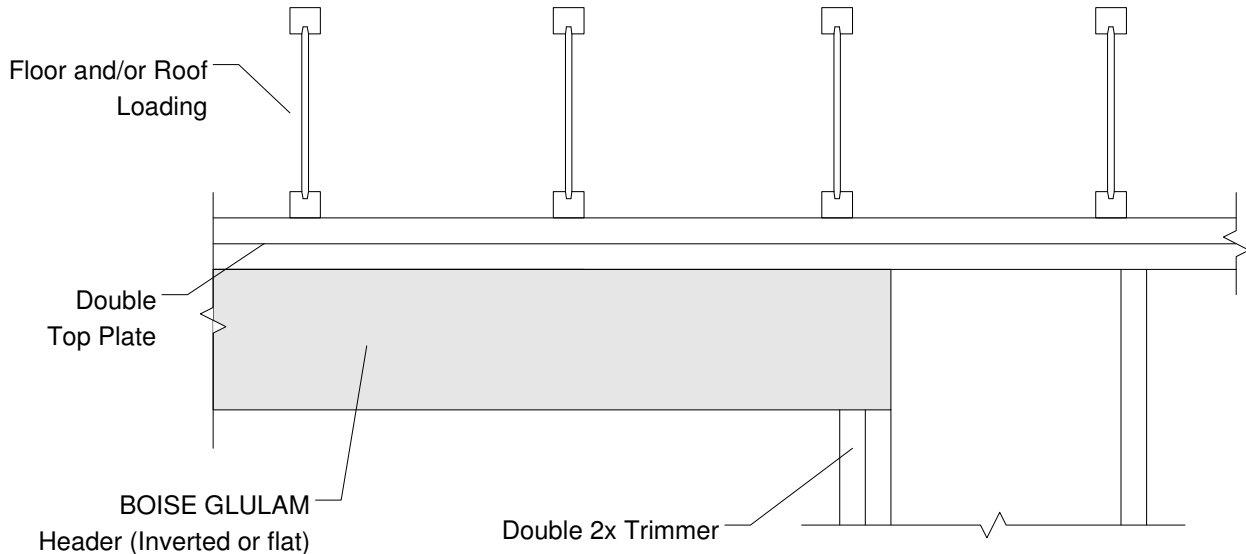




## Inverted BOISE GLULAM 24F-V4/DF Header Load Table



### **Inverted BOISE GLULAM Allowable Load Table [plf]**

Span [ft]	3.5"	3.5"	3.5"	5.5"	5.5"	5.5"
	5.5"	9.25"	11.25"	3.5"	9.25"	11.25"
3	2396	5172	7410	1378	8128	11645
	-	-	-	-	-	-
	1.6 / 3	3.4 / 4.3	4.9 / 6.1	1.5 / 3	3.4 / 4.3	4.9 / 6.1
4	1356	3300	4442	773	5185	6981
	-	-	-	728	-	-
	1.5 / 3	2.9 / 3.6	3.9 / 4.9	1.5 / 3	2.9 / 3.6	3.9 / 4.9
5	866	2422	3170	493	3806	4982
	-	-	-	373	-	-
	1.5 / 3	2.7 / 3.3	3.5 / 4.4	1.5 / 3	2.7 / 3.3	3.5 / 4.4
6	600	1702	2464	319	2675	3872
	599	-	-	216	-	-
	1.5 / 3	2.3 / 3	3.3 / 4.1	1.5 / 3	2.3 / 3	3.3 / 4.1
7	439	1248	1849	199	1962	2905
	377	-	-	136	-	-
	1.5 / 3	1.9 / 3	2.9 / 3.6	1.5 / 3	1.9 / 3	2.9 / 3.6
8	335	954	1413	132	1499	2221
	253	-	-	91	-	-
	1.5 / 3	1.7 / 3	2.5 / 3.1	1.5 / 3	1.7 / 3	2.5 / 3.1

- Table provides allowable load values [plf] considering that 24F-V4 glulams have been installed upside down or flat (5.5" x 3.5" only).
- Load Table Key: 1<sup>st</sup> value: Maximum Total Load [plf], 2<sup>nd</sup> value: Maximum Live Load [plf] ("-" indicates that total load value controls), 3<sup>rd</sup> values: Minimum End & Intermediate Bearing Lengths [in].



- Round the actual header clear span up to the next whole foot. Do not interpolate between spans.
- Table values apply to simple or multiple span headers.
- Table values are limited by bearing shear, moment, total load deflection equal to  $L/240$  or live load deflection equal to  $L/360$ . Table values are the capacity of the header in addition to its own weight.
- Inverted BOISE Glulam allowable design stresses:
  - Fiber Stress Bending  $[F_b] = 1850 \text{ lb/in}^2$
  - Horizontal Shear  $[F_v] = 265 \text{ lb/in}^2$
  - Modulus of Elasticity  $[E] = 1,800,000 \text{ lb/in}^2$
  - Compression at Bearing  $[F_c] = 650 \text{ lb/in}^2$
- Flat-use Boise Glulam (5.5" x 3.5" only) allowable design stresses:
  - Fiber Stress Bending  $[F_b] = 1450 \text{ lb/in}^2$
  - Horizontal Shear  $[F_v] = 230 \text{ lb/in}^2$
  - Modulus of Elasticity  $[E] = 1,600,000 \text{ lb/in}^2$
  - Compression at Bearing  $[F_c] = 560 \text{ lb/in}^2$
- Table values assume that header is laterally braced properly.
- Out-of-plane wind loading is not considered.