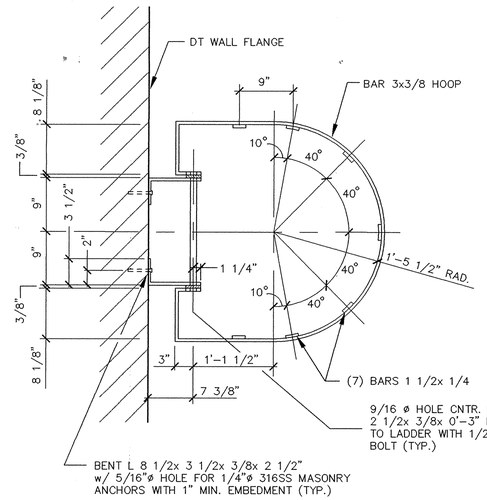
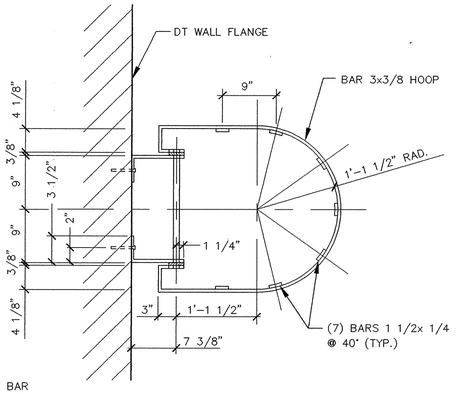
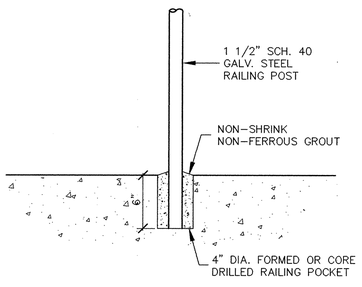


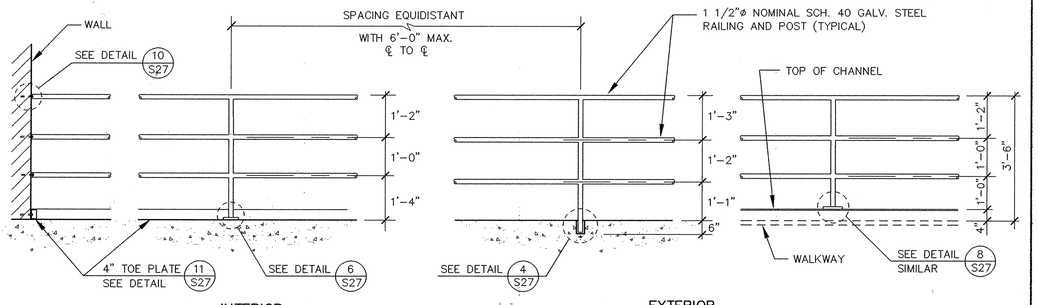
LADDER SECTION 1 / S27
Scale: 1" = 1'-0"



LADDER SECTION 2 / S27
Scale: 1" = 1'-0"

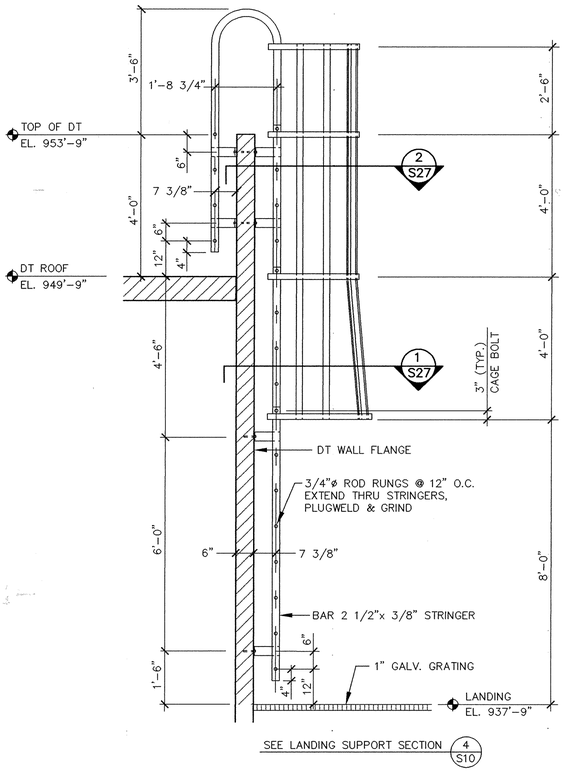


EXT. POST ANCHORAGE DETAIL 4 / S27
Scale: 1 1/2" = 1'-0"

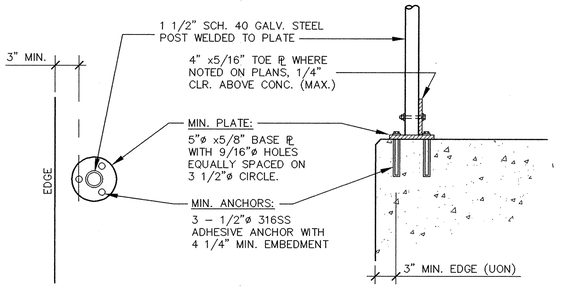


TYPICAL RAILING DETAILS 5 / S27
Scale: 1/2" = 1'-0"

