ADDRESS . : 214 SADDLE LN SUBDIV: JOHNSON FARMS 34 LOTS
CONTRACTOR : SIGNATURE HOME BUILDERS PHONE : (910) 892-9299
OWNER . . : INVESTMENT CHOICES LLC PHONE :
PARCEL . . : 11-0661- - -0100- -14-
APPL NUMBER: 17-50041008 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 03/22/2017 03:41 PM DJOHNSON --
JOHNSON FARMS LOT 14
*******PREMISE NO 26719840*******
T/S: 03/24/2017 09:08 AM DJOHNSON --

STRUCTURE: 000 000 50X32 4 BR ATT GARAGE DECK
FLOOD ZONE . . . . : FLOOD ZONE X
BEDROOMS . . . . . : 4.00 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	5/08/17	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 002968808
	5/08/17	AP	T/S: 05/08/2017 12:48 PM DETAYLOR
B103 01	5/16/17	BS	R*BLDG FOUND & TEMP SVC POLE VRU #: 002972495
	5/16/17	AP	Please inspect T-pole also.
			T/S: May 16, 2017 08:42 AM BSUTTON
			called in tpole
B105 01	5/25/17	BS	R*OPEN FLOOR VRU #: 002976462
	5/25/17	DA	T/S: May 25, 2017 01:27 PM BSUTTON
			Plan calls for triple girders
A814 01	5/30/17	SB	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002977593
	5/26/17	AP	214 SADDLE LN LILLINGTON 27546
			T/S: 05/26/2017 11:15 AM SBENNETT
B105 02	5/30/17	BS	R*OPEN FLOOR TIME: 17:00 VRU #: 002977601
	5/30/17	AP	T/S: 05/26/2017 08:11 AM LBENNETT
			T/S: May 30, 2017 08:36 AM BSUTTON
B104 01	6/08/17	LB	R*FOUND & SETBACK VERIF SURVEY TIME: 17:00 VRU #: 002982510
	6/08/17	AP	T/S: 06/08/2017 10:40 AM LBENNETT
			T/S: 06/08/2017 10:40 AM LBENNETT
R425 01	6/20/17	TI	FOUR TRADE ROUGH IN VRU #: 002986503

6/20/17 DA DT

COMMENTS AND NOTES

ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: J0417-1872
Lot 14 Johnson Farms

Floor Truss Report Letter

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: E10656026 thru E10656026

My license renewal date for the state of North Carolina is December 31, 2017.

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.

June 19,2017

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	Truss	Truss Type	Qty	Ply	Lot 14 Johnson Farms	E10656026
J0417-1872	F04	Floor	3	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309 — 8.030 s Jan 23 2017 MiTek Industries, Inc. Mon Jun 19 09:20:39 2017 Page 1

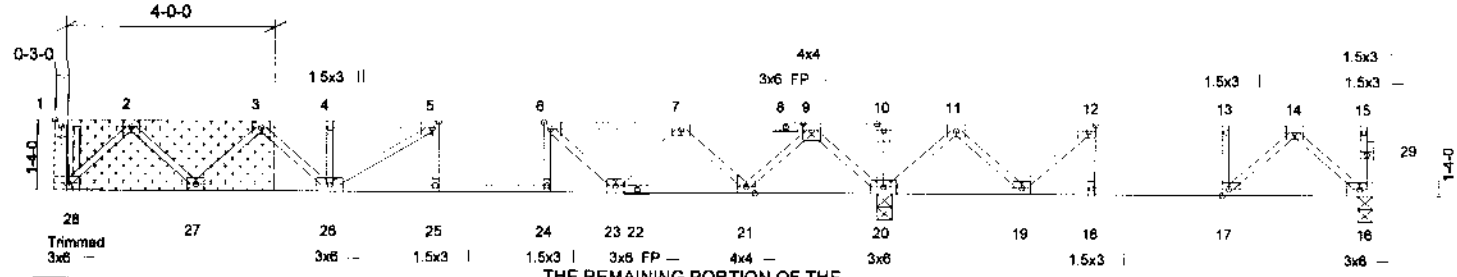
ID:GkNARKr7gHkmb3G?MseBAQzy7GQ-jazD_BcXuZ5?yVtZJDU1A2K3wqI9dlBTR8yxyUz4m96

1-3-0 | 1-10-8 | 2-0-0 | 2-5-0 | 0-1$_1$8

Scale = 1.42.2

REPAIR: STUB TRUSS
AS SHOWN.

LUMBER AND CONNECTOR PLATES (SHOWN DASHED) TO BE CUT CLEANLY AND ACCURATELY AND THE REMAINING PLATE(S) MUST BE FULLY EMBEDDED AND UNDISTURBED.



INSTALL DOUBLE 4X2 SPF/DF/SP NO.2 BLOCKING AS SHOWN.

