

AISC Beam Cambering Tolerances As taken from section 6.4.4

Tolerance should be as per AISC code – cambering tolerance for beams 50' long is $-0''/+1/2''$ plus an additional $+1/8''$ for each additional 10' of beam length.

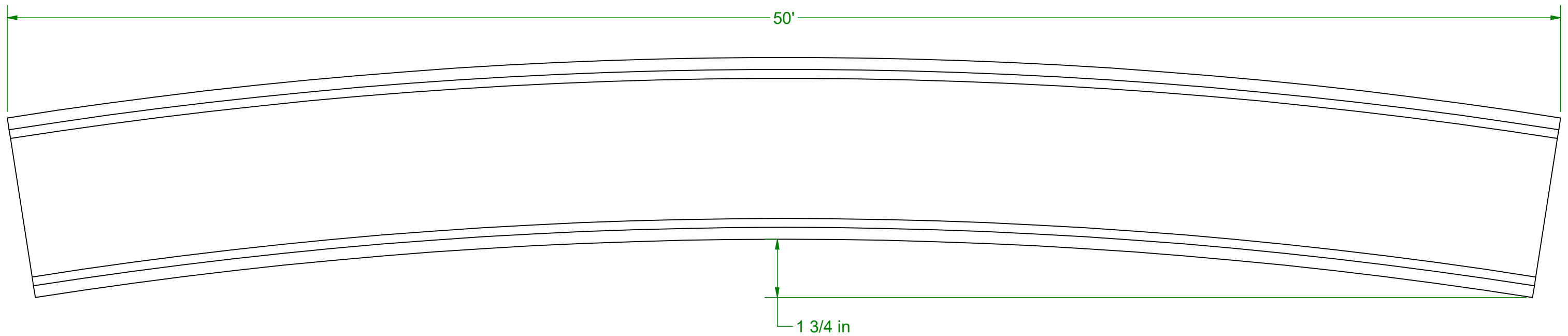
This should be compared to stated tolerances on the dwgs.

For the purposes of comparative values, use the same logic for beams shorter than 50'. Subtract an $1/8''$ for every 10' that beams are shorter than 50'.

70'	$-0''/+3/4''$	\	
60'	$-0''/+5/8''$		
50'	$-0''/+1/2''$		Camber of less than 2" can be done in 3 hits or less
40'	$-0''/+3/8''$	/	
30'	$-0''/+1/4''$	\	
20'	$-0''/+1/8''$	/	Camber of less than 1/2" can be done in 2 hits


Normal Cambering would be $1.75 - 2''$ on a 50' member. Deeper cambering is occasionally required and is possible within certain limits and conditions.

The amount of cambering must be checked with the beam in an unstressed condition (laying on it's side)



Typical cambering on a section like this may be 1 3/4"
 Therefore the cambering range to be within
 tolerance is 1 3/4" - 2 1/4"

N/A

 Atlas INDUSTRIES LTD.	220 AVE J S SASKATOON, SK 306-244-1133	MM/DD/YYYY	TITLE	MATERIAL: Steel, Carbon
		DRAWN: MOH 10/18/2021	Cambering - Beam	DRAWING NUMBER: WORK ORDER-1-A
		APPROVED:		REVISION: A
		DEFAULT TOLERANCES U.N.O.	CLIENT: Atlas Industries	SHEET SIZE: B
<small>UNLESS SPECIFIED OTHERWISE THIS DRAWING INFORMATION AND SUBJECT MATTER IS THE SOLE AND EXCLUSIVE PROPERTY OF ATLAS INDUSTRIES LTD AND IS NOT TO BE COPIED OR REPRODUCED IN ANY WAY.</small>		SAW ±1/8" TORCH ±1/8" FAB ±1/8" ANGULAR ±1° HOLES ±1/64" R, ±1/32" L		SHEET: 1 OF 1

