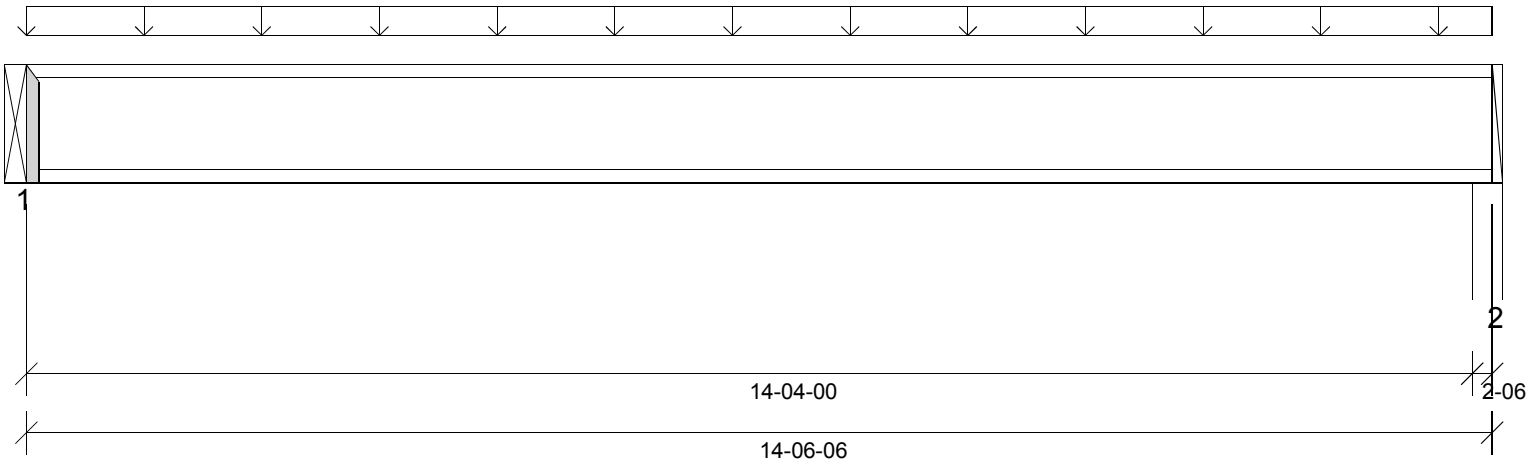


Graphical Illustration - Not To Scale
Member Cut Length - 14-06-06
MemberPitch - 0/12

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:	14-04-00		

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	7-02-08	2597.15 lb ft	4530.03 lb ft		Passed - 57%	1.00	D + L
Critical Shear	0-01	720.19 lb	1730.00 lb		Passed - 42%	1.00	D + L
Live Load Deflection	7-02-08	0-02	0-12 (L/480)		Passed - L/999	-	L
Total Load Deflection	7-02-08	0-03	1-00 (L/240)		Passed - L/981	-	D + L
Max. Reaction			Supported Mtl	Supporting Mtl			
	0-00	735.30 lb	1325.00 lb	0.00 lb	Passed - 55%	1.00	D + L
	14-05-00	741.79 lb	1387.50 lb	5195.25 lb	Passed - 53%	1.00	D + L

Design Notes:

* The required bearing length for this member is the same for both with and without web stiffeners (112)
*

Loading:

				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0-00	14-06-06	FC2 Floor Decking	20 lb/ft	80 lb/ft	-	-

Support Information:

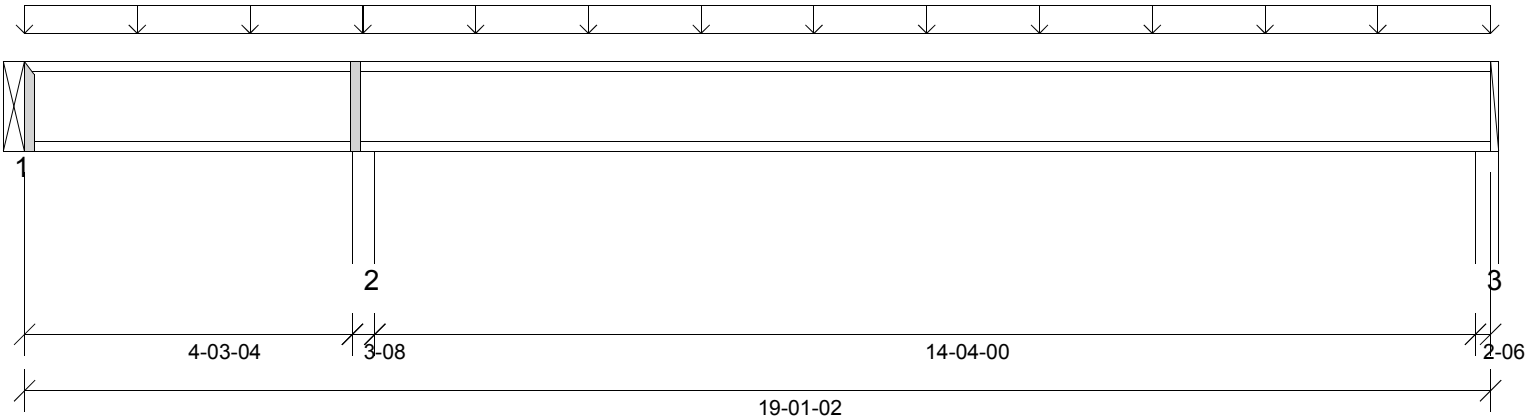
				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	0-00	1BM3-2(i556)	147.00 lb	588.00 lb	-	-
2	14-04-00	14-06-06	W18(i17)	148.00 lb	593.00 lb	-	-

Connector Information:

			Nailing Requirements				
Support	Manufacturer	Model	Top	Face	Member	Min Seat Length	Other Information
1		ITS2.56/14	-	-	-	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.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* A load bearing wall is supported by the I-joist at a location where the I-joist is supported by a member below. Please see manufacturer installation guidelines for requirements of blocking/squash blocks.



Graphical Illustration - Not To Scale
Member Cut Length - 19-01-02
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:	14-04-00		

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	13-01-03	1726.06 lb ft	4530.03 lb ft		Passed - 38%	1.00	D + L
Critical Moment (Neg)	4-05-00	-2090.04 lb ft	4530.03 lb ft		Passed - 46%	1.00	D + L
Critical Shear	4-06-13	856.42 lb	1730.00 lb		Passed - 50%	1.00	D + L
Live Load Deflection	12-05-03	0-01	0-12 (L/480)		Passed - L/999	-	L
Total Load Deflection	12-05-04	0-02	1-00 (L/240)		Passed - L/999	-	D + L
Max. Reaction			Supported Mtl	Supporting Mtl			
	0-00	126.33 lb	1325.00 lb	0.00 lb	Passed - 10%	1.00	D + L
	0-00	-416.69 lb	0.00 lb	-		1.00	D + L
	4-05-00	1565.57 lb	3130.00 lb	7656.18 lb	Passed - 50%	1.00	D + L
	18-11-12	608.67 lb	1387.50 lb	5195.35 lb	Passed - 44%	1.00	D + L

Design Notes:

* The required bearing length for this member is the same for both with and without web stiffeners (112)
*

Loading:

				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0-00	19-01-02	FC2 Floor Decking	20 lb/ft	80 lb/ft	-	-

Support Information:

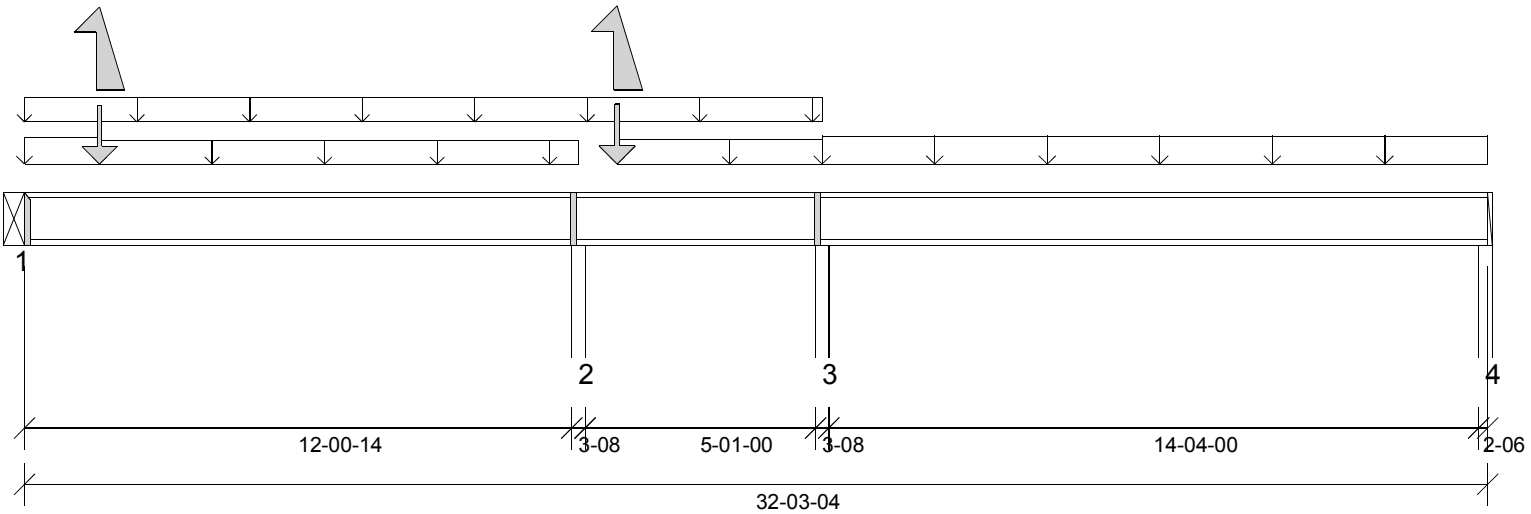
				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	0-00	FJ6(i547)	-48.00 lb	175.00/-368.00 lb	-	-
2	4-03-04	4-06-12	W26(i26)	313.00 lb	1253.00 lb	-	-
3	18-10-12	19-01-02	W18(i17)	121.00 lb	488.00/-3.00 lb	-	-

Connector Information:

			Nailing Requirements				
Support	Manufacturer	Model	Top	Face	Member	Min Seat Length	Other Information
1		ITS2.56/14	-	-	-	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.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* A load bearing wall is supported by the I-joist at a location where the I-joist is supported by a member below. Please see manufacturer installation guidelines for requirements of blocking/squash blocks.



Graphical Illustration - Not To Scale
Member Cut Length - 32-03-04
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:	14-04-00		

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	26-01-06	1822.28 lb ft	4530.03 lb ft		Passed - 40%	1.00	D + L
Critical Moment (Neg)	17-07-02	-2056.75 lb ft	4530.03 lb ft		Passed - 45%	1.00	D + L
Critical Shear	17-08-15	854.14 lb	1730.00 lb		Passed - 49%	1.00	D + L
Live Load Deflection	25-05-12	0-01	0-12 (L/480)		Passed - L/999	-	L
Total Load Deflection	25-05-14	0-02	1-00 (L/240)		Passed - L/999	-	D + L
Max. Reaction			Supported Mtl	Supporting Mtl			
	0-00	737.40 lb	1325.00 lb	0.00 lb	Passed - 56%	1.00	D + L
	0-00	-309.61 lb	0.00 lb	-		1.00	D + L
	12-02-10	1007.75 lb	3130.00 lb	7656.18 lb	Passed - 32%	1.00	D + L
	12-02-10	-475.54 lb	0.00 lb	-		1.00	D + L
	17-07-02	1554.60 lb	3130.00 lb	7656.18 lb	Passed - 50%	1.00	D + L
	32-01-14	624.82 lb	1387.51 lb	5195.45 lb	Passed - 45%	1.00	D + L

Design Notes:

* The required bearing length for this member is the same for both with and without web stiffeners (112)
*

Loading:

				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0-00	17-07-02	FC2 Floor Decking	10 lb/ft	40 lb/ft	-	-
Uniform	0-00	1-07-14	FC2 Floor Decking	17 lb/ft	67 lb/ft	-	-
Uniform	1-07-14	12-02-10	FC2 Floor Decking	8 lb/ft	31 lb/ft	-	-
Uniform	13-00-14	17-07-02	FC2 Floor Decking	10 lb/ft	40 lb/ft	-	-
Uniform	17-07-02	32-03-04	FC2 Floor Decking	20 lb/ft	80 lb/ft	-	-
Point	1-07-14	1-07-14	FJ6(i558)	-78.00 lb	310.00/-434.00 lb	-	-
Point	13-00-14	13-00-14	FJ6(i547)	-40.00 lb	321.00/-483.00 lb	-	-

Support Information:

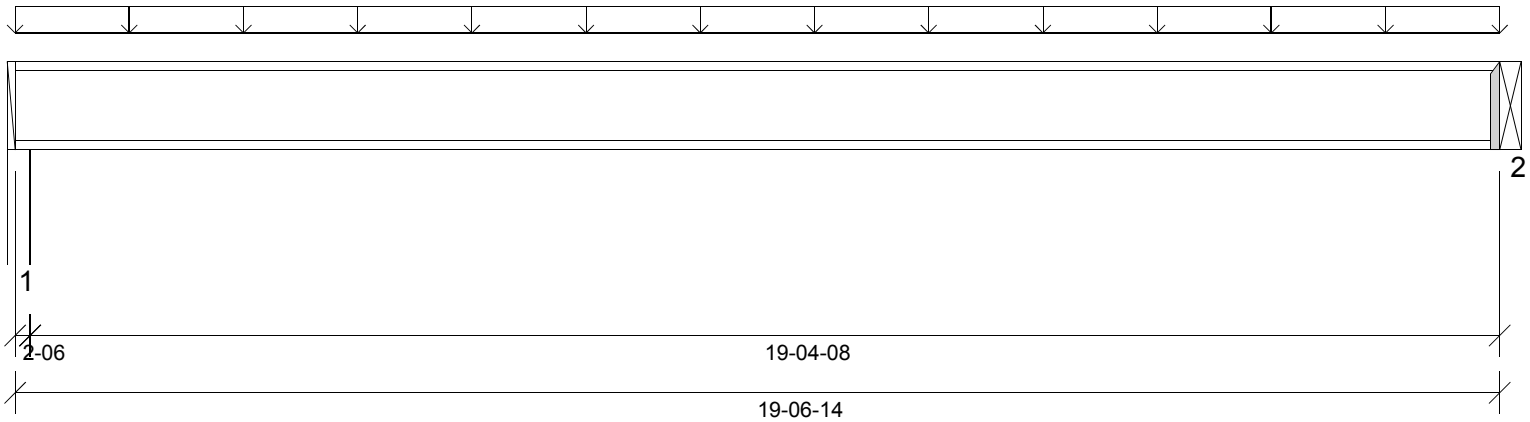
				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	0-00	1BM2(i574)	45.00 lb	692.00/-698.00 lb	-	-
2	12-00-14	12-04-06	W25(i24)	79.00 lb	1287.00/-555.00 lb	-	-
3	17-05-06	17-08-14	W26(i26)	263.00 lb	1292.00/-65.00 lb	-	-
4	32-00-14	32-03-04	W18(i17)	124.00 lb	524.00/-219.00 lb	-	-

Connector Information:

			Nailing Requirements				
Support	Manufacturer	Model	Top	Face	Member	Min Seat Length	Other Information
1		ITS2.56/14	-	-	-	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.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* A load bearing wall is supported by the I-joist at a location where the I-joist is supported by a member below. Please see manufacturer installation guidelines for requirements of blocking/squash blocks.



