
ADDRESS . . : 43 EASTWOOD CT
 CONTRACTOR : DUSTIN BLACKWELL, INC
 OWNER . . . : WOODSHIRE PARTNERS LLC
 PARCEL . . . : 01-0536-06- -0028- -38-
 APPL NUMBER: 09-50022074 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : 43 EASTWOOD COURT, WOODSHIRE SUB DIV
 #198. 27W, LEFT ON NURSERY RD, LEFT ON
 LEMUAL BLACK RD, LEFT INTO WOODSHIRE
 SUB DIV, RIGHT ON SONORA, LEFT ON
 KEN SOMETHING, RIGHT ON BLUE SOMETHING,
 LEFT ON EASTWOOD.
 T/S: 05/12/2009 09:05 AM VBROWN -----

STRUCTURE: 000 000 60X54 4BDR 3BATH SFD WITH GAR, DECK, CRAWL
 FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 4.00
 SEPTIC - EXISTING? : NEW SEPTIC

PROPOSED USE : SFD
 WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED	INSP	DESCRIPTION
	COMPLETED	RESULT	RESULTS/COMMENTS
B101 01	5/27/09 <i>5/27/09</i>	TI <i>ARDI</i>	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001773126

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

ADDRESS . : 43 EASTWOOD CT SUBDIV: WOODSHIRE PH 5
CONTRACTOR : DUSTIN BLACKWELL, INC PHONE : (919) 606-4696
OWNER . . : WOODSHIRE PARTNERS LLC PHONE :
PARCEL . . : 01-0536-06- -0028- -38-
APPL NUMBER: 09-50022074 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : 43 EASTWOOD COURT, WOODSHIRE SUB DIV
#198. 27W, LEFT ON NURSERY RD, LEFT ON
LEMUAL BLACK RD, LEFT INTO WOODSHIRE
SUB DIV, RIGHT ON SONORA, LEFT ON
KEN SOMETHING, RIGHT ON BLUE SOMETHING,
LEFT ON EASTWOOD.
T/S: 05/12/2009 09:05 AM VBROWN -----

STRUCTURE: 000 000 60X54 4BDR 3BATH SFD WITH GAR, DECK, CRAWL

FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 4.00 PROPOSED USE : SFD
SEPTIC - EXISTING? : NEW SEPTIC WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	5/27/09	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001773126
A814 01	5/27/09	AP	
	5/29/09	TI	ADDRESS CONFIRMATION VRU #: 001774272
B103 01	5/29/09	TI	R*BLDG FOUND & TEMP SVC POLE VRU #: 001774298
	<u>5/29/09</u>	<u>TI</u>	
		<u>HP DT</u>	

COMMENTS AND NOTES

ADDRESS . . : 43 EASTWOOD CT SUBDIV: WOODSHIRE PH 5
 CONTRACTOR : DUSTIN BLACKWELL, INC PHONE : (919) 606-4696
 OWNER . . : WOODSHIRE PARTNERS LLC PHONE :
 PARCEL . . : 01-0536-06- -0028- -38-
 APPL NUMBER: 09-50022074 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : 43 EASTWOOD COURT, WOODSHIRE SUB DIV
 #198. 27W, LEFT ON NURSERY RD, LEFT ON
 LEMUAL BLACK RD, LEFT INTO WOODSHIRE
 SUB DIV, RIGHT ON SONORA, LEFT ON
 KEN SOMETHING, RIGHT ON BLUE SOMETHING,
 LEFT ON EASTWOOD.
 T/S: 05/12/2009 09:05 AM VBROWN -----

STRUCTURE: 000 000 60X54 4BDR 3BATH SFD WITH GAR, DECK, CRAWL

FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 4.00 PROPOSED USE : SFD
 SEPTIC - EXISTING? : NEW SEPTIC WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	5/27/09	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001773126
	5/27/09	AP	
A814 01	5/29/09	TI	ADDRESS CONFIRMATION VRU #: 001774272
B103 01	5/29/09	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 001774298
	5/29/09	AP	
B105 01	6/01/09	TI	R*OPEN FLOOR VRU #: 001775287
	<u>6/1/09</u>	<u>AS DT</u>	

