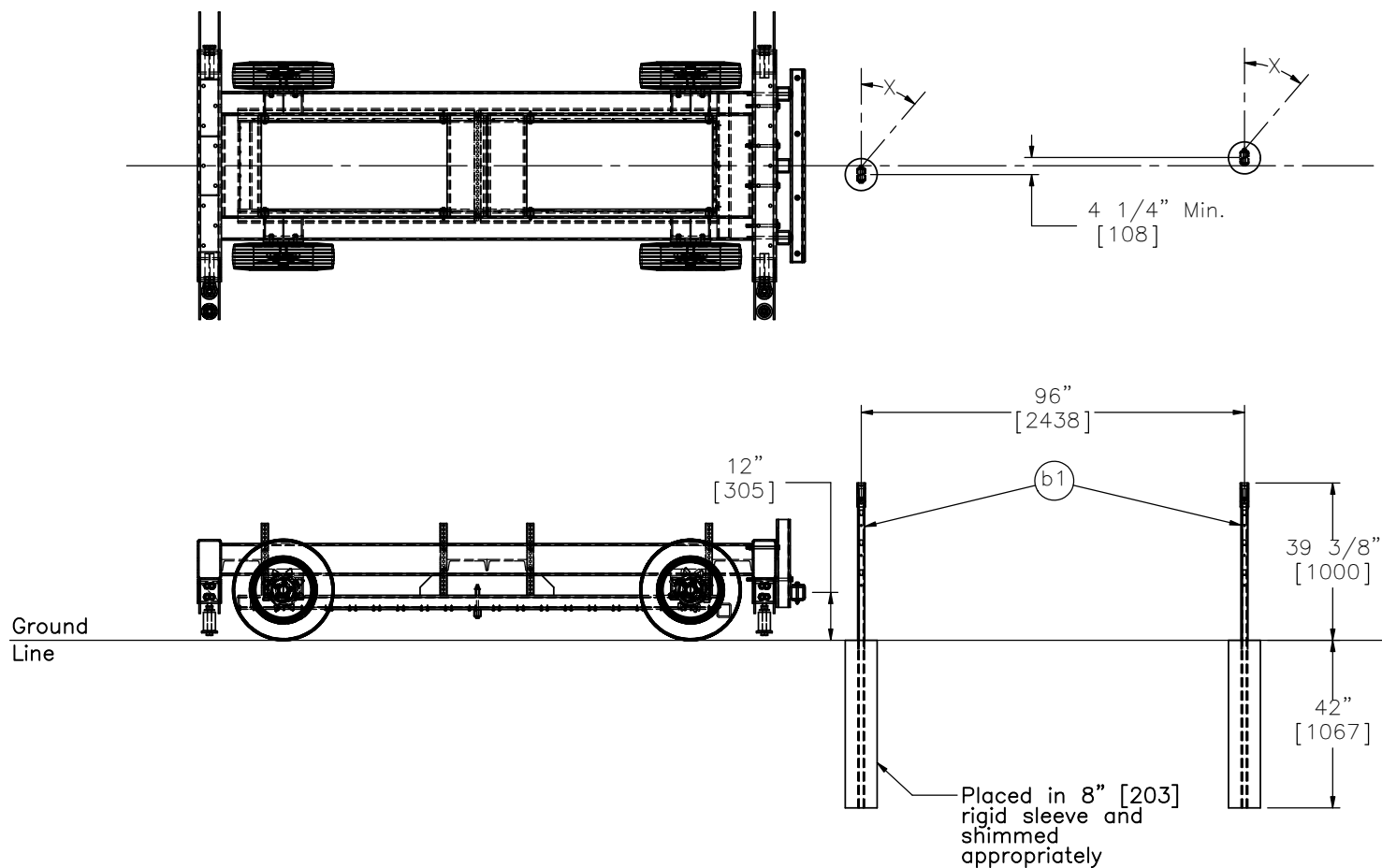


Test Name	Impact Height in. [mm]	Bogie No.	Estimated Bogie Weight (lb)	Bogie Speed (mph)	Post Orientation (degree) (X)*	Post Specimen
MWPFP-26	12 [305]	4 with floorpan	2400	25	-25	b1

