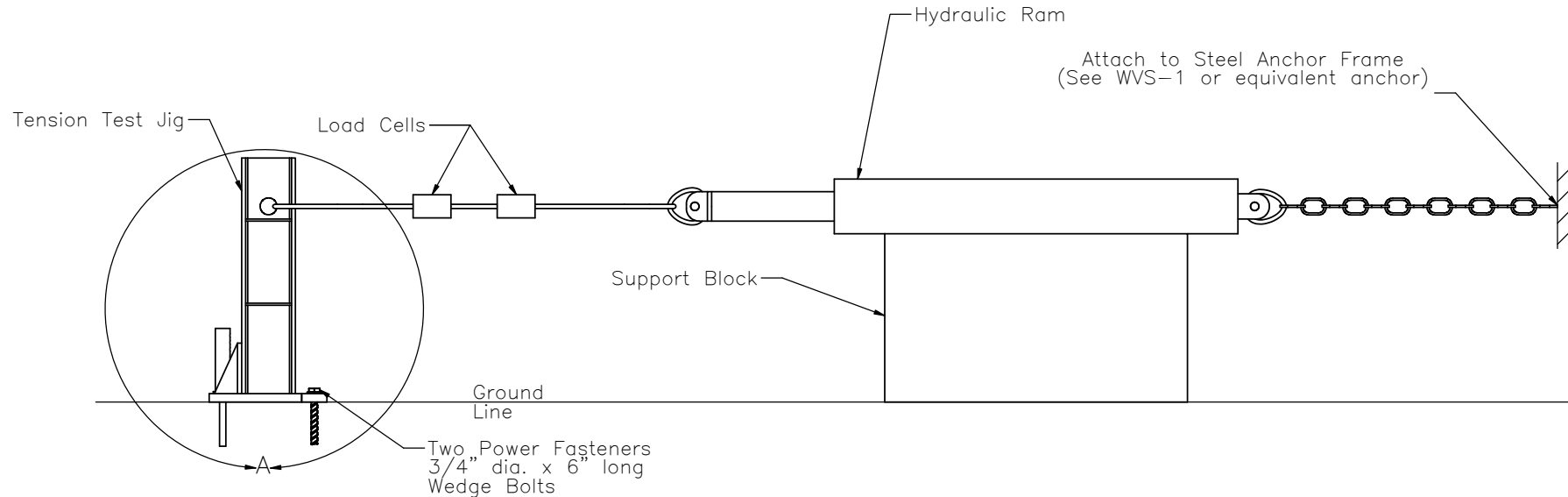


Epoxy Anchor Rebar Static Testing–Tensile Test Setup

1. Hydraulic Ram
2. One high–speed digital camera perpendicular
3. One high–speed digital camera perpendicular zoomed in on the tensile test jig and rebar.
4. JVC digital video
5. Two Load Cells
6. Note any installation issues or problems in fieldbook.
7. Note failure mode in fieldbook.
8. Each test must be at least 2' from any previous test anchor holes to prevent anchor spacing and edge spacing issues from affecting results.
9. Kick plate anchors must be replaced each test.
10. Before installation of anchors, measure the bar deformation rib height.
11. Anchors must be installed while the concrete temperature remains above 45° during curing time for the epoxy. If required, heat the concrete to the desired temperature.
12. Anchors are to be installed in same concrete slabs as used in test nos. WEAB 1–15.
13. Epoxy used for fourth round of testing will be Hilti HIT–RE 500–SD.



