

Client: Weaver Development Project: The Nicholson

Address:

The Nicholson

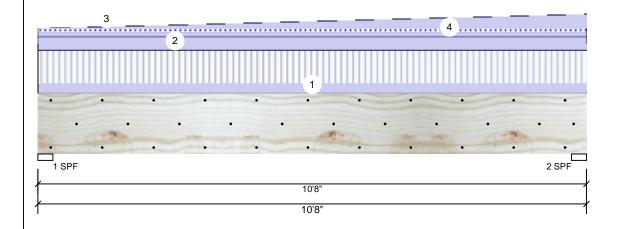
Date: 4/14/2022 Input by: Christine Shivy Job Name: Nicholson

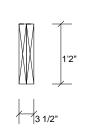
Level: Level

Project #:

Kerto-S LVL 1.750" X 14.000" BM₁

2-Ply - PASSED





Page 1 of 1

Member Information

Type

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

Girder

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

Reactions UNPATTERNED Ib (Uplift) Brg Wind Direction Live Dead Snow Const Vertical 1600 1698 213 0 0 1 1938 2 Vertical 1600 213 0 0

Bearings

Bearing	Length	Dir.	Cap. I	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF	3.500"	Vert	63%	1698 / 1600	3298	L	D+L
2 - SPF	3 500"	Vert	68%	1938 / 1600	3538	1	D+I

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	8351 ft-lb	5'5"	26999 ft-lb	0.309 (31%)	D+L	L
Unbraced	8351 ft-lb	5'5"	10599 ft-lb	0.788 (79%)	D+L	L
Shear	3001 lb	9'2 1/2"	10453 lb	0.287 (29%)	D+L	L
LL Defl inch	0.055 (L/2228)	5'4"	0.255 (L/480)	0.215 (22%)	L	L
TL Defl inch	0.117 (L/1043)	5'4 3/8"	0.340 (L/360)	0.345 (35%)	D+L	L

Design Notes

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 3 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at end bearings.
- 7 Bottom must be laterally braced at end bearings.

8 Lateral siende	8 Lateral sienderness 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			Near Face	100 PLF	300 PLF	0 PLF	0 PLF	0 PLF	F1A
2	Uniform			Тор	125 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Exterior Wall Load
3	Tapered Start	0-0-0		Тор	0 PLF	0 PLF	0 PLF	0 PLF	0 PLF	A1GE
	End	10-8-0			130 PLF	0 PLF	0 PLF	0 PLF	0 PLF	
4	Uniform			Тор	40 PLF	0 PLF	40 PLF	0 PLF	0 PLF	2'-0" Roof Load
	Self Weight				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
- 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

This design is valid until 11/3/2024

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

Manufacturer Info

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



CSD I



Client: Weaver Development Project:

The Nicholson The Nicholson Date: 4/14/2022 Input by: Christine Shivy

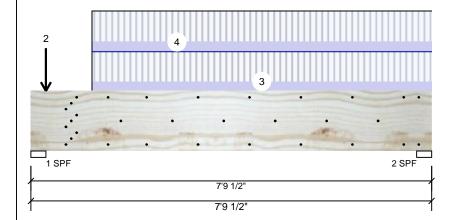
Job Name: Nicholson

Project #:

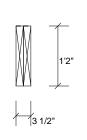
Kerto-S LVL 1.750" X 14.000" BM₂

2-Ply - PASSED

Level: Level



Address:



Page 1 of 1

Member Information

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

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

Reactions UNPATTERNED Ib (Uplift) Brg Snow Wind Direction Live Dead Const 3644 1261 0 0 Vertical 0 1 0 2 Vertical 2679 939 0 0

Bearings

Bearing Length Dir. Cap. React D/L lb Total Ld. Case Ld. Comb. D+L 1 - SPF 3.500" Vert 1261 / 3644 4905 L 2 - SPF 3.500" Vert 70% 939 / 2679 3619 L D+I

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	6133 ft-lb	3'11 1/2"	26999 ft-lb	0.227 (23%)	D+L	L
Unbraced	6133 ft-lb	3'11 1/2"	13870 ft-lb	0.442 (44%)	D+L	L
Shear	3460 lb	1'5 1/2"	10453 lb	0.331 (33%)	D+L	L
LL Defl inch	0.038 (L/2320)	3'11 1/8"	0.183 (L/480)	0.207 (21%)	L	L
TL Defl inch	0.051 (L/1717)	3'11 1/8"	0.244 (L/360)	0.210 (21%)	D+L	L

