
ADDRESS : 401 BRUCE JOHNSON RD SUBDIV: JOHNSON FARMS 34 LOTS
TENANT, NBR: CALLED DUKE 8/26/16 LB
CONTRACTOR : GARY ROBINSON HOMES LLC PHONE : (910) 977-2562
OWNER : GARY ROBINSON HOMES LLC PHONE :
PARCEL : 11-0661- - -0100- -39-
APPL NUMBER: 16-50039061 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 06/28/2016 02:00 PM DJOHNSON --
JOHNSON FARMS LOT 39
PREMISE#06121607
T/S: 08/31/2016 03:06 PM DJOHNSON --
*****PLEASE ADD GARY ROBINSON
HOMES LLC TO THE CO NAME*****

STRUCTURE: 000 000 46X40 3 BR ATT GARAGE/PORCH BRICK STMWL
FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 3.00 PROPOSED USE : SFD
SEPTIC - EXISTING? : NEW WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	8/18/16	DT	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002858892
	8/18/16	AP	T/S: 08/17/2016 11:18 AM LBENNETT ----- T/S: 08/18/2016 01:58 PM DETAYLOR -----
A814 01	8/31/16	SB	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002864262
	8/31/16	AP	401 BRUCE JOHNSON RD LILLINGTON 27546 T/S: 08/31/2016 09:11 AM SBENNETT -----
B103 01	8/31/16	DT	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002864254
	8/31/16	AP	T/S: 08/30/2016 10:17 AM JBROCK ----- T/S: 08/31/2016 01:35 PM DETAYLOR -----
P309 01	9/07/16	BS	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 002867364
	9/07/16	AP	T/S: 09/06/2016 01:20 PM JBROCK ----- T/S: September 07, 2016 12:06 PM BSUTTON ----- Make sure cleanout outside of foundation is a two way cleanout
B111 01	9/12/16	DT	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002869709
	9/12/16	AP	T/S: 09/09/2016 01:51 PM JBROCK ----- T/S: 09/12/2016 11:34 AM DETAYLOR -----
R425 01	10/12/16	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002883361
	10/12/16	DA	T/S: 10/11/2016 02:21 PM DJOHNSON ----- T/S: 10/12/2016 10:15 AM DETAYLOR ----- 1. Add anchor bolt to left wing wall 2. Install 8" posts under F4 and F5 trusses per plan 3. Install necessary blocking and nails wher LVL's are hangered to F5 truss 4. Rough measurements for stair winders and risers are not to code 5. Strap B2 and B3 trusses for uplift per docs 6. Al trusses with damaged bent bent bottom chords require engineer repair 7. Seal air barriers in front bedroom 8. Move attic receptacle/light switch from above access clearance 9. Need engineering where 3 consecutive double studs are bored for plumbing in upstairs spare bathroom Okay to side, do not insulate
R425 02	10/17/16	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002885564
	10/17/16	DA	T/S: 10/14/2016 02:29 PM LBENNETT ----- T/S: 10/17/2016 03:28 PM DETAYLOR -----

----- CONTINUED ONTO NEXT PAGE -----

ADDRESS : 401 BRUCE JOHNSON RD SUBDIV: JOHNSON FARMS 34 LOTS
TENANT, NBR: CALLED DUKE 8/26/16 LB
CONTRACTOR : GARY ROBINSON HOMES LLC PHONE : (910) 977-2562
OWNER : GARY ROBINSON HOMES LLC PHONE :
PARCEL : 11-0661- - -0100- -39-
APPL NUMBER: 16-50039061 CP NEW RESIDENTIAL (SFD)

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
			Trusses not repaired in accordance with repair letter. One 2x4 web has been replaced, no letter for repair provided. PREVIOUS VIOLATIONS 2,4, AND 8 WILL BE CORRECTED BY FINAL PER PATRICK
I129 01	10/19/16 10/19/16	DT DA	R*INSULATION INSPECTION TIME: 17:00 VRU #: 002886653 T/S: 10/18/2016 01:18 PM JBROCK ----- T/S: 10/19/2016 01:17 PM DETAYLOR ----- Still do not have paperwork to support that no repairs are needed for damaged trusses or for the truss where a web has been replaced. Do not re-schedule inspection until paperwork is obtained or re-inspection fees will be applied
R425 03	10/19/16 10/19/16	DT DA	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002886646 T/S: 10/18/2016 01:18 PM JBROCK ----- T/S: 10/19/2016 01:17 PM DETAYLOR ----- Still do not have paperwork to support that no repairs are needed for damaged trusses or for the truss where a web has been replaced. Do not re-schedule inspection until paperwork is obtained or re-inspection fees will be applied
I129 02	10/21/16 <u>10/21/16</u>	TI <u>DT</u>	R*INSULATION INSPECTION TIME: 17:00 VRU #: 002887479 T/S: 10/20/2016 08:16 AM JFORBES -----
R425 04	10/21/16 <u>10/21/16</u>	TI <u>DT</u>	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002887487 T/S: 10/20/2016 08:16 AM JFORBES -----

