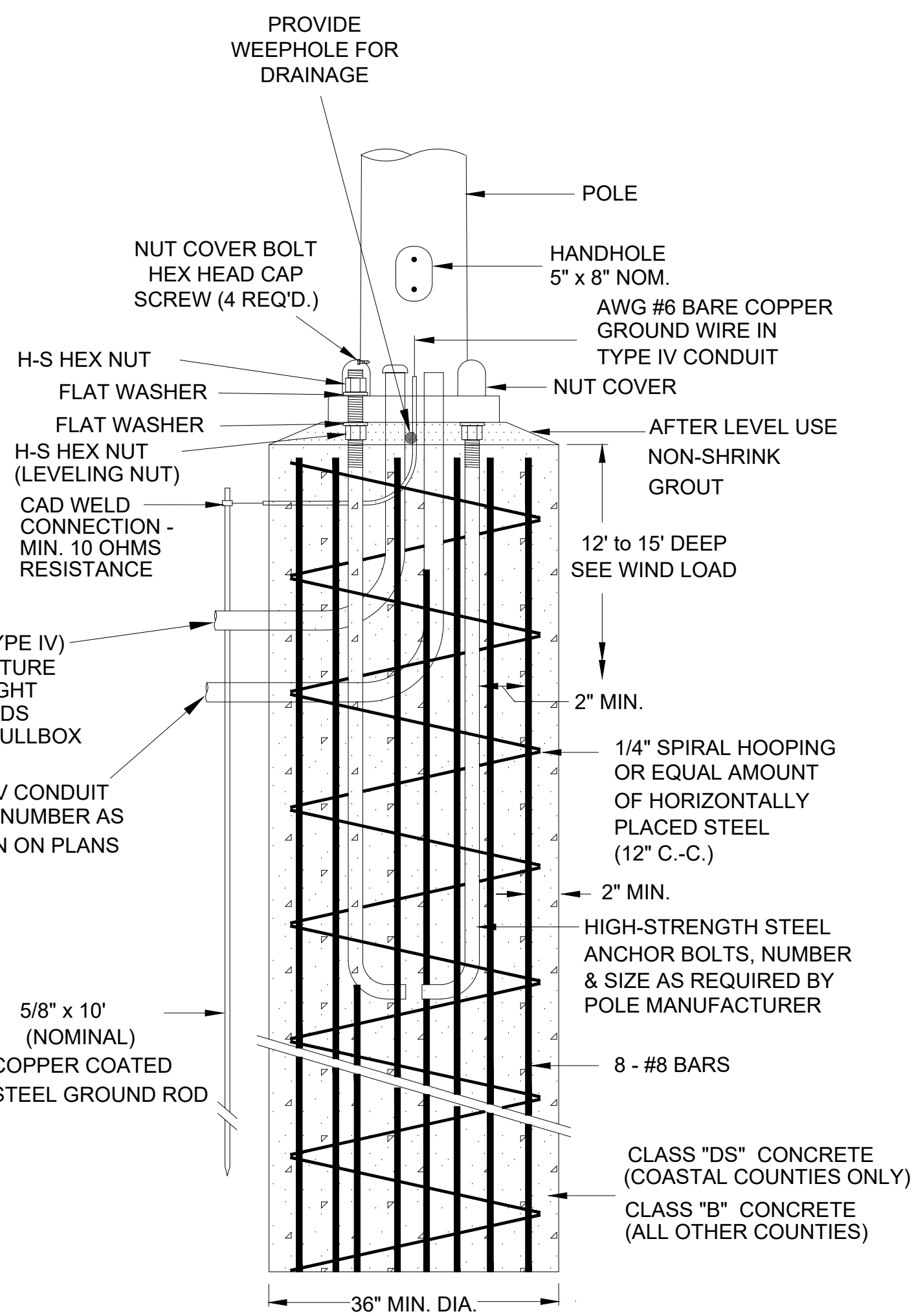


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TYPE I POLE FOUNDATION DETAIL
NOT TO SCALE

WIND SPEED DETERMINES SHAFT DIAMETER AND DEPTH:

FOUNDATION CHART

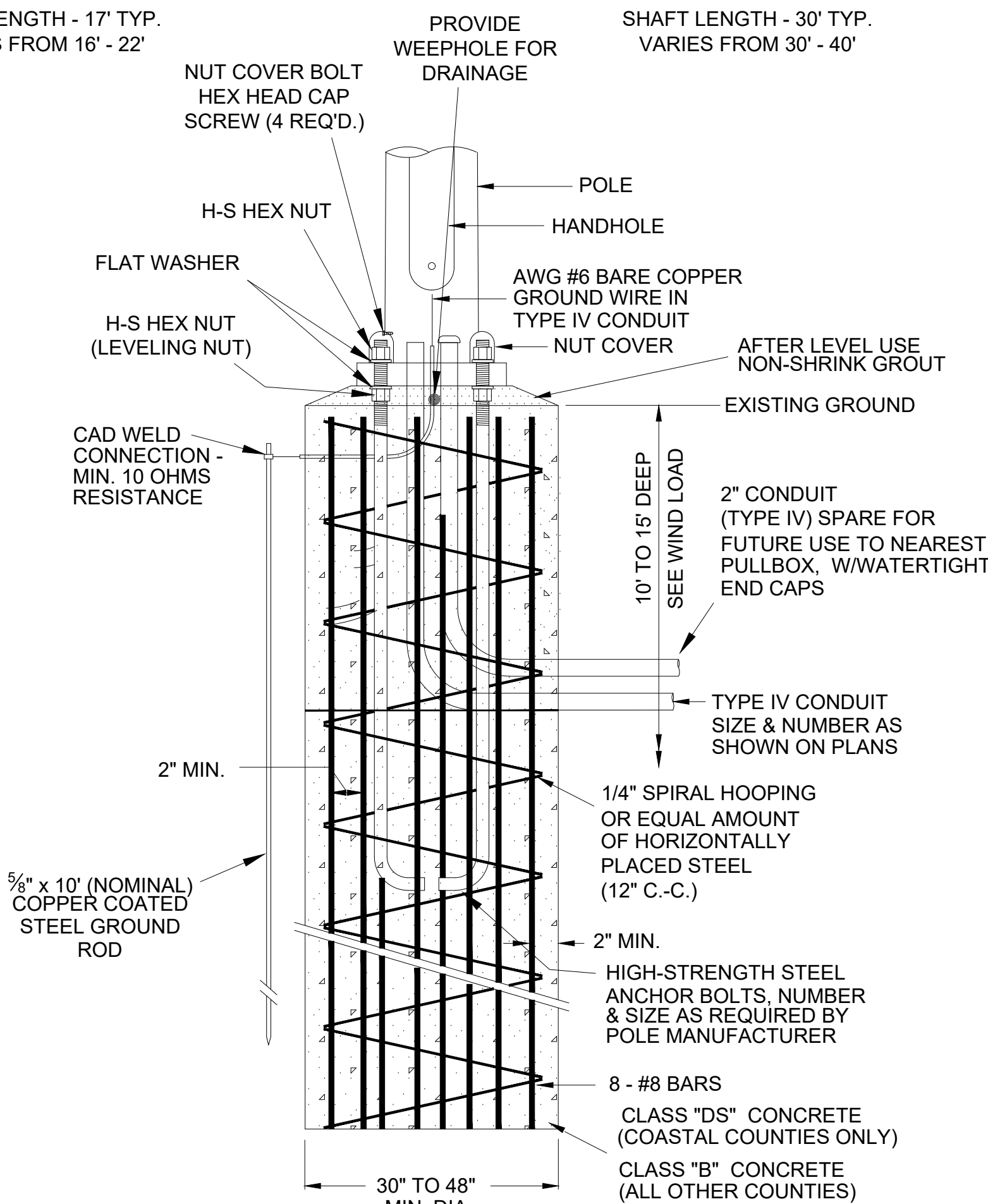
WIND SPEED	POLE TYPE	DIA. (IN.)	DEPTH (FT.)	CONCRETE	SLIP CASING
90 MPH	I	36"	12'	B	NO
100 - 130 MPH	I	36"	15'	B	NO
140 MPH	I	36"	15'	DS	YES

*SEE WIND SPEED MAP IN 2013 AASHTO GUIDELINES ON TSD-2.

