

-----

ADDRESS . . : 126 CAROLINA OAKS CIR  
 CONTRACTOR : ELK RIDGE AT SOUTHVIEW LLC  
 OWNER . . : RAM DEVELOPMENT INC  
 PARCEL . . : 01-0544- - -0012- -06-  
 APPL NUMBER: 07-50018463 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : SOUTH 401 TO ELLIOTT BRIDGE RD TO WILL  
 LUCUS RD S/D ON RIGHT LOT 6 JB

SUBDIV: CAROLINA OAKS 64 LOTS  
 PHONE : (910) 323-4393  
 PHONE :

-----

**STRUCTURE: 000 000 34X24 3BDR**  
 FLOOD ZONE . . . . : FLOOD ZONE X  
 # BEDROOMS . . . . . : 3.00 PROPOSED USE . . . . . : SFD  
 SEPTIC - EXISTING? . . . . : NEW

-----

**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS	VRU #:
B101 01	4/03/08	TI <i>AP JH</i>	R*BLDG FOOTING / TEMP SVC POLE <i>no T-pole</i>	001587474

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COMMENTS AND NOTES  
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ADDRESS : 126 CAROLINA OAKS CIR  
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LUCUS RD S/D ON RIGHT LOT 6 JB

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PHONE : (910) 323-4393  
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STRUCTURE: 000 000 34X24 3BDR  
FLOOD ZONE : FLOOD ZONE X

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	4/03/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001587474
	4/03/08	AP	no t-pole
B103 01	4/17/08	TI	R*BLDG FOUND & TEMP SVC POLE VRU #: 001594732

*AP JH*

COMMENTS AND NOTES

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ADDRESS . . : 126 CAROLINA OAKS CIR SUBDIV: CAROLINA OAKS 64 LOTS  
CONTRACTOR : ELK RIDGE AT SOUTHVIEW LLC PHONE : (910) 323-4393  
OWNER . . . : RAM DEVELOPMENT INC PHONE :  
PARCEL . . . : 01-0544- - -0012- -06-  
APPL NUMBER: 07-50018463 CP NEW RESIDENTIAL (SFD)  
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LUCUS RD S/D ON RIGHT LOT 6 JB  
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FLOOD ZONE . . . . : FLOOD ZONE X  
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PERMIT: CPSE 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	4/03/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001587474
	4/03/08	AP	no t-pole
B103 01	4/17/08	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001594732
	4/17/08	AP	
A814 01	5/02/08	TI	ADDRESS CONFIRMATION VRU #: 001602044
P309 01	5/02/08	TI	R*PLUMB UNDER SLAB VRU #: 001602036

*DA JH*

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COMMENTS AND NOTES  
-----

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ADDRESS . : 126 CAROLINA OAKS CIR SUBDIV: CAROLINA OAKS 64 LOTS  
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STRUCTURE: 000 000 34X24 3BDR  
FLOOD ZONE . . . . : FLOOD ZONE X  
-----

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	4/03/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001587474
	4/03/08	AP	no t-pole
B103 01	4/17/08	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001594732
	4/17/08	AP	
A814 01	5/02/08	TI	ADDRESS CONFIRMATION VRU #: 001602044
P309 01	5/02/08	JH	R*PLUMB UNDER SLAB VRU #: 001602036
	5/02/08	DA	Need 10' head of water on under slab plumbing.
P309 02	5/05/08	TI	R*PLUMB UNDER SLAB VRU #: 001603133

*AP JH*

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COMMENTS AND NOTES  
-----

-----  
ADDRESS . . : 126 CAROLINA OAKS CIR SUBDIV: CAROLINA OAKS 64 LOTS  
CONTRACTOR : ELK RIDGE AT SOUTHVIEW LLC PHONE : (910) 323-4393  
OWNER . . : RAM DEVELOPMENT INC PHONE :  
PARCEL . . : 01-0544- - -0012- -06-  
APPL NUMBER: 07-50018463 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : SOUTH 401 TO ELLIOTT BRIDGE RD TO WILL  
LUCUS RD S/D ON RIGHT LOT 6 JB  
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**STRUCTURE: 000 000 34X24 3BDR**

FLOOD ZONE . . . . : FLOOD ZONE X  
# BEDROOMS . . . . : 3.00 PROPOSED USE . . . . : SFD  
SEPTIC - EXISTING? . . . . : NEW  
-----

