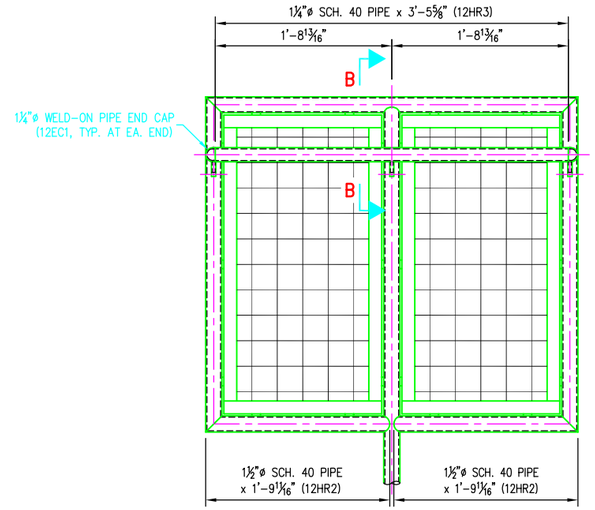
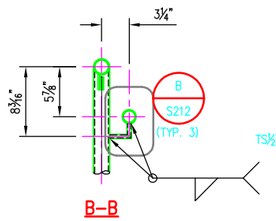
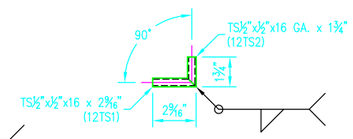


