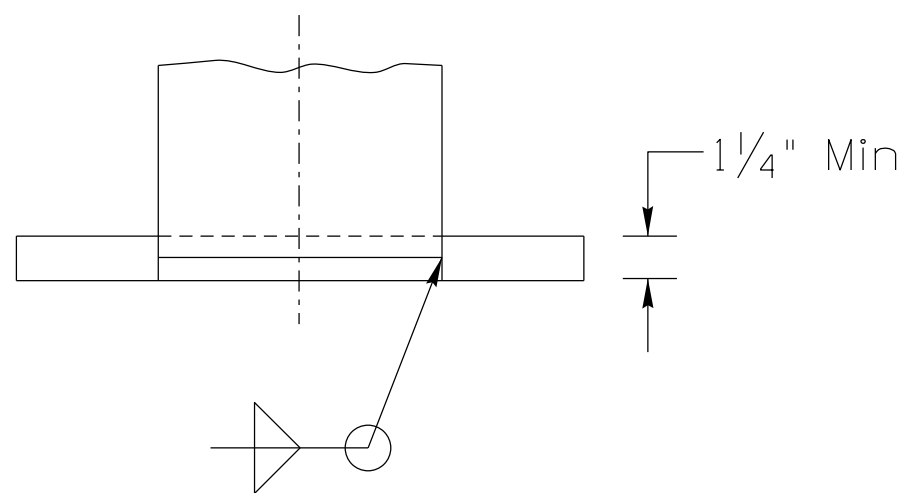
"X" See Std  
Dwg T-SL 4.28

6"

