



ANCHOR BOLT DETAIL
 (For Standard Base Applications)

STEEL POLE BASE PLATE THICKNESS	
POLE TYPE	THICKNESS
A and Ped Post	1/2" Min
E	1" - 1 1/4"
G, S	1"
F, T	1 1/4"
J	1 3/4"
K, Q, R, V & W	2"
U Elliptical	3"
U Square	1 1/2" - 2"

STANDARD Dwg		ANCHOR BOLT WITH PLATE					
POLE TYPE	Dwg No.	NOMINAL DIAMETER inches	Flat Washer Thickness	TOTAL LENGTH inches	SIZE OF ANCHOR PLATE inches	PROJECTION ABOVE FOUNDATION	X
"A"	T.S.4-1	1"	1/8"	35"	3/4" x 2 3/4" x 2 3/4"	4 5/8" *	2"
"E"	T.S.4-2	1 1/4"	1/8"	52"	7/8" x 3 1/2" x 3 1/2"	5 5/16"	2"
"F"	T.S.4-3	1 1/4"	1/8"	52"	7/8" x 3 1/2" x 3 1/2"	5 9/16"	2"
"G"	T.S.4-4	1 1/4"	1/8"	52"	7/8" x 3 1/2" x 3 1/2"	5 5/16" *	2"
"G" (Alum.)	T.S.4-5	1 1/4"	1/8"	36"	7/8" x 3 1/2" x 3 1/2"	5 5/16" *	2"
"H" (Alum.)	T.S.4-6	1 1/4"	1/8"	36"	7/8" x 3 1/2" x 3 1/2"	5 1/4" *	2"
"I" (Alum.)	T.S.4-7	1 1/4"	1/8"	36"	7/8" x 3 1/2" x 3 1/2"	5 1/4" *	2"
"J"	T.S.4-8	2"	1/4"	70"	1 1/2" x 5 1/2" x 5 1/2"	8"	3"
"K"	T.S.4-9	2"	1/4"	70"	1 1/2" x 5 1/2" x 5 1/2"	8 1/4"	3"
"Q"	T.S.4-10	2"	1/4"	70"	1 1/2" x 5 1/2" x 5 1/2"	8 1/4"	3"
"R"	T.S.4-11	2"	1/4"	70"	1 1/2" x 5 1/2" x 5 1/2"	8 1/4"	3"
"S"	T.S.4-12	1 1/4"	1/8"	52"	7/8" x 3 1/2" x 3 1/2"	5 5/16" *	2"
"S" (Alum.)	T.S.4-13	1 1/4"	1/8"	52"	7/8" x 3 1/2" x 3 1/2"	5 5/16" *	2"
"T"	T.S.4-14	1 1/4"	1/8"	52"	7/8" x 3 1/2" x 3 1/2"	5 9/16" *	2"
"T" (Alum.)	T.S.4-15	1 1/4"	1/8"	52"	7/8" x 3 1/2" x 3 1/2"	5 5/16" *	2"
"U"	T.S.4-16 T.S.4-17	1 1/2"	-	48"	See T.S. 4-16 See T.S. 4-17	See T.S. 4-17 Sheet 2 of 6	
"V"	T.S.4-18	2"	1/4"	70"	1 1/2" x 5 1/2" x 5 1/2"	8 1/4"	3"
"W"	T.S.4-19	2"	1/4"	70"	1 1/2" x 5 1/2" x 5 1/2"	8 1/4"	3"
PED Post Button or "PD"	T.S.4-22	1"	1/8"	35"	3/4" x 2 3/4" x 2 3/4"	4 5/8"	2"

* Does Not Apply to Breakaway Base Foundation Applications, Maximum Projection For these Applications is 3 1/2" above the foundation and 4" above the surrounding grade.

NOTES:

1. All anchor bolts shall be ASTM F 1554 grade 55 steel.
2. All anchor bolts, nuts and washers shall be fully galvanized per ASTM A153.
3. Each anchor bolt shall have four hex nuts and two flat washers, all to be furnished with pole.
4. See T.S. 5 series for additional foundation and anchor bolt details, and requirements for breakaway bases.

NOT TO SCALE

DESIGN APPROVED	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS AND LIGHTING STANDARD DRAWINGS	REVISION 03/10
APPROVED FOR DISTRIBUTION		DRAWING NO. T.S. 4-23
	POLE FOUNDATION ANCHOR BOLTS	SHEET NO. 1 OF 1