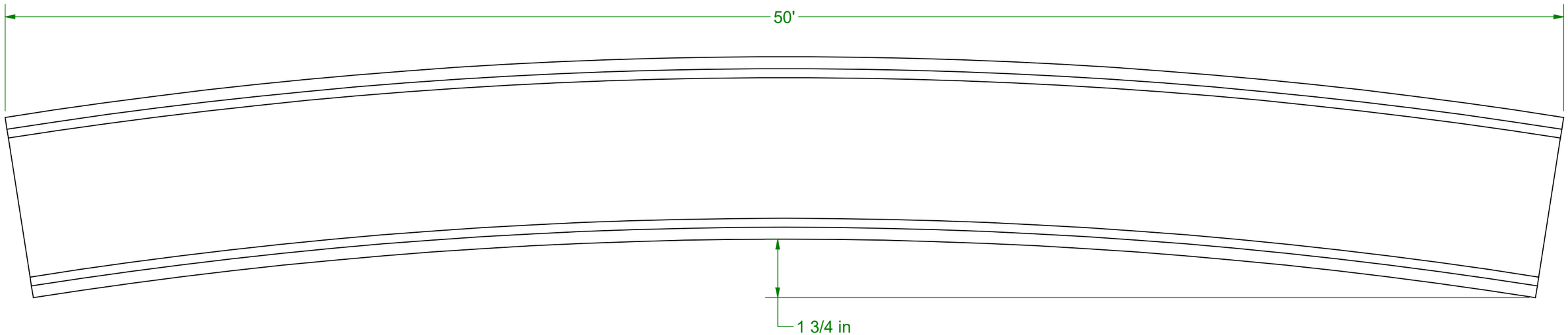
AISC Beam Cambering Tolerances
As taken from section 6.4.4

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” **Camber of less than 2” can be done in 3 hits or less**
50’ -0”/+1/2”
/
40’ -0”/+3/8”

30’ -0”/+1/4” ** **Camber of less than 1/2” can be done in 2 hits
20’ -0”/+1/8” /

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

220 AVE J S
SASKATOON, SK
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Atlas INDUSTRIES LTD.

		MM/DD/YYYY
DRAWN:	MOH	10/18/2021
APPROVED:		

DEFAULT TOLERANCES U.N.O.

SAW ±1/16″ TORCH ±1/8″
FAB ±1/16″ ANGULAR ±1°
HOLES ±1/64″ R, ±1/32″ L

TITLE

Cambering - Beam

MATERIAL: Steel, Carbon

DRAWING NUMBER: **WORK ORDER-1-A**

REVISION **A**

CLIENT: Atlas Industries

SHEET SIZE: **B**

SHEET: **1** OF **1**


21x44