**PERMIT: CPSF 00 CP \* SFD**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	4/03/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001587474
	4/03/08	AP	no t-pole
B103 01	4/17/08	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001594732
	4/17/08	AP	
P309 01	5/02/08	JH	R*PLUMB UNDER SLAB VRU #: 001602036
	5/02/08	DA	Need 10' head of water on under slab plumbing.
A814 01	5/02/08	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001602044
	5/06/08	AP	126 Carolina Oaks Cir lot 6
P309 02	5/05/08	JH	R*PLUMB UNDER SLAB VRU #: 001603133
	5/05/08	AP	
B111 01	5/08/08	TI	R*BLDG SLAB INSP VRU #: 001605828
		<i>AP JV</i>	

----- COMMENTS AND NOTES -----  
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ADDRESS : 126 CAROLINA OAKS CIR  
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PARCEL : 01-0544- - -0012- -06-  
APPL NUMBER: 07-50018463 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : SOUTH 401 TO ELLIOTT BRIDGE RD TO WILL  
LUCUS RD S/D ON RIGHT LOT 6 JB

SUBDIV: CAROLINA OAKS 64 LOTS  
PHONE : (910) 323-4393  
PHONE :

STRUCTURE: 000 000 34X24 3BDR  
FLOOD ZONE : FLOOD ZONE X

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	4/03/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001587474
	4/03/08	AP	no t-pole.
B103 01	4/17/08	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001594732
	4/17/08	AP	
P309 01	5/02/08	JH	R*PLUMB UNDER SLAB VRU #: 001602036
	5/02/08	DA	Need 10' head of water on under slab plumbing.
A814 01	5/02/08	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001602044
	5/06/08	AP	126 Carolina Oaks Cir lot 6
P309 02	5/05/08	JH	R*PLUMB UNDER SLAB VRU #: 001603133
	5/05/08	AP	
B111 01	5/08/08	JH	R*BLDG SLAB INSP VRU #: 001605828
	5/08/08	AP	
R425 01	6/06/08	TI	FOUR TRADE ROUGH IN VRU #: 001621275

*6-6-08 DAB*

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

ADDRESS : 126 CAROLINA OAKS CIR  
CONTRACTOR : ELK RIDGE AT SOUTHVIEW LLC  
OWNER : RAM DEVELOPMENT INC  
PARCEL : 01-0544- - -0012- -06-  
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PHONE : (910) 323-4393  
PHONE :

STRUCTURE: 000 000 34X24 3BDR  
FLOOD ZONE . . . : FLOOD ZONE X

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	4/03/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001587474
	4/03/08	AP	no t-pole
B103 01	4/17/08	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001594732
	4/17/08	AP	
P309 01	5/02/08	JH	R*PLUMB UNDER SLAB VRU #: 001602036
	5/02/08	DA	Need 10' head of water on under slab plumbing.
A814 01	5/02/08	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001602044
	5/06/08	AP	126 Carolina Oaks Cir lot 6
P309 02	5/05/08	JH	R*PLUMB UNDER SLAB VRU #: 001603133
	5/05/08	AP	
B111 01	5/08/08	JH	R*BLDG SLAB INSP VRU #: 001605828
	5/08/08	AP	
R425 01	6/06/08	BS	FOUR TRADE ROUGH IN VRU #: 001621275
	6/06/08	DA	1. No insulation baffles in cathedrals. 2. Need engineering on the following- supporting front porch floor load on cantilevered truss, repair for floor truss drilled for plumbing, and size of header over garage window supporting triple girder truss. 3. No mid story guides on plumbing. 4. Need 3 jack studs under 14" LVL in ceiling of living/kitchen at exterior wall. ***House was partially covered with siding a time of inspection***
R425 02	6/11/08	JH	FOUR TRADE ROUGH IN VRU #: 001623685
	6/11/08	CA	per Dewayne
R425 03	6/17/08	TI	FOUR TRADE ROUGH IN VRU #: 001626951

6/17/08 DA DI

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

**Trenco**

818 Soundside Rd  
Edenton, NC 27932

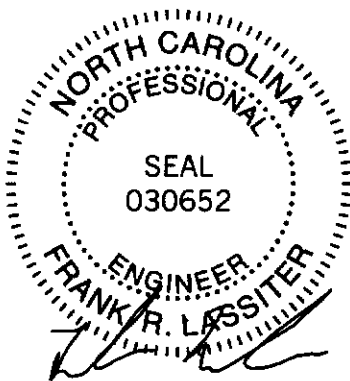
Re: J74863

Ram Devlp. - Lot 6 Carolina Oaks

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: E4888950 thru E4888950

My license renewal date for the state of North Carolina is December 31, 2008.



