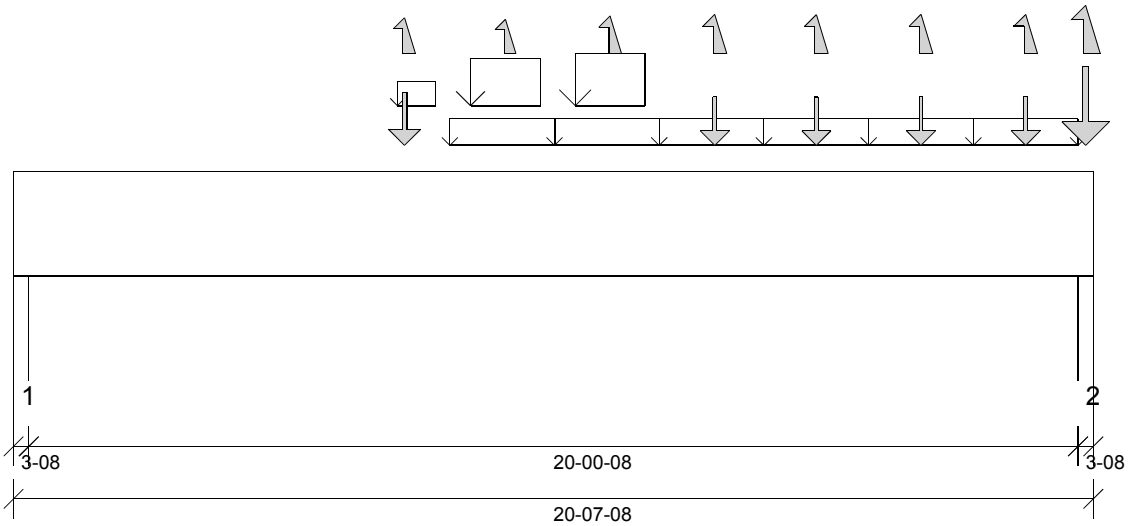


Graphical Illustration - Not To Scale
Member Cut Length - 20-07-08
MemberPitch - 0/12

Design Information:

Building Code:	IRC2015	Floor Dead Load:	10.0 lb/ft²	Roof Dead Load:	10.0 lb/ft²	Ground Snow Load:	20.0 lb/ft²
Design Methodology:	ASD	Floor Live Load:	40.0 lb/ft²	Roof Live Load:	20.0 lb/ft²		
		Unbraced Length	Top: 7-04-00	Bottom: 7-00-08			

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	11-04-00	40612.34 lb ft	137303.22 lb ft		Passed - 30%	1.15	D + 0.75(L + Lr)
Critical Moment (Neg)	11-04-12	-7593.36 lb ft	191030.56 lb ft		Passed - 4%	1.60	0.6D + 0.6W
Critical Shear	18-04-00	7867.87 lb	28014.00 lb		Passed - 28%	1.15	D + 0.75(L + Lr)
Live Load Deflection	10-08-13	0-02	0-12 (L/360)		Passed - L/999	-	0.75(L + Lr + 0.6W)
Total Load Deflection	10-08-01	0-04	1-00 (L/240)		Passed - L/909	-	D + 0.75(L + Lr + 0.6W)
Max. Reaction			Supported Mtl	Supporting Mtl			
	2-08	4780.74 lb	13781.25 lb	16078.13 lb	Passed - 35%	1.15	D + 0.75(L + Lr)
	2-08	-721.65 lb	0.00 lb	-		1.60	0.6D + 0.6W
	20-05-00	11830.65 lb	13781.31 lb	16078.20 lb	Passed - 86%	1.15	D + 0.75(L + Lr)
	20-05-00	-2292.55 lb	0.00 lb	-		1.60	0.6D + 0.6W

Design Notes:

* Member design assumed proper ply to ply connection by others. Fastener spacing along length of member must not exceed 4 times depth of member. Verify connection between plies according to code specification and follow the manufacturer's installation instruction. Loads assumed to be distributed equally to each ply.
*

Loading:

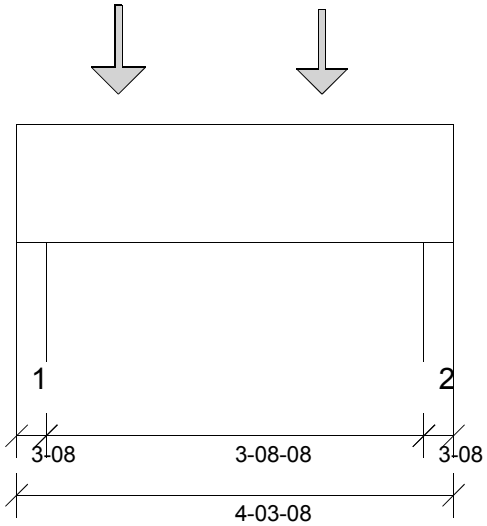
				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0-00	20-07-08	Self Weight	33 lb/ft	-	-	-
Uniform	7-04-00	8-00-12	W38(i153)	-	-	125 lb/ft	49 lb/ft
Uniform	8-04-00	20-04-00	Smoothed Load	66 lb/ft	266 lb/ft	-	-
Uniform	8-08-12	10-00-12	W38(i153)	503 lb/ft	-	465 lb/ft	195 lb/ft
Uniform	10-08-12	12-00-12	W38(i153)	538 lb/ft	-	610 lb/ft	224 lb/ft
Point	7-05-10	7-05-10	-	904.00 lb	310.00 lb	752.00/-12.00 lb	374.00 lb
Point	9-04-12	9-04-12	-	-	-14.00 lb	-	-
Point	11-04-12	11-04-12	-	-	-14.00 lb	-89.00 lb	-
Point	13-04-12	13-04-12	-	746.00 lb	-14.00 lb	857.00/-76.00 lb	323.00 lb
Point	15-04-00	15-04-00	-	739.00 lb	-14.00 lb	842.00/-76.00 lb	317.00 lb
Point	17-04-00	17-04-00	-	745.00 lb	-14.00 lb	857.00/-77.00 lb	321.00 lb
Point	19-04-00	19-04-00	-	746.00 lb	-14.00 lb	859.00/-77.00 lb	322.00 lb
Point	20-05-12	20-05-12	W37(i157)	1495.00 lb	-	1906.00/-274.00 lb	578.00 lb

Support Information:

				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	3-08	W28(i150)	2483.00 lb	1158.00/-25.00 lb	1932.00/-109.00 lb	798.00 lb
2	20-04-00	20-07-08	-	5806.00 lb	2340.00/-59.00 lb	5666.00/-572.00 lb	2032.00 lb
++>	20-06-05	20-06-05	W16(i16)	3871.00 lb	1560.00/-39.00 lb	3777.00/-381.00 lb	1355.00 lb
++>	20-06-15	20-06-15	W20(i20)	1935.00 lb	780.00/-20.00 lb	1889.00/-191.00 lb	677.00 lb

Errors, Warnings & Notes:

* CAUTION: The maximum net analysis reaction exceeds the user-defined maximum uplift value at one or more supports.
* The dead loads used in the design of this member were applied to the structure as projected dead loads.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.



Graphical Illustration - Not To Scale
Member Cut Length - 4-03-08
MemberPitch - 0/12

Design Information:

Building Code:	IRC2015	Floor Dead Load:	10.0 lb/ft²	Roof Dead Load:	10.0 lb/ft²	Ground Snow Load:	20.0 lb/ft²
Design Methodology:	ASD	Floor Live Load:	40.0 lb/ft²	Roof Live Load:	20.0 lb/ft²		
		Unbraced Length Top:	0-00	Bottom:	1-09-08		

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	3-00-00	1410.12 lb ft	28945.56 lb ft		Passed - 5%	1.00	D + L
Critical Shear	1-05-08	1551.85 lb	9310.00 lb		Passed - 17%	1.00	D + L
Live Load Deflection	2-01-13	0-00	0-12 (L/360)		Passed - L/999	-	L
Total Load Deflection	2-01-13	0-00	1-00 (L/240)		Passed - L/999	-	D + L
Max. Reaction			Supported Mtl	Supporting Mtl			
	2-08	1572.69 lb	9187.50 lb	10718.75 lb	Passed - 17%	1.00	D + L
	4-01-00	1312.64 lb	9187.52 lb	10718.78 lb	Passed - 14%	1.00	D + L

Design Notes:

* Member design assumed proper ply to ply connection by others. Fastener spacing along length of member must not exceed 4 times depth of member. Verify connection between plies according to code specification and follow the manufacturer's installation instruction. Loads assumed to be distributed equally to each ply.
*

