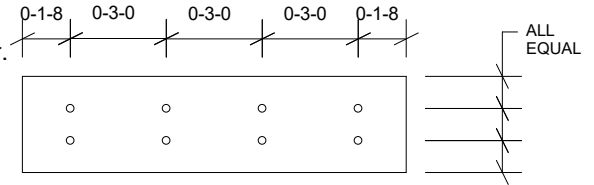




REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES

IMPORTANT

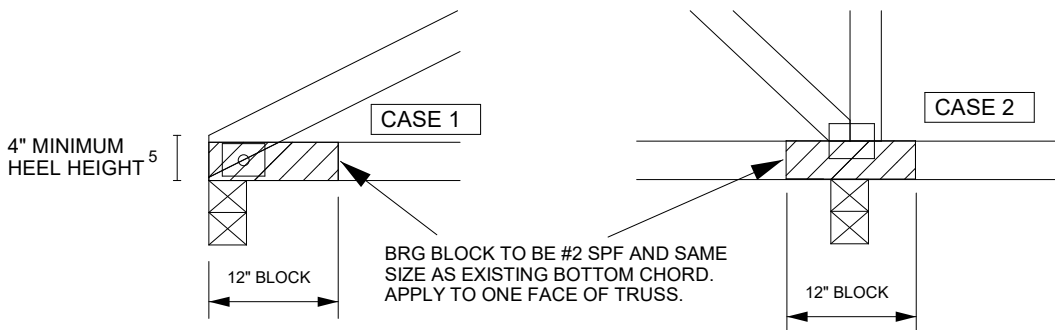
This detail to be used only with one ply trusses with a D.O.L. lumber increase of 1.15 or higher. Trusses not fitting these criteria should be examined individually.



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

0-3-8 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	2966	3263	847	3813	0-4-8	4110	0-4-14
	DF	3281	3609	818	4099	0-4-6	4427	0-4-12
	HF	2126	2339	767	2893	0-4-12	3105	0-5-2
	SPF	2231	2454	758	2990	0-4-11	3213	0-5-1
2x6 BOTTOM CHORD 3 ROWS @ 3" O.C. (12 TOTAL NAILS)	SP	2966	3263	1270	4237	0-5-0	4533	0-5-6
	DF	3281	3609	1226	4508	0-4-13	4836	0-5-3
	HF	2126	2339	1150	3276	0-5-6	3489	0-5-12
	SPF	2231	2454	1138	3369	0-5-5	3592	0-5-10
2x8 BOTTOM CHORD 4 ROWS @ 3" O.C. (16 TOTAL NAILS)	SP	2966	3263	1694	4660	0-5-8	4957	0-5-14
	DF	3281	3609	1635	4917	0-5-4	5245	0-5-10
	HF	2126	2339	1533	3659	0-6-0	3872	0-6-6
	SPF	2231	2454	1517	3748	0-5-14	3971	0-6-4



NOTES:

1. USE LOWER $F_{c\perp}$ 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 F_c 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.