----- COMMENTS AND NOTES -----

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: J0416-2145

Lot 39 Johnson Farms

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Comtech, Inc - Fayetteville.

Pages or sheets covered by this seal: E9943070 thru E9943070

My license renewal date for the state of North Carolina is December 31, 2016.

North Carolina COA: C-0844

Lumber design values are in accordance with ANSI/TPI 1 section 6.3
These truss designs rely on lumber values established by others.



October 19, 2016

Lassiter, Frank

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdictions(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to Trenco. Any project specific information included is for Trenco's customer's file reference purpose only, and was not taken into account in the preparation of these designs. Trenco has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of the design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

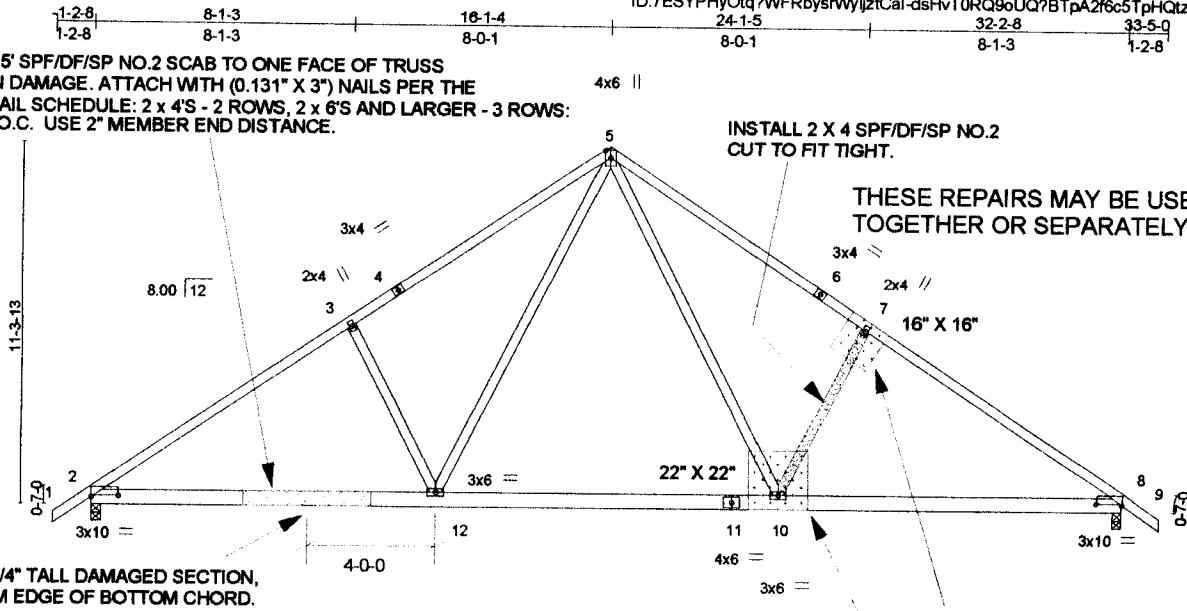
Job J0416-2145	Truss A1	Truss Type COMMON TRUSS	Qty 4	Ply 1	Lot 39 Johnson Farms	E9943070
-------------------	-------------	----------------------------	----------	----------	----------------------	----------

Comtech, Inc., Fayetteville, NC 28309

8.010 s Apr 20 2016 MiTek Industries, Inc. Wed Oct 19 08:41:43 2016 Page 1
ID:7ESYPHyQtq?WFRbysrWyljztCal-dshvTORQ9oUQ?BTpA2f6c5TpHQzrhpoTfwAMyRv5c

APPLY 2 X 6 X 5' SPF/DF/SP NO.2 SCAB TO ONE FACE OF TRUSS CENTERED ON DAMAGE. ATTACH WITH (0.131" X 3") NAILS PER THE FOLLOWING NAIL SCHEDULE: 2 x 4'S - 2 ROWS, 2 x 6'S AND LARGER - 3 ROWS: SPACED @ 3" O.C. USE 2" MEMBER END DISTANCE.

