

ADDRESS : 3508 OLD STAGE RD N SUBDIV:  
 CONTRACTOR : WINTERS BUILDERS LLC PHONE : (910) 984-4717  
 OWNER : GURKIN MEGAN B & WALTER P PHONE :  
 PARCEL : 07-0692- - -0105- -09-  
 APPL NUMBER: 14-50034896 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : T/S: 11/07/2014 09:52 AM JBROCK ----  
 421 TO BUIES CREEK 27 TO COATS L ON 55  
 R ON OLD STAGE N 1/4 MILE ON RIGHT

**STRUCTURE: 000 000 72X55 3BDR CRAWL W/ GARAGE**

FLOOD ZONE . . . . : FLOOD ZONE X  
 # BEDROOMS . . . . : 3000000.00 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	12/05/14	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 002605498
	12/05/14	AP	T/S: 12/05/2014 01:14 PM DETAYLOR -----
B103 01	12/16/14	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 002609298
	12/16/14	AP	T/S: 12/16/2014 03:06 PM DETAYLOR -----
A814 01	1/01/15	SB	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002613265
	1/02/15	AP	T/S: 01/02/2015 09:11 AM SBENNETT ----- 3508 OLD STAGE RD N ANGIER 27501 POST # ON HOME T/S: 01/02/2015 09:12 AM SBENNETT -----
B105 01	1/02/15	DT	R*OPEN FLOOR VRU #: 002613274
	1/02/15	AP	T/S: 01/02/2015 11:34 AM DETAYLOR -----
R425 01	2/03/15	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002623684
	2/03/15	CA	T/S: 02/02/2015 10:42 AM LBENNETT ----- T/S: 02/03/2015 03:08 PM DETAYLOR -----
R425 02	2/05/15	KS	FOUR TRADE ROUGH IN VRU #: 002624556
	2/05/15	DA	T/S: 02/05/2015 02:49 PM KSLATTUM ----- 1. B2GDR truss not nailed per code. 2. Joists not ladder framed causing a point load on truss. 3. Seal air barrier under stairs. 4. R-13 insulation installed behind tubs and fire place. 5. Doors not instaled. 6. Baffles not installed 7. clgdr not nailed 8. A6GDR needs additionall uplift at joint 7. 9. Joists notched for shower drain in crawl space not properly repaired.
R425 03	2/19/15	BS	FOUR TRADE ROUGH IN VRU #: 002628008
	2/19/15	DA	T/S: February 19, 2015 01:05 PM BSUTTON ----- Repair letter fromt truss company for point loaded girder truss must be sealed by designer. All other violations corrected.
R425 04	2/26/15	TI	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002629301
	<u>2/26/15</u>	<u>AP DT</u>	T/S: 02/25/2015 10:12 AM LBENNETT -----

COMMENTS AND NOTES

**Trenco**

818 Soundside Rd  
Edenton, NC 27932

Re: J1014-4959  
Gurkin Residence

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: E8620876 thru E8620876

My license renewal date for the state of North Carolina is December 31, 2015.

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.



February 23, 2015

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-1 Chapter 2.  
Engineering services provided by Truss Engineering Company.

Job	Truss	Truss Type	Qty	Ply	Location	Reference
J1014/1859	B2GDRX	ATTIC	1	2	Curkin Residence	E8820878

Comtech, Inc., Fayetteville, NC 28309  
 ID: Gmlz3fb0hNMoxp3A5qrwHAYXmp0\_lxUf1MMmJYy7JRd4C6XG5kEZisYIDWM4sfbFziKSR  
 7.430 s Jul 25 2013 Mittek Industries, Inc. Mon Feb 23 08:08:24 2015 Page 1  
 Job Reference (optional)