COMMENTS AND NOTES -----

ADDRESS : 43 EASTWOOD CT
CONTRACTOR : DUSTIN BLACKWELL, INC
OWNER : WOODSHIRE PARTNERS LLC
PARCEL : 01-0536-06- -0028- -38-
APPL NUMBER: 09-50022074 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : 43 EASTWOOD COURT, WOODSHIRE SUB DIV #198. 27W, LEFT ON NURSERY RD, LEFT ON LEMUAL BLACK RD, LEFT INTO WOODSHIRE SUB DIV, RIGHT ON SONORA, LEFT ON KEN SOMETHING, RIGHT ON BLUE SOMETHING, LEFT ON EASTWOOD.
T/S: 05/12/2009 09:05 AM VBROWN ----

SUBDIV: WOODSHIRE PH 5
PHONE : (919) 606-4696
PHONE :

STRUCTURE: 000 000 60X54 4BDR 3BATH SFD WITH GAR, DECK, CRAWL

FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 4.00
SEPTIC - EXISTING? : NEW SEPTIC
PROPOSED USE : SFD
WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	5/27/09	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001773126
	5/27/09	AP	
B103 01	5/29/09	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 001774298
	5/29/09	AP	
A814 01	5/29/09	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001774272
	6/02/09	AP	43 eastwood ct lot 198 43 EASTWOOD CT LOT 198 LILLINGTON 27546
B105 01	6/01/09	DT	R*OPEN FLOOR VRU #: 001775287
	6/01/09	AP	
R427 01	6/15/09	TI	FOUR TRADE ROUGH IN >2500 VRU #: 001781432
	<u>6/15/09</u>	<u>DA DT</u>	

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

ADDRESS . . : 43 EASTWOOD CT
 CONTRACTOR : DUSTIN BLACKWELL, INC
 OWNER . . . : WOODSHIRE PARTNERS LLC
 PARCEL . . . : 01-0536-06- -0028- -38-
 APPL NUMBER: 09-50022074 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : 43 EASTWOOD COURT, WOODSHIRE SUB DIV
 #198. 27W, LEFT ON NURSERY RD, LEFT ON
 LEMUAL BLACK RD, LEFT INTO WOODSHIRE
 SUB DIV, RIGHT ON SONORA, LEFT ON
 KEN SOMETHING, RIGHT ON BLUE SOMETHING,
 LEFT ON EASTWOOD.
 T/S: 05/12/2009 09:05 AM VBROWN -----

STRUCTURE: 000 000 60X54 4BDR 3BATH SFD WITH GAR, DECK, CRAWL
 FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 4.00
 SEPTIC - EXISTING? : NEW SEPTIC

PROPOSED USE : SFD
 WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	5/27/09	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001773126
	5/27/09	AP	
B103 01	5/29/09	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 001774298
	5/29/09	AP	
A814 01	5/29/09	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001774272
	6/02/09	AP	43 eastwood ct lot 198 43 EASTWOOD CT LOT 198 LILLINGTON 27546
B105 01	6/01/09	DT	R*OPEN FLOOR VRU #: 001775287
	6/01/09	AP	
R427 01	6/15/09	DT	FOUR TRADE ROUGH IN >2500 VRU #: 001781432
	6/15/09	DA	1. Need engineered letter for cut trusses. 2. Trusses not strapped properly. 3. Plumbing ceiling in garage and wall behind fire box must be fire blocked. 4. Master tub must be completely rodent proofed. 5. Need 4 jack studs under both sides of lvl's in garage. Okay to side, do not insulate.
R327 01	6/16/09	TI	THREE TRADE ROUGH IN >2500 VRU #: 001781988
	<u>6/16/09</u>	<u>DA DT</u>	

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

Trenco
818 Soundside Rd
Edenton, NC 27932

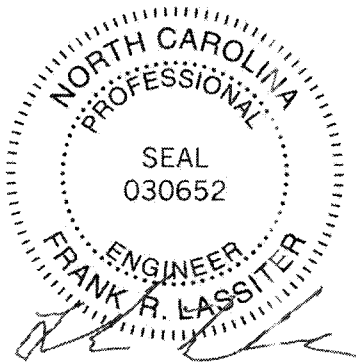
Re: J92027
Blackwell / Lot 198 Woodshire / Harnett

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: E5329339 thru E5329341

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

North Carolina COA: C-0844



June 15, 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.

