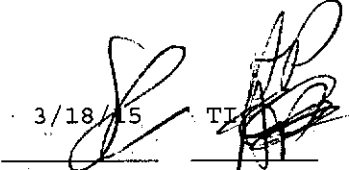

ADDRESS : 227 PEANUT LN SUBDIV:
CONTRACTOR : H & H ONSITE HOMES LLC PHONE : (910) 486-4864
OWNER : BERTRAN CHRISTINA AND RICHMEN PHONE :
PARCEL : 09-9544- - -0009- -10-
APPL NUMBER: 14-50034763 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 10/17/2014 10:25 AM DJOHNSON --
27W TO CAMERON THEN TURN ON BRIGGS RD
TO PEANUT LN

STRUCTURE: 000 000 27.9X51 4 BR ATT GAR COV PORCH SLAB
FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 4.00 PROPOSED USE : SFD
SEPTIC - EXISTING? : NEW WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

| TYP/SQ | REQUESTED COMPLETED | INSP RESULT | DESCRIPTION RESULTS/COMMENTS |
|---------|---------------------|-------------|--|
| A814 01 | 1/20/15 1/20/15 | SB AP | ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002617959 T/S: 01/20/2015 08:30 AM SBENNETT ----- 227 PEANUT LN CAMERON 28326 POST # BY LDW T/S: 01/20/2015 08:31 AM SBENNETT ----- |
| E207 01 | 1/20/15 1/20/15 | TSG AP | R*ELEC TEMP SERVICE POLE TIME: 17:00 VRU #: 002617975 |
| P309 01 | 1/20/15 1/20/15 | TSG AP | R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 002617967 |
| B114 01 | 1/29/15 1/29/15 | TSG DA | R*BLDG MONO SLAB/TEMP SVC POLE TIME: 17:00 VRU #: 002622694 1- WOODEN FORM STAKES NOT ALLOWED IN FOOTER 2-NEED ENTERGY CERT DELETING INSULATION FROM FOOTER. IF AREA IS SERVED BY DUKE POWER YOU ARE REQUIRED TO GET A PREMISE NUMBER FOR THE INSPECTOR TO CALL IN YOUR TEMP POWER CONNECT. |
| B114 02 | 2/03/15 2/03/15 | TSG AP | R*BLDG MONO SLAB/TEMP SVC POLE VRU #: 002623619 slab prep inspection note: res check paperwork is in the permit box |
| R425 01 | 3/10/15 3/10/15 | TSG DP | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002632370 1-ANCHOR BOLT MISSING GARAGE/HOUSE ENTRY DOOR RIGHT SIDE 2-FIRE BLOCK/ CAULK STAIR STRINGER REAR LAUNDRY WALL 3-INTERIOR LOAD BEARING WALLS REQUIRE MIN POWDER FIRED ATTACHMENT, CUT NAILS NOT ALLOWED 4-TOILET FLANGES NOT ATTACHED. 5-EXTERIOR ANCHOR BOLTS MISSING BREAKFAST NOOK WALL 6-LEFT SIDE CENTER BED ROOM WALL SWITCH WIRE TOP PLATE NOT FIRE CAULKED 7-LEFT CENTER BEDROOM OUTSIDE WALL TOP PLATE NOTCH NOT FIRE CAULKED. 8-INCOMPLETE PLANS...INCOMPLETE TRUSS PLANS STOPPED INSPECTION DO NOT INSULATE DO NOT SIDE |
| R425 02 | 3/13/15 3/13/15 | TSG AE | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002633667 1-All A02 TRUSS HAVE BEEN CUT DAMAGING THE CONNECTIOR PLATE 2-INTERIOR LOAD BEARING WALLS REQUIRE A MINIMUM OF A POWDER FIRED ATTACHEMENT. CUT NAILS NOT ALLOWED OK TO INSULATE OK TO SIDE |
| R425 03 | 3/18/15 | TI | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002635522 |



Trenco

818 Soundside Rd
Edenton, NC 27932

Re: J0714-3561

~~H&H Onsite Lot 6 Briggs Farm~~ Cumberland

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: E8646396 thru E8646396

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.



