

Client:

Project: Address: Ben Stout Real Estate

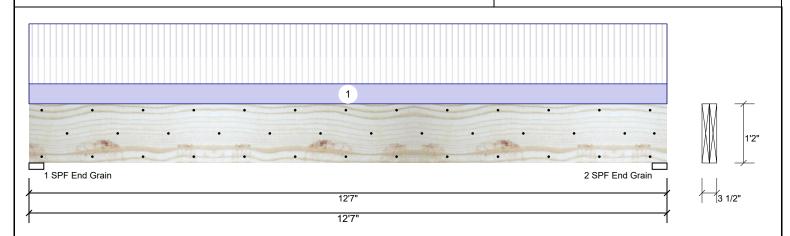
Date: 7/13/2020

Input by: David Landry Job Name: 2631 Darroch Rd. 2-B Page 1 of 12

Project #: J0720-3213

1.750" X 14.000" 2-Ply - PASSED **Kerto-S LVL** BM₁

Level: Level



Member Inform	nation				Reaction	ns UNPAT	TERNED IL	(Uplift)			
Туре:	Girder	Application:	Floor		Brg	Live	Dead	Snow	V	Vind	Const
Plies:	2	Design Method:	ASD		1	4568	1591	0		0	0
Moisture Condition:	: Dry	Building Code:	IBC/IRC 2015		2	4568	1591	0		0	0
Deflection LL:	480	Load Sharing:	No								
Deflection TL:	360	Deck:	Not Checked								
Importance:	Normal										
Temperature:	Temp <= 100°F										
					Bearing	s					
					Bearing	Length	Cap. Rea	ct D/L lb	Total	Ld. Case	Ld. Comb.
					1 - SPF	3.500"	58% 159	91 / 4568	6159	L	D+L
					End						
Analysis Result	S				Grain						
Analysis Act	tual Location	Allowed Capac	ity Comb.	Case	2-SPF	3.500"	58% 159	91 / 4568	6159	L	D+L
Moment 179	989 ft-lb 6'3 1/2"	26999 ft-lb 0.666 (67%) D+L	L	End Grain						

•						
Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	17989 ft-lb	6'3 1/2"	26999 ft-lb	0.666 (67%)	D+L	L
Unbraced	17989 ft-lb	6'3 1/2"	18055 ft-lb	0.996 (100%)	D+L	L
Shear	4792 lb	11'2 1/4"	10453 lb	0.458 (46%)	D+L	L
LL Defl inch	0.252 (L/578)	6'3 1/2"	0.303 (L/480)	0.830 (83%)	L	L
TL Defl inch	0.340 (L/428)	6'3 1/2"	0.404 (L/360)	0.840 (84%)	D+L	L

Design Notes

- 1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at a maximum of 5'4 1/2" o.c.
- 6 Bottom braced at bearings.
- 7 Lateral slenderness ratio based on single ply width.

Self Weight

		F-)								
ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Тор	242 PLF	726 PLF	0 PLF	0 PLF	0 PLF	F1

11 PLF

NOtes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

- Handling & Installation
- Informing & Installation

 I. VIL beams must not be cut or drilled

 Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 Damaged Beams must not be used

 Design assumes top edge is laterally restrained

 Design assumes top edge is laterally restrained is provide lateral support at bearing points to avoid lateral displacement and rotation

- For flat roofs provide proper drainage to prevent ponding

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633

Manufacturer Info

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS



Client:

Project: Address: Ben Stout Real Estate

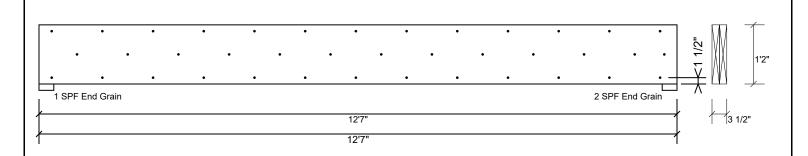
7/13/2020

Input by: David Landry Job Name: 2631 Darroch Rd. 2-B Page 2 of 12

Project #: J0720-3213

1.750" X 14.000" **Kerto-S LVL** 2-Ply - PASSED BM₁

Level: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

1 3		•	,
Capacity	0.0 %		
Load	0.0 PLF		
Yield Limit per Foot	245.6 PLF		
Yield Limit per Fastener	81.9 lb.		
Yield Mode	IV		
Edge Distance	1 1/2"		
Min. End Distance	3"		
Load Combination			
Duration Factor	1.00		