Loading:

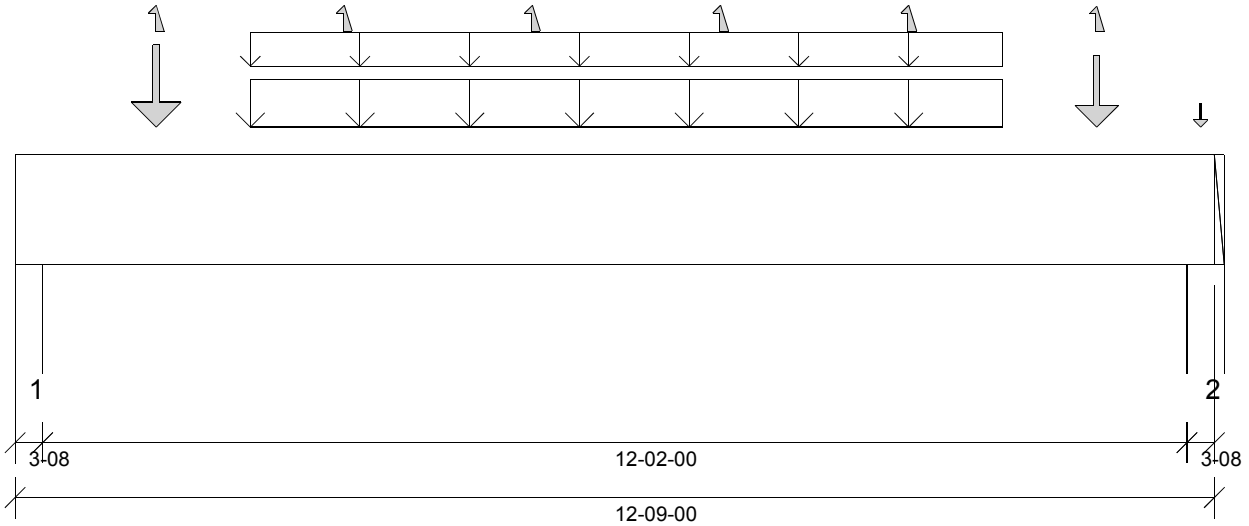
				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0-00	4-03-08	Self Weight	14 lb/ft	-	-	-
Point	1-00-00	1-00-00	-	292.00 lb	1166.00 lb	-	-
Point	3-00-00	3-00-00	-	273.00 lb	1093.00 lb	-	-

Support Information:

				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	3-08	W21(i21)	339.00 lb	1233.00 lb	-	-
2	4-00-00	4-03-08	W24(i24)	287.00 lb	1026.00 lb	-	-

Errors, Warnings & Notes:

* The dead loads used in the design of this member were applied to the structure as projected dead loads.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.



Graphical Illustration - Not To Scale
Member Cut Length - 12-09-00
MemberPitch - 0/12

Design Information:

Building Code:	IRC2015	Floor Dead Load:	10.0 lb/ft²	Roof Dead Load:	10.0 lb/ft²	Ground Snow Load:	20.0 lb/ft²
Design Methodology:	ASD	Floor Live Load:	40.0 lb/ft²	Roof Live Load:	20.0 lb/ft²		
		Unbraced Length Top:	0-00	Bottom:	1-09-08		

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	5-06-00	11134.50 lb ft	28945.56 lb ft		Passed - 38%	1.00	D + L
Critical Shear	1-05-08	3406.93 lb	9310.00 lb		Passed - 37%	1.00	D + L
Live Load Deflection	6-04-06	0-03	0-12 (L/360)		Passed - L/932	-	L
Total Load Deflection	6-04-06	0-03	1-00 (L/240)		Passed - L/743	-	D + L
Max. Reaction			Supported Mtl	Supporting Mtl			
	2-08	3427.76 lb	9187.63 lb	10718.90 lb	Passed - 37%	1.00	D + L
	12-06-08	3427.41 lb	9187.48 lb	10718.73 lb	Passed - 37%	1.00	D + L

Design Notes:

* Member design assumed proper ply to ply connection by others. Fastener spacing along length of member must not exceed 4 times depth of member. Verify connection between plies according to code specification and follow the manufacturer's installation instruction. Loads assumed to be distributed equally to each ply.
*

Loading:

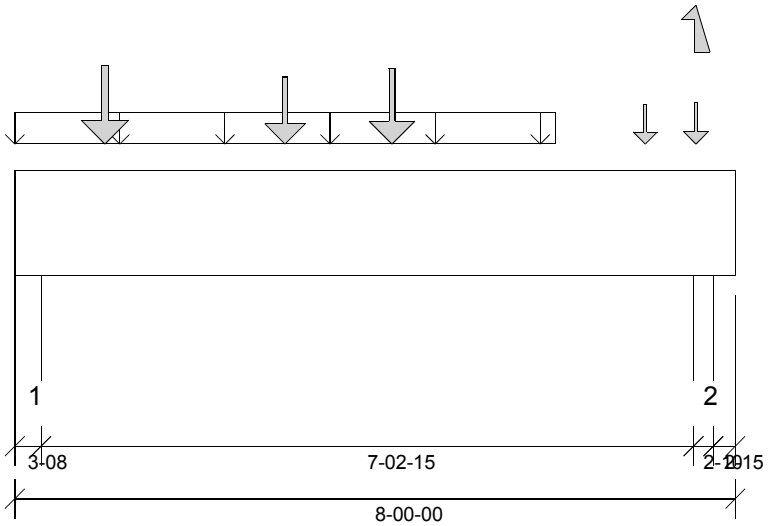
				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0-00	12-09-00	Self Weight	14 lb/ft	-	-	-
Uniform	2-06-00	10-06-00	Smoothed Load	78 lb/ft	312 lb/ft	-	-
Uniform	2-06-00	10-06-00	Smoothed Load	28 lb/ft	158 lb/ft	-	-
Point	1-06-00	1-06-00	-	205.00 lb	917.00/-98.00 lb	-	-
Point	3-06-00	3-06-00	FJ22(i1062)	-	-98.00 lb	-	-
Point	5-06-00	5-06-00	FJ22(i1059)	-	-98.00 lb	-	-
Point	7-06-00	7-06-00	FJ22(i1112)	-	-98.00 lb	-	-
Point	9-06-00	9-06-00	FJ22(i1094)	-	-98.00 lb	-	-
Point	11-06-00	11-06-00	-	171.00 lb	763.00/-79.00 lb	-	-
Point	12-07-04	12-07-04	W39(i232)	17.00 lb	-	19.00 lb	5.00 lb

Support Information:

				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	3-08	W24(i24)	703.00 lb	2725.00/-286.00 lb	-	-
2	12-05-08	12-09-00	W15(i18)	717.00 lb	2711.00/-283.00 lb	19.00 lb	5.00 lb

Errors, Warnings & Notes:

* The dead loads used in the design of this member were applied to the structure as projected dead loads.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.



Graphical Illustration - Not To Scale
Member Cut Length - 8-00-00
MemberPitch - 0/12

Design Information:

Building Code:	IRC2015	Floor Dead Load:	10.0 lb/ft²	Roof Dead Load:	10.0 lb/ft²	Ground Snow Load:	20.0 lb/ft²
Design Methodology:	ASD	Floor Live Load:	40.0 lb/ft²	Roof Live Load:	20.0 lb/ft²		
		Unbraced Length Top:	0-00	Bottom:	1-09-08		

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	3-07-03	3430.80 lb ft	28945.56 lb ft		Passed - 12%	1.00	D + L
Critical Shear	1-05-08	1974.57 lb	9310.00 lb		Passed - 21%	1.00	D + L
Live Load Deflection	3-10-01	0-00	0-12 (L/360)		Passed - L/999	-	L
Total Load Deflection	3-10-01	0-00	1-00 (L/240)		Passed - L/999	-	D + L
Max. Reaction			Supported Mtl	Supporting Mtl			
	2-08	1995.41 lb	9187.42 lb	10718.66 lb	Passed - 22%	1.00	D + L
	7-07-12	1295.90 lb	6890.59 lb	8039.03 lb	Passed - 19%	1.00	D + L

Design Notes:

* The deflection at the cantilever for either live and/or total loads is less than 3/8" and therefore has been excluded from the deflection ratio considerations.
* Member design assumed proper ply to ply connection by others. Fastener spacing along length of member must not exceed 4 times depth of member. Verify connection between plies according to code specification and follow the manufacturer's installation instruction. Loads assumed to be distributed equally to each ply.
*

Loading:

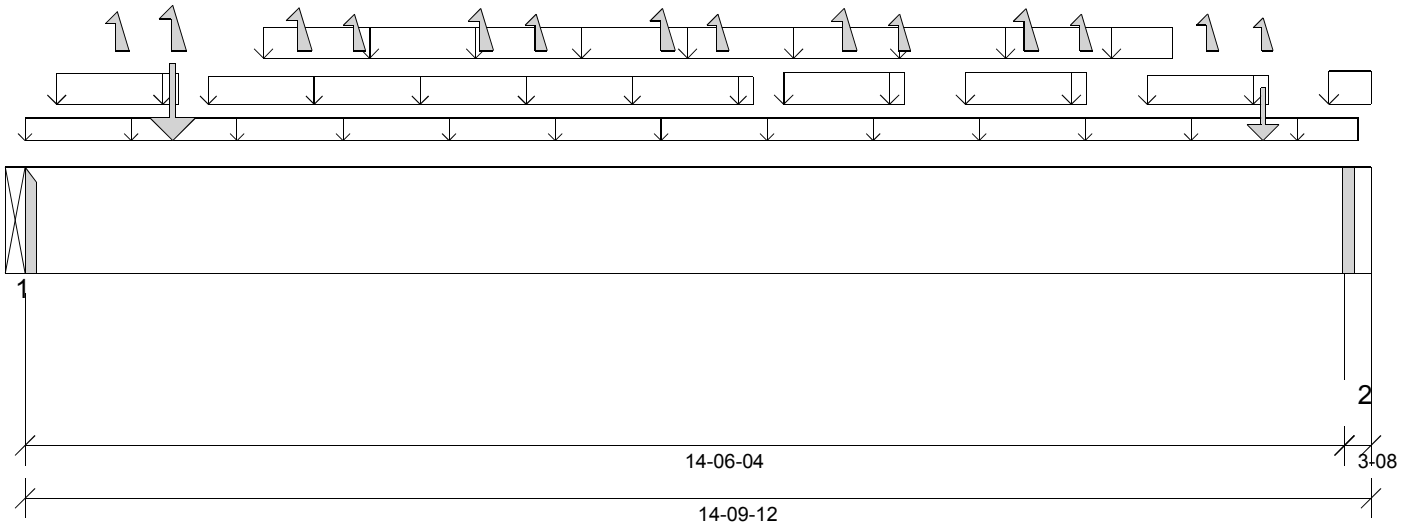
				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0-00	8-00-00	Self Weight	14 lb/ft	-	-	-
Uniform	0-00	6-00-00	Smoothed Load	36 lb/ft	144 lb/ft	-	-
Point	7-00-00	7-00-00	FJ8(i1096)	46.00 lb	184.00 lb	-	-
Point	7-06-12	7-06-12	FJ8(i1118)	-100.00 lb	103.00 lb	13.00/-133.00 lb	-41.00 lb
Point	1-00-00	1-00-00	FJ14(i1119)	136.00 lb	543.00 lb	-	-
Point	3-00-00	3-00-00	FJ14(i1105)	109.00 lb	436.00 lb	-	-
Point	4-02-04	4-02-04	FJ12(i1113)	128.00 lb	512.00 lb	-	-

Support Information:

				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	3-08	W20(i20)	444.00 lb	1551.00 lb	-	-
2	7-06-07	7-09-01	W26(i142)	205.00 lb	1091.00 lb	13.00/-133.00 lb	-41.00 lb

Errors, Warnings & Notes:

* The dead loads used in the design of this member were applied to the structure as projected dead loads.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.



Graphical Illustration - Not To Scale
Member Cut Length - 14-09-12
MemberPitch - 0/12

Design Information:

Building Code:	IRC2015	Floor Dead Load:	10.0 lb/ft²	Roof Dead Load:	10.0 lb/ft²	Ground Snow Load:	20.0 lb/ft²
Design Methodology:	ASD	Floor Live Load:	40.0 lb/ft²	Roof Live Load:	20.0 lb/ft²		
		Unbraced Length Top:	0-00	Bottom:	1-10-08		

