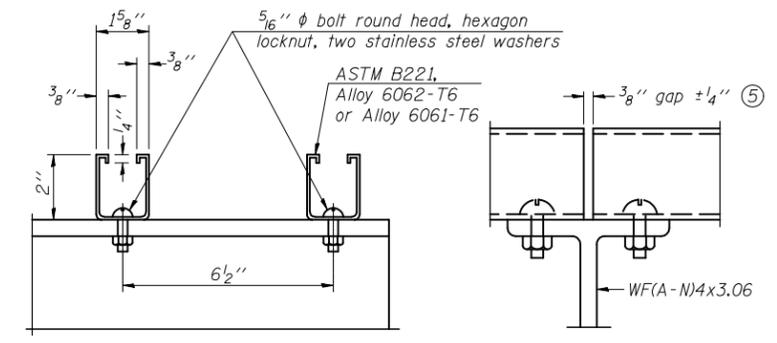
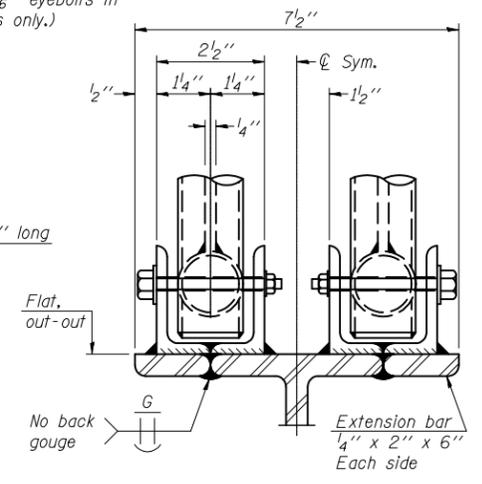
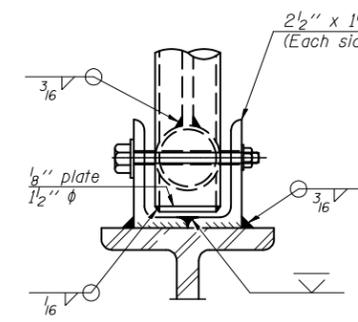
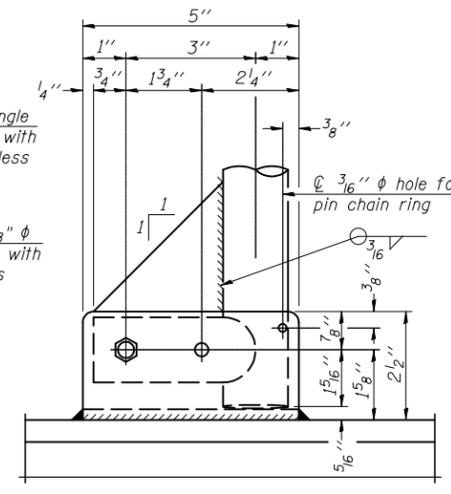
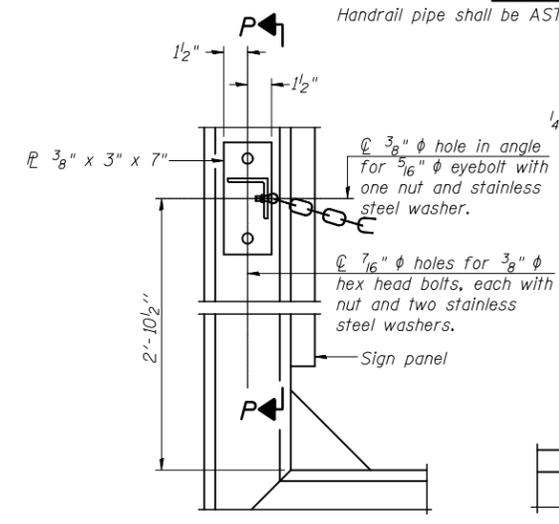


HANDRAIL DETAILS
Handrail pipe shall be ASTM B241 or B429, Alloy 6063-T6 or Alloy 6061-T6.

① Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends)
Fittings-ASTM B26, Alloy 356-T7 or 1 1/2" aluminum pipe
② Horizontal handrail member shall be continuous thru fitting. Provide 7/16" hole in fitting for 3/8" bolt. Field drill 7/16" hole in horizontal rail member. Provide locknut and two stainless steel washers for bolt. (Use 5/16" eyebolts in 7/16" holes on top rail at ends only.)

