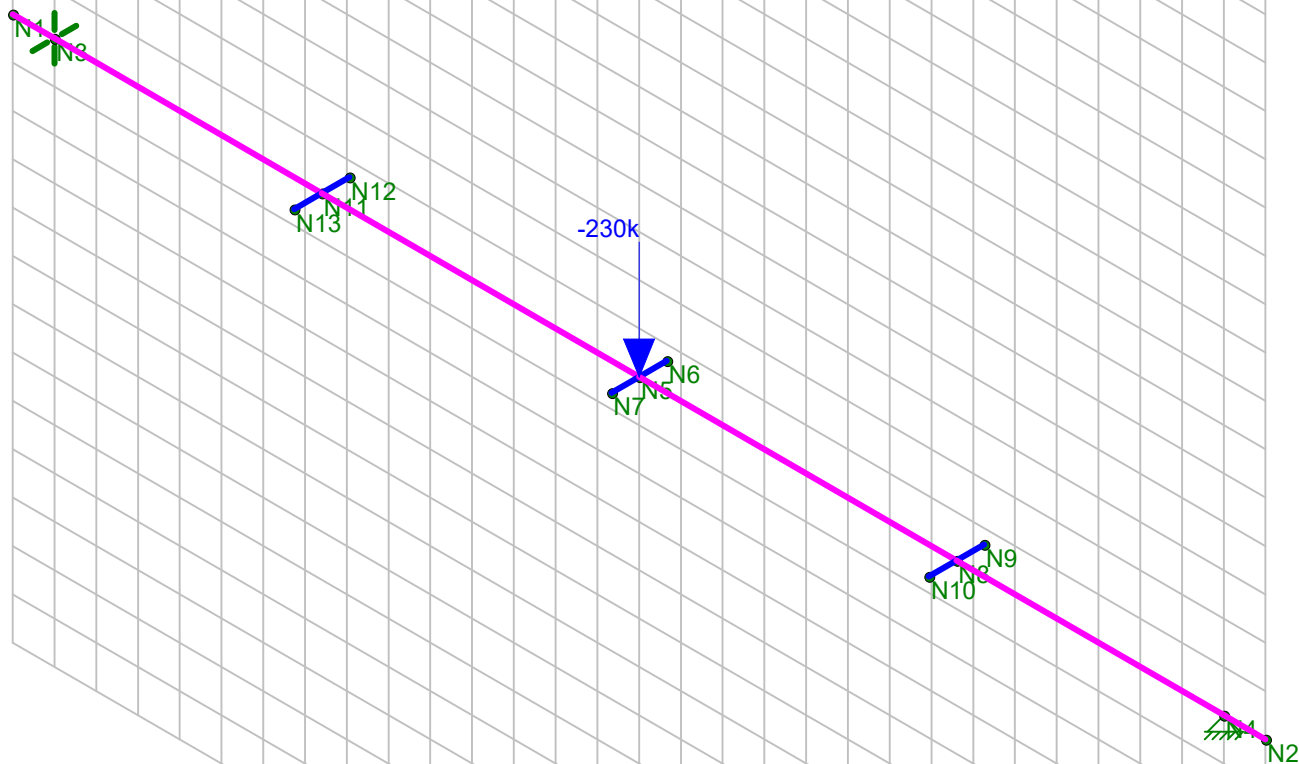
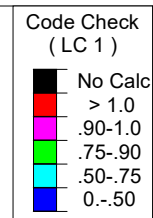
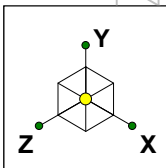