Job	Truss	Truss Type	Qty	Ply	Blackwell / Lot 198 Woodshire / Harnett	5329339
J92027	A3AX	ROOF TRUSS	0	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309 7.130 s Apr 28 2009 MITek Industries, Inc. Mon Jun 15 11:43:16 2009 Page 1

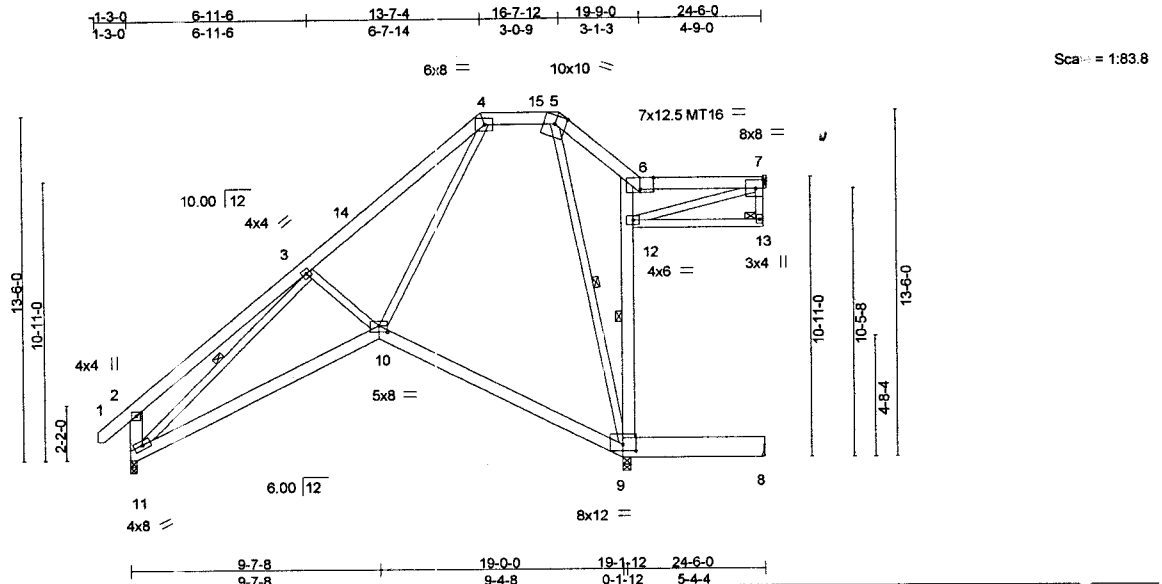


Plate Offsets (X,Y): [6:0-6-4,Edge], [9:0-6-0-0-3-2], [10:0-4-0-0-3-0]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.15	TC 0.79	Vert(LL) 0.17 10-11 >999 360	MT20	244/190
TCDL 10.0	Lumber Increase 1.15	BC 0.36	Vert(TL) -0.29 10-11 >784 240	MT16	171/147
BCLL 0.0 *	Rep Stress Incr NO	WB 0.79	Horz(TL) 0.33 7 n/a n/a	Weight: 242 lb	
BCDL 10.0	Code IRC2003/TPI2002	(Matrix)			

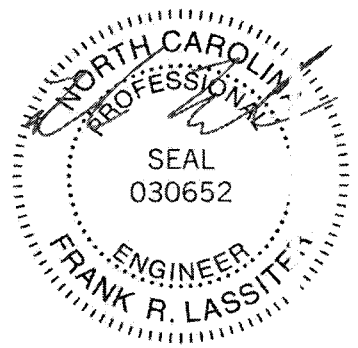
LUMBER	BRACING
TOP CHORD 2 X 6 SYP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 6 SYP No.1 *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3 *Except*	WEBS 1 Row at midpt 5-9, 3-11, 8-9
2-11,6-9: 2 X 6 SYP No.1	JOINTS 1 Brace at Jt(s): 13
	<div style="border: 1px solid black; padding: 5px;"> <p>MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.</p> </div>

