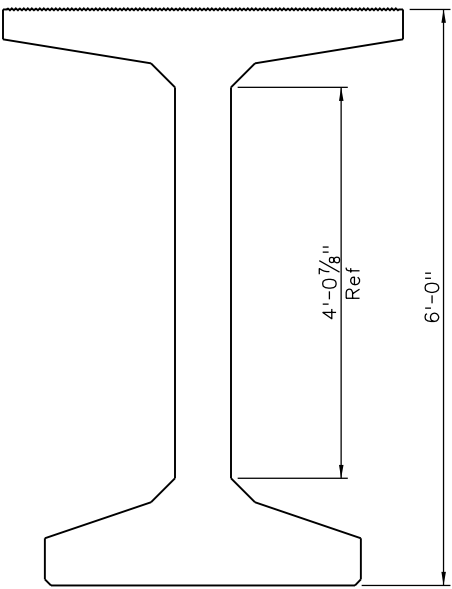


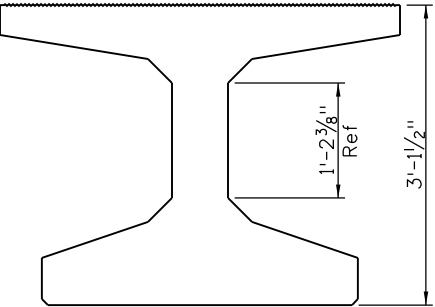
Revision Dates			
6/19	7/19	6/20	3/23
			9/ 24