Notes

NOtes

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- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- Handling & Installation

 1. UVI beams must not be cut or drilled

 2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 3. Damaged Beams must not be used

 4. Design assumes top edge is laterally restrained

 5. Provide lateral support at bearing points to avoid lateral displacement and rotation

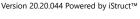
For flat roofs provide proper drainage to prevent ponding

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Project: Address: Ben Stout Real Estate

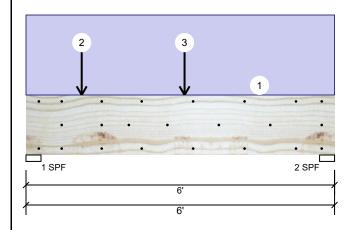
Date: 7/13/2020

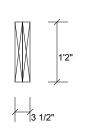
Input by: David Landry Job Name: 2631 Darroch Rd. 2-B

Project #: J0720-3213

1.750" X 14.000" 2-Ply - PASSED **Kerto-S LVL** BM3

Level: Level





Page 3 of 12

Member Information

Type: Plies: 2 Moisture Condition: Dry Deflection LL: 480 Deflection TL: 360 Importance: Normal Temp <= 100°F Temperature:

Application: Floor Design Method: ASD **Building Code: IBC/IRC 2015** Load Sharing: No Deck: Not Checked

Reactions UNPATTERNED Ib (Uplift) Brg Dead Snow Wind Live Const 678 709 0 0 0 1 2 189 546 0 0 0

Bearings

Bearing Length	Cap. R	eact D/L lb	Total	Ld. Case	Ld. Comb.	
1 - SPF 3.500"	27%	709 / 678	1387	L	D+L	
2 - SPF 3500"	14%	546 / 189	734	1	D+L	

Analysis Results

•						
Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1305 ft-lb	2'8 7/16"	26999 ft-lb	0.048 (5%)	D+L	L
Unbraced	1305 ft-lb	2'8 7/16"	17623 ft-lb	0.074 (7%)	D+L	L
Shear	1162 lb	1'4 3/4"	10453 lb	0.111 (11%)	D+L	L
LL Defl inch	0.003 (L/21799)	2'7 3/8"	0.139 (L/480)	0.020 (2%)	L	L
TL Defl inch	0.008 (L/8727)	2'10 1/16"	0.185 (L/360)	0.040 (4%)	D+L	L

Design Notes

- 1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Concentrated load fastener specification is in addition to hanger fasteners if a hanger is
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top braced at bearings.
- 7 Bottom braced at bearings.

8 Lateral Sie	nderness ratio based on	single ply width.									
ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments	
1	Uniform			Тор	150 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Above	
2	Point	1-1-0		Far Face	238 lb	714 lb	0 lb	0 lb	0 lb	F2A	
3	Point	3-1-0		Far Face	51 lb	153 lb	0 lb	0 lb	0 lb	F7	
	Self Weight				11 PLF						

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- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive
- Handling & Installation
- LVL beams must not be cut or drilled Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals Damaged Beams must not be used
- Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation
- 6. For flat roofs provide proper drainage to prevent ponding

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Project: Address: Ben Stout Real Estate

Date: 7/13/2020 Input by: David Landry

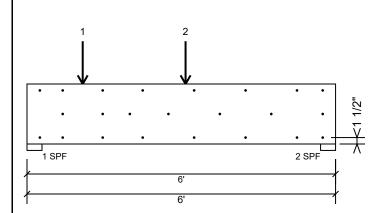
2631 Darroch Rd. 2-B Level: Level

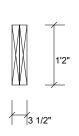
Project #: J0720-3213

Kerto-S LVL BM3

1.750" X 14.000"

2-Ply - PASSED





Page 4 of 12

Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. except for regions covered by concentrated load fastening. Maximum end distance not to exceed 6"

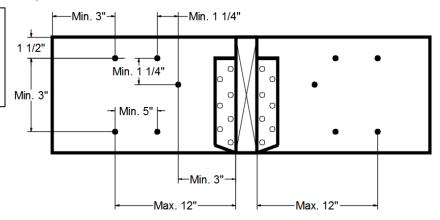
a ca aca	
Capacity	0.0 %
Load	0.0 PLF
Yield Limit per Foot	245.6 PLF
Yield Limit per Fastener	81.9 lb.
Yield Mode	IV
Edge Distance	1 1/2"
Min. End Distance	3"
Load Combination	
Duration Factor	1.00

