

ADDRESS : 292 SONORA DR SUBDIV: WOODSHIRE PH 5
 CONTRACTOR : DUSTIN BLACKWELL, INC PHONE : (919) 606-4696
 OWNER : WOODSHIRE PARTNERS LLC #223 PHONE :
 PARCEL : 01-0536-06- -0028- -63-
 APPL NUMBER: 08-50019309 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : WOODSHIRE #223
 HWY 27W TO NURSERY RD, LEMUJEL BLACK RD,
 SUB DIV ON LEFT.
 T/S: 01/28/2008 11:51 AM VBROWN ----

STRUCTURE: 000 000 60X45 3BDR 2.5BATH SFD,GAR,DECK, CRAWL
 FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 3.00 PROPOSED USE : SFD
 SEPTIC - EXISTING? : NEW WATER SUPPLY : UNKNOWN

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	2/20/09 <u>2/20/09</u>	TI <u>APDT</u>	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001736289

COMMENTS AND NOTES

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	2/20/09	AP	T-pole passed.
A814 01	2/24/09	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001737279
	2/24/09	AP	292 SONORA DR LOT 223
B103 01	2/25/09	TI	R*BLDG FOUND & TEMP SVC POLE VRU #: 001737287

2/25/09 AR DT

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B103 01	2/25/09	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 001737287
	2/25/09	AP	
B105 01	3/04/09	TI	R*OPEN FLOOR VRU #: 001739986
	<u>3/4/09</u>	<u>AP DT</u>	

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	2/25/09	AP	
B105 01	3/04/09	DT	R*OPEN FLOOR VRU #: 001739986
	3/04/09	AP	
R427 01	3/18/09	TI	FOUR TRADE ROUGH IN >2500 VRU #: 001744283
	<i>3-18-09</i>	<i>AA JH</i>	<i>A1 & A2 Truss are reversed need letter for repair</i>

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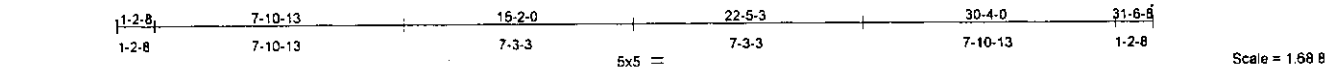
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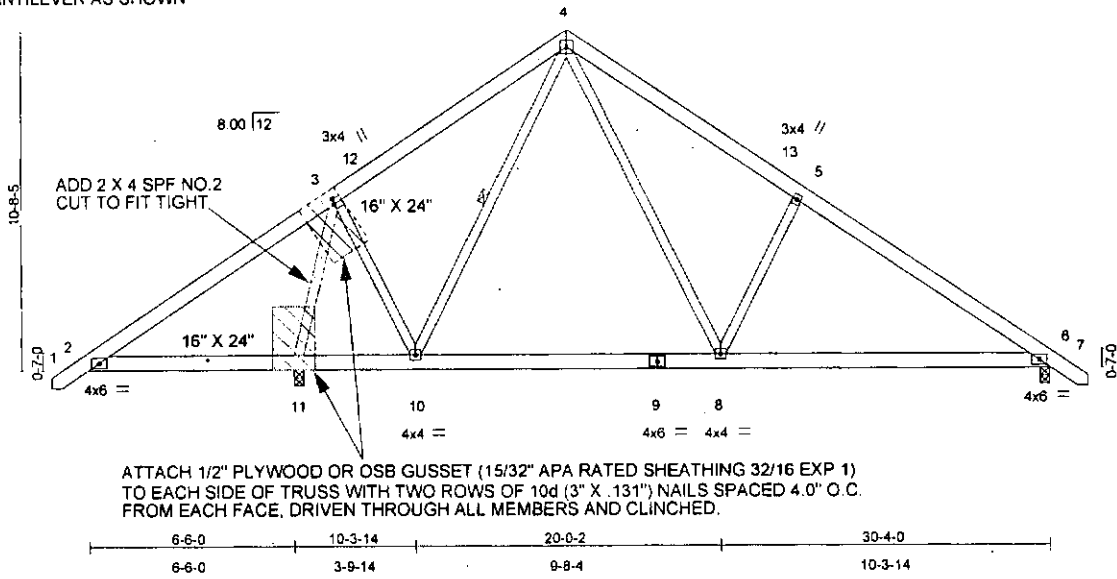
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AB14 01	2/24/09	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001737279
	2/24/09	AP	292 SONORA DR LOT 223
B103 01	2/25/09	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 001737287
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	3/04/09	AP	
R427 01	3/18/09	JH	FOUR TRADE ROUGH IN >2500 VRU #: 001744283
	3/18/09	DA	A1 & A2 truss are reversed need letter for repair
I129 01	3/20/09	TI	R*INSULATION INSPECTION VRU #: 001745330
	<u>3/20/09</u>	<u>AP DT</u>	
R427 02	3/20/09	TI	FOUR TRADE ROUGH IN >2500 TIME: 17:00 VRU #: 001745694
	<u>3/20/09</u>	<u>AP DT</u>	

