

**TOP VIEW
 F-8 FOUNDATION FOR STEEL POLES**

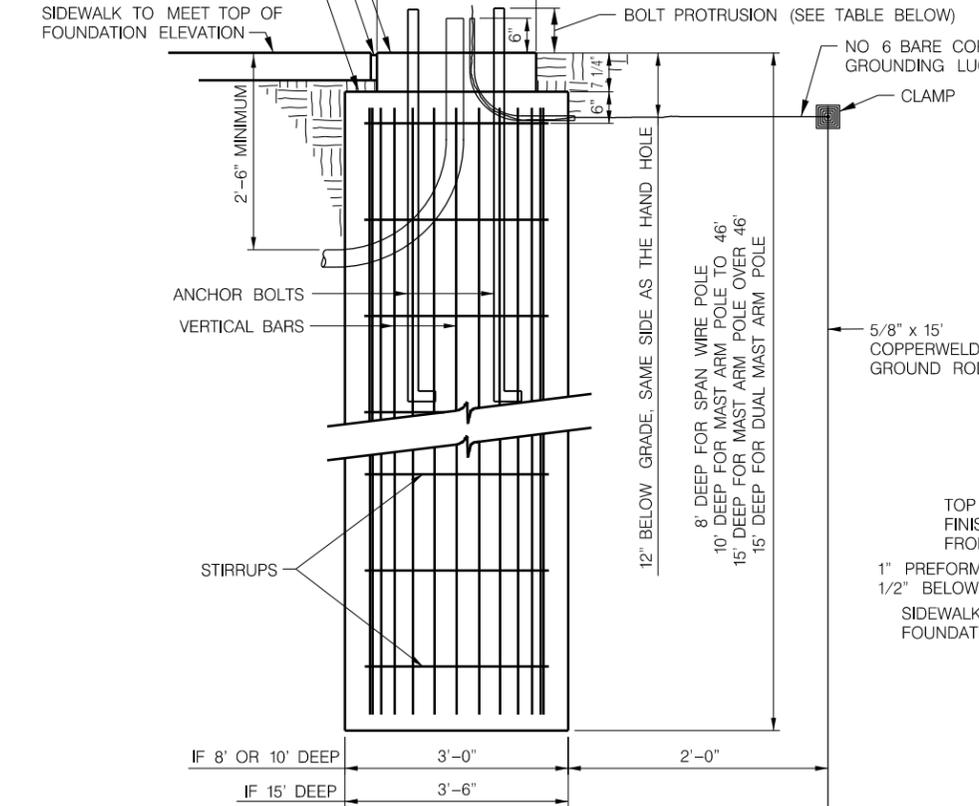
TOP OF FOUNDATION SHALL BE NEATLY FINISHED TO ELEVATIONS PROVIDED FROM THE DESIGN PLANS