Concentrated Load

Fasten at concentrated side load at 1-1-0 with a minimum of (6) - 10d Box nails (.128x3") in the pattern shown

pattern snown.		
Capacity	96.9 %	
Load	476.0lb.	
Total Yield Limit	491.0 lb.	
Cg	0.9998	
Yield Limit per Fastener	81.9 lb.	
Yield Mode	IV	
Load Combination	D+L	
Duration Factor	1.00	

Min/Max fastener distances for Concentrated Side Loads



Notes

NOtes

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- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- LVL beams must not be cut or drilled Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code
- approvals

 Damaged Beams must not be used Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation
- For flat roofs provide proper drainage to prevent ponding

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Client: Project:

Address:

Ben Stout Real Estate

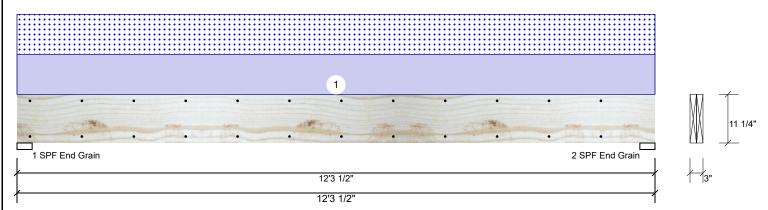
Date: 7/13/2020

Input by: David Landry Job Name: 2631 Darroch Rd. 2-B Page 5 of 12

Project #: J0720-3213

2.000" X 12.000" 2-Ply - PASSED

Level: Level



Member Inforr	nation						Reaction	ns UNPAT	TERNE	D lb (Uplift))		
Type:	Girder		Applica	tion: F	loor		Brg	Live	Dead	d Snow	\	Wind	Const
Plies:	2		Design	Method: A	SD		1	0	799	799		0	0
Moisture Condition	: Dry		Building	Code: IE	BC/IRC 2015	5	2	0	799	799		0	0
Deflection LL:	480		Load SI	naring: N	lo								
Deflection TL:	360		Deck:	N	lot Checked								
Importance:	Normal												
Temperature:	Temp <= 100)°F					Bearing	s					
							Bearing	Length	Сар.	React D/L lb	Total	Ld. Case	Ld. Comb.
							1 - SPF End	3.500"	36%	799 / 799	1598	L	D+S
Analysis Result	S						Grain						
Analysis Ac	tual	Location	Allowed	Capacity	Comb.	Case	2 - SPF End	3.500"	36%	799 / 799	1598	L	D+S
Moment 455	51 ft-lb	6'1 3/4"	5306 ft-lb	0.858 (86%) D+S	L	Grain						
Unbraced 455	51 ft-lb	6'1 3/4"	4558 ft-lb	0.998	D+S	L							

L

L

TL Defl inch 0.230 (L/617) **Design Notes**

Shear

1 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".

1'2" 3493 lb

6'1 3/4" 0.296 (L/480) 0.390 (39%) S

6'1 3/4" 0.394 (L/360) 0.580 (58%) D+S

(100%)

0.371 (37%) D+S

- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at a maximum of 6'1 1/2" o.c.
- 6 Bottom braced at bearings.

1295 lb

LL Defl inch 0.115 (L/1234)

7 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Тор	130 PLF	0 PLF	130 PLF	0 PLF	0 PLF	D1

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS Manufacturer Info соттесн

Client: Ben Stout Real Estate Date: 7/13/2020 Page 6 of 12 Project: Input by: David Landry isDesign Address: Job Name: 2631 Darroch Rd. 2-B Project #: J0720-3213 Level: Level 2.000" X 12.000" 2-Ply - PASSED S-P-F #2 1 SPF End Grain 2 SPF End Grain 12'3 1/2" 12'3 1/2" Multi-Ply Analysis Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6" 0.0 % Capacity 0.0 PLF Load 157.4 PLF Yield Limit per Foot Yield Limit per Fastener 78.7 lb. Yield Mode IV Edge Distance 1 1/2" Min. End Distance 3" Load Combination Duration Factor 1.00

Manufacturer Info

Comtech, Inc.
1001 S. Reilly Road, Suite #639
Fayetteville, NC
USA
28314
910-864-TRUS



