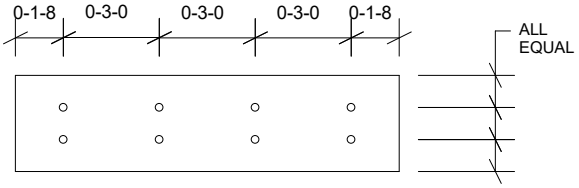
MiTek® ENGINEERED BY TRENCO A MiTek Affiliate

REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES

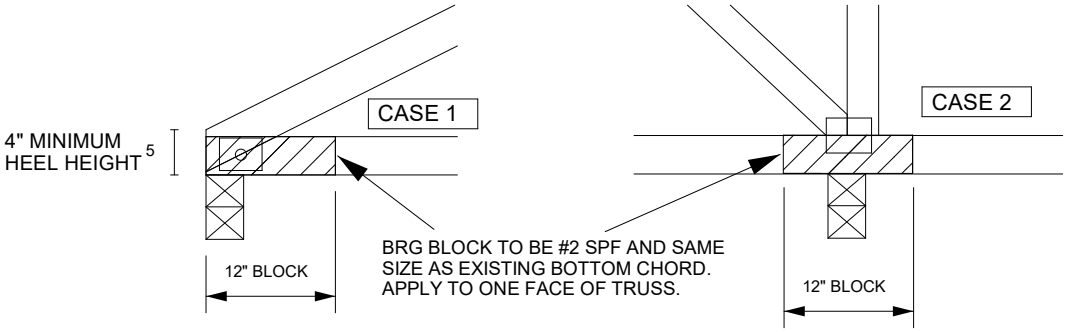
IMPORTANT
This detail to be used only with one ply trusses with a D.O.L. lumber increase of 1.15 or higher. Trusses not fitting these criteria should be examined individually.



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	847	5508	0-6-8	5974	0-7-1
	DF	5156	5672	818	5974	0-6-6	6490	0-6-15
	HF	3341	3675	767	4108	0-6-12	4442	0-7-5
	SPF	3506	3857	758	4265	0-6-11	4615	0-7-4
2x6 BOTTOM CHORD 3 ROWS @ 3" O.C. (12 TOTAL NAILS)	SP	4661	5127	1270	5932	0-7-0	6398	0-7-9
	DF	5156	5672	1226	6383	0-6-13	6898	0-7-6
	HF	3341	3675	1150	4491	0-7-6	4825	0-7-15
	SPF	3506	3857	1138	4644	0-7-5	4994	0-7-13
2x8 BOTTOM CHORD 4 ROWS @ 3" O.C. (16 TOTAL NAILS)	SP	4661	5127	1694	6355	0-7-8	6821	0-8-1
	DF	5156	5672	1635	6792	0-7-4	7307	0-7-13
	HF	3341	3675	1533	4874	0-8-0	5209	0-8-9
	SPF	3506	3857	1517	5023	0-7-14	5374	0-8-7



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 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.