ADDRESS . : 43 TACTICAL DR SUBDIV: GWEN OAKS 63 LOTS
CONTRACTOR : GARY ROBINSON HOMES LLC PHONE : (910) 977-2562
OWNER . . : PARADISE HOMES PHONE :
PARCEL . . : 01-0547- - -0024- -03-
APPL NUMBER: 12-50029408 CP NEW RESIDENTIAL (SFD)

DIRECTIONS : T/S: 08/12/2012 06:36 PM VBROWN ----
TACTICAL DRIVE, GWEN OAKS SUB DIV #3.
210S, LEFT INTO GWEN OAKS SUB DIV.

STRUCTURE: 000 000 46X50 4BDR 2.5 SFD W GAR CRAWL
FLOOD ZONE . . . . : FLOOD ZONE X
BEDROOMS . . . . . : 4.00 PROPOSED USE . . . . . : SFD
SEPTIC - EXISTING? . . . . : NEW TANK WATER SUPPLY . . . . . : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED / COMPLETED	INSP / RESULT	DESCRIPTION / RESULTS/COMMENTS
B101 01	9/26/12	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 002283273
	9/26/12	DA	Remove all of stump in footing on garage back wall--------
B101 02	9/27/12	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 002283772
	9/27/12	AP	----------
A814 01	10/09/12	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002288348
	10/10/12	AP	43 TACTICAL DR LOT 3 BUNNLEVEL 28323---------
			T/S: 10/10/2012 04:24 PM TWARD ----------
B103 01	10/09/12	JH	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002288322
	10/09/12	AP	----------
B105 01	10/11/12	JH	R*OPEN FLOOR VRU #: 002289544
	10/11/12	AP	----------
R425 01	11/01/12	JH	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002298057
	11/01/12	DA	No plans on site ----------
R425 02	11/05/12	MR	FOUR TRADE ROUGH IN VRU #: 002298743
	11/05/12	DA	T/S: 11/05/2012 01:05 PM MREARIC ----------
			outlet needed left side of fireplace / large truss hanger over bedroom needs nails / no plumbing tests are ready
R425 03	11/06/12	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002299600
	11/07/12	DA	T/S: 11/05/2012 10:37 AM VBROWN ----------
			T/S: 11/07/2012 08:31 AM DETAYLOR ----------
			Need engineer repair for floor truss bored for plumbing
			Okay to side and insulate
I129 01	11/09/12 11/9/12	TI AP DT	R*INSULATION INSPECTION VRU #: 002301141
R425 04	11/09/12 11/9/12	TI AP DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002301414
			T/S: 11/08/2012 02:13 PM DJOHNSON ----------
			WHEN SCHEDULING AN INSULATION INSPECTION MAKE SURE THE ROUGH IN IS ALSO SCHEDULED IF IT FAILED AT ROUGH IN. OTHERWISE THE INSULATION WILL BE CANCELLED.

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

ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: J0712-4410
G.Robinson-Lot 3-Gwen Oaks/Harnett

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: E6625616 thru E6625616

My license renewal date for the state of North Carolina is December 31, 2012.

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.

November 8,2012

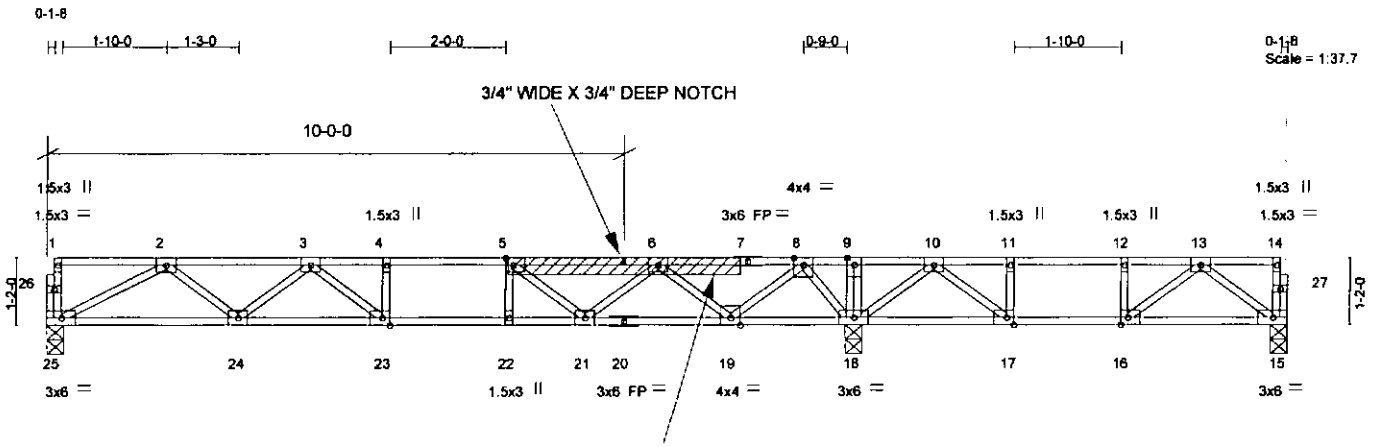
Gilbert, Eric

The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.
Engineering services provided by Truss Engineering Company.

