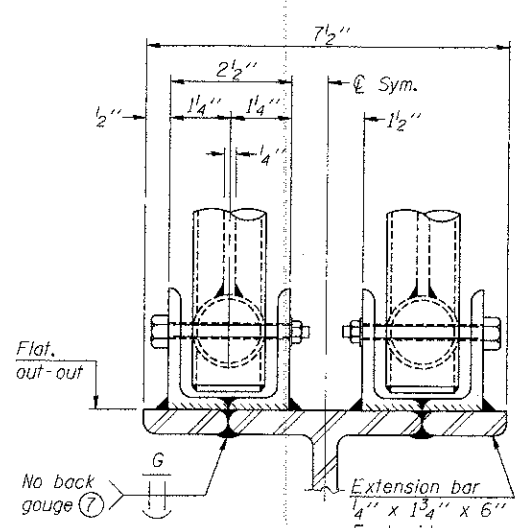
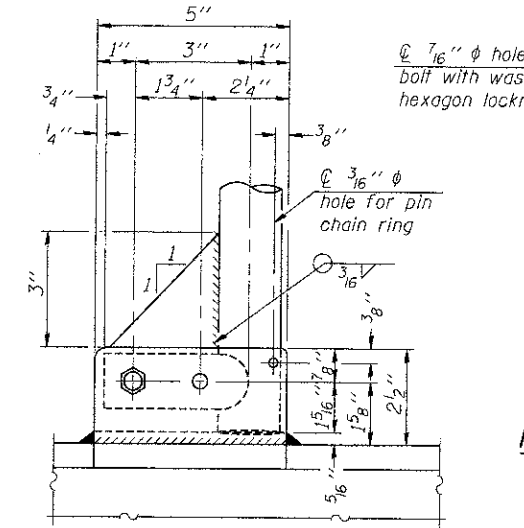


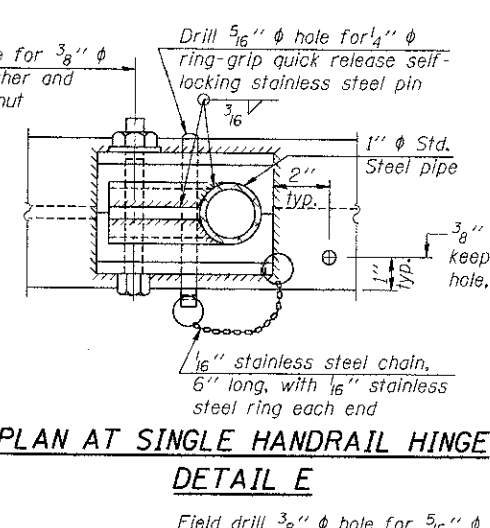
SIDE ELEVATION **DETAIL D HANDRAIL** **FRONT ELEVATION**



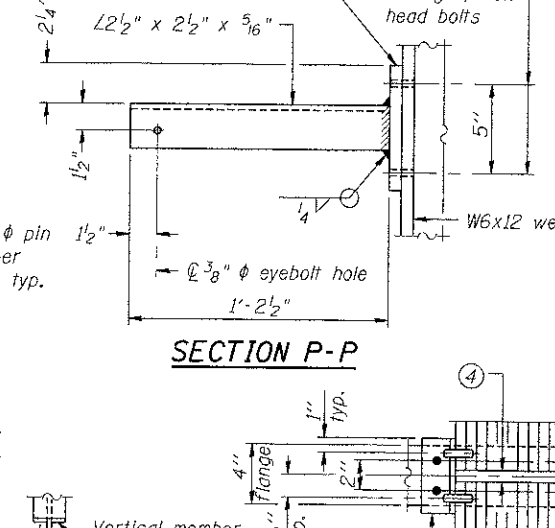
ELEVATION AT HANDRAIL JOINT
(Details not shown same as "FRONT ELEVATION")



