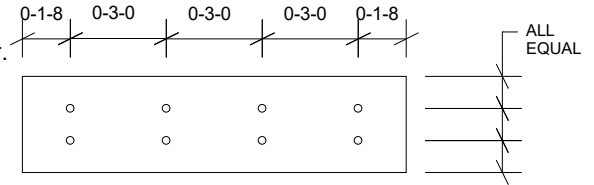




REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES

IMPORTANT

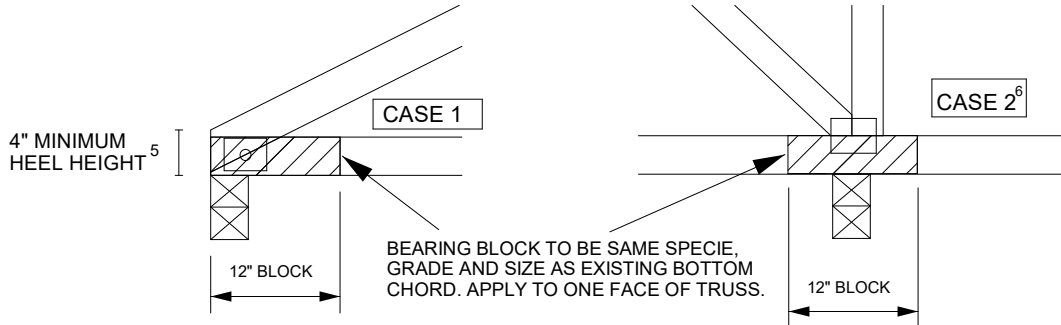
This detail to be used only with one ply trusses with a D.O.L. lumber increase of 1.15 or higher. Trusses not fitting these criteria should be examined individually.



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	976	3942	0-4-10	4239	0-5-0
	DF	3281	3609	893	4175	0-4-7	4503	0-4-13
	HF	2126	2339	775	2901	0-4-12	3114	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	1464	4430	0-5-4	4727	0-5-9
	DF	3281	3609	1340	4621	0-4-15	4950	0-5-4
	HF	2126	2339	1163	3289	0-5-7	3502	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	1952	4918	0-5-13	5215	0-6-2
	DF	3281	3609	1787	5068	0-5-6	5396	0-5-12
	HF	2126	2339	1550	3677	0-6-1	3889	0-6-6
	SPF	2231	2454	1517	3748	0-5-14	3971	0-6-4



BEARING BLOCK TO BE SAME SPECIE, GRADE AND SIZE AS EXISTING BOTTOM CHORD. APPLY TO ONE FACE OF TRUSS.

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 PERMISSIBLE 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.