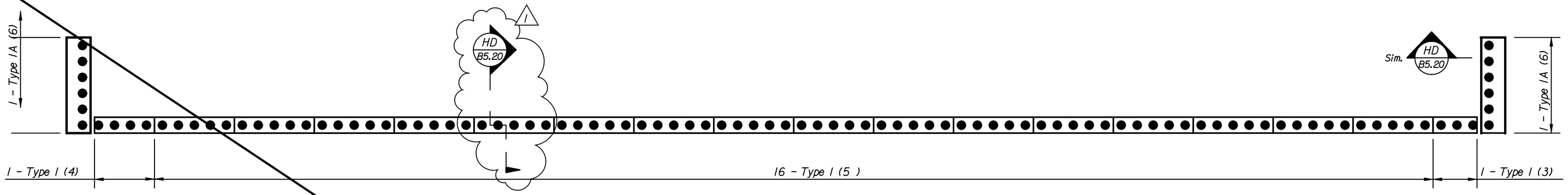
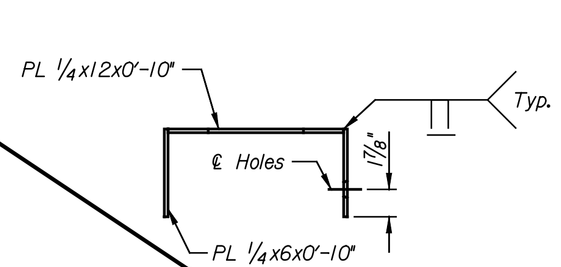
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	B5.20	

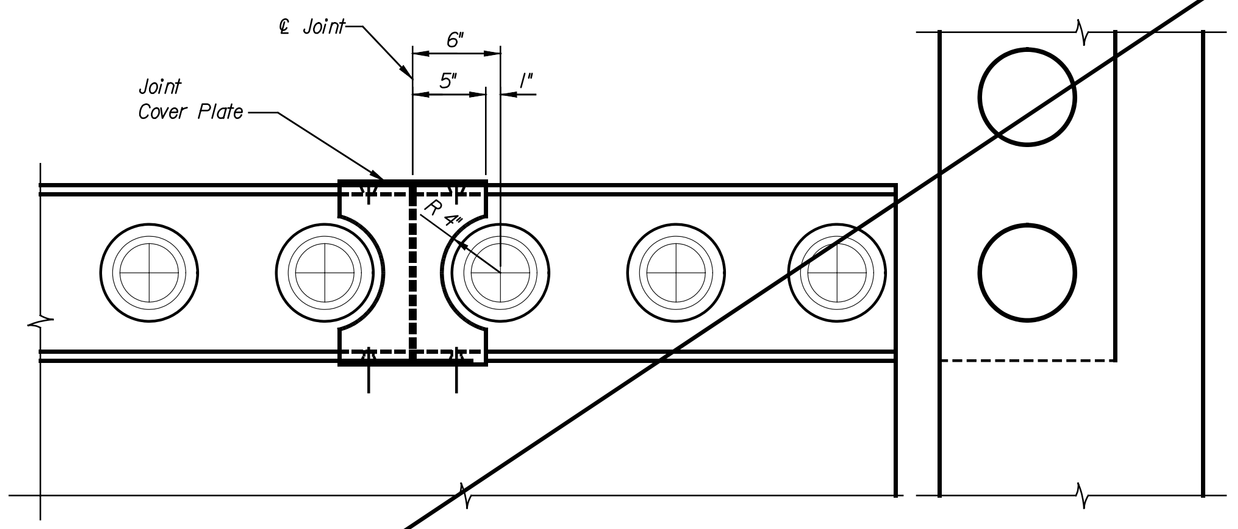


HANDRAIL LAYOUT
Scale: 1/4" = 1'-0"

