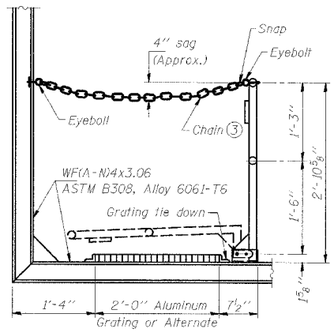
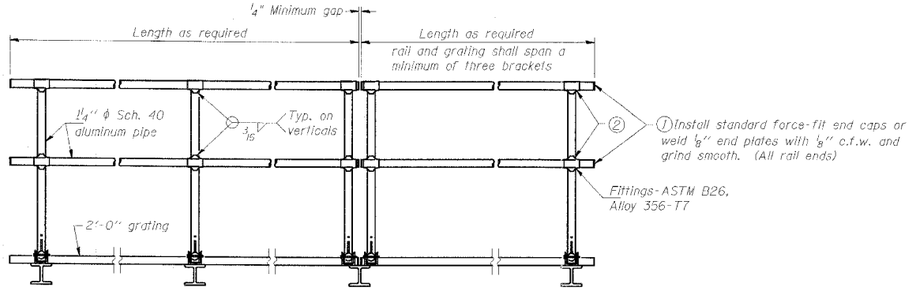
| RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| FA180 | (50-2)HBR | LA SALLE | 460 | 138 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

**CONTRACT NO. 86603** (11 OF 15)




SIDE ELEVATION

(Showing safety chain w/o sign)

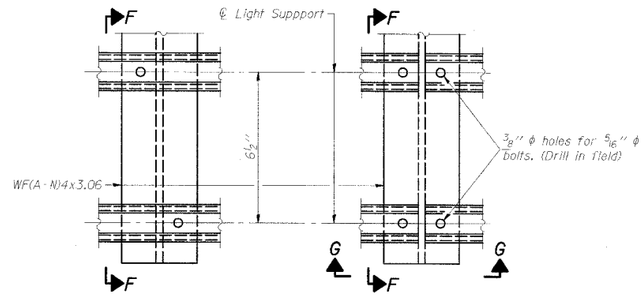



FRONT ELEVATION

(2) Horizontal handrail member shall be continuous thru fitting. Provide 7/16" ϕ hole in fitting for ⅜" ϕ bolt. Field drill 7/16" ϕ hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16"ϕ holes on top rail at ends only.)

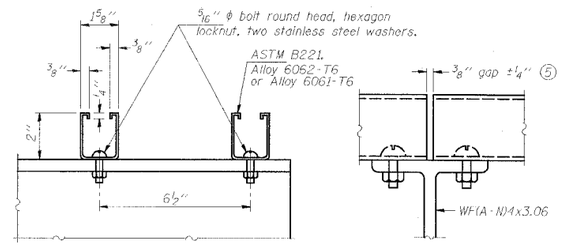
## HANDRAIL DETAILS

Handrail pipe shall be ASTM B241, Alloy 6063-T6 or Alloy 6061-T6.




DETAIL F

DETAIL G

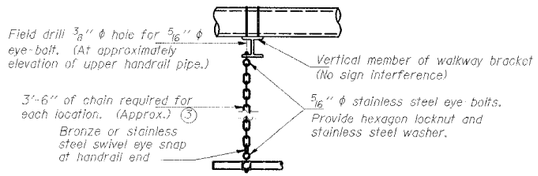



SECTION F-F

SECTION G-G

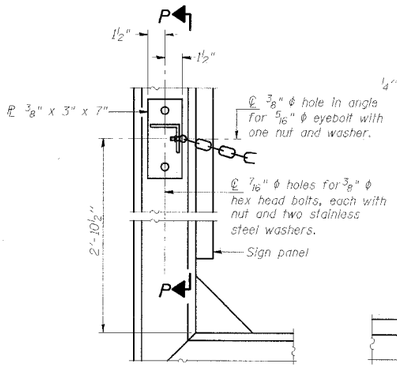
## LIGHTING FIXTURE MOUNTS (IF REQUIRED)

(5) Field cut ends of light support channels shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.




