



Port of Juneau

155 S. Seward Street • Juneau, AK 99801
(907) 586-0292 Phone • (907) 586-0295 Fax

From: Port Director

To: CBJ Public Works & Facilities Committee

Via: (1) Docks & Harbor Board
(2) Public Works & Engineering Director

Date: October 25th, 2023

Re: CIP Establishment and Funds Transfer to Cruise Ship Dock Safety Railing

Docks & Harbors requests establishing Capital Improvement Project (CIP) and transfer of \$500,000 from the Docks Enterprise Fund Balance to complete a portion of the Cruise Ship Dock Safety Railing project. The Port Engineer estimates that 1300 linear feet of safety rail is needed at a cost of \$2M.

The Board has identified this project as the 3rd highest priority to the CBJ Capital Improvement Program for FY2024-2029. This has also been submitted as a request for Marine Passenger Fees since completion of the new cruise ship berths in 2017. The estimated Docks Enterprise Fund Balance is \$2.3M as of the end of FY23. If the Assembly approves funding, the remaining Docks Fund Balance will be approximately \$1.8M.

The Docks & Harbors Board has identified risk to CBJ by not taking appropriate action as indicated in encl (1) and in video link.

The proposed work will replicate the same design which has already been completed along the Seawalk and would include new bull rail where necessary to provide a clean and professional appearance. The computer aided design (CAD) for the most recent work along the Marine Park Seawalk is provided in encl (3).

Action Requested:

Docks & Harbors requests formal establishment of a capital improvement project and a \$500,000 transfer from the Docks Fund Balance, as described above, be forwarded to the full Assembly for approval.

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Encl:

- (1) Memo dated July 27th, 2023
- (2) Photos of current Seawalk
- (3) CAD of proposed safety railing



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From: Docks & Harbors Board
To: City & Borough of Juneau Assembly
Date: July 27th, 2023
Re: Downtown Safety Railings

The Docks & Harbors Board is concerned that CBJ is exposed to unnecessary risks due to the Seawalk not fitted with safety railings from the CT Dock to Marine Park. Prior to construction of the new cruise ship berths in 2017, the face of the dock was a working waterfront in which vessels moored tightly to the bollards along the Seawalk. This created an impractical situation to install and maintain guard/safety railings. With the new pontoon float design and the vessels moved well-off the timber wharf, there is no justification to leave the Seawalk unprotected from potential pedestrian falls of 30+ feet into Juneau Harbor.

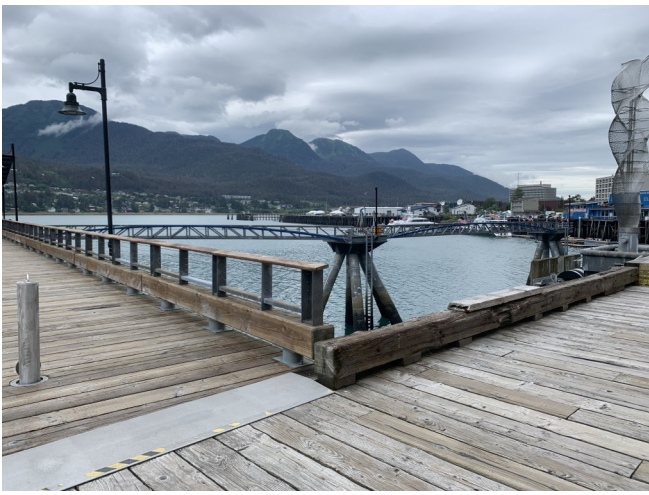
Since the completion of the new cruise ship berths, Docks & Harbors has submitted annual Marine Passenger Fee requests for safety railing as a need along the downtown waterfront. As we experience more cruise passengers with greater concentration along the Seawalk, Board members are becoming more apprehensive that this is an exposure which should be mitigated soonest. There is also bona fide need to protect Juneauites who frequent the docks at all hours and during the off-season when weather is less forgiving.

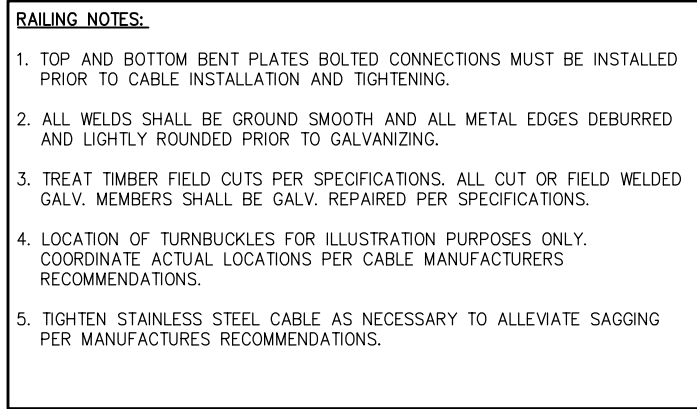
The Board understands a desire to maintain the historic aesthetics of the existing bull rail. However, we encourage examination of the newly constructed safety rails near Marine Park and consider that guardrails provide a good public safety benefit (particularly for elderly and mentally impaired). This design adds a visually pleasant safety element that functionally allows visitors to lean on the top rail and watch the active waterfront. Docks & Harbors staff estimates that 1300 linear feet of safety rail is needed at a cost of \$2M. The Board is contemplating directing staff to execute \$500K of Dock Enterprise Fund Balance to construct a phase prior to the CY24 cruise ship season.