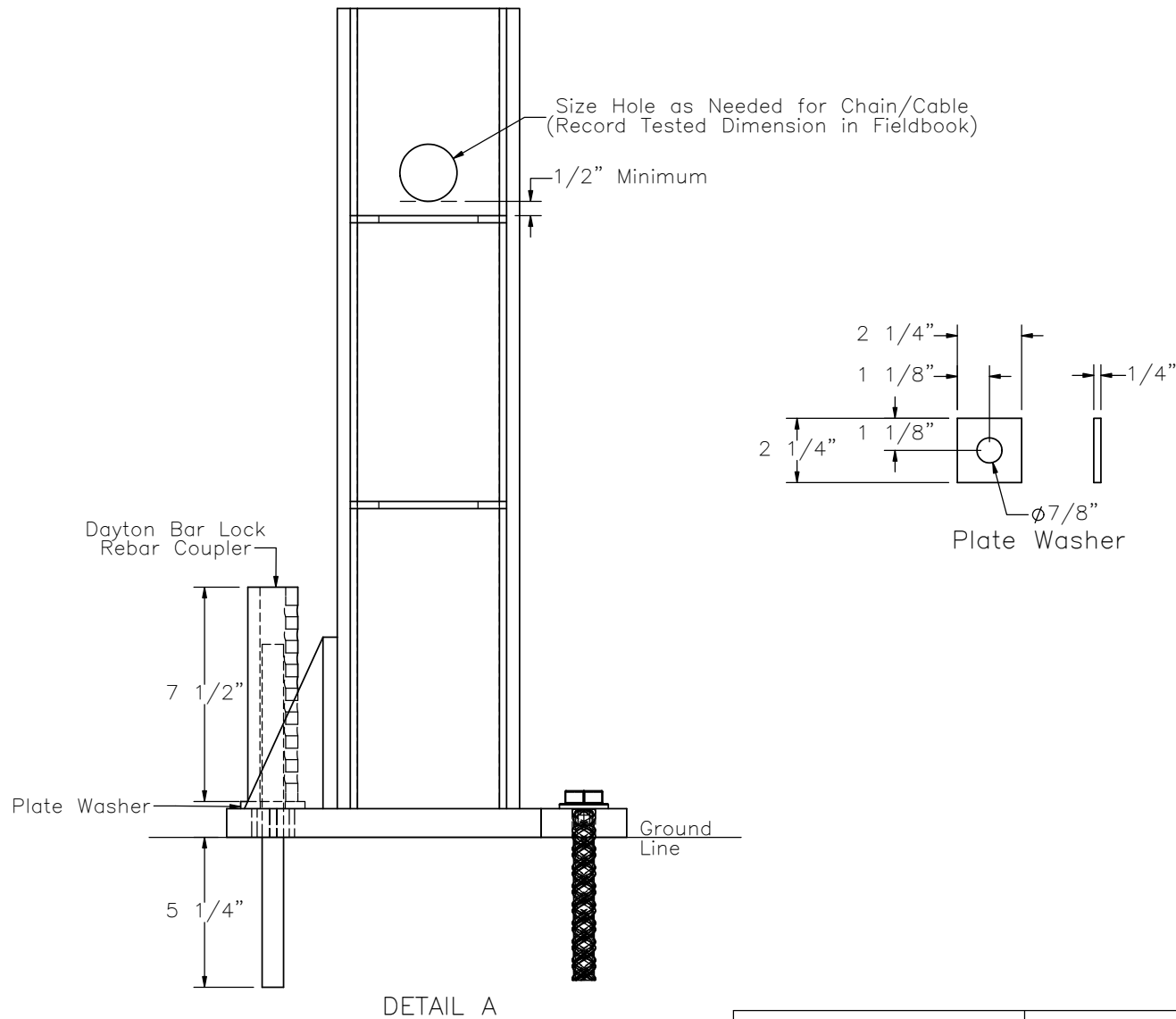
Midwest Roadside
Safety Facility

Epoxy Anchor Testing
Static Test Setup

DWG. NAME.
EpoxyAnchor test setup matrix_17_R1

SCALE: None
UNITS: Inches

SHEET:
1 of 3
DATE:
06/24/2011
DRAWN BY:
MDM/RJT/
JGP/DMH
REV. BY:
BJD



Notes: (1) Coupler is not welded to test jigs.

(2) Refer to PDF titled "DS_Bar_Lock_End_Anchor_TDS[1]" for maximum rebar shear lip diameter, bolt tightening pattern, and torque specifications.

(3) Stop pin needs to be removed.



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Epoxy Anchor Testing

Testing Setup Detail Views

SHEET:
2 of 3

DATE:
06/24/2011

DRAWN BY:
MDM/RJT/
JGP/DMH

DWG. NAME:
EpoxyAnchor test setup matrix_17_R1

SCALE: 1:6
UNITS: Inches

REV. BY:
BJD

Test No.	Test Type	Bar Size	Bar Coating	Embedment Depth	Spacing	Speed
WEAB-17	Tensile	#6	None	5 1/4"	Single	Static



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Epoxy Anchor Testing
Bogie Testing Matrix

SHEET:
3 of 3
DATE:
06/24/2011
DRAWN BY:
MDM/RJT/
JGP/DMH
REV. BY:
BJD

DWG. NAME:
EpoxyAnchor test setup matrix_17_R1

SCALE: None
UNITS: Inches