



June 1, 2024

**STANDARD REPAIR DETAIL FOR BROKEN CHORDS, WEBS
AND DAMAGED OR MISSING CHORD SPLICE PLATES**

MII-R

MiTek



TOTAL NUMBER OF NAILS EACH SIDE OF BREAK *		X INCHES	MAXIMUM FORCE (lbs) 15% LOAD DUR.					
			SP		DF		SPF	
2x4	2x6		2x4	2x6	2x4	2x6	2x4	2x6
20	30	24"	1706	2559	1561	2342	1320	1980
26	39	30"	2194	3291	2007	3011	1697	2544
32	48	36"	2681	4022	2454	3681	2074	3112
38	57	42"	3169	4754	2900	4350	2451	3672
44	66	48"	3657	5485	3346	5019	2829	4248

* DIVIDE EQUALLY FRONT AND BACK

ATTACH 2x SCAB OF THE SAME SIZE AND GRADE AS THE BROKEN MEMBER TO
FACE OF THE TRUSS (CENTER ON BREAK OR SPLICE) WITH 10d (0.131" X 3")
(TWO ROWS FOR 2x4, THREE ROWS FOR 2x6) SPACED 4" O.C. AS SHOWN
STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 0-2"
SPACING IN THE MAIN MEMBER. USE A MIN. 0-3-0 MEMBER END DISTANCE

THE LENGTH OF THE BREAK (C) SHALL NOT EXCEED 12". (C=PLATE LENGTH FOR SPLICE)
THE MINIMUM OVERALL SCAB LENGTH REQUIRED (L) IS CALCULATED AS FOLLOWS:
 $L = (2) X + C$

• 10d NAILS NEAR SIDE
+ 10d NAILS FAR SIDE

