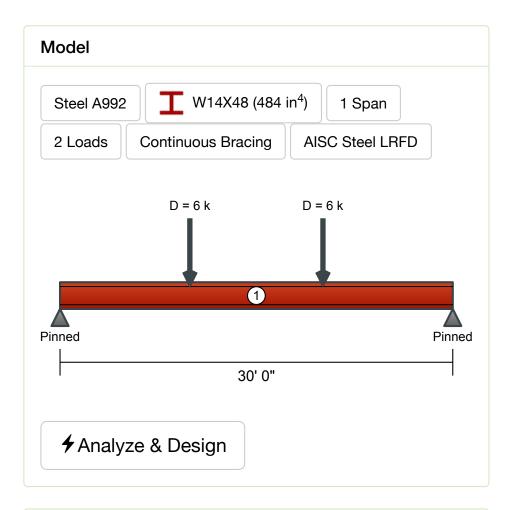
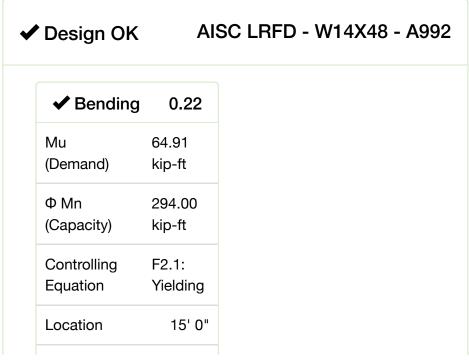
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Load Combo 1.4D

✓ Deflect	ion 0.77
Based On	Service Cases
Max Service Case	Wind Limit
Max Dy	-0.766 in = L/470
Live Load Limit	L/360
Dead + Live Limit	L/360
Snow or Wind Limit	L/360
Total Load Limit	L/240

✓ Shear	0.05
Vu (Demand)	-6.69 kip
ΦVn (Capacity)	140.76 kip
Controlling Equation	G2.1: Nominal Shear Strength
Location	28' 9"
Load Combo	1.4D

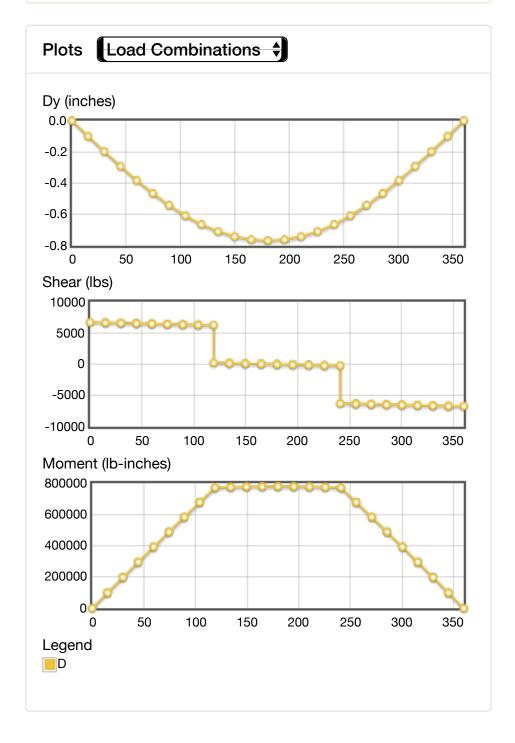
Design Info			
Shape Type	W14X48		
Weight	48.00 lbs/ft		
Self Weight	Included		
lx	484.00 in 4		
Bracing	Continuous Bracing		

## Fy Reactions (lbs)

Support	D	L	Lr	s	W	E	Н	R
0	6720	0	0	0	0	0	0	0
1	6720	0	0	0	0	0	0	0

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Mz Reactions (lb-in)							
D	L	Lr	S	W	Е	Н	R
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
	<b>D</b>	<b>D L</b> 0 0	<b>D L Lr</b> 0 0 0	D         L         Lr         S           0         0         0         0	D         L         Lr         S         W           0         0         0         0         0	D         L         Lr         S         W         E           0         0         0         0         0         0	D         L         Lr         S         W         E         H           0         0         0         0         0         0         0