This photo was taken on July 3rd. A member of the public attempted to awake this individual, then notifications were made to the Port Staff, JPD and CCFR. The individual was eventually assisted by CARES.

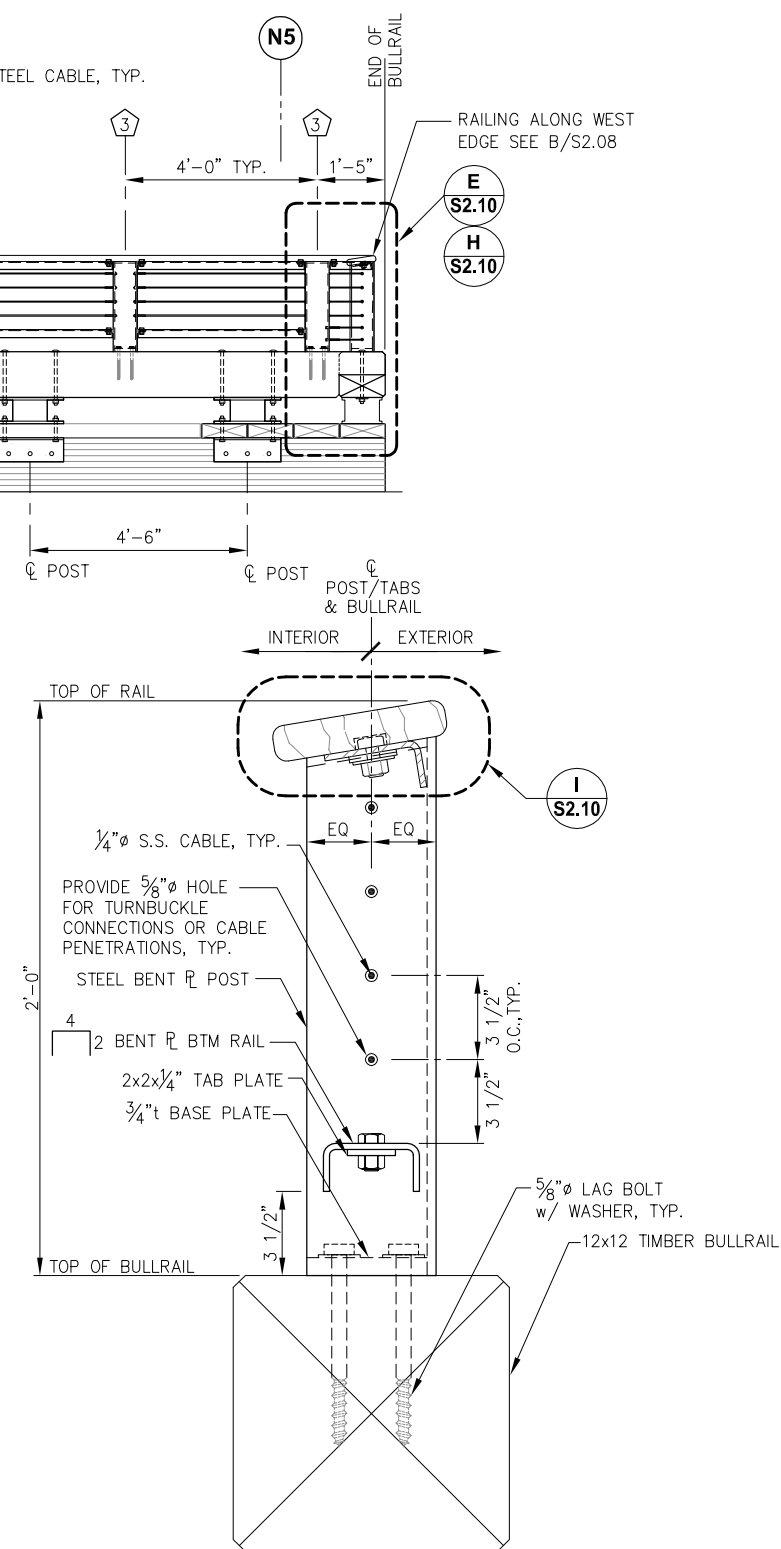
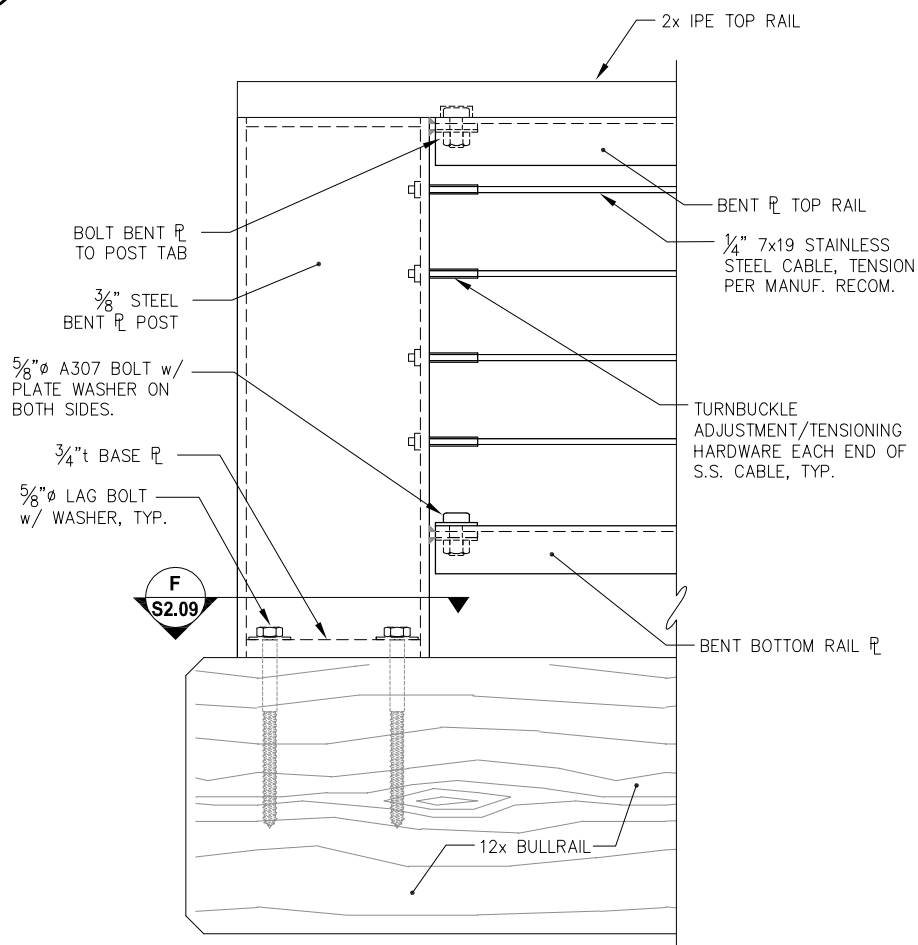


