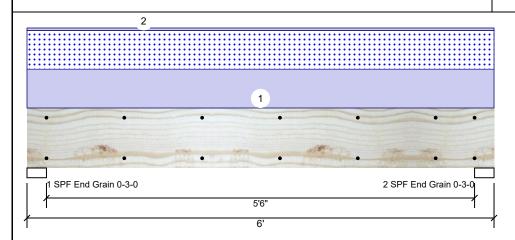


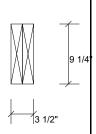
Project: Address: Date: 3/12/2025

Input by: Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

### 1.750" X 9.250" 2-Ply - PASSED HDR-1 **Kerto-S LVL**

Level: Level





Page 1 of 10

### **Member Information**

Type: 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	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1576	1464	0	0
2	Vertical	0	1576	1464	0	0

### **Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	4007 ft-lb	3'	14423 ft-lb	0.278 (28%)	D+S	L
Unbraced	4007 ft-lb	3'	10944 ft-lb	0.366 (37%)	D+S	L
Shear	2011 lb	1' 1/4"	7943 lb	0.253 (25%)	D+S	L
LL Defl inch	0.031 (L/2200)	3'	0.141 (L/480)	0.218 (22%)	S	L
TL Defl inch	0.064 (L/1060)	3'	0.188 (L/360)	0.340 (34%)	D+S	L

## Bearings

Bearing	Length	Dir.	Сар.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.000"	Vert	34%	1576 / 1464	3040	L	D+S
2 - SPF End Grain	3.000"	Vert	34%	1576 / 1464	3040	L	D+S

# **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	488 PLF	0 PLF	488 PLF	0 PLF	0 PLF	B2 TRUSS
2	Uniform			Тор	30 PLF	0 PLF	0 PLF	0 PLF	0 PLF	WALL
	Self Weight				7 PLF					

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

  2 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

This design is valid until 6/28/2026

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

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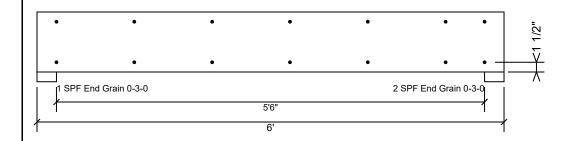
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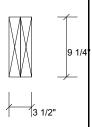
Project: Address: Date: 3/12/2025

Input by: Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED HDR-1

Level: Level





Page 2 of 10

# 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.
CM	1
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

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

This design is valid until 6/28/2026

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

Manufacturer Info						
Metsä Wood						
301 Morritt 7 Building						

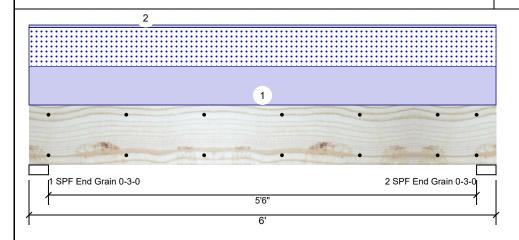


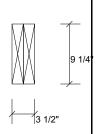
Project: Address: Date: 3/12/2025

Input by: Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

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

Level: Level





Page 3 of 10

### Member Information

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

Temp <= 100°F

Design Method: **Building Code:** Load Sharing:

Deck:

Application:

ASD **IBC/IRC 2015** 

No

Not Checked

### Reactions UNPATTERNED Ib (Uplift)

Brg	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	1498	1386	0	0
2	Vertical	0	1498	1386	0	0

# **Bearings**

End Grain

Bearing Length Dir. Cap. React D/L lb Total Ld. Case Ld. Comb. 1-SPF 3.000" D+S Vert 1498 / 1386 2884 I End Grain 2 - SPF 3.000" 1498 / 1386 2884 L D+S Vert

### **Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	3802 ft-lb	3'	14423 ft-lb	0.264 (26%)	D+S	L
Unbraced	3802 ft-lb	3'	10944 ft-lb	0.347 (35%)	D+S	L
Shear	1908 lb	1' 1/4"	7943 lb	0.240 (24%)	D+S	L
LL Defl inch	0.029 (L/2324)	3'	0.141 (L/480)	0.207 (21%)	S	L
TL Defl inch	0.060 (L/1117)	3'	0.188 (L/360)	0.322 (32%)	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	462 PLF	0 PLF	462 PLF	0 PLF	0 PLF	B2 TRUSS
2	Uniform			Тор	30 PLF	0 PLF	0 PLF	0 PLF	0 PLF	WALL
	Self Weight				7 PLF					

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 6/28/2026

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Manufacturer Info

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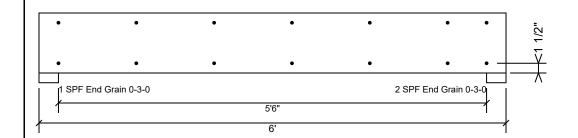
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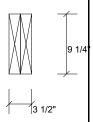
Project: Address: Date: 3/12/2025