1" PREFORMED EXPANSION JOINT, 1/2" BELOW TOP OF FOUNDATION

TOP OF FOUNDATION CYLINDER SHALL BE NEATLY FINISHED LEVEL

SIDEWALK TO MEET TOP OF FOUNDATION ELEVATION

2'-0" x 2'-0" CAP IF 8' OR 10' DEEP
 2'-3" x 2'-3" CAP IF 48' TO 70' ARM
 2'-6" x 2'-6" CAP IF 75' ARM



**SIDE VIEW
 F-8 FOUNDATION FOR STEEL POLES**

F-8 REINFORCING STEEL

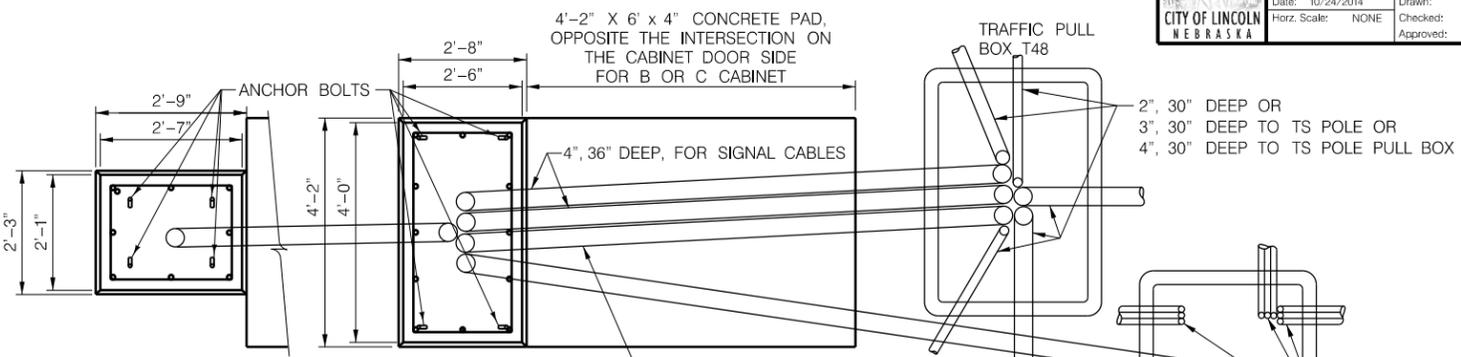
ALL STEEL TO BE A MINIMUM OF 3" FROM EDGE OF FOUNDATION

- F-502 (8) 6'-10" OF NO 5 VERTICAL BARS FOR 8'-0" DEEP
 (8) 8'-10" OF NO 5 VERTICAL BARS FOR 10'-0" DEEP
 (24) 13'-10" OF NO 7 VERTICAL BARS FOR 15'-0" DEEP

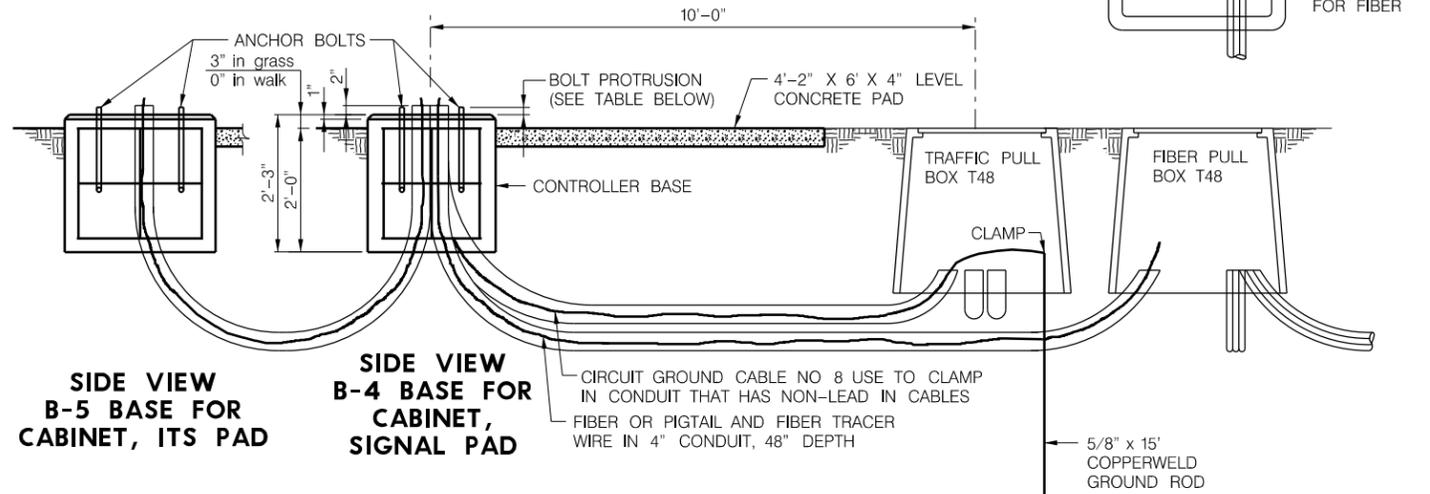
- F-503 (8) NO 5 STIRRUPS AT 1'-0" CENTERS FOR 8'-0" DEEP
 (10) NO 5 STIRRUPS AT 1'-0" CENTERS FOR 10'-0" DEEP
 (10) NO 4 STIRRUPS AT 1'-6" CENTERS FOR 15'-0" DEEP

(ALTERNATE)

- F-501 (8) NO 5 STIRRUPS AT 1'-0" CENTERS FOR 8'-0" DEEP
 (10) NO 5 STIRRUPS AT 1'-0" CENTERS FOR 10'-0" DEEP
 (10) NO 4 STIRRUPS AT 1'-6" CENTERS FOR 15'-0" DEEP