Graphical Illustration - Not To Scale
Member Cut Length - 19-06-14
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:	19-04-08		

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	9-10-02	3154.66 lb ft	4530.03 lb ft		Passed - 70%	1.00	D + L
Critical Shear	19-06-13	648.20 lb	1730.00 lb		Passed - 37%	1.00	D + L
Live Load Deflection	9-10-02	0-05	0-12 (L/480)		Passed - L/781	-	L
Total Load Deflection	9-10-02	0-06	1-00 (L/240)		Passed - L/625	-	D + L
Max. Reaction			Supported Mtl	Supporting Mtl			
	1-06	662.56 lb	1387.50 lb	5195.29 lb	Passed - 48%	1.00	D + L
	19-06-14	658.27 lb	1325.00 lb	0.00 lb	Passed - 50%	1.00	D + L

Design Notes:
* The required bearing length for this member is the same for both with and without web stiffeners (112)
*

Loading:

				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0-00	19-06-14	FC2 Floor Decking	13 lb/ft	53 lb/ft	-	-

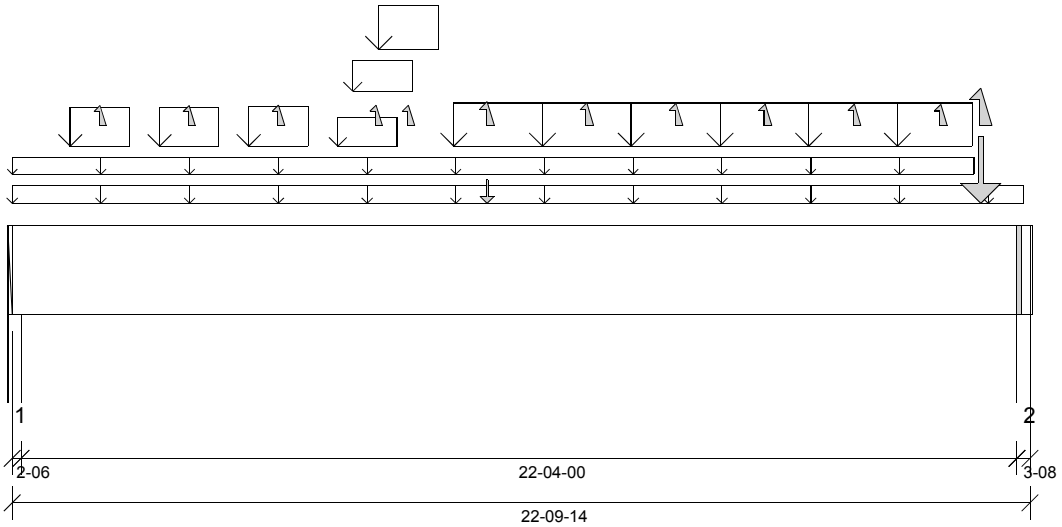
Support Information:

				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	2-06	W16(i22)	133.00 lb	530.00 lb	-	-
2	19-06-14	19-06-14	1BM3-2(i556)	132.00 lb	527.00 lb	-	-

Connector Information:

			Nailing Requirements				
Support	Manufacturer	Model	Top	Face	Member	Min Seat Length	Other Information
2		ITS2.56/14	-	-	-	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.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* A load bearing wall is supported by the I-joist at a location where the I-joist is supported by a member below. Please see manufacturer installation guidelines for requirements of blocking/squash blocks.



Graphical Illustration - Not To Scale
Member Cut Length - 22-09-14
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: 11-01-06			

Design Notes:

* Member was not designed due to missing strength properties. If possible select a new material or change the orientation of the member.
*

Loading:

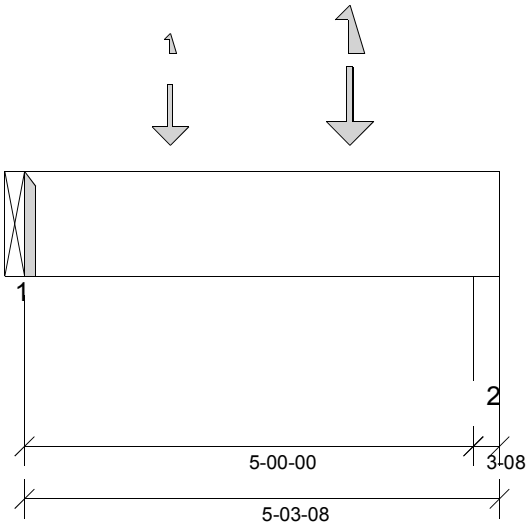
				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0-00	22-09-14	Self Weight	24 lb/ft	-	-	-
Uniform	0-00	22-08-02	FC2 Floor Decking	9 lb/ft	35 lb/ft	-	-
Uniform	0-00	21-06-14	FC2 Floor Decking	-	6 lb/ft	-	-
Uniform	1-03-10	2-07-10	W40(i34)	222 lb/ft	-	239 lb/ft	100 lb/ft
Uniform	3-03-10	4-07-10	W40(i34)	222 lb/ft	-	239 lb/ft	100 lb/ft
Uniform	5-03-10	6-07-10	W40(i34)	227 lb/ft	-	248 lb/ft	104 lb/ft
Uniform	7-03-10	8-07-10	W40(i34)	158 lb/ft	-	110 lb/ft	46 lb/ft
Uniform	7-07-10	8-11-10	W40(i34)	194 lb/ft	-	120 lb/ft	50 lb/ft
Uniform	8-02-10	9-06-10	W40(i34)	320 lb/ft	-	269 lb/ft	113 lb/ft
Uniform	9-10-13	21-06-06	W40(i34)	274 lb/ft	-	285 lb/ft	119 lb/ft
Point	10-07-12	10-07-12	-	205.00 lb	897.00/-210.00 lb	-	-
Point	1-11-10	1-11-10	W40(i34)	-	-	-	-
Point	3-11-10	3-11-10	W40(i34)	-	-	-	-
Point	5-11-10	5-11-10	W40(i34)	-	-	-	-
Point	8-01-15	8-01-15	-	-	-	-	-
Point	8-10-10	8-10-10	W40(i34)	-	-	-	-
Point	12-10-10	12-10-10	W40(i34)	-	-	-	-
Point	14-10-10	14-10-10	W40(i34)	-	-	-	-
Point	16-10-10	16-10-10	W40(i34)	-	-	-	-
Point	18-10-10	18-10-10	W40(i34)	-	-	-	-
Point	20-09-14	20-09-14	W40(i34)	-	-	-	-
Point	21-08-10	21-08-10	W40(i34)	2953.00 lb	-	2910.00/-22.00 lb	1200.00 lb

Support Information:

				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	2-06	W14(i14)	2924.00 lb	960.00/-114.00 lb	2373.00/-1.00 lb	990.00 lb
2	22-06-06	22-09-14	W25(i24)	6006.00 lb	875.00/-96.00 lb	5483.00/-21.00 lb	2279.00 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 - 5-03-08
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)	3-07-08	1963.76 lb ft	14472.78 lb ft		Passed - 14%	1.00	D + L
Critical Moment (Neg)	3-07-08	-431.96 lb ft	14472.78 lb ft		Passed - 3%	1.00	D + L
Critical Shear	3-10-00	1342.95 lb	4655.00 lb		Passed - 29%	1.00	D + L
Live Load Deflection	2-07-04	0-00	0-12 (L/360)		Passed - L/999	-	L
Total Load Deflection	2-07-02	0-00	1-00 (L/240)		Passed - L/999	-	D + L
Max. Reaction			Supported Mtl	Supporting Mtl			
	0-00	1101.43 lb	1101.43 lb	0.00 lb	Passed - 100%	1.00	D + L
	0-00	-5.80 lb	0.00 lb	-		1.00	D + L
	5-01-00	1353.37 lb	4593.73 lb	5359.35 lb	Passed - 29%	1.00	D + L
	5-01-00	-289.40 lb	0.00 lb	-		1.00	D + L

Design Notes:
*

Loading:

				Maximum Load Magnitudes			
Type	Start	End	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0-00	5-03-08	Self Weight	7 lb/ft	-	-	-
Point	1-07-08	1-07-08	-	197.00 lb	794.00/-15.00 lb	-	-
Point	3-07-08	3-07-08	-	183.00 lb	1243.00/-698.00 lb	-	-

Support Information:

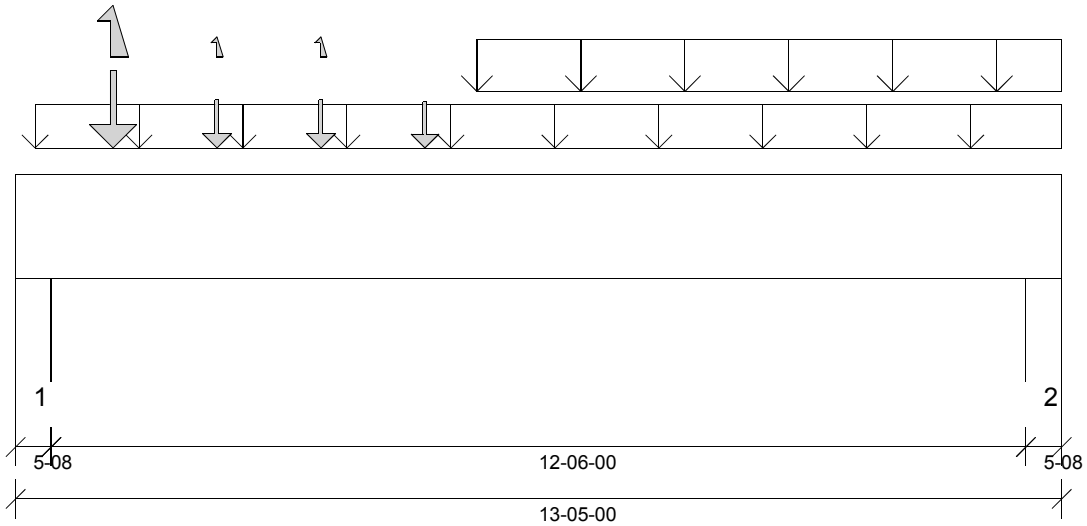
				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	0-00	1BM1-2(i43)	205.00 lb	897.00/-210.00 lb	-	-
2	5-00-00	5-03-08	W24(i25)	213.00 lb	1140.00/-503.00 lb	-	-

Connector Information:

			Nailing Requirements				
Support	Manufacturer	Model	Top	Face	Member	Min Seat Length	Other Information
1		IUS1.81/14	-	-	-	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.
* 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 - 13-05-00
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:	1-01-12		

Design Results:

	Location	Design	Control		Result	LDF	Load Combination
Critical Moment (Pos)	6-07-00	16695.13 lb ft	37034.88 lb ft		Passed - 45%	1.00	D + L
Critical Moment (Neg)	13-00-08	-291.57 lb ft	37034.88 lb ft		Passed - 1%	1.00	D + L
Critical Shear	11-07-08	4930.75 lb	10640.00 lb		Passed - 46%	1.00	D + L
Live Load Deflection	6-08-10	0-03	0-12 (L/360)		Passed - L/919	-	L
Total Load Deflection	6-08-10	0-03	1-00 (L/240)		Passed - L/723	-	D + L
Max. Reaction			Supported Mtl	Supporting Mtl			
	4-08	5429.08 lb	14437.43 lb	16843.66 lb	Passed - 38%	1.00	D + L
	13-00-08	6354.01 lb	14437.49 lb	16843.74 lb	Passed - 44%	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	13-05-00	Self Weight	16 lb/ft	-	-	-
Uniform	3-00	13-05-00	-	78 lb/ft	313 lb/ft	-	-
Uniform	5-11-00	13-05-00	Smoothed Load	106 lb/ft	422 lb/ft	-	-
Point	1-03-00	1-03-00	FJ28(i567)	139.00 lb	868.00/-558.00 lb	-	-
Point	2-07-00	2-07-00	FJ28(i549)	97.00 lb	401.00/-15.00 lb	-	-
Point	3-11-00	3-11-00	FJ28(i548)	97.00 lb	401.00/-15.00 lb	-	-
Point	5-03-00	5-03-00	FJ20(i572)	92.00 lb	370.00 lb	-	-

Support Information:

				Maximum Analysis Reactions			
Support	Start	End	Source	Dead	Floor Live	Roof Live	Snow
1	0-00	5-08	W26(i26)	1116.00 lb	4336.00/-543.00 lb	-	-
2	12-11-08	13-05-00	W27(i27)	1349.00 lb	4982.00/-45.00 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.