Job	Truss	Truss Type	Qty	Ply	G.Robinson-Lot 3-Gwen Oaks/Harnett	E6625616
J0712-4410	F2	Floor Truss	6	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309 — 7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Nov 08 09:48:22 2012 Page 1

ID:eHE7Va1eLKpHBasHUw98qQzivZI-oX2nnJIKzCkyLpGcDxQWTv7GykfdeewvMybkpayLIF7



APPLY 2X4 X 4' - 0" SPF NO.2 SCAB TO ONE SIDE OF TRUSS, CENTERED ON NOTCH, WITH CONSTRUCTION QUALITY ADHESIVE AND 1 ROW OF 10d (3" X 0.131") NAILS SPACED 3.0" O.C.

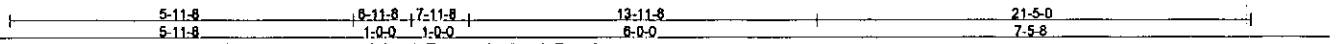


Plate Offsets (X,Y): [5:0-1-8,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge], [23:0-1-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plates Increase	1.00	TC	0.38	Vert(LL)	-0.12	23-24	>999	480	MT20	244/190
TCDL	10.0	Lumber Increase	1.00	BC	0.54	Vert(TL)	-0.18	23-24	>924	360		
BCLL	0.0	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.03	15	n/a	n/a		
BCDL	5.0	Code IRC2009/TPI2007		(Matrix)							Weight: 107 lb	FT = 20%F, 11%E

LUMBER
TOP CHORD 4 X 2 SYP No.1
BOT CHORD 4 X 2 SYP No.1
WEBS 4 X 2 SP No.3

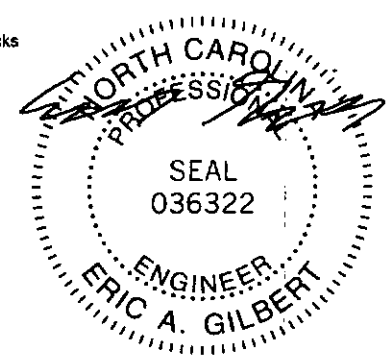
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 25=691/0-3-8 (min. 0-1-8), 15=275/0-3-8 (min. 0-1-8), 18=1349/0-3-8 (min. 0-1-8)
Max Uplift15=-2(LC 2)
Max Grav25=702(LC 7), 15=354(LC 3), 18=1349(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 25-26=-72/0, 1-26=-72/0, 15-27=-51/1, 14-27=-51/1, 1-2=-4/0, 2-3=-1609/0, 3-4=-2147/0, 4-5=-2147/0, 5-6=-1753/0, 6-7=-697/0, 7-8=-697/0, 8-9=0/926, 9-10=0/927, 10-11=-532/198, 11-12=-532/198, 12-13=-532/198, 13-14=-3/0
BOT CHORD 24-25=0/1165, 23-24=0/2005, 22-23=0/2147, 21-22=0/2147, 20-21=0/1378, 19-20=0/1378, 18-19=-252/0, 17-18=-515/190, 16-17=-198/532, 15-16=-35/379
WEBS 4-23=-172/0, 5-22=-41/141, 9-18=-125/0, 3-23=-49/374, 3-24=-515/0, 2-24=0/578, 2-25=-1315/0, 5-21=-596/0, 6-21=0/523, 6-19=-913/0, 8-19=0/959, 8-18=-1048/0, 13-15=-472/44, 10-18=-725/0, 13-16=-208/195, 12-16=-118/98, 10-17=0/661, 11-17=-322/0

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2 lb uplift at joint 15.
5) "Semi-rigid pitchbreaks including heels" Member and fixity model was used in the analysis and design of this truss.
6) 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.
7) CAUTION, Do not erect truss backwards.

LOAD CASE(S) Standard



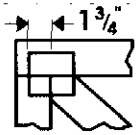
November 8,2012

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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, DSB-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 or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.

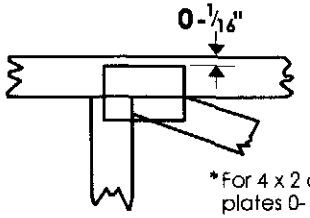
ENGINEERING BY
TRENCO
A MiTek Affiliate
816 Soundside Road
Edenton, NC 27932

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.



*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.**

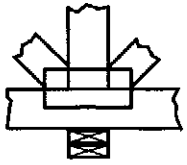
PLATE SIZE

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

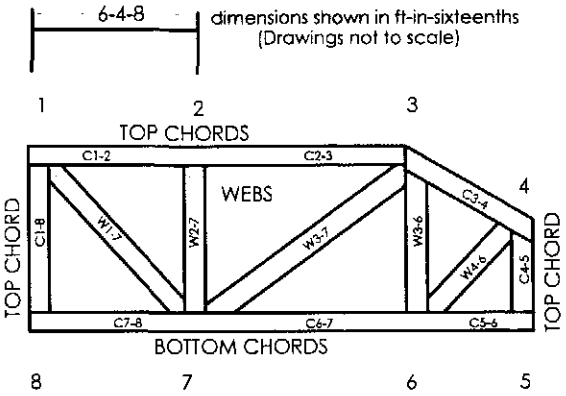


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

Southern Pine lumber designations are as follows:

SYP represents current/old values as published by AWC in the 2005/2012 NDS
SPp represents SPIB proposed values as provided in SPIB submittal to ALSC dated Sept 15, 2011
SP represents ALSC approved/new values with effective date of June 1, 2012 (2x4 No 2 and lower grades and smaller sizes), and all MSR/MEL grades

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.