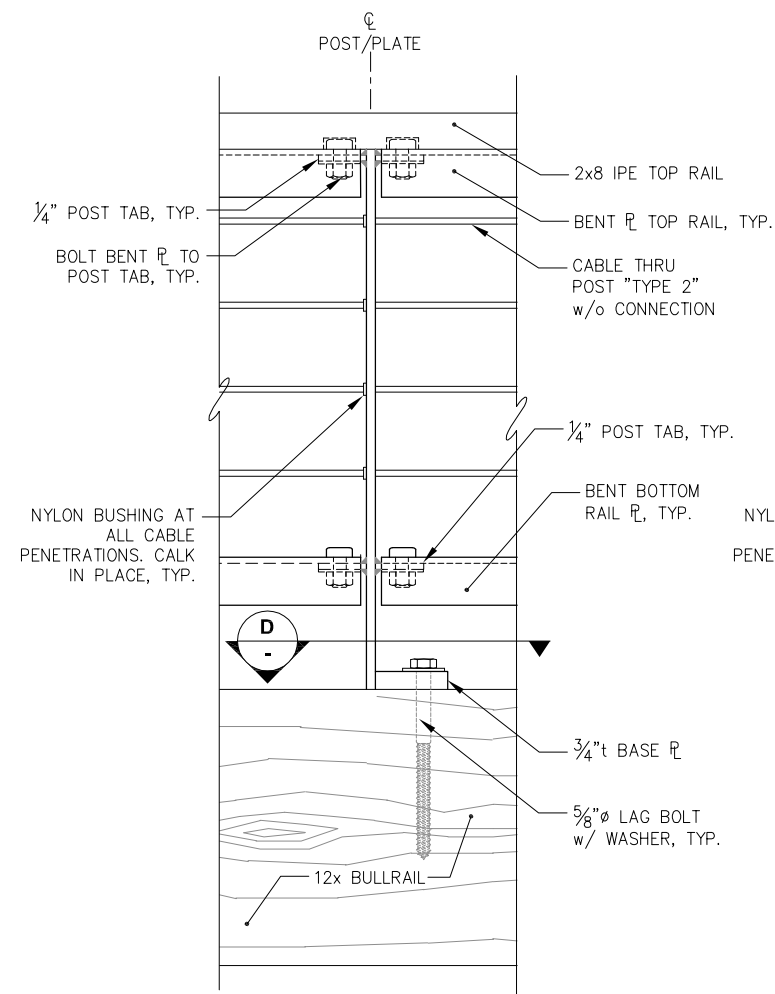




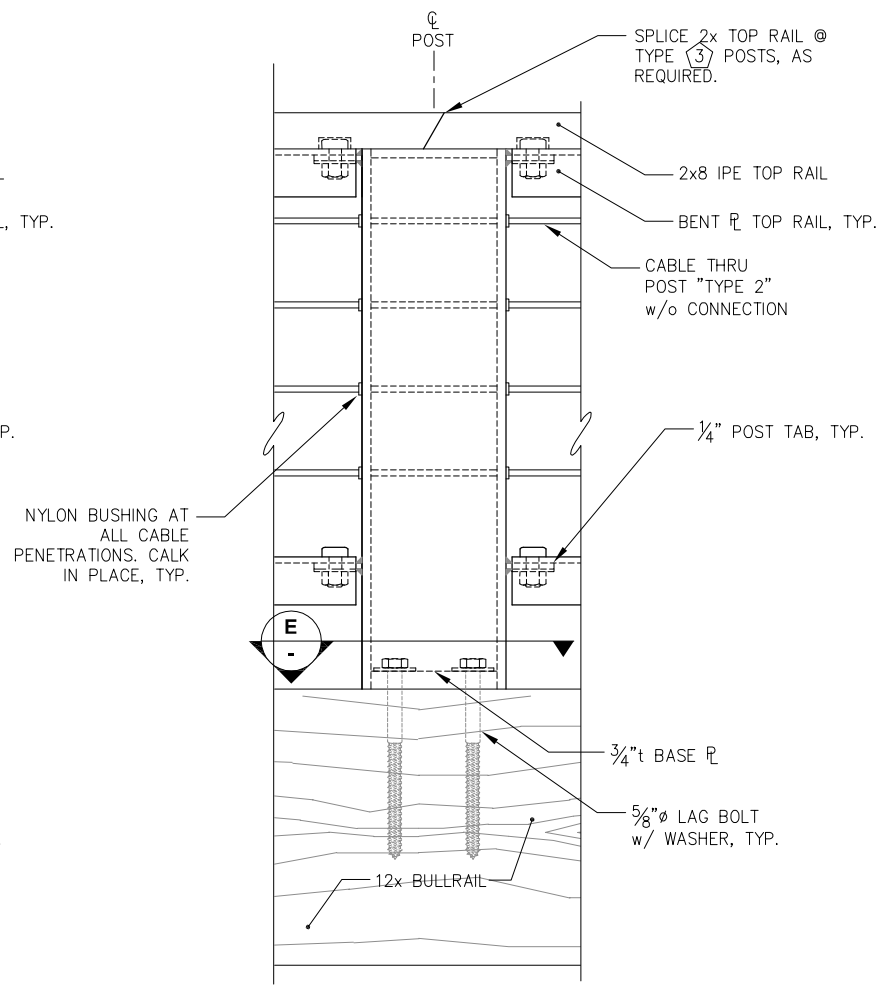


RAILING POST SCHEDULE		
TYPE	TAB & HOLE LOCATIONS	NOTES
1A	RIGHT SIDE ONLY	CABLE PENETRATE RIGHT SIDE WITH TURNBUCKLES SEE DETAIL B/S2.07
1B	LEFT SIDE ONLY	CABLE PENETRATE LEFT SIDE WITH TURNBUCKLES SEE DETAIL B/S2.07 SIM.
2	BOTH SIDES	CABLE PENETRATE BOTH SIDE NO TURNBUCKLES, SEE DETAIL A/S2.09
3	BOTH SIDES	CABLE PENETRATE BOTH SIDES, TURNBUCKLES AS NOTED IN GUARD RAIL NOTES, SEE DETAILS B&C/S2.09

