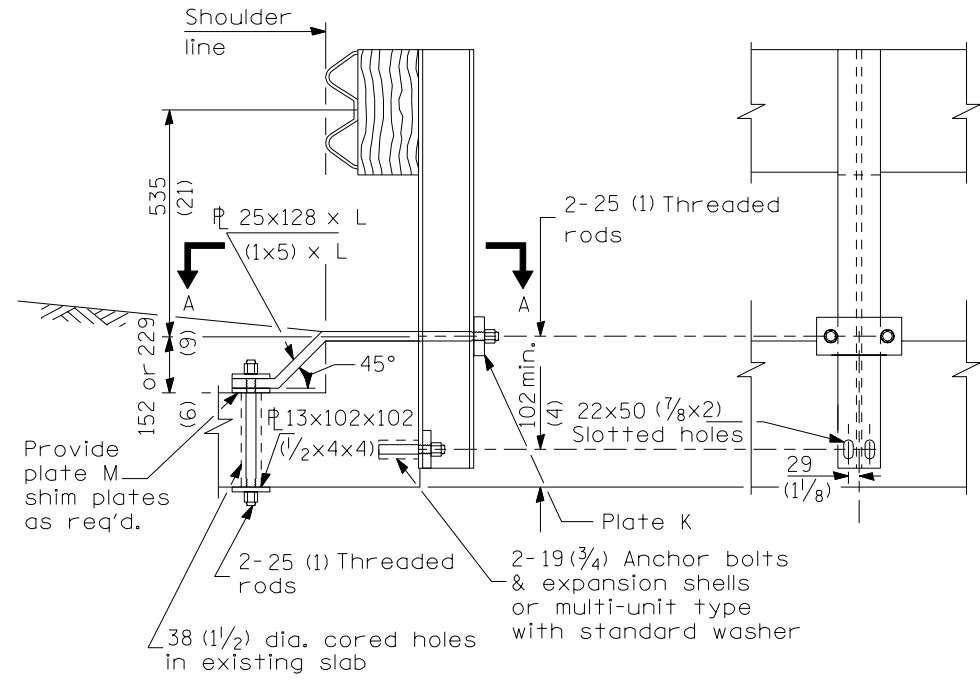


CROSS SECTION

ELEVATION

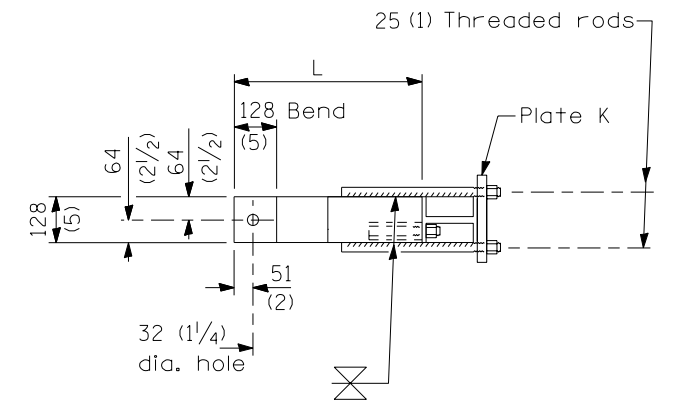
CONDITION H > 450 (18)



CROSS SECTION

ELEVATION

CASE II
MOUNTED ON TOP HEADWALL
WITH SQUARE TIP



SECTION A-A

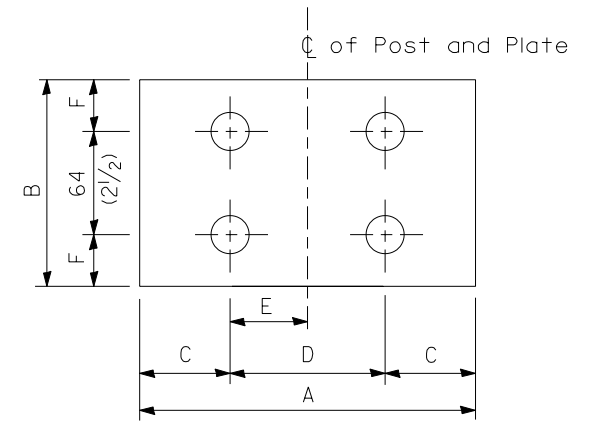
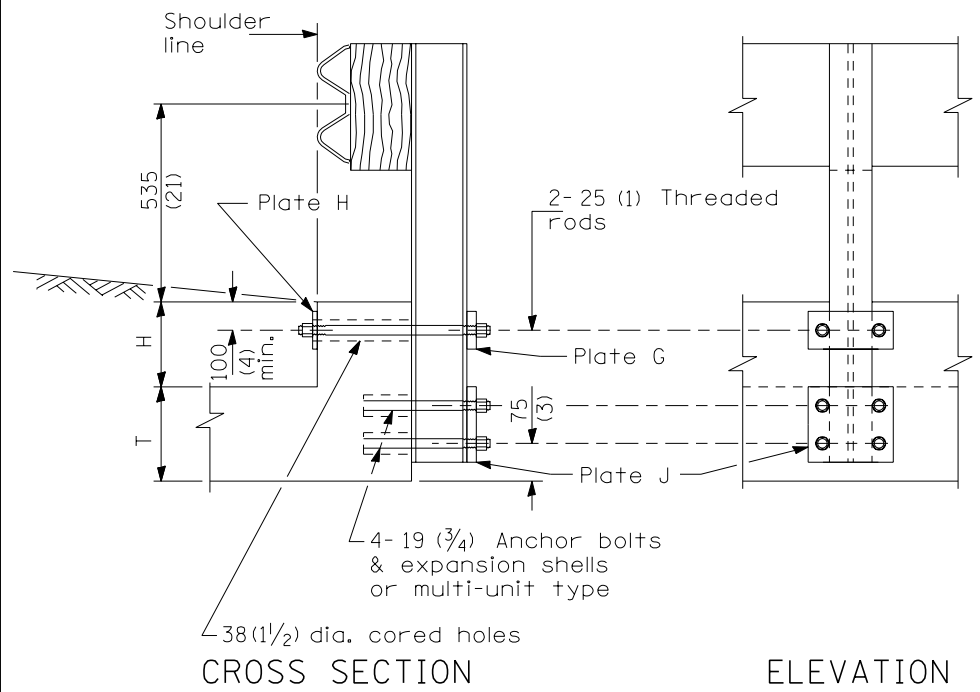