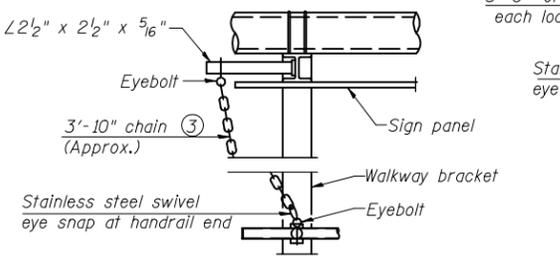
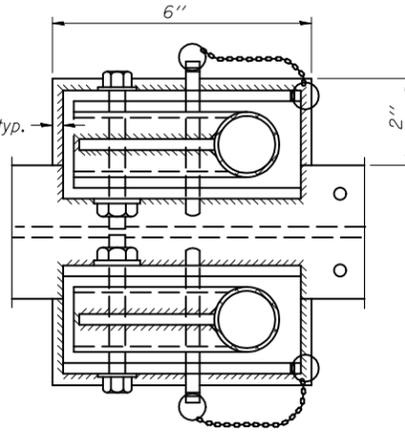
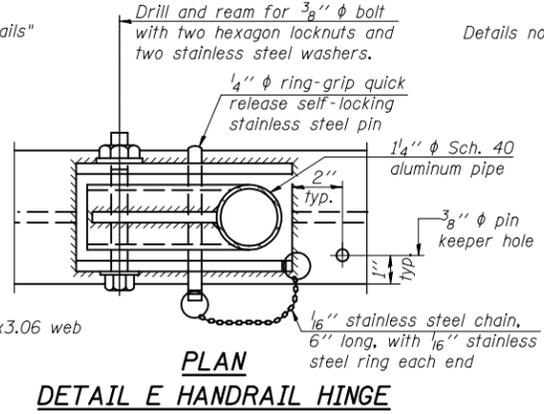
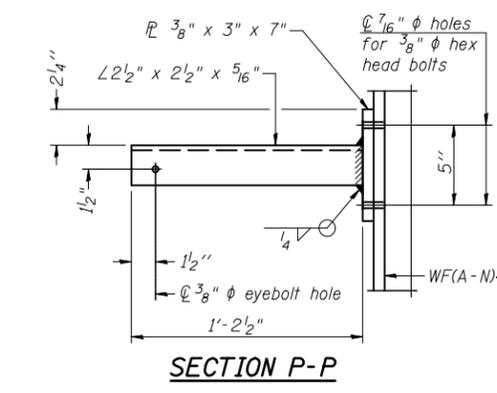
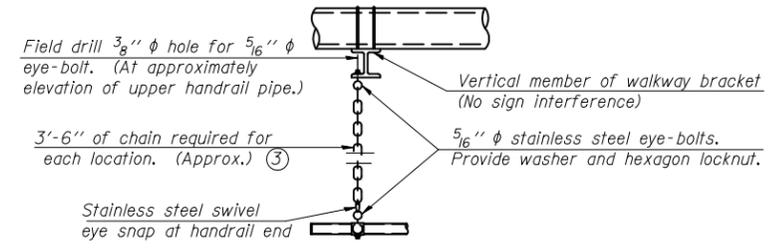


ALTERNATE SAFETY CHAIN ATTACHMENT
(With Sign Present)
Items not shown same as "Side Elevation" of "Handrail Details"

FRONT ELEVATION
Details not shown same as "ELEVATION" at right.

ELEVATION AT HANDRAIL JOINT ④
Details not shown same as "FRONT ELEVATION"

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



ALTERNATE SAFETY CHAIN ATTACHMENT
Details not shown similar to "Safety Chain" Details
(Walkway omitted for clarity)

③ 3/16" Type 304L stainless steel chain, approximately 12 links per foot.
④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.

NUMBER	REVISION	DATE

OSC-A-8

12-1-08

*FAU 7052 /FAP 729

FILE NAME =	USER NAME = bucklesjj	DESIGNED -	REVISED -
ca:\pwork\pwork\BUCKLESJJ\d0132727.dwg	70315-sht-truss_details.dgn	DRAWN -	REVISED -
PLOT SCALE = 40.0000 / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 12/7/2009	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES HANDRAIL DETAILS
ALUMINUM TRUSS & STEEL POST

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(36X,36X-1,342-3)RS-1	VERMILION	58	46
CONTRACT NO. 70315			ILLINOIS FED. AID PROJECT	

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.