Client:

Project: Address: Ben Stout Real Estate

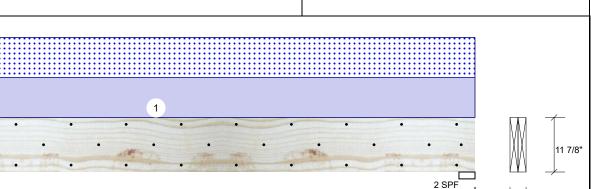
Date: 7/13/2020

Input by: David Landry Job Name: 2631 Darroch Rd. 2-B Page 7 of 12

Project #: J0720-3213

evel: Level

1.750" X 11.875" 2-Ply - PASSED **Kerto-S LVL** BM5



Member Inform	nation			Reactions UNPATTERNED lb (Uplift)							
Type:	Girder	Application:	Floor	Brg	Live	Dead	Snow	Wind	Const		
Plies:	2	Design Method:	ASD	1	0	1559	1506	0	0		
Moisture Condition	: Dry	Building Code:	IBC/IRC 2015	2	0	1559	1506	0	0		
Deflection LL:	480	Load Sharing:	No								
Deflection TL:	360	Deck:	Not Checked								
Importance:	Normal										
Temperature:	Temp <= 100°F										
				Bearings	;						
				Bearing	Length	Cap. Read	t D/L lb	Total Ld. Case	Ld. Comb.		
				1 - SPF	3.500"	59% 155	9 / 1506	3065 L	D+S		
				2 - SPF	3.500"	59% 155	9 / 1506	3065 L	D+S		

11'7 11'7'

Analysis Results

1 SPF

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	8188 ft-lb	5'9 1/2"	22897 ft-lb	0.358 (36%)	D+S	L
Unbraced	8188 ft-lb	5'9 1/2"	8589 ft-lb	0.953 (95%)	D+S	L
Shear	2935 lb	1'2 5/8"	10197 lb	0.288 (29%)	D+S	L
LL Defl inch	0.103 (L/1298)	5'9 1/2"	0.278 (L/480)	0.370 (37%)	S	L
TL Defl inch	0.209 (L/637)	5'9 1/2"	0.371 (L/360)	0.560 (56%)	D+S	L

Design Notes

- 1 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.
- 6 Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Far Face	260 PLF	0 PLF	260 PLF	0 PLF	0 PLF	A2
	Self Weight				9 PLF					

NOtes

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- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Handling & Installation

- Informing & Installation

 I. VIL beams must not be cut or drilled

 Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 Damaged Beams must not be used

 Design assumes top edge is laterally restrained

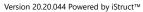
 Design assumes top edge is laterally restrained is provide lateral support at bearing points to avoid lateral displacement and rotation
- For flat roofs provide proper drainage to prevent ponding

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7/13/2020

Input by: David Landry Job Name: 2631 Darroch Rd. 2-B Page 8 of 12

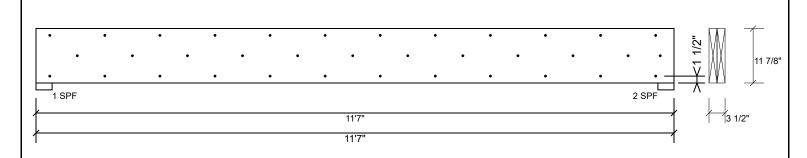
Project #: J0720-3213

Kerto-S LVL BM5

1.750" X 11.875"

2-Ply - PASSED

evel: Level



Multi-Ply Analysis

Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

1 3		•	•
Capacity	92.1 %		
Load	260.0 PLF		
Yield Limit per Foot	282.4 PLF		
Yield Limit per Fastener	94.1 lb.		
Yield Mode	IV		
Edge Distance	1 1/2"		
Min. End Distance	3"		
Load Combination	D+S		
Duration Factor	1.15		

