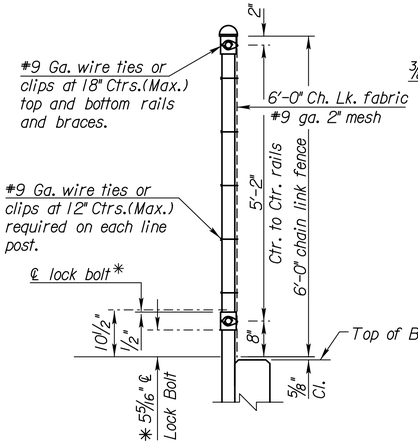
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	Proj. No.	YEAR	0	0

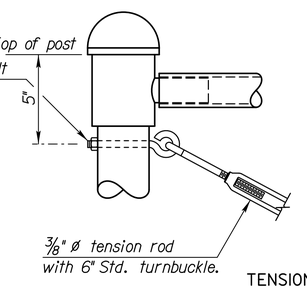
NOTE TO DESIGNER: Begin and End Sta. at Railroad Right of way or a minimum of 25' beyond ℄ of outermost track or access road, whichever is greater.

XX NOTE TO DESIGNER: Dimensions must be filled in by bridge design engineer. Designer choose either Special which is galvanized or Special Duplex/PVC coating and the color Black, Green or Dark Gre

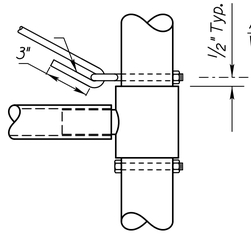
Std. Base File: br171.dgn | Plot Location: Bridge Design | Plotted By: rlong | File: br171.dgn | Plot Date: 10-JUN-2015 08:58



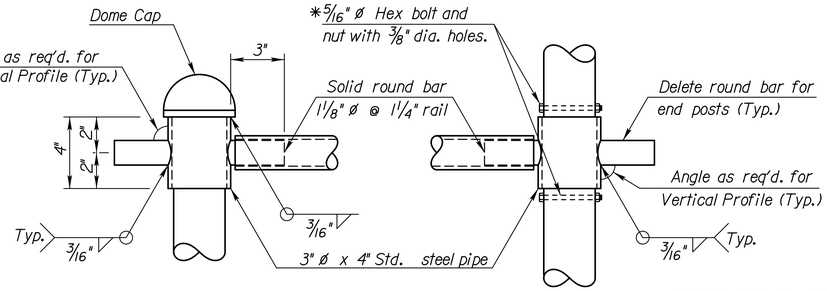
TYPICAL SECTION



TENSION ROD DETAIL



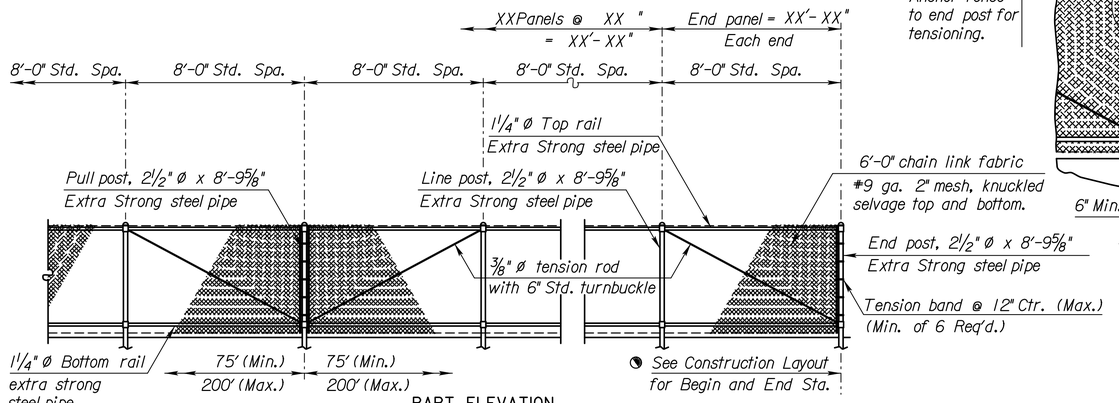
† Field bend hook on this end to fit. Shorten as required to achieve 3" tangent.



