

# ISO 9001 – Allowable Uniform Load Applied to Entire Outside Member – Size Selected Multi-Ply LVL, PSL, and LSL Assemblies

Member Assembly		Member Length	Member Width	Member Depth	Member Weight	W <sub>U</sub> (k)	W <sub>U</sub> (k)	W <sub>U</sub> (k)	W <sub>U</sub> (k)
Assembly	Grade	Span	Depth	Width	Weight	1 Span	2 Span	3 Span	4 Span
1.0	Form LVL	12	6	6	100	1000	1000	1000	1000
1.0	Form LVL	12	6	8	130	1300	1300	1300	1300
1.0	Form LVL	12	6	10	160	1600	1600	1600	1600
1.0	Form LVL	12	6	12	200	2000	2000	2000	2000
1.0	Form LVL	12	6	14	240	2400	2400	2400	2400
1.0	Form LVL	12	6	16	280	2800	2800	2800	2800
1.0	Form LVL	12	6	18	320	3200	3200	3200	3200
1.0	Form LVL	12	6	20	360	3600	3600	3600	3600
1.0	Form LVL	12	6	22	400	4000	4000	4000	4000
1.0	Form LVL	12	6	24	440	4400	4400	4400	4400
1.0	Form LVL	12	6	26	480	4800	4800	4800	4800
1.0	Form LVL	12	6	28	520	5200	5200	5200	5200
1.0	Form LVL	12	6	30	560	5600	5600	5600	5600
1.0	Form LVL	12	6	32	600	6000	6000	6000	6000
1.0	Form LVL	12	6	34	640	6400	6400	6400	6400
1.0	Form LVL	12	6	36	680	6800	6800	6800	6800
1.0	Form LVL	12	6	38	720	7200	7200	7200	7200
1.0	Form LVL	12	6	40	760	7600	7600	7600	7600
1.0	Form LVL	12	6	42	800	8000	8000	8000	8000
1.0	Form LVL	12	6	44	840	8400	8400	8400	8400
1.0	Form LVL	12	6	46	880	8800	8800	8800	8800
1.0	Form LVL	12	6	48	920	9200	9200	9200	9200
1.0	Form LVL	12	6	50	960	9600	9600	9600	9600
1.0	Form LVL	12	6	52	1000	10000	10000	10000	10000
1.0	Form LVL	12	6	54	1040	10400	10400	10400	10400
1.0	Form LVL	12	6	56	1080	10800	10800	10800	10800
1.0	Form LVL	12	6	58	1120	11200	11200	11200	11200
1.0	Form LVL	12	6	60	1160	11600	11600	11600	11600
1.0	Form LVL	12	6	62	1200	12000	12000	12000	12000
1.0	Form LVL	12	6	64	1240	12400	12400	12400	12400
1.0	Form LVL	12	6	66	1280	12800	12800	12800	12800
1.0	Form LVL	12	6	68	1320	13200	13200	13200	13200
1.0	Form LVL	12	6	70	1360	13600	13600	13600	13600
1.0	Form LVL	12	6	72	1400	14000	14000	14000	14000
1.0	Form LVL	12	6	74	1440	14400	14400	14400	14400
1.0	Form LVL	12	6	76	1480	14800	14800	14800	14800
1.0	Form LVL	12	6	78	1520	15200	15200	15200	15200
1.0	Form LVL	12	6	80	1560	15600	15600	15600	15600
1.0	Form LVL	12	6	82	1600	16000	16000	16000	

