

MiTek Industries, Inc.

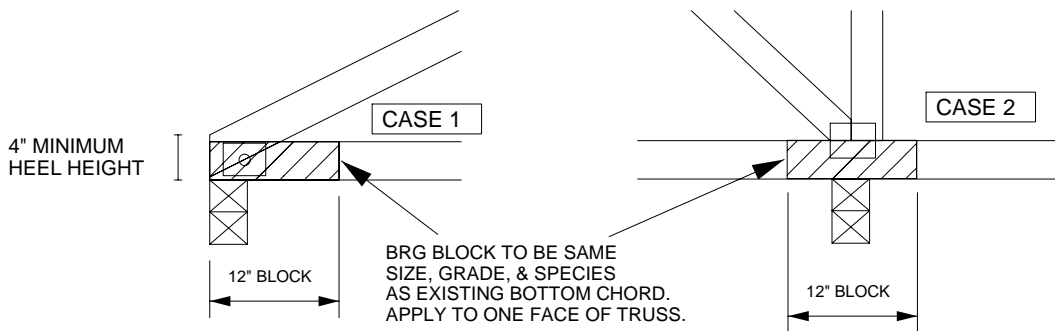
REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES

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.

0-3-8 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	2966	929	3895	0-4-9
	DF	3281	855	4136	0-4-6
	HF	2126	736	2862	0-4-11
	SPF	2231	726	2957	0-4-10
2x6 BOTTOM CHORD 3 ROWS @ 3" O.C. (12 TOTAL NAILS)	SYP	2966	1393	4359	0-5-2
	DF	3281	1282	4563	0-4-13
	HF	2126	1104	3230	0-5-5
	SPF	2231	1089	3320	0-5-3
2x8 BOTTOM CHORD 4 ROWS @ 3" O.C. (16 TOTAL NAILS)	SYP	2966	1858	4824	0-5-11
	DF	3281	1710	4991	0-5-5
	HF	2126	1472	3598	0-5-14
	SPF	2231	1452	3683	0-5-12



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 1.10

LOADS BASED ON FOLLOWING F_c 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.