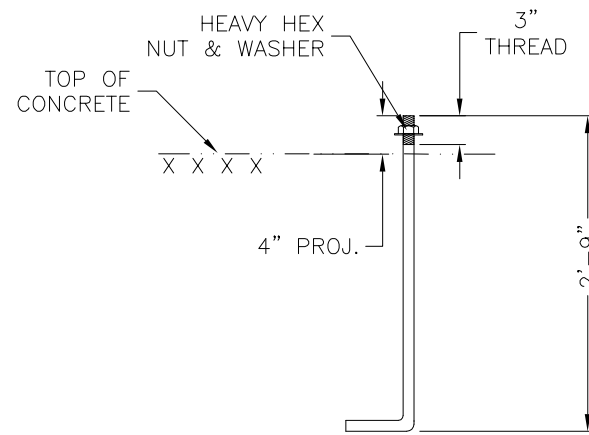


FOUNDATION PLAN

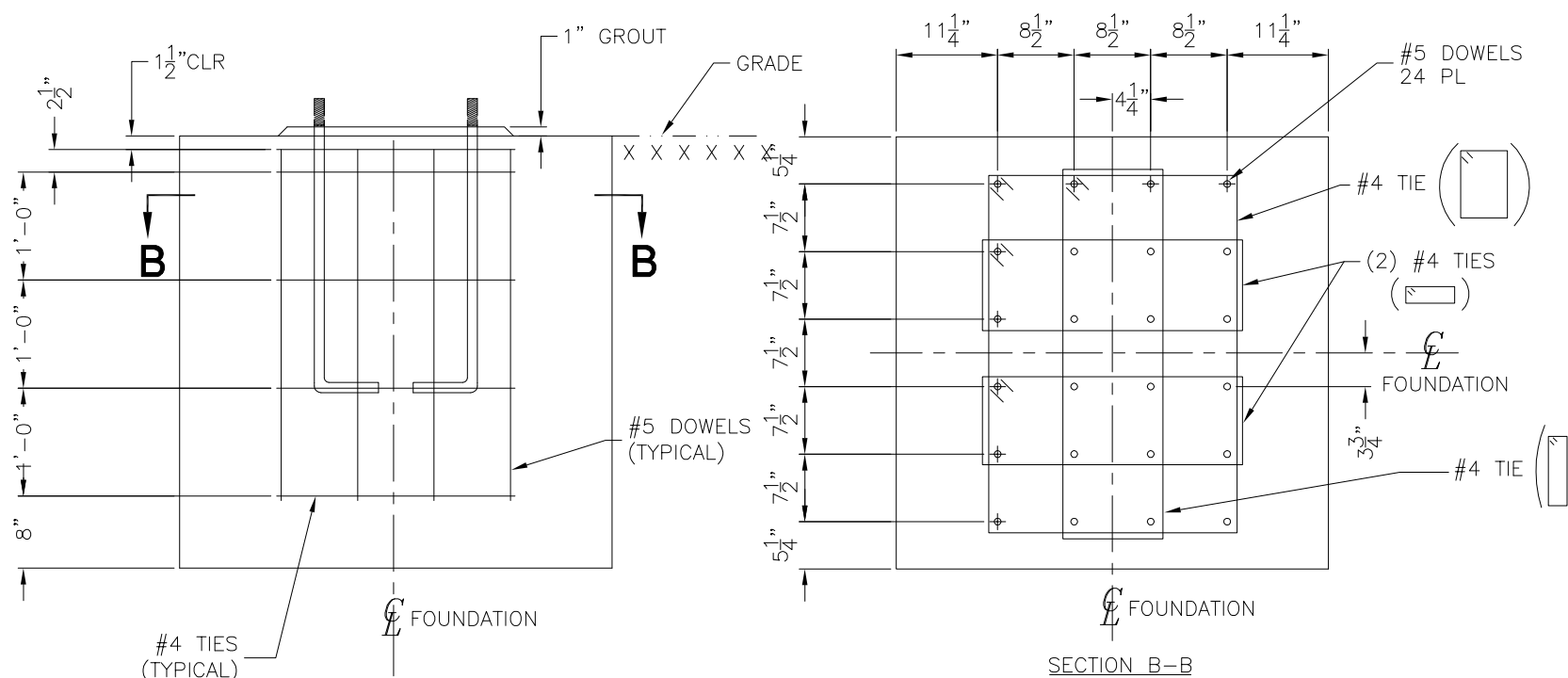
2 INCH CONDUIT FOR POWER
1 INCH CONDUIT FOR CONTROLS
DRIVE BOLLARD SIDE ONLY



ANCHOR BOLT DETAIL
ø 1 1/8 DIAMETER

NOTES:

1. THE CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS. THE CEMENT SHALL BE AS PER ASTM 150. THE MAXIMUM AGGREGATE SIZE SHALL BE 1 INCH.
2. REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM SPECIFICATION A-615, GRADE 60. DETAILING OF THE REINFORCEMENT SHALL CONFORM TO THE ACI-318 SPECIFICATION (LATEST EDITION).
3. THE FOUNDATIONS SHALL BE POURED ON UNDISTURBED SOIL UTILIZING THE EARTH AS THE FORM FOR THE BOTTOM AND SIDES. STANDING WATER IN THE EXCAVATION SHALL BE REMOVED PRIOR TO POURING THE FOUNDATION.
4. ANCHOR ROD MATERIAL SHALL BE PER ASTM A-36 (MINIMUM) AND SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM 123. THE NUTS FOR THE ANCHOR RODS SHALL BE PER ASTM A536, GRADE B, HEAVY HEX.
5. THE GROUT SHALL BE A CEMENTIOUS NON-SHRINK GROUT SUCH AS "FIVE STAR GROUT" OR EQUAL. APPLY THE GROUT IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
6. THE FOUNDATION DIMENSIONS SHOWN (4 FEET X 4 FEET X 4 FEET DEPTH) ARE CONSIDERED MINIMUM. IT IS ANTICIPATED THAT THE FOUNDATIONS WILL ROTATE AND BE DISPLACED LATERALLY UPON IMPACT OF THE VEHICLE. THE MAGNITUDE OF THE FOUNDATION DISPLACEMENT WILL VARY DEPENDING ON THE MASS AND VELOCITY OF THE VEHICLE AND THE LOCAL SOIL CONDITIONS. AFTER IMPACT OF THE BARRIER ARM, THE FOUNDATIONS AND SURROUNDING SOIL SHOULD BE INSPECTED BY A COMPETENT PERSON TO DETERMINE IF REPAIR OR REPLACEMENT IS REQUIRED.



SECTION A-A

SECTION B-B

**CR-25 Barrier
MINIMUM FOUNDATION
REQUIREMENTS**

B&B ARM
2009 Chenault Dr. #114
Carrollton, TX 75006
800-367-0387