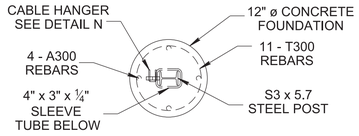
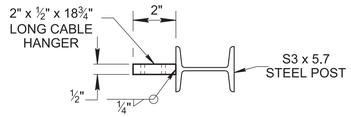
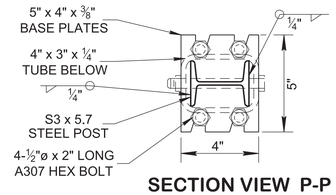


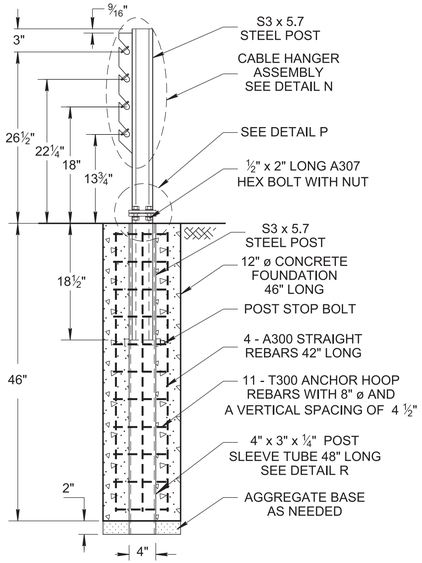
PLAN VIEW



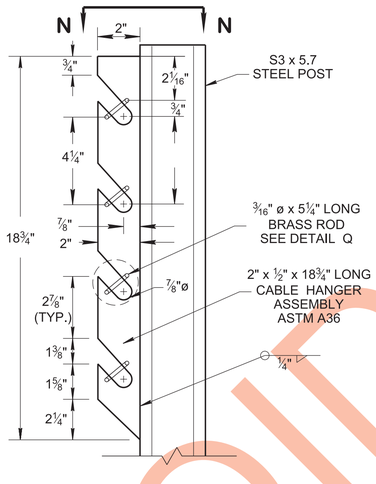
TOP VIEW N-N



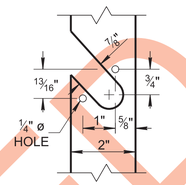
SECTION VIEW P-P



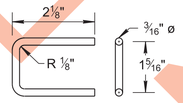
CONCRETE ANCHOR # 2 FOUNDATION



DETAIL N
FOR CABLE HANGER ASSEMBLY

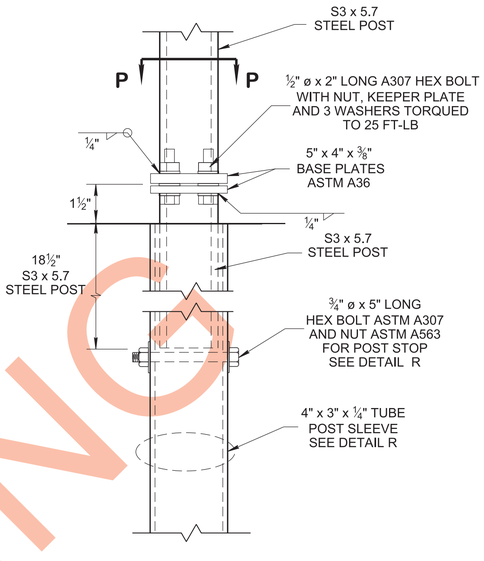


HANGER DETAIL



3/16" ø x 5 1/4" LONG BRASS ROD OR APPROVED EQUAL

DETAIL Q
FOR HANGER AND LONG BRASS ROD



DETAIL P
SLIP BASE DETAIL

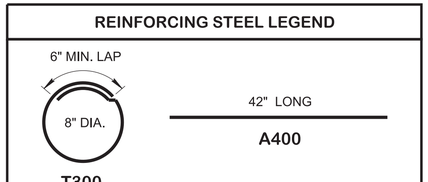
QUANTITIES
(PER EACH POST)