*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 Post – Midwest
Weak Post

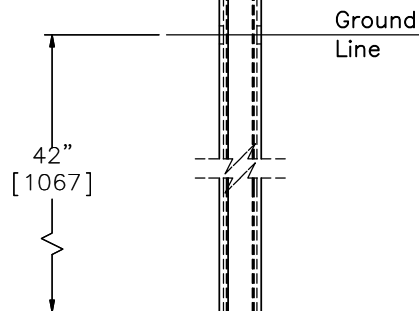
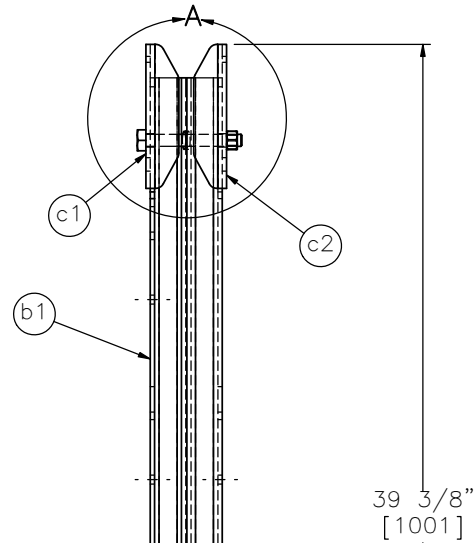
Test MWPFP-26 Layout

