lob	Truss	Truss Type		Qty	Ply	Lot 4	l4 Purfoy Pl	ace	
J0923-5485	A2	ROOF SPECIAL		6		1 lab Ba	ference (entions	1)	
Comtech, Inc., Faye	etteville, NC 28309, Linwood Norris	F	Run: 8.430 s	May 12 2021 Pr	int: 8.430 s	May 12 20	eference (optiona 21 MiTek Industr	ies, Inc. Tue Feb	6 08:11:25 2024 Page 1
	-0-10-8 8-0-0	16-4-0		ID:ha9gM 22-4-0	28-4-0		38-8-0	=JXMiAoPYfnpaDr 	CFKBF8QQfEA9xz8znx00
	0-10-8 8-0-0	8-4-0		6-0-0	6-0-0		10-4-0	,	
				5x8	=				Scale = 1:87.1
			9.00 12	T3 6		T3			
		4x8 🖊	5 //	/ W6		7	4x8 <		
		4		17	√5	-	8		
	13-5-0		32	2x6	II		(E)		
	3 00 12	242 - 72		9				9 4x4 ×	
		6x12 =	W4	7-2-0		WA	Z.	4 4x4 N	
		W2		12-0-0)			HW2 10	
	012	NA/3		B3 B2 ©			B2		0-5-8
	0 1 2 11	W3 (\$)) B2 💿 💿	12		Ed an	4x8	14 In
		15 4x8 =	13 4x12 =		5x8 =	11 = 4x8 =		470 []	
		2x4	47.12		OXO -	17.0			
	6-1-12	8-0-0, 16-4-0		28-4-0)	717	38-8-0		
	6-1-12	-10-4 8-4-0		12-0-0			10-4-0		
Plate Offsets (X,Y	() [3:0-5-12,0-2-4], [13:0-3-0,0-						1.74	PLATES	GRIP
LOADING (psf) TCLL 20.0	SPACING- 2-0 Plate Grip DOL 1.		6	DEFL. Vert(LL)	in (loc 0.59 10-1		L/d 240	MT20	244/190
TCDL 10.0	Lumber DOL 1.	15 BC 0.7			0.50 10-1 0.04 10		240 n/a		
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YE Code IRC2015/TPI20		_	11012(01)				Weight: 309	lb FT = 20%
LUMBER- TOP CHORD 2x6	3 SP No.1 *Except* ; 2x4 SP No.1	'	,	BRACING- TOP CHORE BOT CHORE	Rigio	d ceiling di	rectly applied o	ectly applied or 4 r 6-0-0 oc bracir	1-10-11 oc purlins. ng.
BOT CHORD 2x6				JOINTS		ace at Jt(s		hilizers and regu	uired cross bracing
W	5: 2x6 SP No.1				be	installed d	luring truss ere	ction, in accorda	nce with Stabilizer
	ght 2x4 SP No.2 - 6-4-5				Ins	tallation g	uide.		
Ma Ma	/size) 16=1891/0-3-8 (min. 0-2 ax Horz 16=411(LC 9) ax Uplift16=-361(LC 12), 10=-20 ax Grav 16=1928(LC 2), 10=1463	8(LC 13)	n. 0-1-12)						
TOD CHORD 2	Max. Comp./Max. Ten All force -18=-762/982, 3-18=-749/1054, -19=-382/215, 6-20=-383/212, 7	3-4=-1920/510 4-5=-169	19/543. 5-13	9=-435/1/5,					
BOT CHORD 2	-21=-1863/508, 10-21=-2025/50 -16=-957/788, 15-16=-359/118 <mark>4</mark> 1-12=-176/1471, 10-11=-170/14	5 (14-15=-346/1182, 13-1			1494,				

WEBS

NOTES1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=150mph Vasd=119mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-10-8 to 3-6-5, Interior(1) 3-6-5 to 22-4-0, Exterior(2) 22-4-0 to 26-8-13, Interior(1) 26-8-13 to 38-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are 4x6 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will lift between the bottom chord and any other members, with BCDI = 10.0psf.

