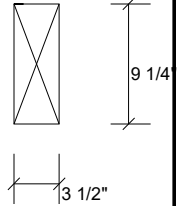
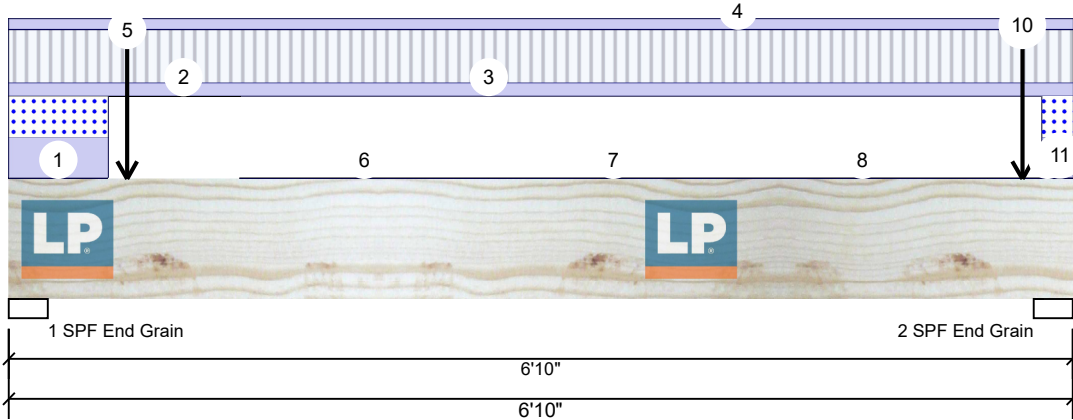


HD3-A LP-LSL 1.55E 3.500" X 9.250" - PASSED

Level: 2nd Flr



Member Information

Type:	Girder
Plies:	1
Moisture Condition:	Dry
Deflection LL:	360
Deflection TL:	240
Importance:	Normal - II
Temperature:	Temp <= 100°F
General Load	
Floor Live:	40 PSF
Dead:	10 PSF

Application:	Floor
Design Method:	ASD
Building Code:	IRC 2012
Load Sharing:	No
Deck:	Not Checked

Reactions PATTERNED lb (Uplift)

Brg	Live	Dead	Snow	Wind	Const
1	1589	1990	1230	0	0
2	1589	1990	1230	0	0

Bearings

Bearing	Length	Cap.	React D/L	Total	Ld. Case	Ld. Comb.
1 - SPF End Grain	3.000"	45%	1990 / 2114	4104	L	D+0.75(L+S)
2 - SPF End Grain	3.000"	45%	1990 / 2114	4104	L	D+0.75(L+S)

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	3989 ft-lb	3'3 5/8"	10127 ft-lb	0.394 (39%)	D+L	L
Shear	2414 lb	11 1/2"	10684 lb	0.226 (23%)	D+L	L
LL Defl inch	0.062 (L/1250)	3'5"	0.215 (L/360)	0.290 (29%)	L	L
TL Defl inch	0.104 (L/749)	3'4 1/2"	0.323 (L/240)	0.320 (32%)	D+L	L

Design Notes

- 1 Provide lateral support to prevent rotation at end bearings and at interior bearings when required by code for seismic design.
- 2 Dead Load Deflection: Instant = 0.042", Long Term = 0.062"
- 3 Girders are designed to be supported on the bottom edge only.
- 4 Top braced at bearings.
- 5 Bottom braced at bearings.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Part. Uniform	0-0-0 to 0-7-10		Top	360 PLF	0 PLF	360 PLF	0 PLF	0 PLF	
2	Tapered Start	0-0-0		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	1-5-13			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
3	Part. Uniform	0-0-0 to 6-10-0		Top	116 PLF	464 PLF	0 PLF	0 PLF	0 PLF	J4
4	Part. Uniform	0-0-0 to 6-10-0		Top	96 PLF	0 PLF	0 PLF	0 PLF	0 PLF	Wall Self Weight
5	Point	0-9-2		Top	1080 lb	0 lb	1080 lb	0 lb	0 lb	Header Column
	Bearing Length	0-3-8								
6	Tapered Start	1-5-13		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	

Continued on page 2...

Notes

This component analysis is based on the loads, geometry and other conditions as entered by the user and listed in this report. The user is responsible to ensure the accuracy of the input and the applicability to the actual conditions of the structure for which this component is intended. This analysis is valid only for the product listed.
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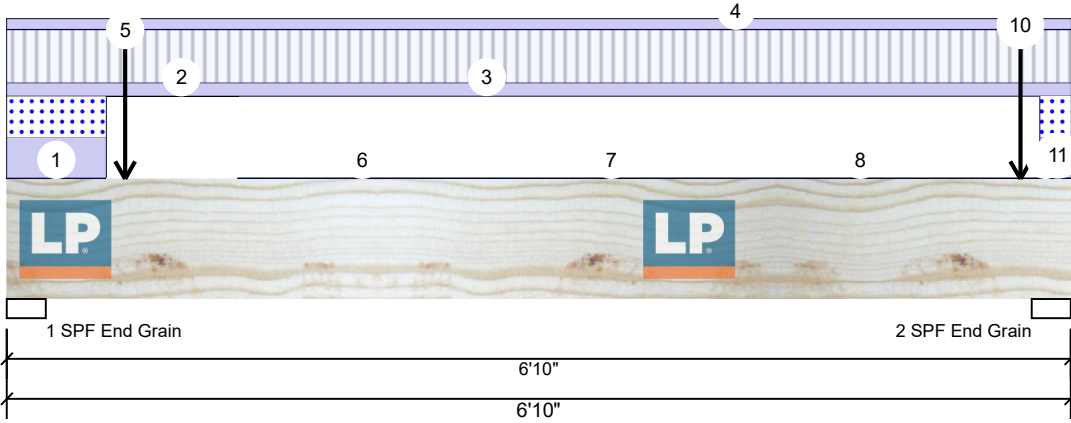
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This design is valid until
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HD3-A LP-LSL 1.55E 3.500" X 9.250" - PASSED

Level: 2nd Flr



...Continued from page 1

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
	End	3-1-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
7	Tapered Start	3-1-0		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	4-8-3			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
8	Tapered Start	4-8-3		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	6-3-6			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
9	Tapered Start	6-3-6		Top	0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
	End	6-10-0			0 PLF	1 PLF	0 PLF	0 PLF	0 PLF	
10	Point	6-6-2		Top	1080 lb	0 lb	1080 lb	0 lb	0 lb	Header Column
	Bearing Length	0-3-8								
11	Part. Uniform	6-7-10 to 6-10-0		Top	360 PLF	0 PLF	360 PLF	0 PLF	0 PLF	
	Self Weight				10 PLF					

Notes

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