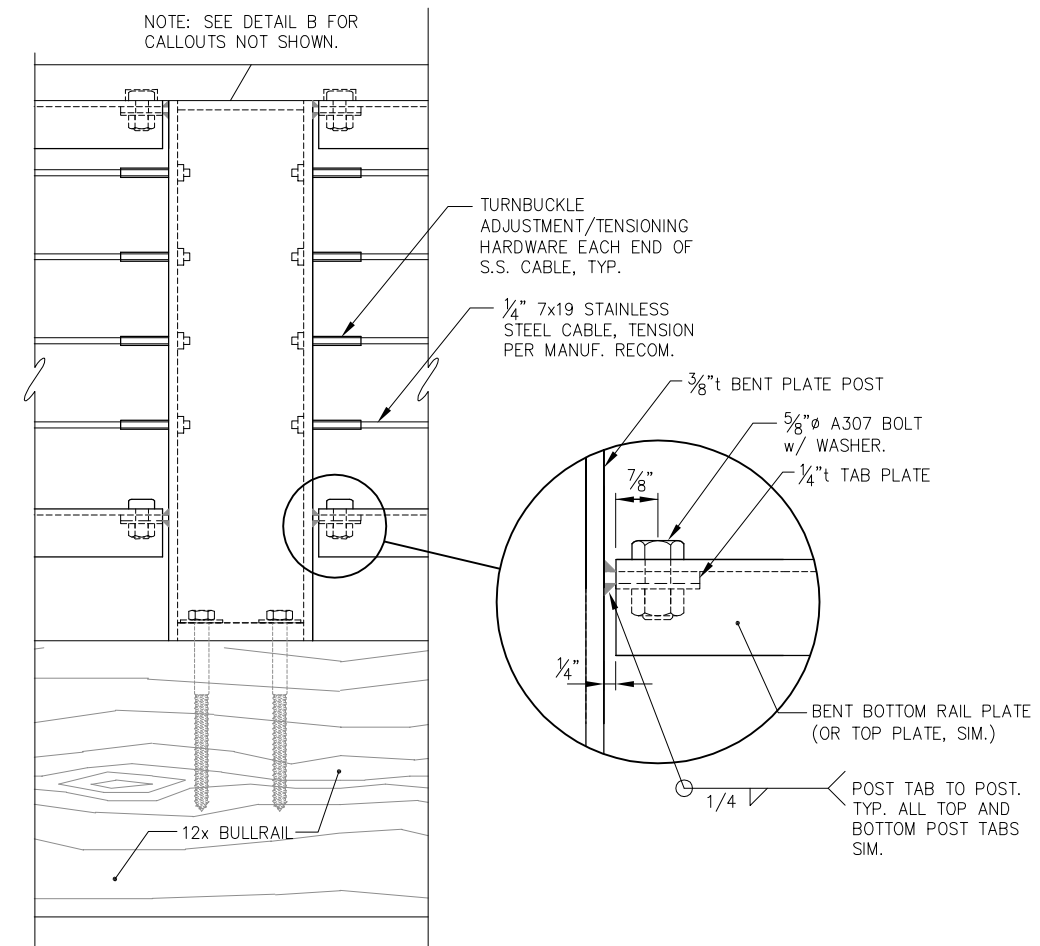
[illegible]



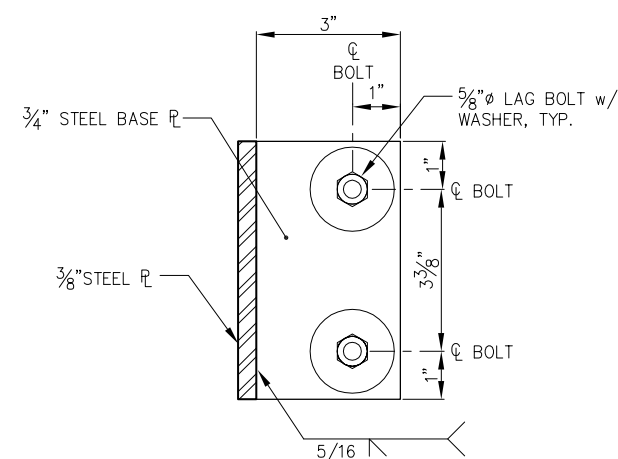
A STANDARD RAILING POST TYPE 2 ELEVATION



