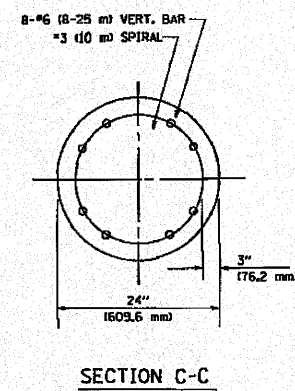
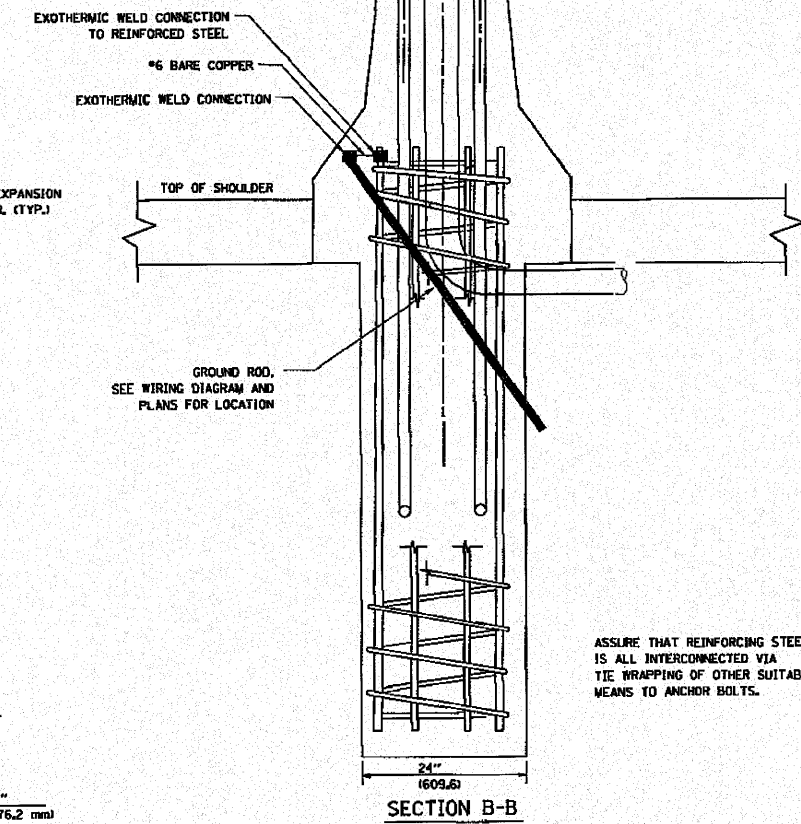
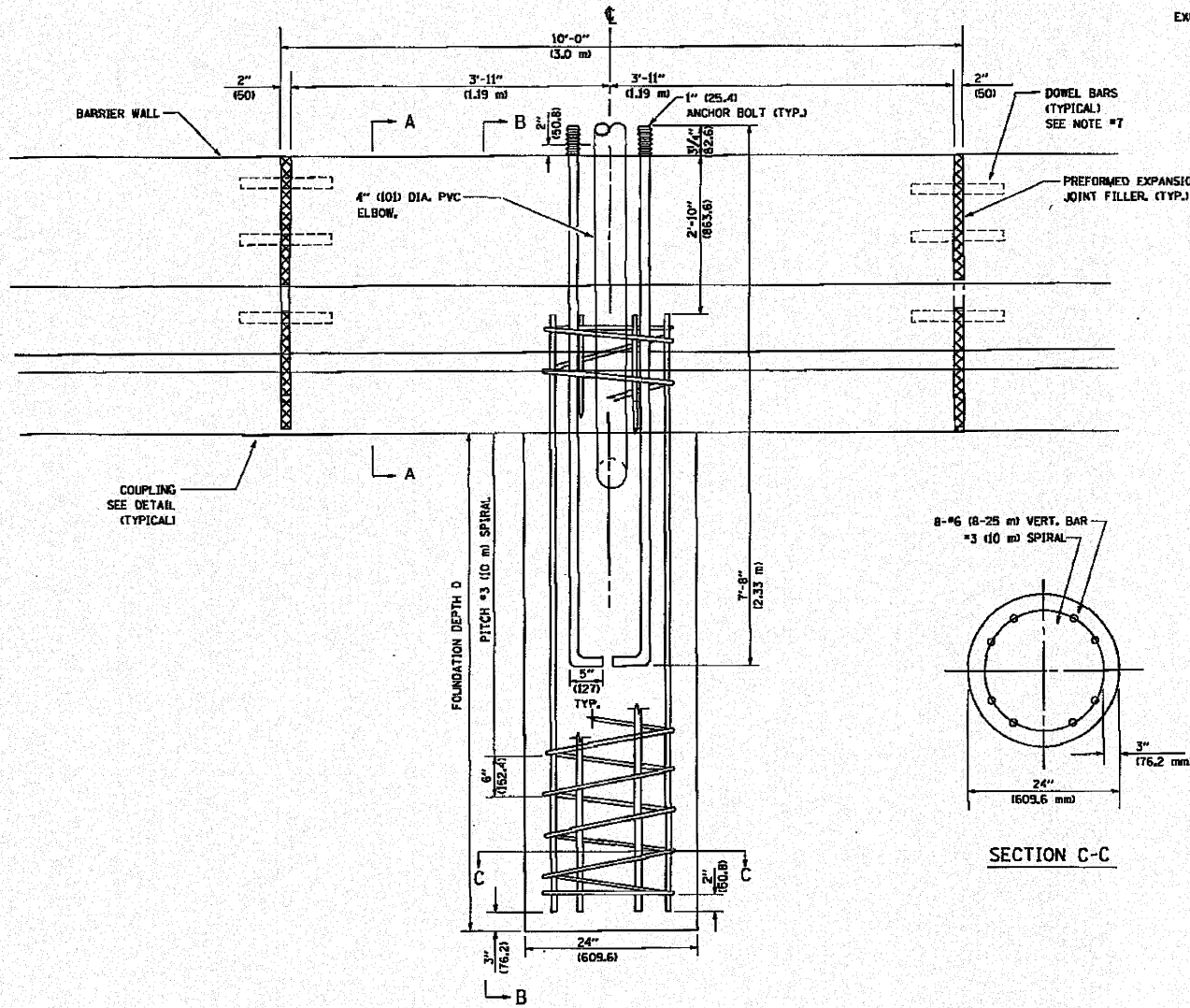