Design Notes

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

o Lateral Sieri	o Lateral Sienderness 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	Point	0-3-8		Near Face	306 lb	917 lb	0 lb	0 lb	0 lb	F3A
2	Point	0-3-8		Far Face	264 lb	790 lb	0 lb	0 lb	0 lb	F2A
3	Part. Uniform	1-2-4 to 7-9-8		Near Face	115 PLF	344 PLF	0 PLF	0 PLF	0 PLF	F3
4	Part. Uniform	1-2-4 to 7-9-8		Far Face	119 PLF	355 PLF	0 PLF	0 PLF	0 PLF	F2
	Self Weight				11 PLF					

Notes

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

This design is valid until 11/3/2024

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Client: Weaver Development Project: The Nicholson

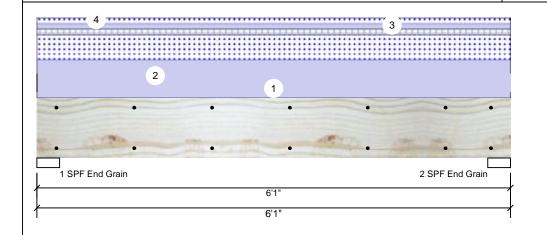
Date: 4/14/2022 Input by: Job Name: Nicholson The Nicholson

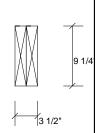
Project #:

1.750" X 9.250" 2-Ply - PASSED Level: Level F. Room Window Hdr. **Kerto-S LVL**

Address:

Christine Shivy





Ld. Comb.

Page 1 of 1

Type:	Girder
Plies:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	360
Importance:	Normal - II

Member Information

Temp <= 100°F

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

Comb.

Case

Rea	Reactions UNPAITERNED ID (Uplift)										
Brg	Direction	Live	Dead	Snow	Wind	Const					
1	Vertical	122	1375	928	0	0					
2	Vertical	122	1375	928	0	0					

Analysis Results Analysis Actual Location Allowed Capacity 3' 1/2" 14423 ft-lb Moment 2995 ft-lb

0.208 (21%) D+S L Unbraced 2995 ft-lb 3' 1/2" 10944 ft-lb 0.274 (27%) D+S L 1504 lb 1' 3/4" 7943 lb 0.189 (19%) D+S Shear ī LL Defl inch 0.019 (L/3521) 3' 1/2" 0.141 (L/480) 0.136 (14%) S TL Defl inch 0.048 (L/1418) 3' 1/2" 0.188 (L/360) 0.254 (25%) D+S

Bearings	5
Bearing	Length

Dir.

1 - SPF 3.500' Vert 1375 / 928 2303 L D+S End Grain 1375 / 928 D+S 2 - SPF 3.500" Vert 22% 2303 L End Grain

Cap. React D/L lb

Design Notes

Temperature:

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at end bearings.
- 7 Bottom must be laterally braced at end bearings.

8 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	125 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Load
2	Uniform			Тор	249 PLF	0 PLF	249 PLF	0 PLF	0 PLF	A1
3	Uniform			Тор	15 PLF	40 PLF	0 PLF	0 PLF	0 PLF	1'-0" Floor Load
4	Uniform			Тор	56 PLF	0 PLF	56 PLF	0 PLF	0 PLF	M1
	Self Weight				7 PLF					

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

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Total Ld. Case



This design is valid until 11/3/2024



Client: Weaver Development Project:

The Nicholson The Nicholson Date: 4/14/2022

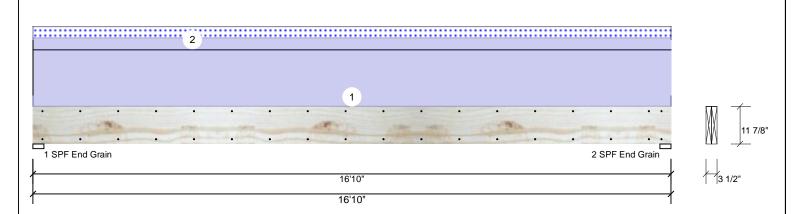
Christine Shivy Input by: Job Name: Nicholson

Project #:

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

Address:

Level: Level



Member Information Reactions UNPATTERNED Ib (Uplift) Type: Girder Application: Floor Brg Wind Direction Live Dead Snow Const Plies: 2 Design Method: ASD Vertical 0 2098 337 0 0 1 Moisture Condition: Dry **Building Code: IBC/IRC 2015** 2 Vertical 0 2098 337 0 0 Deflection LL: 480 Load Sharing: No Deflection TL: 360 Deck: Not Checked Importance: Normal - II Temperature: Temp <= 100°F Bearings Bearing Length Dir. Cap. React D/L lb Total Ld. Case Ld. Comb. 1 - SPF 3.500' Vert 24% 2098 / 337 2434 I D+S End Grain Analysis Results D+S 2 - SPF 3.500" Vert 24% 2098 / 337 2434 L Analysis Comb. Actual Location Allowed Case Capacity End 8'5" 17919 ft-lb Moment 8354 ft-lb 0.466 (47%) D Uniform Grain Unbraced 9694 ft-lb 8'5" 9704 ft-lb 0.999 D+S L

Uniform

ī.