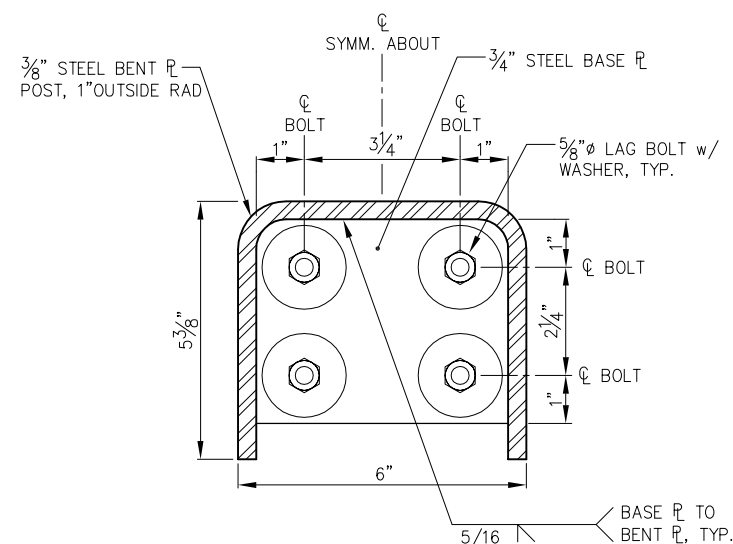
B POST TYPE 3 w/o TURNBUCKLES ELEVATION



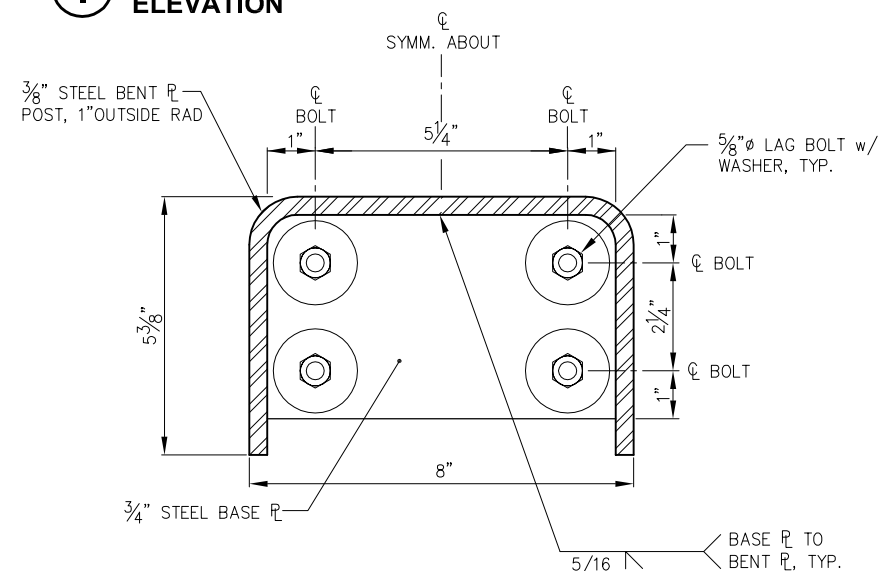
C POST TYPE 3 w/ TURNBUCKLES ELEVATION



D POST BASE PLATE TYPE 2



E POST BASE PLATE TYPE 3



F POST BASE PLATE TYPE 1A & 1B



REVISIONS				
REV.	DATE	DESCRIPTION	DWN.	CKD.

P N D
ENGINEERS, INC.

9360 Glacier Highway, Ste. 100
Juneau, Alaska 99801
Phone: 907-586-2093
Fax: 907-586-2099
www.pndengineers.com

DESIGN: MDS CHECKED: JLD
DRAWN: WRB APPROVED: CRS

SCALE: AS SHOWN



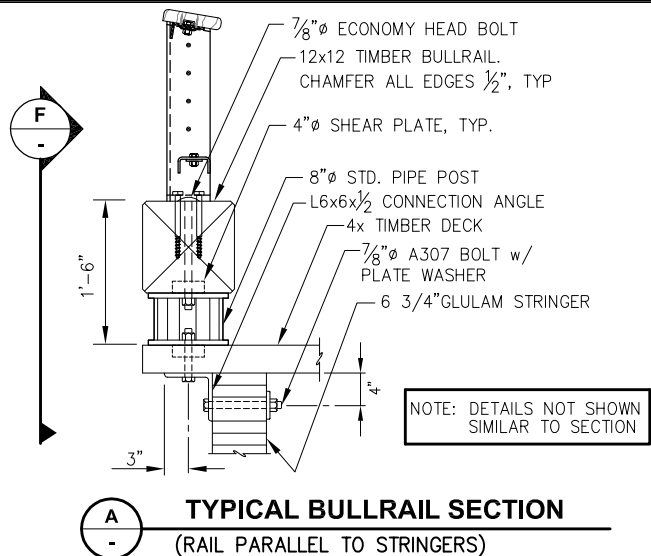
DATE: 8/23/13

**PORT OF JUNEAU
CRUISE SHIP BERTHS
CONTRACT NO. DH12-001**

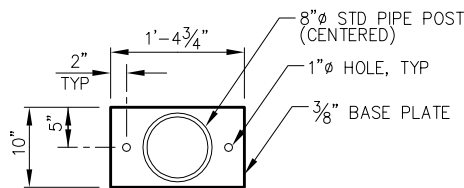
SHEET TITLE:
TYPICAL RAILING POST DETAILS