March 16, 2015

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 | H&H Onsite/Lot 6 Briggs Farm/Cumberland | E8846396 |
| J0714-3581 | B2 | PIGGYBACK BASE | 5 | 1 | | |

Comtech, Inc., Fayetteville, NC 28309

7.430 s Jul 25 2013 MITek Industries, Inc. Thu Mar 12 11:11:02 2015 Page 1

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ATTACH 1/2" PLYWOOD OR OSB GUSSET (15/32" APA RATED SHEATHING 32/16 EXP 1) TO EACH SIDE OF TRUSS WITH (0.131" x 2.5") NAILS PER THE FOLLOWING SCHEDULE:
 2 x 3's - 2 ROWS, 2 x 4's - 3 ROWS, 2 x 6's AND LARGER - 4 ROWS: SPACED @ 4" O.C.
 STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 2" O.C SPACING IN THE TRUSS. USE 2" MEMBER END DISTANCE.

Scale = 1:72.2

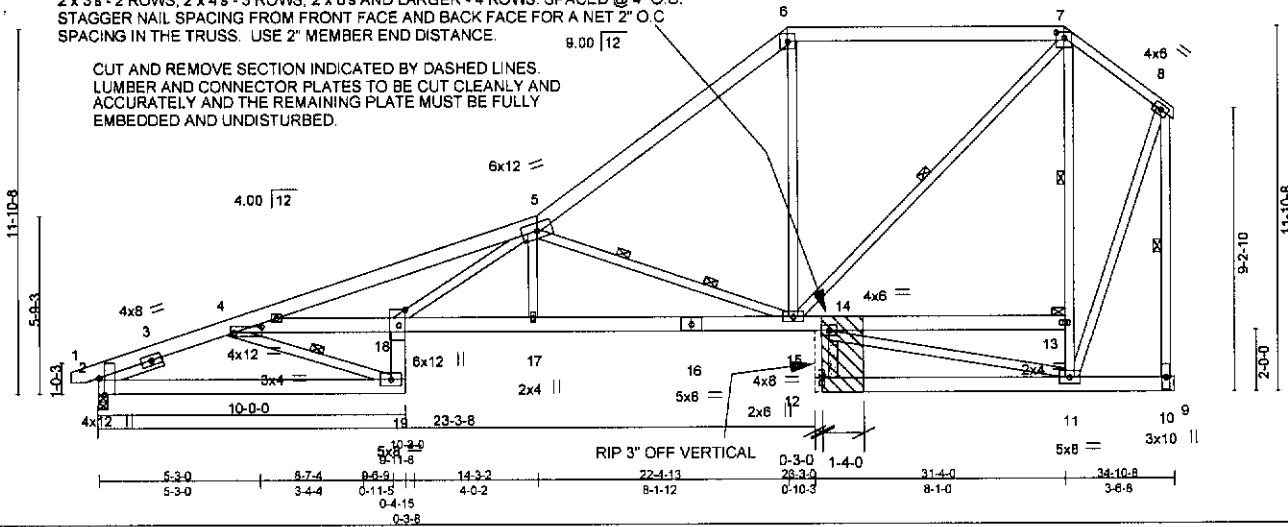


Plate Offsets (X,Y): [2:0-6-6,Edge], [4:0-10-11,0-2-6], [7:0-3-0-0-2-2], [18:0-6-0,0-2-7]

| LOADING (psf) | SPACING | 2-0-0 | CSI | DEFL | in (loc) | l/defl | L/d | PLATES | GRIP |
|---------------|----------------------|-------|----------|----------|----------|--------|------|----------------|----------|
| TCLL 20.0 | Plates Increase | 1.15 | TC 0.88 | Vert(LL) | -0.30 | 17-18 | >999 | MT20 | 244/190 |
| TCDL 10.0 | Lumber Increase | 1.15 | BC 0.53 | Vert(TL) | -0.74 | 17-18 | >559 | | |
| BCLL 0.0 * | Rep Stress Incr | YES | WB 0.91 | Horz(TL) | 0.31 | 10 | n/a | | |
| BCDL 10.0 | Code IRC2009/TPI2007 | | (Matrix) | Wind(LL) | 0.36 | 17-18 | >999 | Weight: 333 lb | FT = 20% |