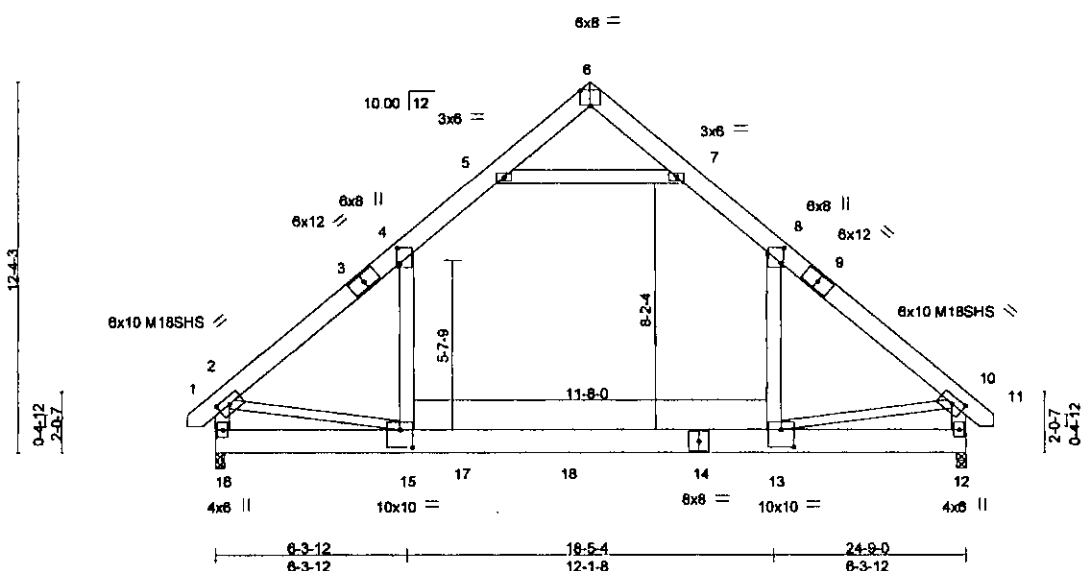


Plate Offsets (X,Y): [2:0-4-11,0-2-12], [4:0-6-3,0-1-1], [6:0-4-0,Edge], [8:0-6-3,0-1-1], [10:0-4-11,0-2-12], [13:0-5-0,0-7-0], [15:0-5-0,0-7-0]

<b>LOADING</b> (psf)	<b>SPACING</b>	<b>CSI</b>	<b>DEFL</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.65	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.15	BC 0.91	Vert(LL) -0.25 13-15 >999 360	M18SHS	244/190
BCLL 0.0 *	Lumber Increase 1.15	WB 0.37	Vert(TL) -0.42 13-15 >698 240		
BCDL 10.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 12 n/a n/a		
	Code IRC2009/TPJ2007		Wind(LL) 0.07 13-15 >999 240		
				Weight: 537 lb	FT = 20%

**LUMBER**  
 TOP CHORD 2x8 SP No.1  
 BOT CHORD 2x10 SP No.1  
 WEBS 2x8 SP No.1 \*Except\*  
 2-15,10-13: 2x4 SP No.3

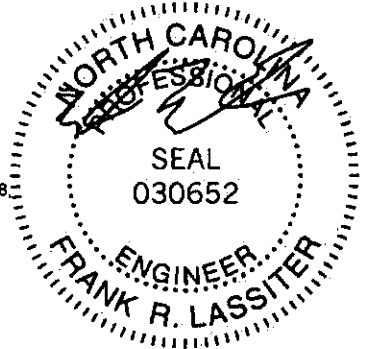
**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS** (lb/size) 16=2752/0-3-8 (min. 0-1-10), 12=2474/0-3-8 (min. 0-1-8)  
 Max Horz 16=280(LC 4)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/35, 2-4=-3287/35, 4-5=-1858/157, 5-6=-17/707, 6-7=-15/642, 7-8=-2023/163, 8-10=-3205/28, 10-11=0/35,  
 2-16=-2929/99, 10-12=-2852/92  
 BOT CHORD 15-16=-311/886, 13-15=0/2187, 12-13=-48/449  
 WEBS 5-7=-3002/231, 4-15=-8/1774, 8-13=-1/1544, 2-15=0/1576, 10-13=0/1799

- NOTES**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
 Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.  
 Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.  
 Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; C-C for members and foras & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - All plates are MT20 plates unless otherwise indicated.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* 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.
  - Ceiling dead load (10.0 psf) on member(s): 4-5, 7-8, 5-7; Wall dead load (5.0psf) on member(s): 4-15, 8-13
  - Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 13-15
  - "Semi-rigid pitchbreaks including heels" Member and fixity model was used in the analysis and design of this truss.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 605 lb down and 54 lb up at 8-1-8 and 983 lb down and 87 lb up at 11-7-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - Attic room checked for L/360 deflection.

**LOAD CASE(S)** Standard  
 1) Dead + Roof Live (balanced) + Attic Floor: Lumber Increase=1.15, Plate Increase=1.15



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Continued on page 2

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MIT-1473 rev. 1/29/2014 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, D58-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.  
 If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC.

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