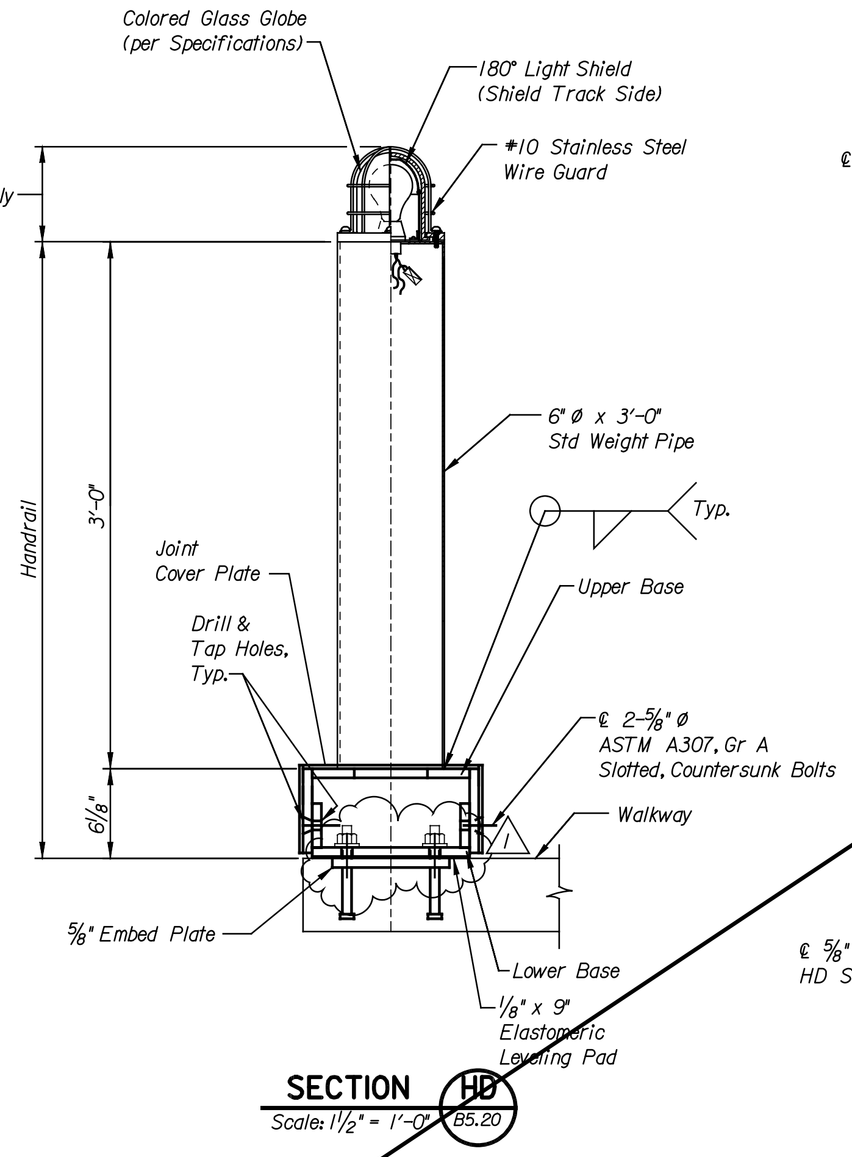
Notes:
West Handrail Shown.
East Handrail Similar.



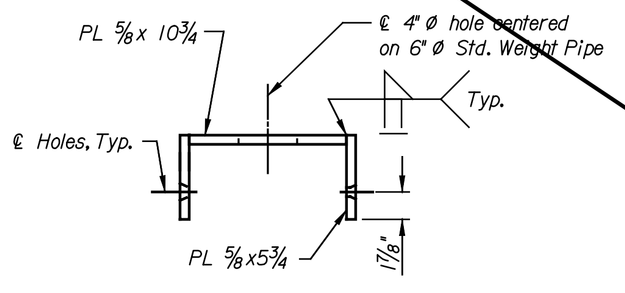
JOINT COVER PLATE
Scale: 1 1/2" = 1'-0"



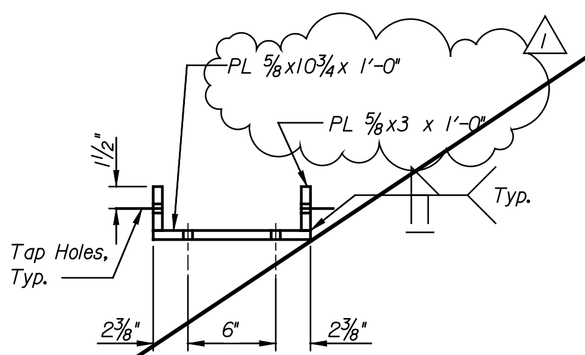
PLAN
Scale: 1 1/2" = 1'-0"



