

ADDRESS : 68 CLARENDON CT
 CONTRACTOR : COMFORT HOMES INC
 OWNER : COMFORT HOMES INC
 PARCEL : 04-0692- - -0017- -49-
 APPL NUMBER: 17-50041742 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 06/30/2017 03:37 PM BPETRICH --
 68 CLARENDON COURT ANGIER 27501
 OXFORD WOODS #30
 NC 210 N - RIGHT ON BENSON ROAD - RIGHT
 ON OLD STAGE - SUBDIVISION ON RIGHT
 T/S: 08/18/2017 10:17 AM JBROCK ----
 PREMISE # 53321230

SUBDIV: OXFORD WOODS PH 2 15LOTS
 PHONE : (919) 553-3242
 PHONE :

STRUCTURE: 000 000 77X36 3BD 2BA CRAWL W/GARAGE W/DECK

FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 3.00
 SEPTIC - EXISTING? : NEW TANK

PROPOSED USE : SFD
 WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	8/17/17 8/21/17	SB AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003013638 68 CLARENDON CT ANGIER 27501 T/S: 08/21/2017 10:36 AM SBENNETT -----
B101 01	8/17/17 8/17/17	DT AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 003013646 T/S: 08/16/2017 01:26 PM JBROCK ----- T/S: 08/17/2017 03:31 PM DETAYLOR -----
B103 01	9/19/17 9/19/17	DT AP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003026788 T/S: 09/18/2017 01:41 PM JBROCK ----- T/S: 09/19/2017 12:21 PM DETAYLOR -----
B105 01	10/05/17 10/05/17	DT AP	R*OPEN FLOOR TIME: 17:00 VRU #: 003033651 T/S: 10/03/2017 01:22 PM BPETRICH ----- T/S: 10/05/2017 02:44 PM DETAYLOR -----
R425 01	10/23/17 10/23/17	KS DA	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003042074 T/S: 10/19/2017 01:44 PM BPETRICH ----- T/S: 10/23/2017 03:02 PM KSLATTUM ----- 1. Trusses A03 and A08 missing bracing. 2. Girder truss D03 missing uplift on exterior wall end. 3 Gable end truss over dinning area calls for continuous support for bottom chord. Need truss engineers OK for current use. 4. Need truss engineers OK for adding fflat ceiling instead of tray for E02 trusses. OK to side and insulate.
I129 01	10/25/17 <u>10/25/17</u>	TI <u>AP DT</u>	R*INSULATION INSPECTION TIME: 17:00 VRU #: 003043700 T/S: 10/24/2017 11:39 AM BPETRICH -----
R425 02	10/25/17 <u>10/25/17</u>	TI <u>AP DT</u>	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003043692 T/S: 10/24/2017 11:39 AM BPETRICH -----

COMMENTS AND NOTES

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: REPAIR_TRAY

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Stock Building Supply-Monroe, NC.

Pages or sheets covered by this seal: T12340166 thru T12340166

My license renewal date for the state of North Carolina is December 31, 2017.

North Carolina COA: C-0844



October 24, 2017

Albani, Thomas

IMPORTANT NOTE: Truss Engineer's responsibility is solely for design of individual trusses based upon design parameters shown on referenced truss drawings. Parameters have not been verified as appropriate for any use. Any location identification specified is for file reference only and has not been used in preparing design. Suitability of truss designs for any particular building is the responsibility of the building designer, not the Truss Engineer, per ANSI/TPI-1, Chapter 2.

Scale = 1:30.0

APPLY 2 X 4 x 12-5-0 SP NO 2 SCAB TO ONE FACE OF TRUSS
 ATTACH WITH 2 ROWS OF 10d NAILS @ 13" X 3"
 SPACED @ 3" O.C. USE 2" MEMBER END DISTANCE

REPAIR TO FORM FLAT CEILING.

