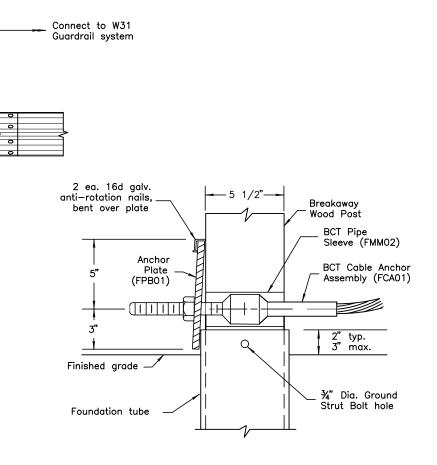
SHEET 1 of 2



- 1. All covered hardware must comply with Task Force 13 (TF13) Guide to Standardized Roadside Safety Hardware online publication. Designators are given in parenthesis, when possible.
- 2. End section bolts and nuts have the same material requirements as splice bolts.
- Foundation tube bolts are are 7/8" diameter ASTM A307 hex head. Foundation tube bolts require an ASTM A563 A nut and two ASTM F844 7/8" diameter flat washers. Install one washer under bolt head and one under nut.
- 4. Anchor bracket and strut bolts are are 5/8" diameter ASTM A307 hex head. Foundation tube bolts require ASTM A563 A nut and two ASTM F844 7/8" diameter flat washers. Install one washer under bolt head and one under nut.



W-Beam End Section

Breakaway

Wood Post

Foundation

tube bolt, typ.

W-Beam Rail, typ

W-Beam end section (RWE03a)

See Detail 1

31"+/- 1"

w/ bolt holes for anchor -bracket (RWM14a)

Anchor Bracket (FPA01)

Ground strut must be in

Foundation tube

ELEVATION

Breakaway Wood Post

(FCA01)

PLAN VIEW

BCT Anchor Cable

direct contact with the

ground surface.

Ground

strut bolt

Breakaway

Ground

Anchor Bracket

(FPA01)

strut bolt

Wood Post

Breakaway

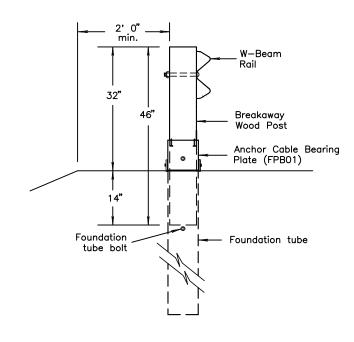
Wood Post

BCT Cable Anchor

Assembly (FCA01)

Ground Strut

DETAIL 1 (Ground strut not shown for clarity)



SECTION A-A

State of Alaska DOT&PF ALASKA STANDARD PLAN

W31 DOWNSTREAM END ANCHOR

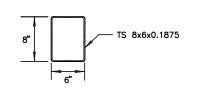
Adopted as an Alaska Standard Plan by: Carolyn Morehouse Carolyn Morehouse, P.E.

Chief Engineer

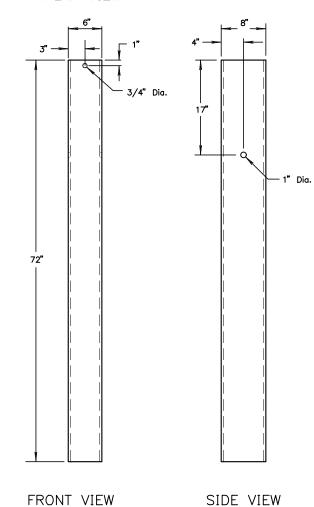
Adoption Date: 7/17/2020

Last Code and Stds. Review By: KLK Date: 7/8/2020

Next Code and Standards Review Date: 7/8/2030

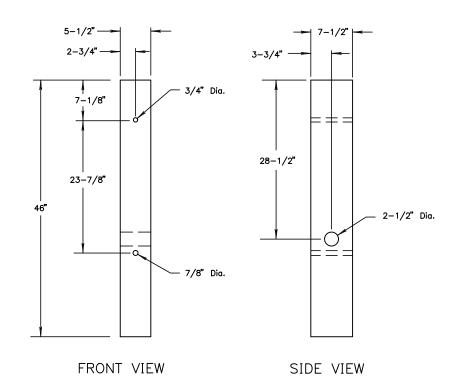


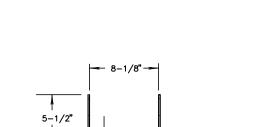
PLAN VIEW

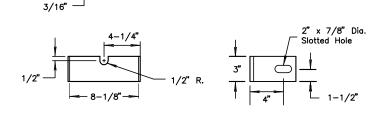


5-1/2" 7-1/2"

PLAN VIEW



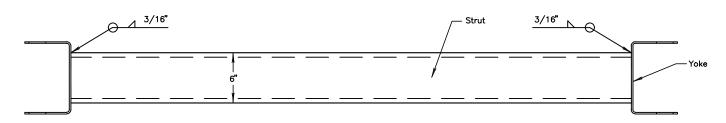




5/16" R, typ.

YOKE DETAIL

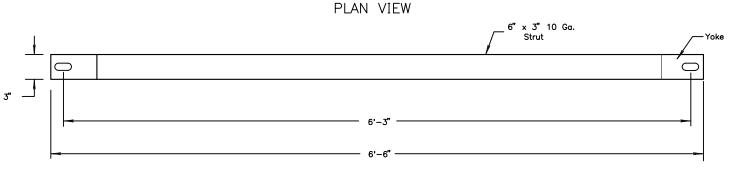
BREAKAWAY WOOD POST



FOUNDATION TUBE



GROUND STRUT SECTION



FRONT VIEW

GROUND STRUT DETAIL

CONSTRUCTION NOTES

 All covered hardware must comply with Task Force 13 (TF13) Guide to Standardized Roadside Safety Hardware online publication. Designators are given in parenthesis, when possible.

> State of Alaska DOT&PF ALASKA STANDARD PLAN

W31 DOWNSTREAM END ANCHOR

Adopted as an Alaska Carolyn Morshouse Standard Plan by:

Carolyn Morehouse, P.E. Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review By: KLK Date: 7/8/2020

Next Code and Standards Review Date: 7/8/2030