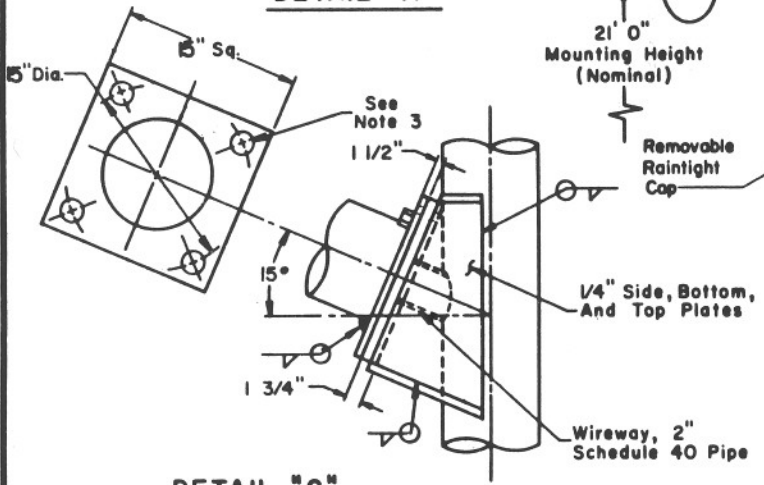
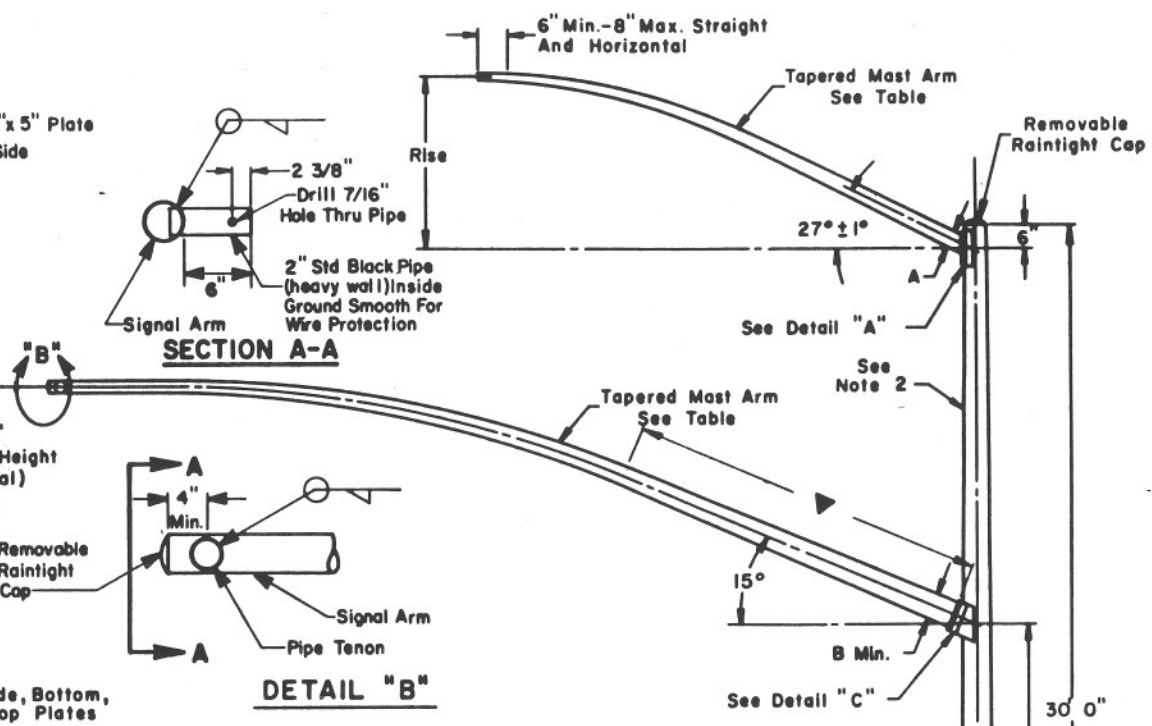


