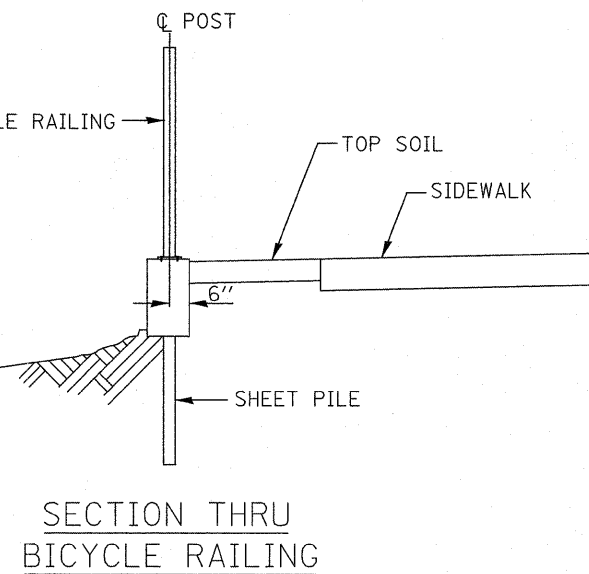
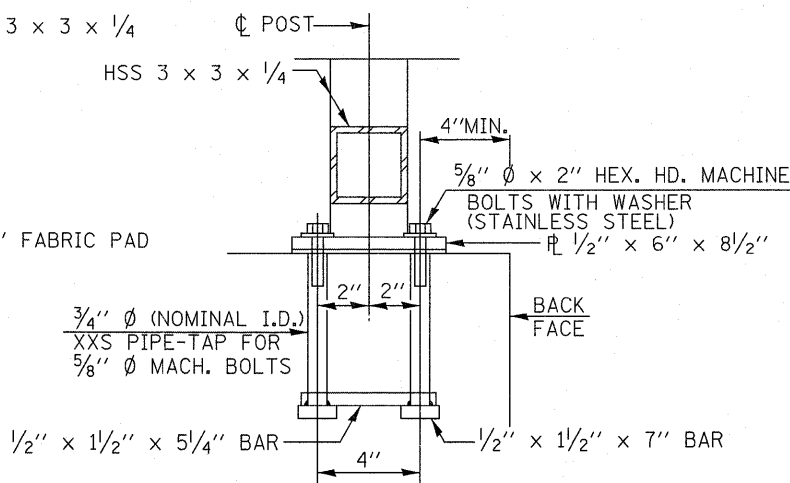
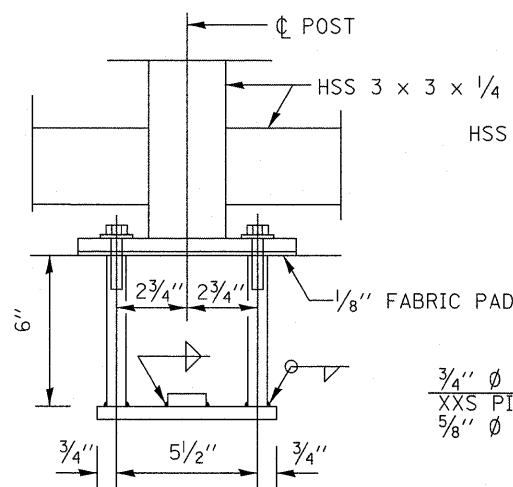
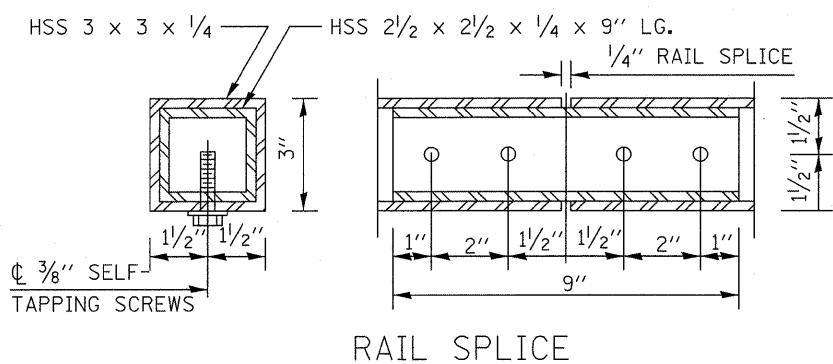
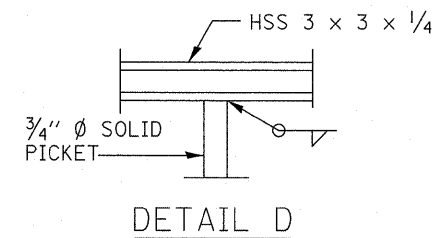
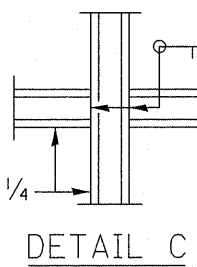
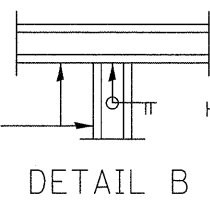
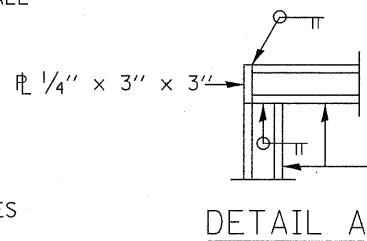
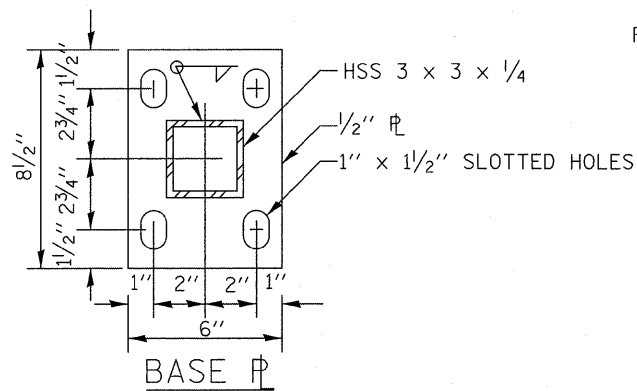


