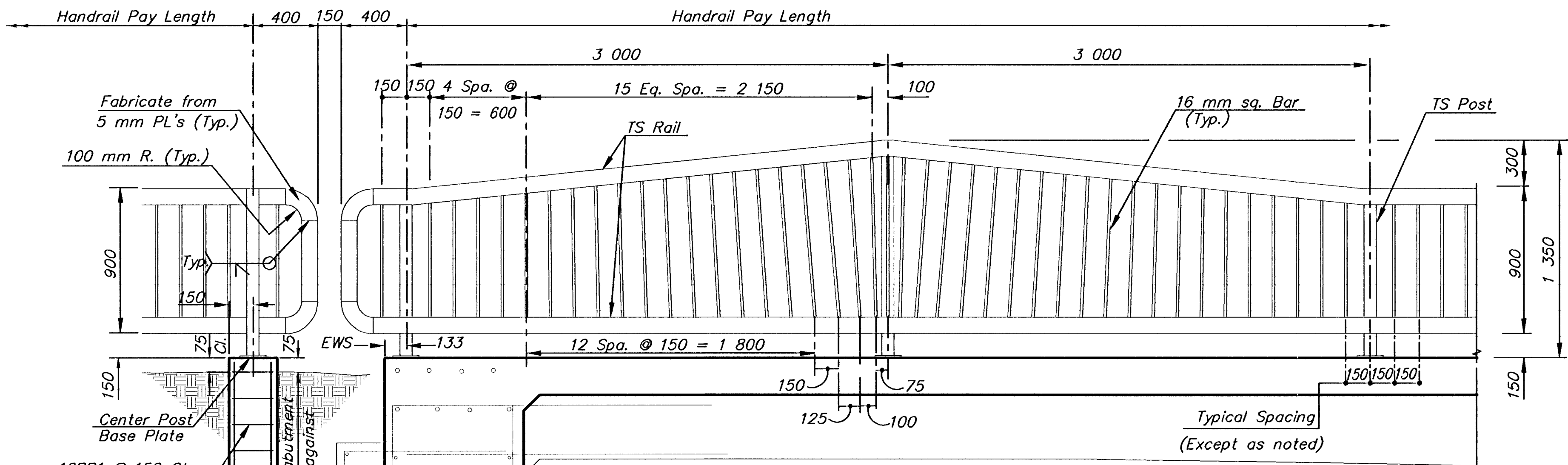
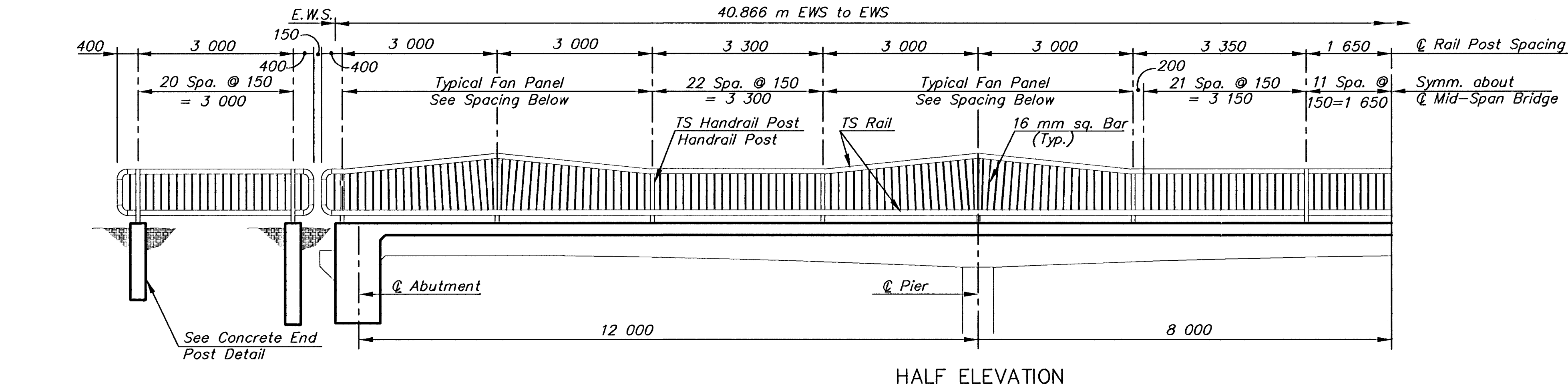
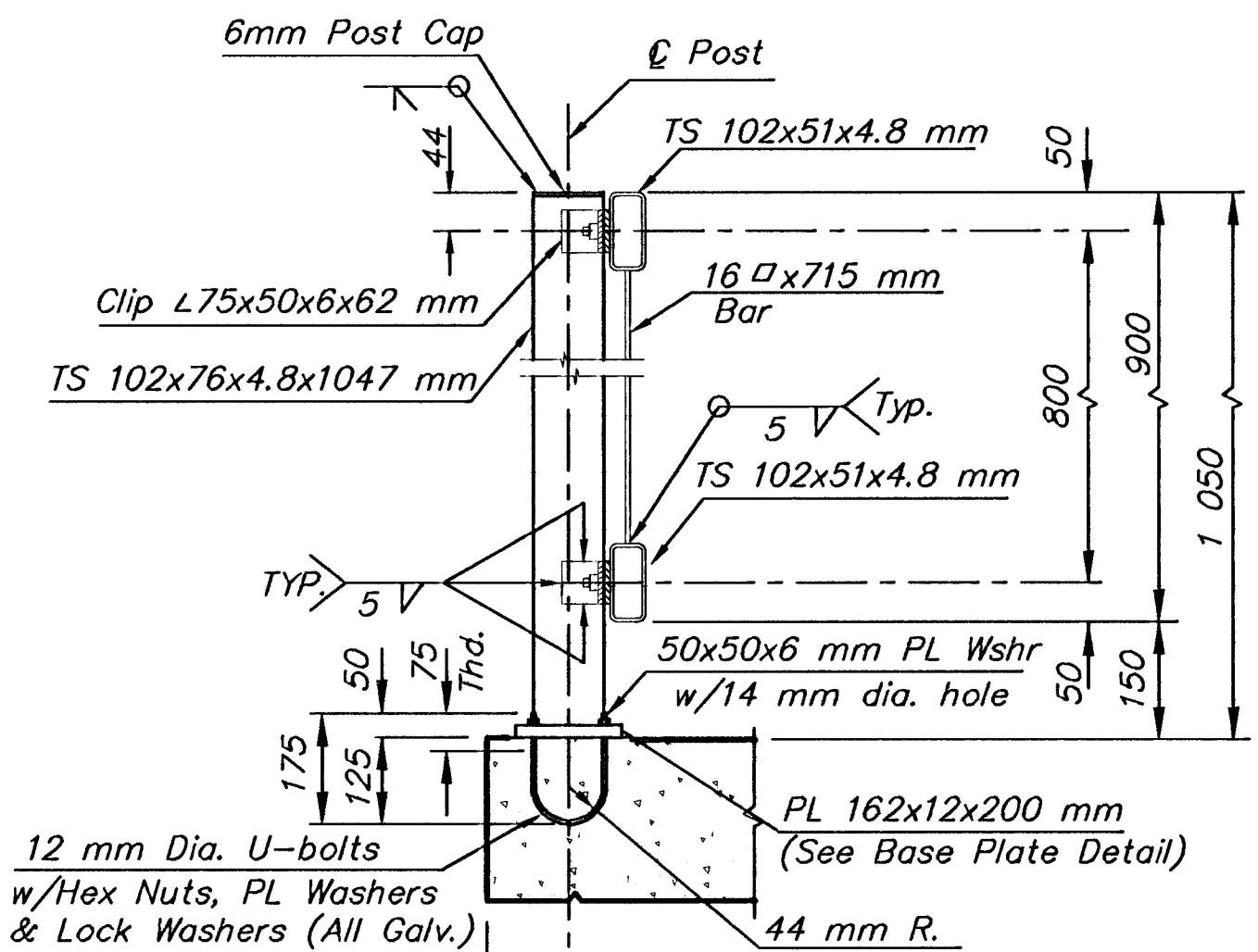


HANDRAIL NOTES

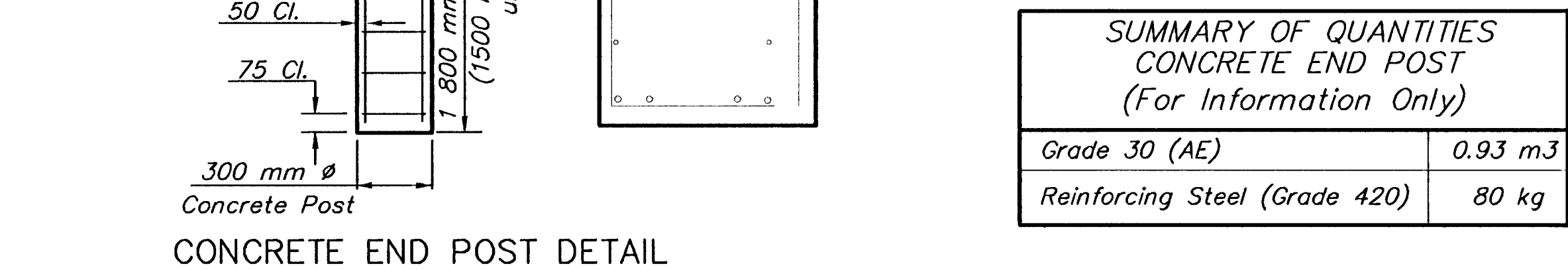
- Plates, bars and angles, shall conform to ASTM Designation A36 or equivalent. Structural tubing shall conform to ASTM A 500 or A 501.
- Rail on bridge shall be fabricated in lengths to include a minimum of two and a maximum