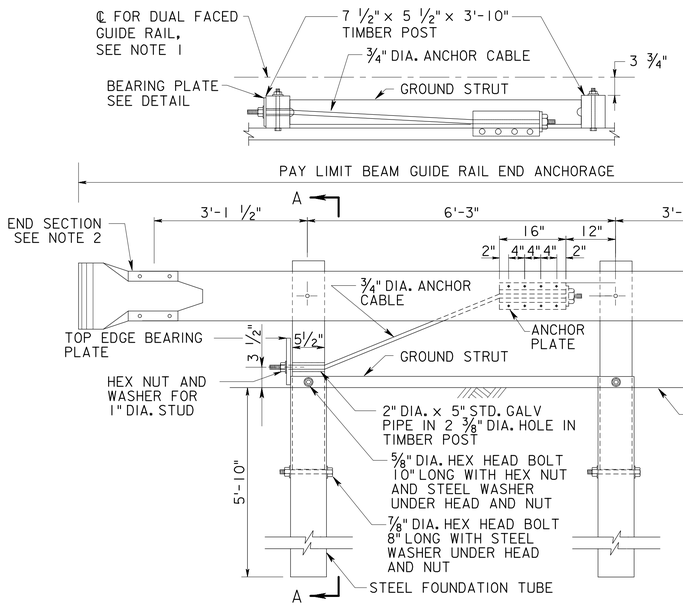
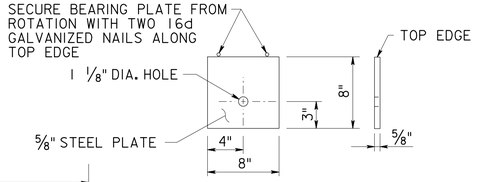
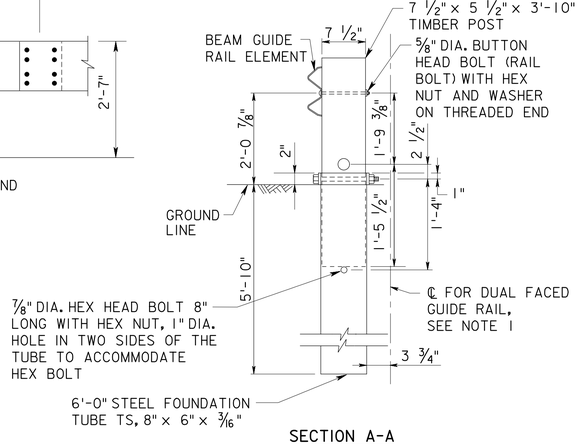


ELEVATION

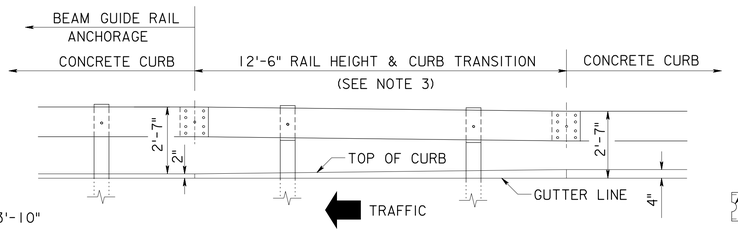
BEAM GUIDE RAIL END ANCHORAGE



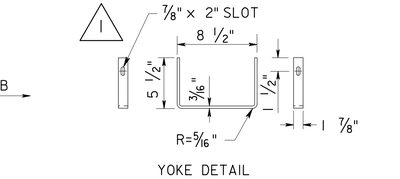
BEARING PLATE



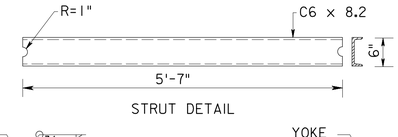
SECTION A-A



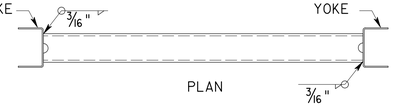
RAIL HEIGHT TRANSITION FOR GUIDE RAIL ANCHORAGE WITH 2" CONCRETE CURB



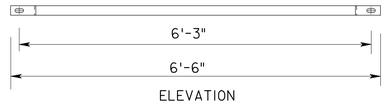
YOKE DETAIL



STRUT DETAIL

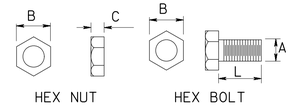


PLAN



ELEVATION

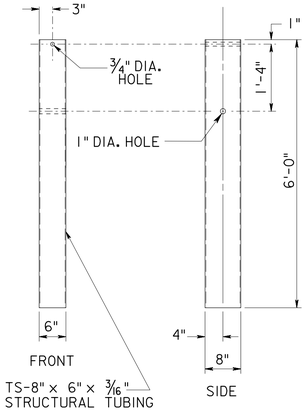
GROUND STRUT



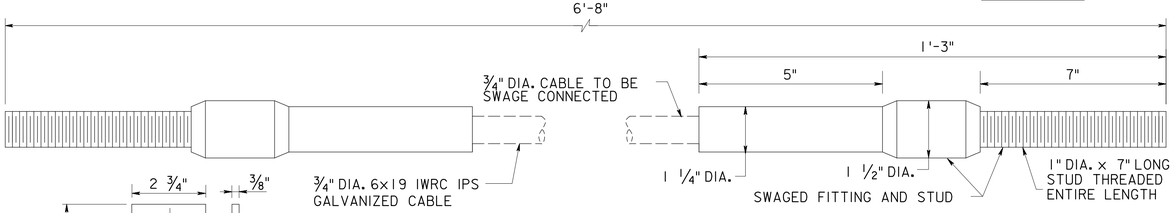
HEX NUT HEX BOLT

HEX NUT AND BOLT

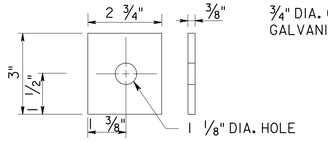
BOLT SIZE	THREAD PITCH	A	B	C	L
⅝"	⅝-11	⅝"	15/16"	35/64"	1 ½", 10"
⅞"	⅞-9	⅞"	1 5/16"	¾"	8"



