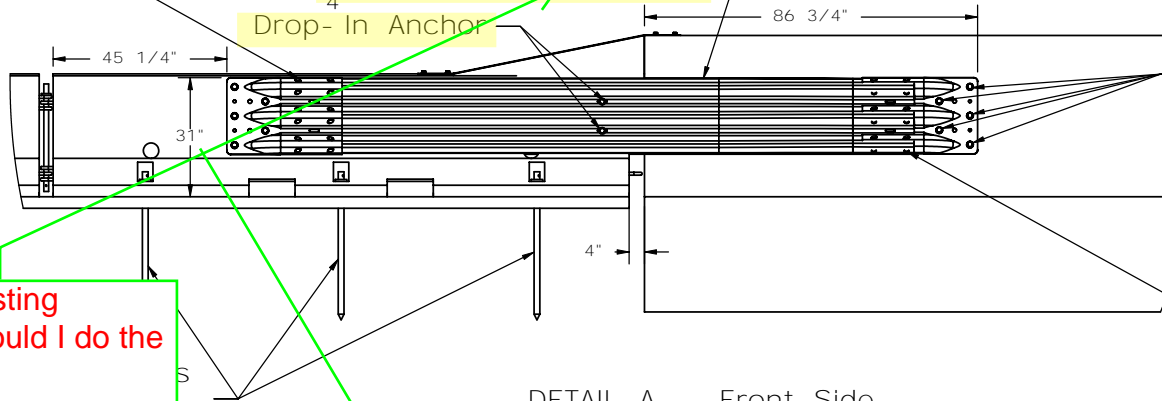


$\phi_{5/8}$ " UNC- 11 1.5x1.5
ASTM A307 Guardrail
Bolt (FBB01) with
Recessed Nut

$\phi_{3/4}$ " UNC- 10 1.75x1.75
Gr. 5 Hex Head or Button
Head Bolts with Washers
and $\frac{3}{4}$ " RedHead Multi- Set II
Drop- In Anchor

Front and back 12- gauge 12'- 6" section of
either two nested thrie beam sections or one
10- gauge thrie beam with end shoes

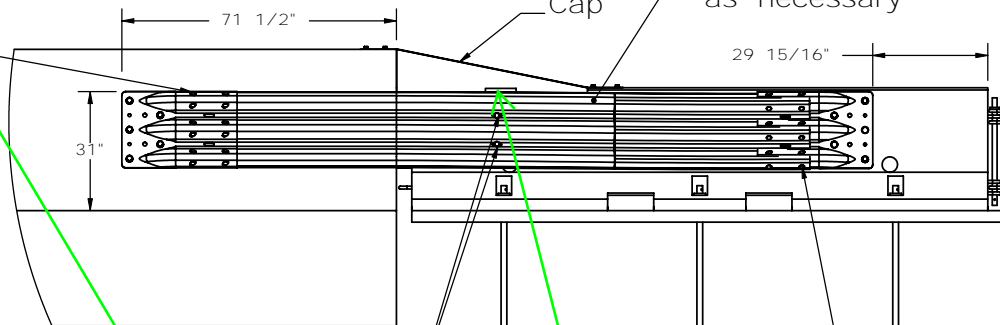


Five $\phi_{3/4}$ " x 6" long
Powers Fasteners
Wedge- Bolt Anchors
(typ.)

$\phi_{5/8}$ " UNC- 11 1.5x1.5 ASTM
A307 Guardrail Bolt (FBB01)
with Recessed Nut

DETAIL A - Front Side

11 1.5x1.5 ASTM A307
Bolt (FBB01)
Recessed Nut



$\phi_{3/4}$ " UNC- 10 5.5x5.5 Gr. 5
Hex Head or Button Head Bolts
with Washers and $\frac{3}{4}$ " RedHead
Multi- Set II Drop- In Anchor

$\phi_{5/8}$ " UNC- 11
ASTM A307
(FBB01) with
Recessed Nut

Wooden Block?

DETAIL A - Back Side

Instead of listing RedHead could I do the following:
Drop in anchor or equivalent connection with the following minimum strength requirements:
Tension 9,480 LBS
Shear 10,480 LBS

Is these values close to what is needed?

Do I need more information?

If the bolt is 3/4" shouldn't a 1" drop in anchor be used?

Similar problem to RedHead drop in anchor. Could I do the following:

Wedge bolt anchor or equivalent connection with the following minimum strength requirements:
Tension: 4,895 LBS
Shear: 5,635 LBS

Are these values close to what I need?