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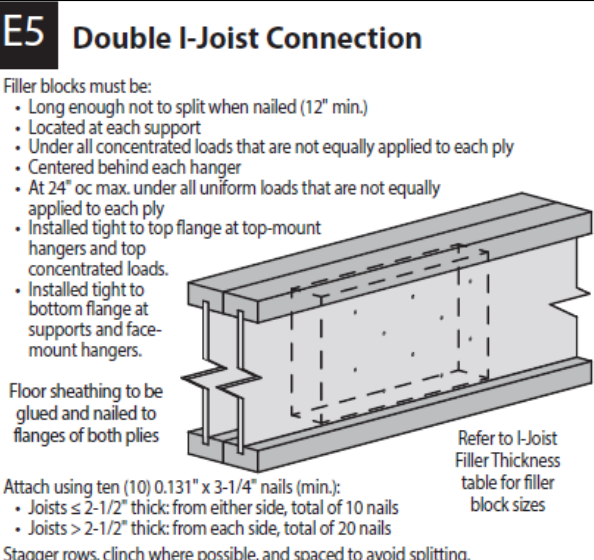
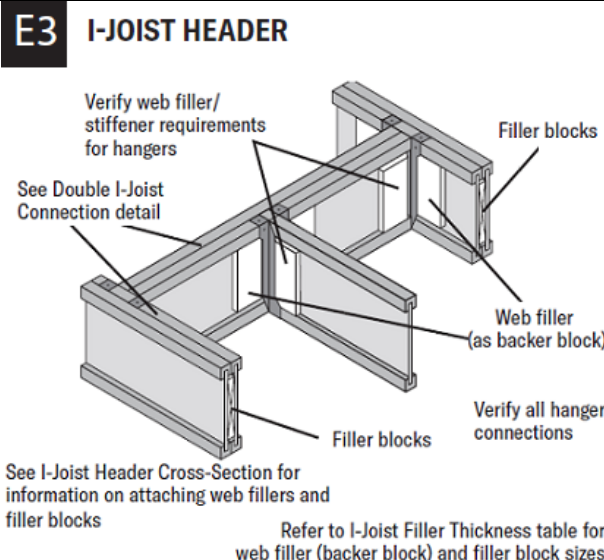
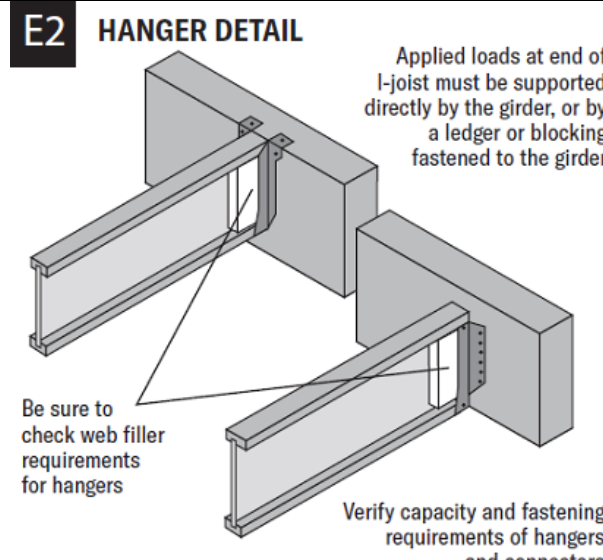
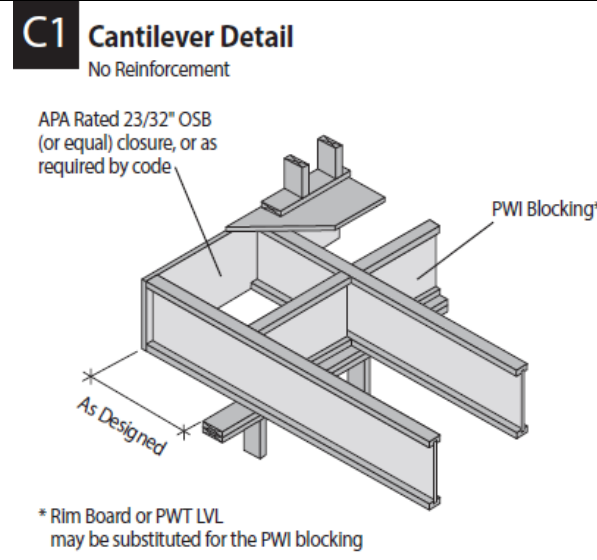
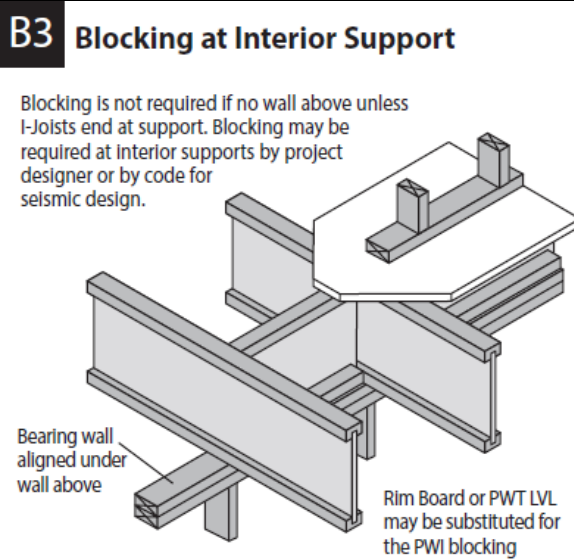
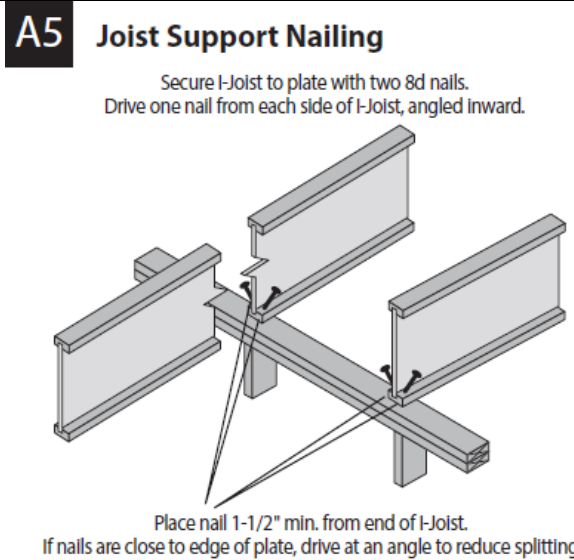
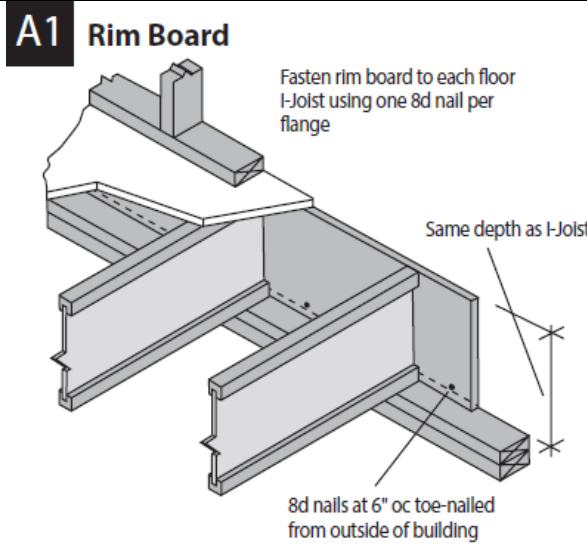
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The diagram illustrates the application of a uniform load  $W_U$  to a beam of length  $L$  and depth  $D$ . The beam is supported by two points, and the load is applied over the entire length. The diagram includes a cross-section of the beam and a side view showing the load distribution.