of three panels. The approach section shall be a single panel unit. Posts shall be set vertical. Shims may be used between concrete and base plates of posts.
- All parts of Handrail shall be painted. The primer coat shall conform to the inorganic Zinc System. Surface preparation shall be in accordance with that for structural steel. The finish coat shall be High-Build Polyurethane Finish Coat in accordance with the most current KDOT Special Provision. All materials, equipment and labor necessary for the installation of the handrail shall be subsidiary to the bid item.
- Prior to ordering paint, the Contractor shall submit a color chart to be approved by the City of Wichita.
- Concrete Grade 30 (AE) shall be used for concrete end post. Quantities for concrete end posts are included in the substructure total shown in the Summary of Quantities.
- All reinforcing shall conform to ASTM A615M Grade 420. The quantity of reinforcing steel required for the concrete end posts is included in the total shown on sheet no. 8 in the Summary of Quantities.



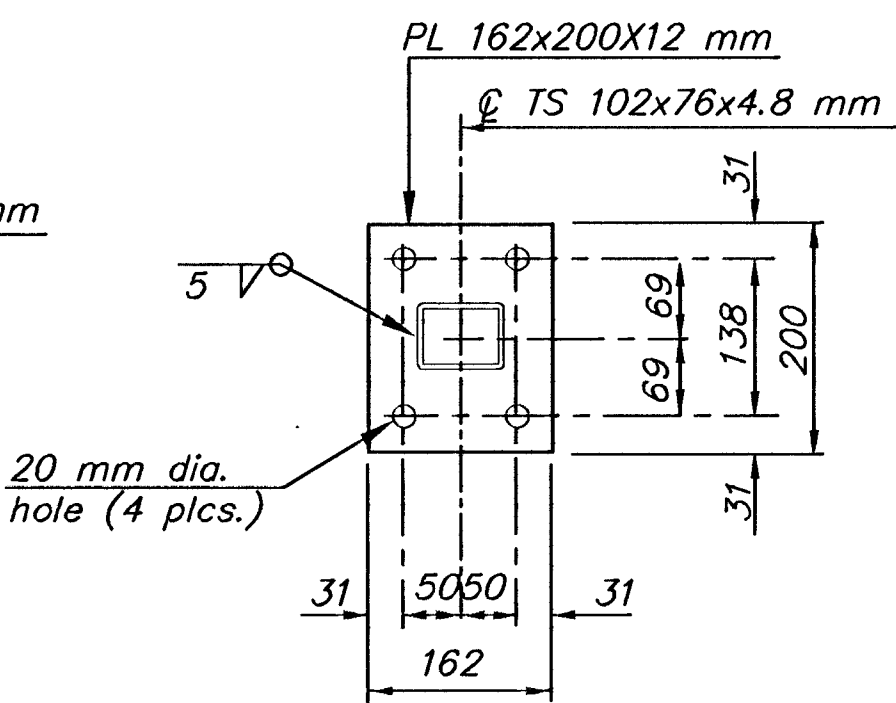
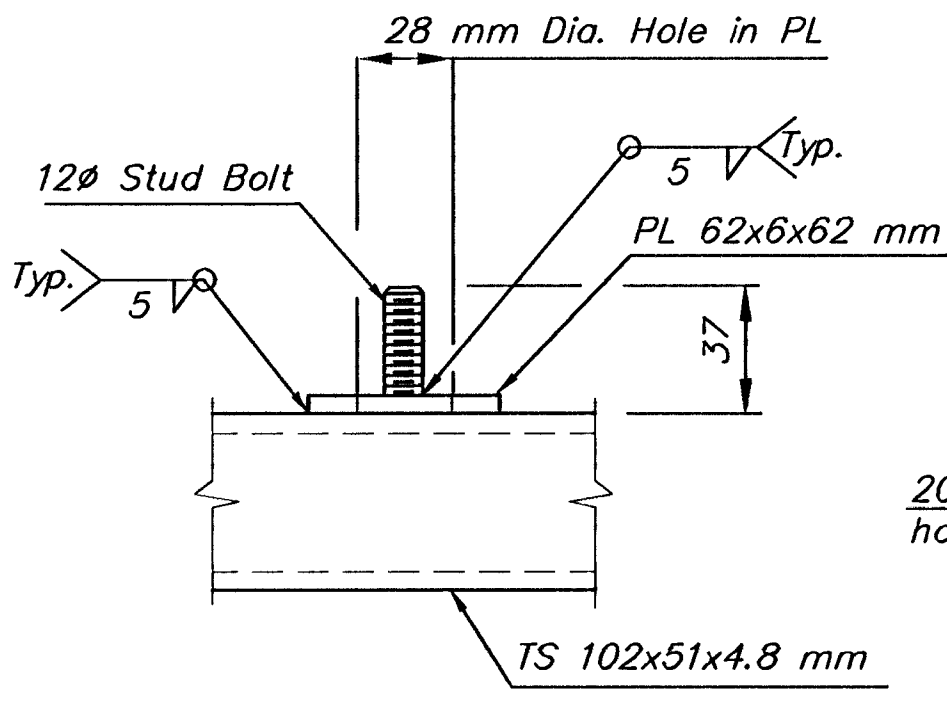
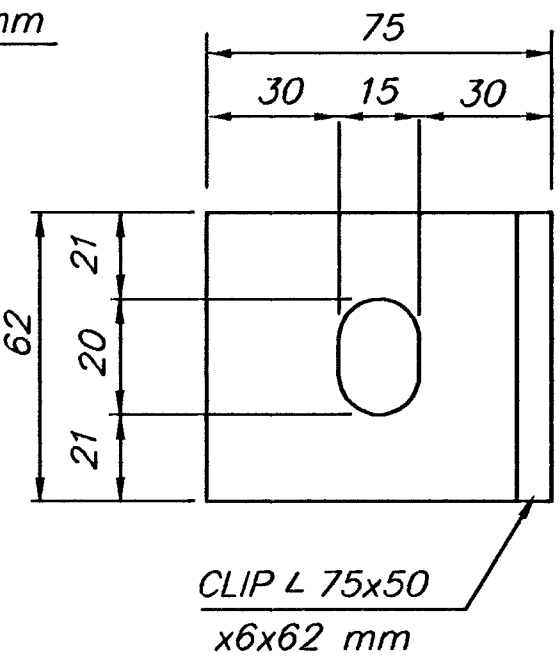
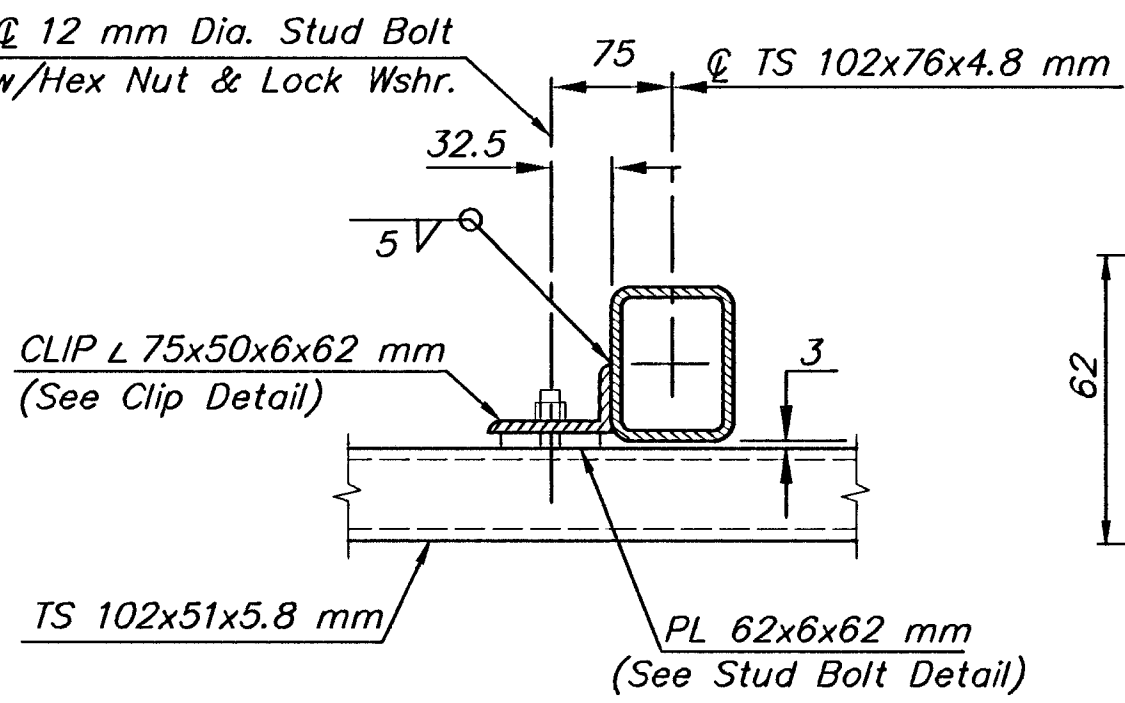