3-16=-2139/804, 3-15=-432/426, 3-13=-492/928, 5-13=-3/534, 7-11=-15/643, 5-17=-1357/608, 7-17=-1357/608

will fit between the bottom chord and any other members, with BCDL = 10.0psf.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 361 lb uplift at joint 16 and 208 lb uplift at

7) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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

ED-REP01A1

ENGINEERED BY A MiTek Affiliate

Trenco, Edenton, North Carolina

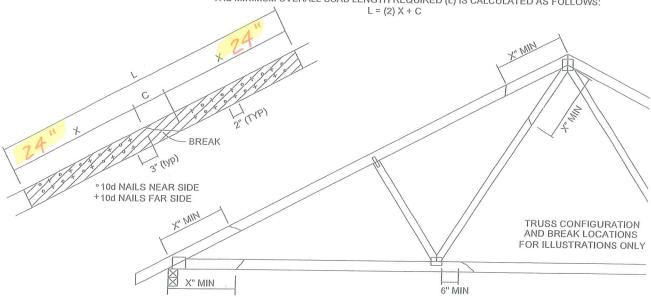
Page 1 of 1

TOTAL NUMBER OF NAILS EACH SIDE OF BREAK *			MAXIMUM FORCE (lbs) 15% LOAD DURATION								
		X INCHES	SP		DF		SPF		HF		
2x4	2x6		2x4	2x6	2x4	2x6	(2x4)	2x6	2x4	2x6	
20	30	24"	1706	2559	1561	2342	1320	1980	1352	2028	
26	39	30"	2194	3291	2007	3011	1697	2546	1738	2608	
32	48	36"	2681	4022	2454	3681	2074	3111	2125	3187	
38	57	42"	3169	4754	2900	4350	2451	3677	2511	3767	
44	66	48"	3657	5485	3346	5019	2829	4243	2898	4347	

* DIVIDE EQUALLY FRONT AND BACK

ATTACH 2x_ SCAB OF THE SAME SIZE AND GRADE AS THE BROKEN MEMBER TO EACH FACE OF THE TRUSS (CENTER ON BREAK OR SPLICE) WITH 10d NAILS (TWO ROWS FOR 2x4, THREE ROWS FOR 2x6) SPACED 4" O.C. AS SHOWN.(.131"dia. x 3") STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 0-2-0 O.C. 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 REPAIRS) THE MINIMUM OVERALL SCAB LENGTH REQUIRED (L) IS CALCULATED AS FOLLOWS:



THE LOCATION OF THE BREAK MUST BE GREATER THAN OR EQUAL TO THE REQUIRED X DIMENSION FROM ANY PERIMETER BREAK OR HEEL JOINT AND A MINIMUM OF 6" FROM ANY INTERIOR JOINT (SEE SKETCH ABOVE)

DO NOT USE REPAIR FOR JOINT SPLICES

- NOTES:

 1. THIS REPAIR DETAIL IS TO BE USED ONLY FOR THE APPLICATION SHOWN. THIS REPAIR DOES

 NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS

 SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED

 REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLING REPAIR
- AND HELD IN PLACE DURING APPLICATION OF REPAIR.
 THE END DISTANCE, EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID
- UNUSUAL SPLITTING OF THE WOOD.
 WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.
 THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 2x_ ORIENTATION ONLY.
 THIS REPAIR IS LIMITED TO TRUSSES WITH NO MORE THAN THREE BROKEN MEMBERS.



May 27,2015

WARNING -Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-1473 rev. 1/29/2014 BEFORE USE MARITING -Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTER REFERENCE DAGE MIT-1473 Rex. 1/29/2013 BEFOREUSE
Design volid for use only with Millex connectors. This design is based only upon parameters shown, and is for an individual building component.
Applicability of design parameters and proper incorporation of component is responsibility of building designer—not furst setsigners, Raccing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANS/IPI1 Quality Criteria, DSB-89 and BCSI Building Component Safely Information available from Trust Plate Institute of the design values are those effective 36/01/2018 by ALEC



BANKERSKETT LERKELTE

818 Soundside Road Edenton, NC 27932