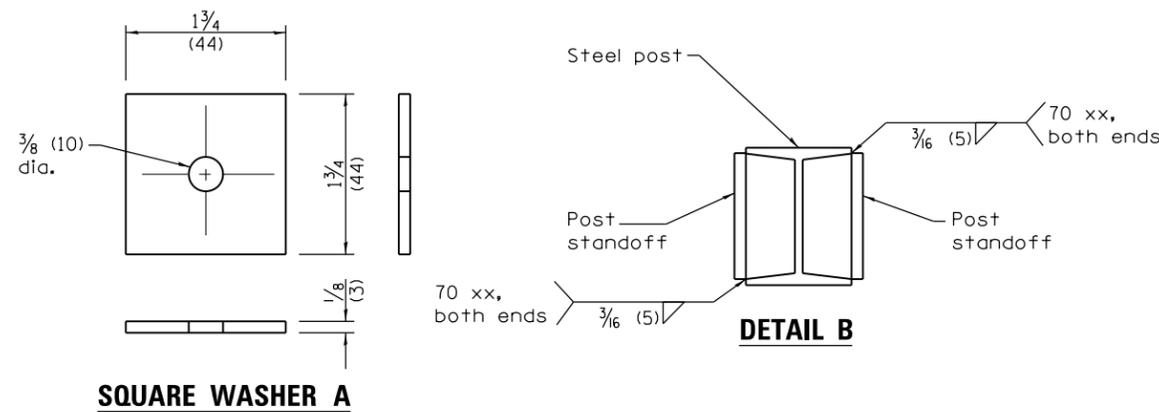
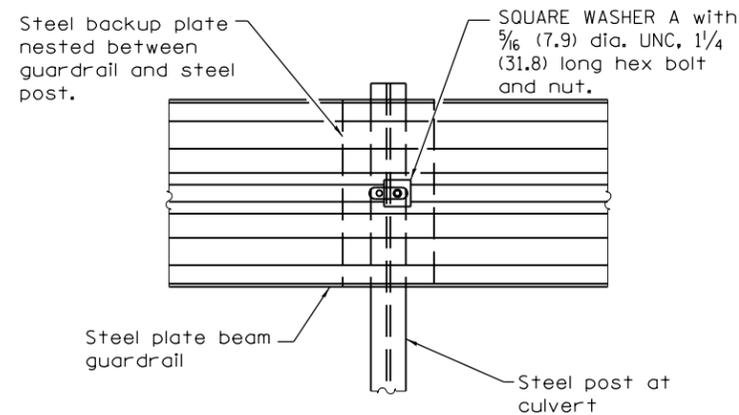