June 13, 2008

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 J74863	Truss XF01A	Truss Type FLOOR	Qty 1	Ply 1	Ram Devlp. - Lot 6 Carolina Oaks	E4888950
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Comtech Inc., Fayetteville, NC 28309

Job Reference (optional)

7.050 s May 22 2008 MiTek Industries, Inc. Fri Jun 13 08:20:24 2008 Page 1

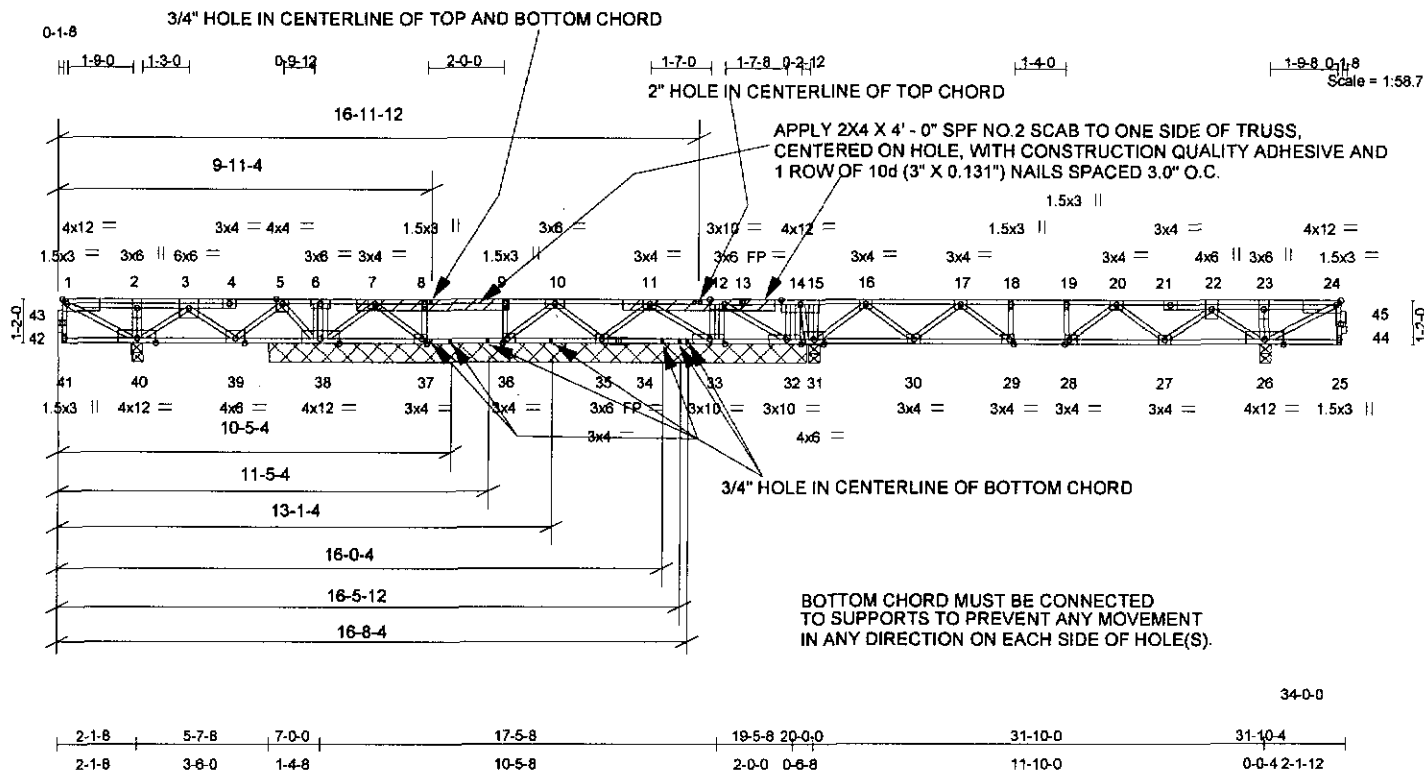


Plate Offsets (X,Y):	[1:Edge,0-1-8]	[12:0-4-8,Edge]	[24:0-1-8,Edge]	[28:0-1-8,Edge]	[29:0-1-8,Edge]	[32:0-4-8,Edge]	[33:0-4-8,Edge]	[36:0-1-8,Edge]	[37:0-1-8,Edge]
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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.30	Vert(LL)	-0.05 27-28	>999	480	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.20	Vert(TL)	0.06 27-28	>999	360		
BCLL 0.0	Rep Stress Incr	NO	.WB 0.85	Horz(TL)	-0.02 26	n/a	n/a		
BCDL 5.0	Code IRC2003/TPI2002		(Matrix)						Weight: 194 lb

