NOTES:

- I. A 1/4" THICK STEEL PLATE TEMPLATE WITH HOLES 1/16" GREATER THAN THE ANCHOR BOLT DIAMETER SHALL BE USED TO ACCURATELY POSITION ANCHOR BOLTS.
- 2. CONCRETE USED FOR FOUNDATIONS SHALL BE EITHER CLASS A OR CLASS C AS DEFINED IN THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS'
 "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" ITEM 7.4.5
- 3. ALL ANCHOR BOLT HOOKS SHALL BE POINTED TOWARDS THE CENTER OF THE FOUNDATION.
- 4. ALL CONDUITS PLACED IN THE FOUNDATION SHALL BE ORIENTED AS IND-ICATED ON THE INTERSECTION CONDUIT LAYOUT.
- VERTICAL BARS 5. 7" OF THE THREADED PORTION OF EACH ANCHOR BOLT SHALL PROJECT ABOVE THE TOP SURFACE OF THE FOUNDATION.
 - 6. A 5/8" X 8'-0" COPPER CLAD STEEL GROUND ROD SHALL BE PLACED IN THE FOUNDATION WITH A MINIMUM OF 4" OF THE ROD PROJECTING ABOVE THE FOUNDATION'S TOP SURFACE.
 - 7. EACH GROUND ROD SHALL BE DRIVEN INTO THE SOIL FOR A MINIMUM OF 3' AS INDICATED ON THE DRAWING AT THE LEFT.
 - 8. WHEN SOLID ROCK IS ENCOUNTERED DURING DRILLING, THE DRILLED SHAFT SHALL EXTEND 5'-0" INTO SOLID ROCK, OR TO A DEPTH DETERMINED BY THE INSPECTOR.
 - 9. THE CONFIGURATION FOR ANCHOR BOLTS AND VERTICAL BARS INSIDE THE SPIRAL CAGE SHALL BE AS INDICATED ON DRAWING AT THE LEFT.
 - 10. SEE SELECTION TABLE FOR APPROPRIATE DRILLED SHAFT DEPTH FOR A GIVEN TYPE OF POLE AND ARM.
 - II. ALL STEEL REINFORCEMENT BARS SHALL BE OF INTERMEDIATE GRADE. 12. A 2' DEEP CIRCULAR FORM SHALL BE PLACED TO ENCASE THE TOP
 - PORTION OF ALL CIRCULAR FOUNDATIONS. 13. CONNECT #6 AWG STRANDED UNINSULATED COPPER GROUNDING
 - CONDUCTOR TO GROUND ROD WITH A KEARNEY CLAMP. FOR FURTHER DETAILS CONCERNING GROUNDING CONSULT "DETAILS FOR GROUNDING CABINETS AND POLES" DRAWING.

FOUNDATION SELECTION TABLE

TYPE OF POLE		DRILLED	SPIRAL	1	DRCEMENT	DBILLED	ANCHOR BOLT -	ANCHOR	TEMF	PLATE
AND MAST ARM	FOUNDATION TYPE	SHAFT	CAGE	VERT BARS	SPIRAL & PITCH	SHAFT	QUANTITY AND	BOLT CIRCLE DIAMETER	INSIDE RADIUS RI	OUTSIDE RADIUS R2 (MIN.)
TYPE I UP TO 48' ARM	36-A	36"	25"	10-#9'S	#3 AT 6"	13′-0"	(2) - 1 3/4"	19"	7 3/4"	11 1/4"
TYPE I UP TO 65' ARM	48-A	48"	25"	20-#9'S	#4 AT 6"	22′-0"	(2) - 2 1/2"	27"	11"	16"
				,						

NOTES:

