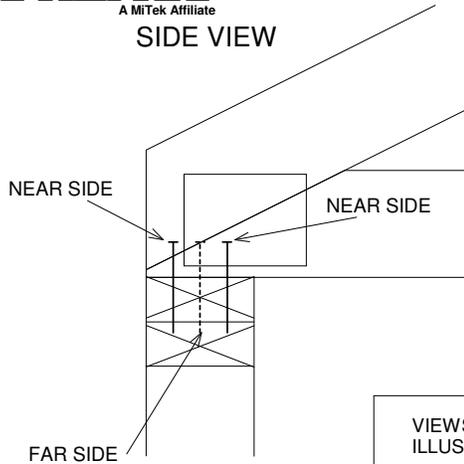


THIS DETAIL SHALL BE USED FOR A CONNECTION RESISTING UPLIFT FORCES ONLY. BUILDING DESIGNER IS RESPONSIBLE FOR LOADS IN OTHER DIRECTIONS.

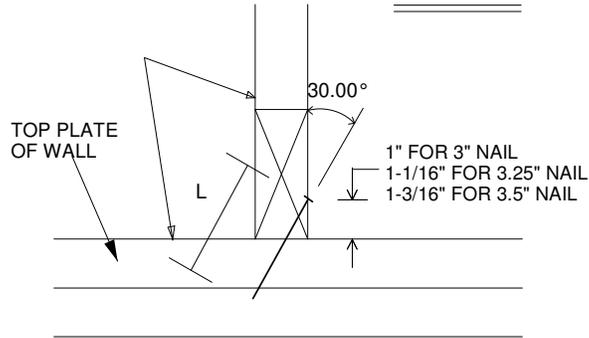
MiTek USA, Inc.



SIDE VIEW



END VIEW



VIEWES SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

TOE-NAIL WITHDRAWAL VALUES PER NDS 2018 (lb/nail)

		DIAM.	SP	DF	HF	SPF	SPF-S
NAIL LENGTH, L	3.5" LONG	.131	59	46	32	30	20
		.135	60	48	33	30	20
		.162	72	58	39	37	25
	3.25" LONG	.128	54	42	28	27	19
		.131	55	43	29	28	19
		.148	62	48	34	31	21
	3.0" LONG	.120	46	36	25	24	16
		.128	49	38	26	25	17
		.131	51	39	27	26	17
.148		57	44	31	28	20	

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 BASED ON THE SPECIE WITH LOWER NAIL CAPACITY BETWEEN THE TWO MEMBERS IN THE CONNECTION.

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 TOP PLATE

For Wind DOL of 1.33:

3 (nails) X 37 (lb/nail) X 1.33 (DOL for wind) = 148 lb Maximum Allowable Uplift Reaction Due To Wind

For Wind DOL of 1.60:

3 (nails) X 37 (lb/nail) X 1.60 (DOL for wind) = 177 lb Maximum Allowable Uplift Reaction Due To Wind

If the uplift reaction specified on the Truss Design Drawing exceeds 147 lbs (177 lbs) Building Designer is responsible to specify a different connection.

*** USE (3) TOE-NAILS ON 2x4 BEARING WALL

*** USE (4) TOE-NAILS ON 2x6 BEARING WALL