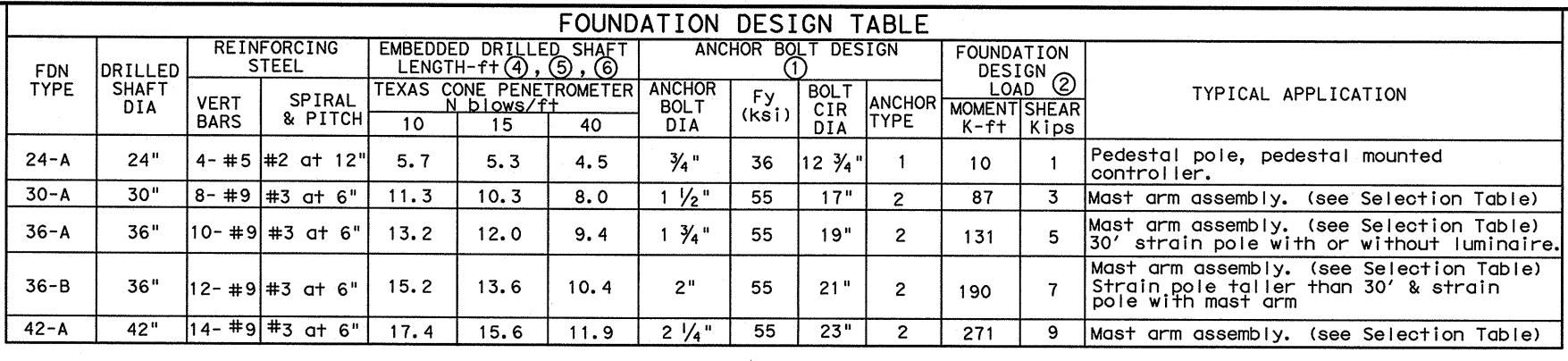
DATE: FILE:



FDN 36-B

FDN 42-A

FOUNDATION SELECTION TABLE FOR STANDARD MAST ARM PLUS ILSN SUPPORT ASSEMBLIES (ft)

FDN 36-A

48'

FDN 30-A

32'

24' X 24'

28' X 28'

MAX SINGLE ARM LENGTH

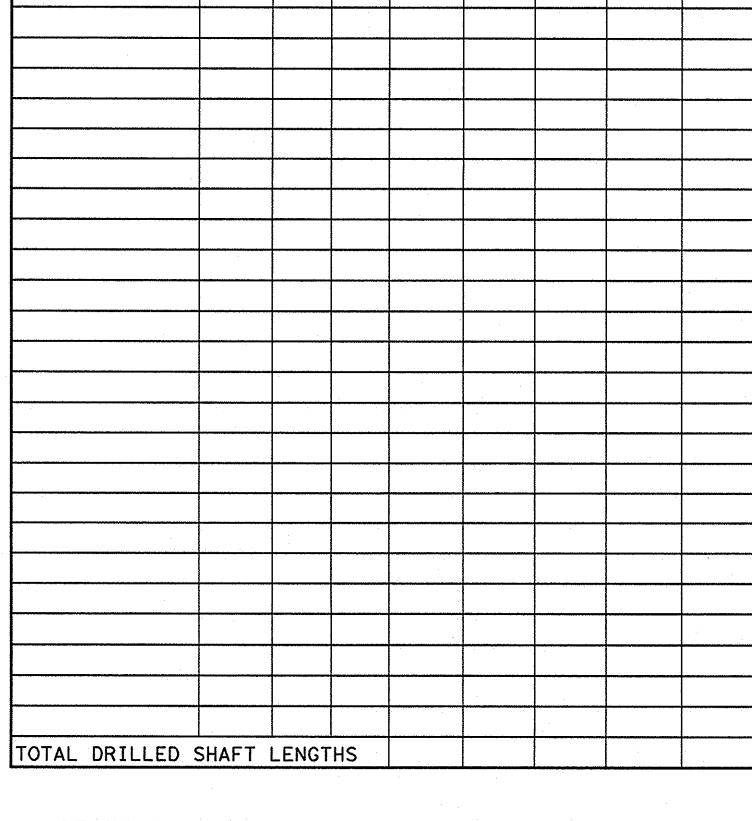
NOTES:

Traffic Signal Pole—

VXXX

- 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 Foundations may be listed separately or grouped according to similarity of location and type. Quantities are for the Contractor's information only.
- 4) Field Penetrometer readings at a depth of approximately 3 to 5 feet may be used to adjust shaft lengths.
- (5) If rock is encountered, the Drilled Shaft shall extend a minimum of two diameters into solid rock.
- (6) Decimal lengths in Design Table are to allow interpolation for other penetrometer values. Round to nearest foot for entry into Summary Table.

	ANC	HOR BOLT	& TEMPL	ATE SIZE	S	
BOLT DIA IN.	7 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"	4"	17"	10"	7"
1 3/4"	3'-10"	7"	4 1/2"	19"	11 1/4"	7 3/4"
2"	4'-3"	8"	5"	21"	12 1/2"	8 1/2 "
2 1/4"	4'-9"	9"	5 1/2"	23"	13 3/4"	9 1/4"



FOUNDATION SUMMARY TABLE 3

NO.

FDN.

TYPE EA

BLOW

DRILLED SHAFT LENGTH (6)

(FEET)

24-A 30-A 36-A 36-B 42-A

GENERAL NOTES:

LOCATION

IDENTIFICATION

Design conforms to 1994 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals and interim revisions thereto.

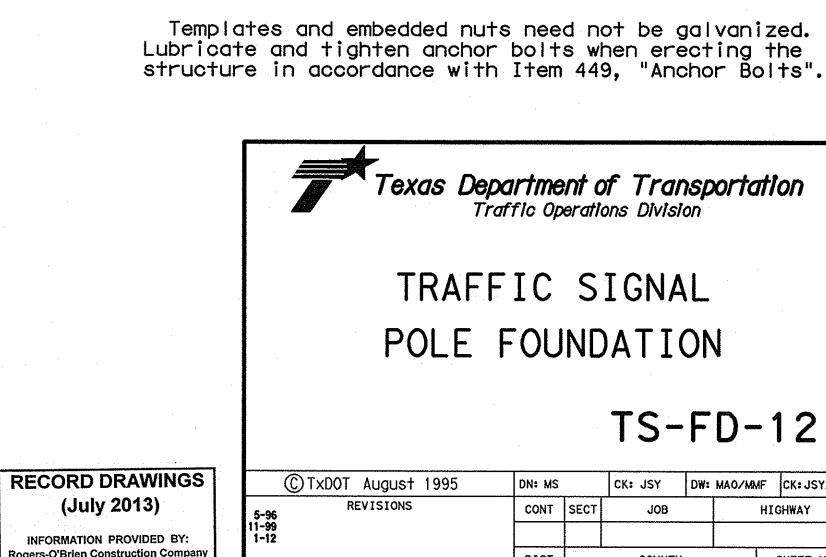
Reinforcing steel shall conform to Item 440. "Reinforcing Steel".

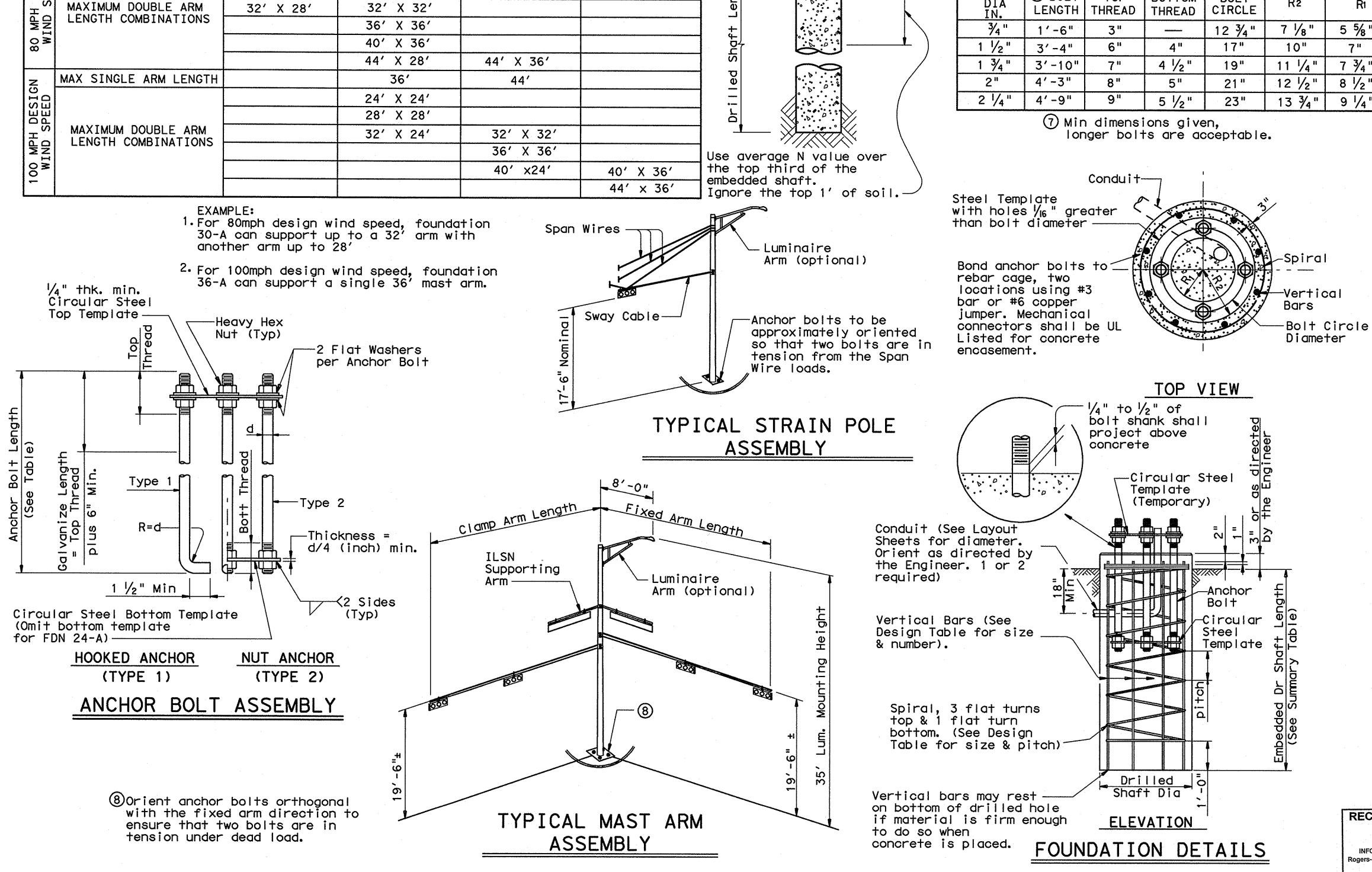
Concrete shall be Class "C".

Threads for anchor bolts and nuts shall be rolled or cut threads of 8UN series up to 2" in diameter or UNC series for all sizes. Bolts and nuts shall have Class 2A and 2B fit tolerances. Galvanized nuts shall be tapped after galvanizing.

Anchor bolts that are larger than 1" in diameter shall conform to "alloy steel" or "medium-strength mild steel" per Item 449, "Anchor Bolts". Anchor bolts that are 1" in diameter or less shall conform to ASTM A36. Galvanize a minimum of the top end thread length plus 6" for all anchor bolts unless otherwise noted. Exposed washers and exposed nuts shall be galvanized. All galvanizing shall be in accordance with Item 445, "Galvanizing".

Templates and embedded nuts need not be galvanized. Lubricate and tighten anchor bolts when erecting the structure in accordance with Item 449, "Anchor Bolts",





CK: JSY DW: MAO/MMF CK: JSY/TEI HIGHWAY DIST COUNTY SHEET NO.

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