Notes

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Handling & Installation

- Handling & Installation

 1. UVI beams must not be cut or drilled

 2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals

 3. Damaged Beams must not be used

 4. Design assumes top edge is laterally restrained

 5. Provide lateral support at bearing points to avoid lateral displacement and rotation

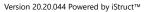
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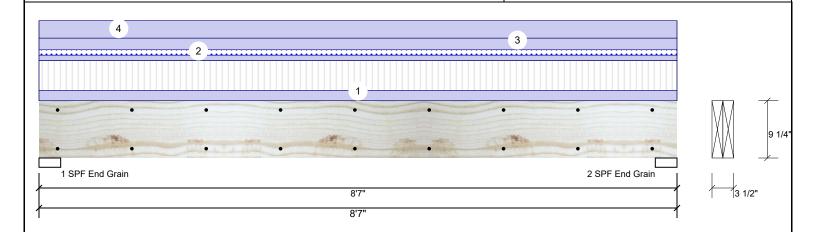
7/13/2020 Input by: David Landry Page 9 of 12

Date:

Job Name: 2631 Darroch Rd. 2-B Project #: J0720-3213

1.750" X 9.250" **Kerto-S LVL** 2-Ply - PASSED BM6

Level: Level



Member Information Reactions UNPATTERNED Ib (Uplift) Application: Brg Type: Floor Live Dead Snow Plies: 2 Design Method: ASD 1330 2005 240 1 Moisture Condition: Dry **Building Code: IBC/IRC 2015** 2 1330 2005 240 Deflection LL: 480 Load Sharing: No Deflection TL: 360 Deck: Not Checked Importance: Normal Temp <= 100°F Temperature: **Bearings** Bearing Length Cap. React D/L lb 1-SPF 3.500" 2005 / 1330

Analysis	Results
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Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	6413 ft-lb	4'3 1/2"	12542 ft-lb	0.511 (51%)	D+L	L
Unbraced	6413 ft-lb	4'3 1/2"	8468 ft-lb	0.757 (76%)	D+L	L
Shear	2558 lb	1'	6907 lb	0.370 (37%)	D+L	L
LL Defl inch	0.075 (L/1301)	4'3 9/16"	0.203 (L/480)	0.370 (37%)	L	L
TL Defl inch	0.188 (L/519)	4'3 9/16"	0.271 (L/360)	0.690 (69%)	D+L	L

Design Notes

- 1 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top braced at bearings.
- 6 Bottom braced at bearings.

7 Lateral slend	lerness ratio based on single	ply width.								
ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform			Тор	104 PLF	310 PLF	0 PLF	0 PLF	0 PLF	F1
2	Uniform			Тор	56 PLF	0 PLF	56 PLF	0 PLF	0 PLF	M1
3	Uniform			Тор	120 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Above
4	Uniform			Тор	180 PLF	0 PLF	0 PLF	0 PLF	0 PLF	C1GE
	Self Weight				7 PLF					

End Grain 2 - SPF 3.500"

End Grain

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- approvals

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- 6. For flat roofs provide proper drainage to prevent ponding

Metsä Wood 301 Merritt 7 Building, 2nd Floor Norwalk, CT 06851 (800) 622-5850 www.metsawood.com/us ICC-ES: ESR-3633

Manufacturer Info

Comtech, Inc. 1001 S. Reilly Road, Suite #639 Fayetteville, NC USA 28314 910-864-TRUS

Wind

Total Ld. Case

3335 L

3335 L

2005 / 1330

0

0

Const

0

0

Ld. Comb.

D+L



This design is valid until 2/26/2023 CSD DESIGN

Client:

Project: Address: Ben Stout Real Estate

Date: 7/13/2020 Input by:

David Landry Job Name: 2631 Darroch Rd. 2-B Page 10 of 12

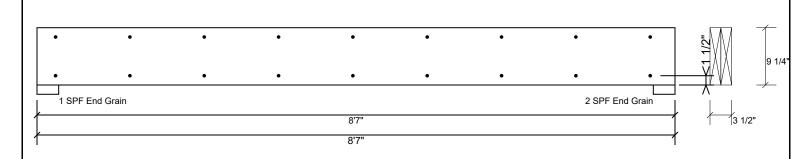
Project #: J0720-3213

Kerto-S LVL BM6

1.750" X 9.250"

2-Ply - PASSED

Level: Level



Multi-Ply Analysis

Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c.. Maximum end distance not to exceed 6"

Capacity	0.0 %	
Load	0.0 PLF	
Yield Limit per Foot	163.7 PLF	
Yield Limit per Fastener	81.9 lb.	
Yield Mode	IV	
Edge Distance	1 1/2"	
Min. End Distance	3"	
Load Combination		
Duration Factor	1.00	

