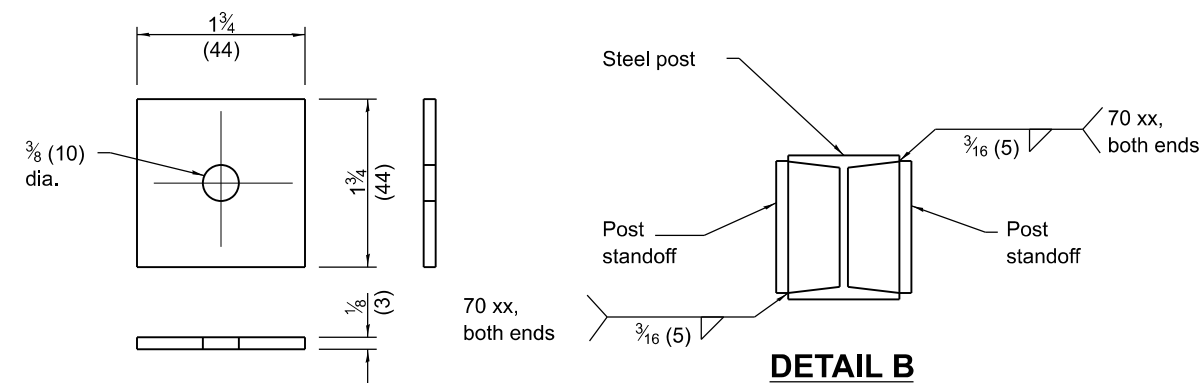
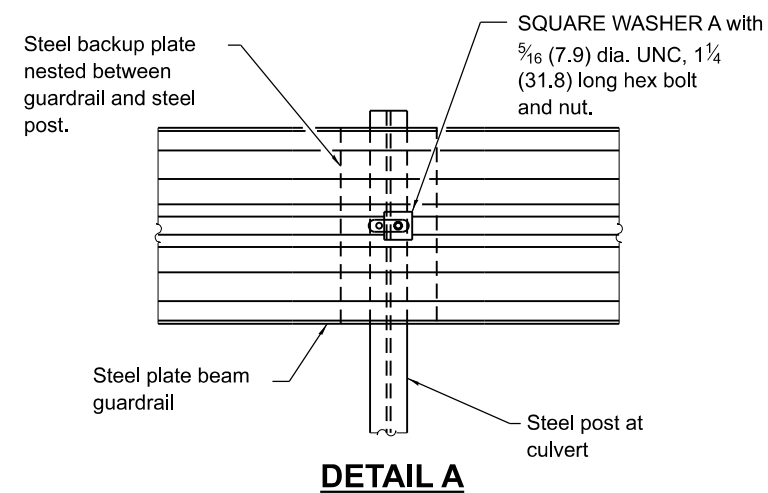