Loads: BLC 1,

SK - 2

Aug 7, 2019 at 9:22 AM

untitled.r3d

Beam: **M1**

Shape: **W33X241**

Material: **A36 Gr.36**

Length: **30 ft**

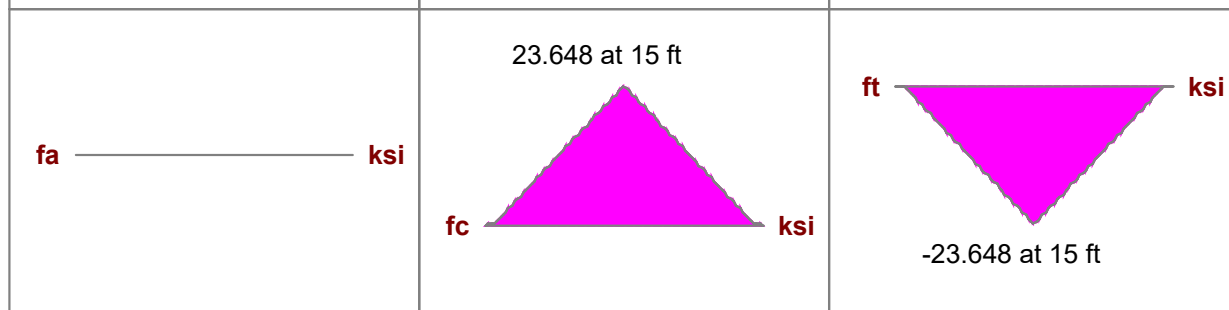
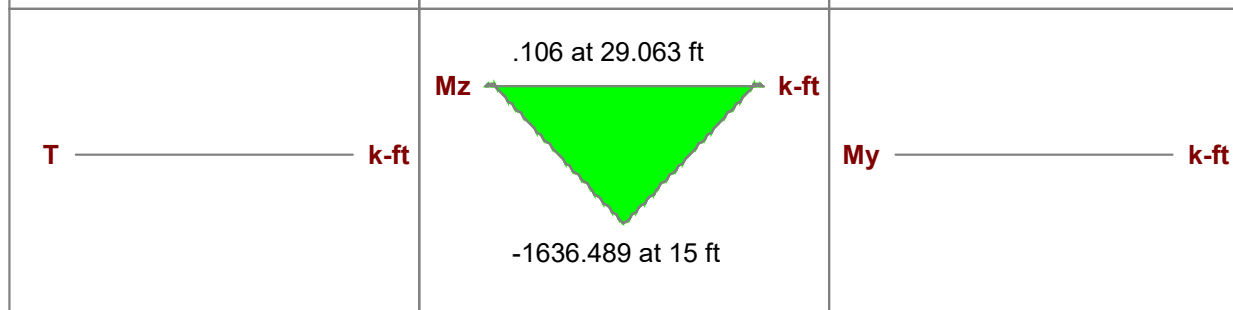
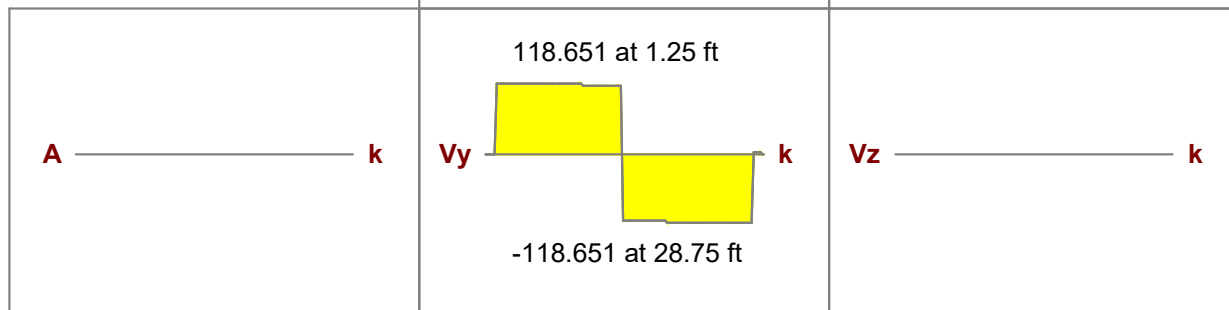
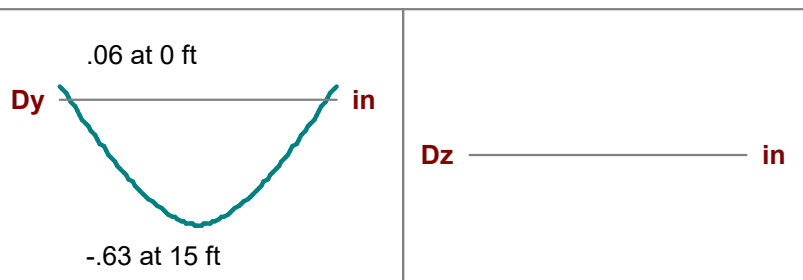
I Joint: **N1**

