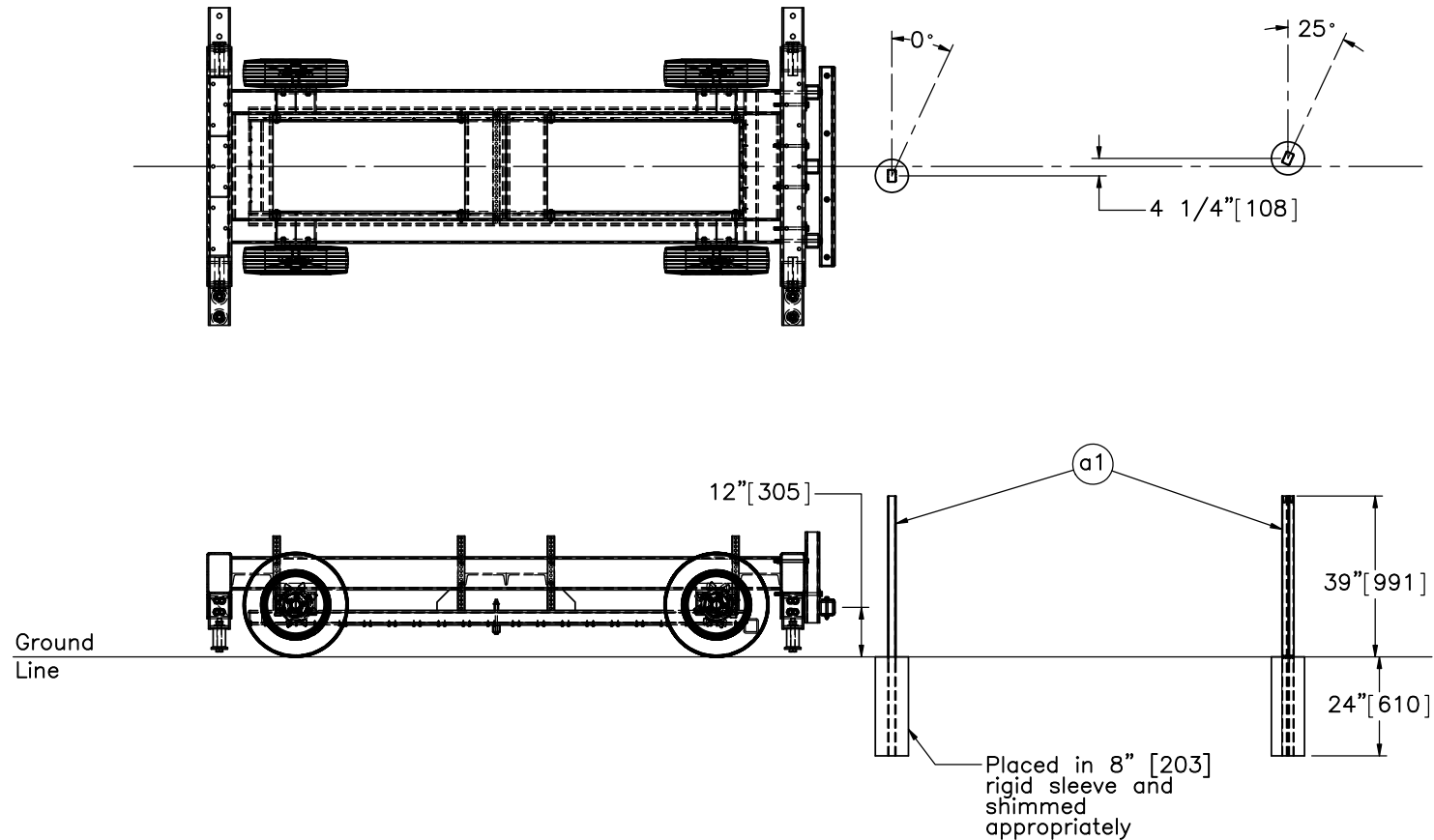


| Test Name | Impact Height<br>in. [mm] | Bogie No.       | Estimated Bogie Weight<br>lb [kg] | Bogie Speed<br>mph [km/h] |
|-----------|---------------------------|-----------------|-----------------------------------|---------------------------|
| CTPFP-1   | 12 [305]                  | 4 with floorpan | 2,400 [1,089]                     | 20 [32.2]                 |

0°=Weak Axis, 90°=Strong Axis



Notes: (1) Posts to be offset minimum 4-1/4" [108].

(2) Additional camera positioned for a zoomed-in view of the base of the post (holes).

(3) For bogie detail see drawing Bogie4\_Floorpan.



Midwest Roadside  
Safety Facility

Cable Median Barrier  
Post Testing  
Test No. CTPFP-1

Test Layout

DWG. NAME.  
CTPFP-1\_R1

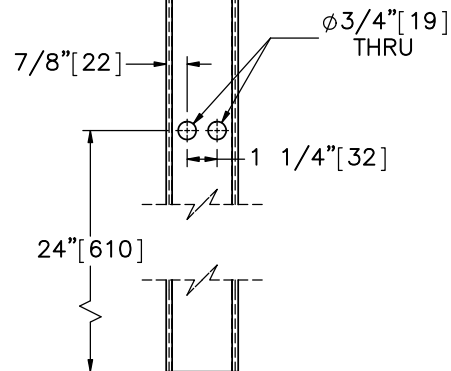
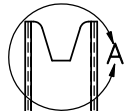
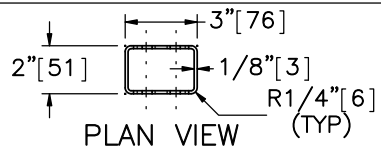
SCALE: 1:45  
UNITS: in.[mm]