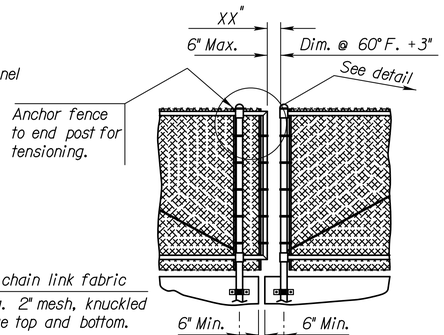
* Note: Lock bolt shall be 5/16" ø hex head bolt and nut. Bolt holes shall be 3/8" diameter. (Omit @ pull post & end post.)

POST - RAIL CONNECTION

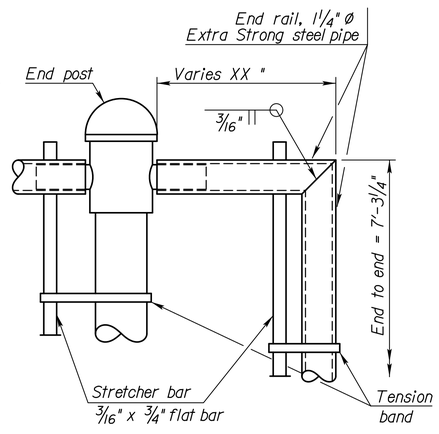
With the approval of the Engineer, End Panel spacing may be 6'-0"min. - 9'-6"max.