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## S. L U M B E






60 Satellite Blvd., Suite 4  
Duluth, GA 30097  
888-613-5078



## FOCUSED ON EWF



Scale 1/4"=1'0"

Tag	Qty	Product	Len
<b>Floor Joist</b>			
 J1		18 2-1/2"x16" PWI 32S	24'
<b>Beam</b>			
 B2		3 1-3/4"x9-1/4" PWT™ LVL	16'
 B2		2 1-3/4"x9-1/4" PWT™ LVL	10'
 B4		3 1-3/4"x18" PWT™ LVL	18'
 B5		2 1-3/4"x20" PWT™ LVL	20'
<b>Rim</b>			
 R1		8 1-1/8"x16" Tolko OSB Rim Board Plus	12'

Guy C Lee Building - 202507-78274

# Gilliam Residence

# Garage

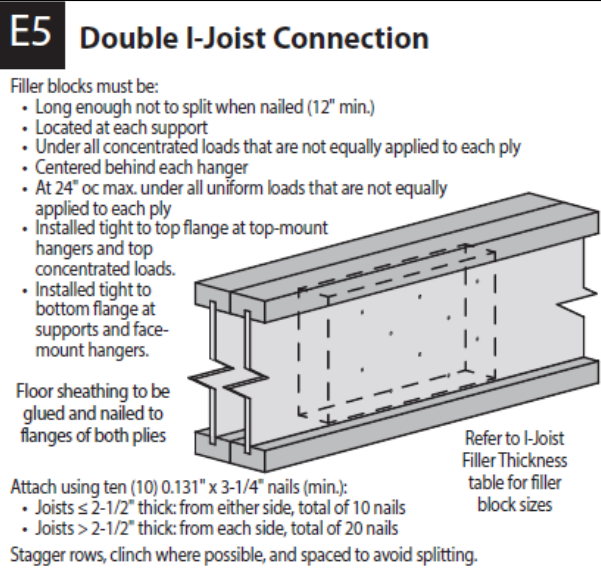
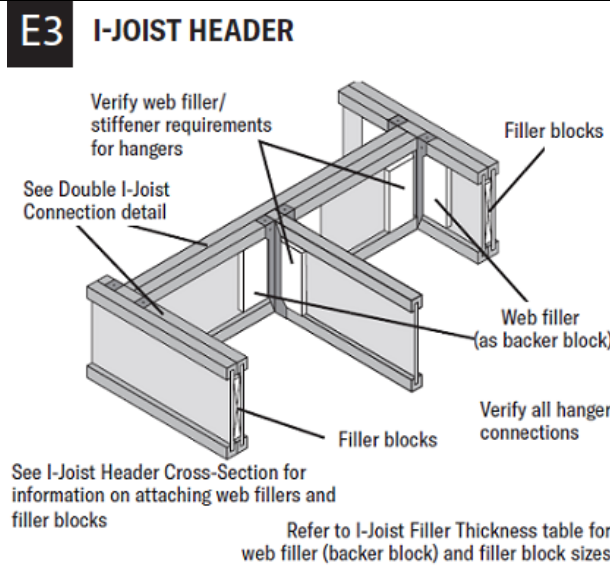
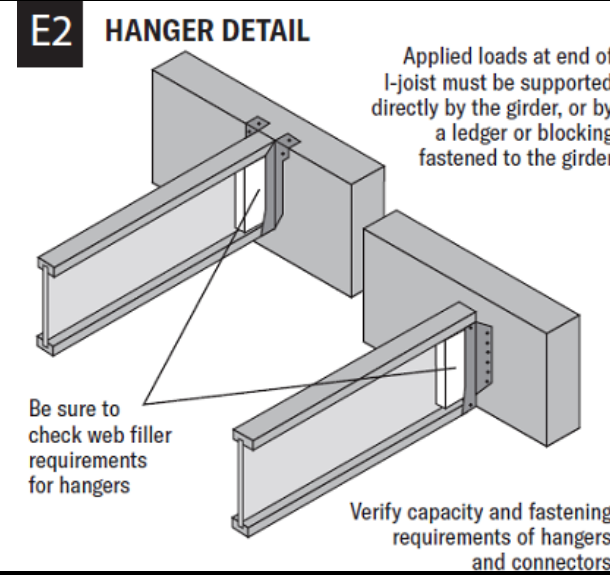
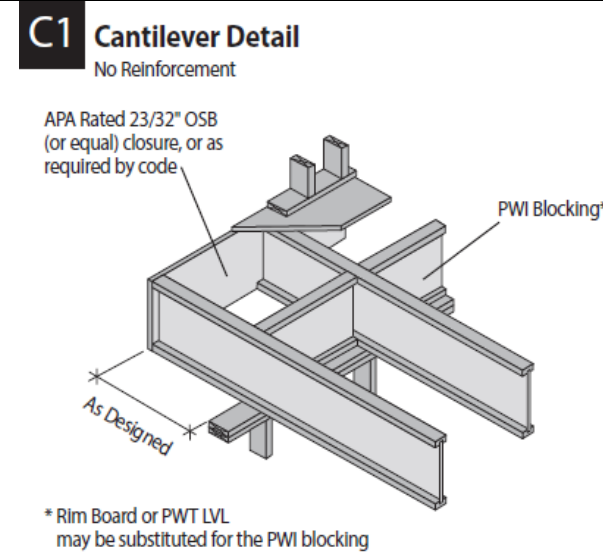
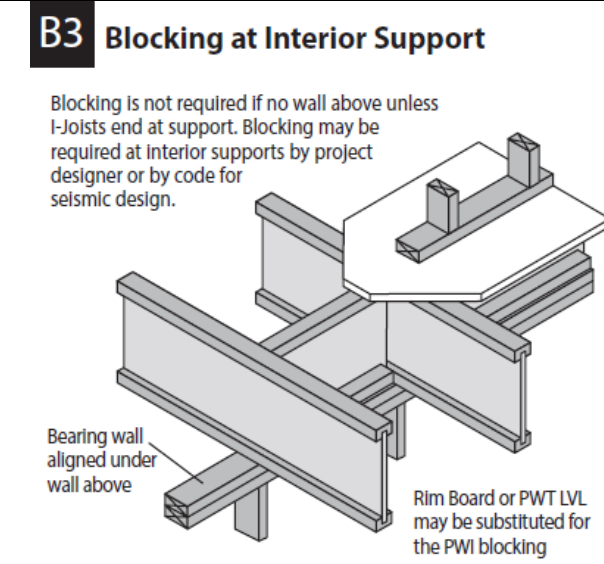
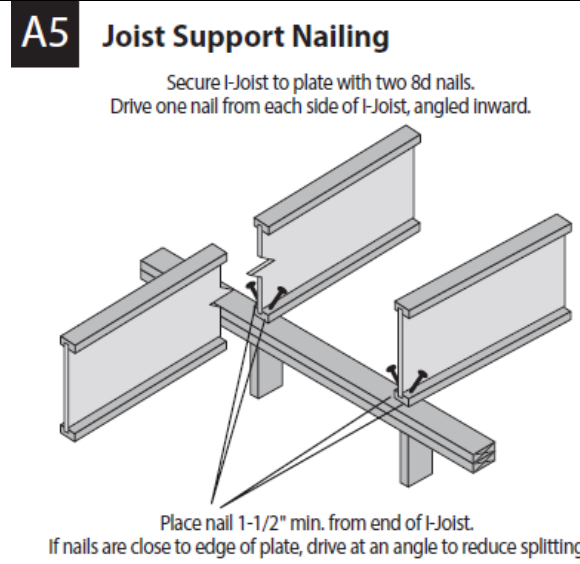
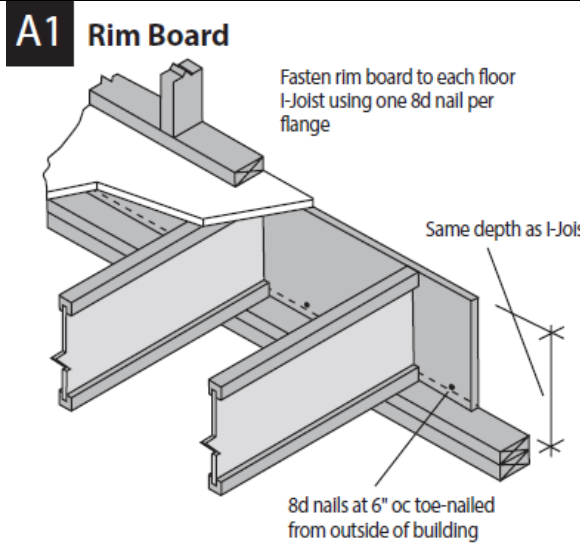
### Product Substitution Warning