PN&D PROJECT NO.: 102050.04 DWG. FILE: -----DWG

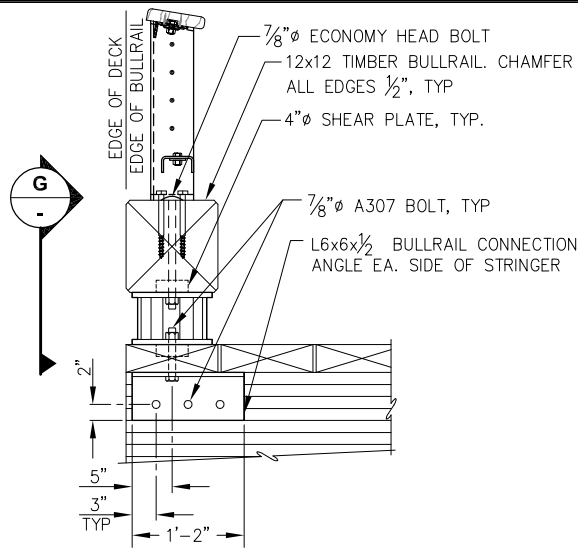
S2.09
SHEET
27 OF 124



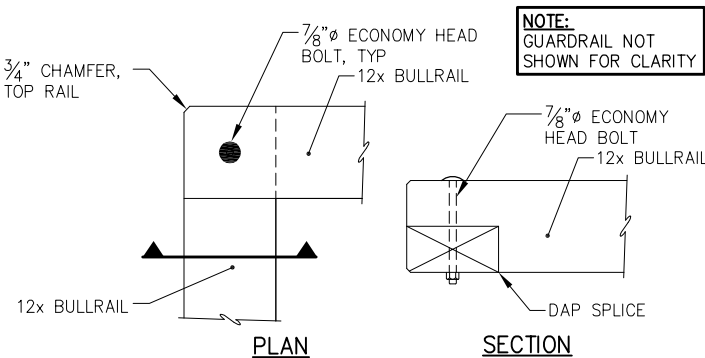
NOTE: ALL BULLRAIL CONNECTION BOLTS SHALL BE 7/8" Ø UNLESS OTHERWISE NOTED.