DWG. NAME.
Floor_Pan_Test_26_R4

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

SHEET:
1 of 6
DATE:
2/28/2018
DRAWN BY:
TJD/JEK
REV. BY:
KAL/MP

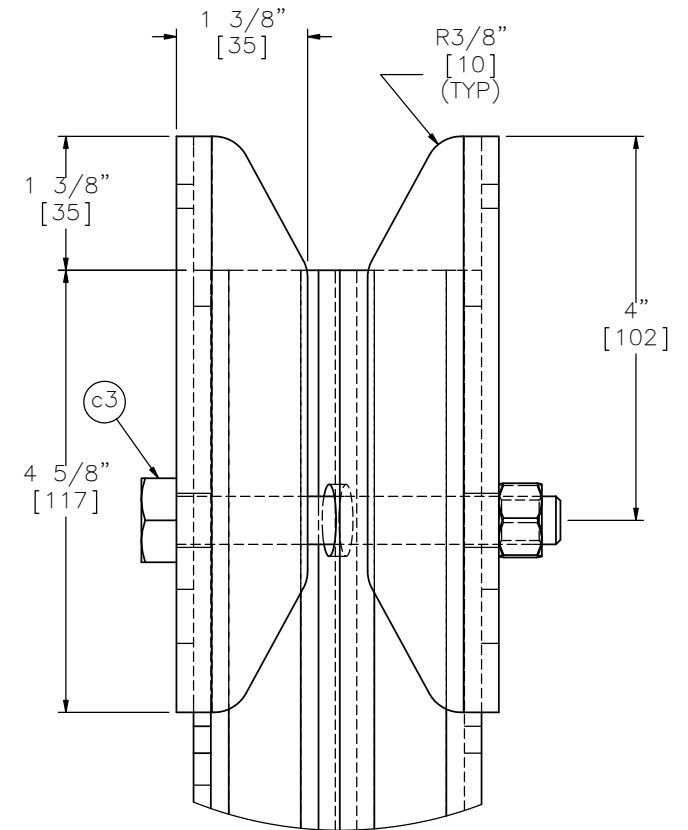
PLAN VIEW



ELEVATION VIEW

Post Assembly

PROFILE VIEW



DETAIL A
SCALE 1 : 2



Midwest Roadside
Safety Facility

Cable Post — Midwest
Weak Post

MWP with Steel Cap and