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Numerical Results Load Combination \$ D \$



## **Extremes**

Туре	Value	Location
Max dy (in)	180	-0.77
Max Shear (lbs)	0	6690
Max Moment (lb-in)	180	778878

## **Details**

Location (in)	Dy (in)	Shear (lbs)	Moment (lb-in)
0	0	6690	74
14.88	-0.1	6690, 6631	99591
29.75	-0.2	6631, 6571	198224
44.63	-0.29	6571, 6512	295971
59.5	-0.38	6512, 6452	392833
74.38	-0.46	6452, 6393	488810
89.25	-0.54	6393, 6333	583903
104.13	-0.61	6333, 6274	678110
119	-0.66	6274, 213	771432
134.25	-0.71	213, 152	774691
149.5	-0.74	152, 91	777017
164.75	-0.76	91, 31	778412
180	-0.77	31, -30	778878

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210.5       -0.74       -91, -152       777017         225.75       -0.71       -152, -213       774691         241       -0.66       -213, -6274       771436         255.88       -0.61       -6274, -6333       678110         270.75       -0.54       -6333, -6393       583903         285.63       -0.46       -6393, -6452       488810         300.5       -0.38       -6452, -6512       392833         315.38       -0.29       -6512, -6571       295971         330.25       -0.2       -6571, -6631       198224         345.13       -0.1       -6631, -6690       99591         360       0       -6690       74	195.25	-0.76	-30, -91	778412
241       -0.66       -213, -6274       771436         255.88       -0.61       -6274, -6333       678110         270.75       -0.54       -6333, -6393       583903         285.63       -0.46       -6393, -6452       488810         300.5       -0.38       -6452, -6512       392833         315.38       -0.29       -6512, -6571       295971         330.25       -0.2       -6571, -6631       198224         345.13       -0.1       -6631, -6690       99591	210.5	-0.74	-91, -152	777017
255.88       -0.61       -6274, -6333       678110         270.75       -0.54       -6333, -6393       583903         285.63       -0.46       -6393, -6452       488810         300.5       -0.38       -6452, -6512       392833         315.38       -0.29       -6512, -6571       295971         330.25       -0.2       -6571, -6631       198224         345.13       -0.1       -6631, -6690       99591	225.75	-0.71	-152, -213	774691
270.75       -0.54       -6333, -6393       583903         285.63       -0.46       -6393, -6452       488810         300.5       -0.38       -6452, -6512       392833         315.38       -0.29       -6512, -6571       295971         330.25       -0.2       -6571, -6631       198224         345.13       -0.1       -6631, -6690       99591	241	-0.66	-213, -6274	771436
285.63       -0.46       -6393, -6452       488810         300.5       -0.38       -6452, -6512       392833         315.38       -0.29       -6512, -6571       295971         330.25       -0.2       -6571, -6631       198224         345.13       -0.1       -6631, -6690       99591	255.88	-0.61	-6274, -6333	678110
300.5       -0.38       -6452, -6512       392833         315.38       -0.29       -6512, -6571       295971         330.25       -0.2       -6571, -6631       198224         345.13       -0.1       -6631, -6690       99591	270.75	-0.54	-6333, -6393	583903
315.38       -0.29       -6512, -6571       295971         330.25       -0.2       -6571, -6631       198224         345.13       -0.1       -6631, -6690       99591	285.63	-0.46	-6393, -6452	488810
330.25 -0.2 -6571, -6631 198224 345.13 -0.1 -6631, -6690 99591	300.5	-0.38	-6452, -6512	392833
345.13 -0.1 -6631, -6690 99591	315.38	-0.29	-6512, -6571	295971
·	330.25	-0.2	-6571, -6631	198224
360 0 -6690 74	345.13	-0.1	-6631, -6690	99591
	360	0	-6690	74