TL Defl inch Design Notes

Shear

1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.

7980 lb

8'5 1/16" 0.409 (L/480) 0.171 (17%) S

(100%)

0.546 (L/360) 0.927 (93%) D+S

0.224 (22%) D

- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.

1'3 3/8"

8'5 1/16"

- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at a maximum of 9'6 3/4" o.c.
- 7 Bottom must be laterally braced at end bearings.

1788 lb

0.506 (L/388)

LL Defl inch 0.070 (L/2809)

8 Lateral slenderness ratio based on single ply width

o Lateral Sieridei	niess ratio based on single	pry widiri.									
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	200 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Exterior Loads (Siding/ Plywood, etc.)	
2	Uniform			Тор	40 PLF	0 PLF	40 PLF	0 PLF	0 PLF	2'0" Roof Load	
	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
- 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

This design is valid until 11/3/2024

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Manufacturer Info

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Client: Project: Address:

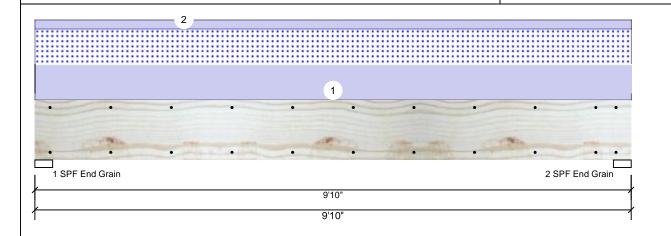
Weaver Development The Nicholson The Nicholson

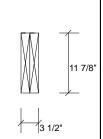
Date: 4/14/2022 Input by: Christine Shivy Job Name: Nicholson

Project #:

1.750" X 11.875" GDH-3 **Kerto-S LVL** 2-Ply - PASSED

Level: Level





Page 1 of 1

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

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

Reactions UNPATTERNED Ib (Uplift) Brg Live Wind Direction Dead Snow Const Vertical 0 1476 1136 0 0 1 2 Vertical 0 1476 1136 0 0

Analysis Results Analysis Actual Comb. Case Location Allowed Capacity 0.255 (25%) D+S Moment 5836 ft-lb 4'11" 22897 ft-lb L Unbraced 5836 ft-lb 4'11" 9857 ft-lb 0.592 (59%) D+S L 1940 lb 10197 lb 0.190 (19%) D+S Shear 1'3 3/8" ī LL Defl inch 0.048 (L/2337) 4'11" 0.234 (L/480) 0.205 (21%) S TL Defl inch 0.111 (L/1016) 4'11" 0.312 (L/360) 0.354 (35%) D+S L

Bearings

Bearing Length Dir. Cap. React D/L lb Total Ld. Case Ld. Comb. 1 - SPF 3.500" Vert 1476 / 1136 2612 I D+S End Grain 1476 / 1136 D+S 2 - SPF 3.500" Vert 2612 L End Grain

Design Notes

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at end bearings.
- 7 Bottom must be laterally braced at end bearings.
- 8 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	231 PLF	0 PLF	231 PLF	0 PLF	0 PLF	G1	
2	Uniform			Тор	60 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Exterior Loads	
	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

- 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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This design is valid until 11/3/2024



Client: Weaver Development Project: The Nicholson

The Nicholson

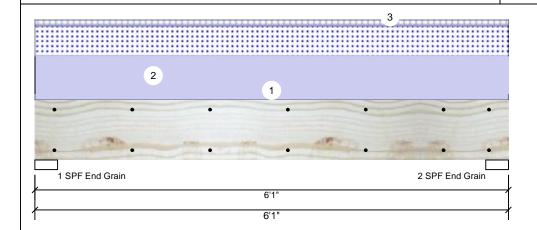
Date: 4/14/2022 Input by: Christine Shivy Job Name: Nicholson

Project #:

M. Bdrm. Window Hdr. **Kerto-S LVL** 1.750" X 9.250" 2-Ply - PASSED

Address:

Level: Level



Design Method:

Building Code:

Load Sharing:

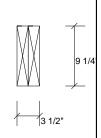
Deck:

ASD

No

IBC/IRC 2015

Not Checked



Page 1 of 1

Type:	Girder
Plies:	2
Moisture Condition:	Dry

Member Information

Deflection LL: 480 Deflection TL: 360 Importance: Normal - II

Temperature: Temp <= 100°F

Reactions UNPATTERNED Ib (Uplift) Application: Floor

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	122	1205	757	0	0
2	Vertical	122	1205	757	0	0

