

MiTek Industries, Inc.

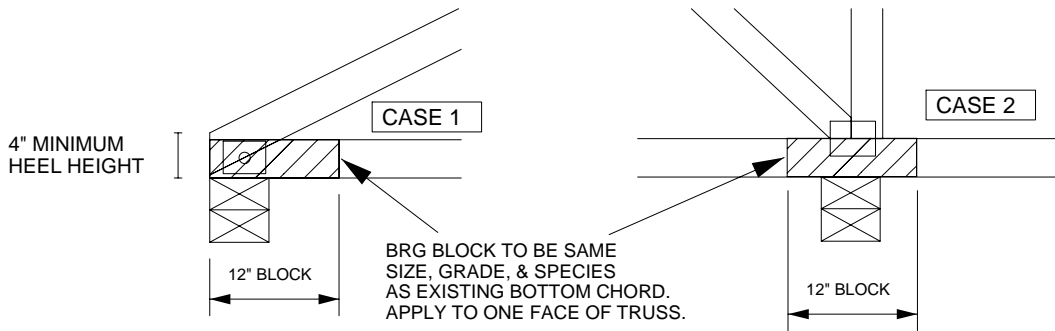
REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES

**IMPORTANT**

This detail to be used only with one ply trusses with a D.O.L. lumber increase of 1.15 or higher. Trusses not fitting these criteria should be examined individually.

**0-5-8 ACTUAL BEARING SIZE**

BOTTOM CHORD SIZE AND NAILING PATTERN	LUMBER GRADE	ALLOWABLE REACTION (lb) *	BEARING BLOCK ALLOWABLE LOADS	BEARING BLOCK & WOOD BEARING ALLOWABLE LOADS	
				ALLOWABLE LOAD (lb)	TOTAL EQUIVALENT BEARING LENGTH
2x4 BOTTOM CHORD 2 ROWS @ 3" O.C. (8 TOTAL NAILS)	SYP	4661	929	5590	0-6-9
	DF	5156	855	6011	0-6-6
	HF	3341	736	4077	0-6-11
	SPF	3506	726	4232	0-6-10
2x6 BOTTOM CHORD 3 ROWS @ 3" O.C. (12 TOTAL NAILS)	SYP	4661	1393	6054	0-7-2
	DF	5156	1282	6438	0-6-13
	HF	3341	1104	4445	0-7-5
	SPF	3506	1089	4595	0-7-3
2x8 BOTTOM CHORD 4 ROWS @ 3" O.C. (16 TOTAL NAILS)	SYP	4661	1858	6519	0-7-11
	DF	5156	1710	6866	0-7-5
	HF	3341	1472	4813	0-7-14
	SPF	3506	1452	4958	0-7-12



**NOTES:**

1. USE LOWER OF TOP PLATE OR TRUSS WOOD SPECIES.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. NAILS DESIGNATED ARE 10d (.131" DIAM. x 3")

\* FOR BEARINGS NOT NEARER THAN 3" TO THE END OF A MEMBER (CASE 2), THESE VALUES MAY BE MULTIPLIED BY A BEARING FACTOR OF 1.03

**LOADS BASED ON FOLLOWING F<sub>c</sub> PERPENDICULAR VALUES:**

- SYP = 565 psi
- DF = 625 psi
- HF = 405 psi
- SPF = 425 psi

NOTE: VALUES DO NOT INCLUDE MSR LUMBER WITH "E" VALUES GREATER THAN 1,900,000 PSI OR NON-DENSE GRADE LUMBER.