THE REMAINING PORTION OF THE PLATES AT JOINT 28 MUST BE FULLY EMBEDDED AND UNDISTURBED. IF THESE CONDITIONS ARE NOT MET THIS REPAIR IS VOID.

ATTACH 3/4" PLYWOOD OR OSB GUSSET (23/32" RATED SHEATHING 48/24 EXP 1) TO EACH SIDE OF TRUSS WITH CONSTRUCTION QUALITY ADHESIVE AND ONE ROW OF (0.131" X 2.5") NAILS SPACED 3" O.C. FROM EACH FACE INTO EACH COVERED TRUSS MEMBER. GUSSET MAY BE TRIMMED AROUND HANGER

6-9-0	8-0-12	15-10-8	15-10-12	25-2-0
6-9-0	1-3-12	7-9-12	0-0-4	9-3-4

Plate Offsets (X,Y)— [1:Edge,0-1-8], [5:0-1-8,Edge], [6:0-1-8,Edge], [12:0-1-8,Edge], [17:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.56	Vert(LL)	-0.18	25-26	>999	480	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.90	Vert(TL)	-0.27	25-26	>696	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.04	16	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		Matrix-S							Weight: 130 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.1(flat)
BOT CHORD	2x4 SP No.1(flat)
WEBS	2x4 SP No.3(flat)

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

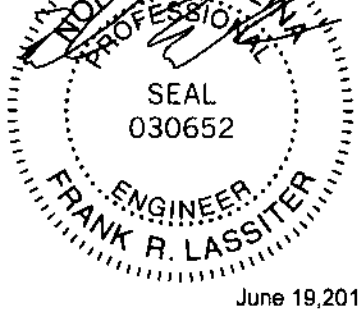
REACTIONS. (lb/size) 28=787/Mechanical, 20=1587/0-3-8, 16=361/0-3-8
Max Grav 28=813(LC 7), 20=1587(LC 1), 16=421(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD	2-3=-1421/0, 3-4=-2297/0, 4-5=-2297/0, 5-6=-2430/0, 6-7=-1987/0, 7-9=-963/62, 9-10=0/1119, 10-11=0/1119, 11-12=-339/302, 12-13=-654/63, 13-14=-654/63
BOT CHORD	27-28=0/869, 26-27=0/1949, 25-26=0/2430, 24-25=0/2430, 23-24=0/2430, 21-23=0/1599, 20-21=-282/299, 19-20=-498/20, 18-19=-63/654, 17-18=-63/654, 16-17=0/404
WEBS	9-20=-1344/0, 9-21=0/971, 7-21=-928/0, 7-23=0/597, 6-23=-753/0, 2-28=-1156/0, 2-27=0/768, 3-27=-735/0, 3-26=0/473, 5-26=-347/183, 11-20=-848/0, 11-19=0/553, 12-19=-606/0, 14-16=-533/0, 14-17=-108/341

NOTES-

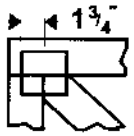
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Plates checked for a plus or minus 1 degree rotation about its center.
4) Refer to girder(s) for truss to truss connections.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.



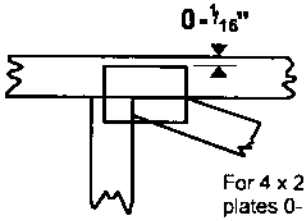
June 19,2017

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- 1/16" from outside edge of truss.

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

*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

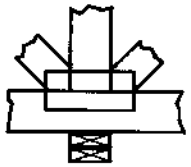
4 x 4

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

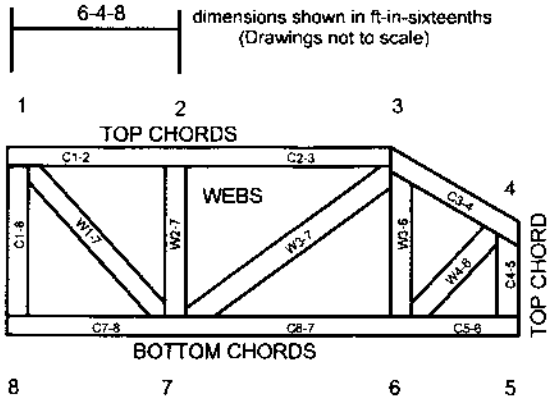


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: 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



JOINTS ARE GENERALLY NUMBERED/LETTERED 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/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

MiTek®

ENGINEERING BY TRENCO
A MiTek Affiliate

⚠ 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/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
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/TPI 1 Quality Criteria.

