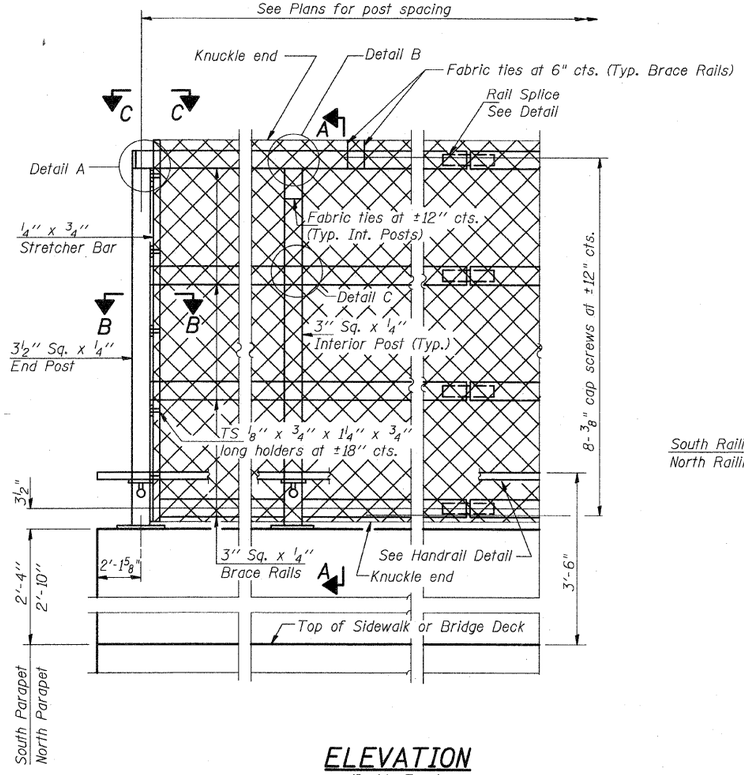
Contract #76267

F.A.P. RTE.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
592	121-1R, 121HVB	ST. CLAIR	239	145
F.H.W.A. REGION 7	ILLINOIS	FED. AID PROJECT		

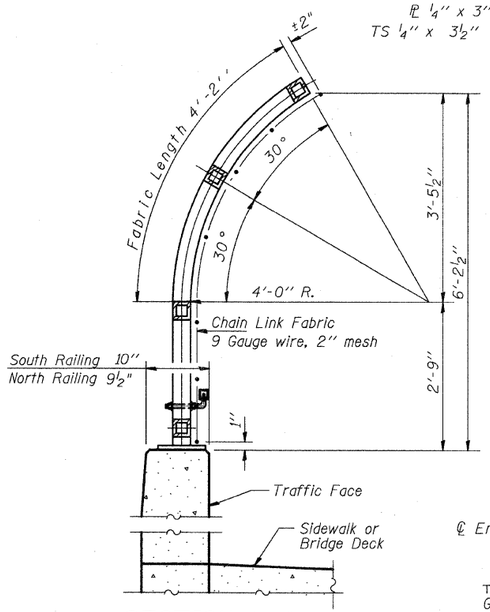
SHEET NO.: 9
SHEETS: 23

BLOCK NAME
NORTH8 PARELEV SCTATPAR FLDMDTL

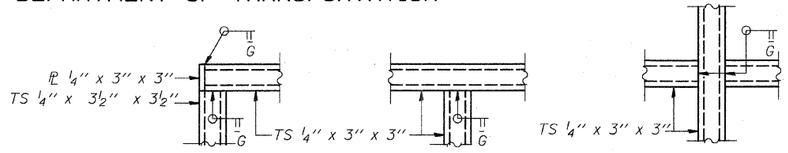
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



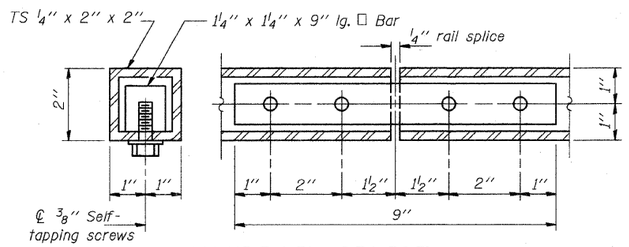
ELEVATION
(Inside Face)



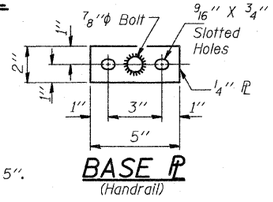
SECTION A-A
(South Parapet shown North Parapet similar)



