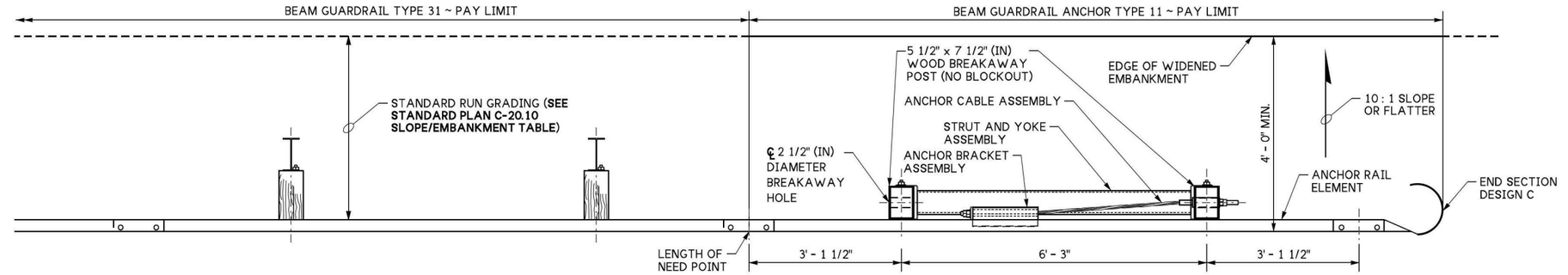
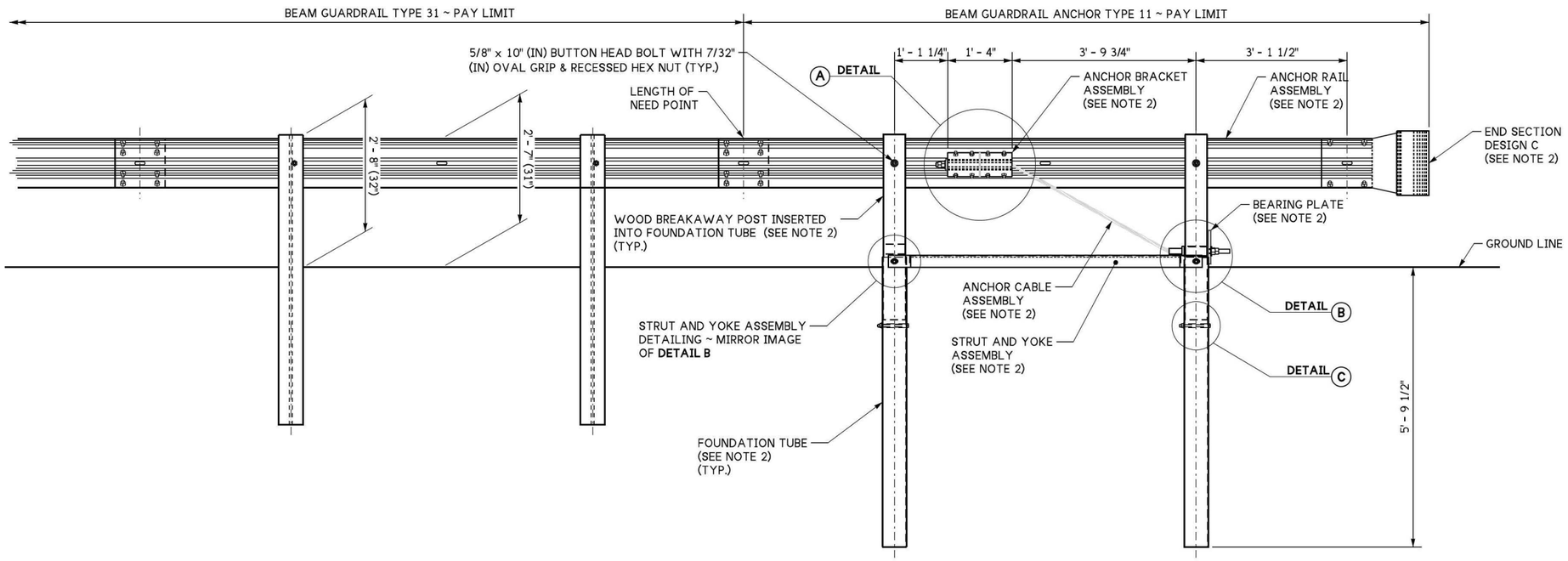
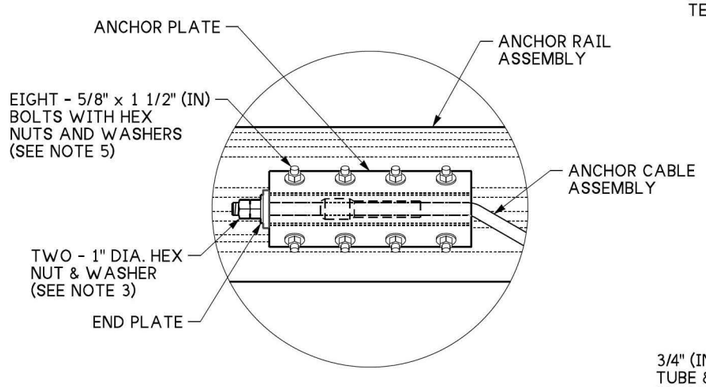