J Joint: **N2**

LC 1: **pointloadmax**

Code Check: **0.969 (bending)**

Report Based On 97 Sections



AISC 14th(360-10): ASD Code Check

Direct Analysis Method

Max Bending Check **0.969**
Location **15 ft**
Equation **H1-1b**

Max Shear Check **0.290 (y)**
Location **1.25 ft**

Max Defl Ratio **L/397**
Location **0 ft**
Span **1**

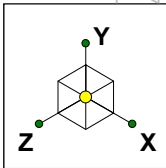
Bending Flange **Compact**
Bending Web **Compact**

Compression Flange **Non-Slender**
Compression Web **Non-Slender**

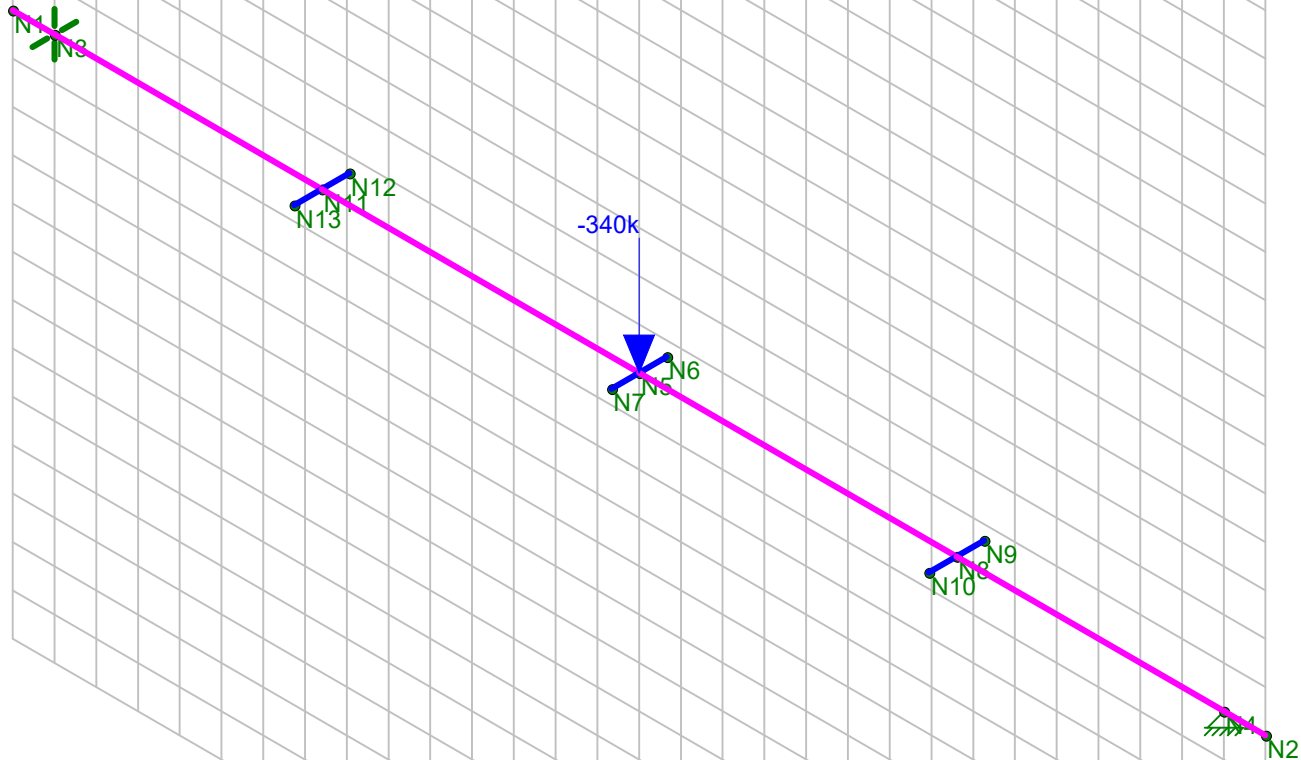
Fy **36 ksi**
Pnc/om **911.282 k**
Pnt/om **1532.695 k**
Mny/om **326.946 k-ft**
Mnz/om **1688.623 k-ft**
Vny/om **408.758 k**
Vnz/om **575.828 k**
Cb **1.343**