Scale = 1:71.8



4" WIDE X 1/4" TALL DAMAGED SECTION, ON BOTTOM EDGE OF BOTTOM CHORD.

INSTALL 2 X 4 SPF/DF/SP NO.2 CUT TO FIT TIGHT.

THESE REPAIRS MAY BE USED TOGETHER OR SEPARATELY AS NEEDED

ATTACH 1/2" PLYWOOD OR OSB GUSSET (15/32" RATED SHEATHING 24/16 EXP 1) TO EACH FACE OF TRUSS WITH (0.131" X 2.5" MIN.) NAILS PER THE FOLLOWING NAIL SCHEDULE: 2 X 3'S - 2 ROWS, 2 X 4'S - 3 ROWS, 2 X 6'S AND LARGER - 4 ROWS: SPACED @ 4" O.C. NAILS TO BE DRIVEN FROM BOTH FACES. STAGGER SPACING FROM FRONT TO BACK FACE FOR A NET 2" O.C. SPACING IN EACH COVERED TRUSS MEMBER. USE 2" MEMBER END DISTANCE.

Plate Offsets (X,Y)--	10-9-3 10-9-3	21-5-5 10-8-2	32-2-8 10-9-3
-----------------------	------------------	------------------	------------------

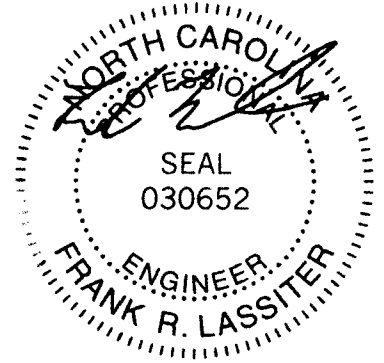
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.92	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.52	Vert(LL) -0.26 10-12 >999 360		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.48	Vert(TL) -0.38 10-12 >999 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Horz(TL) 0.05 8 n/a n/a		
	Code IRC2009/TP12007		Wind(LL) 0.06 2-12 >999 240	Weight: 190 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (lb/size) 2=1571/0-3-8, 8=1571/0-3-8
Max Horz 2=-302(LC 4)
Max Uplift 2=-146(LC 6), 8=-146(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2257/362, 3-5=-2040/456, 5-7=-2040/456, 7-8=-2257/362
BOT CHORD 2-12=-143/1747, 10-12=0/1168, 8-10=-137/1747
WEBS 5-10=-169/944, 7-10=-406/287, 5-12=-169/944, 3-12=-406/287

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCCL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas with a clearance greater than 6-0-0 between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=146, 8=146.

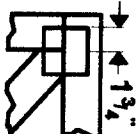


October 19, 2016

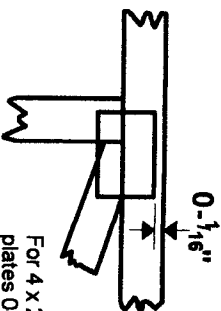
<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.</p>	<p>ENGINEERING BY TRENCO A MITEK AFFILIATE 818 Soundside Road Edenton, NC 27932</p>
---	--

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MITek 2020 software or upon request.

PLATE SIZE

4 X 4

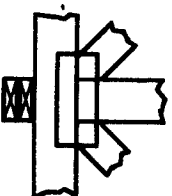
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING



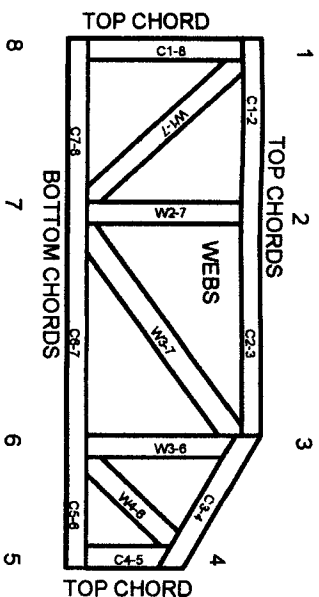
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TP1 section 6.3 These truss designs rely on lumber values established by others.

© 2012 MITek® All Rights Reserved

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T or I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 Quality Criteria.