PLAN VIEW

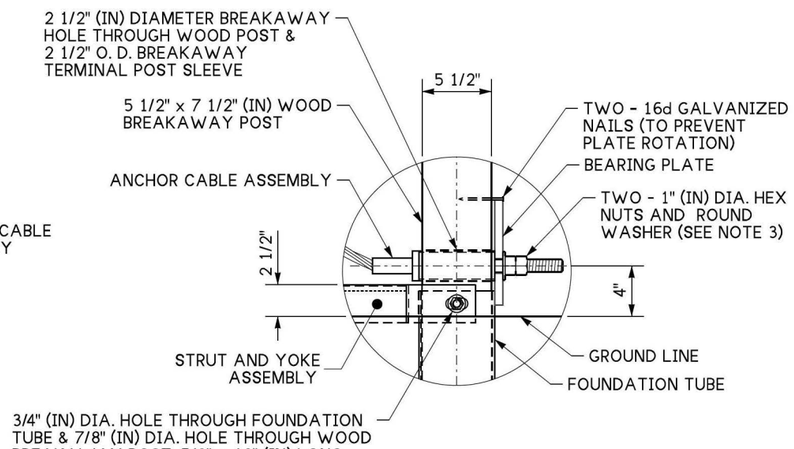


ELEVATION VIEW



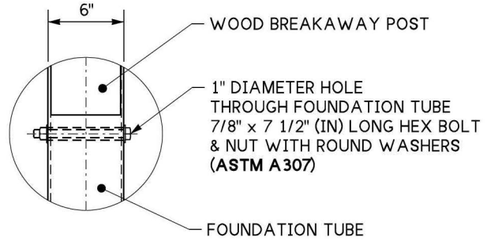
DETAIL A

ASSEMBLED ANCHOR BRACKET ASSEMBLY



DETAIL B

ANCHOR END POST ASSEMBLY



DETAIL C

NOTES

1. For typical rail element and post details not shown on this plan refer to **Standard Plans C-20.10** and **C-1b**.
2. For additional details not shown, see Sheet 2 of this Plan.
3. Fasten the Anchor Cable using two 1" (in) nuts and washer, at both ends of cable. Outside nut shall be torqued against inside nut a minimum of 100 ft.-lbs.
4. It is permissable to fabricate the anchor plate from 1/4" (in) thick plates welded to equal strength and dimensions as shown.
5. Eight 5/8" x 1 1/2" (in) machine bolts with hex nut and two washers each. Place one washer on each side of rail.
6. Galvanizing of Anchor metal components shall be in accordance with **Standard Specification Section 9-16.3(5).**
7. See **Standard Plans C-20.14** or **C-20.18** for placement of Type 11 Anchors in front of fixed features.