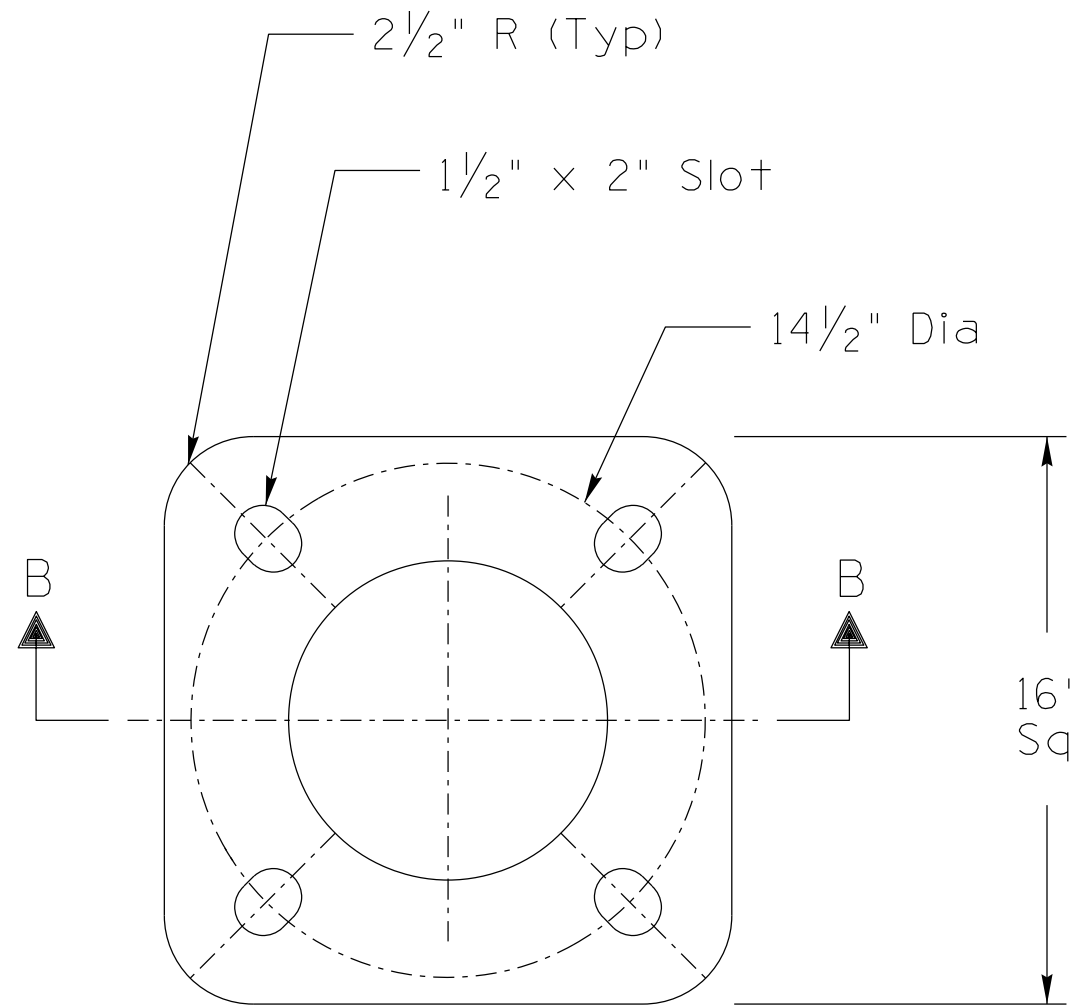
See  
Detail D

See  
Detail D

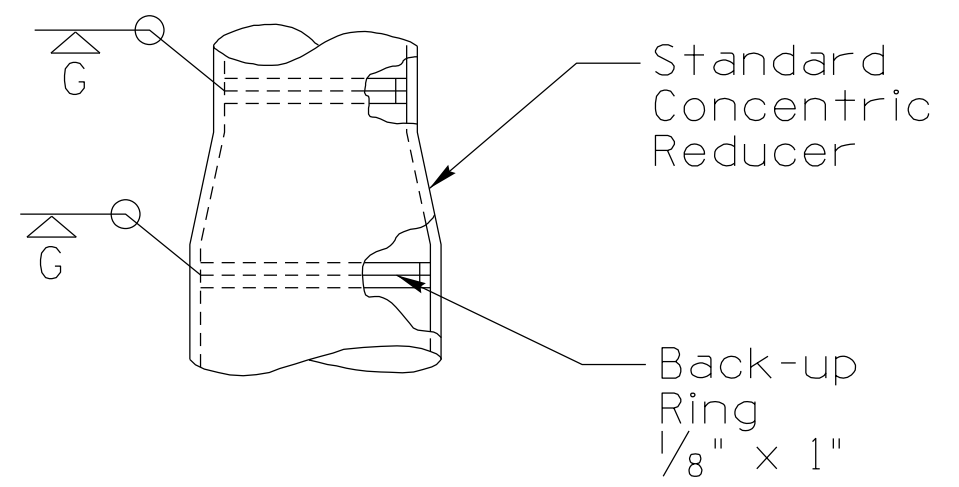
D (See T-SL 4.18  
for details)



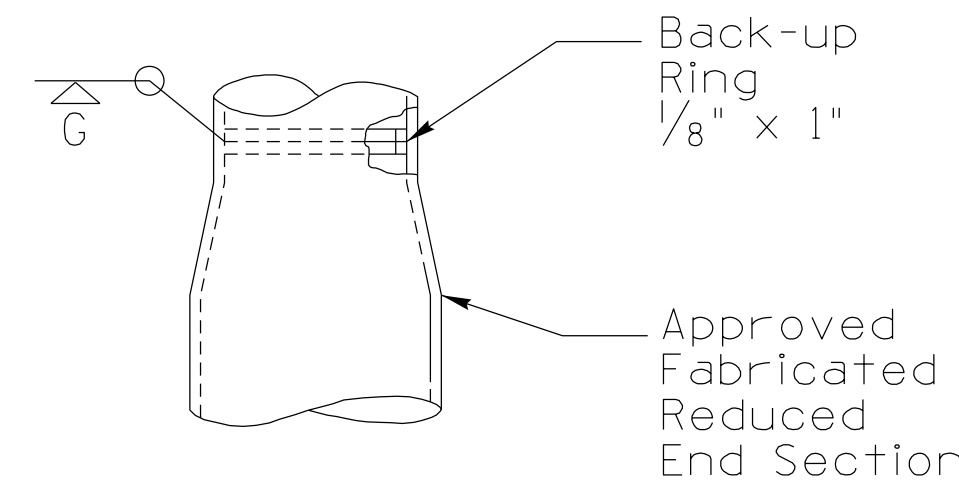
SECTION B-B  
(Bolt Slots Not Shown)