LUMBER

TOP CHORD 2x6 SP No.1 *Except*
 7-8: 2x4 SP No.1
 BOT CHORD 2x6 SP No.1 *Except*
 4-16,13-16: 2x6 SP 2400F 2.0E
 WEBS 2x4 SP No.3
 SLIDER Left 2x4 SP No.3 2-2-6

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-8-9 oc bracing.
 WEBS 1 Row at midpt 8-10, 7-15, 4-19, 7-13
 2 Rows at 1/3 pts 5-15
 JOINTS 1 Brace at Jt(s): 13

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

REACTIONS (lb/size) 2=1432/0-3-8 (min. 0-1-11), 10=1509/Mechanical
 Max Horz 2=375(LC 5)
 Max Uplift 2=276(LC 4), 10=230(LC 5)

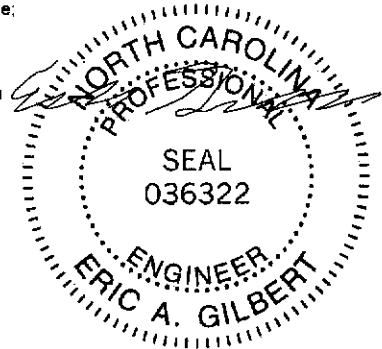
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-17/0, 2-4=-2831/754, 4-5=-5217/1524, 5-6=-1641/494, 6-7=-1206/508, 7-8=-511/199, 8-10=-1428/453
 BOT CHORD 2-18=-1021/2524, 18-19=-302/906, 4-18=1574/4493, 17-18=-1268/3670, 15-17=-1267/3657, 14-15=-113/394,
 13-14=-8/20, 12-14=0/152, 11-12=-5/73, 10-11=-2/3, 9-10=0/0
 WEBS 5-17=0/415, 5-15=-2644/930, 11-14=-103/317, 8-15=-11/480, 7-15=-424/1195, 4-19=-2299/994, 11-13=-963/410,
 7-13=-963/409, 8-11=-320/1143, 5-18=-492/1472

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 110mph; TCDL=6.0psf, BCDL=5.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Interior(1) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * 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.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 276 lb uplift at joint 2 and 230 lb uplift at joint 10.
- 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard



March 16, 2015

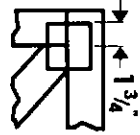
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 rev. 1/29/2014 BEFORE USE.
 Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters 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, 261 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



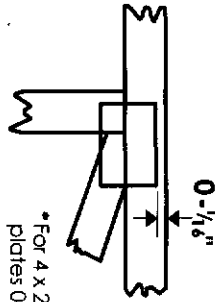
818 Soundside Road
 Edenton, NC 27932

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 0-¹/₁₆" 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

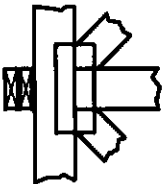
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



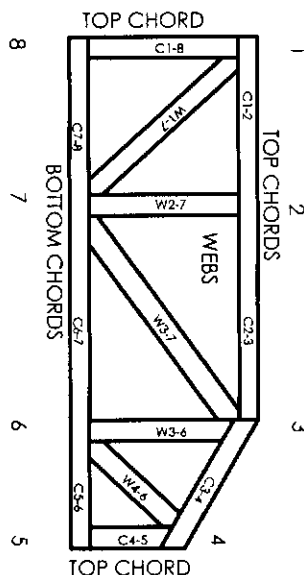
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP11: National Design Specification for Metal Plate Connected Wood Truss Construction.
 BSA-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, ESR-1988
 ER-3907, ESR-2362, ESR-1397, ESR-3282

Southern Pine Lumber designations are as follows:

SPF represents values as published by AWC in the 2005/2012 NDS
 SP represents AISC approved/new values with effective date of June 1, 2013

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MITek Engineering Reference Sheet: MIL7 473 rev. 01/29/2013

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 L 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/TP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP 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 the 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/TP 1 Quality Criteria.