Input by: Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

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

Level: Level





Page 4 of 10

# 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.
См	1
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

# 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

This design is valid until 6/28/2026

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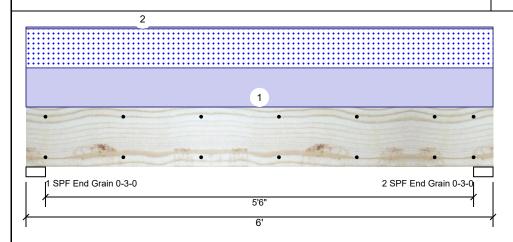


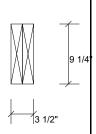
Project: Address: Date: 3/12/2025

Input by: Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

### 1.750" X 9.250" 2-Ply - PASSED **Kerto-S LVL** HDR-3

Level: Level





Page 5 of 10

### 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	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	2044	1932	0	0
2	Vertical	0	2044	1932	0	0

# **Analysis Results**

•						
Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	5241 ft-lb	3'	14423 ft-lb	0.363 (36%)	D+S	L
Unbraced	5241 ft-lb	3'	10944 ft-lb	0.479 (48%)	D+S	L
Shear	2628 lb	1' 1/4"	7943 lb	0.331 (33%)	D+S	L
LL Defl inch	0.040 (L/1667)	3'	0.141 (L/480)	0.288 (29%)	S	L
TL Defl inch	0.083 (L/810)	3'	0.188 (L/360)	0.444 (44%)	D+S	L

## Bearings

Bearing	Length	Dir.	Сар.	React D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.000"	Vert	45%	2044 / 1932	3976	L	D+S
2 - SPF End Grain	3.000"	Vert	45%	2044 / 1932	3976	L	D+S

# **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	644 PLF	0 PLF	644 PLF	0 PLF	0 PLF	A2 TRUSS
2	Uniform			Тор	30 PLF	0 PLF	0 PLF	0 PLF	0 PLF	WALL
	Self Weight				7 PLF					

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

  2 Damaged Beams must not be used
- 6. For flat roofs provide proper drainage to prevent ponding

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

- Design assumes top edge is laterally restrained
  Provide lateral support at bearing points to avoid
  lateral displacement and rotation
- This design is valid until 6/28/2026

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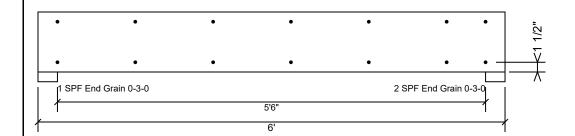
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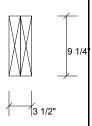
Date: 3/12/2025

Input by: Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

Kerto-S LVL 1.750" X 9.250" 2-Ply - PASSED HDR-3

Level: Level





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# 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.
CM	1
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

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

This design is valid until 6/28/2026

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Manufacturer Info

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Project: Address: Date: 3/12/2025

1 - SPF 3.500"

End Grain 2 - SPF 3.500"

End Grain Vert

Vert

30%

2504 / 565

2504 / 565

3069 L

3069 L

Input by: Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

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Wind

0

0

Const

Ld. Comb.

D+0.75(L+S)

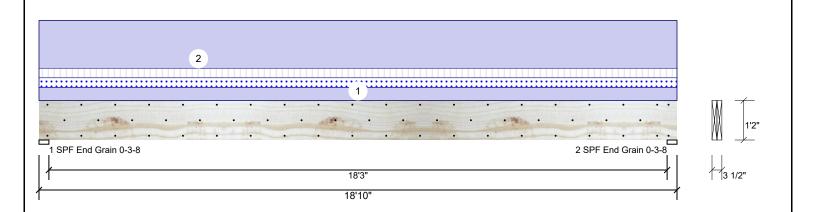
D+0.75(L+S)

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**Kerto-S LVL** 1.750" X 14.000" 2-Ply - PASSED **GDH-18** 

Level: Level



### Reactions UNPATTERNED Ib (Uplift) Application: Type: Floor Brg Direction Live Dead Snow Plies: 2 Design Method: ASD 377 2504 Vertical 377 1 Moisture Condition: Dry **Building Code: IBC/IRC 2015** 2 Vertical 377 2504 377 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

Analysi	s Res	ults
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Member Information

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	12910 ft-lb	9'5"	26999 ft-lb	0.478 (48%)	D+L	L
Unbraced	13754 ft-lb	9'5"	13784 ft-lb	0.998 (100%)	D+0.75(L+S)	L
Shear	2447 lb	1'5 1/2"	10453 lb	0.234 (23%)	D+L	L
LL Defl inch	0.102 (L/2160)	9'5 1/16"	0.459 (L/480)	0.222 (22%)	0.75(L+S)	L
TL Defl inch	0.555 (L/398)	9'5 1/16"	0.612 (L/360)	0.905 (91%)	D+0.75(L+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 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 a maximum of 7'5 9/16" o.c.
- 7 Bottom must be laterally braced at end bearings.