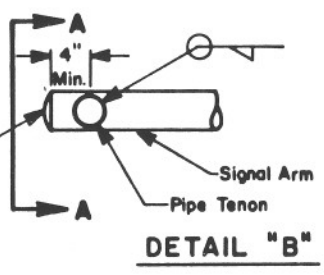
DETAIL "A"



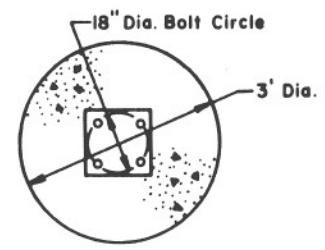
DETAIL "C"



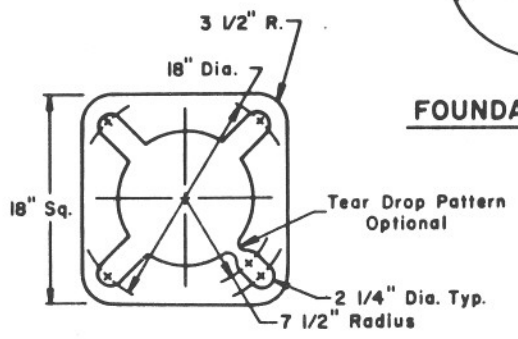
SECTION A-A



DETAIL "B"



FOUNDATION PLAN



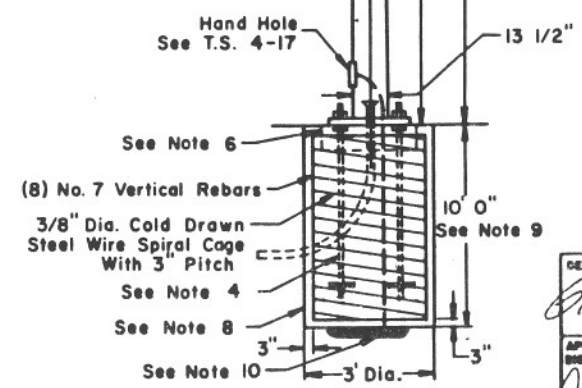
POLE BASE

	MAST ARM INFORMATION				
	Nom. M.A. Length	Lum. M.A. Rise	M.A. Gauge	"A" Min. 11 Gg.	"B" Min. 10 Gg.
LUMINAIRE	6'	2'-0"	11 or 10	3 1/4"	3 3/8"
	8'	2'-6"	11 or 10	3 1/2"	3 5/8"
	10'	3'-4"	11 or 10	3 13/16"	3 7/8"
	12'	4'-3"	11 or 10	4 1/16"	4 5/16"
	15'	4'-9"	11 or 10	4 1/4"	4 3/4"
	18'	5'-9"	11 or 10	5 3/4"	5 3/16"
SIGNAL	20'	5'-9"	7	5 1/4"	5 1/4"
	45'		0 & 3 ▼		10 1/16"
	50'		0 & 3 ▼		10 3/4"
	55'		0 & 3 ▼		11 7/16"

▼ First 25' of 45' & 55' Mast Arms and first 20' of 50' Mast Arms shall be 0 Gauge. The remainder shall be 3 Gauge.

NOTES:

- All materials and construction shall conform to the requirements of the Specifications.
- The pole shall be 0 gauge tapered steel. Alternate: The top ten feet of pole may be 10 or 11 gauge.
- Four 1 1/4"-7 high strength bolts are required for signal mast arms ASTM A 325.
- See T.S. 4-20 detail "B" for anchor bolt details. Each anchor bolt shall have four hex nuts and two flat washers.
- Anchor bolts shall project 4 1/2" above the foundation.
- Block out for leveling nuts. See specs. for grout.
- Conduit shall project a minimum of 2" above the foundation. Maximum projection shall be 4".
- 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.



DESIGN APPROVED <i>Roy H. Hatten</i> 1/25/87	STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DRAWINGS	REV. 11-23-87
APPROVED FOR DISTRIBUTION <i>James A. ...</i>	TYPE "R" POLE AND MAST ARMS	DRAWING NO. T.S. 4-13