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•no ref logical•, •no ref name•, •no ref levels•
•no ref logical•, •no ref name•, •no ref levels•
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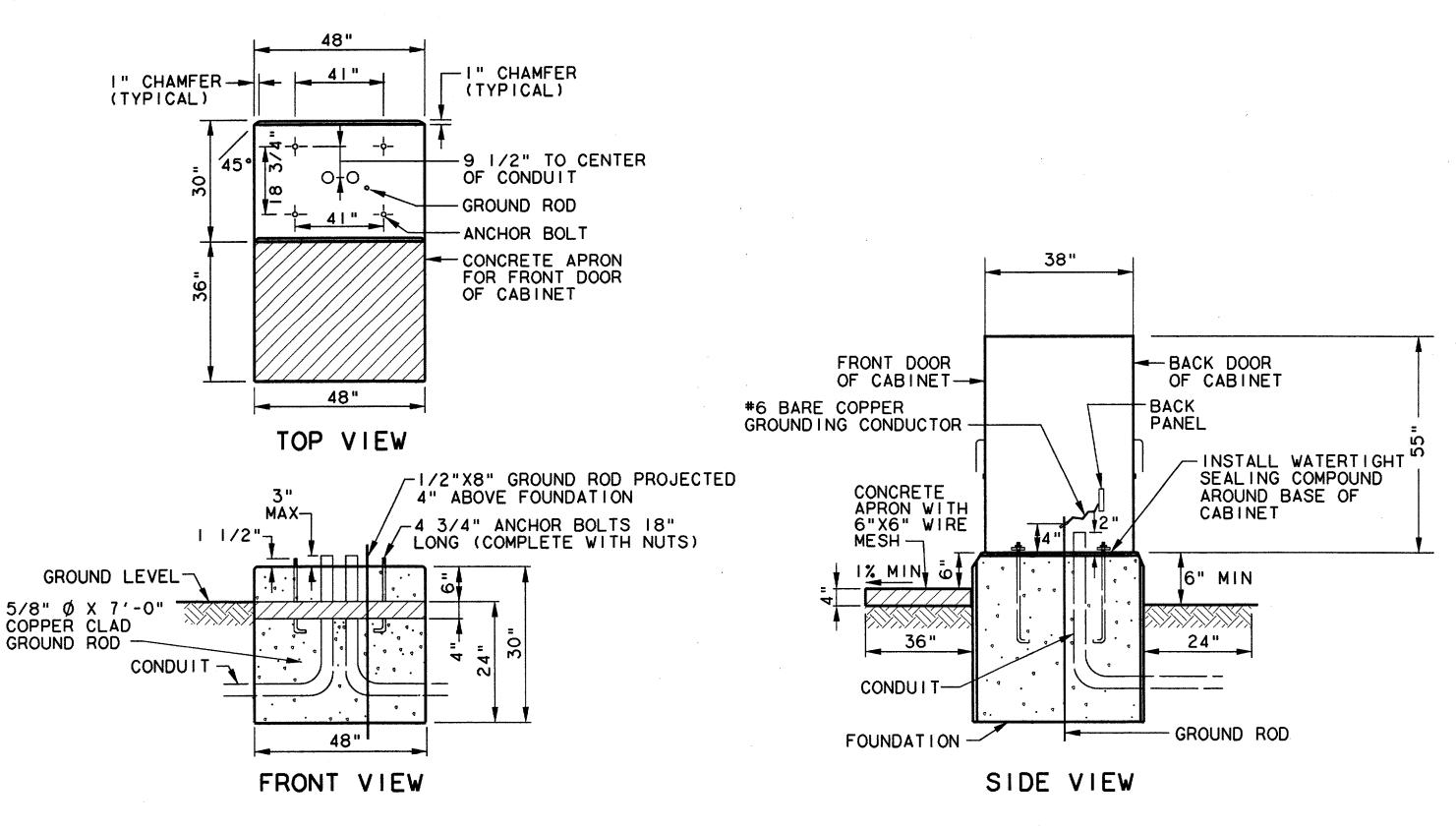
B, 32200(GBD01,DGN, 3-19,21-34,37-39,41-61
-no ref logical-, -no ref name-, -no ref levels-no ref logical-, -no ref name-, -no ref levels-no ref logical-, -no ref name-, -no ref levels-no ref logical-, -no ref name-, -no ref levels-

I. DRILLED SHAFT DIAMETER AND DEPTH, AND NUMBER OF VERTICAL BARS BASED ON TXDOT DISTRICT 18 STANDARDS FOR 80 MPH WINDS.

AT LEFT.

