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Finnforest USA, Engineered Wood Division

32205 Little Mack Avenue

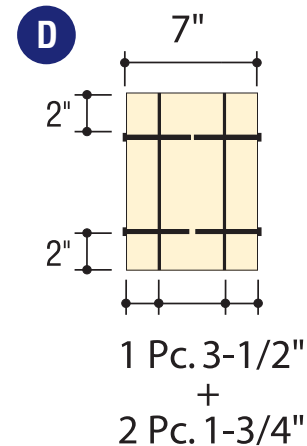
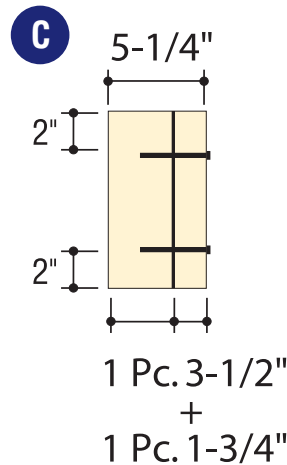
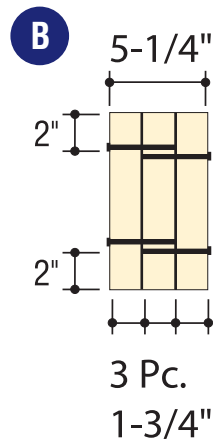
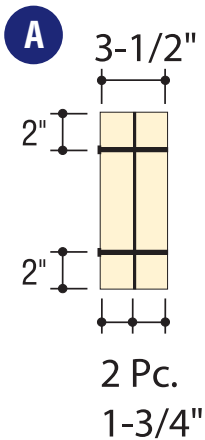
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PRE-ASSEMBLED MASTER PLANK BEAMS & HEADERS

ASSEMBLY PATTERNS



* ADDITIONAL INFORMATION FOLLOWING, SEE CHART BELOW RIGHT.

CAPACITY OF SIDE-LOADED BEAMS

Maximum Uniform Load Applied To Either Outside Member (plf)

MULTIPLE ASSEMBLY
(SEE ABOVE)

2-rows gun nails
.131 dia. x 3-1/4"
@ 8" o.c.

3-rows gun nails
.131 dia. x 3-1/4"
@ 8" o.c.

A
B (see 5)
C
D (see 5, 6)

426
426 (see 5)
426
426 (see 5, 6)

639
639 (see 5)
639
639 (see 5, 6)

*

Beam Depth	Nailing Pattern
7-1/4" to 11-1/4"	2-rows gun nails .131 dia. x 3-1/4" @ 8" o.c.
11-7/8" to 24"	3-rows gun nails .131 dia. x 3-1/4" @ 8" o.c.

- Specific gravity for nail and bolt design is 0.45. Nail design requirements use the 2001 edition of NDS®. NDS® does not purely apply to this connection problem. Nail values assume worst case mode III failure.
- Adding nails in field to create 4" on center nail connections will have design values of 852 plf and 1278 plf respectively.
- The beam must be sized to carry the applied load, the connection can then be checked for adequacy.
- Values listed are for 100% duration. Increase 15% for snow loaded roof conditions and 25% on non-snow loaded roof conditions.
- For 3 piece members, nailing specified is for both sides.
- 7" Wide beams may not be loaded from one side only. They must be loaded from both sides and/or top loaded.