REACTIONS (lb/size) 9=1347/0-1-9 (input: 0-3-8), 8=197/Mechanical, 11=809/0-1-8 (input: 0-3-0), 7=198/Mechanical
 Max Horz 11=493(LC 5)
 Max Uplift 9=-384(LC 4), 8=-86(LC 3), 11=-133(LC 5), 7=-123(LC 4)
 Max Grav 9=1347(LC 1), 8=217(LC 10), 11=809(LC 1), 7=198(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/52, 2-3=-409/345, 3-4=-957/437, 4-5=-184/171, 5-6=-120/248, 6-7=-34/68, 2-11=-443/375
 BOT CHORD 10-11=-656/912, 9-10=-105/215, 8-9=-4/2
 WEBS 3-10=-311/377, 4-10=-491/883, 5-9=-983/463, 3-11=-852/100, 9-12=-126/247, 6-12=-107/278, 12-13=0/0, 7-13=-215/1, 7-12=-70/34

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 100mph; TCCL=6.0psf; BCCL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - * 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.
 - Refer to girder(s) for truss to truss connections.
 - Refer to girder(s) for truss to truss connections.
 - Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 384 lb uplift at joint 9, 86 lb uplift at joint 8, 133 lb uplift at joint 11 and 123 lb uplift at joint 7.
 - 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.
 - Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2
 LOAD CASE(S) Standard



June 15, 2009

<p>WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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/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.</p>	<p>ENGINEERING BY TRENCO A MITek Affiliat 818 Soundside Road Edenton, NC 27932</p>
--	---

Job	Truss	Truss Type	Qty	Ply	Blackwell / Lot 198 Woodshire / Harnett	E5329339
J92027	A3AX	ROOF TRUSS	0	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309

7.130 s Apr 28 2009 MiTek Industries, Inc. Mon Jun 15 11:43:16 2009 page 2

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-60, 2-4=-60, 4-5=-60, 5-6=-60, 6-7=-60, 10-11=-20, 9-10=-20, 8-9=-100(F=-80), 12-13=-20(F)

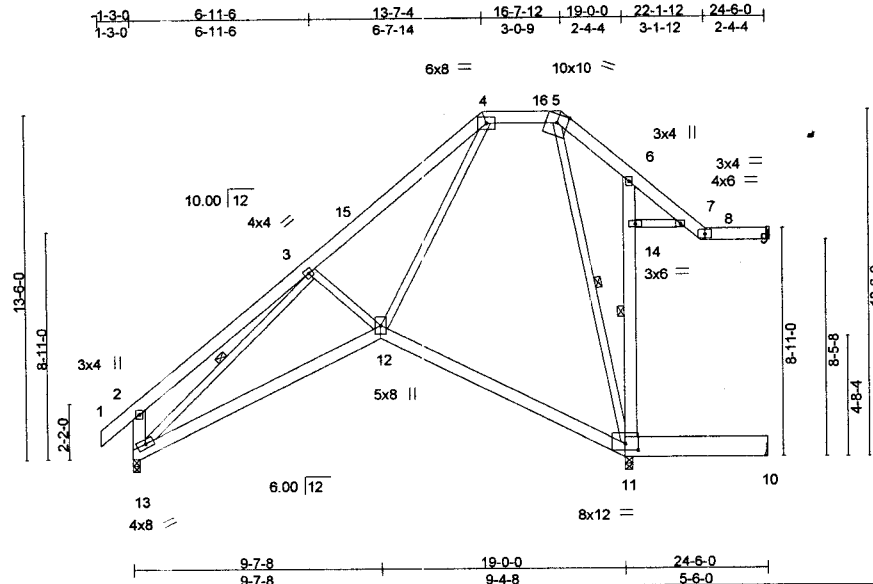
WARNING: Verify design parameters and READ NOTES ON THIS AND INCLUDED MI TEK REFERENCE PAGE MI-7473 rev. 10-08 BEFORE USE.
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component.
 Applicability of design parameters 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/TPI1 Quality Criteria, DSB-89 and ICSI Building Component Safety Information** available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY
TRENCO
 A MI TEK AFFILIATE