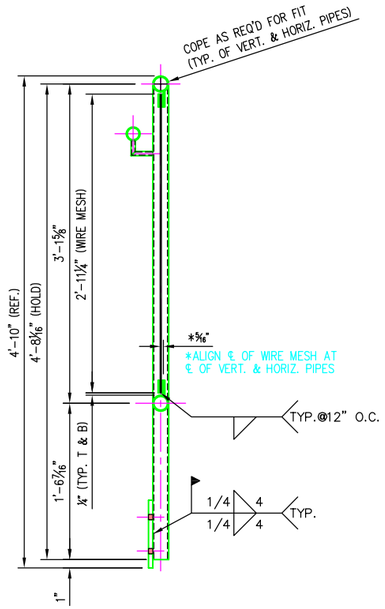
ELEVATION
INSIDE FACE



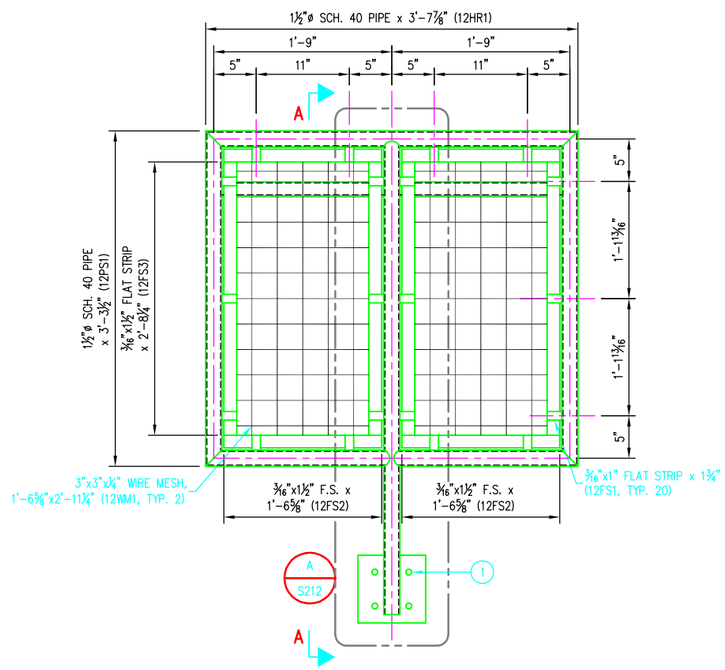
B–B



DETAIL B
RAILING BRACKET



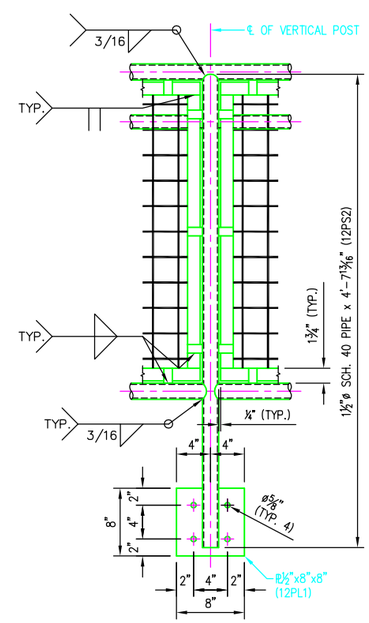
A–A



ELEVATION
OUTSIDE FACE

12RTE1

(6) RAILING TYPE E1
RE: SHT. A5.02, ELEV. 1 & 2;
RE: SHT. A3.41, DETAIL 5



DETAIL A
ANCHOR POST
RE: SHT. S3.13, DETAIL 11
RE: SHT. S3.30, DETAIL 6 & 9
RE: SHT. A3.41, DETAIL 5

BILL OF MATERIAL

MARK	QTY	DESCRIPTION	FT	IN	REMARKS
12RTE1	6	RAILING TYPE E1			
12HR1	6	1½"ø SCH. 40 PIPE	3	8⅛	
12HR2	12	1½"ø SCH. 40 PIPE	1	9 15/16	
12HR3	6	1¼"ø SCH. 40 PIPE	3	5⅞	
12PS1	12	1½"ø SCH. 40 PIPE	3	3¾	
12PS2	6	1½"ø SCH. 40 PIPE	4	8 3/16	
12FS1	120	3/16"x1" FLAT STRIP	0	1 13/16	
12FS2	48	3/16"x1½" FLAT STRIP	1	6⅞	
12FS3	48	3/16"x1½" FLAT STRIP	2	8½	
12PL1	6	PL½"x8"	0	8	
12WM1	12	3"x3"x¼" WIRE MESH, 1'-6⅝" x 2'-11¼"			3"x3" WIRE ℄ TO ℄
12EC1	12	1¼"ø WELD-ON PIPE END CAP			
12TS1	18	TS½"x½"x16 GA.	0	2 11/16	
12TS2	18	TS½"x½"x16 GA.	0	1⅞	
1	24	½"øx3¾" LG. EXPANSION ANCHOR (SSTL); HILTI KB-TZ OR EQUAL			

FABRICATION NOTES

1. REMOVE ALL BURRS FROM EXPOSED CUT EDGES.
2. EASE EXPOSED EDGES TO AN APPROXIMATE 1/32" RADIUS.

MATERIAL, COATING & FABRICATION SPECIFICATIONS

MATERIALS & FABRICATION	COATINGS
ALL TUBE SECTIONS: A500 GR. B	SURFACES EMBEDDED IN CONCRETE SHALL NOT BE GALVANIZED.
ALL PIPES: A53, GR. B, SCH. 40	
PLATES: A36	RAILINGS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123.
WF, WT: A992	
OTHER SHAPES: A36	
HEADED ANCHOR STUDS: A108	
DEFORMED ANCHOR STUDS: A496	
ALL WELDING: AWS D1.1, E70 ELECTRODES	
SURFACE PREP: SSPC-SP10	

REV.	REVISION DESCRIPTION:	DATE:

ANDY'S BEST CAD
9715 S. MERIMBULA ST.
LITTLETON, CO 80130
303-791-1622
WWW.ANDYSBESTCAD.COM

DRAWN: A.LANDT
DESIGNED: A.LANDT
CLIENT:
DATE: 05/04/09
SCALE: 1 1/2"=1'-0"

PROJECT:
UNIVERSITY
ATHLETIC STADIUM
STRUCTURAL STEEL
HANDRAILS AND RAILINGS

DRAWING TITLE:
RAILING TYPE E1

DRAWING NO.:
S212
OF

© 2009 ANDY'S BEST CAD. ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF ANDY'S BEST CAD AND IS PROTECTED BY COPYRIGHT LAWS OF THE UNITED STATES OF AMERICA. ANY UNAUTHORIZED USE OF THE INFORMATION CONTAINED HEREIN OR PART THEREOF, REPRODUCTION OR PART THEREOF IS STRICTLY PROHIBITED. RECEIPT OR POSSESSION THEREOF DOES NOT CONFER OR TRANSFER ANY RIGHT TO MAKE, COPY, MANUFACTURE AND/OR SELL EITHER THE DRAWING OR THE ITEMS SHOWN THEREIN.