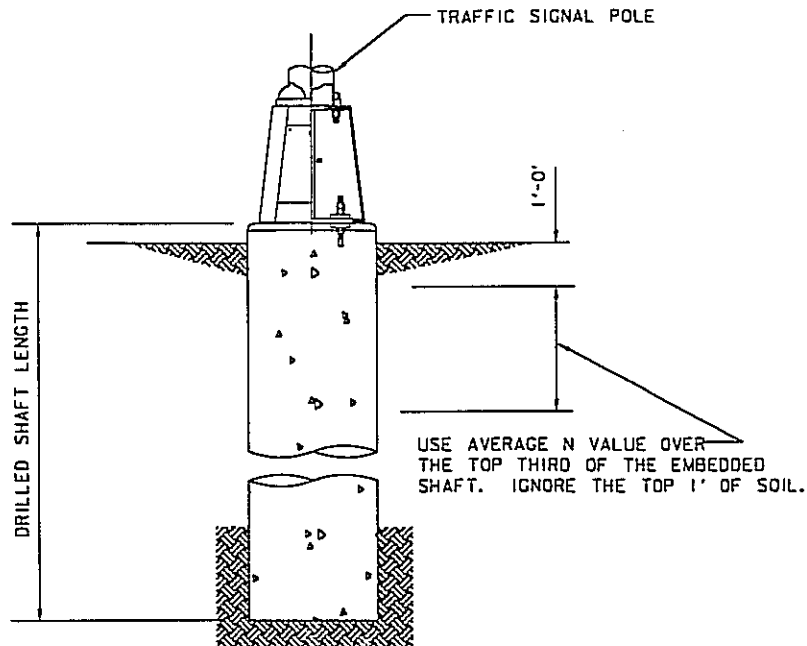
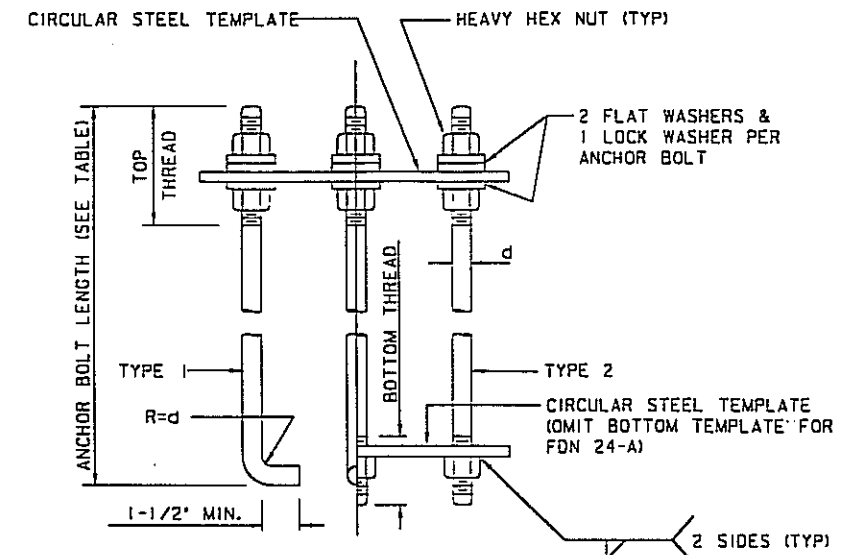


R1 MAY EQUAL R2 IF PLATE IS WELDED OF 3 OR MORE SEGMENTS

TOP VIEW



USE AVERAGE N VALUE OVER THE TOP THIRD OF THE EMBEDDED SHAFT. IGNORE THE TOP 1' OF SOIL.



HOOKED ANCHOR (TYPE 1) NUT ANCHOR (TYPE 2)

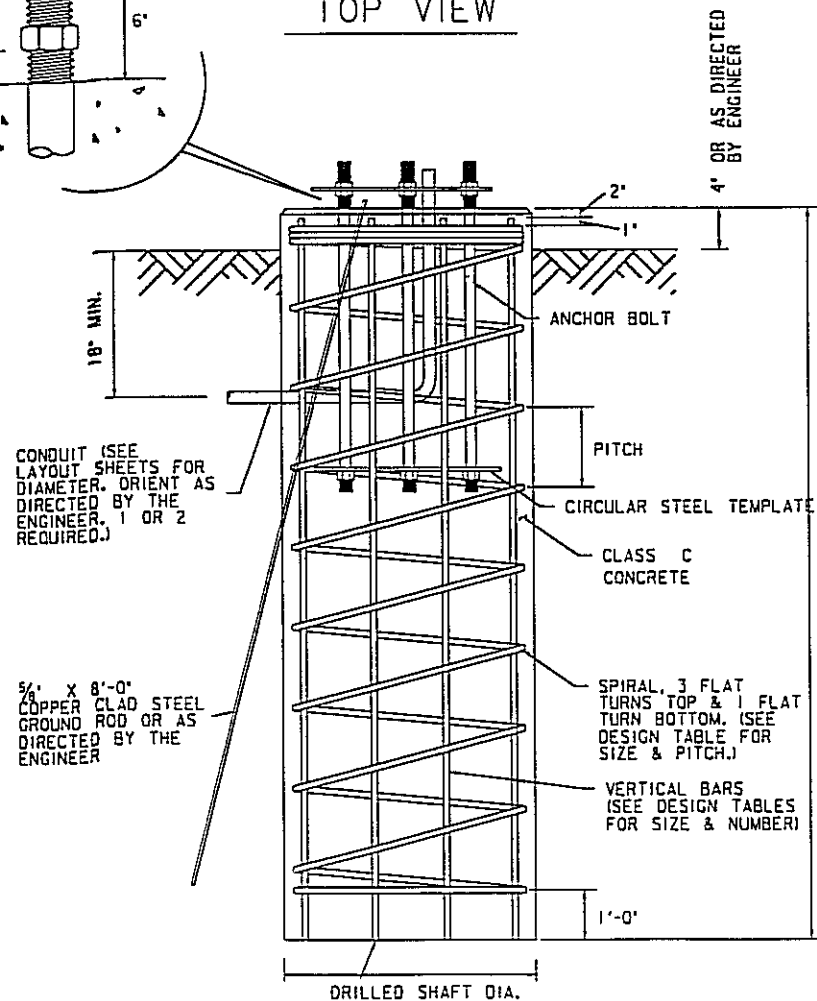
ANCHOR BOLT ASSEMBLY

ANCHOR BOLT & TEMPLATE SIZES						
BOLT DIAMETER	BOLT LENGTH	TOP THREAD	BOTTOM THREAD	BOLT CIRCLE	R2	R1
3/4"	1'-6"	3"	-	12-3/4"	7-1/8"	5-5/8"
1-1/2"	3'-4"	6"	2"	17"	10"	7"
1-3/4"	3'-10"	7"	2-1/4"	19"	11-1/4"	7-3/4"
2"	4'-3"	8"	2-1/2"	21"	12-1/2"	8-1/2"

• MINIMUM DIMENSIONS GIVEN, LONGER BOLTS ARE ACCEPTABLE

INSTALLATION PROCEDURE :

THREADS OF ANCHOR BOLTS SHALL BE COATED WITH PIPE JOINT COMPOUND PRIOR TO INSTALLATION OF UPPER NUTS WHEN ERECTING POLE. AFTER POLE IS PLUMBED AND IN PERMANENT ALIGNMENT, THE EXPOSED THREADS OF PAINTED BOLTS SHALL BE CLEANED AND AN ADDITIONAL COATING OF ZINC-RICH PAINT APPLIED TO SEAL THE BOLT THREAD-NUT JOINT.



ELEVATION

FOUNDATION DETAILS

FDN TYPE	DRILLED SHAFT DIA	REINFORCING STEEL		DRILLED SHAFT LENGTH- $f \pm$ (3), (4), (5)			ANCHOR BOLT DESIGN (1)				FOUNDATION DESIGN LOAD (2)	
		VERT BARS	SPIRAL & PITCH	TEXAS CONE PENETROMETER N blows/ $f \pm$			ANCHOR BOLT DIA	F_y (ksi)	BOLT CIR DIA	ANCHOR TYPE	MOMENT K- $f \pm$	SHEAR Kips
				10	15	40						
24-A	24"	4-#5	#2 @ 12"	5.7	5.3	4.5	3/4"	36	12 3/4"	1	10	1
30-A	30"	8-#9	#3 @ 6"	11.3	10.3	8.0	1 1/2"	55	17"	2	87	3
36-A	36"	10-#9	#3 @ 6"	13.2	12.0	9.4	1 3/4"	55	19"	2	131	5
36-B	36"	12-#9	#3 @ 6"	15.2	13.6	10.4	2"	55	21"	2	190	7

BUILT AS PER SPECIFICATIONS AND PLANS BY DURABLE SPECIALTIES INC. PROJECT COORDINATOR *John Owen*

NOTES :

- (1) ANCHOR BOLT DESIGN DEVELOPS THE FOUNDATION CAPACITY GIVEN UNDER FOUNDATION DESIGN LOADS.
- (2) FOUNDATION DESIGN LOADS ARE THE ALLOWABLE MOMENTS AND SHEARS AT THE BASE OF THE STRUCTURE.
- (3) FIELD PENETROMETER READINGS AT A DEPTH OF APPROXIMATELY 3 TO 5 FEET MAY BE USED TO ADJUST SHAFT LENGTHS.
- (4) IF ROCK IS ENCOUNTERED, THE DRILL SHAFT SHALL EXTEND A MINIMUM OF TWO DIAMETERS INTO SOLID ROCK.
- (5) DECIMAL LENGTHS IN DESIGN TABLE ARE TO ALLOW INTERPOLATION FOR OTHER PENETROMETER VALUES.



The seal appearing on this document was authorized by Alan P. McNeil, P.E. 69951, on July 8, 1968. Alteration of a sealed document without proper notification to the responsible Engineer is an offense under the Texas Engineering Practice Act.

Alan P. McNeil

DATE	REVISION	BY
TOWN OF ADDISON DALLAS COUNTY, TEXAS		
TRAFFIC SIGNAL POLE FOUNDATIONS		
PROJECT NO. 447057		
PARSONS TRANSPORTATION GROUP ENGINEERS - DALLAS, TEXAS		
DESIGNED	CHECKED	SCALE
APM	APM	SCALE
FILE # 447057.dwg		PAGE 5 OF 8