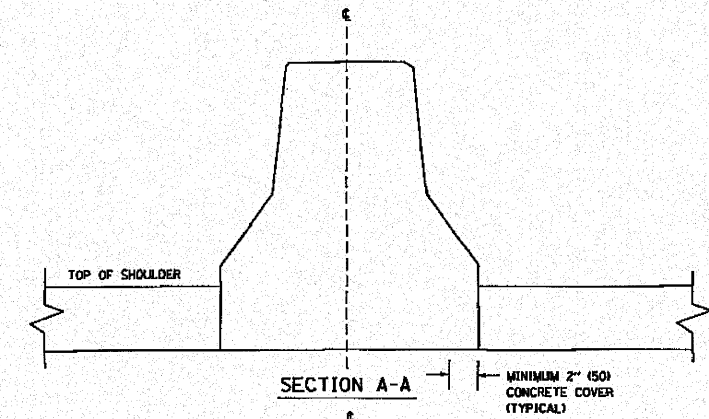
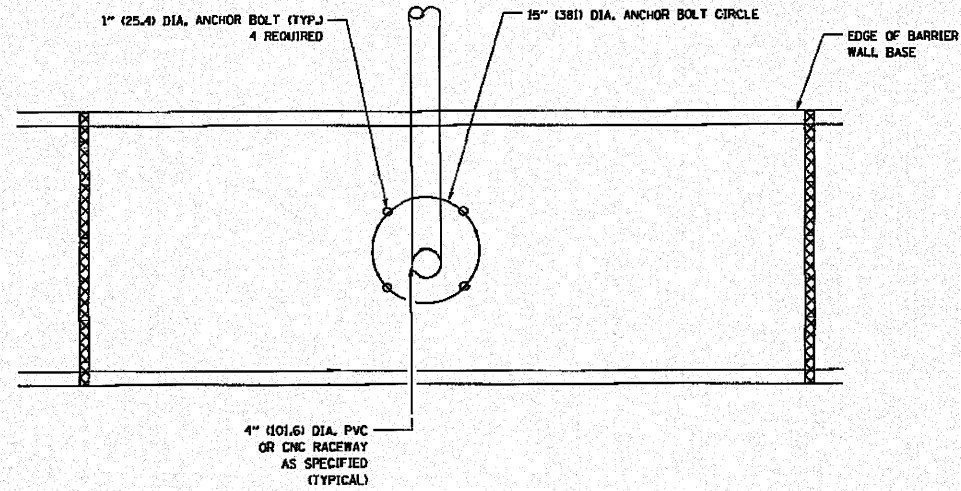