Weakening Holes

DWG. NAME:
Floor_Pan_Test_26_R4

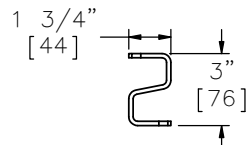
SCALE: 1:8
UNITS: In./mm

SHEET:
2 of 6

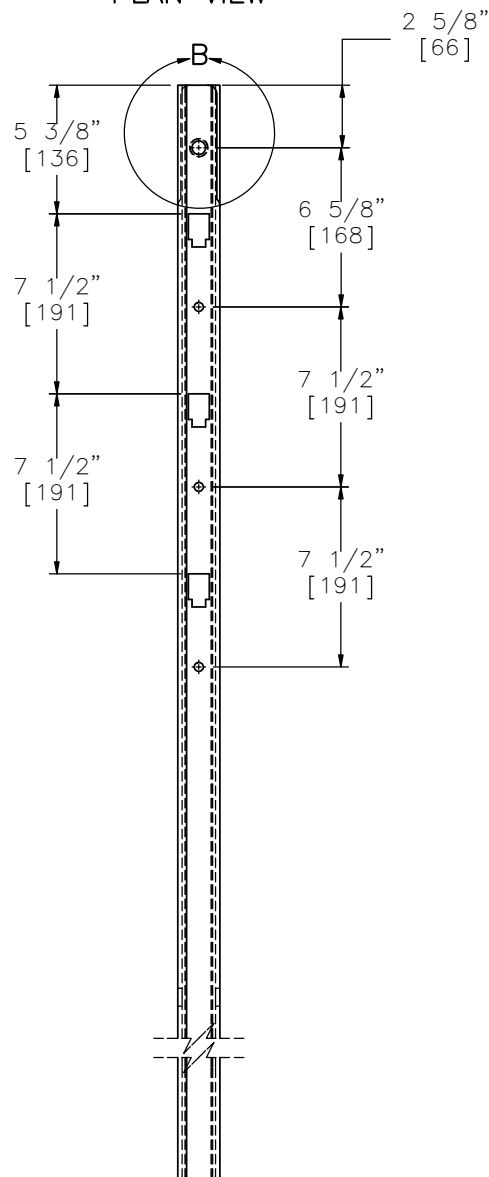
DATE:
2/28/2018

DRAWN BY:
TJD/JEK

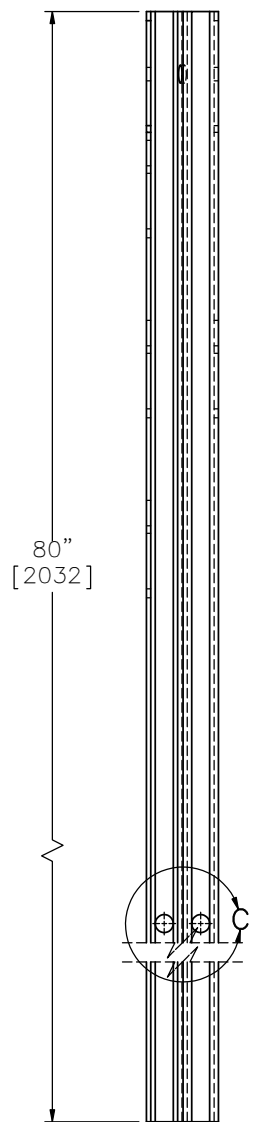
REV. BY:
KAL/MP



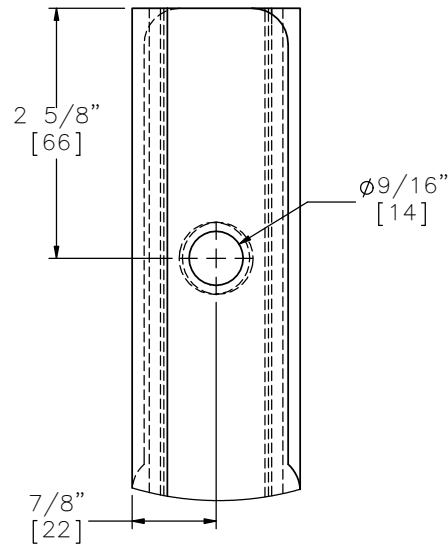
PLAN VIEW



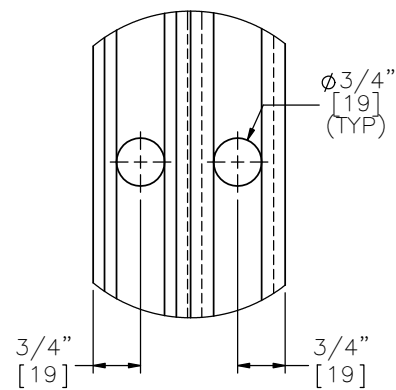
ELEVATION VIEW