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

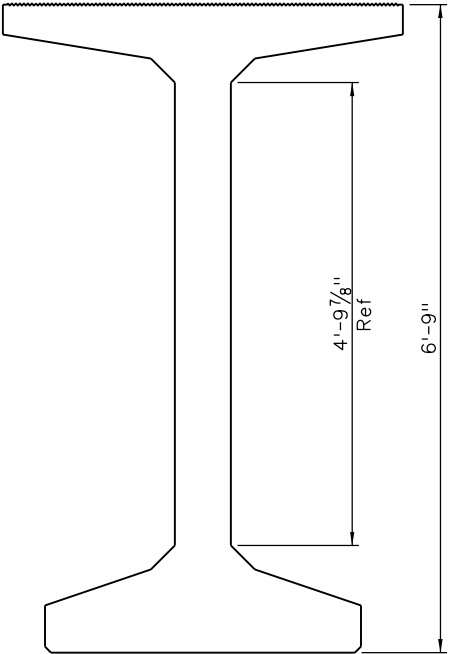
\$PLOT_INFO\$



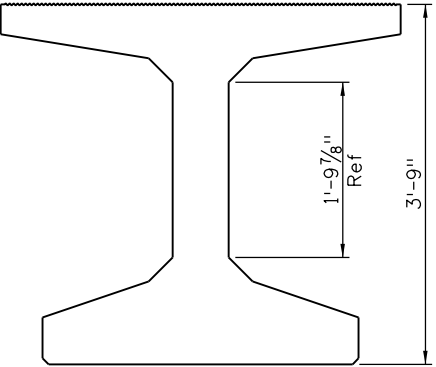
CBT 72 DETAIL



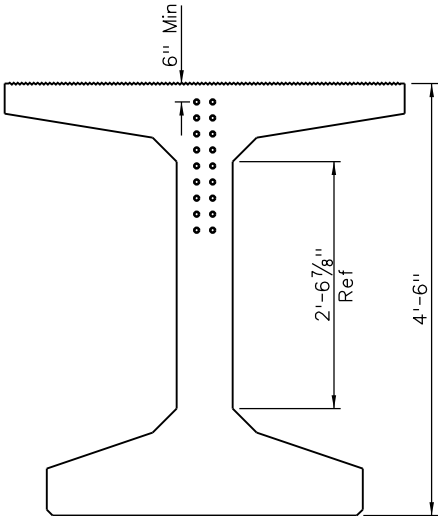
CBT 37.5 DETAIL



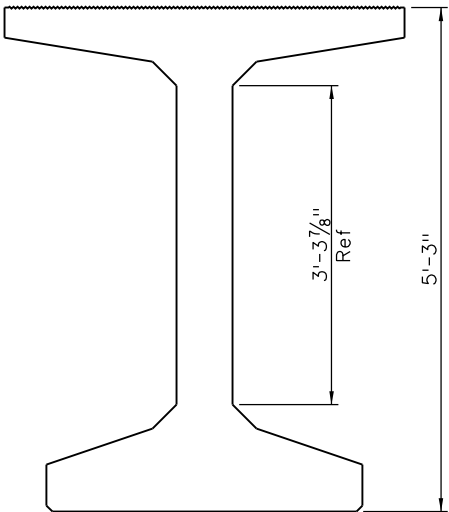
CBT 81 DETAIL



CBT 45 DETAIL

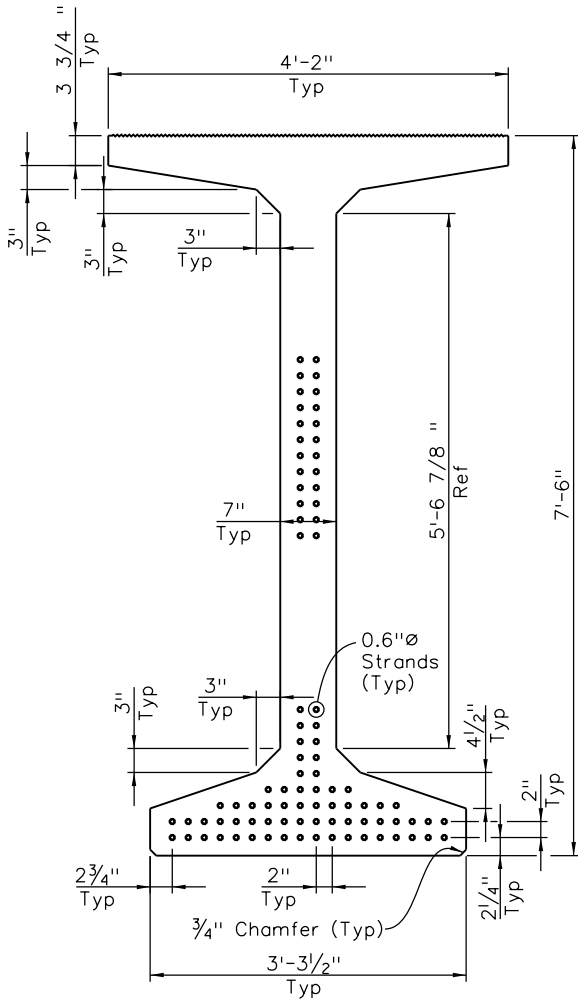


CBT 54 DETAIL



CBT 63 DETAIL

B-618-CBT2



CBT 90 DETAIL

COLORADO BULB TEE GIRDERS, CBTXX

Girder Type	Depth (In)	Weight (Lb/Ft) ✚	Area (In ²)	Ix CG (In ⁴)	Iy CG (In ⁴)	Yb (In)
CBT37.5	37.5	853	792	151,579	88,998	18.50
CBT45	45	910	845	240,424	89,212	22.08
CBT54	54	977	908	378,473	89,469	26.40
CBT63	63	1045	971	553,233	89,727	30.74
CBT72	72	1113	1034	767,268	89,984	35.10
CBT81	81	1181	1097	1,023,130	90,241	39.48
CBT90	90	1249	1160	1,323,390	90,498	43.87

Girder dimensions are similar except as shown

✚ Based on 155 Lb/CF

Designer & Detailer:

Maximum harp height is the lower of 6" from the top of girder or 60"-66" dependent on precast bed configuration. Max force 2800 kips.

Straight debonded strand designs are preferred over harped strand designs (girders less than 100 feet should only use straight strands).

All seals for this set of drawings are applied to the cover page(s)

Print Date: \$DATE\$
File Name: Sheet_B-618-CBT2.dgn
Horiz. Scale: None Vert. Scale: As Noted
Unit Information Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

Colorado Department of Transportation



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Staff Bridge Branch

Initials

As Constructed		PRESTRESSED CONCRETE CBT			Project No./Code
No Revisions:					Project Number
Revised:	Designer:	XXXXXXXX	Structure Numbers	X-XX-XX	Code
	Detailer:	XXXXXXXX		X-XX-XX	
Void:	Sheet Subset:	BRIDGE	Subset Sheets: BXX of XXX		Sheet Number