**NOTES:**

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORMS.
3. THE CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #4 (15 mm) TIES AT 12" (304.8 mm) CTRS. FOR THE #3 (10 mm) SPIRAL. TACKLED WELDED TYPE BOLT MAY BE SUBSTITUTED FOR THE HOOK TYPE BOLT.
4. COLD BENDING OF THE HOOK BOLT SHALL NOT BE ALLOWED.
5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER 24 INCHES (609.6 mm) IN DIAMETER.
6. THE ENGINEER SHALL DETERMINE THE TYPE OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE USING THE DOMINANT CHARACTERISTIC OF THE SOIL ENCOUNTERED.
7. BARRIER WALL EXPANSION AND CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL 637001-02 AND 637006 AS APPLICABLE.



TYPE OF SOIL	FOUND DEPTH D	REINFORCEMENT IN FOUNDATION	
		VERTICAL BARS	SPIRAL
ROCK OR SOLIDIFIED SLAG	5'-0" (1.52 m)	NONE	NONE
DENSE SAND	7'-9" (2.36 m)	8-#6 x 9'-0" (8-20 m x 2.74 m)	#3 x 90" (3 m x 27.43 m)
MEDIUM SAND	8'-3" (2.51 m)	8-#6 x 9'-5" (8-20 m x 2.87 m)	#3 x 94" (3 m x 28.65 m)
LOOSE SAND	9'-0" (2.74 m)	8-#6 x 10'-2" (8-20 m x 3.09 m)	#3 x 100" (3 m x 30.48 m)
STIFF CLAY	7'-0" (2.13 m)	8-#6 x 10'-8" (8-20 m x 2.48 m)	#3 x 80" (3 m x 24.38 m)
MEDIUM CLAY	9'-6" (2.89 m)	8-#6 x 10'-8" (8-20 m x 3.25 m)	#3 x 104" (3 m x 31.69 m)
SOFT CLAY	13'-0" (3.96 m)	8-#6 x 14'-2" (8-20 m x 4.32 m)	#3 x 144" (3 m x 43.89 m)

DESIGN: 80 MPH AASHTO

ASSURE THAT REINFORCING STEEL IS ALL INTERCONNECTED VIA TIE WRAPPING OF OTHER SUITABLE MEANS TO ANCHOR BOLTS.

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<b>ENGINEERING CONSULTANT</b>  Corba Group, Inc. CONSULTING ENGINEERS 6507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60649 Tel: 773.775.4008 Fax: 773.775.4014 Email: cgroup@corba.com	USER NAME = coornwell PLOT SCALE = 1:8000' / IN. PLOT DATE = 10/27/2010	DESIGNED - JG & RT DRAWN - RJR CHECKED - JMV DATE - 10/27/2010	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHT POLE FOUNDATION INTEGRAL WITH BARRIER WALL, 24" DIAMETER	F.A.I. RTE. 80 SECTION 99-5-Y COUNTY WILL TOTAL SHEETS 277 SHEET NO. 182 CONTRACT NO. 60147 ILLINOIS FED. AID PROJECT
	SCALE: 1" = 50' SHEET NO. OF 277 SHEETS STA. TO STA.					