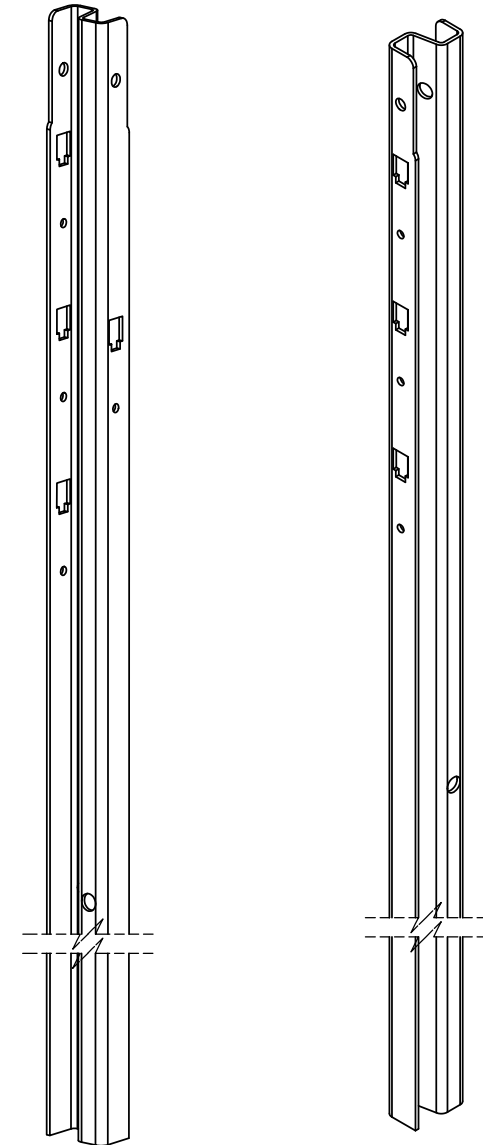
PROFILE VIEW



DETAIL B
SCALE 1 : 2



DETAIL C
SCALE 1 : 3



ISOMETRIC VIEW

Part b1



Midwest Roadside
Safety Facility

Cable Post — Midwest
Weak Post

MWP with Weakening Holes
Details

DWG. NAME.
Floor_Pan_Test_26_R4

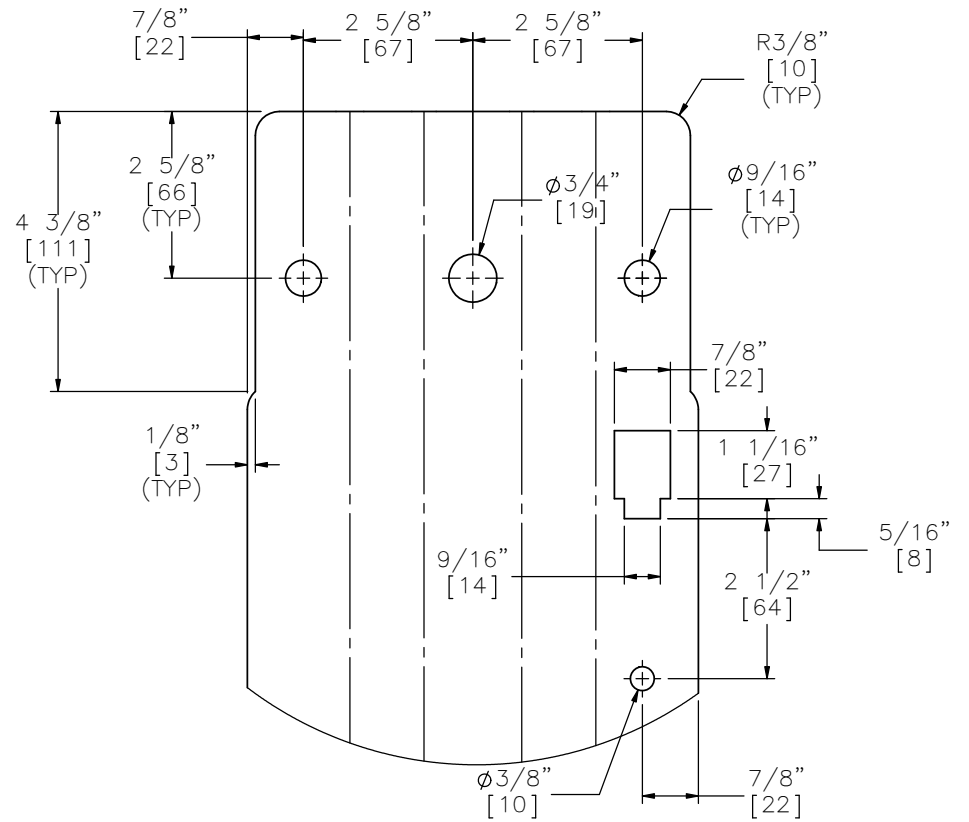
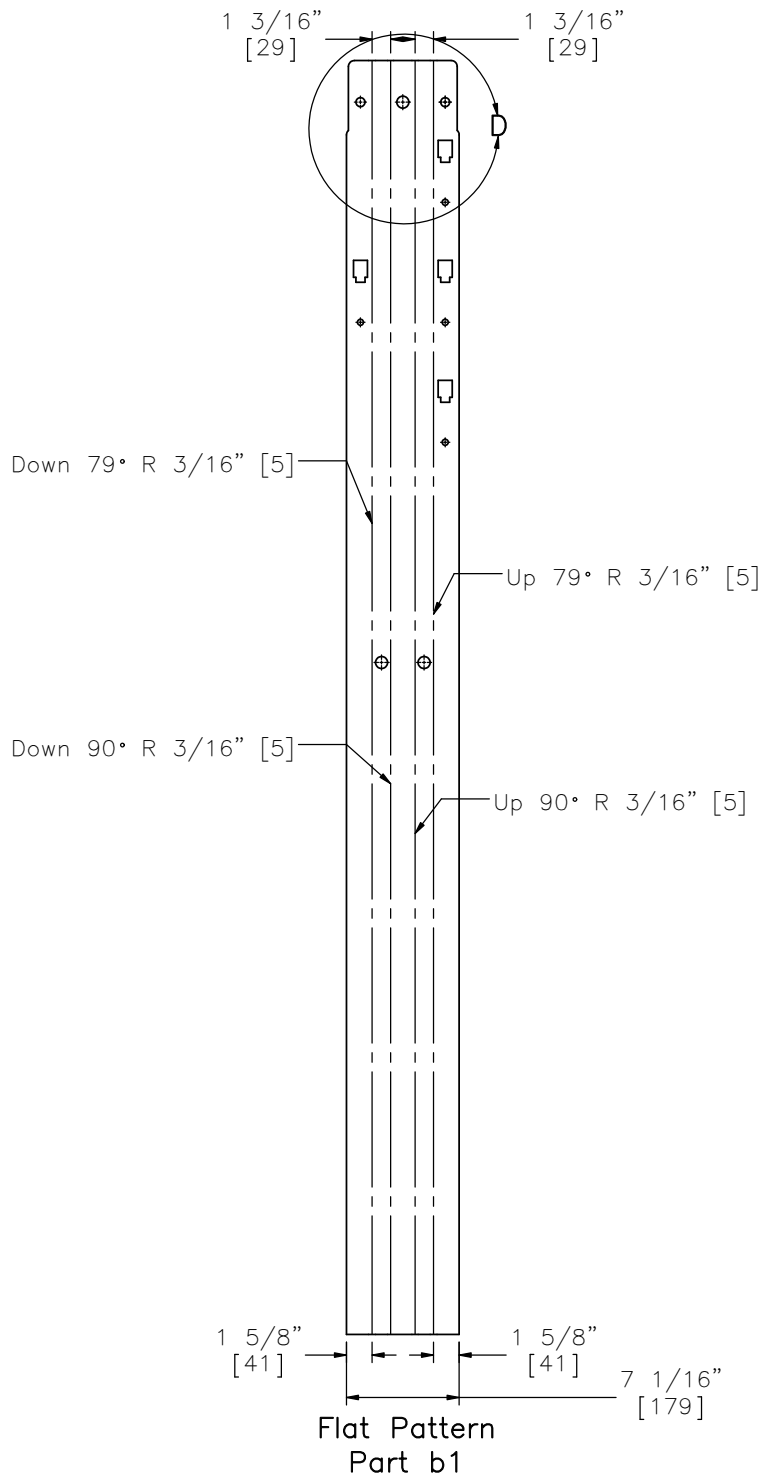
SCALE: 1:8
UNITS: In./mm