Do I need to spec. more information?

reinforcement not shown.

beam piece on non- impact side is offset

$15\frac{1}{4}$ " upstream to prevent interference from the anchors on opposing sides.

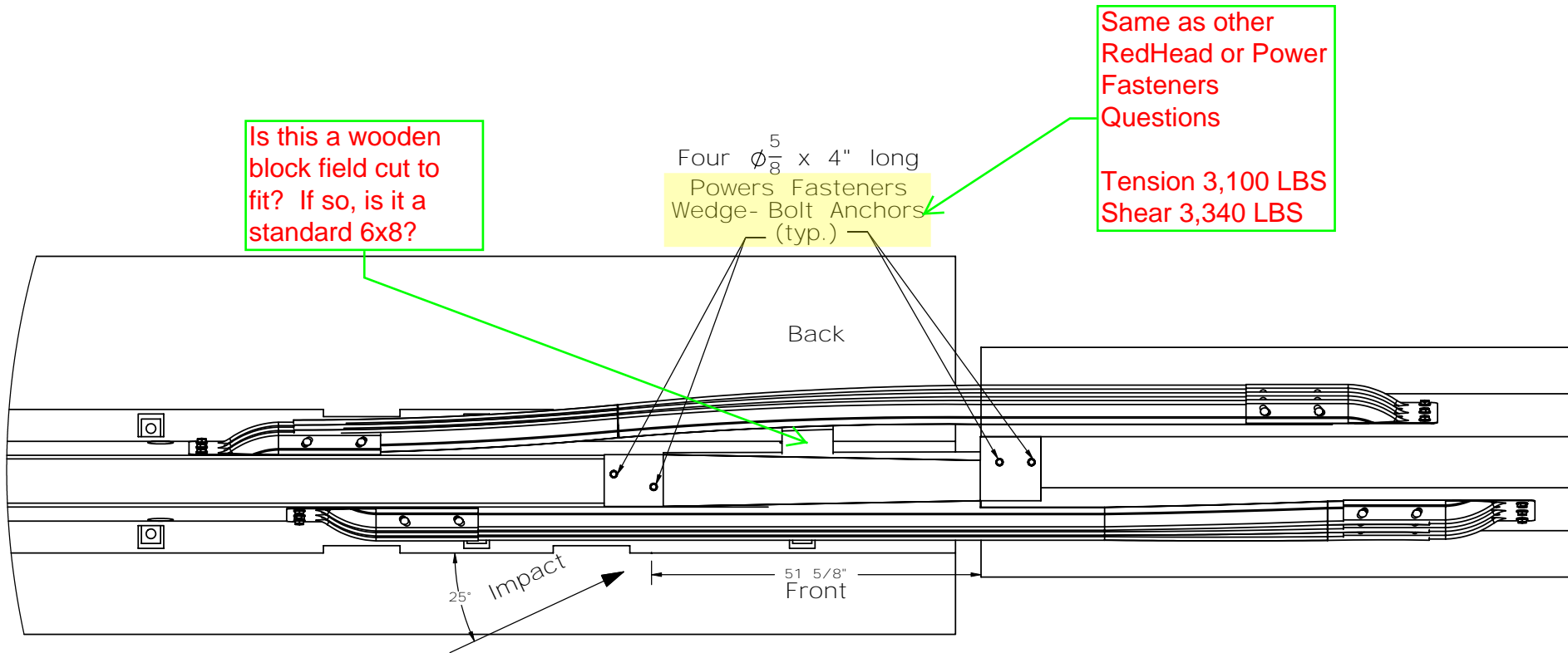


Midwest Roadside
Safety Facility

Temporary Barrier


Thrie Beam

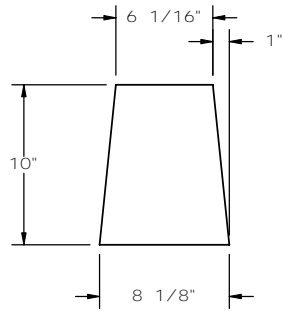
DWG. NAME:
TempBarrTransition_R1_TCBT



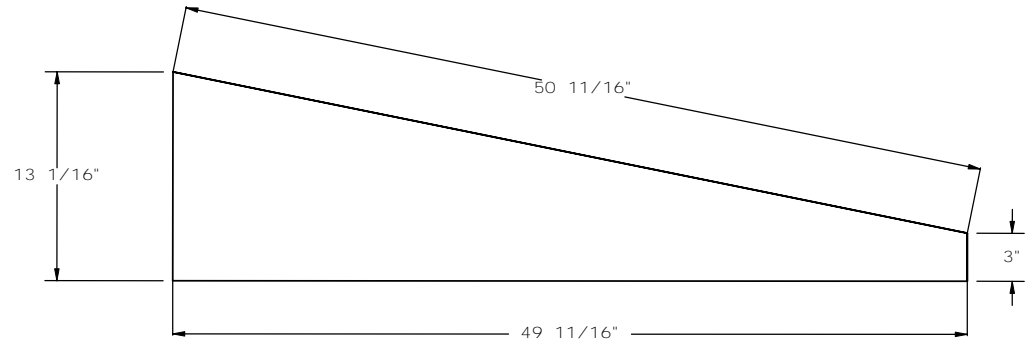
DETAIL B
SCALE 1 : 25

Note: (1) Cap end plate placed flush with upstream end of single slope barrier.

| | | | |
|--|---|------------------------------|---------------------|
|  Midwest Roadside Safety Facility | Temporary Barrier Transition Cap Anchoring Detail | | SHEET: 3 of 18 |
| | | | DATE: 3-30-08 |