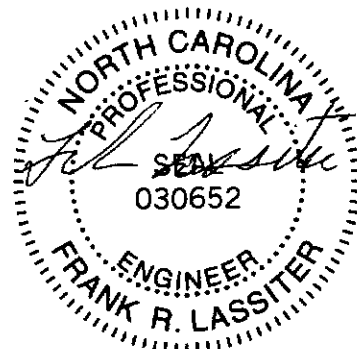
LUMBER	BRACING
TOP CHORD 4 X 2 SYP 2700F 2.2E	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 4 X 2 SYP 2700F 2.2E	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 37-38.
WEBS 4 X 2 SYP No.3	

REACTIONS (lb/size)	40=3028/0-3-8, 32=-78/14-2-0, 31=1010/0-3-8, 31=1010/0-3-8, 26=2933/0-3-8, 38=75/14-2-0, 37=311/14-2-0, 36=245/14-2-0, 35=253/14-2-0, 33=364/14-2-0
Max Uplift	32=-303(LC 4), 38=-185(LC 8)
Max Grav	40=3028(LC 1), 32=105(LC 8), 31=1317(LC 2), 31=1010(LC 1), 26=2933(LC 6), 38=648(LC 7), 37=311(LC 1), 36=254(LC 5), 35=285(LC 5), 33=414(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 41-42=-5/3, 42-43=-5/3, 1-43=-4/3, 25-44=-6/4, 44-45=-6/4, 24-45=-5/3, 1-2=0/3376, 2-3=0/3374, 3-4=0/1227, 4-5=0/1228, 5-6=-44/62, 6-7=-40/68, 7-8=0/43, 8-9=0/43, 9-10=0/43, 10-11=0/114, 11-12=0/256, 12-13=0/574, 13-14=0/574, 14-15=0/911, 15-16=0/911, 16-17=-314/95, 17-18=-908/235, 18-19=-908/235, 19-20=-908/235, 20-21=-336/1574, 21-22=-343/1573, 22-23=0/3449, 23-24=0/3451
BOT CHORD 40-41=-1/1, 39-40=-2139/0, 38-39=-389/0, 37-38=0/90, 36-37=-43/0, 35-36=-5/65, 34-35=-80/75, 33-34=-80/75, 32-33=-235/0, 31-32=-616/0, 30-31=-296/0, 29-30=-35/735, 28-29=-235/908, 27-28=-823/737, 26-27=-2344/0, 25-26=-1/1
WEBS 2-40=-210/0, 6-38=-488/0, 12-33=-277/74, 14-32=-55/468, 15-31=-100/23, 23-26=-195/0, 12-32=-388/0, 16-31=-975/0, 16-30=0/581, 17-30=-548/0, 17-29=-336/290, 18-29=-135/106, 22-26=-1360/0, 22-27=0/979, 20-27=-977/0, 20-28=0/750, 19-28=-324/0, 24-26=-3941/0, 1-40=-3873/0, 3-40=-1512/0, 3-39=0/1158, 5-39=-1092/0, 5-38=-86/622, 7-38=-118/0, 7-37=-155/0, 8-37=-190/0, 9-36=-159/0, 10-36=-120/0, 10-35=-211/0, 11-35=-208/41, 11-33=-281/0, 14-31=-719/0

- NOTES**
- Unbalanced floor live loads have been considered for this design.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 32 and 185 lb uplift at joint 38.
  - 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.

Continued on page 2



June 13, 2008

**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, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofria Drive, Madison, WI 53719.



818 Soundside Road  
 Edenton, NC 27932

Job J74863	Truss XF01A	Truss Type FLOOR	Qty 1	Ply 1	Ram Davlp. - Lot 8 Carolina Oaks E4888950
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Comtech Inc., Fayetteville, NC 28309

7.050 s May 22 2008 MiTek Industries, Inc. Fri Jun 13 06:20:24 2008 Page 2

- 4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-18d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1860 lb down at 0-4-8, 400 lb down at 7-0-0, 180 lb down at 17-5-8, and 180 lb down at 19-5-8, and 1860 lb down at 33-7-7 on top chord. The design/selection of such connection device(s) is the responsibility of others.

**LOAD CASE(S) Standard**

1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 25-41=-10, 1-24=-100

Concentrated Loads (lb)

Vert: 1=-1860 24=-1860 6=-400 12=-180 14=-180

**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 ANSII/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate

818 Soundside Road  
 Edenton, NC 27932



**Trenco**  
 818 Soundside Rd  
 Edenon, NC 27932

Re: J74863  
 Ram Devip. - Lot 6 Carolina Oaks

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: E4880387 thru E4880387

My license renewal date for the state of North Carolina is December 31, 2008.



