COMPANY | PROJECT

DESIGN RESULTS - CSA-O86-19

DESIGN DATA:
Type: Pinned base; Load face = width(b);
Material: CLT
Ke x Ld: 1.0 x 4.5 = 4.5 m ;
Total length: 4.50 [m]

LOADS: (force=kN, pressure=kN/m2, udl=kN/m, location=m)
>>Self-weight automatically included<<

Load	Type	Distribution	Location Start	Location End	Magnitude Start	Magnitude End	Unit	Orient
Load1	Dead	Axial UDL	(Ecc. = Auto)		50.00		kN/m	Axial
Load2	Snow	Axial UDL	(Ecc. = Auto)		100.00		kN/m	Axial

Load magnitude does not include Normal Importance factor from NBC Tables 4.1.6.2, 4.1.7.3, 4.1.8.2 which is applied during analysis.

SUGGESTED SECTIONS that PASSED the CODE CHECK:

	Species Grade	bxd mm	Axial Pf/Pr	Bending Mf/Mr	Comb'd	Shear Vf/Vr	Disp./ Allow.	Volume m^3
	S-P-F							
1	E1	1000x105	0.69	0.10	0.90	0.03	0.17	0.473

Comb'd = (Pf/Pr)^2 + Mf/(Mr(1-Pf/Pe)).
>>For more detailed output, select a Suggested Section from the Data Bar.<<

DESIGN NOTES:

1. WoodWorks analysis and design are in accordance with the 2015 National Building Code of Canada (NBC), Division B, Part 4, and the CSA O86 - 19 Engineering Design in Wood standard.
2. Please verify that the default deflection limits are appropriate for your application.
3. Design ratios shown are for axial loads with zero eccentricity. Auto-eccentricity is applied during detailed design check, and may cause a section shown here as passing to fail.