FAILURE may result if this product is substituted with other brands or products. This analysis is for PACIFIC WOOD™ products only. US Lumber will not be responsible if other brands are substituted.

*These procurement plans for the products specified were based on the information provided to us. This service is solely intended for product application assurance; it is not intended to circumvent the need for a design professional as determined by the building codes. The designer of record and/or builder/frame is responsible to assure these drawings*

Load (PSF): **20**  
 d Load (PSF): **10**  
 d Deflection Criteria: **L/480**  
 Load (PSF): **40**  
 d Load (PSF): **10**  
 Date: **7/8/2025**  
 By: **Phillip T**  
**78274**



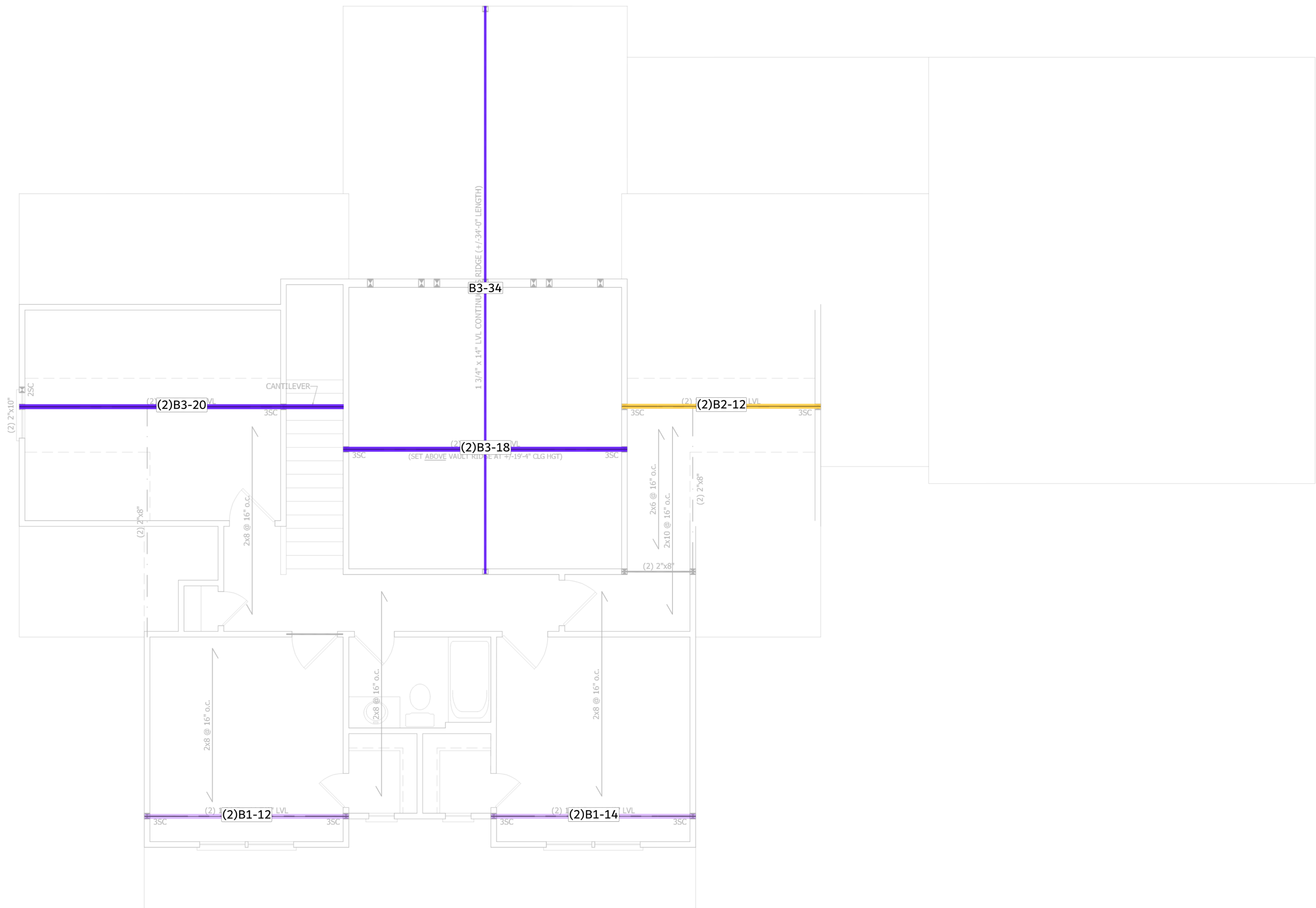
[illegible]

## U.S. L U M B E R

2160 Satellite Blvd., Suite 450  
Duluth, GA 30097  
888-613-5078



Tag	Qty	Product	Len
<b>Beam</b>			
B1	21	1-3/4"x11-7/8" PWT™ LVL	12'
B1	21	1-3/4"x11-7/8" PWT™ LVL	14'
B2	21	1-3/4"x9-1/4" PWT™ LVL	12'
B3	11	1-3/4"x14" PWT™ LVL	34'
B3	21	1-3/4"x14" PWT™ LVL	20'
B3	21	1-3/4"x14" PWT™ LVL	18'



Scale 1/4"=1'0"

Guy C Lee Building - 202507-78274

# Gilliam Residence

# Ceiling

### Product Substitution Warning

FAILURE may result if this product is substituted with other brands or products. This analysis is for PACIFIC WOODTECH products only. US Lumber will not be held responsible if other brands are substituted.

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Roof Live Load (PSF): <b>20</b>
Roof Dead Load (PSF): <b>10</b>
Floor Load Deflection Criteria: <b>L/480</b>
Floor Live Load (PSF): <b>40</b>
Floor Dead Load (PSF): <b>10</b>
Printed Date: <b>7/8/2025</b>
Estimator: <b>Phillip T</b>
Tracking: <b>78274</b>