June 9, 2008

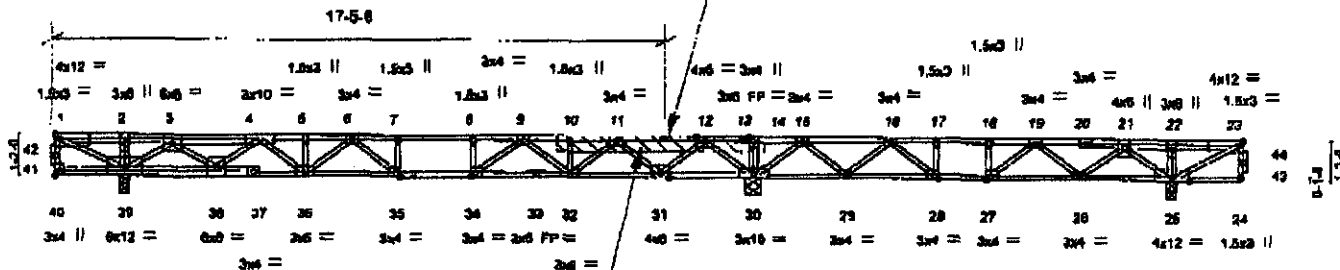
Lassiter, Frank

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 #74863	Truss F01	Truss Type FLOOR	Qty 10	Qty 1	Rem Descr. - Lot 6 Carolina Oaks	4980387
Comtech Inc., Fayetteville, NC 28308					Job Reference (optional)	
7.050 s May 22 2008 MITek Industries, Inc. Mon Jun 09 10:00:55 2008 Page 1						



2" WIDE X 3/8" DEEP DAMAGED SECTION



APPLY 2X6 X 5'-0" SPF NO.2 SCAB TO ONE SIDE OF TRUSS, CENTERED ON DAMAGE, WITH CONSTRUCTION QUALITY ADHESIVE AND 1 ROW OF 10d (3" X 0.131") NAILS SPACED 3.0' O.C.



Plate Offsets (X,Y): [1:Edge 0-1-6], [2:0-1-6,Edge], [7:0-1-6 Edge], [8:0-1-6,Edge], [34:0-1-6 Edge], [35:0-1-6,Edge], [40:Edge 0-1-6]										
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	Uc#	L/d	PLATES	GRIP	
TCCL 40.0	Plates Increase	1.00	TC 0.57	Ver(LL)	-0.22 35-36	>973	480	MT20	244/180	
TCDL 10.0	Lumber Increase	1.00	BC 0.82	Ver(TL)	-0.25 35-36	>871	360			
BCCL 0.0	Rep Stress Incr	NO	WB 0.87	Horz(TL)	0.03 30	N/A	N/A			
BCDL 5.0	Code	IRC2003/TP12002	(Metric)							
							Weight: 185 lb			

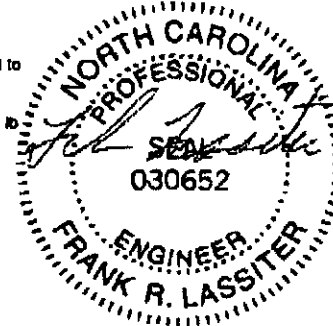
LUMBER	BRACING
TOP CHORD 4 X 2 SYP 2700F 2.3E	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 4 X 2 SYP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 4 X 2 SYP No.3	

REACTIONS (lb/size) 39=3100/0-3-8, 30=1463/0-5-8, 25=2820/0-3-8  
Max Grav 39=3125(LC 2), 30=1852(LC 3), 25=2921(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 10-41=-112, 41-42=-112, 1-42=-9/2, 2-43=-4/8, 43-44=-4/8, 23-44=-3/5, 1-2=0/3582, 2-3=0/3579, 3-4=-1158/2588, 4-5=-2300/1546, 5-6=-2295/1546, 6-7=-2788/842, 7-8=-2786/842, 8-9=-2788/842, 9-10=-1878/484, 10-11=-1878/484, 11-12=-340/600, 12-13=0/2347, 13-14=0/2347, 14-15=0/2347, 15-16=-497/1854, 16-17=-1032/2086, 17-18=-1032/2086, 18-19=-1092/2086, 19-20=-398/2893, 20-21=-403/2892, 21-22=0/3433, 22-23=0/3434  
 BOT CHORD 39-40=-1/3, 38-39=-3067/286, 37-38=-2147/1827, 36-37=-2147/1827, 35-36=-1255/2838, 34-35=-842/2788, 33-34=-580/2388, 32-33=-580/2388, 31-32=-465/1221, 30-31=-1028/0, 29-30=-1831/70, 28-29=-1882/884, 27-28=-2088/1032, 26-27=-2358/821, 25-26=-3052/0, 24-25=-1/1  
 WEBS 2-38=-257/0, 14-30=-107/0, 22-25=-190/0, 3-39=-1883/0, 3-38=0/1349, 4-38=-1184/0, 4-39=0/1016, 5-38=-118/0, 6-38=-872/0, 8-35=-155/915, 7-35=-437/38, 8-34=-358/157, 12-30=-1854/0, 12-31=0/1229, 11-31=-1191/0, 11-32=-26/883, 10-32=-118/15, 0-32=-676/88, 9-34=-350/796, 16-30=-1178/0, 16-29=-6788, 16-29=-764/75, 16-28=-317/863, 17-28=-303/117, 21-25=-1349/0, 21-28=0/865, 19-28=-846/0, 18-27=-269/736, 18-27=-338/88, 1-39=-4054/0, 23-25=-3950/0