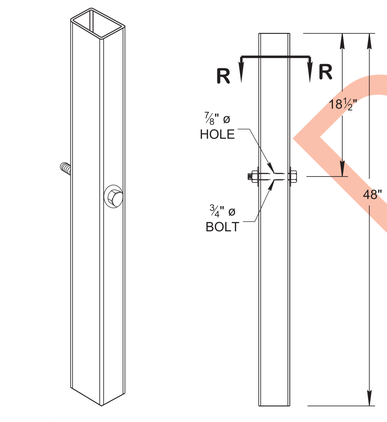
FOOTING LOCATION	DIAMETER (FT.)	DEPTH (FT.)	CONCRETE (C. Y.)	REINFORCING STEEL (LB.)
ANCHOR # 2	1'-0"	3'-10"	0.112	16.29

BILL OF STEEL

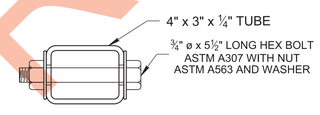
BAR TYPE	BAR SIZE	NUMBER REQUIRED	LENGTH	REINFORCING STEEL (LB.)
A300	3	4	3'-6"	5.26
T300	3	11	2'-8"	11.03

REINFORCING STEEL LEGEND

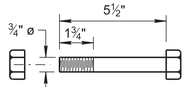




DETAIL R
FOR 4" x 3" x 1/4" TUBE POST SLEEVE



SECTION VIEW R-R



¾" ø HEX BOLT AND NUT

GENERAL NOTES

(A) CABLE BARRIER ANCHOR CONCRETE FOUNDATION SHALL BE CONSTRUCTED WITH CLASS 'A' CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI, AND MIXED IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.

(B) CONCRETE FOUNDATION REINFORCING STEEL: TO BE ASTM A615. PLACE ALL STEEL REINFORCEMENT 2" MINIMUM FROM OUTSIDE FACE OF WALL, EXCEPT AS OTHERWISE SHOWN. ALL REINFORCING STEEL BARS ARE TO BE EPOXY COATED MEETING ALL REQUIREMENTS OF ASTM D3963.

(C) SECOND POSTS SHALL BE S3x5.7 CONFORM TO ASTM A992 GRADE 50, AND GALVANIZED. ALL TUBES SHALL CONFORM TO ASTM A500 GRADE B AND BE GALVANIZED. ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED.

(D) ALL WELDING SHALL BE PERFORMED BY A WELDER QUALIFIED IN ACCORDANCE WITH THE AASHTO/AWS D1.5M/D1.5 BRIDGE WELDING CODE (LATEST EDITION).

(E) REFER TO STANDARD DRAWINGS S-CB-2, S-CB-3, S-CB-3A AND S-CB-5 FOR CABLE BARRIER DETAILS.

(F) THE DETAILS SHOWN ON THIS DRAWING ARE BASED ON RESULTS OF FULL SCALE CRASH TESTS TO MASH TEST 3-11. REFER TO ENGINEER SHOP DRAWINGS FOR DETAILS NOT SHOWN ON THIS DRAWING.

(G) NON-PROPRIETARY HIGH TENSION CABLE MEDIAN BARRIER HAS BEEN EVALUATED BY THE MIDWEST ROADSIDE SAFETY FACILITY AND MEETS MASH TL-3 STANDARDS, AND THE EVALUATION HAS BEEN DOCUMENTED IN THE MIDWEST ROADSIDE MIDWEST STATES POOLED FUND RESEARCH REPORT NO. TRP-03-327-16.

(H) THE FOUNDATION DESIGN IS BASED ON UNCLASSIFIED IN SITU SOIL ASSUMED TO BE COMPACTED. IF SOIL DOES NOT MEET COMPACTION, THE INSTALLER SHALL SUBMIT AN ALTERNATIVE FOUNDATION DESIGN FOR APPROVAL, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TN. ALL ALTERNATIVE DESIGNS SUBMITTED SHALL SHOW THE FOUNDATION DIMENSIONS AND STEEL REINFORCEMENT.

(I) PAYMENT:

FURNISHING AND INSTALLING CONCRETE ANCHOR FOUNDATIONS, POSTS, POST ASSEMBLIES, SQUARE TUBE, HARDWARE INCLUDING THREADED ROADS, NUTS AND BOLTS, WASHERS AND ALL PLATES SHALL BE PAID UNDER ITEM 705-06.41 CABLE BARRIER ANCHOR (MASH TL-3) EACH.

NOT TO SCALE

STATE OF TENNESSEE
STANDARD DRAWING
DEPARTMENT OF TRANSPORTATION

CABLE BARRIER ANCHOR POST # 2 DETAILS

06-03-2021 | S-CB-4