TYPE II POLE
TYPE II POLE - (SINGLE ARM)

TYPE III POLE
TYPE III POLE - (DOUBLE ARM)

SHAFT LENGTH - 17' TYP.
VARIES FROM 16' - 22'



STEEL MAST ARM POLE FOUNDATION DETAIL
NOT TO SCALE

WIND SPEED DETERMINES SHAFT DIAMETER AND DEPTH:

FOUNDATION CHART

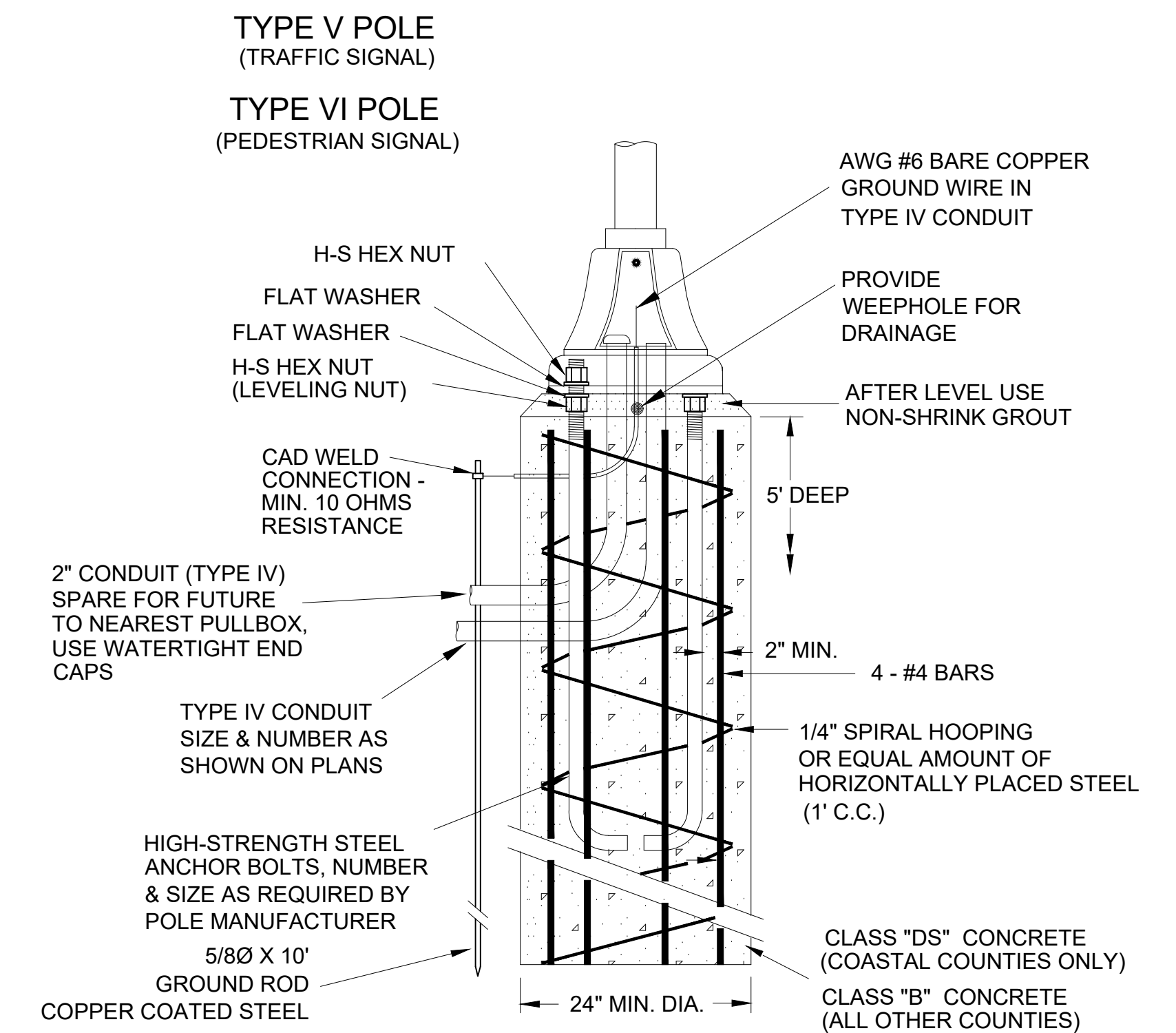
WIND SPEED	POLE TYPE	ARM LENGTH	DIA. (IN.)	DEPTH (FT.)	CONCRETE	SLIP CASING
90 MPH	II, II (L)	5' - 45'	30"	10'	B	NO
90 MPH	II, II (L)	50' - 80'	36"	12'	B	NO
90 MPH	III, III (L)	5' - 80'	36"	15'	B	NO
90 MPH	II, II (L), III, III (L)	85' & OVER	48"	15'	B	NO
100 - 130 MPH	II, II (L), III, III (L)	5' - 80'	36"	15'	B	NO
100 - 130 MPH	II, II (L), III, III (L)	85' & OVER	48"	15'	B	NO
140 MPH	II, II (L), III, III (L)	5' - 80'	36"	15'	DS	YES
140 MPH	II, II (L), III, III (L)	85' & OVER	48"	15'	DS	YES

*SEE WIND SPEED MAP IN 2013 AASHTO GUIDELINES ON TSD-2.

TYPE II (L) POLE
TYPE II POLE - (SINGLE ARM)

TYPE III (L) POLE
TYPE III POLE - (DOUBLE ARM)

SHAFT LENGTH - 30' TYP.
VARIES FROM 30' - 40'

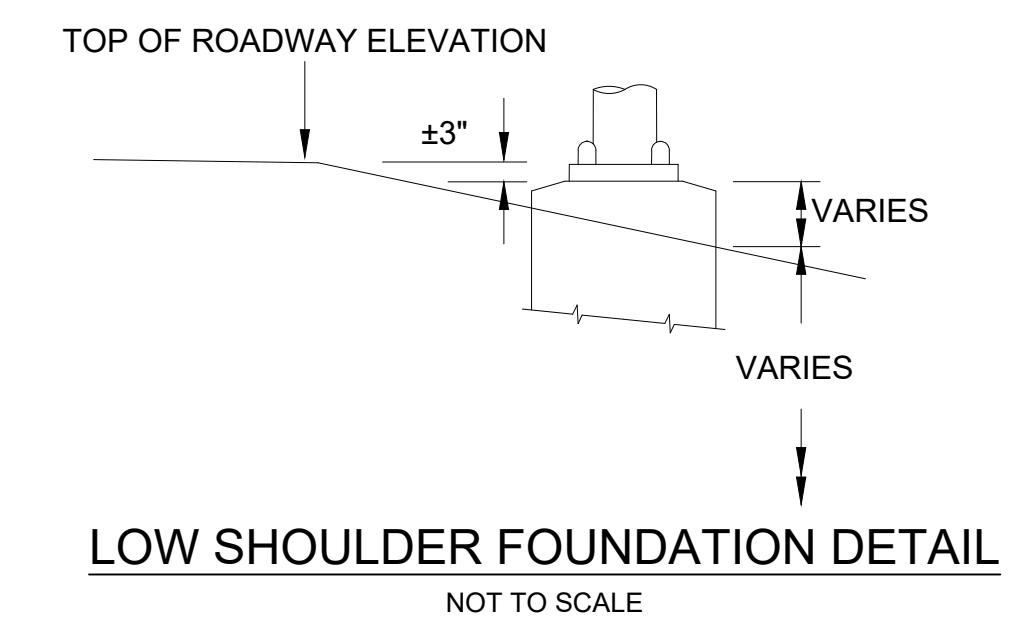


PEDESTAL POLE FOUNDATION DETAIL
NOT TO SCALE

FOUNDATION CHART

WIND SPEED	POLE TYPE	DIA. (IN.)	DEPTH (FT.)	CONCRETE	SLIP CASING
90 - 130 MPH	V, VI	24"	5'	B	NO
140 MPH	V, VI	24"	5'	DS	NO

*SEE WIND SPEED MAP IN 2013 AASHTO GUIDELINES ON TSD-2.



