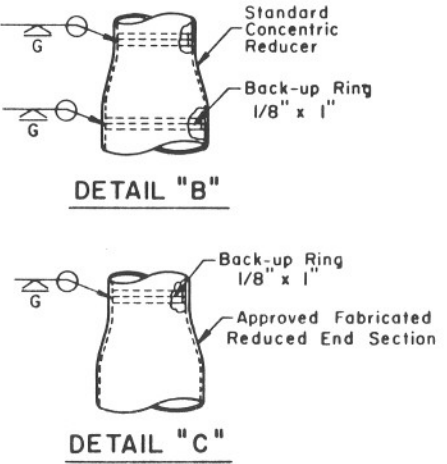


- NOTES:**
- All materials and construction shall conform to the requirements of the Specifications.
  - The signal mast arm tie rods shall be 1" standard pipe for mast arms 10', 12', and 15' long. For mast arms 18' and longer, the tie rods shall be 1 1/4" standard pipe. A threaded stud 5/8" x 8" shall be welded to end of tie rod.
  - 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 3" 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".
  - 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.
  - The foundation hole shall be augered and class "S" (3,000 PSI) concrete poured against undisturbed compacted earth.



MAST ARM COMBINATIONS		POLE GAUGE
Luminaire Mast Arm Length	Signal Mast Arm Length	
6' 0" To 15' 0"	With 15' 0"	7
6' 0" To 12' 0"	With 18' 0"	7
6' 0" To 10' 0"	With 20' 0"	7
15' 0"	With 18' 0"	3
12' 0" To 15' 0"	With 20' 0"	3

Pole T.S. 4-3-	Lum. M.A. Tie Rods
-1	With
-2	None

**MAST ARM DATA**

DIM.	NOMINAL ARM LENGTH							
	4'	6'	8'	10'	12'	15'	18'	20'
A	1' 6"	2' 2"	3' 0"	4' 0"	4' 6"	5' 6"	5' 6"	5' 6"
B	4' 8 1/2"	7' 6"	10' 5"	13' 0"	16' 4 3/4"	22' 6"	31' 4 1/4"	38' 2"
C	—	—	—	2' 11"	4' 0"	5' 6 1/2"	6' 0"	6' 0"

DESIGN APPROVED <i>Carly Brown</i> 7/24/65	STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD DRAWINGS	REV. 10-6-66
APPROVED FOR DISTRIBUTION <i>James J. S. [Signature]</i>	<b>TYPE "C" POLE AND MAST ARM</b>	DRAWING NO. <b>T.S. 4-3</b>