SHEET:
3 of 6

DATE:
2/28/2018

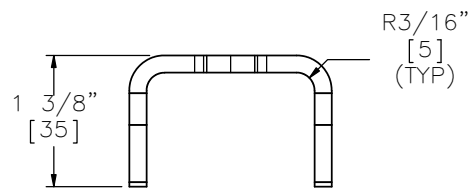
DRAWN BY:
TJD/JEK

REV. BY:
KAL/MP

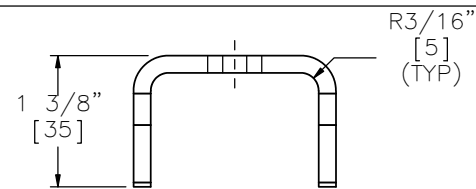


DETAIL D
SCALE 1 : 3

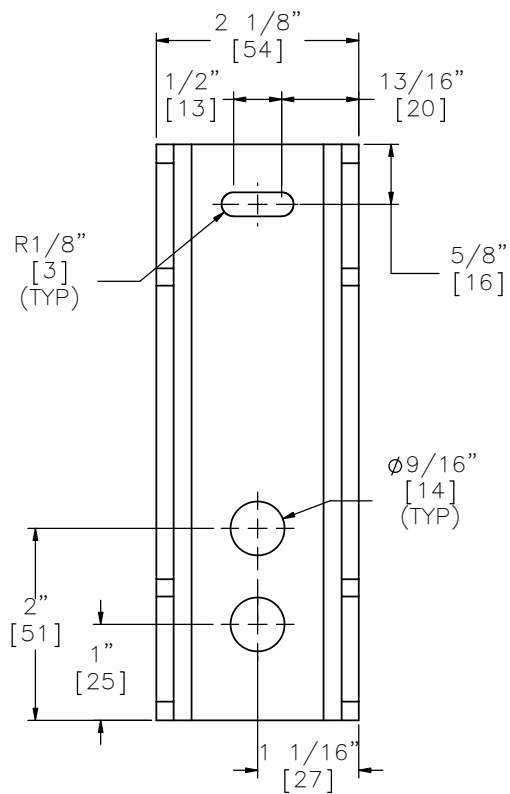
	Cable Post — Midwest Weak Post		SHEET: 4 of 6
	DATE: 2/28/2018		DRAWN BY: TJD/JEK
Midwest Roadside Safety Facility	MWP Flat Pattern Details		REV. BY: KAL/MP
	DWG. NAME: Floor_Pan_Test_26_R4	SCALE: 1:12 UNITS: In./mm	



