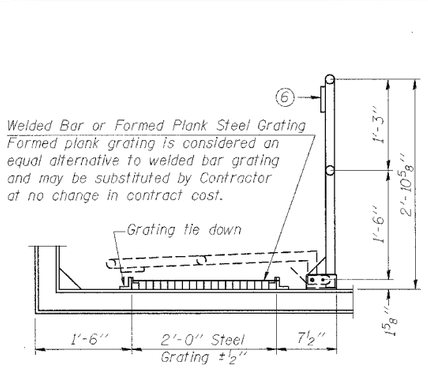
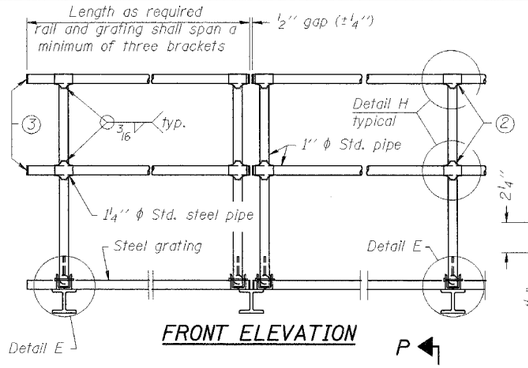
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
59	•	WILL	608	311
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

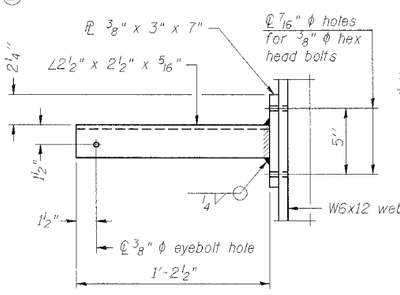
* (26, 26HB-1 & 114) R-2
CONTRACT NO. 60363



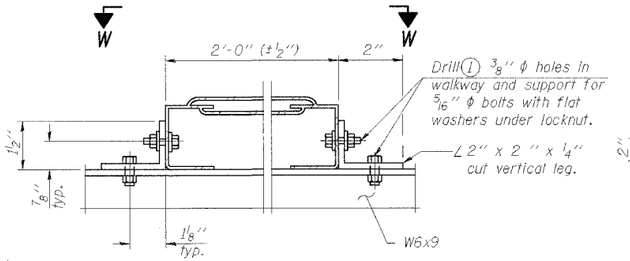
SIDE ELEVATION



FRONT ELEVATION

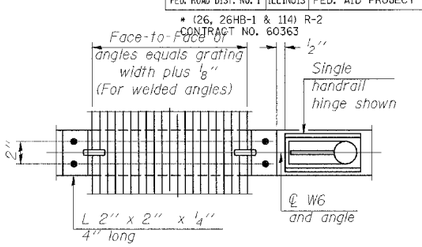


SECTION P-P

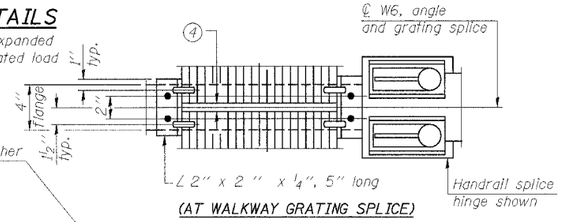


ALTERNATE FORMED PLANK GRATING DETAILS

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

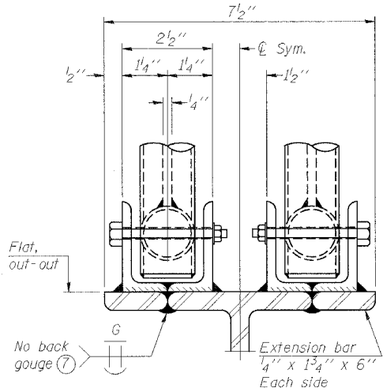


(WALKWAY GRATING CONTINUOUS)



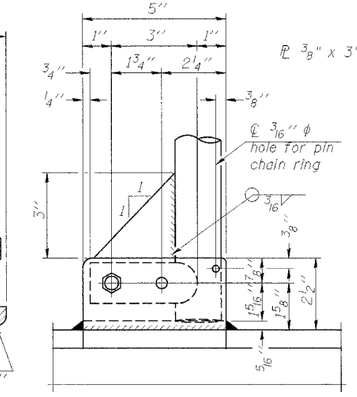
(AT WALKWAY GRATING SPLICE)

PLAN

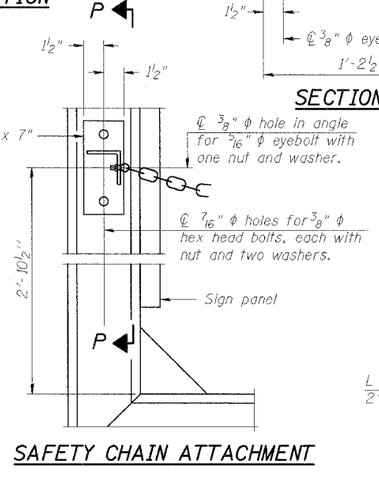


ELEVATION AT HANDRAIL JOINT

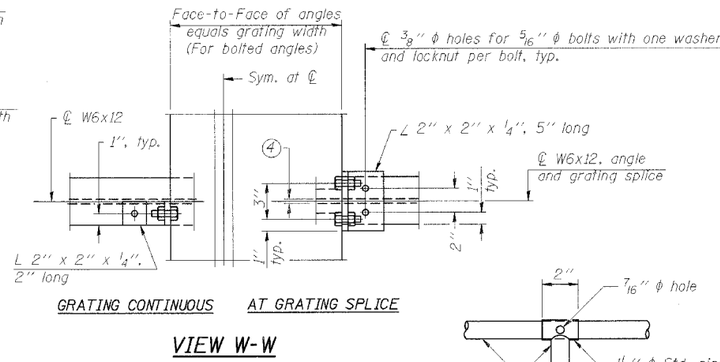
(Details not shown same as "FRONT ELEVATION")