MITek Engineering Reference Sheet: MIL-7473 rev. 10/03/2015



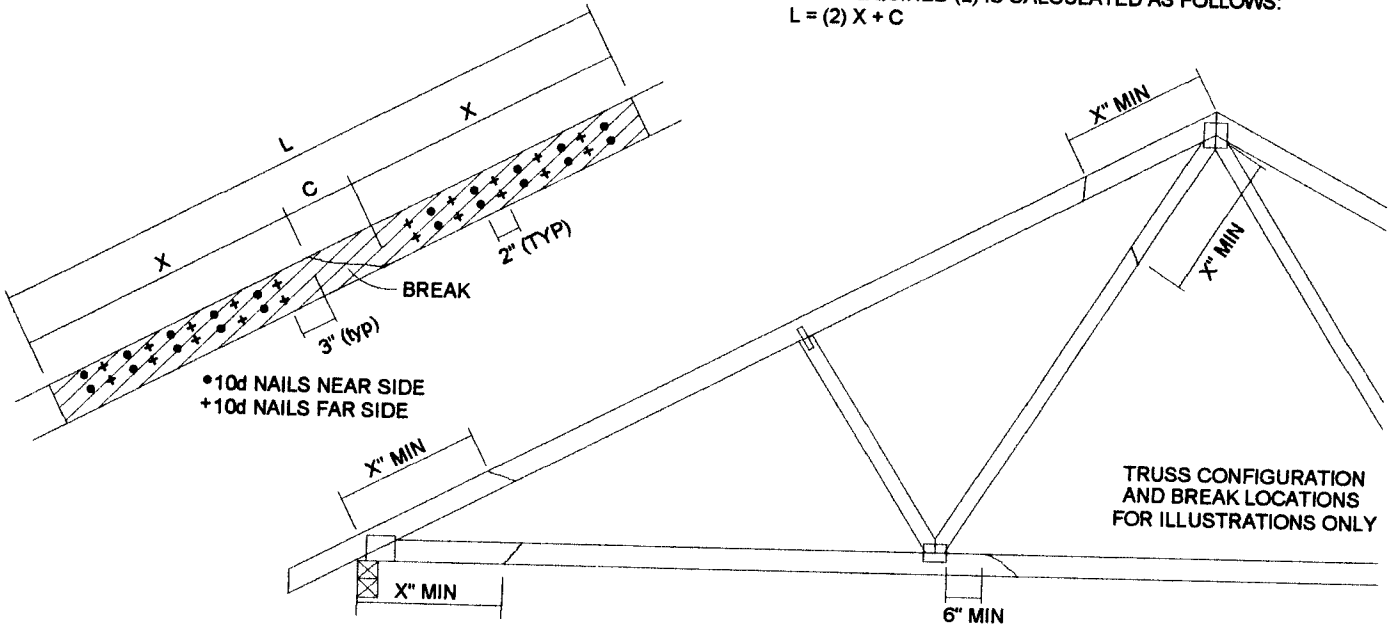
TOTAL NUMBER OF NAILS EACH SIDE OF BREAK *		X INCHES	MAXIMUM FORCE (lbs) 15% LOAD DURATION							
			SP		DF		SPF		HF	
2x4	2x6		2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6
20	30	24"	1706	2559	1561	2342	1320	1980	1352	2028
26	39	30"	2194	3291	2007	3011	1697	2546	1738	2608
32	48	36"	2681	4022	2454	3681	2074	3111	2125	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:

$$L = (2) X + C$$

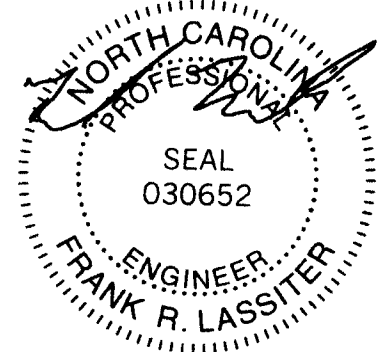


THE LOCATION OF THE BREAK MUST BE GREATER THAN OR EQUAL TO THE REQUIRED X DIMENSION FROM ANY PERIMETER BREAK OR HEEL JOINT AND A MINIMUM OF 6" FROM ANY INTERIOR JOINT (SEE SKETCH ABOVE)

DO NOT USE REPAIR FOR JOINT SPLICES

NOTES:

- 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 APPLYING 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 MIT-7473 rev. 1/29/2014 BEFORE USE
 Design valid for use only with Mitek 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 truss designer. Bracing 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 ANSI/TPI1 Quality Criteria, D38-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.
 If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC



818 Soundside Road
 Edenton, NC 27932