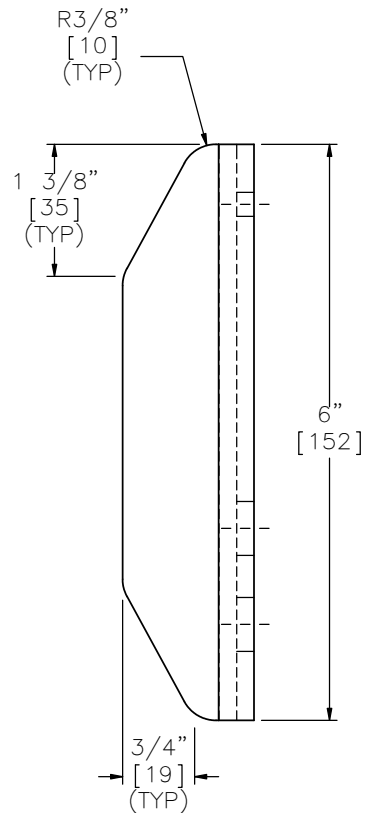
PLAN VIEW



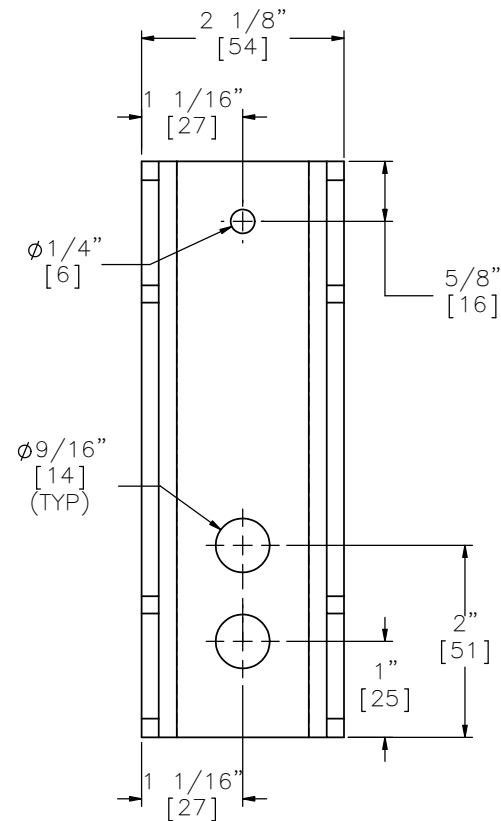
PLAN VIEW



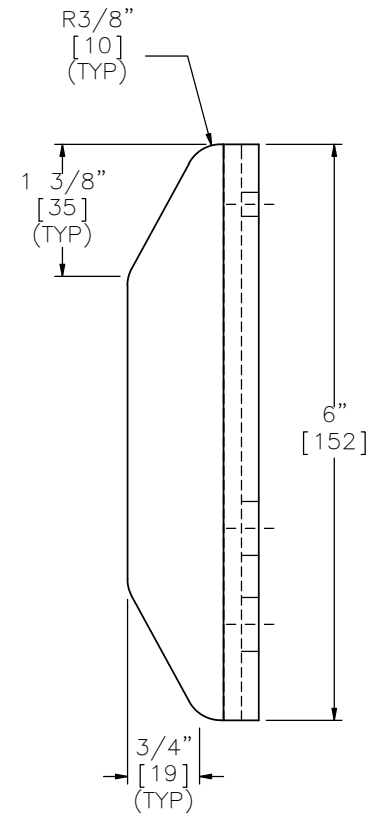
ELEVATION VIEW



PROFILE VIEW



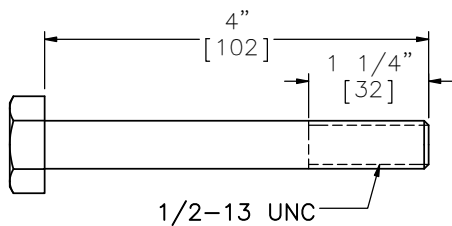
ELEVATION VIEW



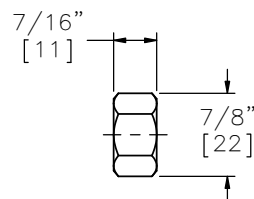
PROFILE VIEW

Part c1

Part c2



Part c3



Midwest Roadside
Safety Facility

Cable Post — Midwest
Weak Post

Steel Cap Details

DWG. NAME:
Floor_Pan_Test_26_R4

SCALE: 1:2
UNITS: In./mm

SHEET:
5 of 6
DATE:
2/28/2018
DRAWN BY:
TJD/JEK
REV. BY:
KAL/MP

Item No.	QTY.	Description	Material Specification
b1	2	3"x1-3/4"x7 Gauge [76x44x4.6] x 79 5/8" [2022] Long Bent Z-Section Post with 3/4" [19] Dia. Weakening Holes	Hot-Rolled ASTM A1011 HSLA Gr. 50
c1	2	2 1/8"x1 3/8"x7 Gauge [54x35x4.6] x 6" [152] Long Bent Steel Plate	Hot-Rolled ASTM A1011 HSLA Gr. 50
c2	2	2 1/8"x1 3/8"x7 Gauge [54x35x4.6] x 6" [152] Long Bent Steel Plate	Hot-Rolled ASTM A1011 HSLA Gr. 50
c3	2	1/2" [13] Dia. UNC x 4" [102] Long Hex Bolt and Nut	Bolt ASTM A449 or ASTM A325/Nut ASTM A563 DH



Midwest Roadside
Safety Facility

Cable Post — Midwest
Weak Post

Bill of Materials

DWG. NAME.
Floor_Pan_Test_26_R4

SCALE: None
UNITS: In.[mm]

SHEET:
6 of 6
DATE:
2/28/2018
DRAWN BY:
TJD/JEK
REV. BY:
KAL/MP

REV.	DATE OF ISSUE	Page	NATURE OF CHANGES	REVIEWER	REVISED BY
0	5/13/2016		Drawing created from Floor Pan Test 23	–	TJD
1	5/23/2016	1	Note edit. Changed auger to concrete sleeve.	KAL	TJD
2	5/25/2016	1	Added concrete sleeve diameter.	KAL	TJD
		2	Changed sheet name.		
		3	Changed sheet name.		
		4	Changed sheet name.		
		5	Changed sheet name. Changed location of bolt hole in post cap.		
		6	Changed sheet scale. Removed hardware guide column.		
3	5/26/2016	2	Changed sheet name.	KAL	TJD
		3	Changed sheet name.		
4	2/28/2018	1	Dim add.	MP	JEK