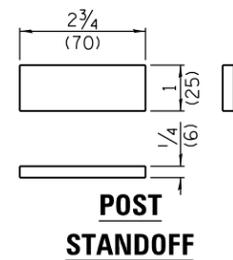
PLAN



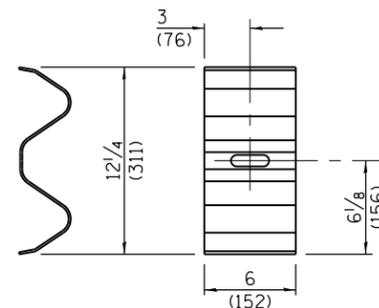
SQUARE WASHER A



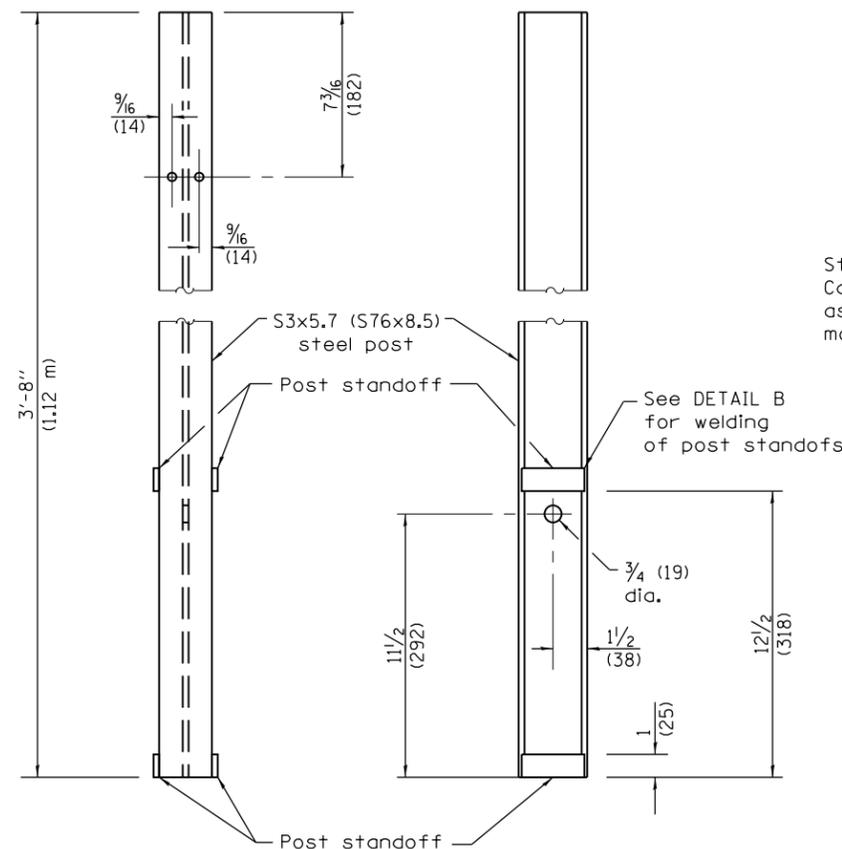
DETAIL A



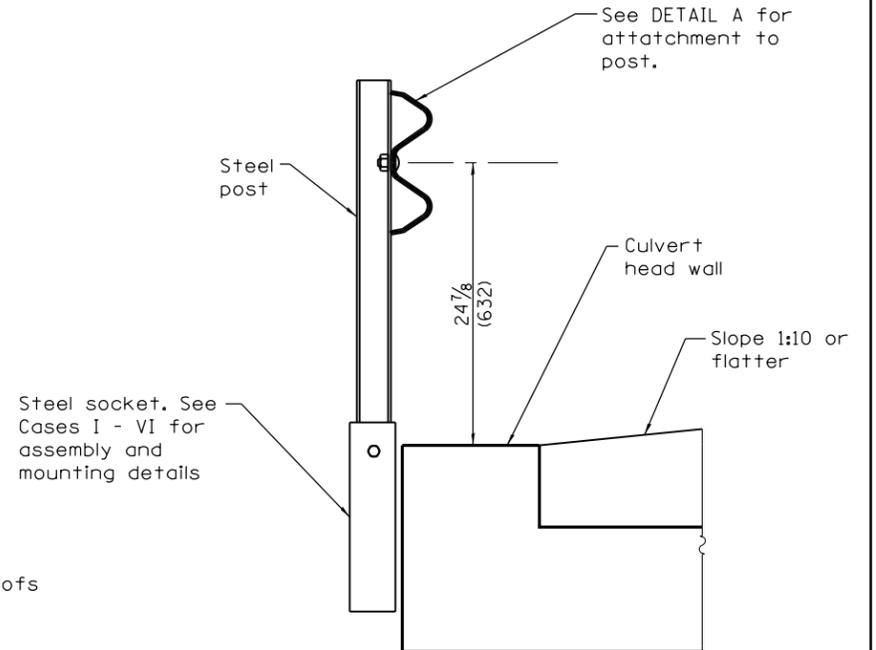
POST STANDOFF



BACKUP PLATE



STEEL POST



**SECTION A-A
GENERAL NOTES**

See Standard 630001 for details of guardrail not shown.

See Standard 630006 for details of non-blocked guardrail not shown.

All threaded rods and bolts shall be installed with heavy hex nuts and standard washers unless noted otherwise.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-17	New Standard.

**WEAK POST
GUARDRAIL ATTACHED
TO CULVERT**

(Sheet 1 of 6)