- NOTES
- Unbalanced floor live loads have been considered for this design.
  - This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TP1.
  - Recommend 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
  - CAUTION, Do not erect truss backwards.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1860 lb down at 0-4-14, and 1860 lb down at 33-7-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard  
 1) Floor: Lumber Increase=1.00, Plate Increase=1.00  
 Uniform Loads (psf)  
 Vert: 24-40=10, 1-23=100  
 Concentrated Loads (lb)  
 Vert: 1=1860 23=1860



June 9, 2008

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGES BEFORE SUPPORT USE.**  
 Design valid for use only with MITek connections. 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 component 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, 899-87 and ICCSI Trussing Component Safety Information available from Truss Plate Institute, 563 O'CONNOR Drive, Warthon, VA 53719.

DESIGNED BY  
**TRENCO**  
 A MITEK COMPANY

918 Southside Road  
 Eden, NC 27622

ADDRESS : 126 CAROLINA OAKS CIR  
 CONTRACTOR : ELK RIDGE AT SOUTHVIEW LLC  
 OWNER : RAM DEVELOPMENT INC  
 PARCEL : 01-0544- - -0012- -06-  
 APPL NUMBER: 07-50018463 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : SOUTH 401 TO ELLIOTT BRIDGE RD TO WILL  
 LUCUS RD S/D ON RIGHT LOT 6 JB

SUBDIV: CAROLINA OAKS 64 LOTS  
 PHONE : (910) 323-4393  
 PHONE :

STRUCTURE: 000 000 34X24 3BDR  
 FLOOD ZONE . . . : FLOOD ZONE X

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	4/03/08	JH	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001587474
	4/03/08	AP	no t-pole
B103 01	4/17/08	JH	R*BLDG FOUND & TEMP SVC POLE VRU #: 001594732
	4/17/08	AP	
P309 01	5/02/08	JH	R*PLUMB UNDER SLAB VRU #: 001602036
	5/02/08	DA	Need 10' head of water on under slab plumbing.
A814 01	5/02/08	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001602044
	5/06/08	AP	126 Carolina Oaks Cir lot 6
P309 02	5/05/08	JH	R*PLUMB UNDER SLAB VRU #: 001603133
	5/05/08	AP	
B111 01	5/08/08	JH	R*BLDG SLAB INSP VRU #: 001605828
	5/08/08	AP	
R425 01	6/06/08	BS	FOUR TRADE ROUGH IN VRU #: 001621275
	6/06/08	DA	1. No insulation baffles in cathedrals. 2. Need engineering on the following- supporting front porch floor load on cantilevered truss, repair for floor truss drilled for plumbing, and size of header over garage window supporting triple girder truss. 3. No mid story guides on plumbing. 4. Need 3 jack studs under 14" LVL in ceiling of living/kitchen at exterior wall. ***House was partially covered with siding a time of inspection***
R425 02	6/11/08	JH	FOUR TRADE ROUGH IN VRU #: 001623685
	6/11/08	CA	per Dewayne
R425 03	6/17/08	DT	FOUR TRADE ROUGH IN VRU #: 001626951
	6/17/08	DA	No repair or paperwork for headers over windows in garage.
R425 04	6/18/08	TI	FOUR TRADE ROUGH IN VRU #: 001627520
	6/18/08	AP DT	

COMMENTS AND NOTES

**NOTE:**  
 1. THIS COMPONENT IS DESIGNED TO SUPPORT ONLY THE VERTICAL LOADS SHOWN. VERIFICATION OF LATERAL BRACING THAT IS ALWAYS REQUIRED IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR ARCHITECT.  
 2. PROVIDE RESTRAINT AT SUPPORTS TO ENSURE LATERAL STABILITY.  
 3. DO NOT CUT, NOTCH OR DRILL GANG-LAM.  
 4. SHIM ALL BEARINGS FOR FULL CONTACT.  
 5. VERIFY DIMENSIONS BEFORE CUTTING.  
 6. GANG-LAM IS TO BE USED AS A ROOF BEAM ONLY.  
 7. PROVIDE PROVISION FOR ADEQUATE DRAINAGE.  
 8. PROVIDE COMPRESSION EDGE BRACING AT EACH END OF COMPONENT.