PLATE TYPE J



CROSS SECTION

ELEVATION

CONDITION H < 450 (18) & H+T ≥ 510 (20)

CASE I
MOUNTED ON
RAISED HEADWALL

PLATE DIMENSIONS								
Type	A	B	C	D	E	F	Hole Dia.	Thick-ness
G	230 (9)	100 (4)	40 (1 1/2)	150 (6)	75 (3)	50 (2)	29 (1 1/8)	25 (1)
H	230 (9)	100 (4)	40 (1 1/2)	150 (6)	75 (3)	50 (2)	29 (1 1/8)	13 (1/2)
J	230 (9)	126 (5)	40 (1 1/2)	150 (6)	75 (3)	31 (1 1/4)	22 (7/8)	25 (1)
K	230 (9)	100 (4)	40 (1 1/2)	150 (6)	75 (3)	50 (2)	29 (1 1/8)	32 (1 1/4)
M	100 (4)	100 (4)	50 (2)	N/A	N/A	50 (2)	32 (1 1/8)	13 (1/2)

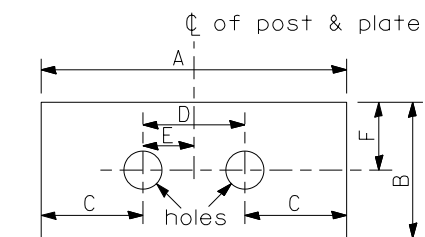


PLATE TYPES G, H & K

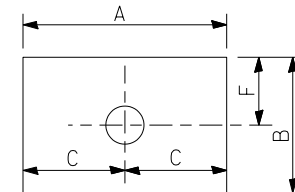


PLATE TYPE M

GENERAL NOTES

Except as noted, dimensions and notes specified for case II, III, and IV are the same as specified for case I.

For details of guardrail elements not shown, see Standard 630001.

All threaded rods shall be installed with heavy hex nuts and standard washers.

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

Illinois Department of Transportation

PASSED January 1, 2005

ISSUED 1-1-97

Michael Beard
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2005

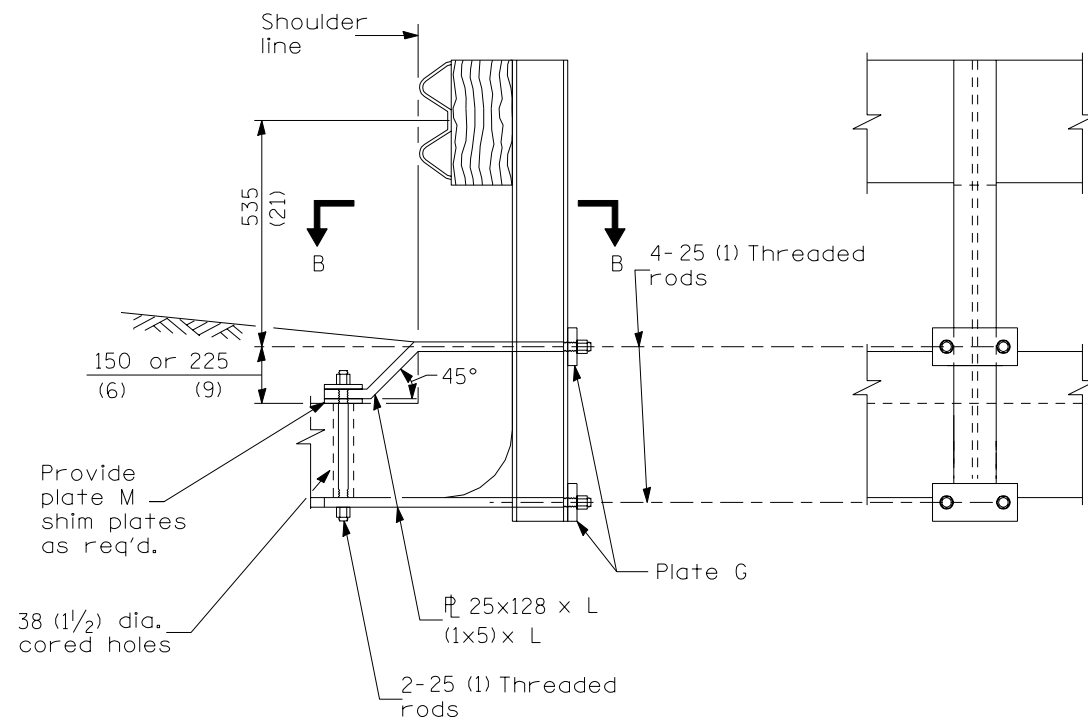
Michael S. Hine
ENGINEER OF DESIGN AND ENVIRONMENT

