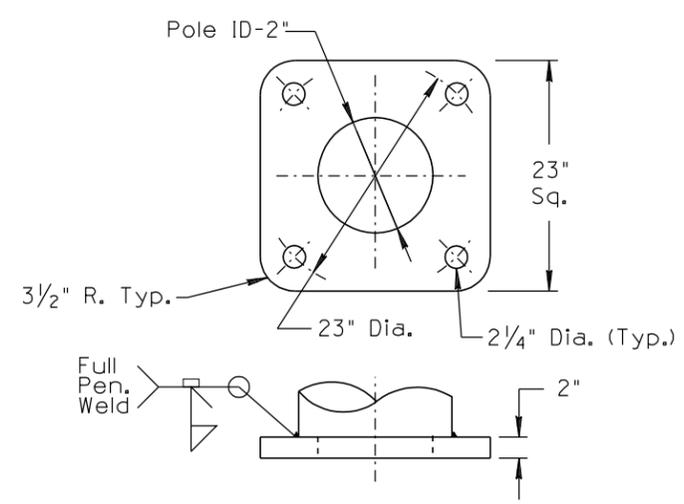
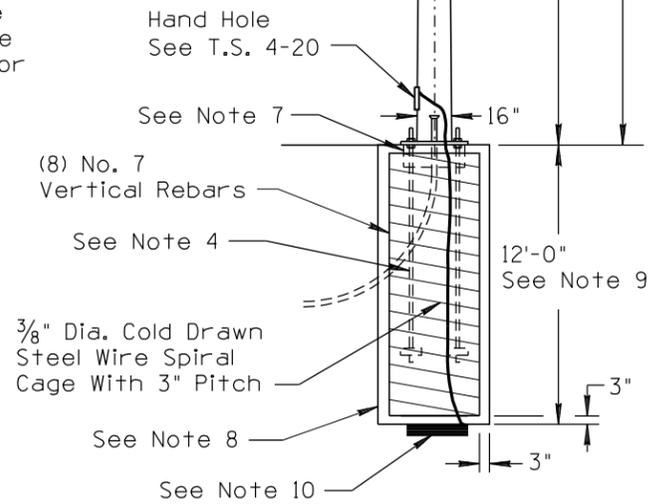
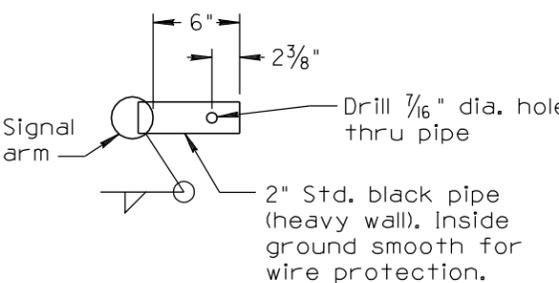
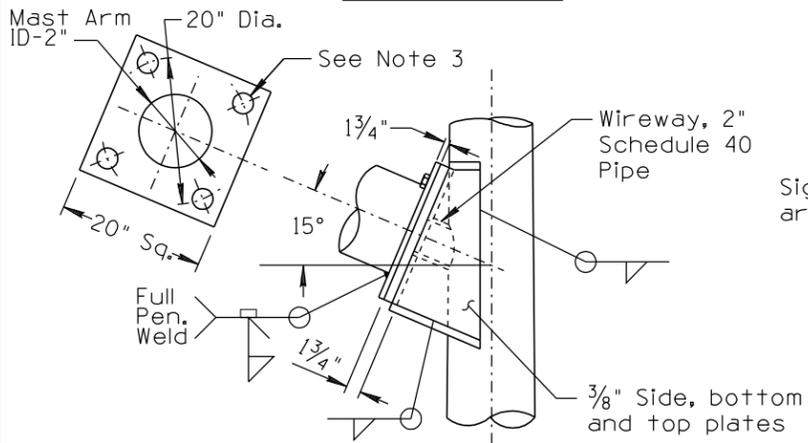
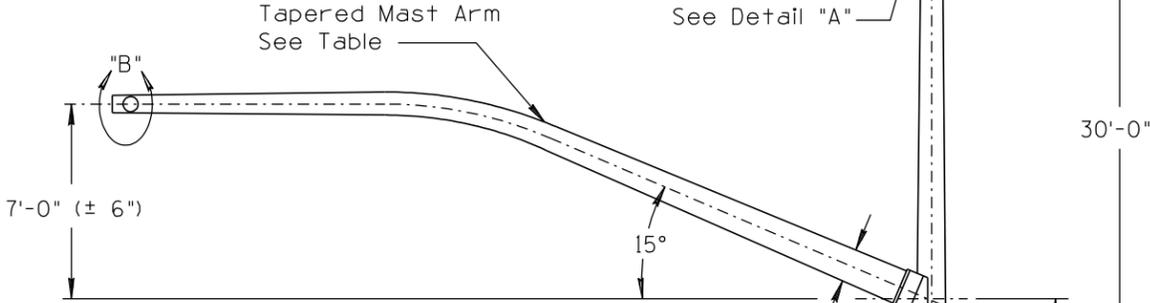
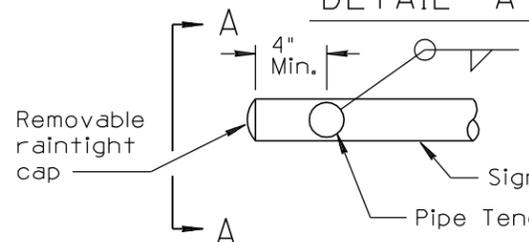
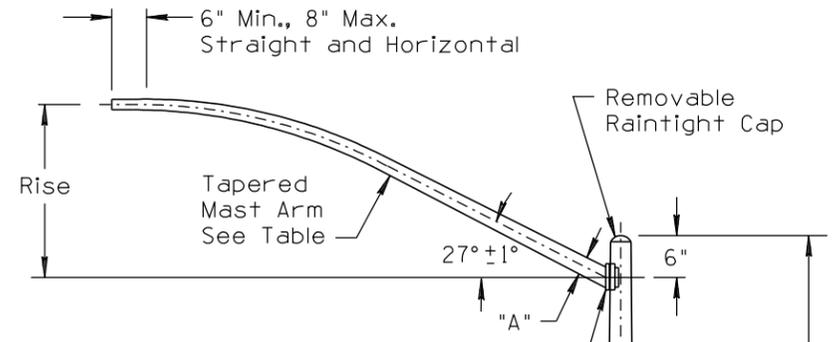
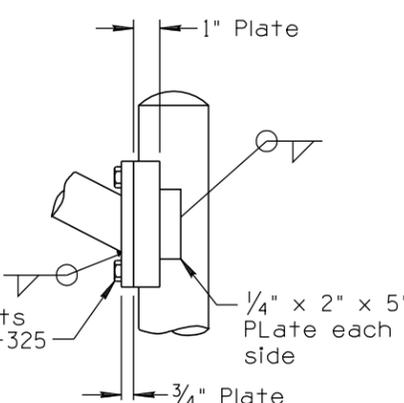
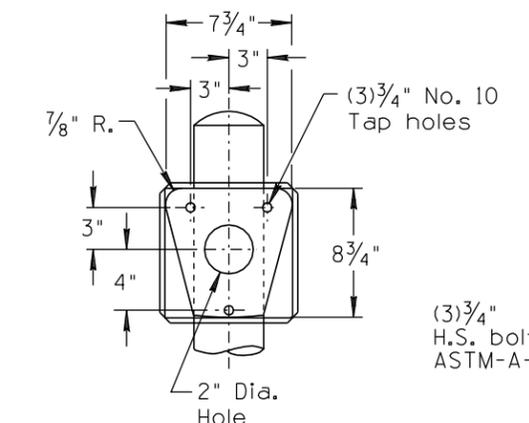