STEEL FOUNDATION TUBE



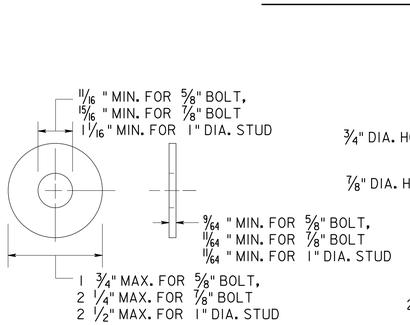
CABLE ASSEMBLY



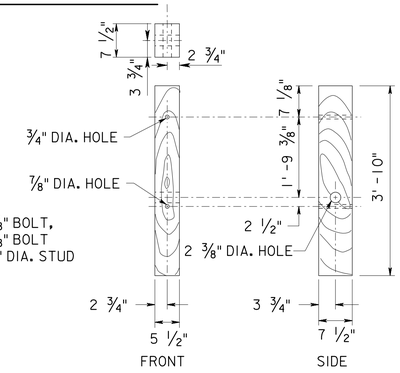
ANCHOR BRACKET BEARING PLATE

NOTE:

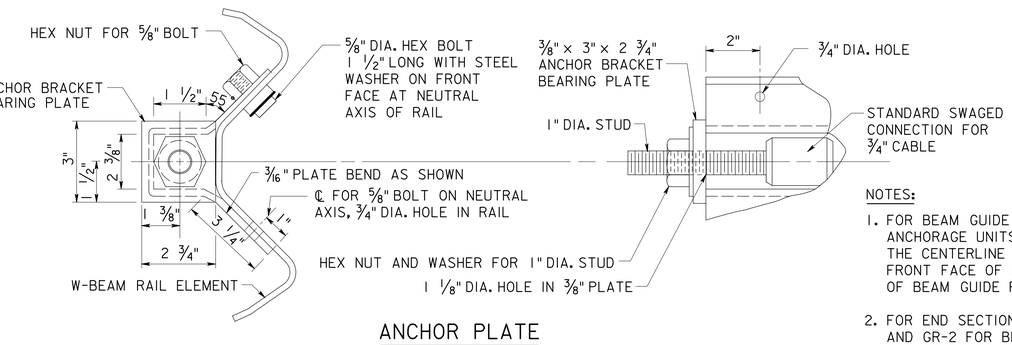
OTHER ANCHOR CABLE ASSEMBLIES MAY BE USED. MINIMUM BREAKING STRENGTH OF ASSEMBLY TO BE 42,700 LBS.



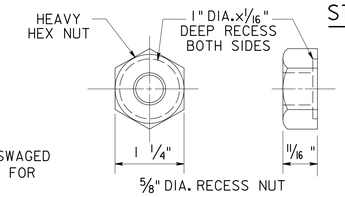
STEEL WASHER



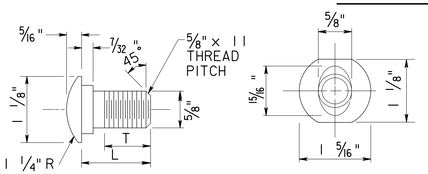
TIMBER POST 1



ANCHOR PLATE



RAIL NUT & BOLT



⅝" DIA. BUTTON HEAD BOLT

TYPE	L	MIN. THREAD LENGTH (T)
RAIL	10"	4"
SPLICE	1 ¼"	FULL LENGTH THREAD

NOTES:

1. FOR BEAM GUIDE RAIL, DUAL FACED, INSTALL SEPARATE ANCHORAGE UNITS FOR EACH FACE OF RAIL, MIRRORED ABOUT THE CENTERLINE OF THE DUAL FACED GUIDE RAIL POSTS. ALIGN FRONT FACE OF ANCHORAGE RAIL ELEMENTS WITH RAIL ELEMENTS OF BEAM GUIDE RAIL, DUAL FACE.
2. FOR END SECTION DETAILS, SEE GR-1 FOR BEAM GUIDE RAIL AND GR-2 FOR BEAM GUIDE RAIL, DUAL FACED.
3. LIP CURB SHALL NOT BE PRESENT WITHIN THE LIMITS OF THE GUIDE RAIL ANCHORAGE.
4. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.

1

REV.	DESCRIPTION	DATE
1	REVISED YOKE SLOT DIMENSION, ADDED NOTE AND REVISED CALLOUTS	07/26
0	ORIGINAL DRAWING	07/21

MASH TL-3

0 1/2 1 2 3 4

ORIGINAL SIZE IN INCHES

NEW JERSEY TURNPIKE AUTHORITY

NEW JERSEY TURNPIKE
GARDEN STATE PARKWAY

STANDARD DRAWINGS

BEAM GUIDE RAIL END ANCHORAGE

OFFICE OF THE CHIEF ENGINEER
NEW JERSEY TURNPIKE AUTHORITY
WOODBRIDGE, NEW JERSEY

STANDARD DRAWING
GR-4

CONTRACT NO.

SHEET NO. OF