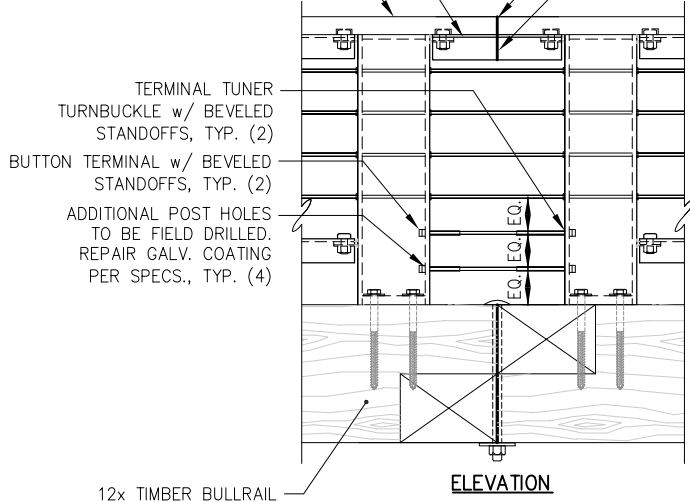
NOTE: PROVIDE AT 6-FT O.C. MAX AND 2-FT MAX FROM BULLRAIL ENDS. MIN. 2 POST BASE PER 12x12 PIECE.



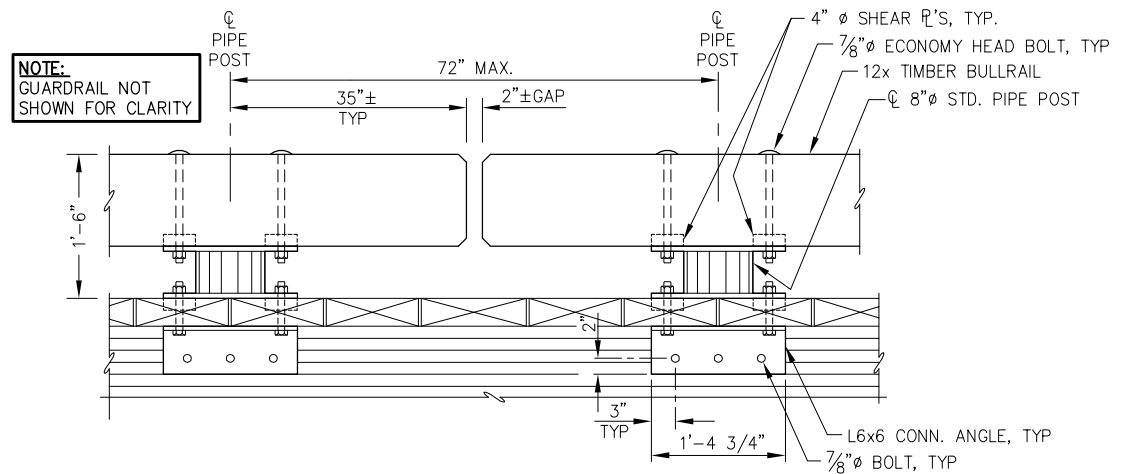
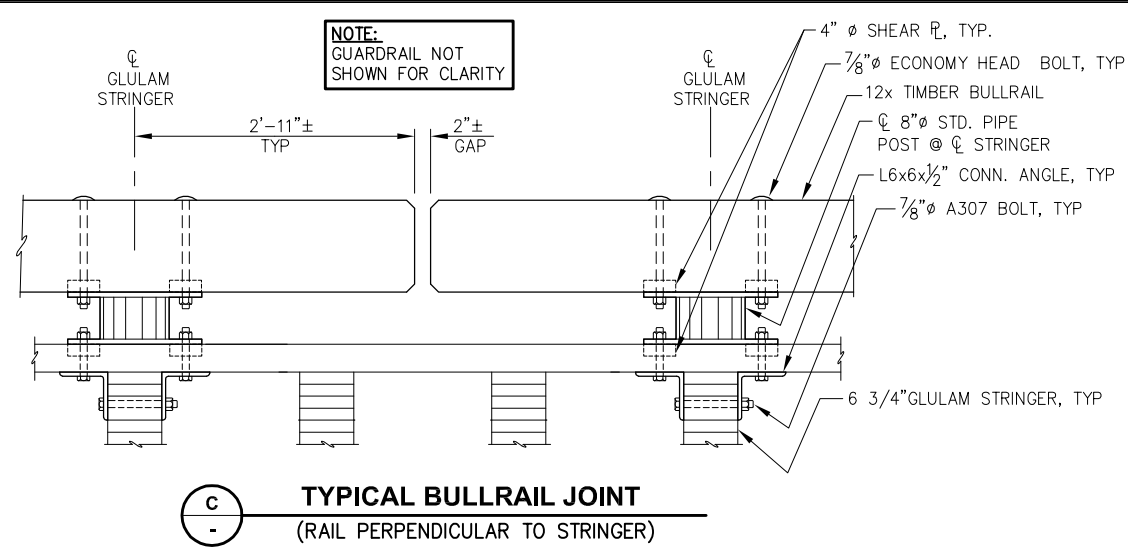
NOTE: GUARDRAIL NOT SHOWN FOR CLARITY