STANDARD 630111

Illinois Department of Transportation

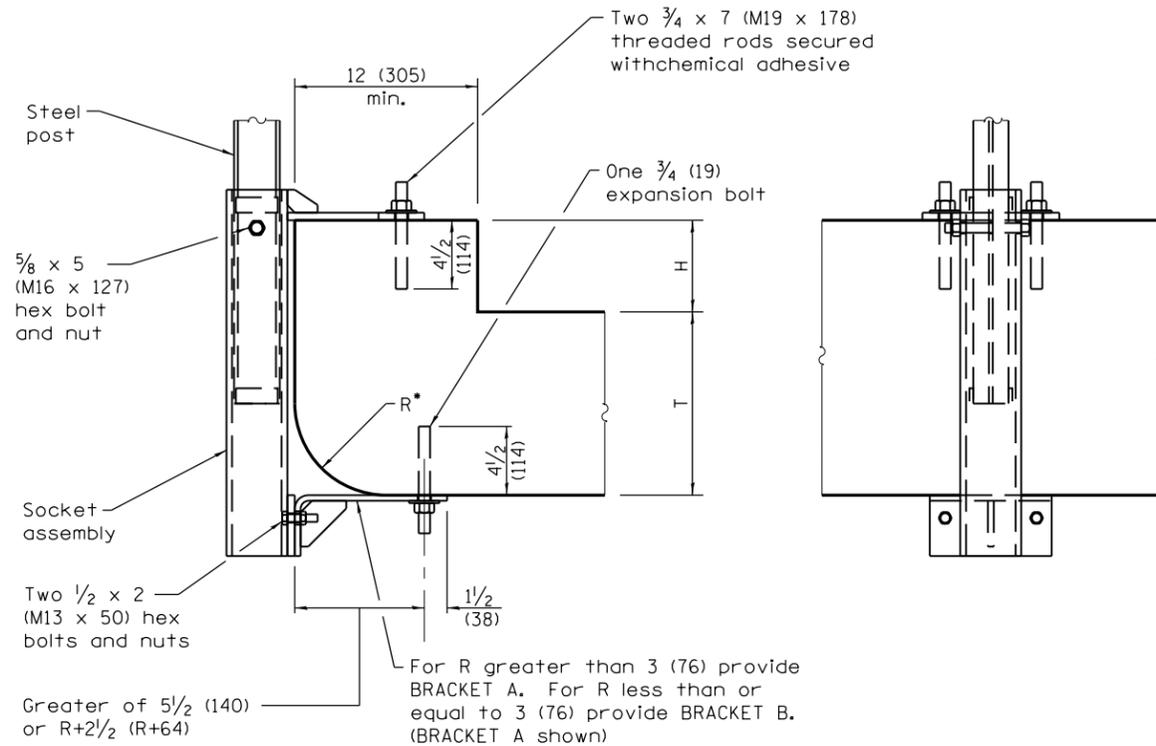
PASSED January 1, 2017

Michael Beard
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2017

Marcus M. Beck
ENGINEER OF DESIGN AND ENVIRONMENT

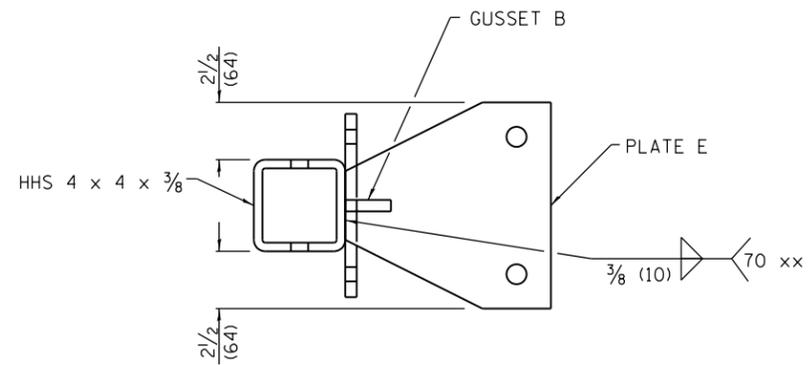
ISSUED 1-1-17



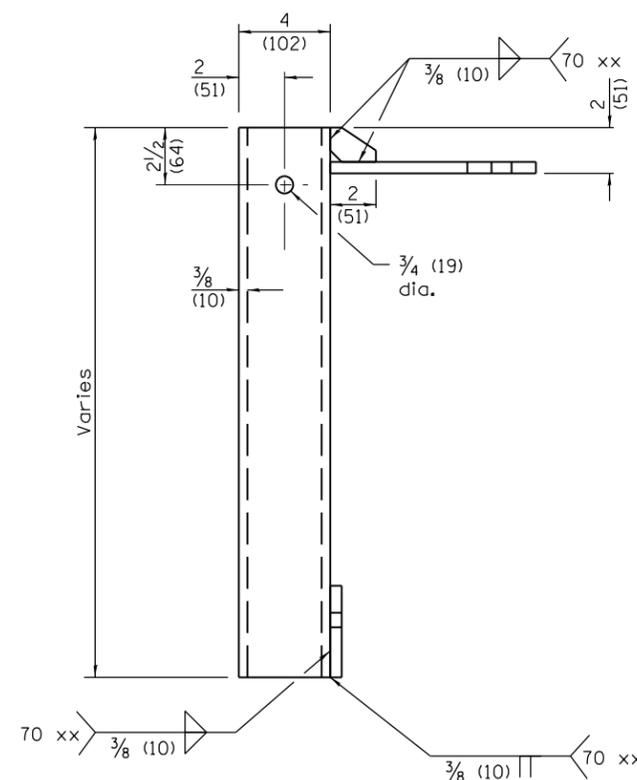
CROSS SECTION

ELEVATION

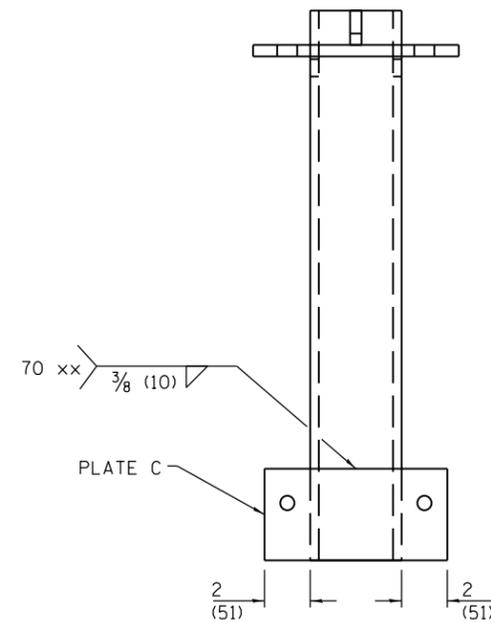
CASE I, (H+T-R) < 18 (457), TOP MOUNT



TOP VIEW



SIDE VIEW



FRONT VIEW

SOCKET ASSEMBLY FOR CASE I

Illinois Department of Transportation

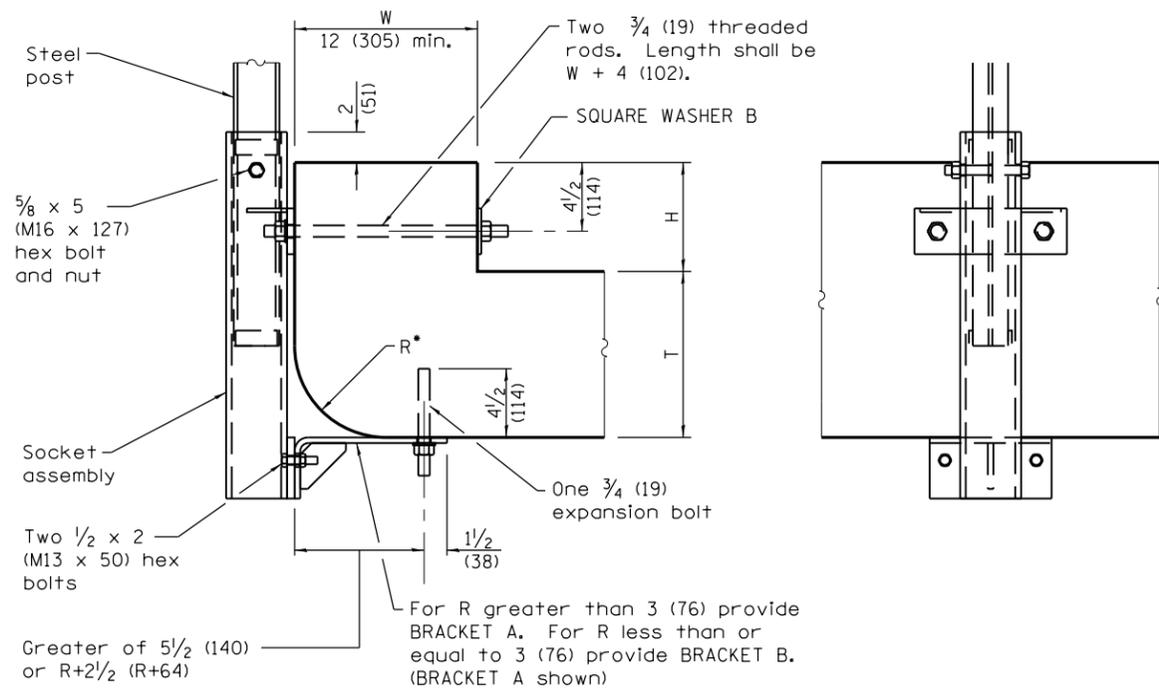
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**WEAK POST
 GUARDRAIL ATTACHED
 TO CULVERT** (Sheet 2 of 6)