BASE PLATE DETAIL



OR

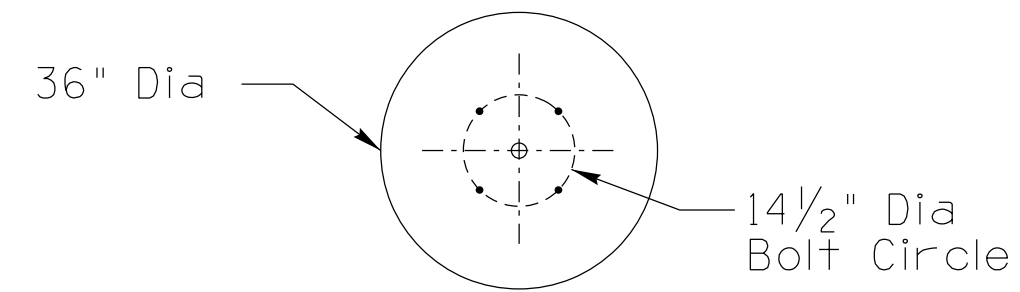


DETAIL D

## NOTES:

1. All materials and construction shall conform to the requirements of the Arizona Department of Transportation Standard Specifications for Road and Bridge Construction.
2. Poles shall comply with the requirements of the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 6th Edition (2013), including the 2015, 2019, and 2020 Interim Revisions.
3. See Std Dwg T-SL 4.28 for anchor bolt details.
4. The foundation hole shall be augered and Class "S" (3,500 psi) concrete, poured against undisturbed compacted earth.
5. Unstable soil and/or a steep slope may require a deeper foundation. See the Arizona Department of Arizona Standard Specifications.
6. A 25 ft coil of #4 AWG bare copper conductor or a 14 inch square copper ground plate shall be installed before the concrete is poured and connected to pole grounding lug in the hand hole. The ground plate or coil shall be covered with 6 inches of fill.
7. Pole may have a continuous taper or a step taper.
8. Once the pole installation is completed, the open space between the base plate and foundation shall be grouted.
9. If pole foundation is within or adjacent to sidewalk, top of pole foundation shall be flush with the abutting or adjacent sidewalk.
10. Shop drawings shall be submitted to the Engineer for review prior to fabrication in accordance with the Standard Specifications.
11. All dimensions not shown on the plans are dependent on the manufacturer's design, and shall be shown on the shop drawings.
12. Signed and sealed shop drawings shall be submitted to the Engineer for review and approval prior to fabrication in accordance with the Standard Specifications, unless the manufacturer has been granted approval on the Department's most recently published Approved Product List (APL).
13. All dimensions are nominal.

STEP TAPER POLE INFORMATION		
POLE	DIMENSION	O.D. x LENGTH
50'-0	D	5 <sup>9</sup> / <sub>16</sub> " x 10'-0
	E	6 <sup>5</sup> / <sub>8</sub> " x 20'-0
	F	8 <sup>5</sup> / <sub>8</sub> " x 20'-0
40'-0	H	4 <sup>1</sup> / <sub>2</sub> " x 10'-0
	J	5 <sup>9</sup> / <sub>16</sub> " x 15'-0
	K	6 <sup>5</sup> / <sub>8</sub> " x 15'-0



SECTION A-A

STANDARDS ENGINEER A. ALZUBI		ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC SIGNAL AND LIGHTING STANDARD DRAWINGS	
RECOMMENDED FOR APPROVAL GROUP MANAGER M. HANNA			
APPROVED		TYPE T POLE	DRAWING NO. T-SL 4.03
STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION 11/22 DATE			