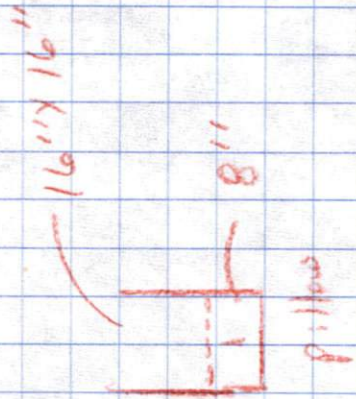
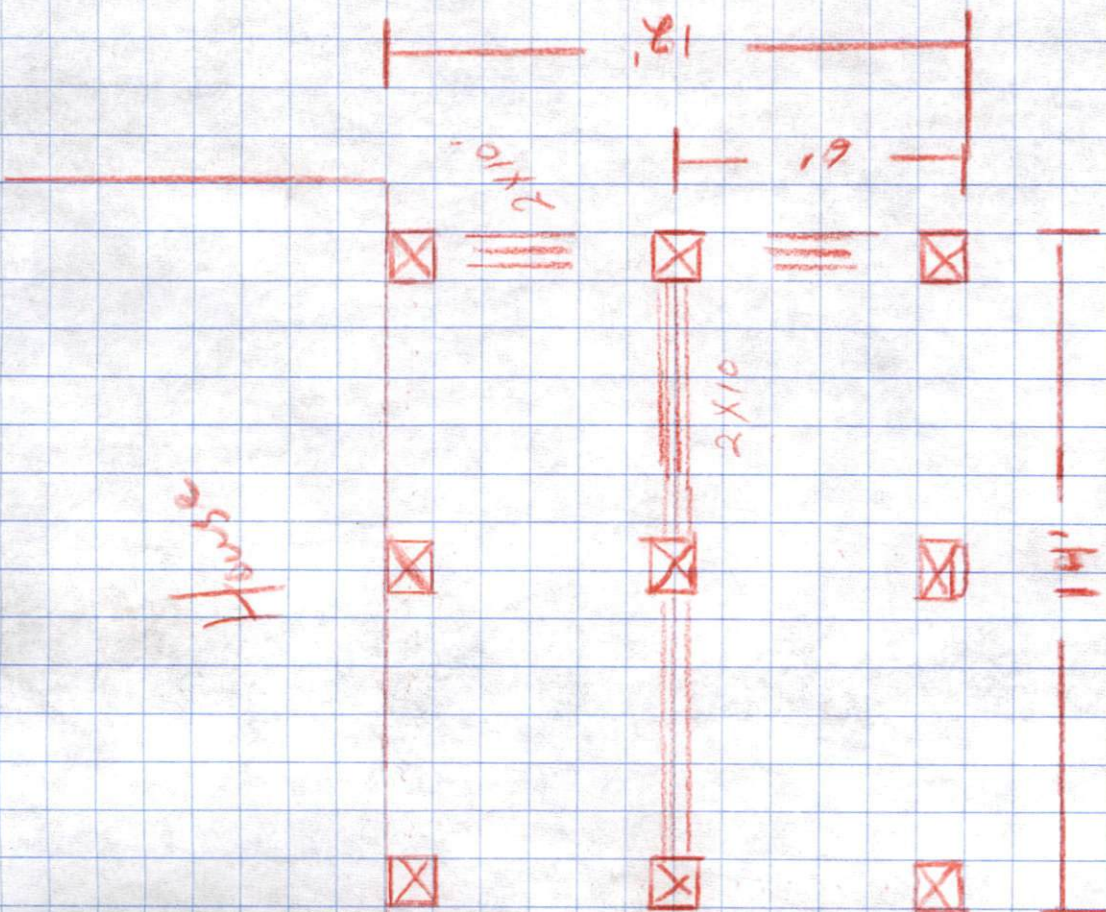


