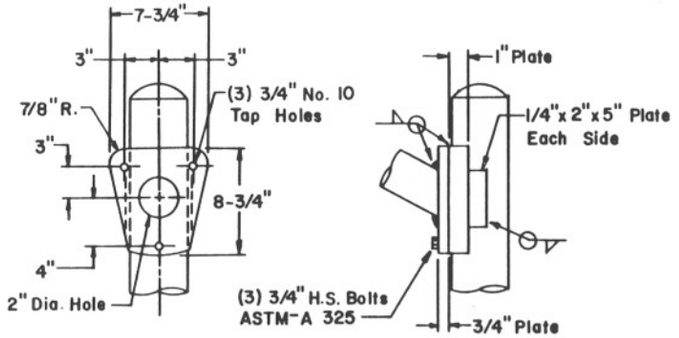
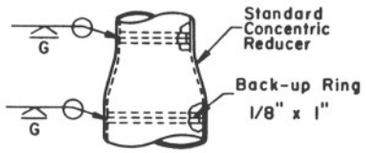
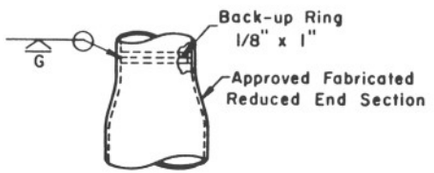


DETAIL "A"



DETAIL "B"



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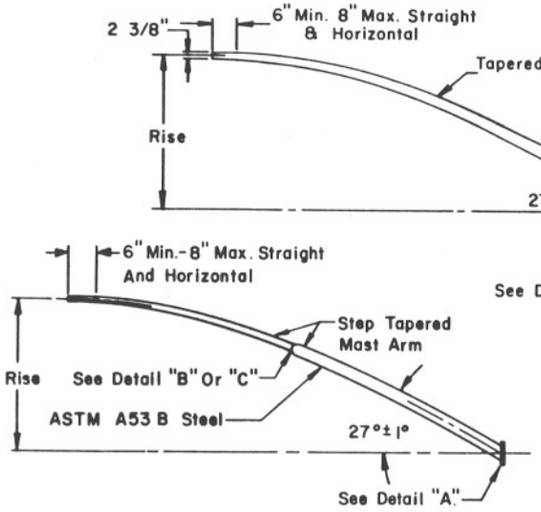
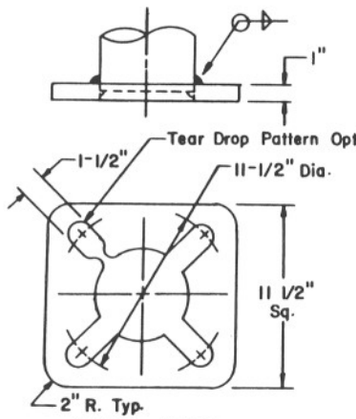
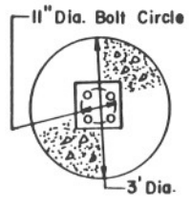
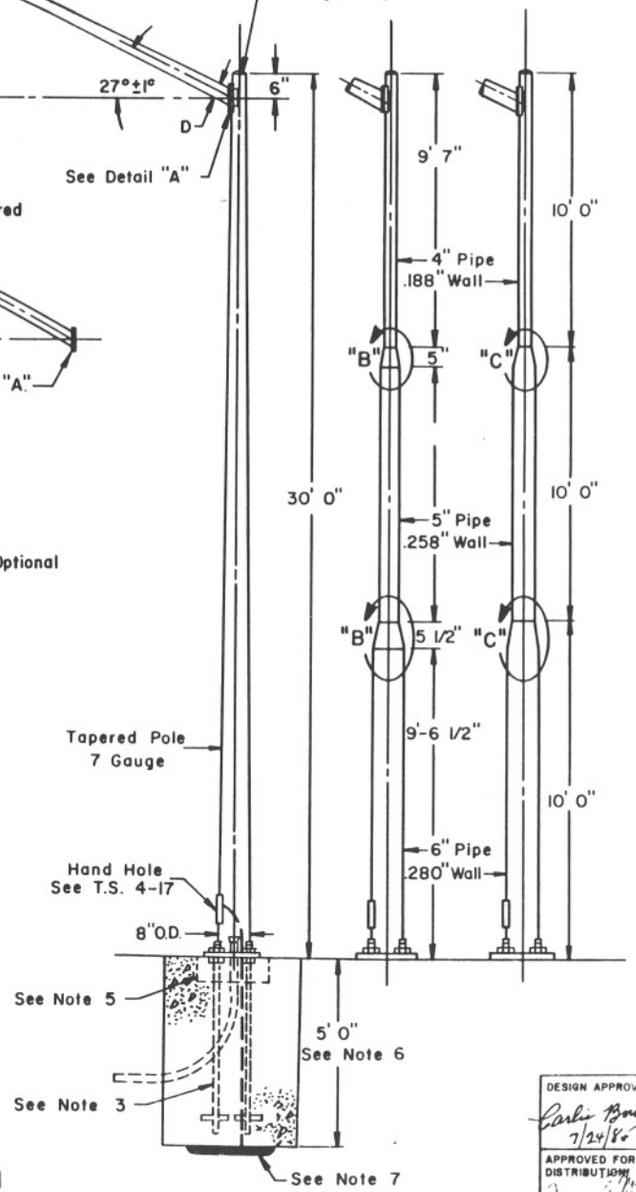