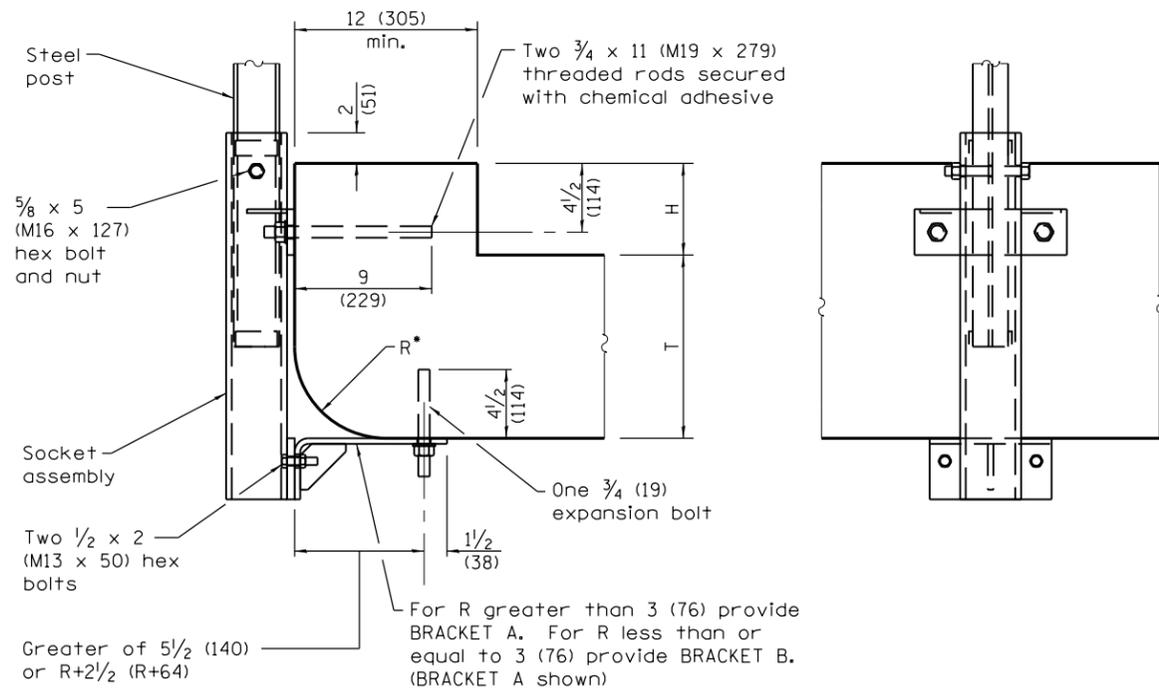
STANDARD 630111



CROSS SECTION

ELEVATION

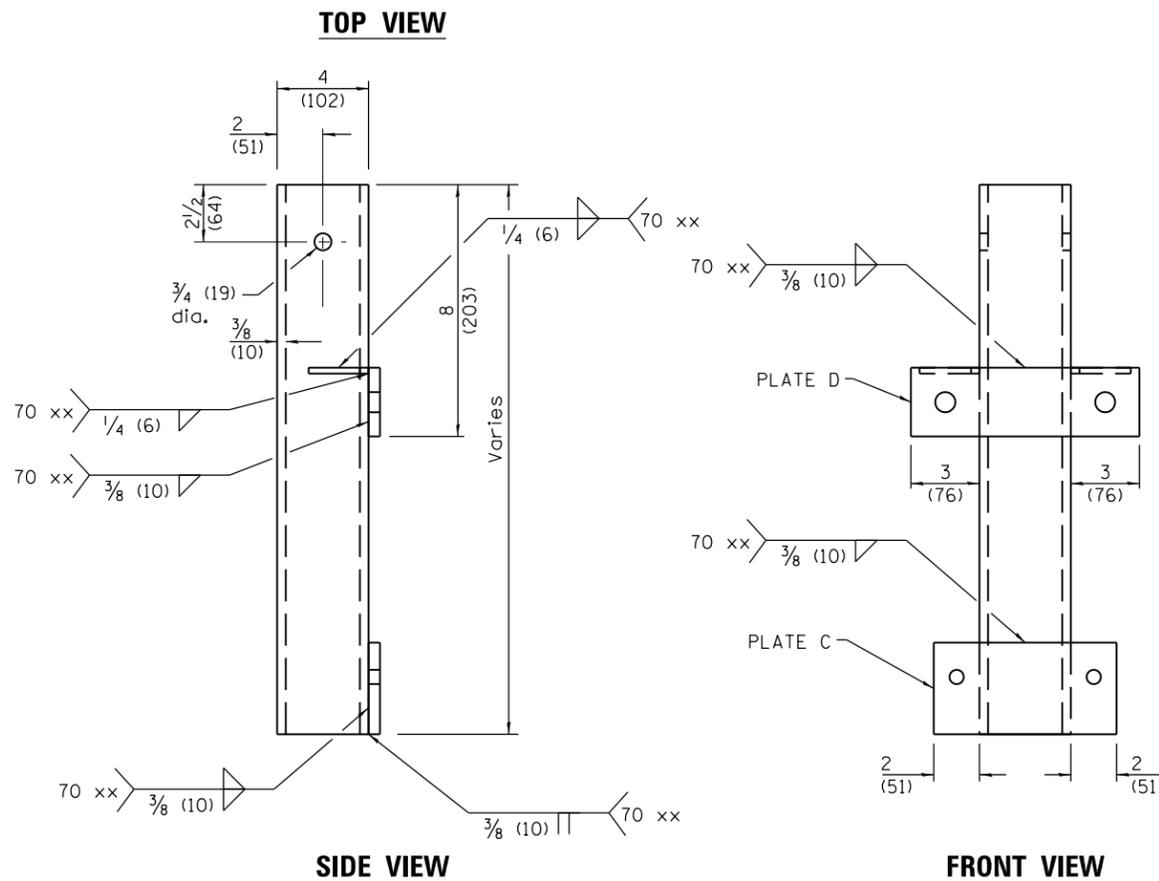
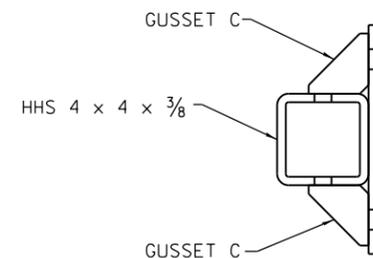
CASE II, (H+T-R) < 18 (457), SIDE-MOUNT THROUGH-BOLT