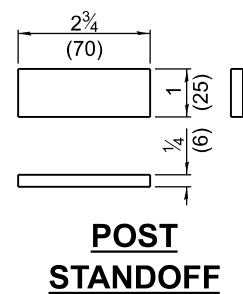
PLAN



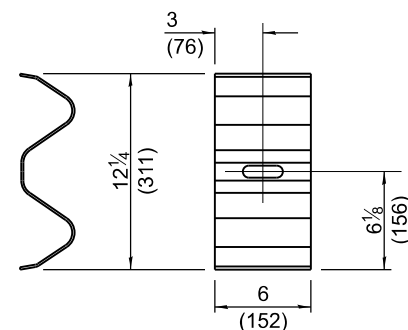
SQUARE WASHER A



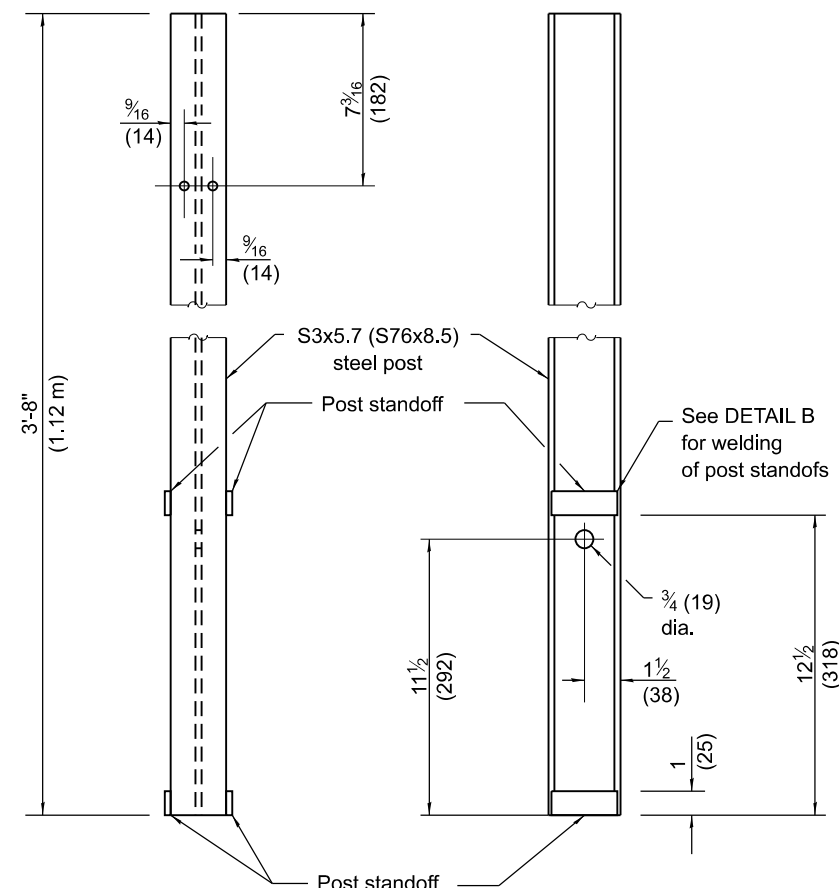
DETAIL A



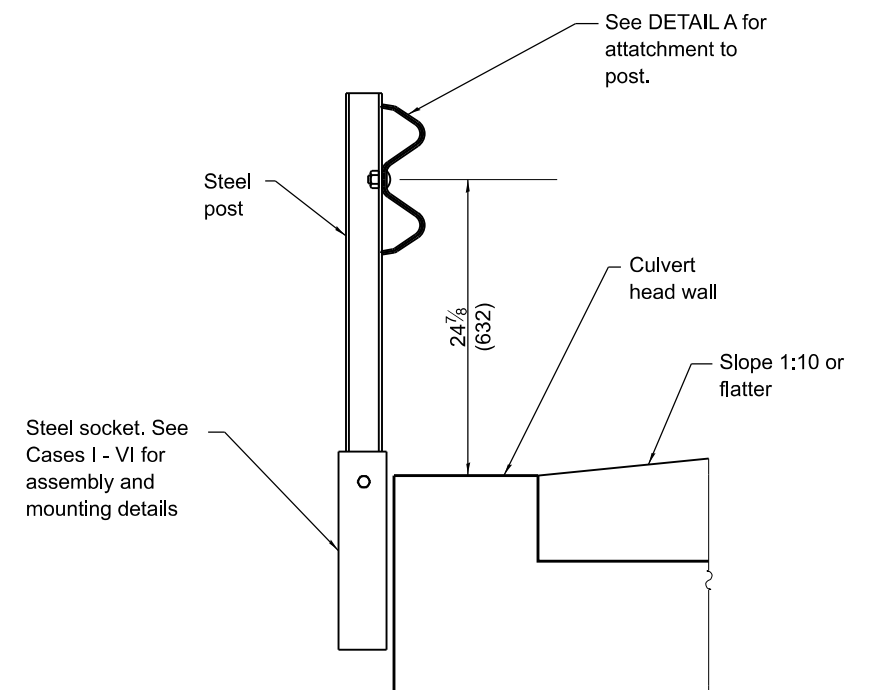
POST STANDOFF



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.