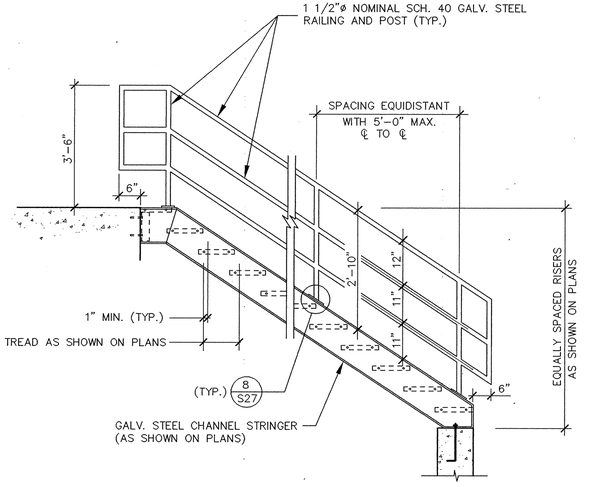
NOTE:
ALL LADDER MEMBERS SHALL BE HOT-DIP GALVANIZED PER ASTM A123 FOLLOWING FABRICATION. ALL FIELD CUTS & WELDS SHALL BE BRUSHED TO BARE METAL AND COLD GALVANIZED.



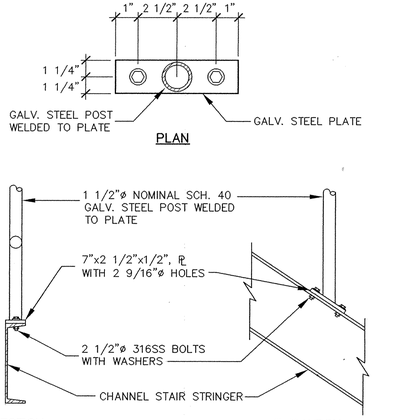
TRICKING FILTER ROOF ACCESS LADDER 3 / S27
Scale: 1/2" = 1'-0"



INT. POST ANCHORAGE DETAIL 6 / S27
Scale: 1 1/2" = 1'-0"



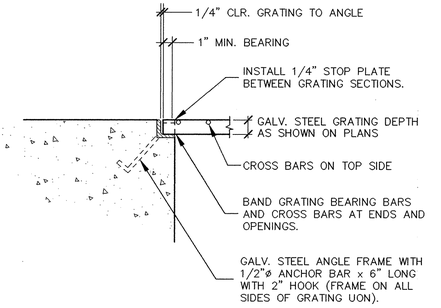
TYPICAL STAIRWAY SYSTEM 7 / S27
Scale: 1/2" = 1'-0"



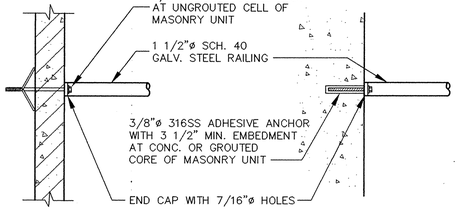
STAIR STRINGER POST ANCHORAGE DETAIL 8 / S27
No Scale

FRAME TABLE	
GRATING DEPTH	ANGLE SIZE
1"	1 1/2" x 1 1/4" x1/4"
1 1/4"	1 1/2" x 1 1/2" x1/4"
1 1/2"	1 3/4" x 1 3/4" x1/4"
1 3/4"	2" x 2" x 1/4"
2"	2 1/4" x 2 1/4" x1/4"
2 1/4"	2 1/2" x 2 1/2" x1/4"
2 1/2"	2 3/4" x 2 3/4" x1/4"

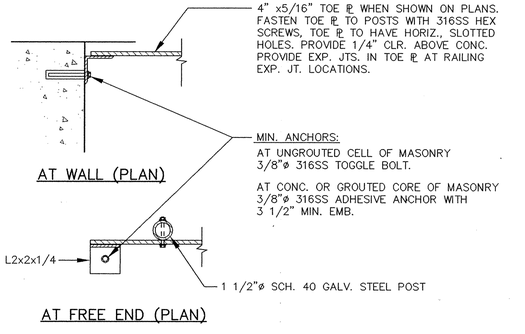
NOTE:
PROVIDE 316SS BOLTS & CLIPS FOR FASTENING GRATING TO FRAME UON.



GRATING AND FRAME 9 / S27
Scale: 1 1/2" = 1'-0"



WALL MOUNTED HANDRAIL 10 / S27
Scale: 1 1/2" = 1'-0"



TOE PLATE DETAIL 11 / S27
Scale: 1 1/2" = 1'-0"

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DATE 11/8/95 REG.NO. 22222

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(612) 644-4389
9800 SHELARD PARKWAY
MINNEAPOLIS, MINNESOTA 55441
(612) 546-0432

REVISIONS	DATE	DESCRIPTION

DESIGNED DLC GG
CHECKED LJL
DRAWN TB GG
GRAPHIC SCALE
0 HORIZ. 2
0 VERT. 2

CITY OF ELK RIVER
WASTEWATER TREATMENT FACILITY UPGRADE
STAIR & WALKWAY GRATING & RAILING
TYPICAL DETAILS

S27

DATE OCT. 1995 SHEET 47 OF 112 SHEETS PROJECT NO. 230-151

ER151-52

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