POLE BASE



FOUNDATION PLAN



NOTES:

1. All materials and construction shall conform to the requirements of the Specifications.
2. Pole, mast arm, and other parts shall have a protective finish as given in the Specifications.
3. See T.S. 4-20 detail "B" for anchor bolt details. Each anchor bolt shall have four hex nuts and two flat washers.
4. Anchor bolts shall project 3" above the foundation.
5. Block out for leveling nuts. See specs. for grout.
6. Unstable soil may require deeper foundation. See Specification.
7. 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.
8. Conduit shall project a minimum of 2" above the foundation. Maximum projection shall be 4".
9. The foundation hole shall be augered and class "S" (3,000 PSI) concrete poured against undisturbed compacted earth.

POLE	TYPE of BASE
T.S. 4-7-1	STANDARD
T.S. 4-7-R	SLIP-AWAY
T.S. 4-7-L	See T.S. 5-2

TAPERED MAST ARM						STEP TAPERED MAST ARM	
Length	Rise	Gauge	"D" Min.	Gauge	"D" Min.	Rise	Pipe Dia., Thickness And Length
6'	2' 0"	11	3 1/4"	10	3 3/8"	2'0"	2.0 x .154 x 6'-0"
8'	2' 6"	11	3 1/2"	10	3 5/8"	2'6"	2.0 x .154 x 8'-0"
10'	3' 8"	11	3 13/16"	10	3 7/8"	3'8"	2.5 x .120 x 10'-0"
12'	4' 3"	11	4 1/16"	10	4 5/16"	4'3"	2.5 x .120 x 12'-0"
15'	4' 9"	11	4 1/4"	10	4 3/4"	4'9"	2.5 x .120 x 7'-0" & 3.0 x .156 x 8'-0"
18'	5' 9"	11	5 3/4"	10	5 3/16"	5'9"	2.5 x .120 x 9'-0" & 3.0 x .156 x 9'-0"
20'	5' 9"	7	5 1/4"	7	5 1/4"	5'9"	2.5 x .120 x 10'-0" & 3.0 x .156 x 10'-0"

DESIGN APPROVED Earle Bowman 7/24/86

APPROVED FOR DISTRIBUTION James A. Hinkle

STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STANDARD DRAWINGS

REV. 10-6-86

TYPE "G" POLE AND MAST ARM

DRAWING NO. T.S. 4-7

BRUNING 44 512