Aug 11, 2026

BEAM GUARDRAIL TYPE 31 ~ ANCHOR TYPE 11

STANDARD PLAN C-23.70-02

SHEET 1 OF 2 SHEETS

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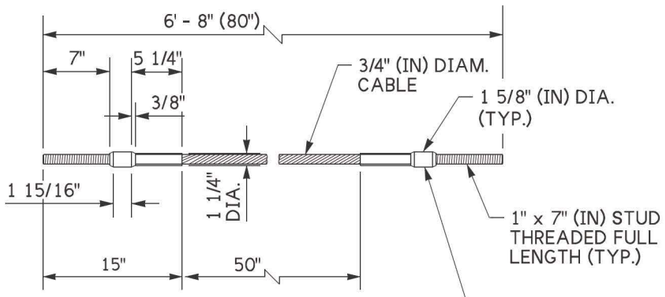
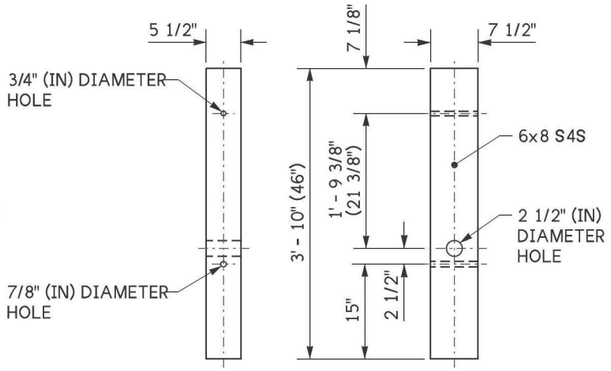
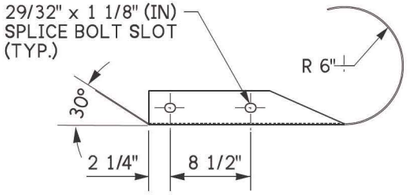


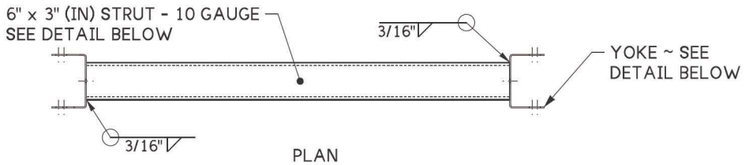
ANCHOR CABLE ASSEMBLY DETAIL



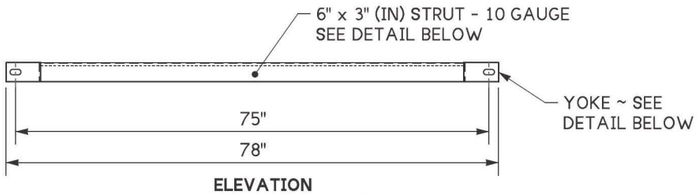
WOOD BREAKAWAY POST DETAIL

BREAKAWAY TERMINAL POST SLEEVE DETAIL
(ASTM A53 GRADE B, SCHEDULE 40)



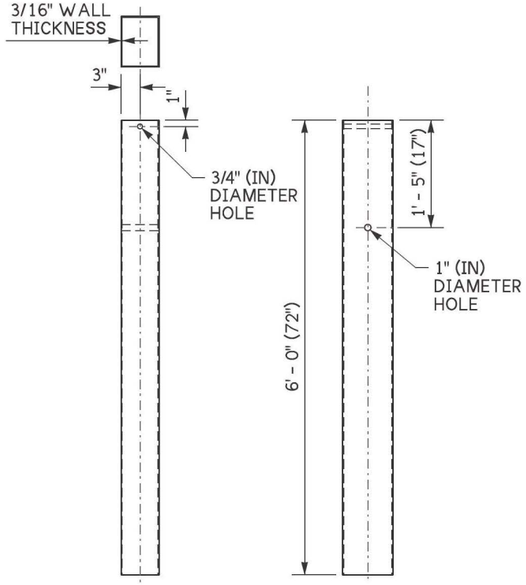


PLAN

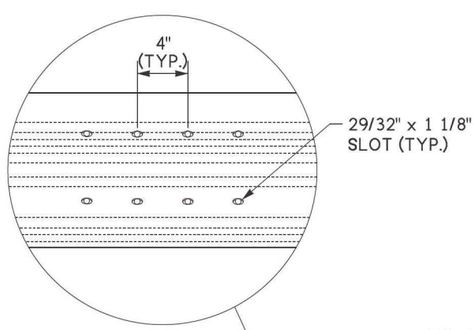


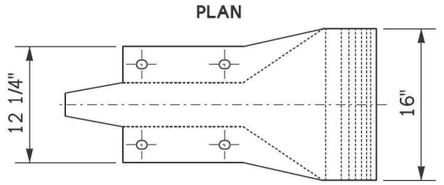
ELEVATION

STRUT AND YOKE ASSEMBLY
(ASTM A36)