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

Job	Truss	Truss Type	Qty	Ply	Blackwell Homes / Lot 223 Woodshire	ES229887
J90483	A1	FINK	9	1	Job Reference (optional)	
Comtech, Inc., Fayetteville, NC 28309					7.060 e Jan 22 2009 MiTek Industries, Inc. Wed Mar 18 16:00:43 2009 Page 1	



ADD CANTILEVER AS SHOWN



ATTACH 1/2" PLYWOOD OR OSB GUSSET (15/32" APA RATED SHEATHING 32/16 EXP 1) TO EACH SIDE OF TRUSS WITH TWO ROWS OF 10d (3" X .131") NAILS SPACED 4.0" O.C. FROM EACH FACE, DRIVEN THROUGH ALL MEMBERS AND CLINCHED.

Plate Offsets (X,Y): [3,0-2,2,0-0-5]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.15	TC 0.26	Vert(LL)	-0.12	8-10	>999	MT20	197/144
TCDL 10.0	Lumber Increase	1.15	BC 0.41	Vert(TL)	-0.19	8-10	>999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.87	Horz(TL)	0.02	6	n/a		
BCDL 10.0	Code	IRC2003/TPI2002	(Matrix)						
									Weight: 218 lb

LUMBER

TOP CHORD 2 X 6 SYP No.1
 BOT CHORD 2 X 6 SYP No.1
 WEBS 2 X 4 SYP No.3 "Except"
 3-11: 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 4-10

REACTIONS

(lb/size) 8=1065/0-3-8, 11=1871/0-3-8
 Max Horz 11=-358(LC 3)
 Max Uplift 6=-259(LC 6), 11=-392(LC 5)

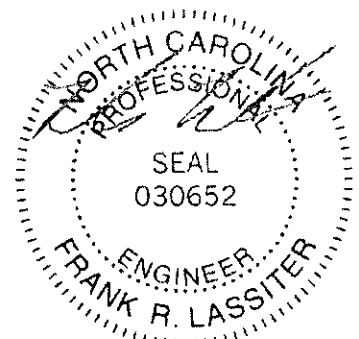
FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/32, 2-3=-238/678, 3-12=-532/166, 4-12=-498/211, 4-13=-1075/347, 5-13=-1202/303, 5-6=-1405/251, 6-7=0/33
 BOT CHORD 2-11=-443/336, 10-11=-215/307, 9-10=-27/520, 8-9=-27/520, 6-8=-24/1060
 WEBS 3-10=-11/856, 4-10=-433/82, 4-8=-210/884, 5-8=-398/310, 3-11=-1830/388

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone 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 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 259 lb uplift at joint 6 and 392 lb uplift at joint 11.
- Following joints to be plated by qualified designer: Joint(s) 11, not plated.
- This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



March 18, 2009

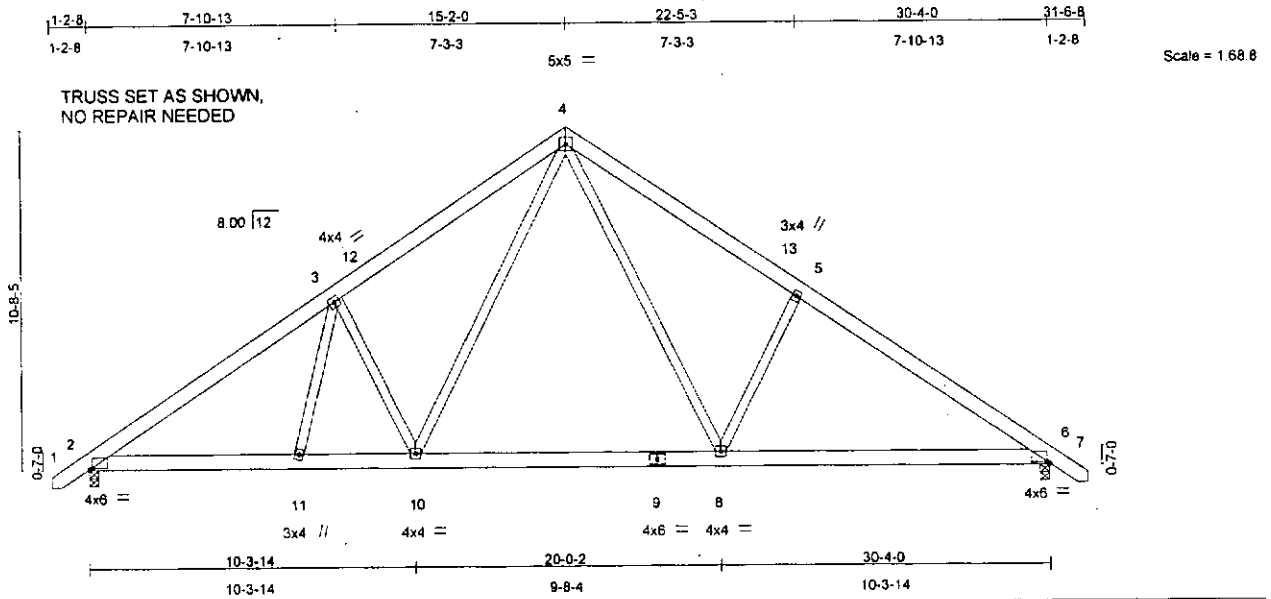
WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7478 rev. 10-08 BEFORE USE. Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and 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/TPI Quality Criteria, D58-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