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blackwell / Lot 198 Woodshire / Hamett	5329340
J92027	A3BX	ROOF TRUSS	0	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309 7.130 s Apr 28 2009 MITek Industries, Inc. Mon Jun 15 11:43:17 2009 Page 1



Scale = 1:83.8

Plate Offsets (X,Y): [11:0-6-0-0-3-2]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.15	TC 0.80	Vert(LL)	0.17 12-13	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase	1.15	BC 0.35	Vert(TL)	-0.28 12-13	>795	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.80	Horz(TL)	0.30 9	n/a	n/a		
BCDL 10.0	Code IRC2003/TPI2002		(Matrix)						Weight: 230 lb

LUMBER	BRACING
TOP CHORD 2 X 6 SYP No.1	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purfins, except end verticals.
BOT CHORD 2 X 6 SYP No.1 *Except* 10-11: 2 X 10 SYP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3 *Except* 6-11,2-13: 2 X 6 SYP No.1	WEBS 1 Row at midpt 5-11, 6-11, 3-13
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

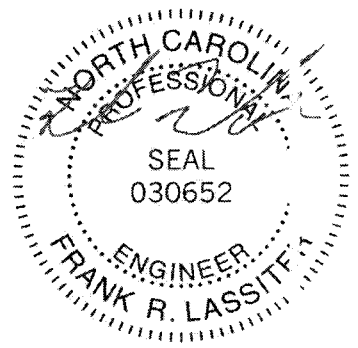
REACTIONS (lb/size) 9=182/Mechanical, 11=1374/0-1-10 (input: 0-3-8), 10=198/Mechanical, 13=811/0-1-8 (input: 0-3-0)
 Max Horz 13=444(LC 4)
 Max Uplift 9=98(LC 6), 11=331(LC 5), 10=88(LC 3), 13=173(LC 5)
 Max Grav 9=182(LC 1), 11=1374(LC 1), 10=217(LC 10), 13=813(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/57, 2-3=-402/345, 3-4=-947/442, 4-5=-180/216, 5-6=-153/271, 6-7=-30/176, 7-8=-15/32, 8-9=0/0, 2-13=-447/384
 BOT CHORD 12-13=-585/904, 11-12=-116/211, 10-11=-4/2
 WEBS 3-12=-309/365, 4-12=-436/877, 5-11=-1006/518, 11-14=-230/377, 6-14=-239/367, 3-13=-849/102, 7-14=-47/38

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 100mph; TCCL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - * 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.
 - Refer to girder(s) for truss to truss connections.
 - Refer to girder(s) for truss to truss connections.
 - Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 9, 331 lb uplift at joint 11, 88 lb uplift at joint 10 and 173 lb uplift at joint 13.
 - 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.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2



June 5, 2009

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 rev. 10-08 BEFORE USE. Design valid for use only with Mittek 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.</p>	<p>ENGINEERING BY TRENCO <small>A Mittek Affiliate</small></p> <p>818 Soundside Road Edenton, NC 27932</p>
--	--

Job	Truss	Truss Type	Qty	Ply	Blackwell / Lot 198 Woodshire / Harnett	E5329340
J92027	A3BX	ROOF TRUSS	0	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309

7.130 s Apr 28 2009 MITek Industries, Inc. Mon Jun 15 11:43:17 2009 Page 2

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-60, 2-4=-60, 4-5=-60, 5-7=-60, 7-8=-80(F=-20), 8-9=-80(F=-20), 12-13=-20, 11-12=-20, 10-11=-100(F=-80), 7-14=-20(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE BII-7473 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/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.