CROSS SECTION

ELEVATION

CASE III, (H+T-R) < 18 (457), SIDE-MOUNT ANCHORED

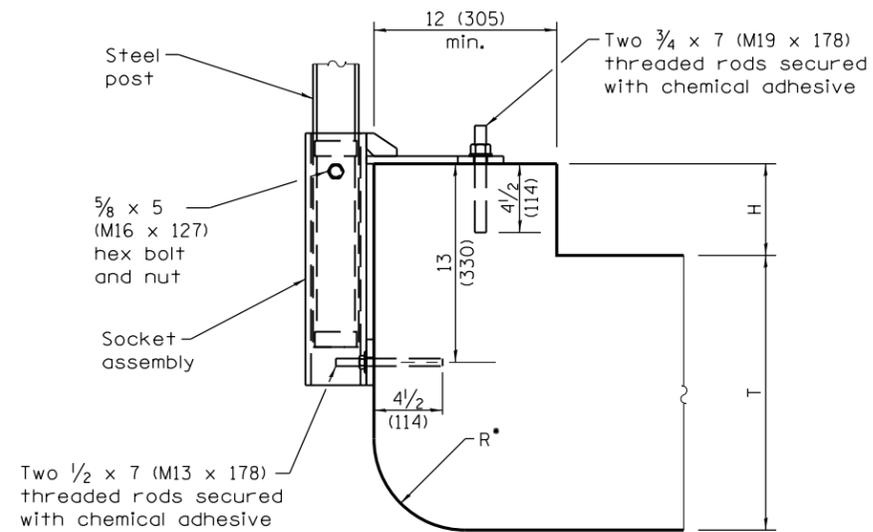


SOCKET ASSEMBLY FOR CASES II & III

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 PASSED January 1, 2017
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 ENGINEER OF POLICY AND PROCEDURES
 APPROVED January 1, 2017
 Matthew M. Adams
 ENGINEER OF DESIGN AND ENVIRONMENT
 ISSUED 1-1-17

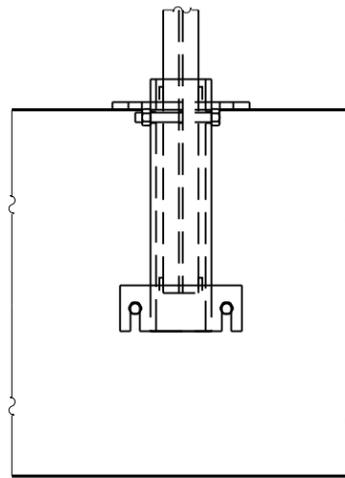
WEAK POST GUARDRAIL ATTACHED TO CULVERT
 (Sheet 3 of 6)

STANDARD 630111



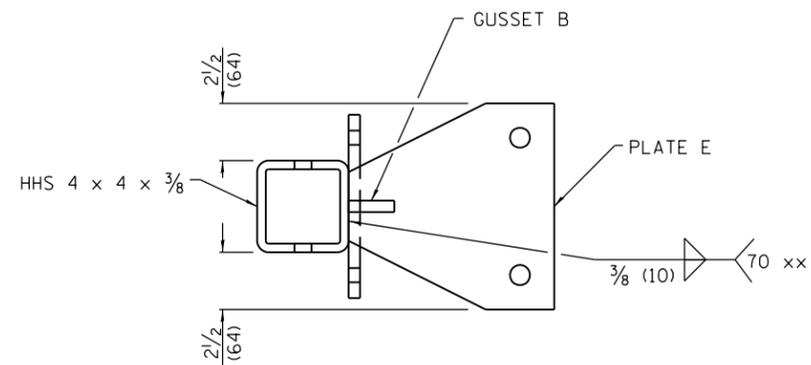
• R varies between 0 to 6 (152)

CROSS SECTION

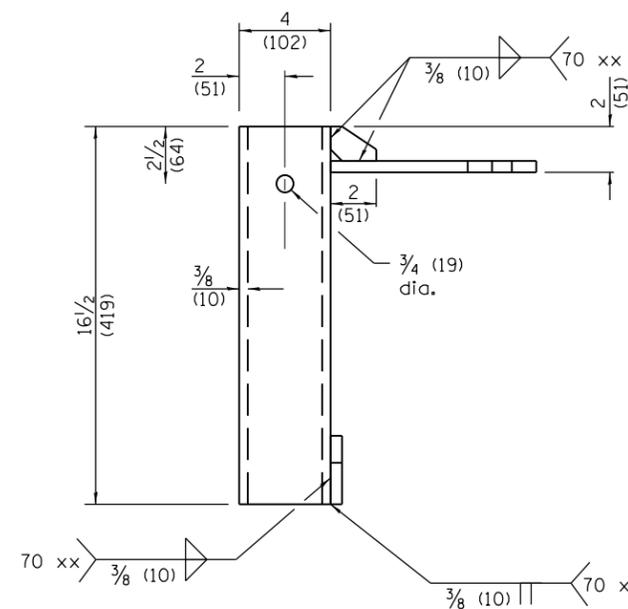


ELEVATION

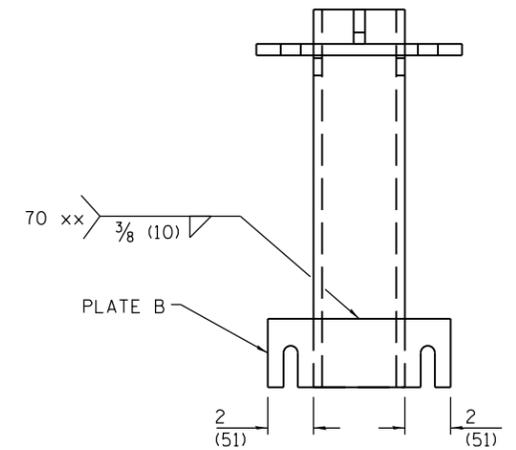
CASE IV, $(H + T - R) \geq 18$ (457), TOP MOUNT