MARCH 12, 2007

STANDARD REPAIR TO TRIM OR REMOVE END VERTICAL

ED-REP05

ENGINEERED BY TRENCO
A MiTek Affiliate

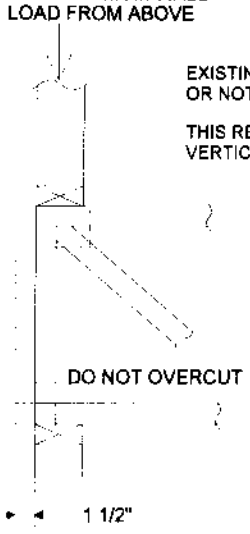
Trenco, Edenton, North Carolina

1. THIS IS A SPECIFIC REPAIR DETAIL TO BE USED ONLY FOR ITS ORIGINAL INTENTION. 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.
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLYING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
3. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID SPLITTING OF THE WOOD.
4. LUMBER MUST BE CUT CLEANLY AND ACCURATELY AND THE REMAINING WOOD MUST BE UNDAMAGED.
5. THIS REPAIR SHALL BE USED FOR SINGLE PLY TRUSSES IN THE 4X2 ORIENTATION ONLY.
6. CONNECTOR PLATES MUST BE FULLY IMBEDDED AND UNDISTURBED.

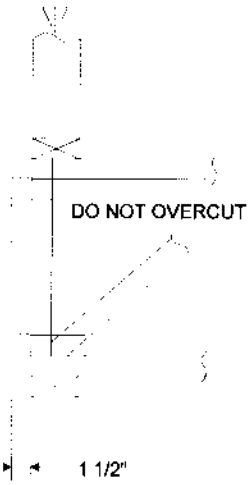
500# MAXIMUM WALL LOAD FROM ABOVE

EXISTING END VERTICAL MAY BE FULL DEPTH OR NOTCHED FOR RIBBON BOARD.

THIS REPAIR MAY REMOVE ENTIRE END VERTICAL OR NOTCH IT FOR A RIBBON BOARD.



500# MAXIMUM WALL LOAD FROM ABOVE



REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES

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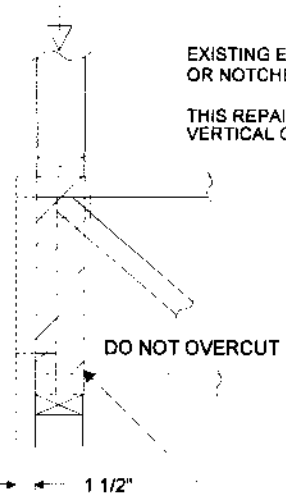

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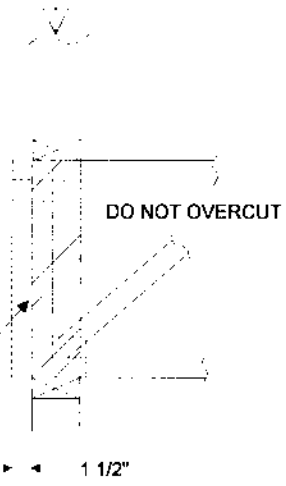
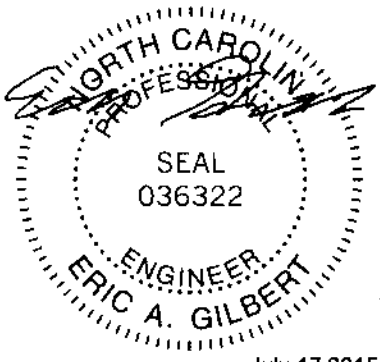


REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES

ATTACH 2x4 SQUASH BLOCK (CUT TO FIT TIGHTLY) TO BOTH SIDES OF THE TRUSS AS SHOWN WITH 10d NAILS (.131" DIA. X 3") SPACED 3" O.C.



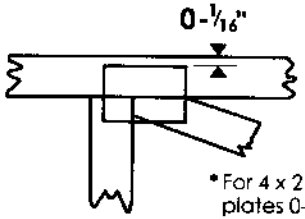
July 17,2015

ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

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.



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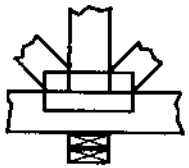

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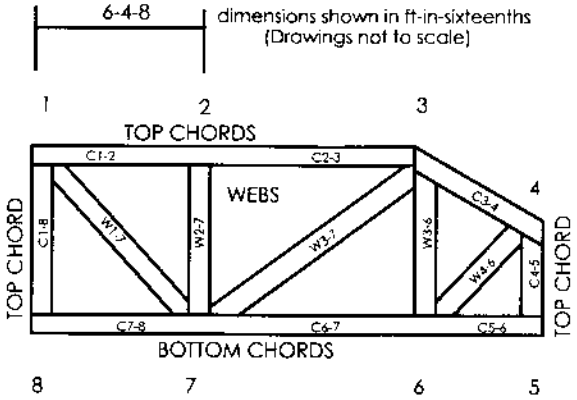

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PRODUCT CODE APPROVALS

ICC-ES Reports:

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

Southern Pine lumber designations are as follows:

SYP represents values as published by AWC in the 2005/2012 NDS
SP represents ALSC approved/new values with effective date of June 1, 2013

MiTek

ENGINEERING BY TRENCO
A MiTek Affiliate

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