LOW SHOULDER FOUNDATION DETAIL
NOT TO SCALE

FOUNDATION GENERAL NOTES

1. THE CONTRACTOR SHALL STAKE THE LOCATION OF EACH POLE FOUNDATION AND NOTIFY THE PROJECT ENGINEER FOR CONCURRENCE IN THE LOCATION BEFORE PROCEEDING WITH THE PURCHASE OF THE POLE.
2. EXACT DIMENSIONS AND LOCATIONS OF ANCHOR BOLTS TO BE SUPPLIED BY THE MANUFACTURER. ANY FOUNDATIONS FAILING TO MEET MINIMUM DIMENSIONS WILL BE REJECTED.
3. DRY SHAFT EXCAVATION MUST MEET REQUIREMENTS OF SECTION 803.03.2.3.2. IF GROUNDWATER OR HOLE INSTABILITY IS ENCOUNTERED, SLIP CASING AND 10' TREMIE SHALL BE REQUIRED.
4. GROUND RODS TO BE DRIVEN UNTIL AT LEAST 12" BELOW FINISHED GROUND. SEE TRAFFIC SIGNAL GROUNDING DETAILS (TSD-5) FOR ADDITIONAL INFORMATION.

5. POLE FOUNDATIONS OF THE SIZE SPECIFIED WILL BE MEASURED BY THE CUBIC YARD, WHICH MEASUREMENT SHALL BE THE AREA BOUNDED BY THE VERTICAL PLANES OF THE NEAT LINES OF THE FOUNDATION. FIELD CONDITIONS MAY REQUIRE TALLER FOUNDATIONS THAN SPECIFIED IN THE PLANS IN WHICH THE CONTRACTOR SHALL BE PAID FOR ADDITIONAL CONCRETE PER CUBIC YARD AS BID IN THE POLE FOUNDATIONS PAY ITEM. WHERE TALLER FOUNDATIONS ARE USED, SUPPORTING STEEL SHALL EXTEND THE FULL DEPTH OF THE FOUNDATION.

6. THE FINISHED TOP SURFACE OF EACH FOUNDATION SHALL BE ±3 INCHES FROM THE PAVEMENT EDGE ELEVATION AT THE FOUNDATION LOCATION. WHERE FOUNDATIONS ARE CONSTRUCTED IN AREAS WHERE THE PAVEMENT EDGE ELEVATION AND SHOULDER EDGE ELEVATION DIFFER MORE THAN TWELVE (12) INCHES, TALLER FOUNDATIONS MAY BE USED BUT MUST BE APPROVED BY THE ENGINEER. TALLER POLES SHOULD BE EVALUATED TO MINIMIZE EXPOSED FOUNDATION.

7. WHEN POLES ARE SET WITHIN OR ON EDGE OF SIDEWALK, POLES SHALL BE AS FLUSH AS POSSIBLE WITH SIDEWALK GRADE. THE FOOTPRINT OF THE NON-SHRINK GROUT PAD MAY BE REDUCED IN SIZE TO PROVIDE ADEQUATE CLEARANCE FOR SIDEWALK AND/OR ACCESSIBILITY CONSIDERATIONS.

8. SLIP CASINGS OF THE SIZE SPECIFIED WILL BE MEASURED BY THE LINEAR FOOT FROM THE GROUND ELEVATION TO THE BOTTOM OF THE STRATA NEEDING TO BE CASIED.

NO.	REVISIONS	DATE	BY

Kimley»Horn

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KHA PROJECT 142362033	DATE 2/2022	SCALE AS SHOWN	DESIGNED BY BST	DRAWN BY BST	CHECKED BY CBB
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SIGNAL POLE AND PEDESTAL POLE FOUNDATION DETAILS

LOVE'S TRAVEL STOP
TRAFFIC SIGNAL DESIGN
PREPARED FOR
MDOT

PICAYUNE, MS