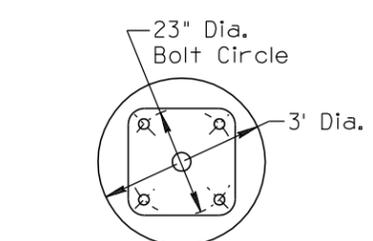
NO	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	ORIGINAL ISSUE	PARSONS BRINCKERHOFF	3/09
2			
3			
4			

**NOTES:**

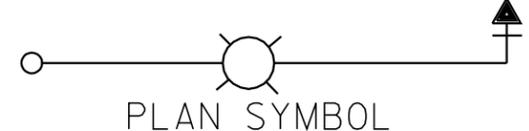
- All materials and construction shall conform to the requirements of the Specifications, except the pole base plate and mast arm mounting plates shall be fabricated from structural steel conforming to the minimum strength requirements of ASTM A572 Grade 50.
- Pole shall comply with 1994 AASHTO loading requirements for Structural Supports for Highway Signs, Luminaires and Traffic Signals.
- Four 1/2" - 6 high strength bolts are required for signal mast arms ASTM A-325.
- See T.S.4-23 detail "B" for anchor bolt details. Each anchor bolt shall have four hex nuts and two flat washers, all to be furnished with pole.
- Anchor bolts shall project 4 1/2" above the foundation.
- Conduit shall project a minimum of 2" above the foundation. Maximum projection shall be 4".
- Block out for leveling nuts. See specs. for grout requirements.
- The foundation hole shall be augered and class "S" (3000 psi) concrete poured against undisturbed compacted earth.
- Unstable soil may require deeper foundation. See Specifications.
- A 25' coil of No. 4 AWG bare copper conductor shall be installed before the concrete is poured and connected to pole grounding screw in the hand hole.
- For inboard tenon, when specified, see tenon detail on T.S.9-1.
- All dimensions are nominal.



MAST ARM INFORMATION				
	Nom. M.A. Length	Lum. M.A. Rise	"A" Min.	"B" Min.
LUMINAIRE	6'	2'-0"	3 3/8"	---
	8'	2'-6"	3 5/8"	---
	10'	3'-4"	3 7/8"	---
	12'	4'-3"	4 5/16"	---
	15'	4'-9"	4 3/4"	---
	18'	5'-9"	5 3/16"	---
SIGNAL	60'	---	---	12 1/8"
	65'	---	---	13"



**FOUNDATION PLAN**



**PLAN SYMBOL**

SHEET 2 OF 2  
NOT TO SCALE

DESIGN APPROVED <b>SIGNATURE ON FILE</b>	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS & LIGHTING STANDARD DRAWINGS	REV. 3/09
	TYPE "R-65" POLE AND MAST ARMS	DRAWING NO. T.S. 4-11