Bearings

Grain

Bearing	Length	Dir.	Cap. Re	eact D/L lb	Iotal	Ld. Case	Ld. Comb
1 - SPF End Grain	3.500"	Vert	19%	1205 / 757	1962	L	D+S
2 - SPF End	3.500"	Vert	19%	1205 / 757	1962	L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	2552 ft-lb	3' 1/2"	14423 ft-lb	0.177 (18%)	D+S	L
Unbraced	2552 ft-lb	3' 1/2"	10944 ft-lb	0.233 (23%)	D+S	L
Shear	1282 lb	1' 3/4"	7943 lb	0.161 (16%)	D+S	L
LL Defl inch	0.016 (L/4312)	3' 1/2"	0.141 (L/480)	0.111 (11%)	S	L
TL Defl inch	0.041 (L/1664)	3' 1/2"	0.188 (L/360)	0.216 (22%)	D+S	L

Design Notes

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at end bearings.
- 7 Bottom must be laterally braced at end bearings.
- 8 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	125 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Exterior Wall Load
2	Uniform			Тор	249 PLF	0 PLF	249 PLF	0 PLF	0 PLF	A1
3	Uniform			Тор	15 PLF	40 PLF	0 PLF	0 PLF	0 PLF	1'0" Floor Load
	Self Weight				7 PI F					

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 requirements, multi-ply fastening details, beam strength values, and code approvals
 Damaged Beams must not be used

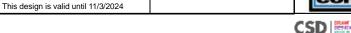
- Design assumes top edge is laterally restrained
 Provide lateral support at bearing points to avoid
 lateral displacement and rotation
- 6. For flat roofs provide proper drainage to prevent ponding

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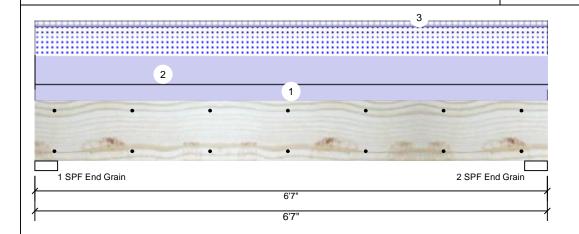
Weaver Development The Nicholson The Nicholson

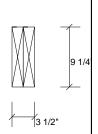
Date: 4/14/2022 Input by: Christine Shivy

Job Name: Nicholson

Project #:

Kerto-S LVL Sliding Door 1.750" X 9.250" 2-Ply - PASSED Level: Level





Ld. Comb.

Page 1 of 1

iviember inform	ation
Type:	Girder
Plies:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	360
Importance:	Normal - II
Temperature:	Temp <= 100°F

Mambar Information

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

Reactions UNPATTERNED Ib (Uplift) Wind Brg Direction Live Dead Snow Const Vertical 132 1386 820 0 0 1 2 Vertical 132 1386 820 0 0

Analysis Results Analysis Actual Comb. Case Location Allowed Capacity 3'3 1/2" 14423 ft-lb Moment 3143 ft-lb 0.218 (22%) D+S L Unbraced 3143 ft-lb 3'3 1/2" 10451 ft-lb 0.301 (30%) D+S L 1500 lb 1' 3/4" 7943 lb 0.189 (19%) D+S Shear ī LL Defl inch 0.021 (L/3461) 3'3 1/2" 0.153 (L/480) 0.139 (14%) S 3'3 1/2" 0.204 (L/360) 0.280 (28%) D+S TL Defl inch 0.057 (L/1286) L

Bearings

Grain

Bearing Length

Dir.

1 - SPF 3.500" Vert 1386 / 820 2206 L D+S End Grain D+S 2 - SPF 3.500" Vert 21% 1386 / 820 2206 L End

Cap. React D/L lb

Design Notes

- 1 Provide support to prevent lateral movement and rotation at the end bearings. Lateral support may also be required at the interior bearings by the building code.
- 2 Fasten all plies using 2 rows of 10d Box nails (.128x3") at 12" o.c. Maximum end distance not to exceed 6".
- 3 Refer to last page of calculations for fasteners required for specified loads.
- 4 Girders are designed to be supported on the bottom edge only.
- 5 Top loads must be supported equally by all plies.
- 6 Top must be laterally braced at end bearings.
- 7 Bottom must be laterally braced at end bearings.
- 8 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	150 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Exterior Wall Load
2	Uniform			Тор	249 PLF	0 PLF	249 PLF	0 PLF	0 PLF	A1
3	Uniform			Тор	15 PLF	40 PLF	0 PLF	0 PLF	0 PLF	1'-0" Floor Load
	Self Weight				7 PI F					

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
- LVI 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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Manufacturer Info

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Total Ld. Case



This design is valid until 11/3/2024