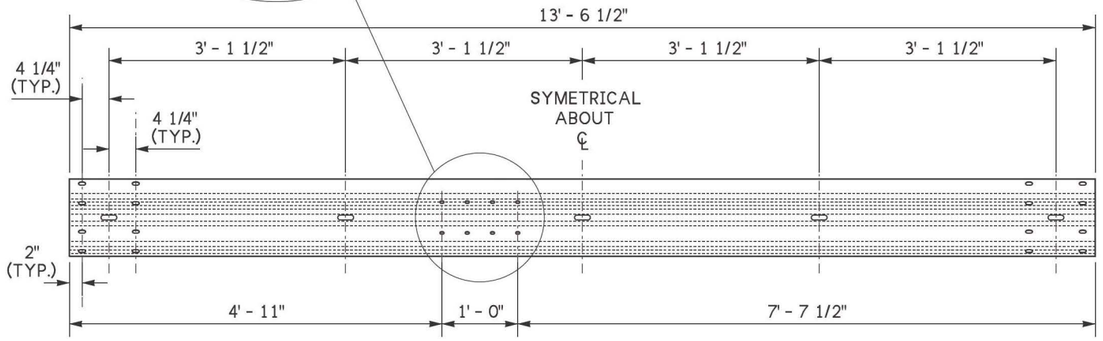
FOUNDATION TUBE DETAIL
(ASTM A500 GRADE B, STEEL)



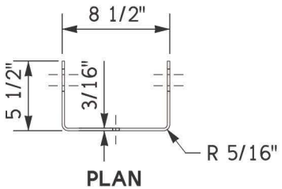


ELEVATION

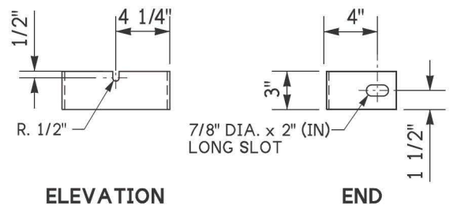
DESIGN C END SECTION



ANCHOR RAIL ELEMENT DETAIL

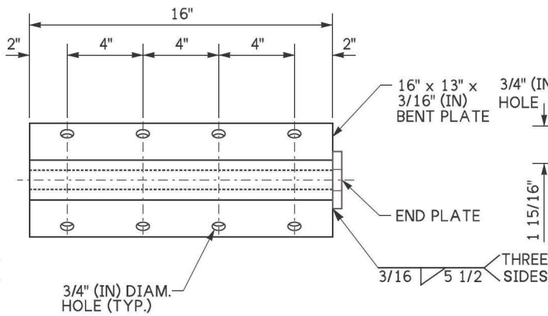


PLAN

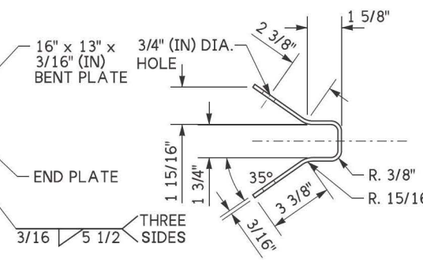


ELEVATION END

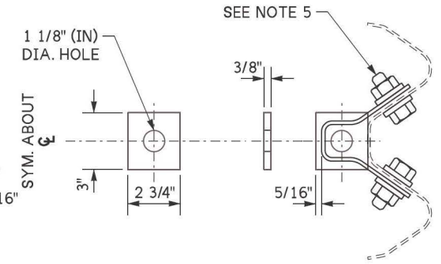
YOKE DETAIL



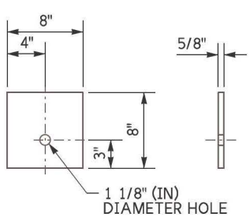
ANCHOR PLATE DETAIL
(SEE NOTE 4)
(ASTM A36)



ANCHOR BRACKET ASSEMBLY DETAIL



END PLATE DETAIL
(ASTM A36)



ELEVATION END

BEARING PLATE DETAIL
(ASTM A36)

Aug 11, 2026

BEAM GUARDRAIL TYPE 31 ~ ANCHOR TYPE 11

STANDARD PLAN C-23.70-02

SHEET 2 OF 2 SHEETS

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Mark A Dairs — Aug 12, 2026

STATE DESIGN ENGINEER

Washington State Department of Transportation