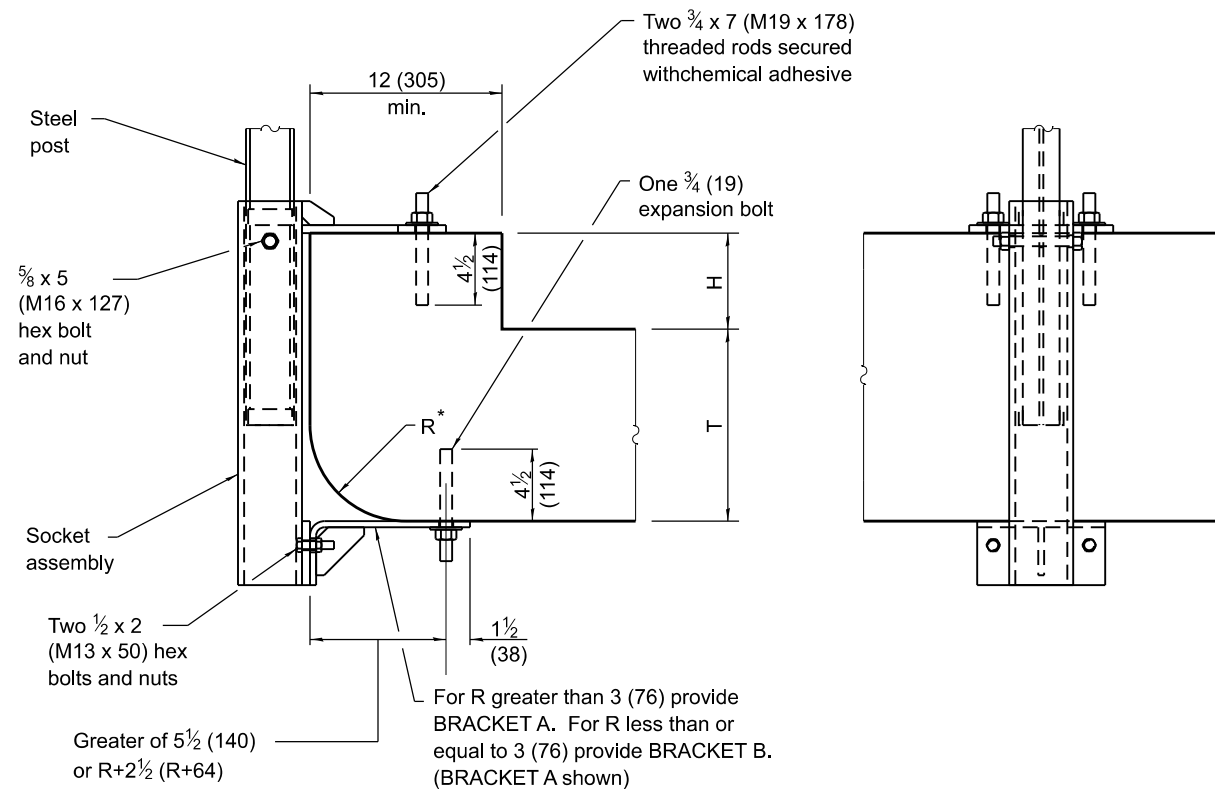
Illinois Department of Transportation	
APPROVED <u>January 1, 2020</u> <u>Michael B. [Signature]</u> ENGINEER OF POLICY AND PROCEDURES	ISSUED 1-1-17
APPROVED <u>January 1, 2020</u> <u>[Signature]</u> ENGINEER OF DESIGN AND ENVIRONMENT	