DESIGN ASSUMES COMPONENTS CARRIED ARE APPLIED TO TOP EDGE OF GANG-LAM. SUCH THAT LOAD IS DISTRIBUTED EQUALLY TO EACHPLY. ATTACH THE TWO PLYS WITH 2 ROWS OF 16D (3/4") NAILS AT 12" OC. STRAGGER BONES NAILS CAN BE DRIVEN FROM ONE FACE OR HALF FROM EACH FACE. NAILS MAY BE COMMON OR BOX NAILS WITH A MAXIMUM SHANK DIAMETER OF 0.131". RED SINKERS (P-147) MAY BE USED, BUT HALF MUST BE DRIVEN FROM EACH FACE.

**LOAD TABLE**

NOTE: LOADS SHOWN ARE FROM INPUT LOAD CASE (1). OTHER LOAD CASES FOR PATTERN LIVE LOADS ARE CHECKED AS REQUIRED. (DIMENSIONS MEASURED FROM LEFT END OF SPAN OR CANTILEVER)

DISTRIBUTION	SOURCE TYPE	TYPE/SIDE	LOAD	FROM	TO	LOAD	LCP
UNIFORM	ROOF LIVE	TWP	1850	0'-00"-00"	04'-10"-00"		1.15
UNIFORM	ROOF DEAD	POP	1850	0'-00"-00"	04'-10"-00"		0.50
UNIFORM	BEAM	HEIGHT	5	0'-00"-00"	04'-10"-00"		0.90

WARNING NOTES:  
 THIS COMPONENT DESIGN IS SPECIFICALLY FOR L.P. ENGINEERED WOOD PRODUCTS. USE OF THIS DESIGN FOR ANYTHING OTHER THAN GANG-LAM LVL OR LVL JOISTS IS STRICTLY PROHIBITED. ANY MODIFICATION OF THIS DOCUMENT REQUIRES REVIEW BY A DESIGN PROFESSIONAL.

MINIMUM BEARING SIZES ARE SUFFICIENT TO PREVENT CRUSHING OF THE GANG-LAM LVL BEAM AS DESIGNED. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER, ARCHITECT OR DESIGNER TO VERIFY THAT THE SUPPORT STRUCTURE FOR THIS BEAM IS CAPABLE OF SUPPORTING THE REACTIONS.

ANCHOR GANG-LAM LVL ROOF BEAM SECURELY TO BEARINGS OR HANGERS.

**2 BEAMS 1.75 X 9.250 GL2850Fb-1.9E**  
 DESIGN CONSISTS OF 2 - PLYS FASTENED TOGETHER (REFER TO NOTES)

DESIGN CHARACTER	VAL	UNIT
LIVE LOAD	20	PSF
DEAD LOAD	28	PSF
TOTAL LOAD	40	PSF
ROOF LEFT SPAN CARB.	0.00	FT
ROOF RIGHT SPAN CARB.	0.00	FT
DEFLECTION CRITERIA:		
LIVE LOAD DEFL.	1 / 360	
TOTAL LOAD DEFL.	1 / 360	

CODE COMPLIANCES:  
 REPORT #  
 ICBG BR-5014  
 I.A. City RR 25167  
 OCCC 11578-N  
 WILSONSIN 2E0124-W  
 NER 622  
 N.Y. CITY MSA 97-94-R  
 HDD KR 1214D

**SUPPORT REACTIONS (LBS):**

CASE	B	R	H	I	N	G	M	U	R	B	R
1	7419	7419									
2	3719	3719									

**MIN BEARING SIZES (IN-SX)**  
 3-0 2-B

**MAXIMUM DEFLECTIONS**

CALCULATED	ALLOWABLE
LIVE LOAD	0.02"
DEAD LOAD	0.05"
TOTAL LOAD	0.04"
	0.13"

**Handing & Erection**

Temporary and permanent bracing for fielding component beams and for meeting lateral forces shall be designed and installed by others. The loads to be applied in the design of the bracing shall be based on the design loads to be applied to the component.

