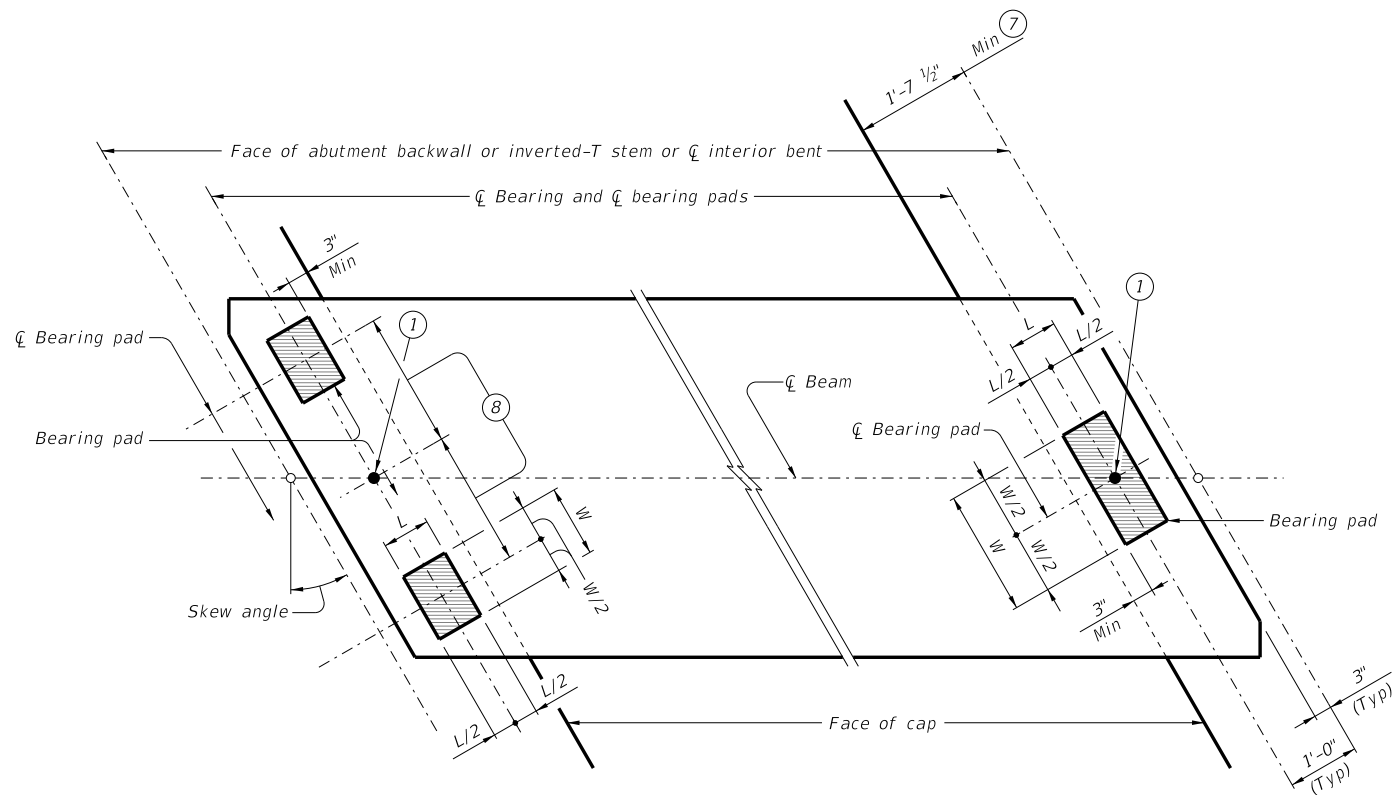


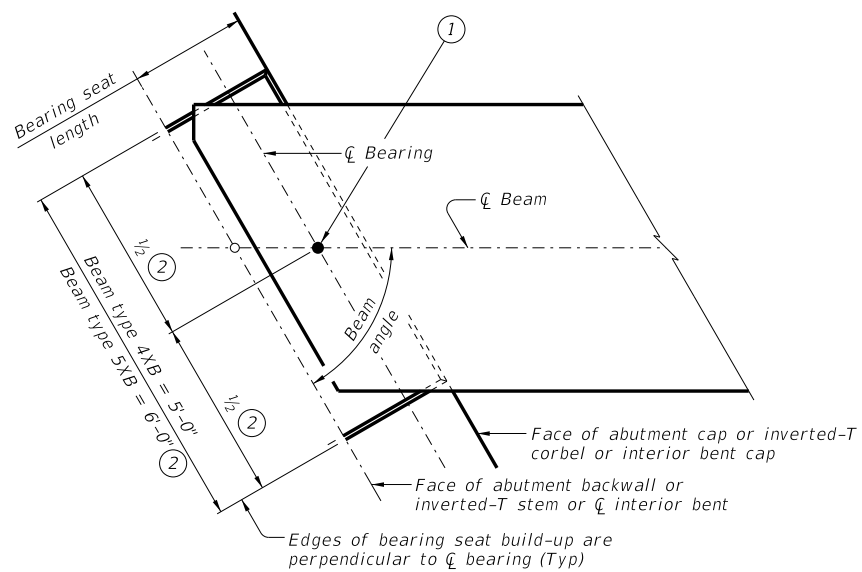
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DATE: FILE:



BEARING PAD PLACEMENT AND BEAM END DIAGRAMS

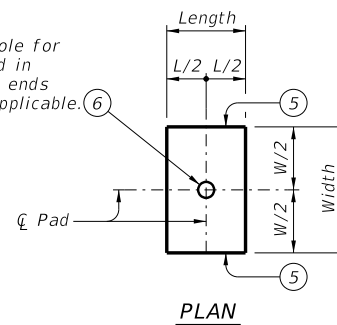
Place one bearing pad at forward station beam end.
Place two bearing pads at back station beam end.



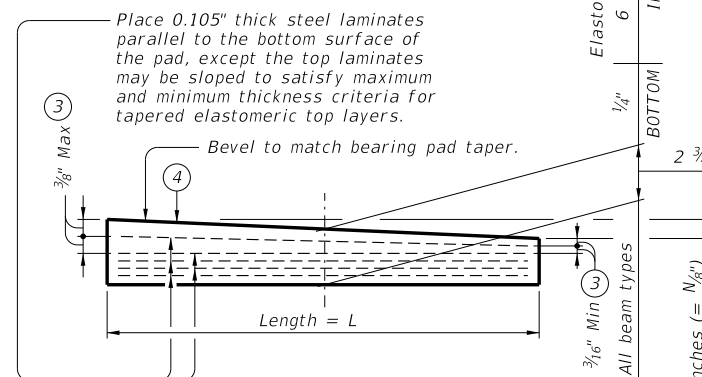
BEARING SEAT DIMENSIONS

Used when shown on abutment and/or bent details.

2" diameter hole for dowel. Located in one-pad beam ends only, where applicable.



PLAN



ELEVATION

LAMINATED ELASTOMERIC BEARING PAD

(50 DUROMETER)

TABLE OF BEARING PAD DIMENSIONS

BEARING TYPE (4)	BEAM TYPE	ONE PAD		TWO PADS	
		L	W	L	W
XB20-"N"	4XB20	7"	18"	7"	9"
	5XB20	7"	18"	7"	9"
XB28-"N"	4XB28	7"	18"	7"	10"
	5XB28	7"	18"	7"	10"
XB34-"N"	4XB34	7"	21"	7"	11"
	5XB34	7"	21"	7"	11"
XB40-"N"	4XB40	7"	21"	7"	12"
	5XB40	7"	21"	7"	12"

- (1) Dowel at doweled beam end [labeled (D) on Bridge Layout.] Required for outside beam only or as shown on substructure details.
- (2) Measured along centerline of bearing.
- (3) Maximum and minimum layer thicknesses shown are for elastomer only, on tapered layers.
- (4) Indicate BEARING TYPE on all pads. For tapered pads, locate BEARING TYPE on the high side. 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)
(etc.)
Fabricated pad top surface slope must not vary from plan beam slope by more than $(\frac{0.0625"}{Length})$ IN/IN.
- (5) Locate permanent mark here.
- (6) Provide 2" diameter hole only at locations required. See substructure details for location.
- (7) Minimum dimension required for the bearings shown on this standard.
- (8) 4XB beams = 1'-2" along centerline of bearing (Typ.)
5XB beams = 1'-8" along centerline of bearing (Typ.)

GENERAL NOTES:

Set beams on elastomeric bearings of the dimensions shown. Center bearings as near nominal centerline of bearing as possible within limits shown. Constant thickness bearings may be used for moderate pad tapers up to 0.008 ft/ft. Shop drawings for approval are required. 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. Provide copy of the bearing layout to the Engineer. See Bearing Pad Taper Report sheet for Fabricator's Report of bearing pad taper. Cost of furnishing and installing elastomeric bearings is to be included in unit price bid for "Prestressed Concrete X-Beams." Details are drawn showing right forward skew. See Bridge Layout for actual direction. These details are applicable for skews up to 30 degrees only.

HL93 LOADING

Texas Department of Transportation Bridge Division Standard

ELASTOMERIC BEARING AND BEAM END DETAILS PRESTRESSED CONCRETE X-BEAMS

XBEB

FILE: XB-XBEB-22.dgn	DN: JMH	CK: TAR	DW: JER	CK: TAR
©TxDOT August 2022	CONT	SECT	JOB	HIGHWAY
REVISIONS	DIST	COUNTY	SHEET NO.	