SAFETY CHAIN

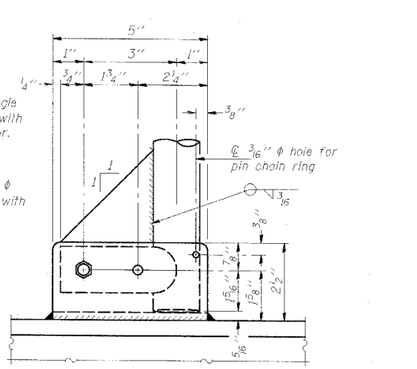
One required for each end of each walkway.



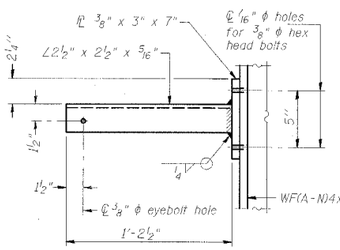

ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)

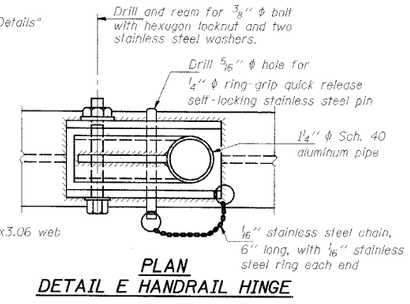
Items not shown same as "Side Elevation" of "Handrail Details"




SIDE ELEVATION

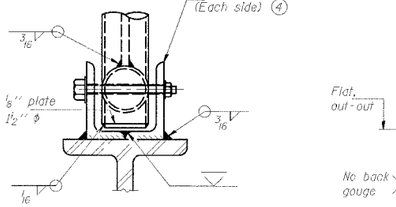



SECTION P-P



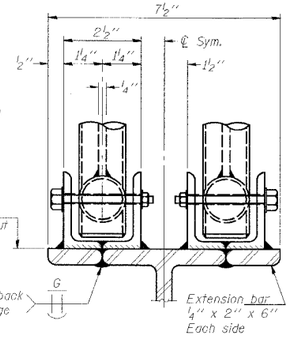

PLAN

DETAIL E HANDRAIL HINGE

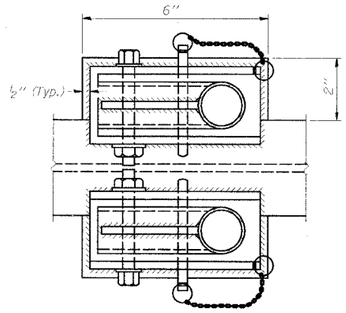



FRONT ELEVATION

See "ELEVATION" at right for dimensions.

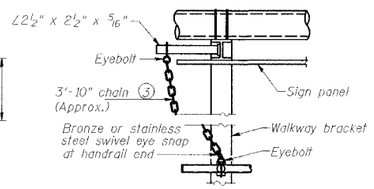



ELEVATION AT HANDRAIL JOINT (4)




PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"




ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details (Walkway omitted for clarity)

(3) 3/16" galvanized steel chain, approximately 12 links per foot. Chain to be hot dip galvanized after manufacture and suitable for prolonged exterior exposure. Alternate materials may be substituted with the Engineer's approval.

(4) Extrusions may be used in lieu of the details shown, with approval of the Engineer.

| NUMBER | REVISION | DATE |
|---|---|---|
| | | |

| REVISIONS NAME | |
|---|---|
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALUMINUM HANDRAIL DETAILS

3S0501080R076.4, STATION 643+14
3S0501080L077.0, STATION 674+70

SCALE: NONE
DATE: 09/04

DRAWN BY: DWH
CHECKED BY: MTD/FMA

OS-A-11 11/1/2002