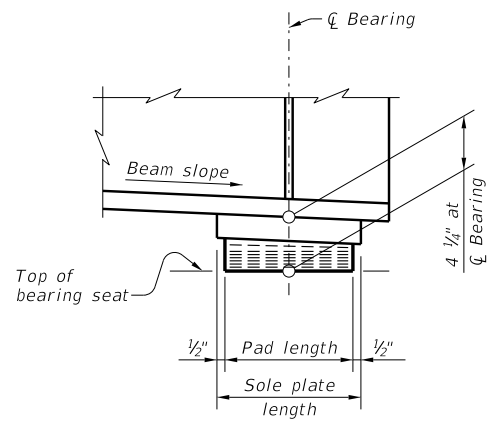
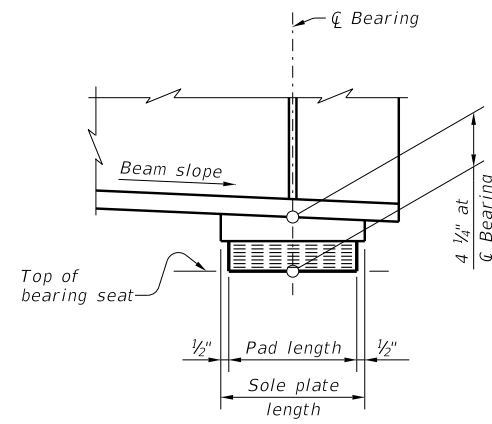


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DATE: FILE:

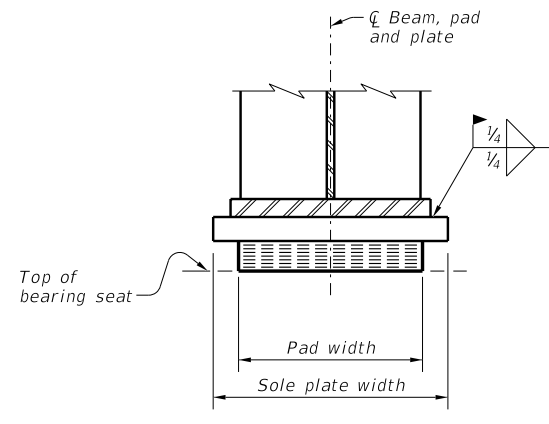


FOR BEAM SLOPES $\leq 3\%$

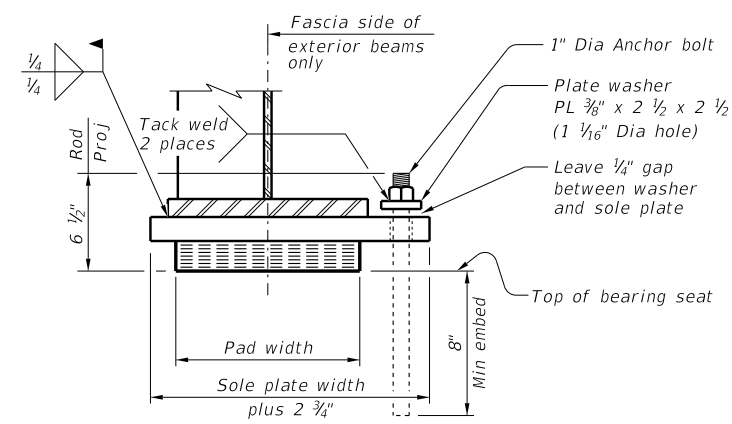


FOR BEAM SLOPES $> 3\%$

SIDE ELEVATION

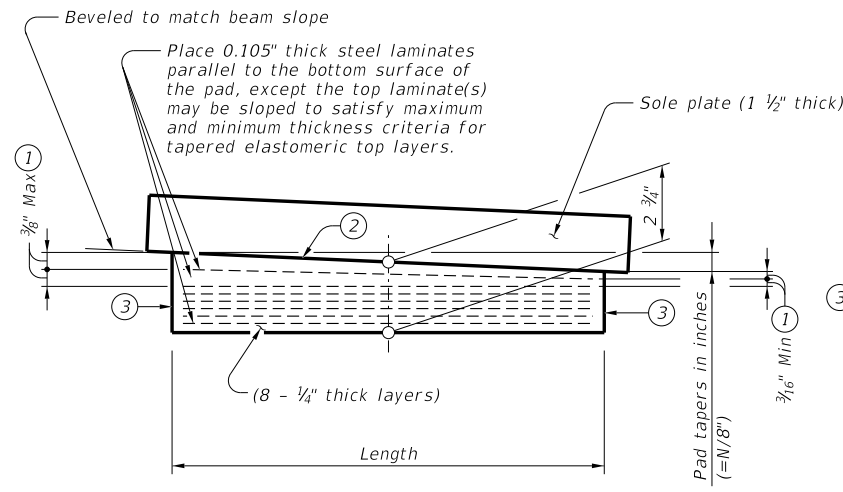


INTERIOR BEAMS

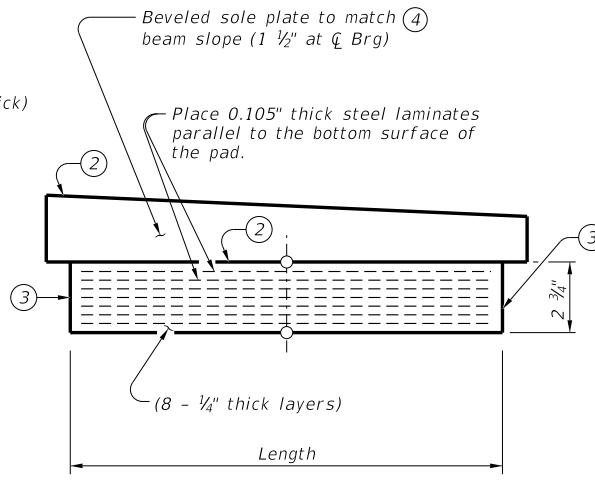


EXTERIOR BEAMS

TRANSVERSE SECTIONS



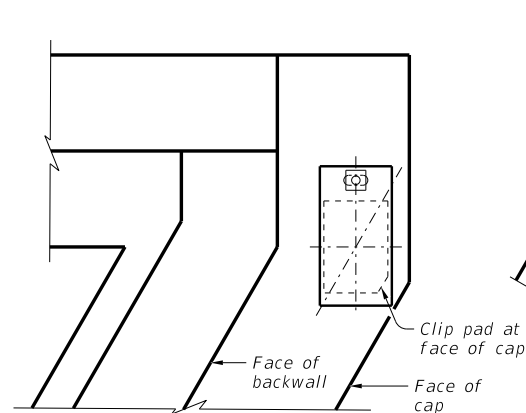
FOR BEAM SLOPES $\leq 3\%$
(Max Taper = 1/4")



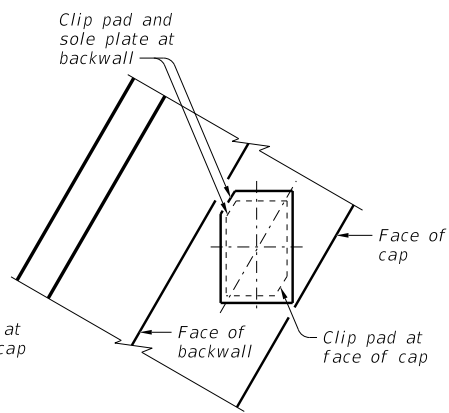
FOR BEAM SLOPES $> 3\%$

LAMINATED ELASTOMERIC BEARING PAD DETAILS

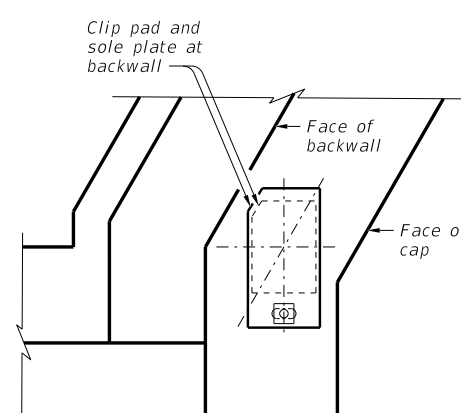
(50 Durometer) (Vulcanize sole plate to elastomer.)