Notes

NOtes

Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

- Dry service conditions, unless noted otherwise
 LVL not to be treated with fire retardant or corrosive

Version 20.20.044 Powered by iStruct™

Handling & Installation

- L. UVL beams must not be cut or drilled
 Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals
 Damaged Beams must not be used

- Danaged Beams must not be used
 Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation

For flat roofs provide proper drainage to prevent ponding

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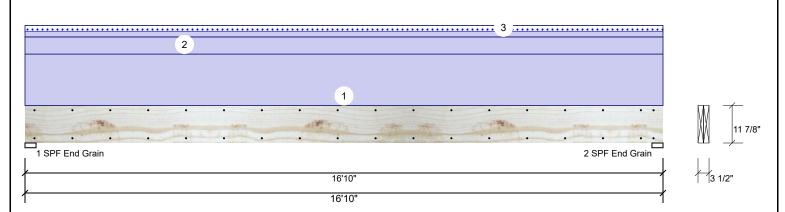
Date: 7/13/2020 Input by:

David Landry Job Name: 2631 Darroch Rd. 2-B Page 11 of 12

Project #: J0720-3213

1.750" X 11.875" 2-Ply - PASSED **Kerto-S LVL GDH**

Level: Level



Member Infor	mation						Reaction	ns UNPAT	TERNE	D lb (Uplift))		
Type:	Girder		Applicati	on:	Floor		Brg	Live	Dea	d Snow	1	Wind	Const
Plies:	2		Design N	Method:	ASD		1	0	226	66 168		0	0
Moisture Conditio	n: Dry		Building	Code:	IBC/IRC 2015		2	0	226	66 168		0	0
Deflection LL:	480		Load Sh	aring:	No								
Deflection TL:	360		Deck:		Not Checked								
Importance:	Normal												
Temperature:	Temp <= 100)°F											
							Bearing	S					
							Bearing	Length	Сар.	React D/L lb	Total	Ld. Case	Ld. Comb
							1 - SPF End	3.500"	23%	2266 / 168	2434	L	D+S
Analysis Resul	lts						Grain						
Analysis A	ctual	Location	Allowed	Capacity	Comb.	Case	2-SPF	3.500"	23%	2266 / 168	2434	L	D+S
Moment 90)24 ft-lb	8'5"	17919 ft-lb	0.504 (50	%) D	Uniform	End Grain						
Unbraced 96	694 ft-lb	8'5"	9704 ft-lb	0.999 (100%)	D+S	L							

Uniform

L

Design Notes

Shear

1 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".

8'5 1/16" 0.409 (L/480) 0.090 (9%) S

8'5 1/16" 0.546 (L/360) 0.930 (93%) D+S

0.243 (24%) D

15'7 3/8" 7980 lb

- 2 Refer to last page of calculations for fasteners required for specified loads.
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top loads must be supported equally by all plies.
- 5 Top must be laterally braced at a maximum of 9'6 3/4" o.c.
- 6 Bottom braced at bearings.

1938 lb

LL Defl inch 0.035 (L/5617)

TL Defl inch 0.506 (L/388)

7 Lateral slenderness ratio based on single ply width

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments	
1	Uniform			Тор	180 PLF	0 PLF	0 PLF	0 PLF	0 PLF	B1GE	
2	Uniform			Тор	60 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Above	
3	Tie-In	0-0-0 to 16-10-0	1-0-0	Тор	20 PSF	0 PSF	20 PSF	0 PSF	0 PSF	Roof Load	
	Self Weight				9 PLF						

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 LVL not to be treated with fire retardant or corrosive
- Handling & Installation
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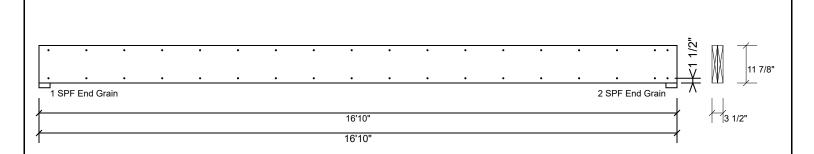
Date: 7/13/2020

Input by: David Landry Job Name: 2631 Darroch Rd. 2-B Page 12 of 12

Project #: J0720-3213

1.750" X 11.875" 2-Ply - PASSED **Kerto-S LVL GDH**

Level: Level



Multi-Ply Analysis

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Notes

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Handling & Installation

- Handling & Installation

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