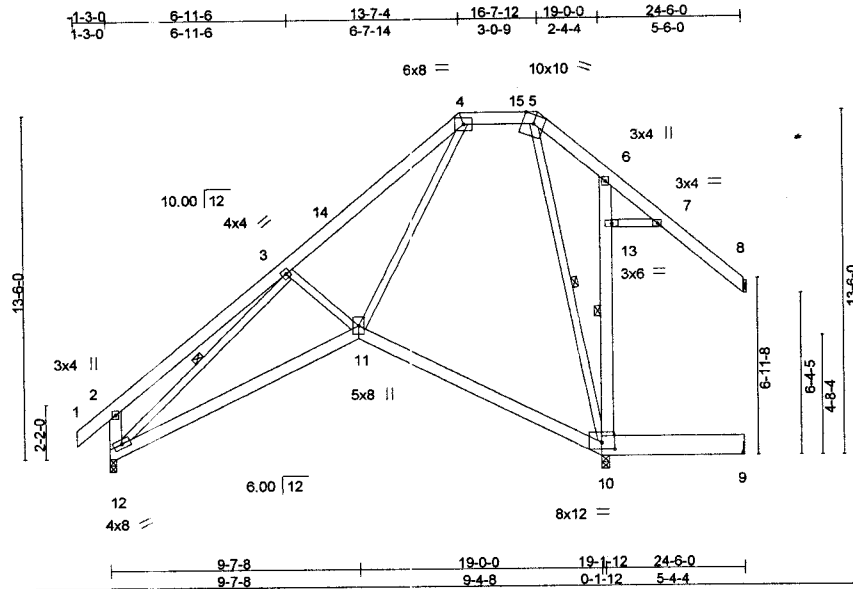
ENGINEERING BY
TRENCO
 A MITEK Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blackwell / Lot 198 Woodshire / Harnett	5329341
J92027	A3CX	ROOF TRUSS	0	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309

7.130 s Apr 28 2009 MiTek Industries, Inc. Mon Jun 15 11:43:18 2009 Page 1



Scale = 1:83.8

Plate Offsets (X,Y): [10:0-6-0-0-3-2]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.15	TC 0.80	Vert(LL) 0.17 11-12	>999	360	MT20	244/190
TCDL 10.0	Lumber Increase 1.15	BC 0.35	Vert(TL) -0.28 11-12	>795	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.80	Horz(TL) 0.32 8	n/a	n/a		
BCDL 10.0	Code IRC2003/TPI2002	(Matrix)					Weight: 232 lb

LUMBER
 TOP CHORD 2 X 6 SYP No.1
 BOT CHORD 2 X 6 SYP No.1 *Except*
 9-10: 2 X 10 SYP No.1
 WEBS 2 X 4 SYP No.3 *Except*
 6-10,2-12: 2 X 6 SYP No.1

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.
 WEBS 1 Row at midpt 5-10, 6-10, 3-12

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

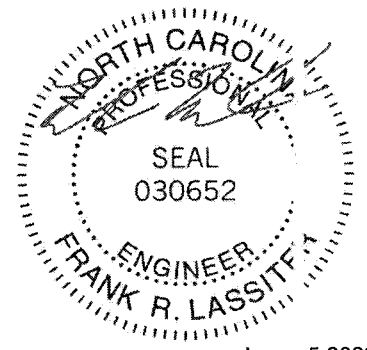
REACTIONS (lb/size) 8=179/Mechanical, 10=1377/0-1-10 (input: 0-3-8), 9=198/Mechanical, 12=811/0-1-8 (input: 0-3-0)
 Max Horz 12=452(LC 4)
 Max Uplift 8=-145(LC 6), 10=-259(LC 5), 9=-91(LC 3), 12=-209(LC 5)
 Max Grav 8=179(LC 1), 10=1377(LC 1), 9=217(LC 10), 12=813(LC 9)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/57, 2-3=-402/347, 3-4=-946/453, 4-5=-180/267, 5-6=-169/351, 6-7=0/180, 7-8=-100/103, 2-12=-447/387
 BOT CHORD 11-12=-555/903, 10-11=-125/210, 9-10=-4/2
 WEBS 3-11=-309/353, 4-11=-386/876, 5-10=-1004/543, 10-13=-287/429, 6-13=-296/419, 3-12=-848/109, 7-13=-51/52

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-02; 100mph; TC DL=6.0psf; BC DL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Interior(1) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - * 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.
 - Refer to girder(s) for truss to truss connections.
 - Refer to girder(s) for truss to truss connections.
 - Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 8, 259 lb uplift at joint 10, 91 lb uplift at joint 9 and 209 lb uplift at joint 12.
 - 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.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2



June 15, 2009

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 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/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.