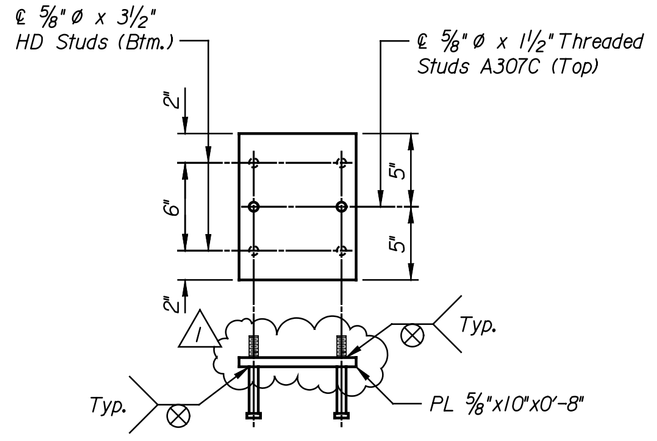
SECTION HD B5.20
Scale: 1 1/2" = 1'-0"



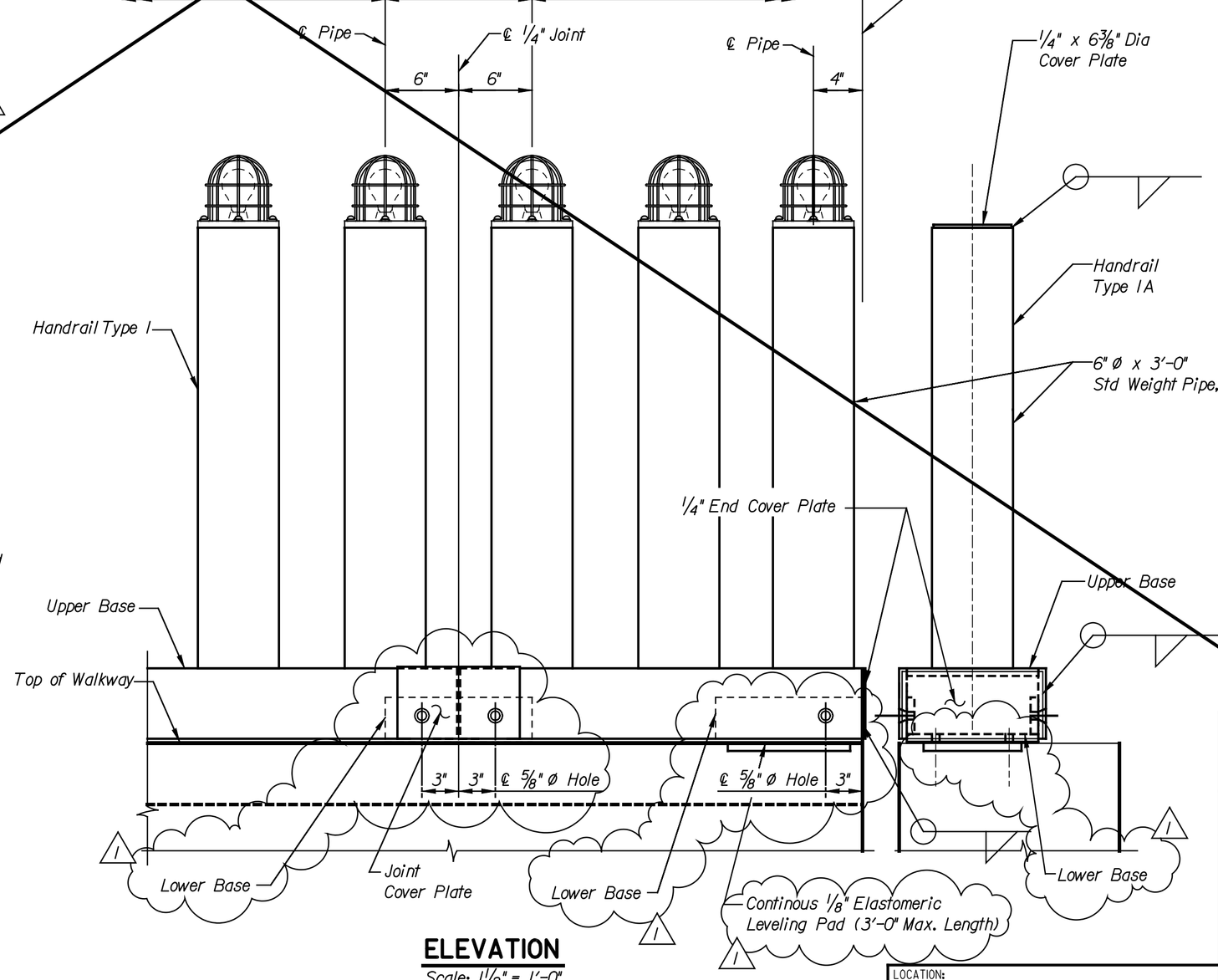
UPPER BASE
Scale: 1 1/2" = 1'-0"