Lb **30 ft**
KL/r **99.379**
L Comp Flange **30 ft**
L-torque **30 ft**
Tau_b **1**

z-z
30 ft
25.474



Code Check (LC 1)	
	No Calc
	> 1.0
	.90-1.0
	.75-.90
	.50-.75
	0.-.50



Loads: BLC 1,

SK - 1
Aug 7, 2019 at 9:21 AM
untitled.r3d

Beam: **M1**

Shape: **W33X241**

Material: **A36 Gr.36**

Length: **30 ft**

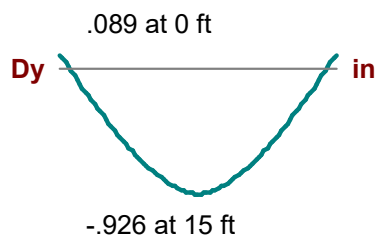
I Joint: **N1**

J Joint: **N2**

LC 1: **pointloadmax**

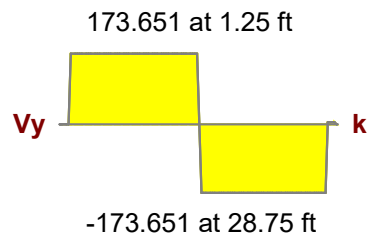
Code Check: **0.948 (bending)**

Report Based On 97 Sections



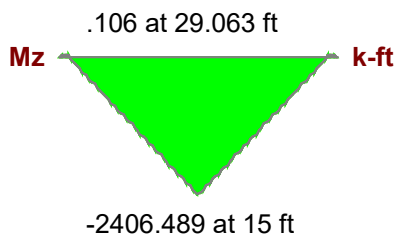
Dz in

A k



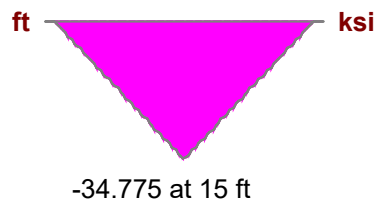
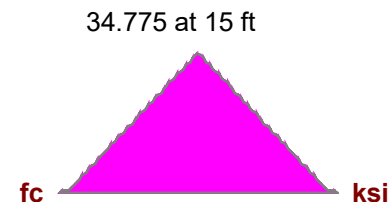
Vz k

T k-ft



My k-ft

fa ksi



AISC 14th(360-10): LRFD Code Check

Direct Analysis Method

Max Bending Check **0.948**
Location **15 ft**
Equation **H1-1b**

Max Shear Check **0.283 (y)**
Location **1.25 ft**

Max Defl Ratio **L/270**
Location **0 ft**
Span **1**

Bending Flange **Compact**
Bending Web **Compact**

Compression Flange **Non-Slender**
Compression Web **Non-Slender**

Fy **36 ksi**
phi*Pnc **1369.656 k**
phi*Pnt **2303.64 k**
phi*Mny **491.4 k-ft**
phi*Mnz **2538 k-ft**
phi*Vny **613.138 k**
phi*Vnz **865.469 k**
Cb **1.344**

Lb y-y **30 ft**
KL/r **99.379**
L Comp Flange **30 ft**
L-torque **30 ft**
Tau_b **1**

z-z **30 ft**
25.474