TOP VIEW



SIDE VIEW



FRONT VIEW

**SOCKET ASSEMBLY
FOR CASE IV**

Illinois Department of Transportation

PASSED January 1, 2017

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APPROVED January 1, 2017

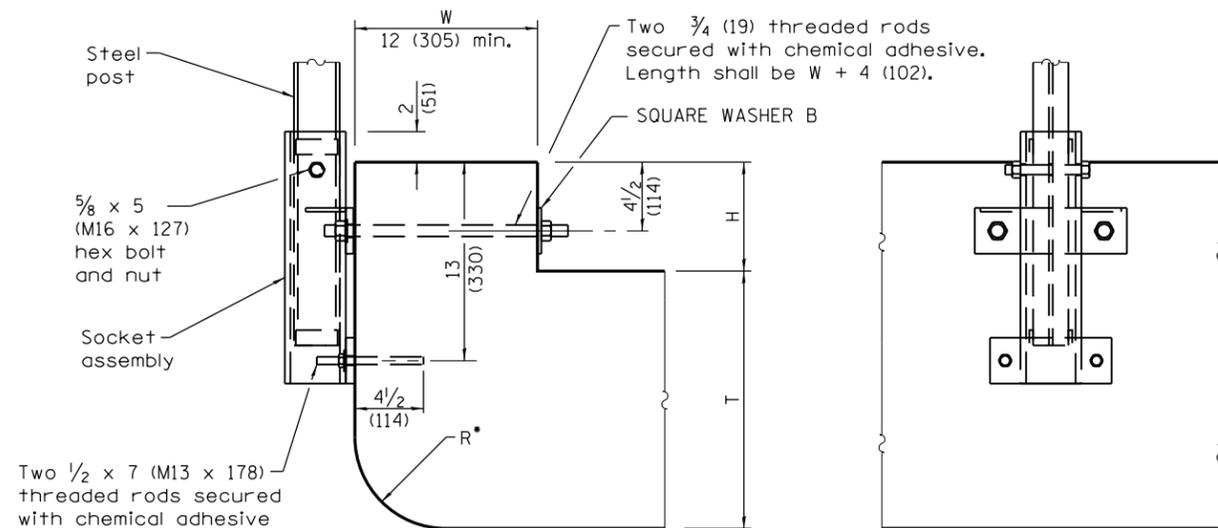
Maureen M. Adams
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-17

**WEAK POST
GUARDRAIL ATTACHED
TO CULVERT**

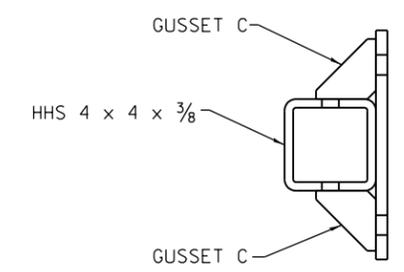
(Sheet 4 of 6)

STANDARD 630111

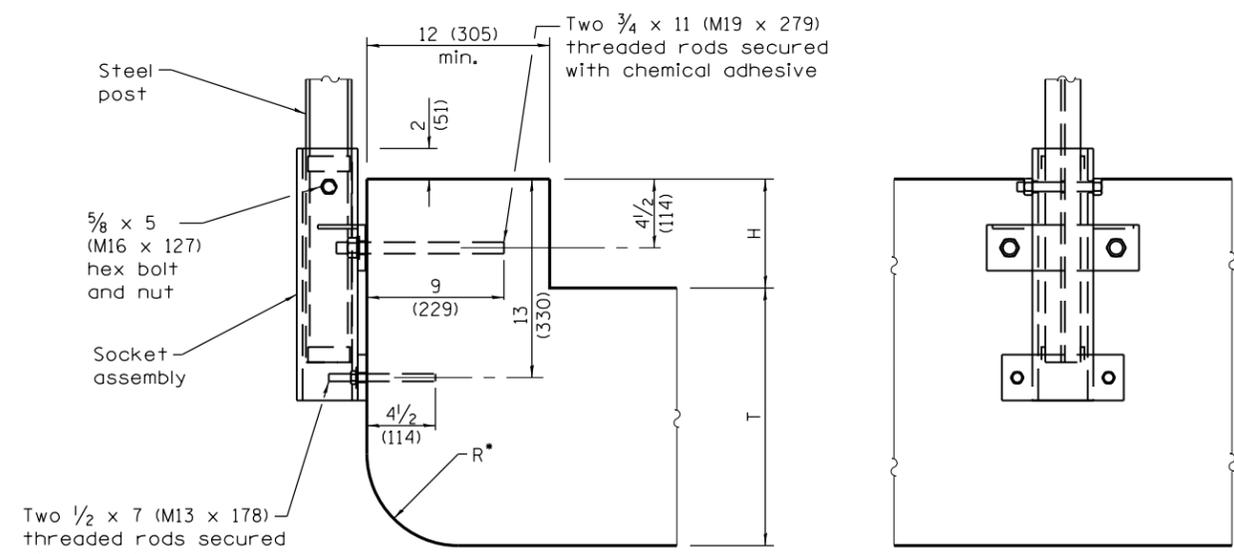


• R varies between 0 to 6 (152)