ENGINEERING BY
TRENCO
 A MiTek Affiliate

818 Soundside Road
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	Blackwell / Lot 198 Woodshire / Harnett	E5329341
J92027	A3CX	ROOF TRUSS	0	1	Job Reference (optional)	

.Comtech, Inc., Fayetteville, NC 28309

7.130 s Apr 28 2009 MITek Industries, Inc. Mon Jun 15 11:43:18 2009 Page 2

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf)

Vert: 1-2=-60, 2-4=-60, 4-5=-60, 5-7=-60, 7-8=-80(F=-20), 11-12=-20, 10-11=-20, 9-10=-100(F=80), 7-13=-20(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10-08 BEFORE USE.

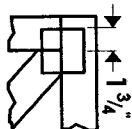
Design valid for use only with MITek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral 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/TPI1 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 Affiliat

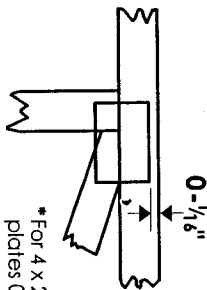
818 Soundside Road
 Edenton, NC 27932

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.



*For 4 x 2 orientation, locate plates 0- $\frac{1}{8}$ " 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

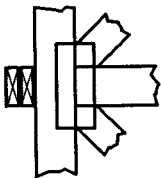
4 X 4 The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



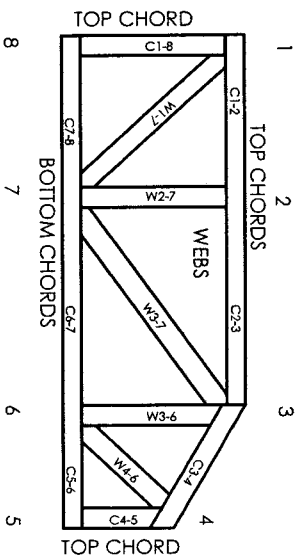
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/FP11: 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/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, 9604B
9730, 95-43, 96-31, 9667A
NER-487, NER-561
951110, 84-32, 96-67, ER-3907, 9432A

© 2006 MITek® All Rights Reserved



MITek Engineering Reference Sheet: MIL-7473 rev. 10-08

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, I, or Eliminator 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/FP11.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/FP11.
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. Cumber 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/FP11 Quality Criteria.

PREPARED 6/16/09, 15:01:25

INSPECTION TICKET

PAGE 1
DATE 6/17/09

INSPECTOR: IVR

Harnett County

ADDRESS : 43 EASTWOOD CT
CONTRACTOR : DUSTIN BLACKWELL, INC
OWNER : WOODSHIRE PARTNERS LLC
PARCEL : 01-0536-06- -0028- -38-
APPL NUMBER: 09-50022074 CP NEW RESIDENTIAL (SFD)

SUBDIV: WOODSHIRE PH 5
PHONE : (919) 606-4696
PHONE :

DIRECTIONS : 43 EASTWOOD COURT, WOODSHIRE SUB DIV
#198. 27W, LEFT ON NURSERY RD, LEFT ON
LEMUAL BLACK RD, LEFT INTO WOODSHIRE
SUB DIV, RIGHT ON SONORA, LEFT ON
KEN SOMETHING, RIGHT ON BLUE SOMETHING,
LEFT ON EASTWOOD.
T/S: 05/12/2009 09:05 AM VBROWN ----