DATE	REVISIONS
1-1-20	Revised HHS to HHS in Top View on sheets 2-5.
1-1-17	New Standard.

WEAK POST GUARDRAIL ATTACHED TO CULVERT

(Sheet 1 of 6)

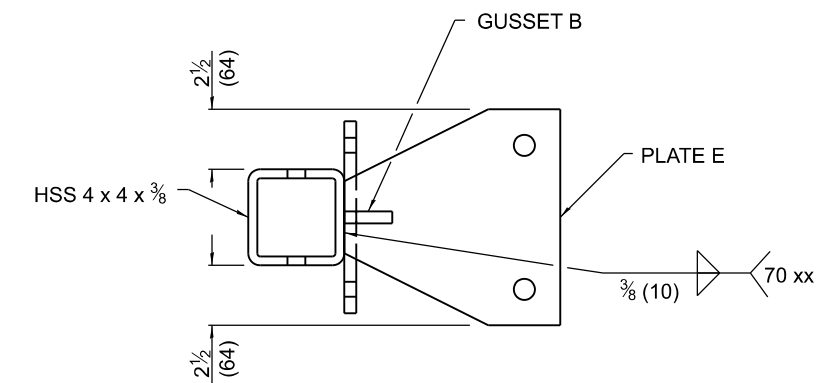
STANDARD 630111-01



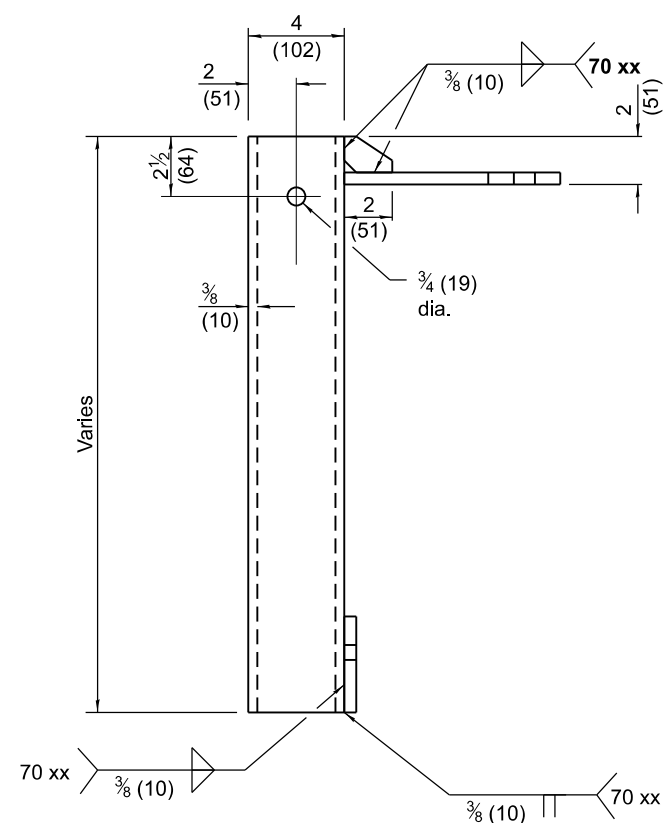
CROSS SECTION

ELEVATION

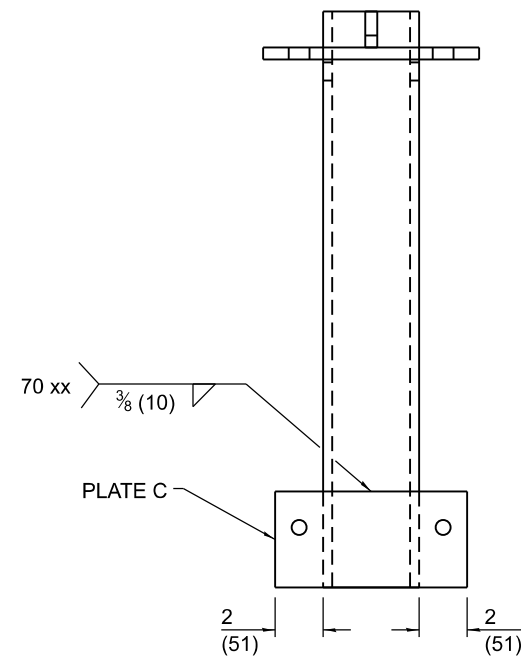
CASE I, $(H+T-R) < 18$ (457), TOP MOUNT



TOP VIEW

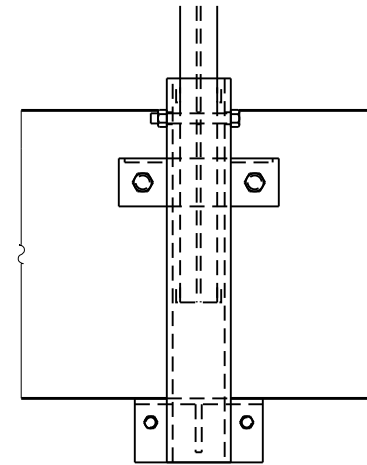


SIDE VIEW

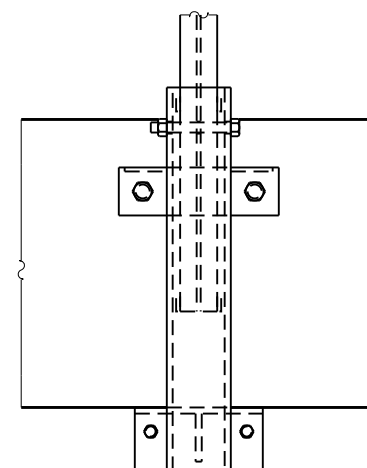


FRONT VIEW

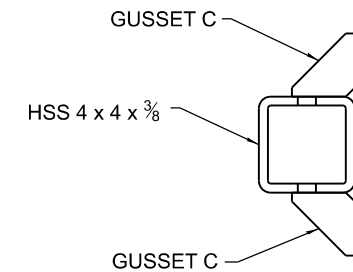
SOCKET ASSEMBLY FOR CASE I



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



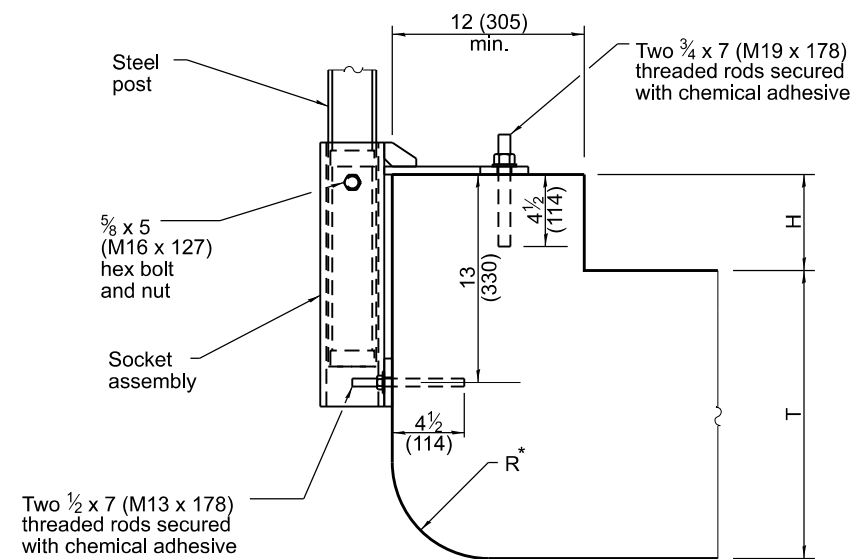
CASE III, (H+T-R) < 18 (457), SIDE-MOUNT ANCHORED



