

Steel Check Report

Project:: Lesson2 (C:\DCC\VersaFrame8\Projects\Lesson2_Done)
 Description:
 Date: 04/15/2020 12:23 PM

Company:
 User:
 Software: Digital Canal VersaFrame

Code Check Results (ASD 13)

CRITICAL STRESS SUMMARY

ID	Section Name	Status	Governing Criteria	Stress Ratio	Load Combination	Distance (ft)
2	W10X22	OK	Total Deflection Y	0.7859	With_Wind	9.0000
3	W10X49	OK	Axial-Bending	0.0766	With_Wind	12.000
4	HSS4X4X1/8	OK	Axial-Bending	0.0882	With_Wind	10.817
5	HSS4X4X1/8	OK	Axial-Bending	0.0426	With_Wind	10.817
6	HSS4X4X1/8	OK	Axial-Bending	0.0882	With_Wind	10.817
7	HSS4X4X1/8	OK	Axial-Bending	0.0426	With_Wind	10.817

CRITICAL STRESS DETAILS FOR MEMBER 1

Section Name: W10X49 Status: OK

	Unit	Load Effects	Resistance	Ratio	Load Combination	Distance (ft)
Axial	kips	8.8283	73.837	0.1196	Dead_Only	12
Bending-X	ft-kips	0.0000	143.29	0.0000	Dead_Only	12
Bending-Y	ft-kips	-0.0000	70.609	-0.0000	Dead_Only	12
Interaction	-	-	-	0.0598	Dead_Only	12
Shear-X	kips	0.0000	201.20	0.0000	-	0
Shear-Y	kips	-0.000	68.000	0.0000	With_Wind	12
Total Defl-X	in	0.0000	0.6000	0.0000	-	0
Total Defl-Y	in	0.0000	0.6000	0.0000	With_Wind	8.1
Live Defl-X	in	0.0000	0.4000	0.0000	-	0
Live Defl-Y	in	0.0000	0.4000	0.0000	Just_Wind	6.9

SELECTED LOAD COMBINATIONS

Load Combination	Code Check	Total	Live	Dependent	Conditional
Dead_Only	x			-	-
With_Wind	x	x		-	-
Just_Wind			x	-	-