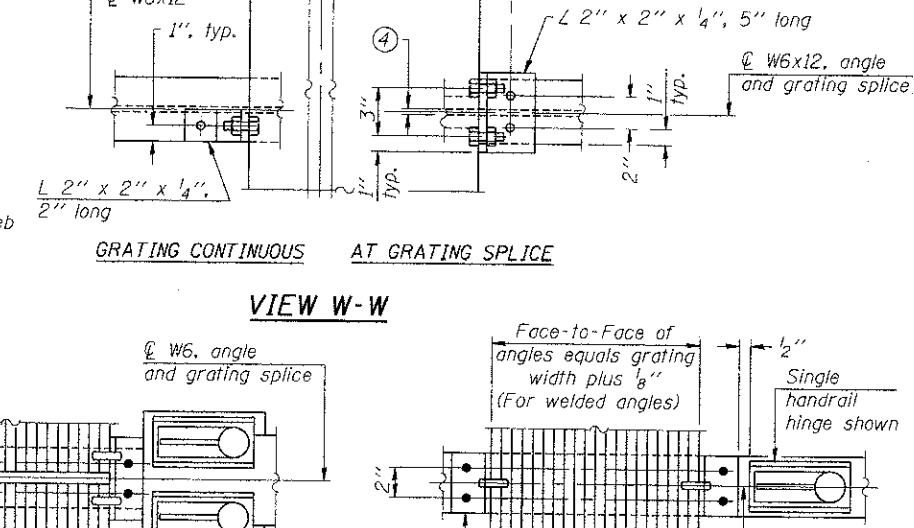
SIDE ELEVATION



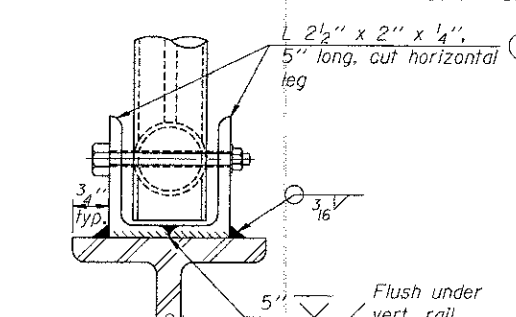
PLAN AT SINGLE HANDRAIL HINGE



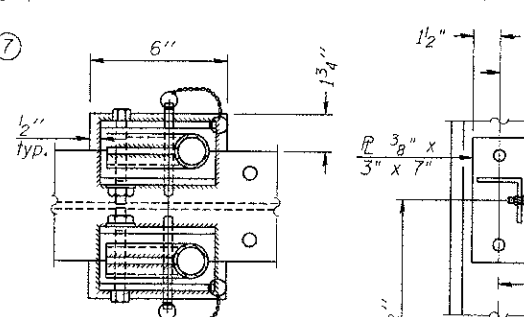
SECTION P-P



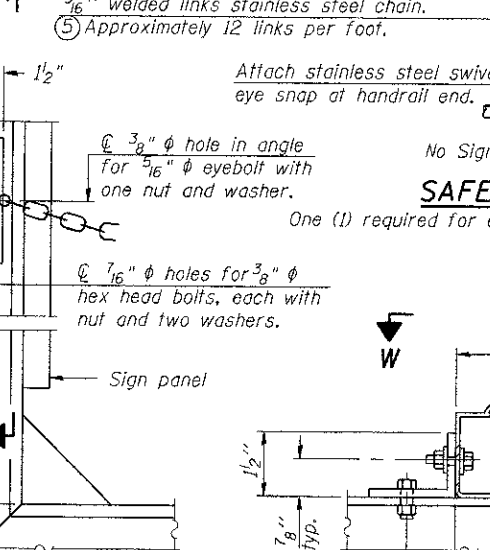
VIEW W-W



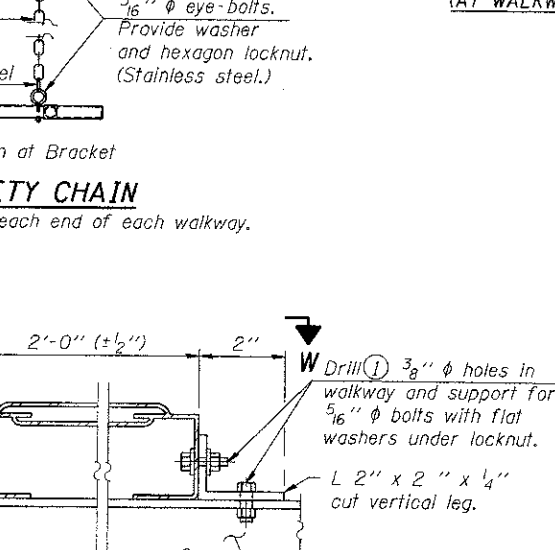
FRONT ELEVATION
(See above Elevations for dimensions.)



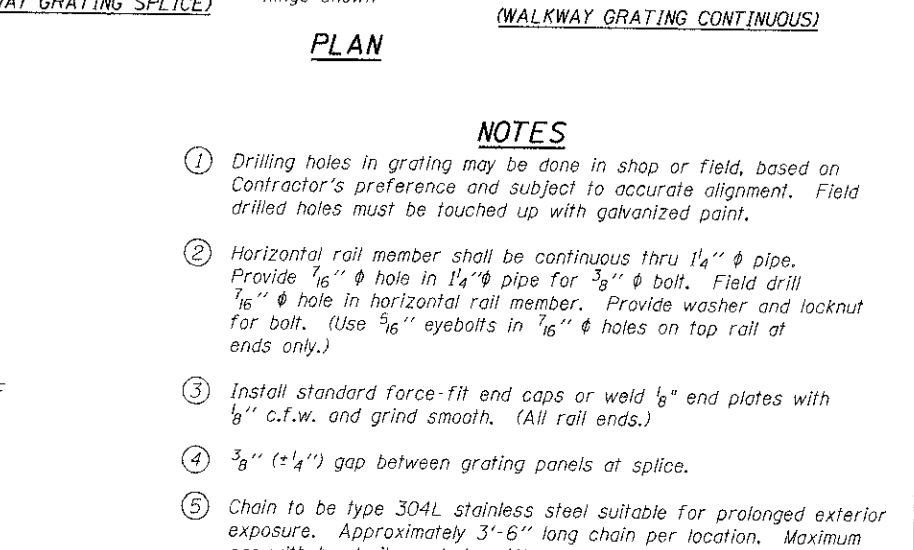
PLAN AT HANDRAIL JOINT
(For Details, see Elevations.)



SAFETY CHAIN ATTACHMENT
(With Sign Present)
Items not shown same as "SIDE ELEVATION" and "SAFETY CHAIN"



ALTERNATE FORMED PLANK GRATING DETAILS
Plank Grating: nominal depth = 2 1/2 inch (± 1/2 inch); perforated or expanded steel sheet with a non-skid surface (non-serrated) concentrated load capacity = 500 lbs. with 6'-0 inch clear span.



PLAN

- NOTES**
- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment. Field drilled holes must be touched up with galvanized paint.
 - Horizontal rail member shall be continuous thru 1 1/4 inch diameter pipe. Provide 7/16 inch diameter hole in 1 1/4 inch diameter pipe for 3/8 inch diameter bolt. Field drill 7/16 inch diameter hole in horizontal rail member. Provide washer and locknut for bolt. (Use 5/16 inch eyebolts in 7/16 inch diameter holes on top rail at ends only.)
 - Install standard force-fit end caps or weld 1/8 inch end plates with 1/8 inch c.f.w. and grind smooth. (All rail ends.)
 - 3/8 inch (± 1/4 inch) gap between grating panels at splice.
 - Chain to be type 304L stainless steel suitable for prolonged exterior exposure. Approximately 3'-6 inch long chain per location. Maximum sag with handrail erected = 4 inch.
 - 1/8 inch x 1/2 inch x 2 inch welded to handrail posts to protect locations that contact grating.
 - Extrusions may be used in lieu of details shown, with approval by Engineer.
 - Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.