SIDE VIEW

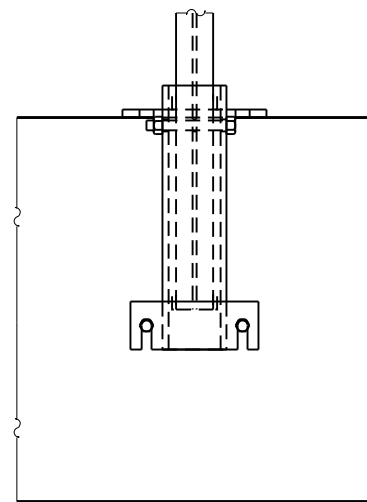
FRONT VIEW

SOCKET ASSEMBLY FOR CASES II & III



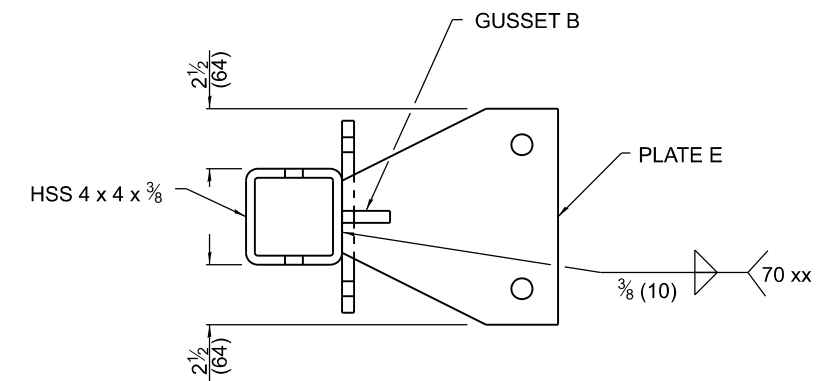
* R varies between 0 to 6 (152)

CROSS SECTION

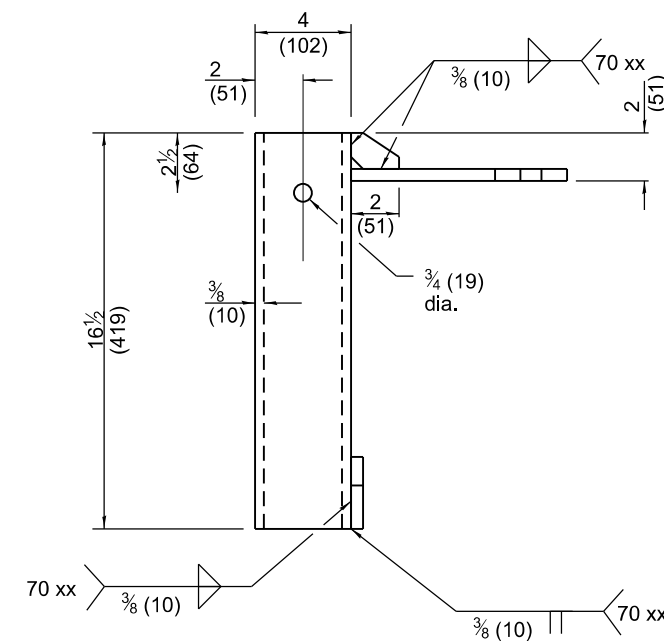


ELEVATION

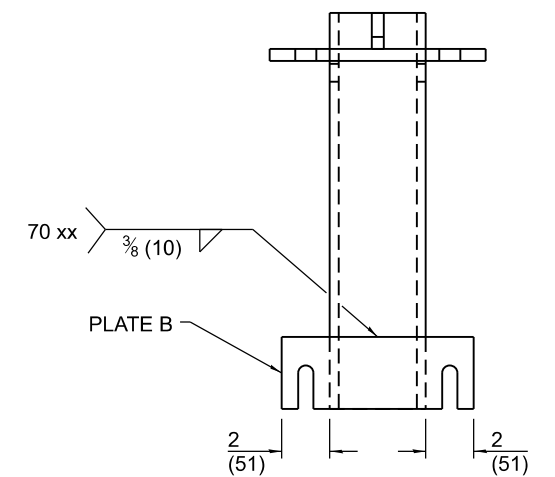
CASE IV, (H+T-R) $\geq$ 18 (457), TOP MOUNT