PULL POST SPACING PART ELEVATION

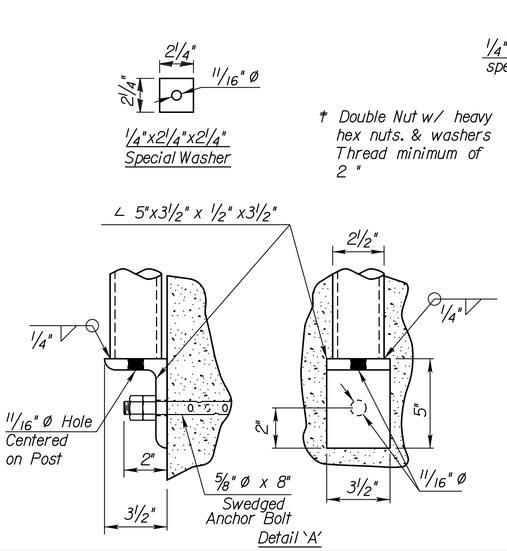


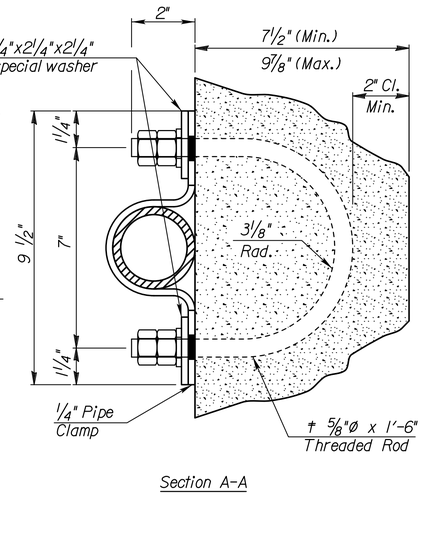
Part Elevation



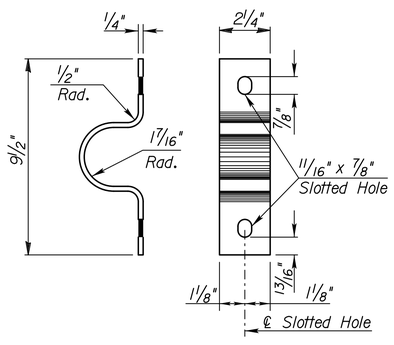
Post - End Rail Connection

EXPANSION JOINT DETAIL

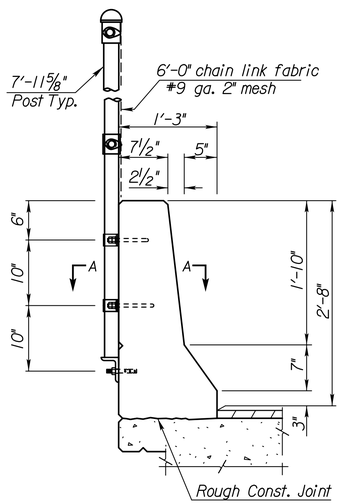




Section A-A



Pipe Clamp Details



FENCE ATTACHMENT DETAILS

GENERAL NOTES

FENCE (CHAIN LINK) (6') (SPECIAL): The chain link fence on the barrier shall be bid per lineal foot as per bid item, "Fence (Chain Link) (6') Special or Duplex/PVC". This item shall include the furnishing of all material, fabrication of all parts, and all of the equipment and labor required to erect the fence in accordance with these plans and specifications. All parts shall be galvanized or duplex coated after fabrication and all welds shall be free of slag holes prior to galvanization or duplex coating. Galvanization or Duplex coating shall conform to KDOT's Standard Specifications.

POST AND RAIL: The Contractor shall use extra strong pipe for the posts and for the top and bottom rail. The pipe shall conform to Section 1600 of the Standard Specifications for Road and Bridge Construction.

Diameters shown for tubular steel posts and rails are nominal. Weight tolerances shall be as shown in the Specifications.

CHAIN LINK FABRIC: All chain link fabric shall be zinc coated (galvanized) or PVC coated. The chain link fabric shall be double knuckled. Intermediate pull posts are required when the fence exceeds 200 ft. Spacing of pull posts shall be 75 ft. (min.) to 200 ft. (max.) from another pull post or end post.

BOLTS: Bolts, including Anchor bolt, lockbolts, eyebolts and turnbuckle, shall be coated in accordance with the weight of coating requirements of ASTM. A 153 and shall conform to ASTM A307 or A36.

STRUCTURAL STEEL: Miscellaneous plates, bars, shapes including tension rod shall conform to ASTM A36.

ERECTION PROCEDURE: The details of the connections require that the post and rail installation be accomplished in a sequential manner. Following the erection of a post, the rails must be installed before an adjacent post can be erected. The installation may begin with an end post or with an interior post and extend both ways.

SHOP DRAWINGS: Approval of shop details and materials is required before installation begins.

SUMMARY OF QUANTITIES	
Fence (Chain Link) (6') Special	Lin. Ft.
Fence (Chain Link) (6') Special Duplex/PVC	Lin. Ft.

Dead Load = 19 Lbs./Ft.
Loads applied in accordance with 2007 AASHTO Specs.

NO.	DATE	REVISIONS	BY	APP'D
5	5-2-15	Added Tension Rod Bolt	JPJ	CER
4	5-13-13	Added Duplex Coating	JPJ	TLF
3	7-28-07	Fence Height	JPJ	KFH
2	12-01-05	Tension Rod and Rail Details	JPJ	KFH

KANSAS DEPARTMENT OF TRANSPORTATION

Br. No. Sta.

RAILROAD PROTECTIVE FENCE
U.P. and BNSF R.R.
for SHOULDER WIDTHS greater than 6'-0"

Proj. Co.

SHEET NO. OF	SCALE	APP'D	KENNETH F. HURST
DESIGNED	DETAILED JPJ/RJS	QUANTITIES	CADD SMM
DESIGN CK.	DETAIL CK.	QUAN. CK.	CADD CK. RJS