STRUCTURE: 000 000 60X54 4BDR 3BATH SFD WITH GAR, DECK, CRAWL

FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 4.00 PROPOSED USE : SFD
SEPTIC - EXISTING? : NEW SEPTIC WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	5/27/09	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001773126
	5/27/09	AP	
B103 01	5/29/09	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 001774298
	5/29/09	AP	
A814 01	5/29/09	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001774272
	6/02/09	AP	43 eastwood ct. lot 198 43 EASTWOOD CT LOT 198 LILLINGTON 27546
B105 01	6/01/09	DT	R*OPEN FLOOR VRU #: 001775287
	6/01/09	AP	
R427 01	6/15/09	DT	FOUR TRADE ROUGH IN >2500 VRU #: 001781432
	6/15/09	DA	1. Need engineered letter for cut trusses. 2. Trusses not strapped properly. 3. Plumbing ceiling in garage and wall behing fire box must be fire blocked. 4. Master tub must be completely rodent proofed. 5. Need 4 jack studs under both sides of lvl's in garage. Okay to side, do not insulate.
R327 01	6/16/09	DT	THREE TRADE ROUGH IN >2500 VRU #: 001781988
	6/16/09	DA	1. Girder truss in garage still not strapped properly. 2. Drop plumbing ceiling not fire blocked. Okay to insulate.
I129 01	6/17/09	TI	R*INSULATION INSPECTION VRU #: 001782721
	6/17/09	AP DT	
R427 02	6/17/09	TI	FOUR TRADE ROUGH IN >2500 TIME: 17:00 VRU #: 001782879
	6/17/09	AP DT	

COMMENTS AND NOTES

ADDRESS : 43 EASTWOOD CT SUBDIV: WOODSHIRE PH 5
 CONTRACTOR : DUSTIN BLACKWELL, INC PHONE : (919) 606-4696
 OWNER : WOODSHIRE PARTNERS LLC PHONE :
 PARCEL : 01-0536-06- -0028- -38-
 APPL NUMBER: 09-50022074 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : 43 EASTWOOD COURT, WOODSHIRE SUB DIV
 #198. 27W, LEFT ON NURSERY RD, LEFT ON
 LEMUAL BLACK RD, LEFT INTO WOODSHIRE
 SUB DIV, RIGHT ON SONORA, LEFT ON
 KEN SOMETHING, RIGHT ON BLUE SOMETHING,
 LEFT ON EASTWOOD.
 T/S: 05/12/2009 09:05 AM VBROWN ----

STRUCTURE: 000 000 60X54 4BDR 3BATH SFD WITH GAR, DECK, CRAWL
 FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 4.00 PROPOSED USE : SFD
 SEPTIC - EXISTING? : NEW SEPTIC WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	5/27/09	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001773126
	5/27/09	AP	
B103 01	5/29/09	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 001774298
	5/29/09	AP	
A814 01	5/29/09	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001774272
	6/02/09	AP	43 eastwood ct lot 198 43 EASTWOOD CT LOT 198 LILLINGTON 27546
B105 01	6/01/09	DT	R*OPEN FLOOR VRU #: 001775287
	6/01/09	AP	
R427 01	6/15/09	DT	FOUR TRADE ROUGH IN >2500 VRU #: 001781432
	6/15/09	DA	1. Need engineered letter for cut trusses. 2. Trusses not strapped properly. 3. Plumbing ceiling in garage and wall behing fire box must be fire blocked. 4. Master tub must be completely rodent proofed. 5. Need 4 jack studs under both sides of lvl's in garage. Okay to side, do not insulate.
R327 01	6/16/09	DT	THREE TRADE ROUGH IN >2500 VRU #: 001781988
	6/16/09	DA	1. Girder truss in garage still not strapped properly. 2. Drop plumbing ceiling not fire blocked. Okay to insulate.
I129 01	6/17/09	DT	R*INSULATION INSPECTION VRU #: 001782721
	6/17/09	AP	
R427 02	6/17/09	DT	FOUR TRADE ROUGH IN >2500 TIME: 17:00 VRU #: 001782879
	6/17/09	AP	
H824 01	7/02/09	BM	ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001790482
	7/02/09	AP	T/S: 07/06/2009 10:45 AM SSTEWARD ----- T/S: 07/06/2009 10:45 AM SSTEWARD -----
R431 01	7/20/09	TI	FOUR TRADE FINAL >2500 VRU #: 001796317
	<u>7-20-09</u>	<u>APJH</u>	

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: SFD

Owner: Dustin Blackwell

911 Address: 43 E Stwood Ct

State: N.C. Zip Code: _____

Date: 7-20-09

James E. Hall
Building Official

PERMIT NUMBERS

Building Permit No.: _____

Electrical Permit No.: _____

Insulation Permit No.: _____

Plumbing Permit No.: _____

Mech. Permit No.: _____

MFG. Home: _____

09-500-0074