TOP VIEW

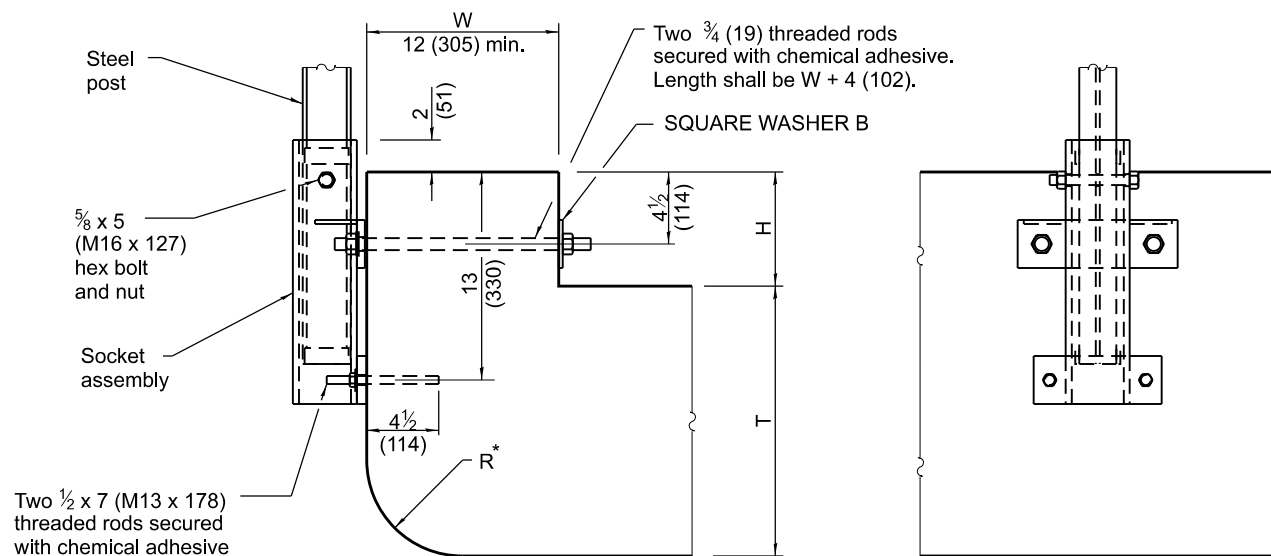


SIDE VIEW



FRONT VIEW

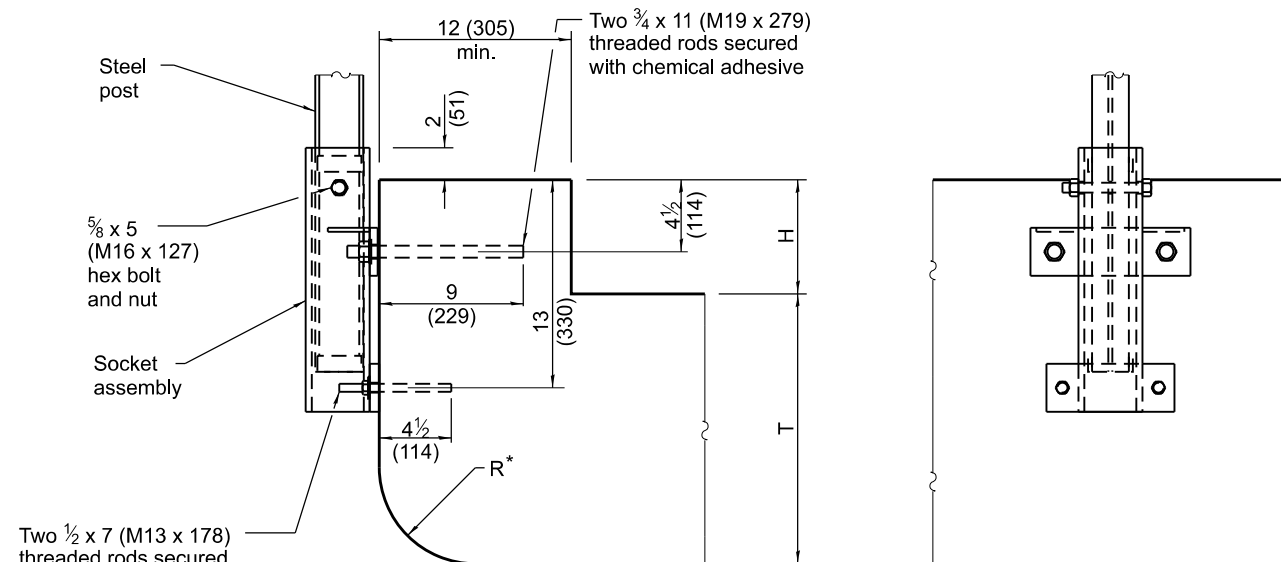
SOCKET ASSEMBLY FOR CASE IV



CROSS SECTION

ELEVATION

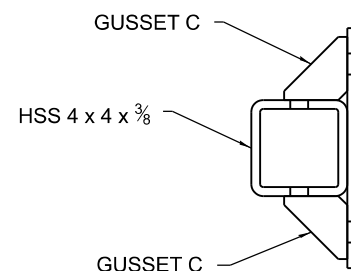
CASE V, $(H+T-R) > 18$ (457), SIDE-MOUNT, THROUGH-BOLT