**TOP VIEW
 B-5 BASE FOR CABINET, ITS PAD**
**TOP VIEW
 B-4 BASE FOR CABINET, SIGNAL PAD**



**SIDE VIEW
 B-5 BASE FOR CABINET, ITS PAD**
**SIDE VIEW
 B-4 BASE FOR CABINET, SIGNAL PAD**

B-4 OR B-5 CONTROLLER BASE, PAD AND GROUND ROD INSTALLATION

ALL STEEL IS NO 4 WITH A MINIMUM 3" CLEARANCE TO ANY EDGE OF CONCRETE

CABINET PAD

THE 4'-2" X 6" X 4" CONCRETE PAD SHALL BE LEVEL IN BOTH DIRECTIONS.

GROUNDING

THE GROUND ROD FOR THE B-4 AND F-4A CONTROLLER BASE SHALL BE INSTALLED IN A PULL BOX NOT LESS THAN 10' FROM THE CONTROLLER. (1) NO 8 USE CABLE SHALL BE INSTALLED BETWEEN THE CONTROLLER AND THE GROUND ROD. THE CONTRACTOR SHALL BOND THE CABLES AT THE GROUND ROD AND IN THE CABINET. THE GROUND ROD FOR THE F-8 AND F-4A FOUNDATION SHALL BE LOCATED 2' FROM THE EDGE OF THE FOUNDATION AND THE TOP OF THE GROUND ROD SHALL BE 1' BELOW THE FINISHED GRADE. UNDER NO CIRCUMSTANCES SHALL THE GROUND ROD BE INSTALLED WITHIN THE CABINET BASE OR POLE FOUNDATION.

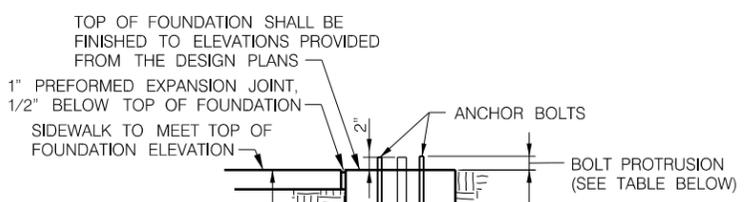
CONDUIT BENDS

90 DEGREE FACTORY SWEEPS, WITH A 48" RADIUS, SHALL BE USED IN CONTROLLER BASES, THE HOME RUN PULL BOX (FIRST ELECTRICAL PULL BOX TO THE CABINET) AND IN FIBER PULL BOXES; IN ALL OTHER CASES, 90 DEGREE BENDS, WITH A MINIMUM 16" RADIUS SHALL BE USED.

ANCHOR BOLT PROTRUSION

THE BOLT PROTRUSION SHOWN IN THE TABLE BELOW SHALL BE FROM THE HIGHEST CORNER BOLT AND THE OTHER BOLTS SHALL BE LEVEL TO THE BOLT TOPS FROM THAT BOLT.

F-4A FOUNDATION FOR PEDESTAL POLES

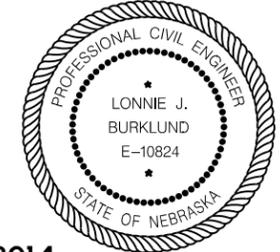


**TOP VIEW
 F-4A FOUNDATION FOR PEDESTAL POLES**

**SIDE VIEW
 F-4A FOUNDATION FOR PEDESTAL POLES**

SEE F-8 FOR GROUND ROD INSTALLATION

	ANCHOR BOLT INFORMATION					
	CABINET	PEDESTAL	18'-32' ARM	34'-46' ARM	48'-70' ARM	75' ARM
ANCHOR BOLT SIZE	3/4" x 18" x 3"	3/4" x 18" x 3"	1 1/2" x 54" x 6"	1 3/4" x 84" x 6"	2" x 84" x 6"	2" x 84" x 6"
BOLT CIRCLE	-	13"	17"	17 1/2"	20 1/2"	22 1/2"
BOLT PROTRUSION	1 1/2"	3"	5"-6"	6 1/4"-6 3/4"	6 3/4"-7 1/4"	6 3/4"-7 1/4"
THREAD LENGTH	3 5/8"	3 5/8"	8"	8"	10"	10"



EFFECTIVE NOVEMBER 1, 2014
FOUNDATIONS AND BASES