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

Job	Truss	Truss Type	Qty	Ply	Blackwell Homes / Lot 223 Woodshire	E5229888
J90483	A2	FINK	1	1	Job Reference (optional)	

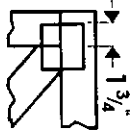
Comtech, Inc. Fayetteville, NC 28309

7.060 s Jan 22 2009 MITek Industries, Inc. Wed Mar 18 15:58 22 2009 Page 1

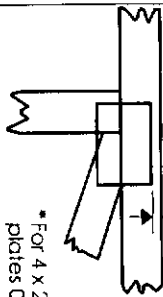


Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless X, Y offsets are indicated. Dimensions are in 1/16-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 MTEK 20/20 software or upon request.

PLATE SIZE

4 X 4

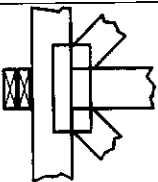
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

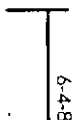


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

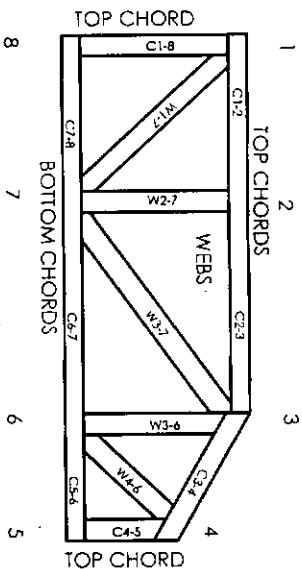
Industry Standards:

ANSI/TPI 1: 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



dimensions shown in 1/16-in-sixteenths (Drawings not to scale)



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, ER-5243, 96048
9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

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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, L, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stock 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 warps 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.



POWER TO PERFORM.
ENGINEERING BY
TRENCO
A MITT COMPANY

Mittek Engineering Reference Sheet: MIT-7473 rev. 10-08

Trenco

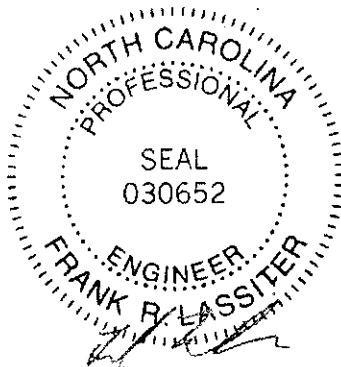
818 Soundside Rd
Edenton, NC 27932

Re: J90483
Blackwell Homes / Lot 223 Woodshire

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: E5229887 thru E5229888

My license renewal date for the state of North Carolina is December 31, 2009.



March 18, 2009

Lassiter, Frank

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-2002 Chapter 2.
Engineering services provided by Truss Engineering Company.

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	3/20/09	AP	
H824 01	3/23/09	JW	✓ ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001747153
	3/23/09	AP	
R431 01	4/21/09	TI	FOUR TRADE FINAL >2500 VRU #: 001757988

4/24/09 AP DT

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

**COUNTY OF HARNETT
DEPARTMENT OF BUILDING INSPECTION
AND PLANNING/DEVELOPMENT
CERTIFICATE OF OCCUPANCY**

This certificate issued pursuant to the requirements of ~~Section 105~~ of the North Carolina State Building Code and the Harnett County Zoning Ordinance certifies at the time of issuance this structure was in compliance with the various ordinances of the County of Harnett regulating development and building construction or use. For the following:

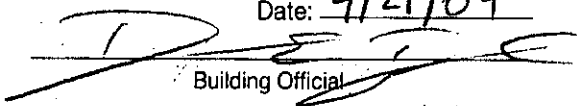
Use Classification: Residential

Owner: Dustin Blackwell Inc.

911 Address: 292 Sonora Dr.

State: NC Zip Code: _____

Date: 4/21/09


Building Official

PERMIT NUMBERS

Building Permit No.: _____

Electrical Permit No.: _____

Insulation Permit No.: _____

Plumbing Permit No.: _____

Mech. Permit No.: 08 _____

MFG. Home: _____

08-50019309