

Beam: **M16**

Shape: **2X4**

Material: **HF STUD**

Length: **6 ft**

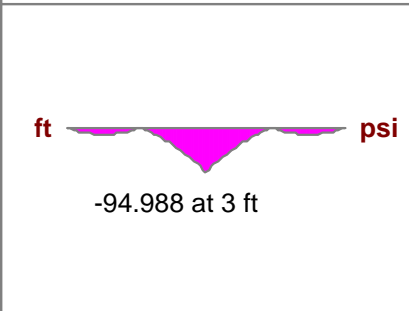
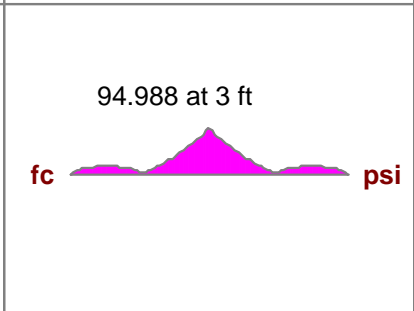
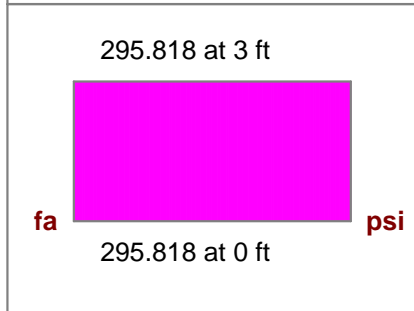
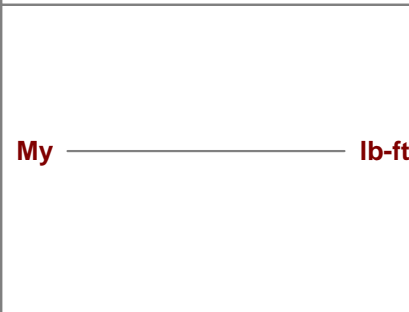
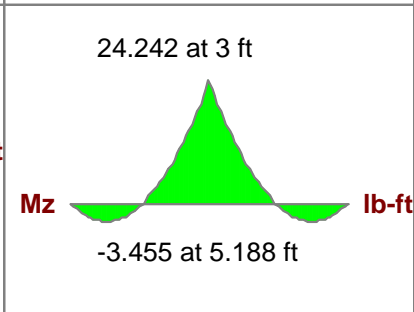
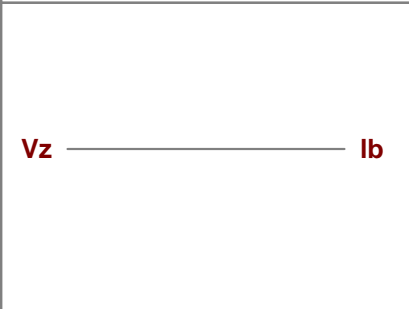
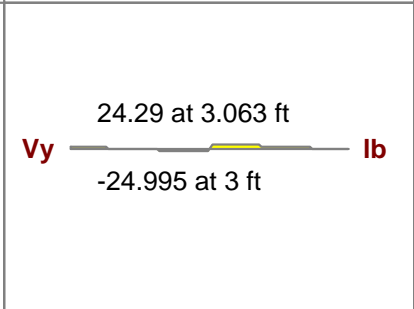
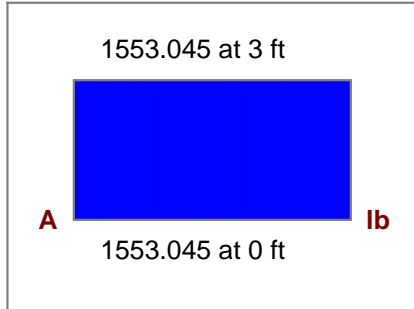
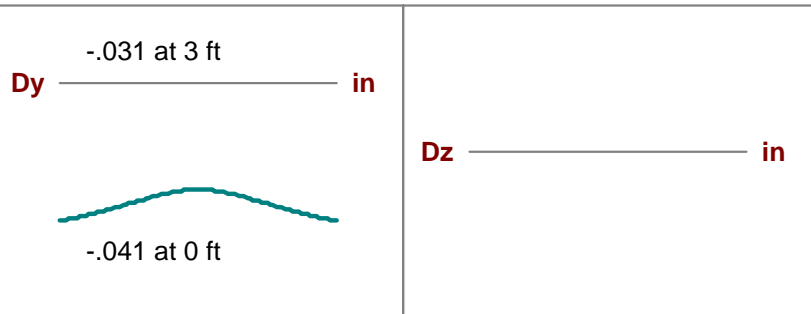
I Joint: **N4**

J Joint: **N9**

LC 1:

Code Check: **0.579 (bending)**

Report Based On 97 Sections



AF&PA NDS-12: ASD Code Check

Max Bending Check **0.579**

Location **3 ft**

Equation **3.6.3**

CD **1.15**

RB **10.583**

Cr **1**

Cfu **1.1**

Max Shear Check **0.041 (y)**

Location **3 ft**

Max Defl Ratio **L/7674**

CL **.989**

CP **.529**

	(psi)	Cm	Ct	CF
Fc'	510.89	1	1	1.05
Ft'	506	1	1	1.1
Fb1'	844.616	1	1	1.1
Fb2'	939.263	1	1	1.1
Fv'	172.5	1	1	
E'	1.2e+6	1	1	

	y-y	z-z
Lb	3 ft	3 ft
le/d	24	10.286
Sway	No	No
Le-Bending Top	3 ft	
Le-Bending Bot	6 ft	