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	Uniform			Тор	55 PLF	40 PLF	40 PLF	0 PLF	0 PLF	R + F	
2	Uniform			Тор	200 PLF	0 PLF	0 PLF	0 PLF	0 PLF	WALL	
	Self Weight				11 PLF						

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
- 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 6/28/2026

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

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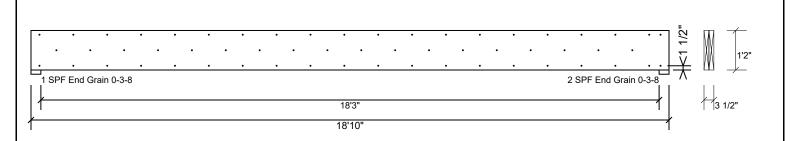
3/12/2025 Input by:

Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

Page 8 of 10

**Kerto-S LVL** 1.750" X 14.000" 2-Ply - PASSED **GDH-18** 

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".

·	-	
Capacity	0.0 %	
Load	0.0 PLF	
Yield Limit per Foot	245.6 PLF	
Yield Limit per Fastener	81.9 lb.	
См	1	
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

# Handling & Installation

Infoculing & 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

This design is valid until 6/28/2026

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Manufacturer Info

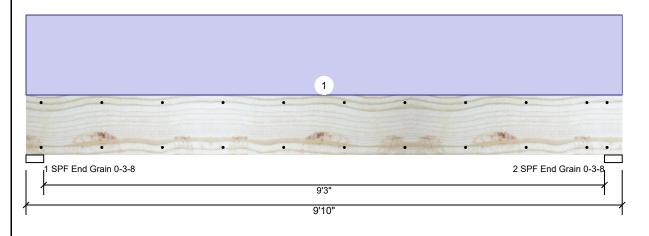


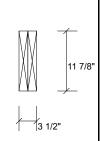
Project: Address: Date: 3/12/2025

Input by: Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

1.750" X 11.875" 2-Ply - PASSED GDH-9 **Kerto-S LVL** 

Level: Level





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Туре:	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	Direction	Live	Dead	Snow	Wind	Const
1	Vertical	0	517	0	0	0
2	Vertical	0	517	0	0	0

# **Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	1156 ft-lb	4'11"	17919 ft-lb	0.065 (6%)	D	Uniform
Unbraced	1156 ft-lb	4'11"	9664 ft-lb	0.120 (12%)	D	Uniform
Shear	392 lb	8'6 5/8"	7980 lb	0.049 (5%)	D	Uniform
LL Defl inch	0.000 (L/999)	0	999.000 (L/0)	0.000 (0%)		
TL Defl inch	0.022 (L/5130)	4'11"	0.312 (L/360)	0.070 (7%)	D	Uniform

# **Bearings**

Bearing	Length	Dir.	Cap. Read	t D/L lb	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	Vert	5%	517 / 0	517	Uniform	D
2 - SPF End Grain	3.500"	Vert	5%	517 / 0	517	Uniform	D

# **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 Location Trib Width Dead 0.9 Comments Load Type Side Live 1 Snow 1.15 Wind 1.6 Const. 1.25 0 PI F 1 Uniform 96 PLF 0 PLF 0 PLF 0 PLF Wall Top

Self Weight

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 6/28/2026

9 PLF

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isDesign

Client: Signature Homes

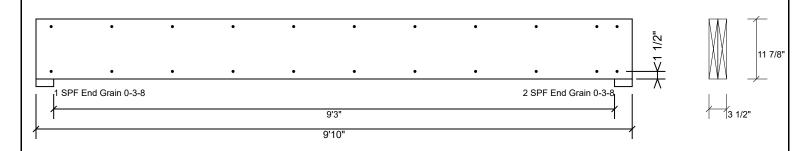
Project: Address: 3/12/2025

Input by: Anthony Williams Job Name: Lot 4 Mabry Ridge Project #: J0325-1367

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1.750" X 11.875" **Kerto-S LVL** 2-Ply - PASSED GDH-9

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".

rusteri dii piies dairig 2 rows or rod box ridiis (:120x5 ) de					
Capacity	0.0 %				
Load	0.0 PLF				
Yield Limit per Foot	163.7 PLF				
Yield Limit per Fastener	81.9 lb.				
См	1				
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

chemicals	

# Handling & Installation

- Handling & Installation

  1. IVI 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

6. For flat roofs provide proper drainage to prevent ponding

This design is valid until 6/28/2026

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