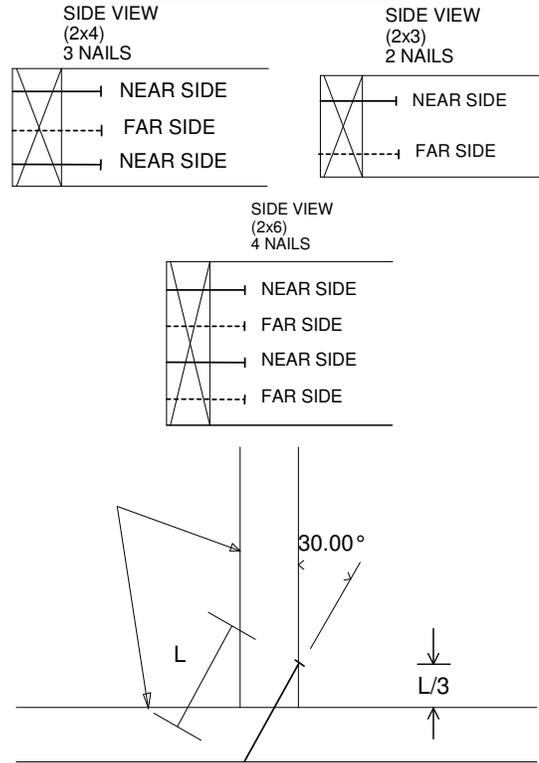


NOTES:

- 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.
- THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
- ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE BOTTOM CHORD SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

SQUARE CUT



TOE-NAIL SINGLE SHEAR VALUES PER NDS 2018 (lb/nail)						
	DIAM.	SP	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.

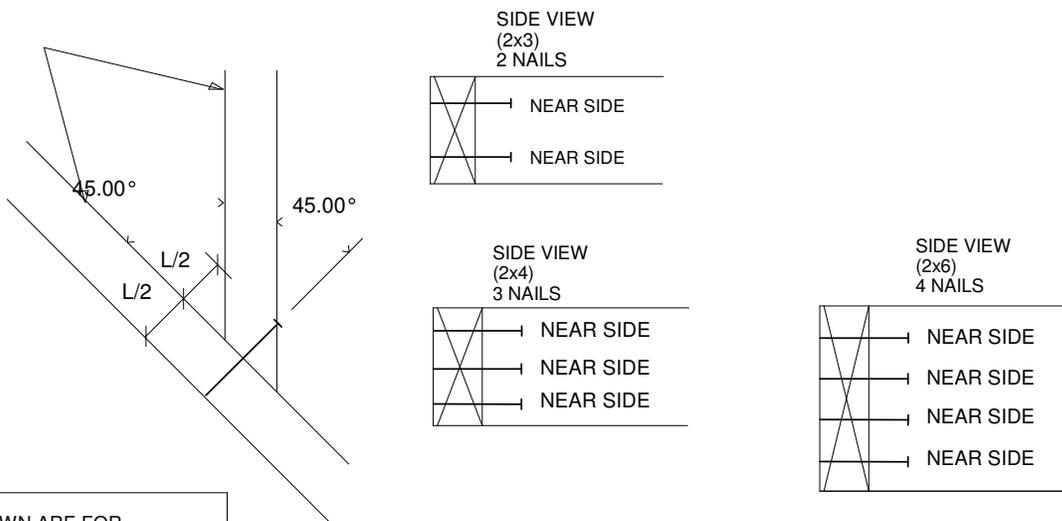
EXAMPLE:

(3) - 16d (0.162" X 3.5") NAILS WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:

$3 \text{ (nails)} \times 91.9 \text{ (lb/nail)} \times 1.15 \text{ (DOL)} = 317.0 \text{ lb Maximum Capacity}$

45 DEGREE ANGLE BEVEL CUT



VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY