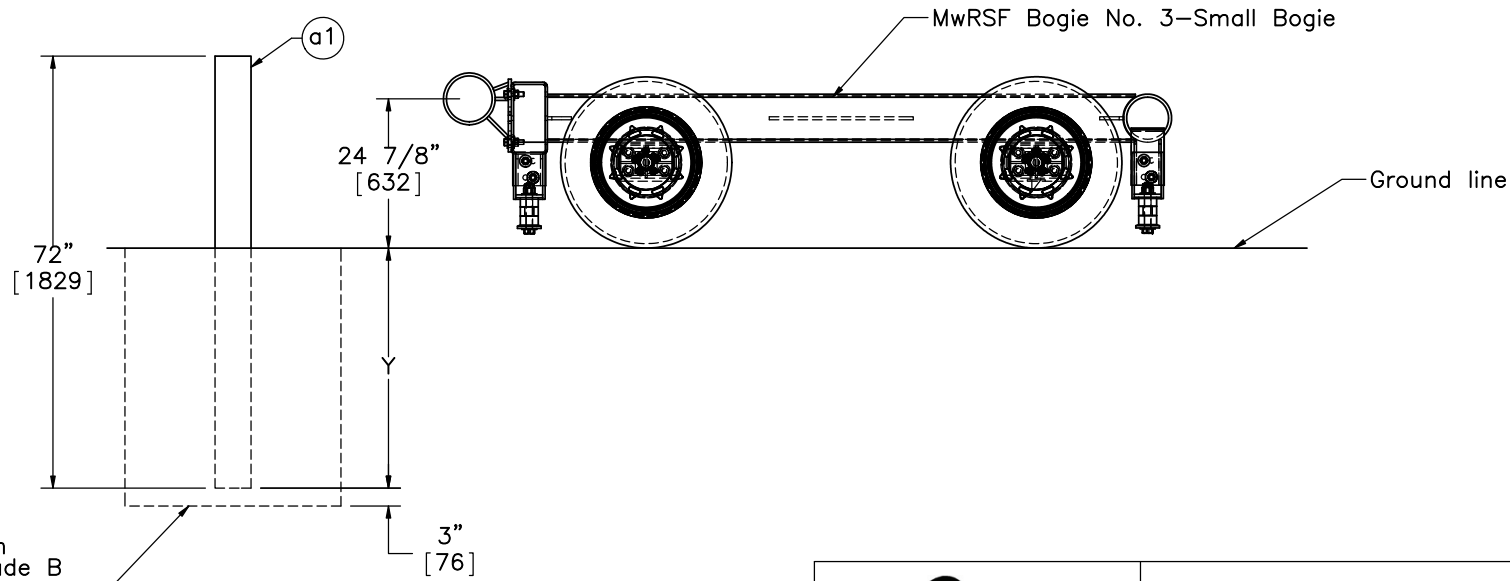
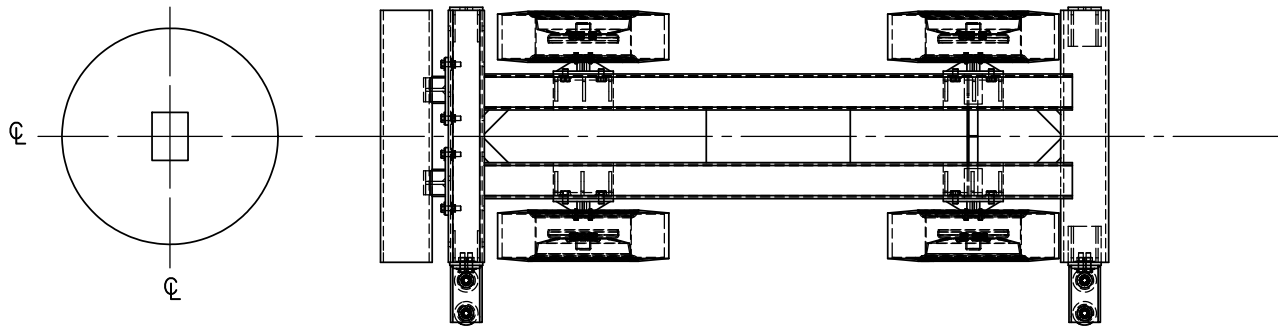