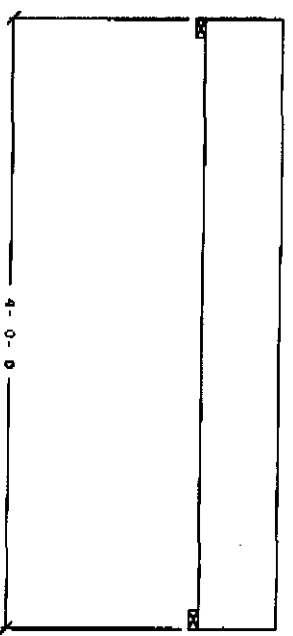
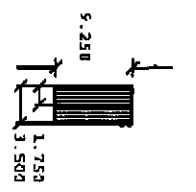
The design of internal bracing shall be based on the design loads to be applied to the beam. The design of the bracing shall be based on the design loads to be applied to the beam. The design of the bracing shall be based on the design loads to be applied to the beam.

Prep. C. Ando E. Design 2004.2woodok.spx

**Miscellaneous Information**

The use of this component shall be specified by the designer of the structure or other. It is the responsibility of the designer to verify that the design of the component meets the design loads to be applied to the component. The design of the component shall be based on the design loads to be applied to the component. The design of the component shall be based on the design loads to be applied to the component.

CROSS SECTION



**Gang-Lam LVL and CTR, LP Joist Specifications**

Support and connections for Gang-Lam LVL and CTR, LP Joists to be specified as follows:  
 • Common nails driven parallel to grain lines shall be spaced a minimum of 6" for 10d  
 • On one end, nails shall be spaced at 12" for 10d  
 • On the other end, nails shall be spaced at 12" for 10d  
 • In published material from LP, any use of Gang-Lam LVL and CTR, LP Joists shall comply with the terms set forth. However, specific engineering requirements of the product and LP shall be followed. This drawing may have an additional requirement of non-variability and design for a particular use.  
 A COPY OF THIS DRAWING IS TO BE GIVEN TO THE INSTALLING CONTRACTOR.  
 LP is a registered trademark of Louisiana Pacific Corporation.

Software Provided By:  
 LP Engineered Wood Products  
 2706 Highway 421 North  
 Waverly, NC 28081  
 Local 910.782.9774  
 National 800.899.9105

06/17/08 SBCTT

DWG # \_\_\_\_\_  
 SHEET # \_\_\_\_\_

ADDRESS : 126 CAROLINA OAKS CIR  
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SUBDIV: CAROLINA OAKS 64 LOTS  
 PHONE : (910) 323-4393  
 PHONE :

STRUCTURE: 000 000 34X24 3BDR  
 FLOOD ZONE . . . : FLOOD ZONE X

PERMIT: CPSF 00 CP \* SFD

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	6/18/08	AP	
I129 01	6/19/08	TI	R*INSULATION INSPECTION VRU #: 001628411

AP-MR

COMMENTS AND NOTES

ADDRESS : 126 CAROLINA OAKS CIR SUBDIV: CAROLINA OAKS 64 LOTS  
 CONTRACTOR : ELK RIDGE AT SOUTHVIEW LLC PHONE : (910) 323-4393  
 OWNER : RAM DEVELOPMENT INC PHONE :  
 PARCEL : 01-0544- - -0012- -06-  
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DIRECTIONS : SOUTH 401 TO ELLIOTT BRIDGE RD TO WILL  
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STRUCTURE: 000 000 34X24 3BDR  
 FLOOD ZONE : FLOOD ZONE X  
 # BEDROOMS : 3.00 PROPOSED USE : SFD  
 SEPTIC - EXISTING? : NEW

PERMIT: CPSF 00 CP \* SFD

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	6/18/08	AP	
I129 01	6/19/08	MR	R*INSULATION INSPECTION VRU #: 001628411
	6/19/08	AP	
H824 01	9/05/08	OT	✓ ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001673318
	9/05/08	AP	
R429 01	9/08/08	TI	FOUR TRADE FINAL VRU #: 001673060
	9/05/08	CA	
R429 02	9/08/08	TI	FOUR TRADE FINAL TIME: 17:00 VRU #: 001673326

*AP JH*

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

PERMIT NUMBERS

Owner: Ram Development LLC

Building Permit No.: \_\_\_\_\_

911 Address: 126 Carolina Oaks Cir

Electrical Permit No.: \_\_\_\_\_

Insulation Permit No.: \_\_\_\_\_

Plumbing Permit No.: \_\_\_\_\_

Mech. Permit No.: \_\_\_\_\_

~~MFG. Home~~ \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Date: 9-8-08

James Hall  
Building Official

50018463