LOWER BASE
Scale: 1 1/2" = 1'-0"



EMBED PLATE DETAIL
Scale: 1 1/2" = 1'-0"



ELEVATION
Scale: 1 1/2" = 1'-0"

NOTES:

All structural steel conform to ASTM A709, Grade 36 or better.

All pipe shall conform to ASTM A53, Gr. B.

Each fastener shall be composed of a Heavy Hex Structural Bolt, ASTM A325 Type 1; each with one circular Hardened Washer, ASTM F436 Type 1; and one Heavy Hex Nut, ASTM A563 Grade C, unless noted otherwise.

All fasteners shall be 7/8" diameter, unless noted otherwise.

All fastener holes will be 1/16" larger than the nominal fastener diameter, unless tapped or noted otherwise.

All washers shall be located under the turned element.

Welding shall conform to the AREMA Manual for Railway Engineering and the Bridge Welding Code, AWS D1.5M/D1.5.

All weld metal shall be equivalent to the base metal in strength, corrosion resistance and painted appearance.

The steel surface preparation for paint shall be in accordance with SSPC-10, "Near-White Blast Clean" and the specifications.

Each panel shall be fully shop assembled to assure an accurate fit.

One prime coat of inorganic zinc silicate paint, with a minimum dry film thickness of 3.0 mils and a maximum dry film thickness of 5.0 mils, shall be applied in accordance with the specifications.

One top coat of water-borne acrylic or hi-build polyurethane paint, with a minimum dry film thickness of 3.0 mils and a maximum dry film thickness of 4.0 mils, shall be applied in accordance with the specifications.

The top coat of paint (semi-gloss white) shall be color-matched to the color of the steel girders.

Prior to painting, submit demonstration panels to the Engineer for approval of the color.

The steel surface preparation and the prime coat of paint shall be applied at the fabrication shop.

Components in contact shall receive one prime coat on each surface.

The top coat of paint shall be applied in the field after erection and assembly.

Each handrail shall be fully shop assembled to ensure proper fit.

Each handrail may be disassembled for shipping and final erection.

The Luminaire Head Assembly shall be in accordance with the specifications and Electrical Drawings.

Coordinate electrical/routing requirements prior to fabrication.

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1	9/04	MODIFY EMBEDS	JWH	

DATE
BY

This sheet designed by:

HNTB
ARCHITECTS ENGINEERS PLANNERS

CITY OF WICHITA

WICHITA CENTRAL CORRIDOR

2ND STREET
BRIDGE HANDRAIL (TYPE I/IA)

SHEET NO.	OF	SCALE AS NOTED	APP'D		
DESIGNED	FKD	DETAILED DJJ	QUANTITIES DJJ	TRACED	DJJ
DESIGN CK.	DMH	DETAIL CK. EDY	QUAN.CK. DMH	TRACE CK.	DMH

LOCATION:
BNSF BR. 212.0
LINE SEGMENT 7400
WICHITA, KS

Plotted on: 06-JAN-2005 15:03 $time$
scindrell Plot Queue: $queue$
Plot Scale: $scale$ Pen Table: $pentable$
Design Filename: k:\b290491\BridgesDec2004\Base Bid\02ndStreet\drawings\s2x.dgn