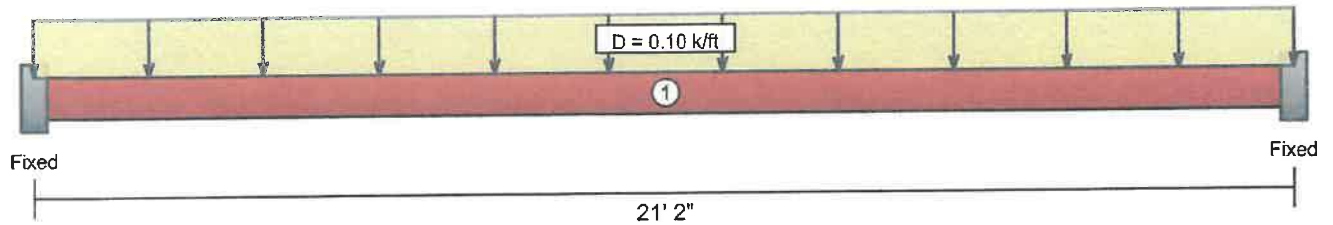




HSS8X8X3/8



✓ Design OK

AISC 360-16 LRFD - HSS8X8X3/8 Steel A36

✓ Bending	0.09	✓ Shear	0.02
Mu (Demand)	-7.19 kip-ft	Vu (Demand)	2.04 kips
Φ Mn (Capacity)	79.38 kip-ft	ΦVn (Capacity)	89.61 kips
Controlling Equation	F7.1: Yielding	Controlling Equation	G2.1: Nominal Shear Strength
Location	0' 0"	Location	0' 0"
Load Combination	1.4D	Load Combination	1.4D

✓ Deflection	0.12	Design Info	AISC 360-16 LRFD
Based On	Service Cases	Shape Type	HSS8X8X3/8
Controlling Service Case	D + L	Weight	37.61 lbs/ft
Max Dy	-0.04 in = L/950	Self Weight	Included
Live Load Limit	L/720	Ix	100 in <sup>4</sup>
Dead + Live Limit	L/720	Iy	100 in <sup>4</sup>
Snow or Wind Limit	L/360	Cross Section Rotation	0°
Total Load Limit	L/720	Bracing	Continuous