**ANCHOR BOLT DETAILS**

IN LIEU OF THE CAST-IN-PLACE ANCHOR DEVICE SHOWN, THE CONTRACTOR HAS THE OPTION OF DRILLING AND SETTING 5/8" Ø ANCHOR RODS ACCORDING TO ARTICLE 509.06 OF THE STANDARD SPECIFICATIONS. EMBEDMENT SHALL BE ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.



**NOTES:**

1. RAILING SHALL BE ACCORDING TO SECTION 509 OF THE STANDARD SPECIFICATIONS, EXCEPT AS NOTED, AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR BICYCLE RAILING (SPECIAL).
2. HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION A 500, GRADE B, STRUCTURAL STEEL TUBING.
3. ALL OTHER STEEL SHAPES AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 270 GRADE 36.
4. IF THE OPTION OF DRILLING AND EPOXY GROUTING THE ANCHOR RODS IS CHOSEN, THE CONTRACTOR SHALL USE THE CAPSULE OR THE ADHESIVE CARTRIDGE TYPE ANCHOR RODS THAT HAVE BEEN PREVIOUSLY TESTED AND GIVEN A PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL INSTALL THESE ANCHOR RODS IN PRE-DRILLED HOLES ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES. THE CAPSULE OR THE ADHESIVE CARTRIDGE SHALL BE SEALED WITH PRE-MEASURED AMOUNTS OF THE ADHESIVE CHEMICAL.
5. SPACE REINFORCEMENT TO MISS ANCHOR RODS.
6. ALL POST, RAILING, SPLICES, ANCHOR DEVICES, AND BENT PLATES SHALL BE GALVANIZED AFTER SHOP FABRICATION ACCORDING TO AASHTO M 111 AND ASTM A 385. ALL BOLTS, NUTS, WASHERS, AND ANCHOR RODS SHALL BE GALVANIZED ACCORDING TO AASHTO M 232 EXCEPT STAINLESS STEEL BOLTS AS NOTED. VENT HOLES FOR GALVANIZING SHALL BE PLACED IN THE POSTS AND RAILS AT LOCATIONS THAT WILL NOT ALLOW THE ACCUMULATION OF MOISTURE IN THE MEMBERS.

**BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
BICYCLE RAILING SPECIAL	FOOT	140

FILE NAME =	USER NAME = msdjja	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL RTE (IRVING PARK RD.) AT BARRINGTON RD. BICYCLE RAILING SPECIAL</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\p\work\p\sidot\msdjja\d0101671\IL19-re	well.dgn	DRAWN -	REVISED -			1321	2010-048-N	COOK	53	35C	
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 60L23					
PLOT DATE = 6/14/2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					