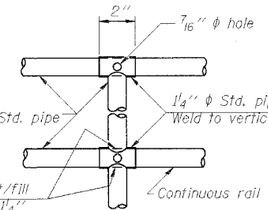
SIDE ELEVATION



SAFETY CHAIN ATTACHMENT



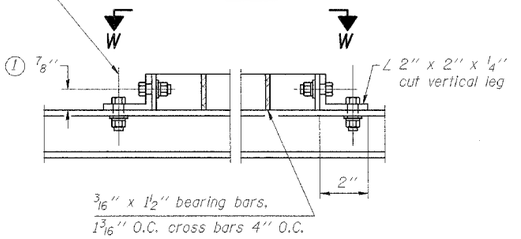
GRATING CONTINUOUS AT GRATING SPLICE



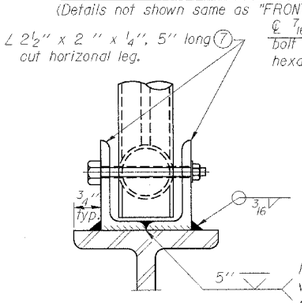
VIEW W-W

DETAIL H

Welds 3/16" continuous

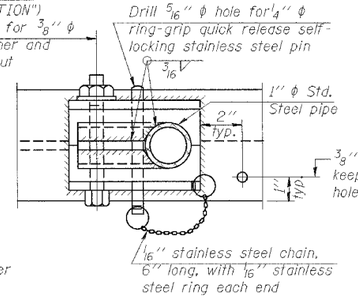


WELDED BAR GRATING DETAILS



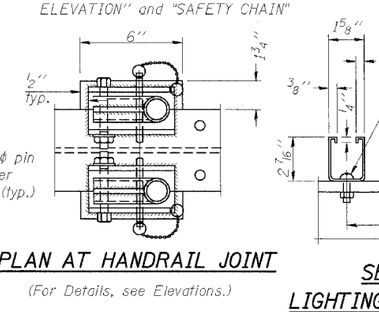
FRONT ELEVATION

(See above Elevations for dimensions.)



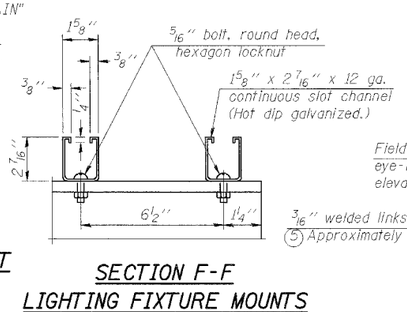
PLAN AT SINGLE HANDRAIL HINGE

DETAIL E



PLAN AT HANDRAIL JOINT

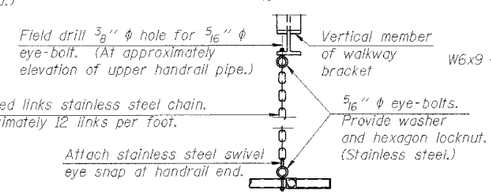
(For Details, see Elevations.)



SECTION F-F

LIGHTING FIXTURE MOUNTS

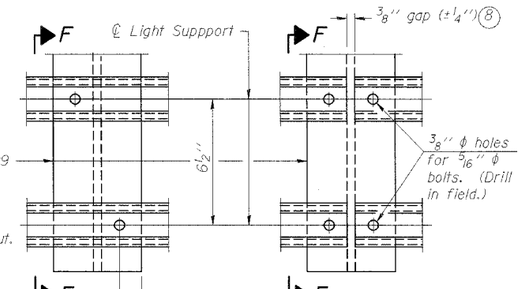
(If required)



No Sign at Bracket

SAFETY CHAIN

One (1) required for each end of each walkway.



DETAIL F

DETAIL G

NOTES

(1) 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.

(2) Horizontal rail member shall be continuous thru 1 1/4" ϕ pipe. Provide 7/16" ϕ hole in 1 1/4" ϕ pipe for 3/8" ϕ bolt. Field drill 7/16" ϕ hole in horizontal rail member. Provide washer and locknut for bolt. (Use 5/16" eyebolts in 7/16" ϕ holes on top rail at ends only.)

(3) Install standard force-fit end caps or weld 1/8" end plates with 1/8" c.f.w. and grind smooth. (All rail ends.)

(4) 3/8" (±1/4") gap between grating panels at splice.

(5) Chain to be type 304L stainless steel suitable for prolonged exterior exposure. Approximately 3'-6" long chain per location. Maximum sag with handrail erected = 4".

(6) ℄ 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.

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

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

NUMBER	REVISION	DATE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI 55 AT FAP 338 ILLINOIS ROUTE 59
SECTION: (26, 26HB-1 & 114) R-2

WALKWAY DETAILS

DRAWN BY: MDB
DATE: 03/14/08 CHECKED BY:

TENG
TENG & ASSOCIATES, INC.
ENGINEERS-ARCHITECTS-PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601
TELEPHONE: (312) 616-1620

BM-4 6/01/2007

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