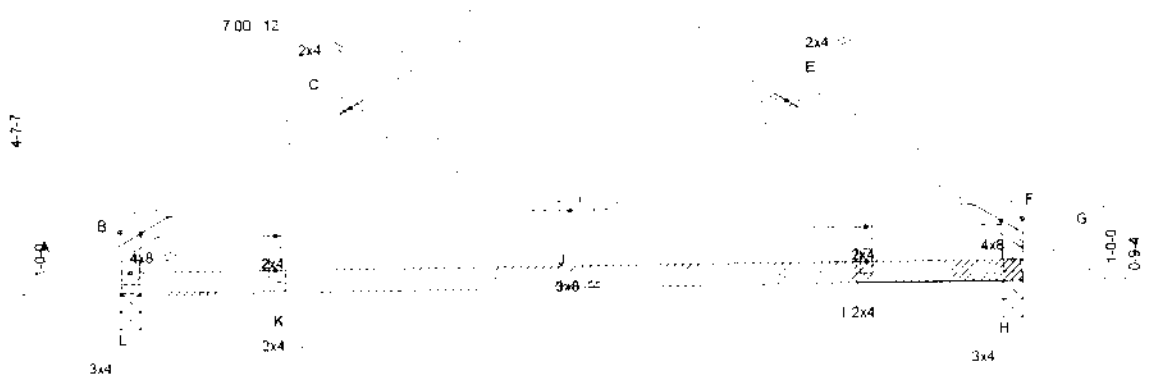


Plate Offsets (X,Y)-- [B:0-2-14,0-2-0] [F:0-2-14,0-2-0]

LOADING (psf)	SPACING	2-0-0
TCLL 20.0	Plate Grip DOL	1.00
TCDL 10.0	Lumber DOL	1.15
BCLL 0.0	Rep Stress Incr	YES
BCDL 10.0	Code IRC2009/TPI2007	

CSI	DEFL	in (loc)	l/defl	L/d
TC 0.23	Vert(LL)	0.08	I > 999	240
BC 0.30	Vert(TL)	0.20	I > 715	180
WB 0.09	Horz(TL)	0.09	H	n/a
Matrix-MS				

PLATES	GRIP
MT20	244/190
Weight 67 lb	FT = 20%

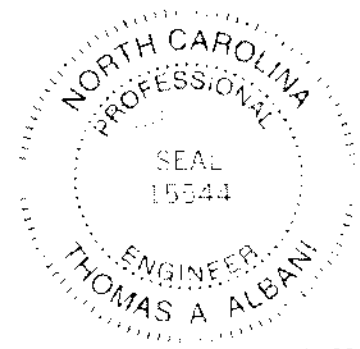
LUMBER-
 TOP CHORD 2x4 SP 1650F 1.5E or 2x4 SP No 1 or 2x4 SP SS
 BOT CHORD 2x4 SP 1650F 1.5E or 2x4 SP No 1 or 2x4 SP SS
 WEBS 2x4 SP No 2

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

REACTIONS. (lb/size) L=592/0-3-8, H=592/0-3-8
 Max Horz L=-165(LC 5)
 Max Uplift L=-133(LC 7), H=133(LC 8)

FORCES. (lb) - Max Comp/Max Ten - All forces 250 (lb) or less except when shown
 TOP CHORD B-C=-765/196, C-D=-571/147, D-E=-571/147, E-F=-765/196, B-L=-549/191
 BOT CHORD B-J=120/642, F-J=51/642
 WEBS D-J=-32/403

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind ASCE 7-05 110mph: TCDL=6.0psf, BCDL=6.0psf, h=30ft. Cat II Exp B, enclosed, MWFRS (low-rise) gable end zone and C-C Exterior(2) 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=1.33
 - This truss has been designed for basic load combinations which include cases with reductions for multiple concurrent live loads
 - 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 20.0 psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) L=133 H=133



October 24, 2017

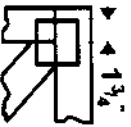
WARNING - verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown and is for an individual building component, not a truss system. Before use the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability, and to prevent collapse, with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSUTP1 Quality Criteria, DSB-89 and BCS1 Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



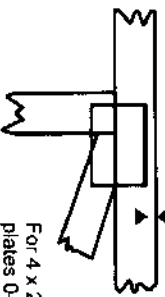
318 Soundside Road
 Edenton, NC 27932

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- 1/4" from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MITek 20120 software or upon request.

PLATE SIZE

4 X 4

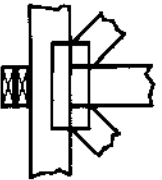
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

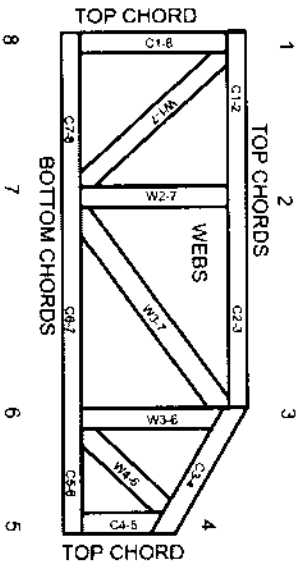
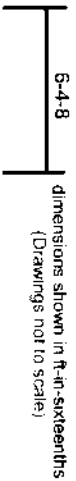


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

- ANSI/TPI1: 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



JOINTS ARE GENERALLY NUMBERED 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, ESR1988
- ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, a 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 Top L 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. Plate: plates on each face of truss at each joint and embed fully. Knots and wane 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 pulins 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, works and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