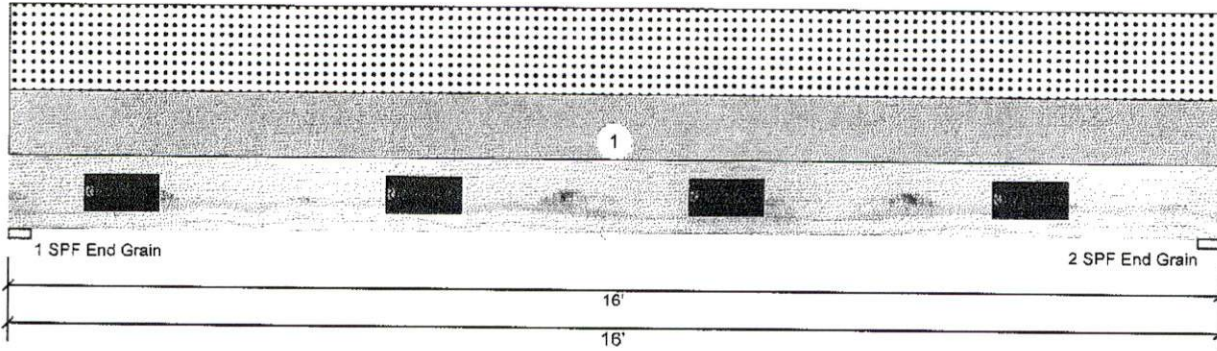
Handwritten note: *Handwritten*





Ridgebeam 2.0E Rigidlam LVL 1.750" X 11.875" - PASSED

Level: Level



Member Information

Reactions UNPATTERNED lb (Uplift)

Type:	Girder
Plies:	1
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal
Temperature:	Temp <= 100°F
General Load	
Floor Live:	40 PSF
Dead:	10 PSF

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

Brg	Live	Dead	Snow	Wind	Const
1	0	764	960	0	0
2	0	764	960	0	0

Bearings

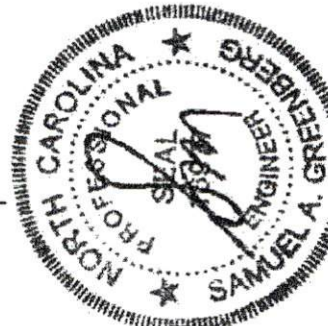
Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF End Grain	3.500"	38% 764 / 960	1724 L	D+S
2 - SPF End Grain	3.500"	38% 764 / 960	1724 L	D+S

Analysis Results

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	6506 ft-lb	8'	12235 ft-lb	0.532 (53%)	D+S	L
Unbraced	6506 ft-lb	8'	6509 ft-lb	1.000 (100%)	D+S	L
Shear	1451 lb	14'9 3/8"	4620 lb	0.316 (32%)	D+S	L
LL Defl inch	0.323 (L/578)	8' 1/16"	0.389 (L/480)	0.830 (83%)	S	L
TL Defl inch	0.579 (L/322)	8' 1/16"	0.777 (L/240)	0.750 (75%)	D+S	L

Design Notes

- Girders are designed to be supported on the bottom edge only.
- Top must be laterally braced at a maximum of 6'7 1/8" o.c.
- Bottom braced at bearings.



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License Number C-3462
Date: 10/26/2018
DE Job# 62109-W1

SIGNATURE & SEAL
APPLIES TO PAGES 1 - 3

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform Self Weight		6-0-0	Top	15 PSF 5 PLF	0 PSF	20 PSF	0 PSF	0 PSF	

Notes
Calculated Structural 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.

Lumber
1. Dry service conditions, unless noted otherwise
2. LVL not to be treated with fire retardant or corrosive chemicals

Handling & Installation
1. LVL 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

Manufacturer Info
Roseburg Forest Products
4500 Riddle By-pass Rd
Riddle OR 97469
(541) 784-4005
www.roseburg.com
APA: PR-L269, PR-L270, ICC-ES:
ESR-1210

Diamond Hill Plywood
2706 White Horse road, SC
US
29611
866-846-2715



This design is valid until 7/10/2021