SHEET:  
1 of 3

DATE:  
12/8/2017

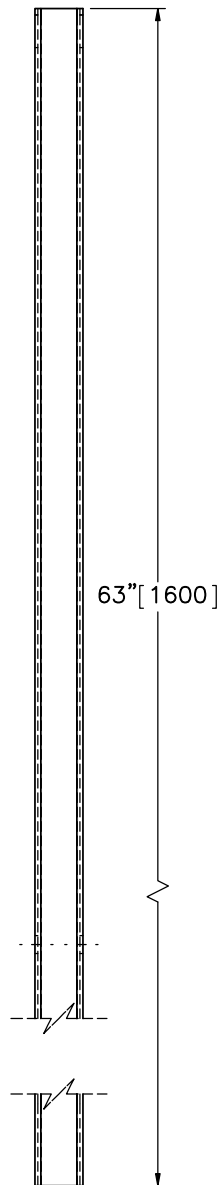
DRAWN BY:  
JEK

REV. BY:  
KAL

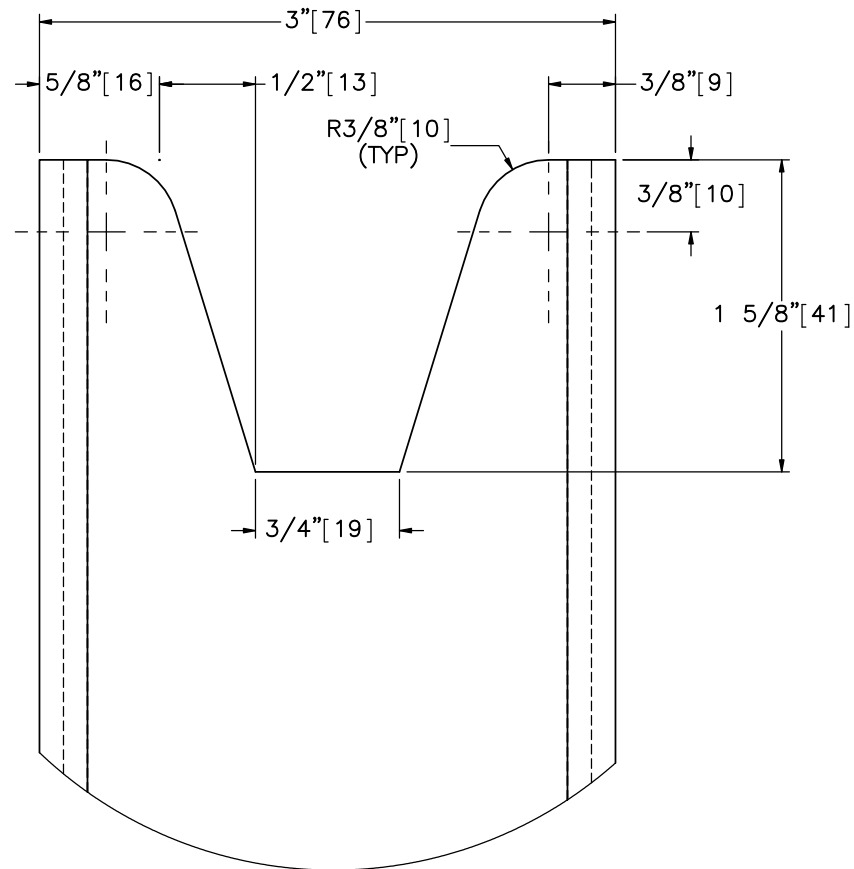


ELEVATION VIEW

Part a1



PROFILE VIEW



DETAIL A  
SCALE 1 : 1



Midwest Roadside  
Safety Facility

Cable Median Barrier  
Post Testing  
Test No. CTPFP-1

Post Details

DWG. NAME.  
CTPFP-1\_R1

SCALE: 1:8  
UNITS: In.[mm]

SHEET:  
2 of 3

DATE:  
12/8/2017

DRAWN BY:  
JEK

REV. BY:  
KAL

| Item No. | QTY. | Description                                                                | Material Specification | Treatment Specification | Hardware Guide |
|----------|------|----------------------------------------------------------------------------|------------------------|-------------------------|----------------|
| a1       | 2    | HSS 3x2x1/8 [76x51x3] 63" [1,600] Long Steel Post with two 3/4" [19] holes | ASTM A500 Gr. C**      | ASTM A123*              | —              |

\* Component does not need to be galvanized for testing purposes.

\*\* ASTM A500 Gr. B may be used if material cert shows that the min. elongation, tensile strength, and yield strength meet ASTM A500 Gr. C. (Min. elongation: 21%, Tensile strength: 62 ksi [427 MPa], Yield strength: 50 ksi [345 MPa])



Midwest Roadside  
Safety Facility

Cable Median Barrier  
Post Testing  
Test No. CTPFP-1

Bill of Materials

DWG. NAME.  
CTPFP-1\_R1

SCALE: None  
UNITS: In.[mm]

SHEET:  
3 of 3  
DATE:  
12/8/2017  
DRAWN BY:  
JEK  
REV. BY:  
KAL

| REV. | DATE OF ISSUE | Page | NATURE OF CHANGES                                                                  | REVIEWER | REVISED BY |
|------|---------------|------|------------------------------------------------------------------------------------|----------|------------|
| 0    | 12/7/2017     | –    | Created from Floor_Pan_Test_26_R3. Post Replaced. Table edits. Convention updates. | –        | JEK        |
| 1    | 12/8/2017     | –    | Speed change. Post notch added.                                                    | KAL      | JEK        |
|      |               | 1    | Speed changed from 25 to 20 mph. Metric equivalent added.                          |          |            |
|      |               | 2    | Post notch and detail added.                                                       |          |            |