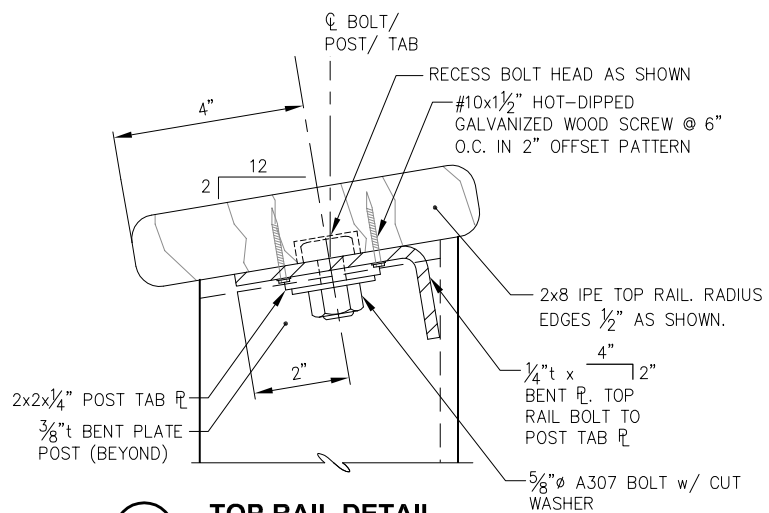
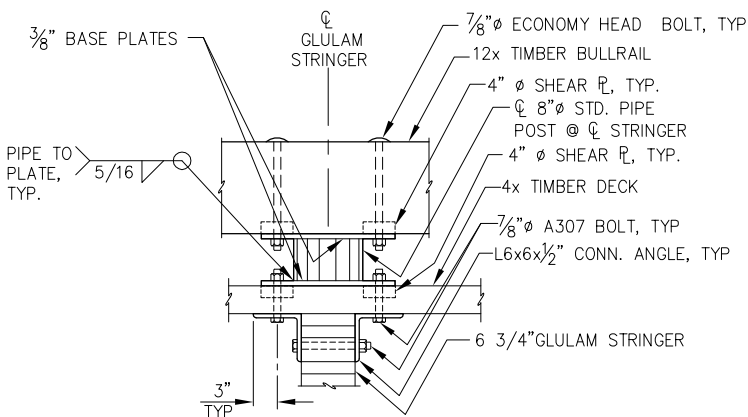
1/4" t BENT PLATE
2x TIMBER HANDRAIL
FIELD MITER AND APPLY CONSTRUCTION ADHESIVE ALONG HANDRAIL JOINT.
FIELD MITER AND BUTT WELD BENT PLATE AT INTERSECTION.



NOTE: OUTSIDE CORNER DETAIL SHOWN; INSIDE CORNER DETAIL SIMILAR.



NOTE: DETAILS NOT SHOWN SIMILAR TO DETAIL B.



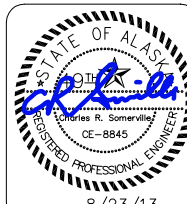
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DESIGN: MDS CHECKED: JLD
DRAWN: WRB/KLL APPROVED: CRS

SCALE:



**PORT OF JUNEAU
CRUISE SHIP BERTHS
CONTRACT NO. DH12-001**

SHEET TITLE:
**TYPICAL APPROACH DOCK
RAILING DETAILS**

PN&D PROJECT NO.: 102050.04 DWG. FILE:

S2.10
SHEET
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