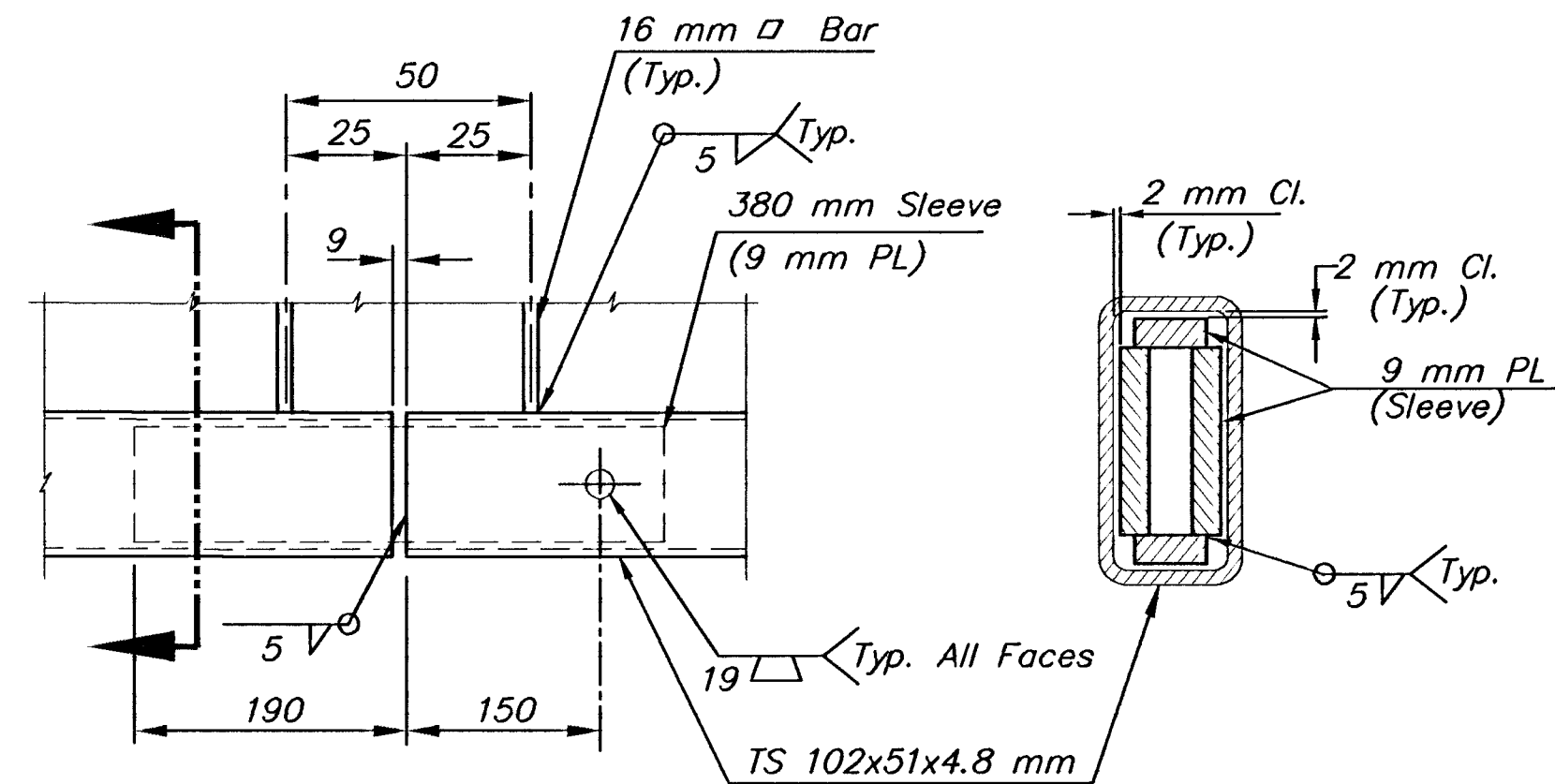
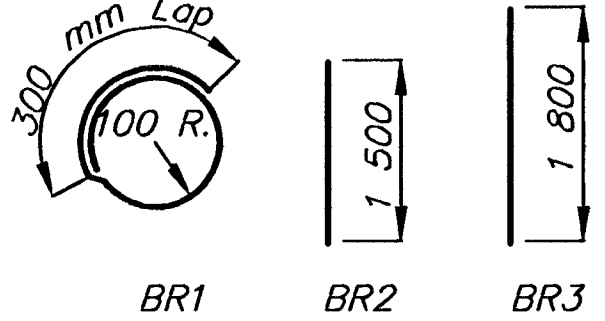
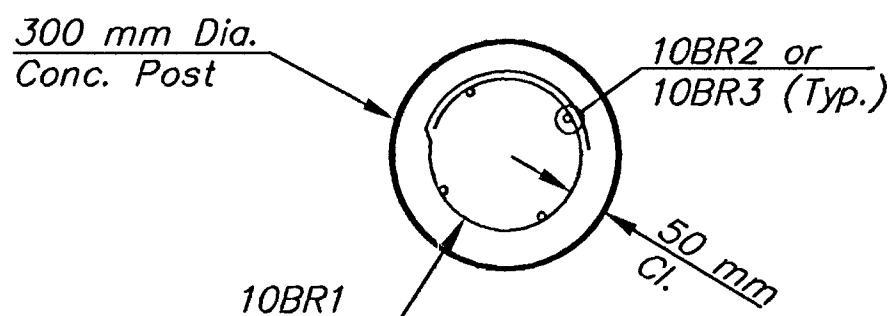
BAR SCHEDULE (For Information Only)			
Bar	BR1	BR2	BR3
No.	96	16	16
Size	10	10	10
Length	928	1 500	1 800



NOTE:
The concrete and reinforcing quantities are included in Bridge quantities.



SUMMARY OF QUANTITIES CONCRETE END POST (For Information Only)	
Grade 30 (AE)	0.93 m ³
Reinforcing Steel (Grade 420)	80 kg



2						
1						
NO.	DATE	REVISIONS			BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION						
BR. NO. 530400870GC1020				STA. 1+450.20		
BRIDGE HANDRAIL DETAIL						
PROJ. NO. 87 N-0088-01				SEDGWICK CO.		
MID-KANSAS ENGINEERING CONSULTANTS, INC.						
WICHITA, KANSAS						
DESIGNED BY:		KJS, PAF		CHECKED BY:		MDK
DRAWN BY:		DPG, MLW		DATE: 11-19-98		SHEET OF