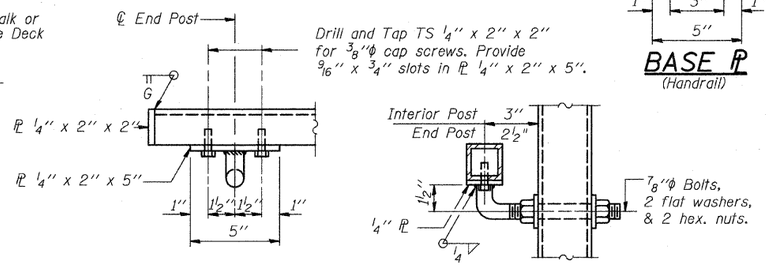
DETAIL A — DETAIL B — DETAIL C



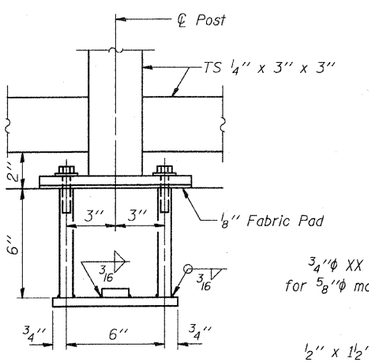
HANDRAIL SPLICE



BASE ℙ
(Handrail)

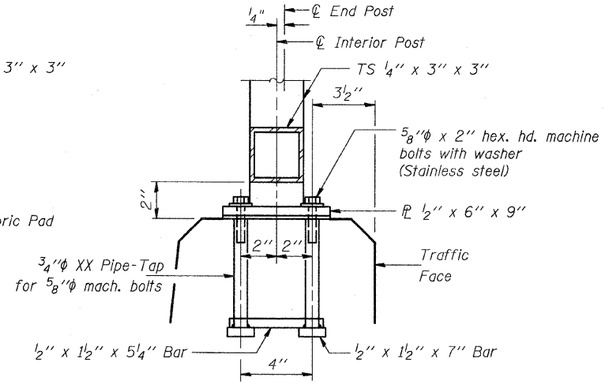


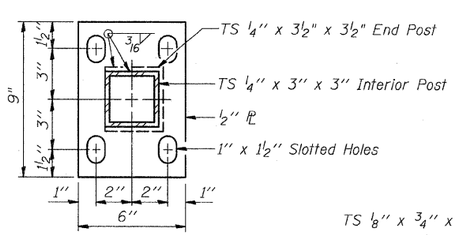
HANDRAIL DETAIL



ANCHOR BOLT DETAILS

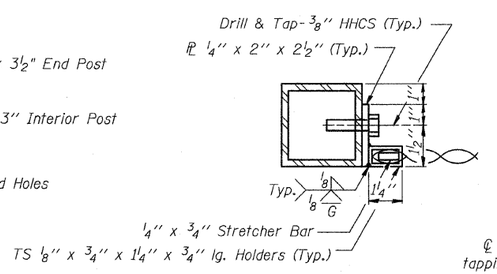
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting 5/8" ϕ anchor rods. Embedment shall be according to the manufacturer's specifications.



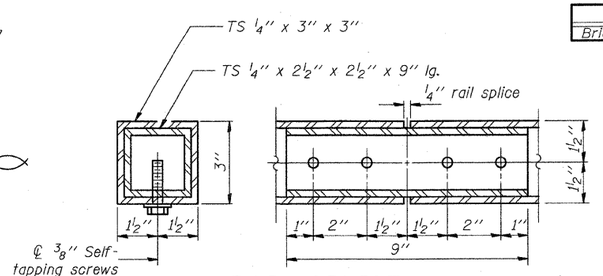


(10'-0" Maximum Post Spacing)

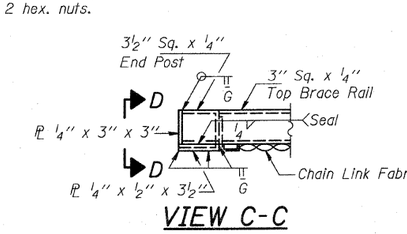
BASE ℙ



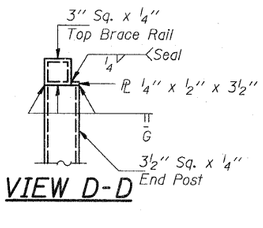
SECTION B-B



RAIL SPLICE



VIEW C-C



VIEW D-D

BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing	Foot	324

NOTES

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 Bridge Fence Railing.

The 9 gauge fabric ties shall be according to Article 1006.27(d) of the Standard Specifications.

Installation of the chain link fabric shall be according to Section 664 of the Standard Specifications.

Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.

The chain link fabric shall be placed along the Traffic Side as shown on Section A-A.

Stretcher bars shall be used at each end of fabric.

A minimum of one complete turn is required at ends of all fabric ties.

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 Department. 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 premeasured amounts of the adhesive chemical.

Space reinforcement to miss achor rods.

All posts, railing, splices, anchor devices, and 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.

The chain link fabric shall conform to the requirements of Article 1006.27(a)(1)a, b or c of the Standard Specifications.

BRIDGE FENCE RAILING
F.A.P. 592 (IL Rte. 157) OVER UNION PACIFIC RAILROAD
SECTION 121-1R, 121HVB
ST. CLAIR COUNTY
STATION 5029+64.85
STRUCTURE NO. 082-0303

PLOT DATE = 1/30/2008
FILE NAME = H:\PX\2105\Microstat\Struct\082RAILINGSHT.dgn
PLOT SCALE = 1.500000 IN / IN.
USER NAME = @USER@