2. SINGLE MAST ARM.

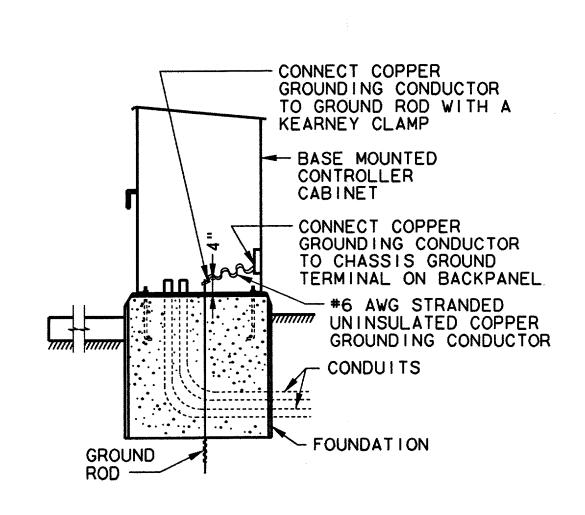
POLE FOUNDATION DETAILS FOR TRAFFIC SIGNAL STRUCTURES



DETAILS FOR INSTALLING CONTROLLER CABINET AND FOUNDATION

GENERAL NOTES

- I. ALL CONTROLLER CABINETS AND SIGNAL POLES MOUNTED ON NEW FOUNDATIONS MUST BE GROUNDED.
- 2. SIZE OF COPPER CLAD STEEL GROUND ROD SHALL BE 5/8"Ø X 8'-0".
- 3. WHEN INSTALLING A GROUND ROD IN AN EXISTING FOUNDATION, DRILL I" HOLE THROUGH THE FOUNDATION MISSING ALL ANCHOR BOLTS AND CONDUITS. AND PACK THE DRILLED HOLE WITH SALT.
- 4. GROUND ROD SHALL CLEAR ALL ANCHOR BOLTS AND CONDUITS IN THE FOUNDATION. GROUND RODS SHALL EXTEND 4" ABOVE THE TOP OF FOUNDATION.

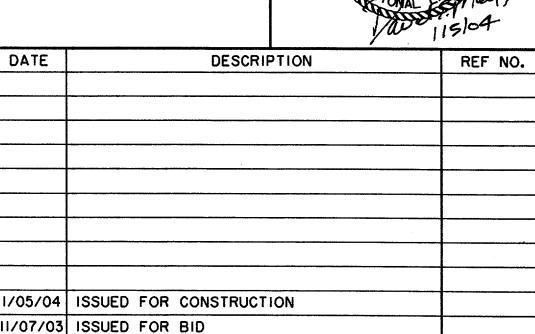


GROUND CABINETS DETAIL

(4) ANCHOR BOLTS WITH (2) HEX NUTS AND (2) WASHERS PER BOLT WITH THREADED END GALVANIZED AT LEAST 12"

VARIES SEE FOUNDATION

ANCHOR BOLT NO SCALE



TRAFFIC SIGNAL CONTROLLER CABINET.
AND SIGNAL FOUNDATION DETAILS

SPECTRUM DRIVE EXTENSION

TOWN	OF	ADDISON,	TEXAS
	Hu	uitt - Zollars, Inc.	

3131 Mckinney Ave., Suite 600, Dallas, TX 75204 Phone (214) 871-3311/Fax (214) 871-0757 DRAWN PROJECT NO. SCALE NOV 2003 NTS DEM 01-3220-01

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