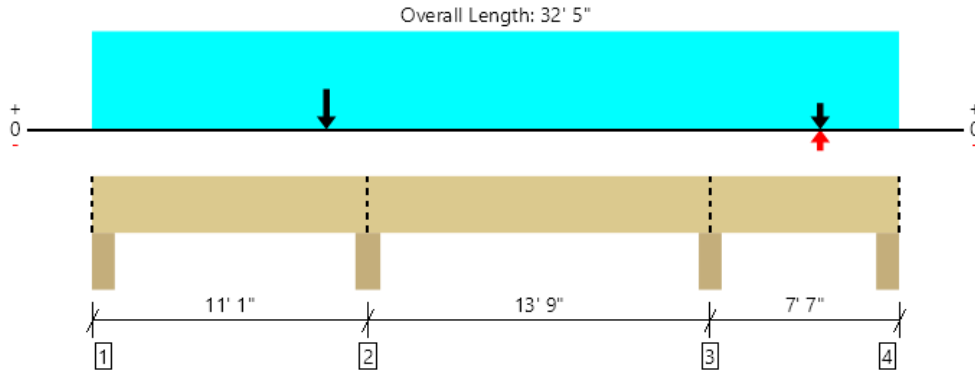


Sunroom, 06 - CENTER

1 piece(s) 5 1/4" x 9 1/4" 2.0E Parallam® Plus PSL SL2 - Moist Use (16% < MC <= 28%)



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	9194 @ 11' 1"	10631 (6.00")	Passed (86%)	--	1.0 D + 1.0 L (Adj Spans)
Shear (lbs)	4521 @ 10' 3/4"	6384	Passed (71%)	1.00	1.0 D + 1.0 L (Adj Spans)
Moment (Ft-lbs)	-10035 @ 11' 1"	11733	Passed (86%)	1.00	1.0 D + 1.0 L (Adj Spans)
Live Load Defl. (in)	0.318 @ 17' 10 1/8"	0.458	Passed (L/519)	--	1.0 D + 1.0 L (Alt Spans)
Total Load Defl. (in)	0.441 @ 18'	0.688	Passed (L/374)	--	1.0 D + 1.0 L (Alt Spans)

System : Floor
 Member Type : Drop Beam
 Building Use : Residential
 Building Code : IBC 2018
 Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (L/240).
- Allowed moment does not reflect the adjustment for the beam stability factor.
- -334 lbs uplift at support located at 32' 1". Strapping or other restraint may be required.

Supports	Bearing Length			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Snow	Total	
1 - Column - SYP	5.50"	5.50"	1.61"	701	2143/-375	174	3018/-375	Blocking
2 - Column - SYP	6.00"	6.00"	5.19"	3052	6142	1796	10990	Blocking
3 - Column - SYP	5.50"	5.50"	4.24"	1593	5914	-425	7507/-425	Blocking
4 - Column - SYP	5.50"	5.50"	1.50"	360	2286/-693	-262	2646/-955	Blocking

• Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	32' 5" o/c	
Bottom Edge (Lu)	32' 5" o/c	

•Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
0 - Self Weight (PLF)	0 to 32' 5"	N/A	17.6	--	--	
1 - Uniform (PSF)	0 to 32' 5" (Front)	10' 3"	12.0	40.0	-	SUNROOM FLOOR TRIB
2 - Point (lb)	9' 5" (Top)	N/A	460	285	725	Linked from: 04A FLOOR GIRDER (OUTSIDE), Support 1
3 - Point (lb)	29' 3" (Top)	N/A	-5	611	-264	Linked from: FIREPLACE DBL JOIST (OUTSIDE), Support 1
4 - Point (lb)	29' 3" (Top)	N/A	29	611	-264	Linked from: FIREPLACE DBL JOIST (INSIDE), Support 1
5 - Point (lb)	9' 5" (Top)	N/A	664	-	1108	Linked from: 04 FLOOR GIRDER (INTERIOR), Support 2

Forteweb Software Operator	Job Notes
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