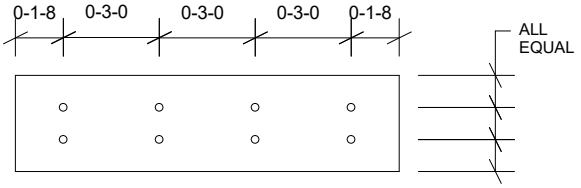
MiTek® ENGINEERED BY TRENCO A MiTek Affiliate

REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES

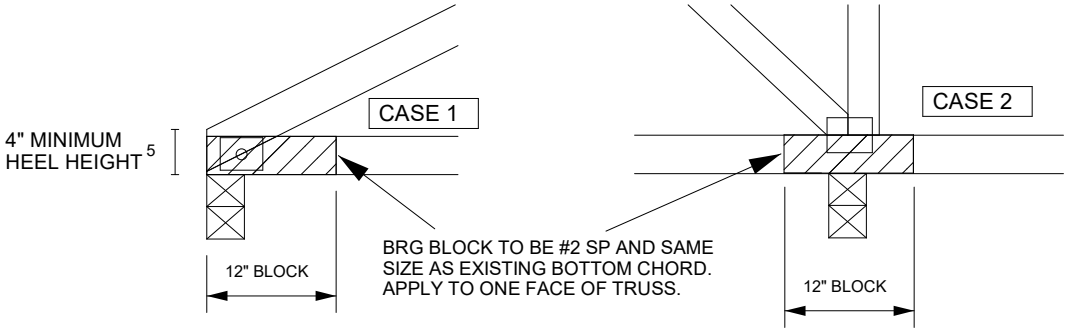
IMPORTANT
This detail to be used only with one ply trusses with a D.O.L. lumber increase of 1.15 or higher. Trusses not fitting these criteria should be examined individually.



NAIL PATTERN FOR 2x4
SIMILAR FOR 2x6 OR 2x8

0-5-8 ACTUAL BEARING SIZE

BOTTOM CHORD SIZE AND NAILING PATTERN	LUMBER SPECIE	ALLOWABLE REACTION (lb) CASE 1 [1]	ALLOWABLE REACTION (lb) CASE 2 [4]	ALLOWABLE BLOCK CAPACITY (lb)	BEARING BLOCK & WOOD BEARING ALLOWABLE			
					CASE 1 (lb)	CASE 1 (FT-IN-16THS)	CASE 2 (LB)	CASE 2 (FT-IN-16THS)
2x4 BOTTOM CHORD 2 ROWS @ 3" O.C. (8 TOTAL NAILS)	SP	4661	5127	976	5637	0-6-10	6103	0-7-3
	DF	5156	5672	932	6088	0-6-8	6604	0-7-1
	HF	3341	3675	858	4200	0-6-15	4534	0-7-7
	SPF	3506	3857	847	4353	0-6-13	4704	0-7-6
2x6 BOTTOM CHORD 3 ROWS @ 3" O.C. (12 TOTAL NAILS)	SP	4661	5127	1464	6125	0-7-4	6592	0-7-12
	DF	5156	5672	1398	6554	0-7-0	7070	0-7-9
	HF	3341	3675	1288	4629	0-7-10	4963	0-8-3
	SPF	3506	3857	1270	4777	0-7-8	5127	0-8-1
2x8 BOTTOM CHORD 4 ROWS @ 3" O.C. (16 TOTAL NAILS)	SP	4661	5127	1952	6613	0-7-13	7080	0-8-6
	DF	5156	5672	1864	7020	0-7-8	7536	0-8-1
	HF	3341	3675	1717	5058	0-8-5	5392	0-8-14
	SPF	3506	3857	1694	5200	0-8-3	5551	0-8-11



NOTES:
1. USE LOWER Fcperpendicular value OF TOP PLATE OR TRUSS WOOD SPECIES.
2. USE 1.5" END DISTANCE AND SPACE ROWS OF NAILS EQUALLY WITHIN THE DEPTH OF THE BLOCK, SEE DETAIL ABOVE .
3. NAILS DESIGNATED ARE 10d (0.131" X 3")
4. BEARING FACTOR OF 1.1 APPLIED, SEE CASE 2 DETAIL, END OF BLOCK MORE THAN 3" FROM THE END OF THE CHORD MEMBER.
5. BEARING BLOCK SHALL NOT BE CLIPPED FOR DETAIL TO BE VALID.
6. JOINT SPLICE IS PERMITTED IN A CASE 2 CONDITION.

LOADS BASED ON FOLLOWING Fc PERPENDICULAR VALUES:
SP = 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.