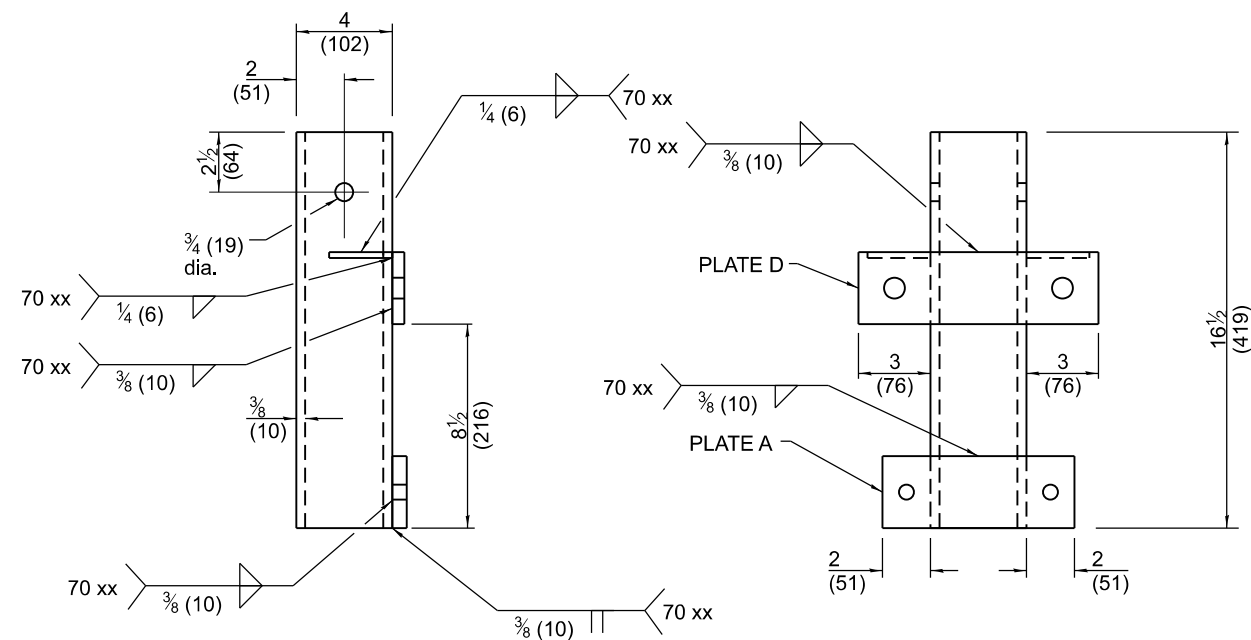
CROSS SECTION

ELEVATION

CASE VI, $(H+T-R) \geq 18$ (457), SIDE-MOUNT ANCHORED



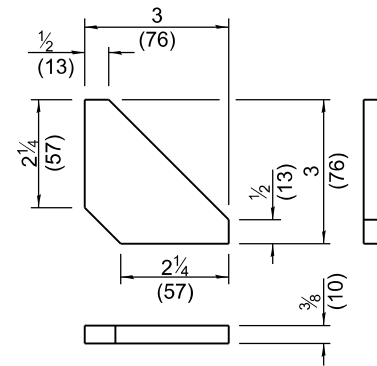
TOP VIEW



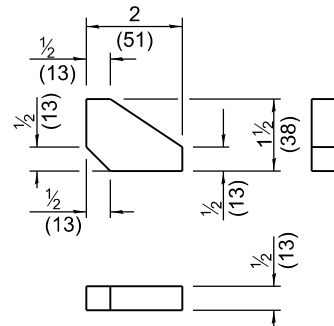
SIDE VIEW

FRONT VIEW

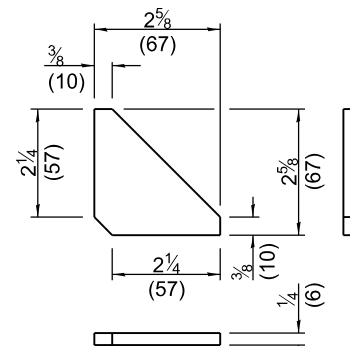
**SOCKET ASSEMBLY
FOR CASES V & VI**



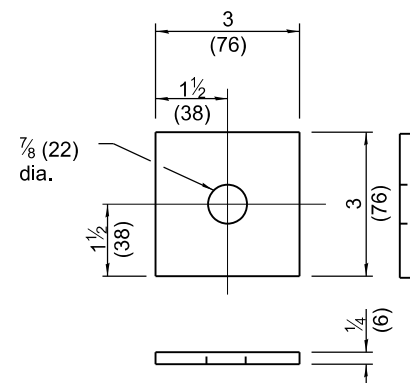
GUSSET A



GUSSET B



GUSSET C



SQUARE WASHER B