Test Quantity	Post Type	Load Height in. [mm]	Embedment Depth 'Y' in. [mm]	Hole Diameter 'X' ft. [mm]	Bogie No.	Impact Speed mph [km/h]
1	6"x8" [152x203]	24 7/8 [632]	40 [1016]	3 [914]	3	20 [32.2]
1	6"x8" [152x203]	24 7/8 [632]	30 [762]	3 [914]	3	20 [32.2]
1	6"x8" [152x203]	24 7/8 [632]	34 [864]	3 [914]	3	20 [32.2]
1	6"x8" [152x203]	24 7/8 [632]	37 [940]	3 [914]	3	20 [32.2]



'X' Diameter Augered hole with AASHTO M147-65 Grade B compacted soil or acceptable alternative

- Notes: (1) If the post rotates in soil without fracturing, conduct another test at that embedment. If post fractures, reduce the embedment depth to the next decided upon embedment.
- (2) The embedment depth increment change may be altered, pending the test results. Results will be discussed before next test is conducted.

Midwest Roadside Safety Facility

MATC Weak-Axis Impacts

6"x8" SYP Weak-Axis Bogie Testing

DWG. NAME: MATC_SYPWeakAxisImpact_R3

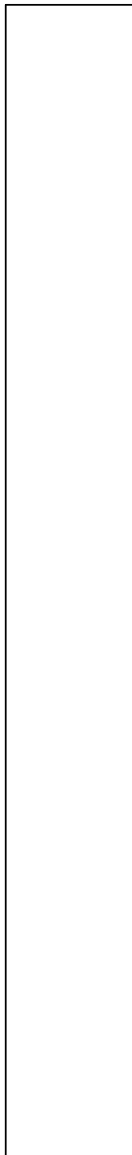
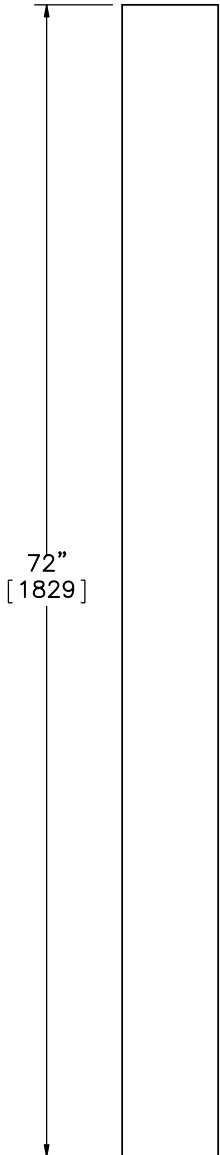
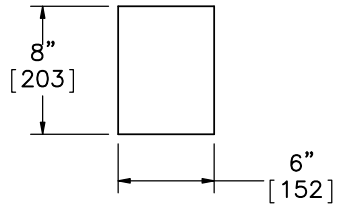
SCALE: 1:32
UNITS: in.[mm]

SHEET: 1 of 2

DATE: 9/30/2014

DRAWN BY: SDB/JEK

REV. BY: KAL



Item No.	QTY.	Description	Material Spec	Hardware Guide
a1	4	6"x8" [152x203], 72" [1829] Long Wood Post	SYP Grade No. 2 or better	PDE02

Part a1



Midwest Roadside
Safety Facility

MATC Weak-Axis Impacts

Post Details

DWG. NAME:
MATC_SYPWeakAxisImpact_R3

SCALE: 1:12
UNITS: in.[mm]

SHEET:
2 of 2

DATE:
9/30/2014

DRAWN BY:
SDB/JEK

REV. BY:
KAL

REV.	DATE OF ISSUE	Page	NATURE OF CHANGES	REVISED BY
R0	11/11/2013	-	Drawing derived from MATC_WeakAxisImpacts_R0. Post changed to 6x8 SYP.	SDB
R1	6/16/2014	1	"Hole Diameter" column and 'X' variable added. General dimension correction. Test quantity corrected.	KLK
R2	9/2/2014	1	Test added. Embedment depth and hole diameter corrected on second test. Embedment depth and hole diameter added on third test. Test quantity (3rd test) corrected.	JEK
R3	9/30/2014	1	Metric conversions on embedment depth corrected. General dimension changes. General grammar changes.	JEK