EXT BEAM, OBTUSE CORNER



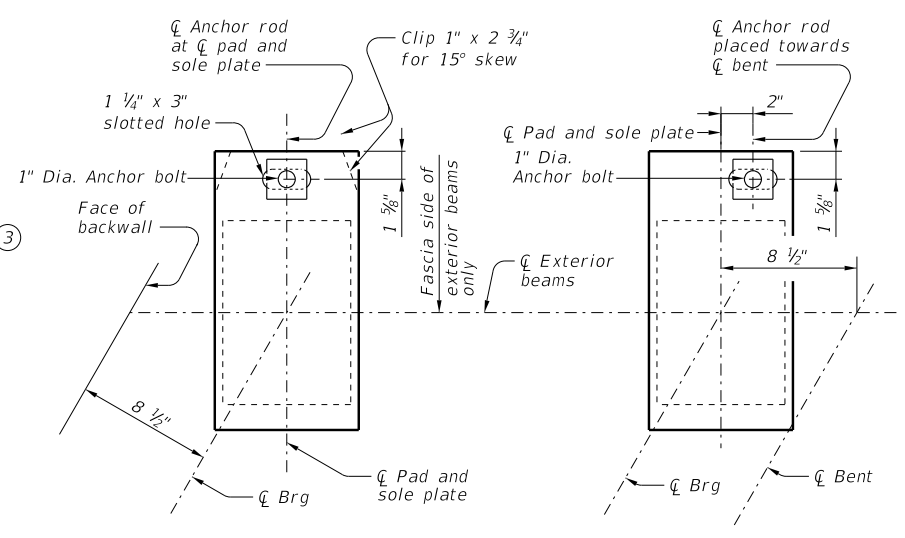
INT BEAM LOCATIONS



EXT BEAM, ACUTE CORNER

CORNER CLIP DETAILS

(For bearings at abutments skewed 30°.)

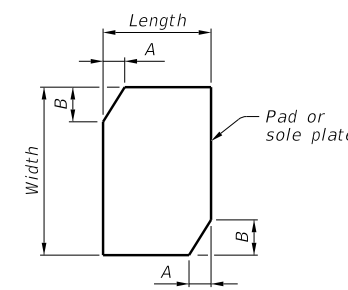


BEARING PLACEMENT AND ANCHOR ROD DETAILS

(Anchor rod for exterior beams only.)

PLAN AT ABUTMENTS

PLAN AT INT BENTS



CLIP DIMENSIONS

Bearing Type	Bearing Pad		Sole Plate	
	A	B	A	B
SB-1	1/2"	1"	2"	3 1/4"
SB-2	1"	2"	2 1/2"	4 1/4"
SB-3	1 3/4"	3"	3"	5 1/4"
SB-4	2 1/4"	4"	3"	5 1/4"

The details shown on this sheet are applicable for use only with the Steel Beam Standard Designs shown on Standards SBSD-24, SBSD-28 and SBSD-30.

All bearings on this standard require wood float bearing seat surfaces that are clean and free of all loose material before placement of bearings.

TABLE OF BEARING PAD DIMENSIONS

Bearing Type (2)	Bearing Pad		Sole Plate	
	Length	Width	Length	Width (5)
SB-1-"N"	8"	10"	9"	15"
SB-2-"N"	8"	12"	9"	17"
SB-3-"N"	8"	14"	9"	19"
SB-4-"N"	8"	16"	9"	19"

- Maximum and minimum layer thicknesses shown are for elastomer only, on tapered layers.
- Indicate "BEARING TYPE" on all pads. Locate BEARING TYPE on high side of tapered pads and beveled sole plates. The Fabricator must include the value of "N" (amount of taper in 1/8" increments) in this mark. Examples: N=0, (for 0" taper) N=1, (for 1/8" taper) N=2, (for 1/4" taper) Fabricated pad top surface slope must not vary from plan beam slope by more than (0.0625" / Length) IN/IN.
- Locate permanent mark here.
- Beveled steel plates (for beam slopes > 3%): For shop plans, establish one edge of beveled steel plates to nearest 1/16" based on required thickness at center of bearing and the slope of the fabricated beams. Thickness tolerance variation from the shop plans is plus or minus 1/16", except that the variation from a plane parallel to the theoretical top surface can not exceed 1/16" total.
- Add 2 3/4" at exterior beams for anchor rods.

MATERIAL NOTES:
For unpainted weathering steel bridges, use A588 steel for sole plate. Provide anchor bolts conforming to ASTM F1554 Grade 105 or ASTM A193 Grade B7. Provide nuts conforming to ASTM A563 Grade DH, heavy hex or A194 Grade 2H, heavy hex. Provide washers conforming to ASTM F436. Hot dip galvanize rod, nut, and washer as per Item 445, "Galvanizing". Sizing, drilling, and cleaning rod holes must follow the epoxy manufacturer's directions. Use a Type III (Class C) epoxy meeting the requirements of DMS-6100, "Epoxy and Adhesives". Mix and dispense adhesive with the manufacturer's static mixing nozzle/dual cartridge system.

GENERAL NOTES:
Shop drawings for approval are required. For painted bridges, portion of sole plate in contact with bearing does not need to be masked when applying the prime coat. A bearing layout which identifies location and orientation of all bearings must be developed by the bearing fabricator. Permanently mark each bearing in accordance with the bearing layout. A copy of the bearing layout is to be provided to the Engineer. Cost of furnishing and installing elastomeric bearings must be included in the unit price bid for "Structural Steel". Sole plates and anchor rods are included in structural steel pay weight, shown on standards SBSD-24, SBSD-28, and SBSD-30.

HL93 LOADING

Texas Department of Transportation
Bridge Division Standard

ELASTOMERIC BEARING DETAILS STEEL BEAM SPANS

SBEB

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