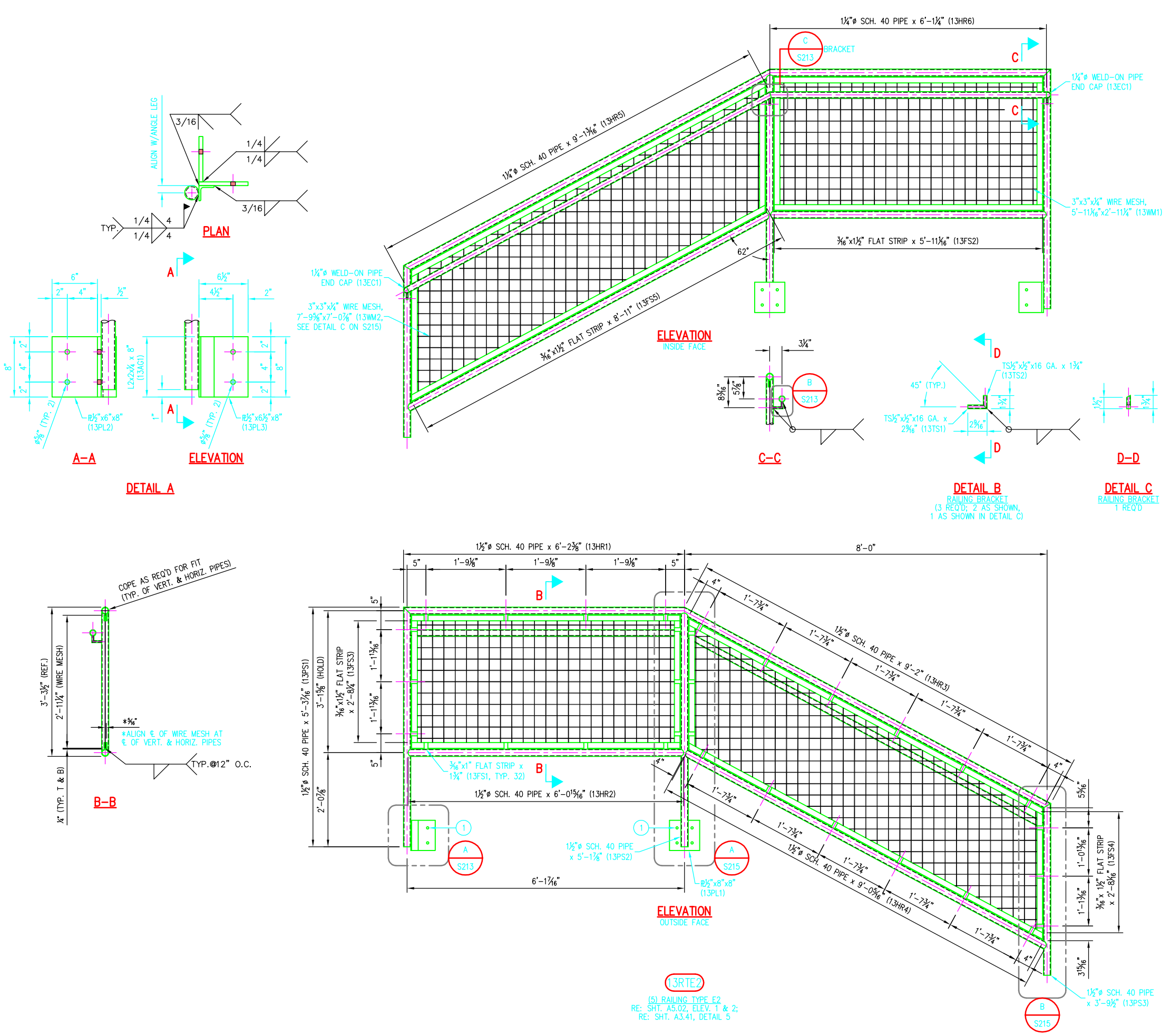


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BILL OF MATERIAL					
MARK	QTY	DESCRIPTION	FT	IN	REMARKS
13RTE2	5	RAILING TYPE E2			
13HR1	5	1 1/2" SCH. 40 PIPE	6	2 3/4"	
13HR2	5	1 1/2" SCH. 40 PIPE	6	1 3/8"	
13HR3	5	1 1/2" SCH. 40 PIPE	9	2 1/4"	
13HR4	5	1 1/2" SCH. 40 PIPE	9	0 9/16"	
13HR5	5	1 1/2" SCH. 40 PIPE	9	1 1/8"	
13HR6	5	1 1/2" SCH. 40 PIPE	6	1 1/2"	
13PS1	5	1 1/2" SCH. 40 PIPE	5	3 3/8"	
13PS2	5	1 1/2" SCH. 40 PIPE	5	2 1/8"	
13PS3	5	1 1/2" SCH. 40 PIPE	3	9 3/4"	
13FS1	160	3/16" x 1 1/2" FLAT STRIP	0	11 3/8"	
13FS2	20	3/16" x 1 1/2" FLAT STRIP	5	11 3/8"	
13FS3	20	3/16" x 1 1/2" FLAT STRIP	2	8 1/2"	
13FS4	20	3/16" x 1 1/2" FLAT STRIP	2	8 3/8"	
13FS5	20	3/16" x 1 1/2" FLAT STRIP	8	11 1/4"	
13PL1	5	#2 1/2" x 8"	0	8"	
13PL2	5	#2 1/2" x 6"	0	8"	
13PL3	5	#2 1/2" x 6 1/2"	0	8"	
13TS1	15	TS 1/2" x 1/2" x 16 GA.	0	2 1/8"	
13TS2	15	TS 1/2" x 1/2" x 16 GA.	0	1 1/8"	
13AG1	5	L2x2x1/4 ANGLE	0	8 3/8"	
13EC1	10	1 1/4" WELD-ON PIPE END CAP			
13WM1	5	3"x3"x1/4" WIRE MESH, 5'-11 1/8" x 2'-11 1/4"			3"x3" WIRE € TO €
13WM2	5	3"x3"x1/4" WIRE MESH, 7'-9 3/8" x 7'-0 7/8"			3"x3" WIRE € TO €
1	40	1/2" x 3 3/4" LG. EXPANSION ANCHOR (SSTL); HILTI KB-TZ OR EQUAL			

DRAWN: A.LANDT
 DESIGNED: A.LANDT
 CLIENT: UNIVERSITY ATHLETIC STADIUM
 DATE: 05/04/09
 SCALE: 1" = 1'-0"
 PROJECT: UNIVERSITY ATHLETIC STADIUM STRUCTURAL STEEL HANDRAILS AND RAILINGS

- FABRICATION NOTES**
- REMOVE ALL BURRS FROM EXPOSED CUT EDGES.
 - 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	RAILINGS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123.
PLATES: A36	
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	

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DRAWING TITLE: RAILING TYPE E2
 DRAWING NO.: S213
 OF: 0