| | | | DRAWN BY: RJT |
| DWG. NAME: TempBarrTransition_R1_TCBT- 2 | | SCALE: None UNITS: Inches | REV. BY: KAP/BWB |

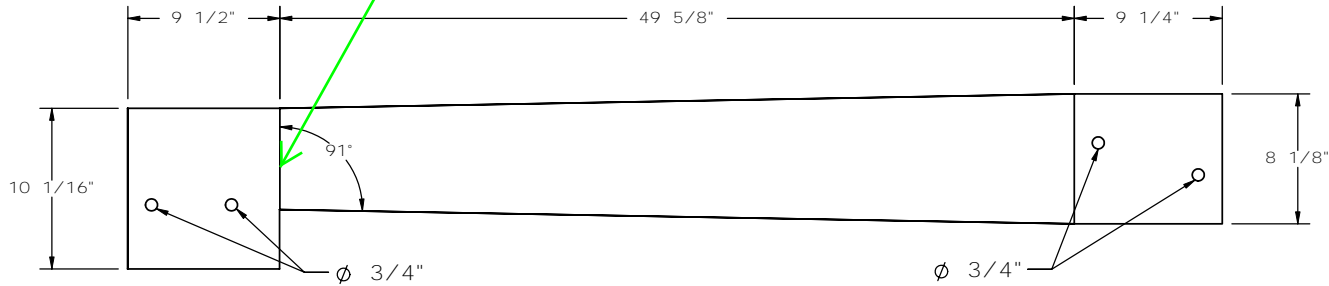


End Plate
12- Gauge
ASTM A36

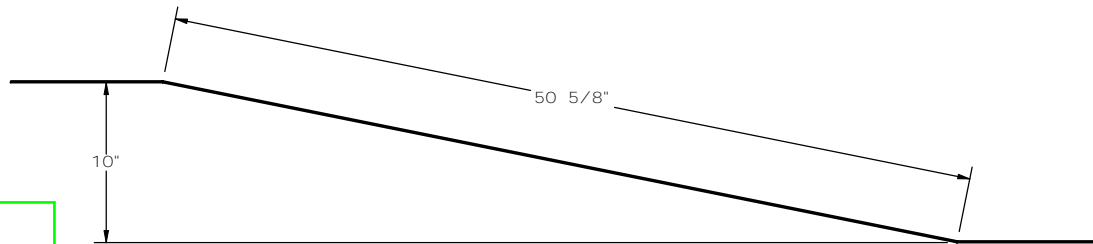


Side Plate
12- Gauge
ASTM A36

What is this dimension?



Top Plate
12- Gauge
ASTM A36



If going to a different height, use 9" or smaller spacing for gussets?



Midwest Roadside Safety Facility

| | | |
|---|------------------------------|---------------------|
| Temporary Barrier Transition | | SHEET: 15 of 18 |
| Cap Side, Top, and End Plates | | DATE: 3- 30- 08 |
| | | DRAWN BY: RJT |
| DWG. NAME: TempBarrTransition_R1_TCBT- 2 | SCALE: None UNITS: Inches | REV. BY: KAP/BWB |