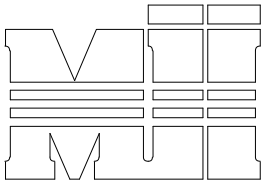


MAY 23, 2003

LATERAL TOE-NAIL DETAIL

ST-TOENAIL



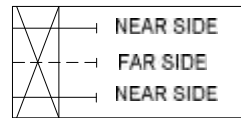
®

- NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
  2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
  3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE BOTTOM CHORD SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

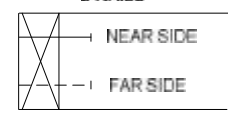
MiTek Industries, Inc.

SQUARE CUT

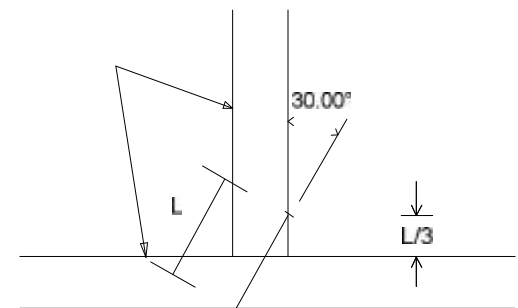
SIDE VIEW  
(2x4, 2x6)  
3 NAILS



SIDE VIEW  
(2x3)  
2 NAILS



TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)						
	DIAM.	SYP	DF	HF	SPF	SPF-S
3.5" LONG	.131	88.1	80.6	69.9	68.4	59.7
	.135	93.5	85.6	74.2	72.6	63.4
	.162	118.3	108.3	93.9	91.9	80.2
3.25" LONG	.128	84.1	76.9	66.7	65.3	57.0
	.131	88.1	80.6	69.9	68.4	59.7
	.148	106.6	97.6	84.7	82.8	72.3
3.0" LONG	.120	73.9	67.6	58.7	57.4	50.1
	.128	84.1	76.9	66.7	65.3	57.0
	.131	88.1	80.6	69.9	68.4	59.7
	.148	106.6	97.6	84.7	82.8	72.3



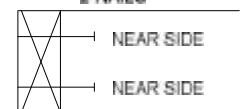
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.  
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

EXAMPLE:  
(3) - 16d NAILS (.162" diam. x 3.5") WITH SPF SPECIES BOTTOM CHORD

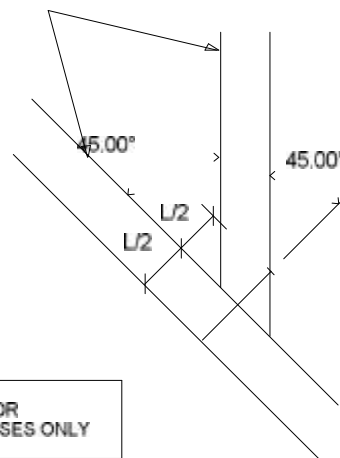
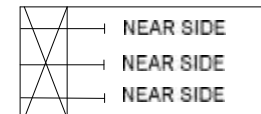
For load duration increase of 1.15:  
3 (nails) X 91.9 (lb/nail) X 1.15 (DOL) = 317.0 lb Maximum Capacity

45 DEGREE ANGLE BEVEL CUT

SIDE VIEW  
(2x3, 2x4)  
2 NAILS



SIDE VIEW  
(2x6)  
3 NAILS



VIEWS SHOWN ARE FOR  
ILLUSTRATION PURPOSES ONLY