CROSS SECTION **ELEVATION**
CASE V, (H + T - R) ≥ 18 (457), SIDE-MOUNT, THROUGH-BOLT

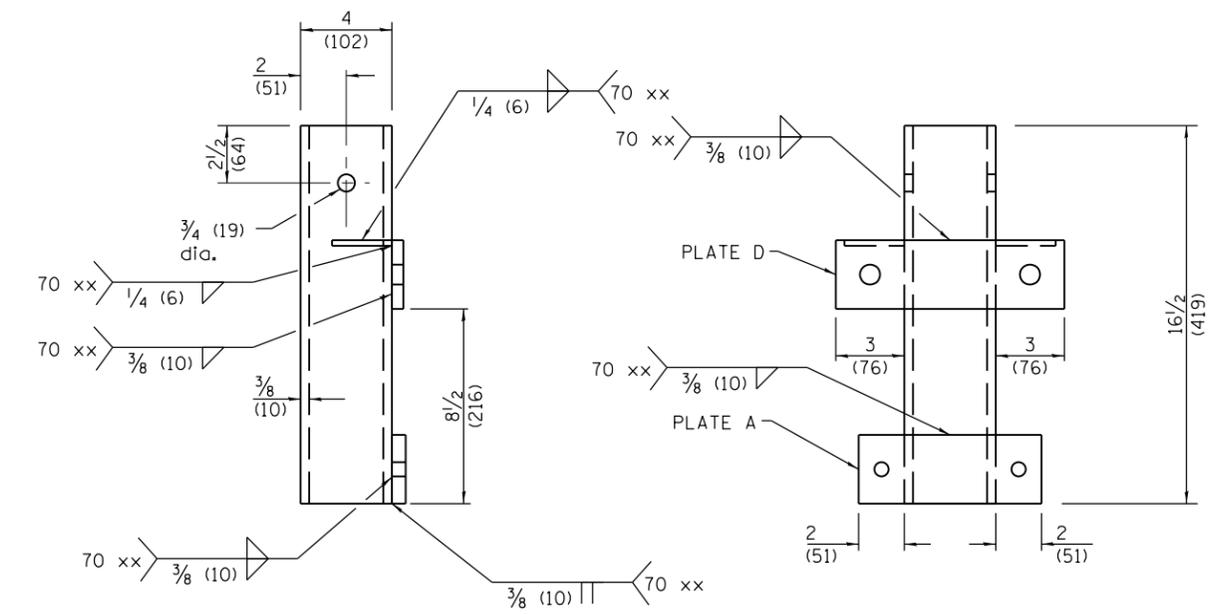


TOP VIEW



• R varies between 0 to 6 (152)

CROSS SECTION **ELEVATION**
CASE VI, (H + T - R) ≥ 18 (457), SIDE-MOUNT ANCHORED



SIDE VIEW

FRONT VIEW

SOCKET ASSEMBLY FOR CASES V & VI

Illinois Department of Transportation

PASSED January 1, 2017

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ENGINEER OF POLICY AND PROCEDURES

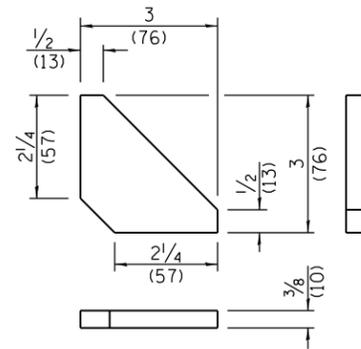
APPROVED January 1, 2017

Maureen M. Adams
ENGINEER OF DESIGN AND ENVIRONMENT

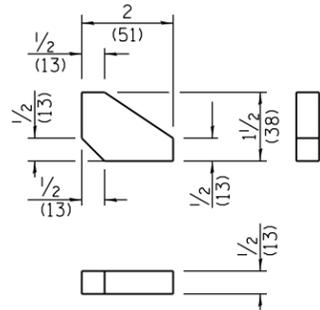
ISSUED 1-1-17

WEAK POST GUARDRAIL ATTACHED TO CULVERT (Sheet 5 of 6)