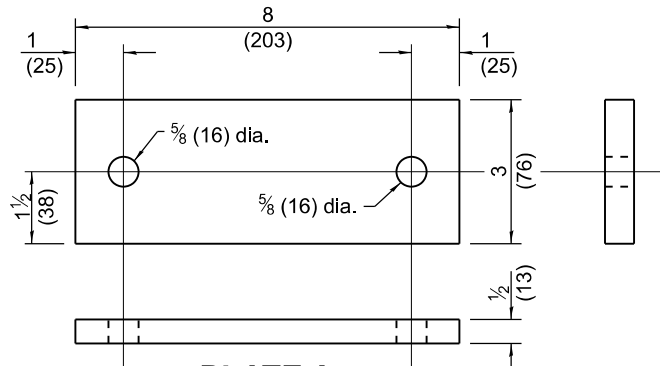


PLATE A

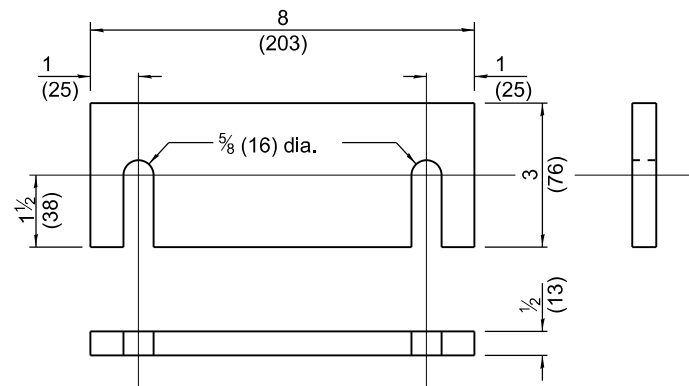


PLATE B

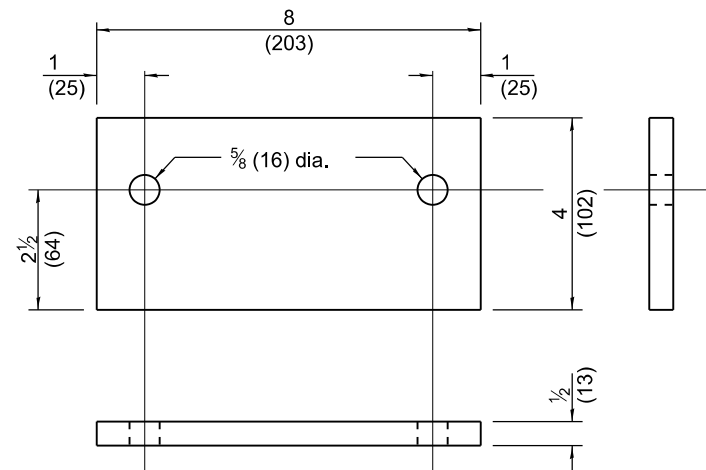


PLATE C

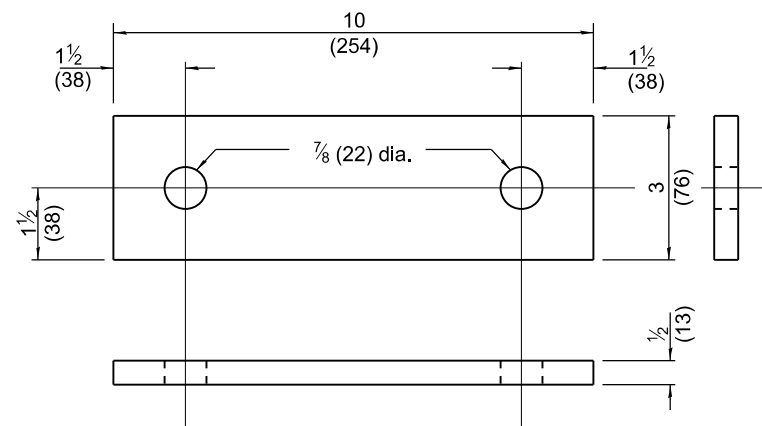
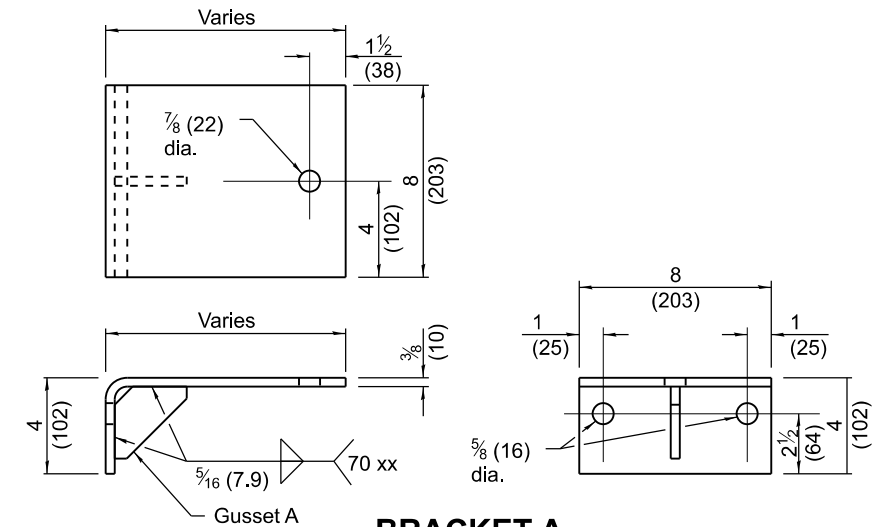
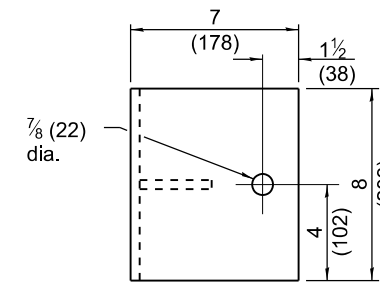


PLATE D



BRACKET A



BRACKET B

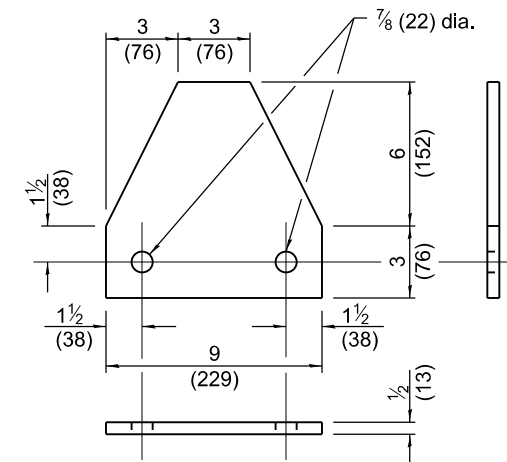


PLATE E

**WEAK POST GUARDRAIL
ATTACHED TO CULVERT**

(Sheet 6 of 6)

STANDARD 630111-01