DATE	REVISIONS
1-1-05	Revised Case IV on sheet 2 of 2.
1-1-03	Revised gusset dimension on case IV cross section.

GUARDRAIL MOUNTED ON EXISTING CULVERTS

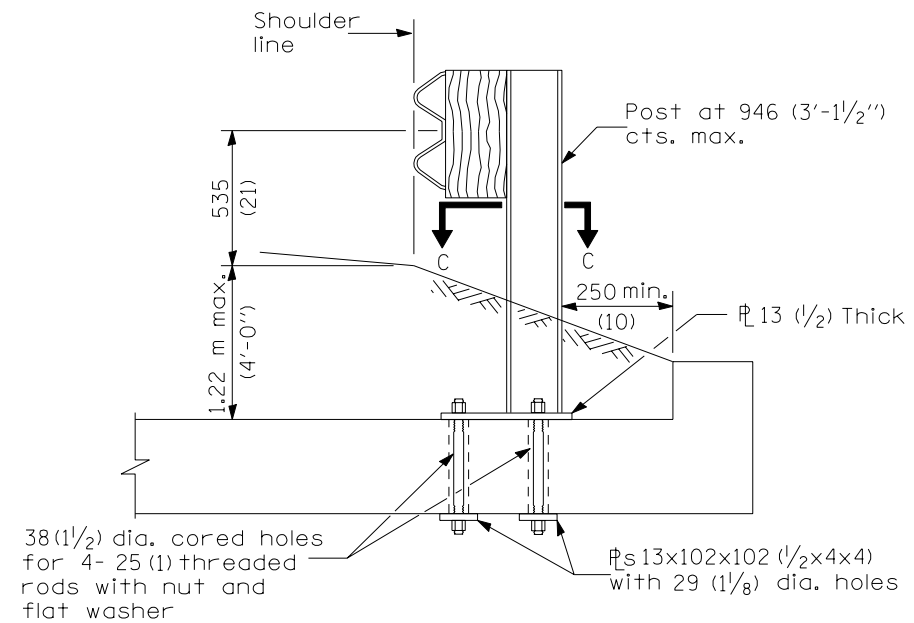
(Sheet 1 of 2)

STANDARD 630101-05

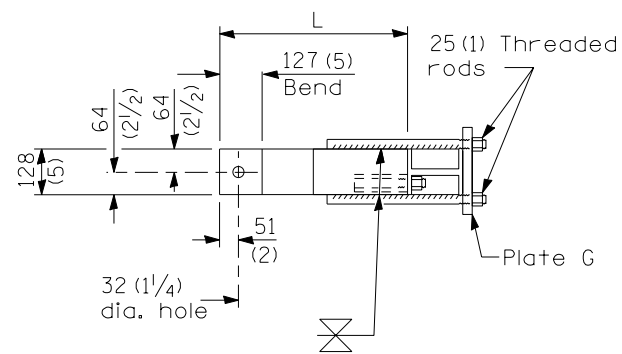


CROSS SECTION

ELEVATION

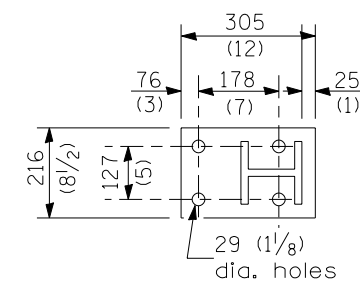


CROSS SECTION



SECTION B-B

CASE III
MOUNTED ON HEADWALL
WITH CURVED OR DEMOLISHED TIP



SECTION C-C

CASE IV
MOUNTED ON SLAB

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

GUARDRAIL MOUNTED
ON EXISTING CULVERTS

(Sheet 2 of 2)

STANDARD 630101-05

Illinois Department of Transportation

PASSED January 1, 2005
Michael Beard
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2005
Michael S. Hine
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97