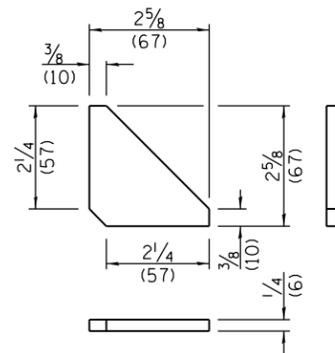
STANDARD 630111



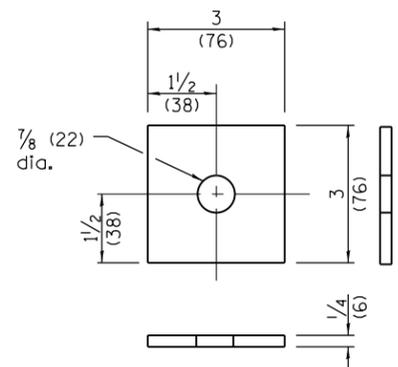
GUSSET A



GUSSET B



GUSSET C



SQUARE WASHER B

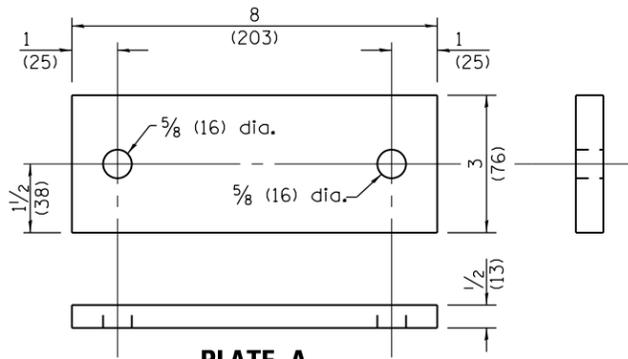


PLATE A

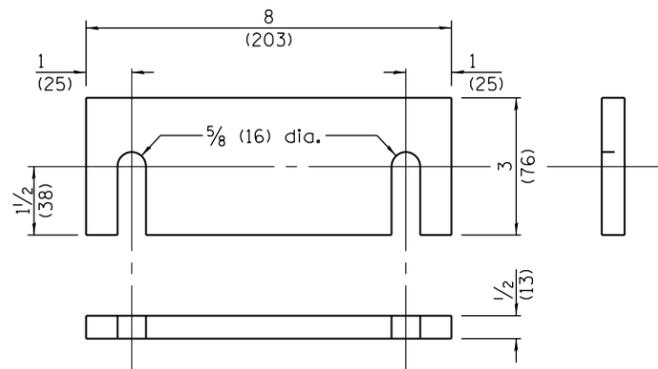


PLATE B

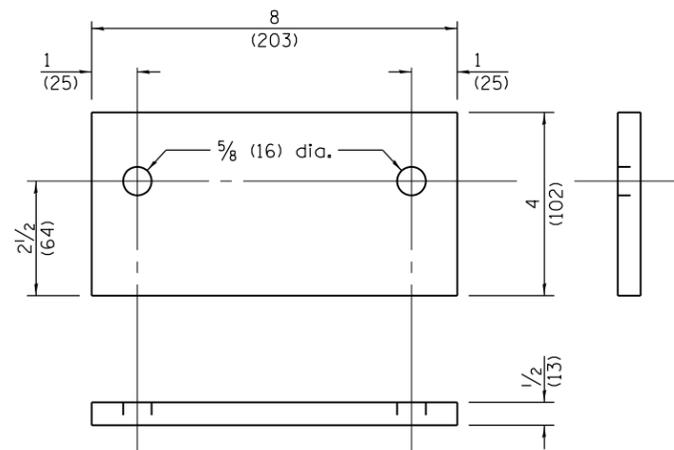


PLATE C

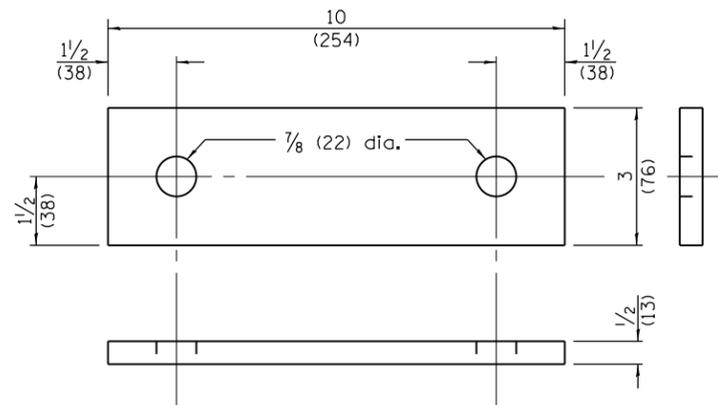
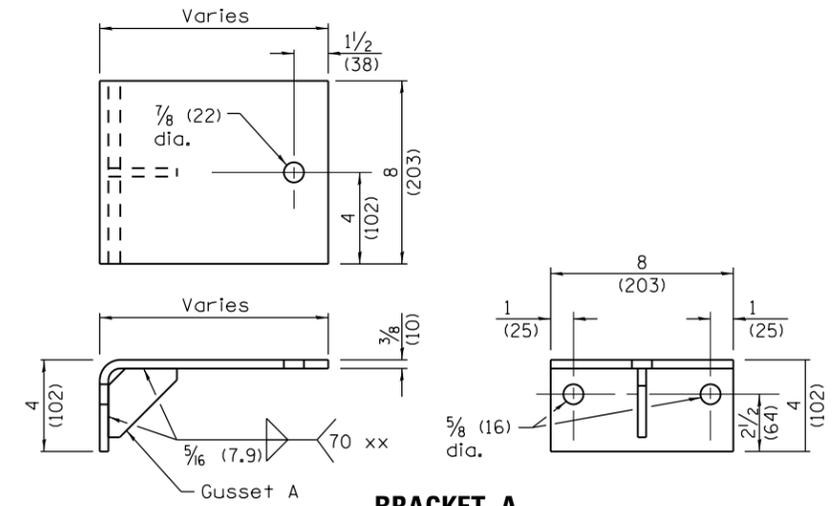
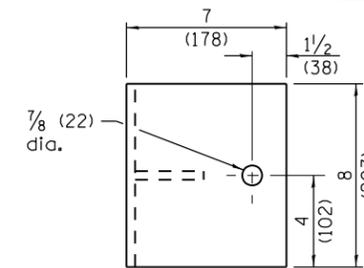


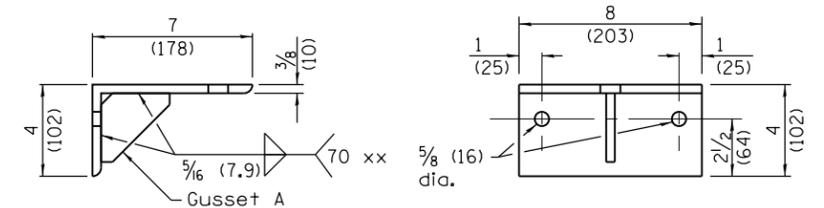
PLATE D



BRACKET A



BRACKET B



BRACKET B

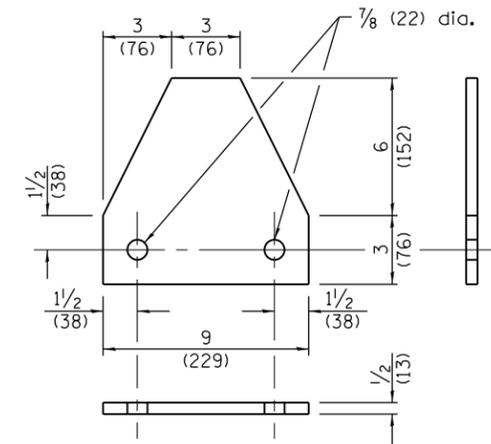


PLATE E

Illinois Department of Transportation

PASSED January 1, 2017

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APPROVED January 1, 2017

Maureen M. Adams
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**WEAK POST
GUARDRAIL ATTACHED
TO CULVERT**

(Sheet 6 of 6)

STANDARD 630111