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	7-07-08	6216.45 lb ft	33287.39 lb ft		Passed - 19%	1.15	D + 0.75(L + Lr)
Critical Moment (Neg)	7-00-03	-676.78 lb ft	46312.89 lb ft		Passed - 1%	1.60	0.6D + 0.6W
Critical Shear	1-02-00	1532.98 lb	10706.50 lb		Passed - 14%	1.15	D + 0.75(L + Lr)
Live Load Deflection	7-03-06	0-01	0-12 (L/360)		Passed - L/999	-	0.75(L + Lr + 0.6W)
Total Load Deflection	7-03-07	0-03	1-00 (L/240)		Passed - L/999	-	D + 0.75(L + Lr + 0.6W)
Max. Reaction			Supported Mtl	Supporting Mtl			
	0-00	1698.72 lb	1698.72 lb	0.00 lb	Passed - 100%	1.15	D + 0.75(L + Lr)
	0-00	-184.83 lb	0.00 lb	-		1.60	0.6D + 0.6W
	14-07-04	1668.91 lb	9187.51 lb	10718.76 lb	Passed - 18%	1.15	D + 0.75(L + Lr)
	14-07-04	-105.33 lb	0.00 lb	-		1.60	0.6D + 0.6W

Design Notes:

* Member design assumed proper ply to ply connection by others. Fastener spacing along length of member must not exceed 4 times depth of member. Verify connection between plies according to code specification and follow the manufacturer's installation instruction. Loads assumed to be distributed equally to each ply.
*

Loading:

				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0-00	14-09-12	Self Weight	14 lb/ft	-	-	-
Uniform	0-00	14-08-00	FC1 Floor Decking	10 lb/ft	40 lb/ft	-	-
Uniform	4-03	1-08-03	W31(i155)	53 lb/ft	-	68 lb/ft	22 lb/ft
Uniform	2-00-03	8-00-03	W31(i155)	39 lb/ft	-	45 lb/ft	17 lb/ft
Uniform	2-07-08	12-07-08	Smoothed Load	63 lb/ft	-	56 lb/ft	34 lb/ft
Uniform	8-04-03	9-08-03	W31(i155)	59 lb/ft	-	67 lb/ft	25 lb/ft
Uniform	10-04-03	11-08-03	W31(i155)	58 lb/ft	-	64 lb/ft	25 lb/ft
Uniform	12-04-03	13-08-03	W31(i155)	53 lb/ft	-	56 lb/ft	17 lb/ft
Uniform	14-04-03	14-09-12	W31(i155)	62 lb/ft	-	74 lb/ft	19 lb/ft
Point	1-07-08	1-07-08	E1(c01)	154.00 lb	-	171.00/-5.00 lb	103.00 lb
Point	3-07-08	3-07-08	E1(c02)	-	-	-3.00 lb	-
Point	5-07-08	5-07-08	E1(c03)	-	-	-3.00 lb	-
Point	7-07-08	7-07-08	E1(c04)	-	-	-3.00 lb	-
Point	9-07-08	9-07-08	E1(c05)	-	-	-3.00 lb	-
Point	11-07-08	11-07-08	E1(c06)	-	-	-3.00 lb	-
Point	13-07-08	13-07-08	E1(c07)	113.00 lb	-	87.00/-2.00 lb	53.00 lb
Point	1-00-03	1-00-03	W31(i155)	-	-	-	-
Point	3-00-03	3-00-03	W31(i155)	-	-	-	-
Point	5-00-03	5-00-03	W31(i155)	-	-	-	-
Point	7-00-03	7-00-03	W31(i155)	-	-	-	-
Point	9-00-03	9-00-03	W31(i155)	-	-	-	-
Point	11-00-03	11-00-03	W31(i155)	-	-	-	-
Point	13-00-03	13-00-03	W31(i155)	-	-	-	-

Support Information:

				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	0-00	1BM1-3(i26)	904.00 lb	310.00 lb	752.00/-12.00 lb	374.00 lb
2	14-06-04	14-09-12	W12(i15)	913.00 lb	295.00 lb	712.00/-10.00 lb	348.00 lb

- Transfer reactions may differ from design results as allowed per building codes and standard load distribution practices.
- This report is based on modeled conditions input by the user. Source information for the loads and supports are provided for reference only. Verify that all loads and support conditions are correct.

Connector Information:

Support	Manufacturer	Model	Nailing Requirements			Min Seat Length	Other Information
			Top	Face	Member		
1		MIU3.56/14	-	-	-	N/A	Connector manually specified by the user.

Errors, Warnings & Notes:

* The dead loads used in the design of this member were applied to the structure as projected dead loads.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
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