ADDRESS . : 3509 JOHNSTON COUNTY RD SUBDIV:
CONTRACTOR : PHONE :
OWNER . . : NARANJO-DIAZ JORGE & GARCIA PHONE :
PARCEL . . : 07-1603- - -0020- -01-
APPL NUMBER: 15-50035660 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 03/10/2015 03:47 PM JBROCK ----
NC 210 R ON PEARODGE RD CONT ONTO PINEY
GROVE RD R ON JOHNSTON COUNTY RD R ON
BENJAMIN LN

STRUCTURE: 000 000 55X59 5BDR CRAWL W/ GARAGE
FLOOD ZONE . . . . : FLOOD ZONE X
BEDROOMS . . . . . : 5000000.00 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	5/08/15	BS	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002656577
	5/08/15	DA	T/S: 05/06/2015 03:48 PM LBENNETT ---------- T/S: May 08, 2015 10:25 AM BSUTTON ---------- 1.Four piers as circled on plan require rebar and deeper footings. No rebar in place 2.Remove all vegitation from inside footings. DO NOT POUR 05/08/2015 BSutton TPOLE is approved...No premise number
B101 02	5/12/15	DT	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002657468
	5/12/15	AP	T/S: 05/12/2015 12:41 PM DETAYLOR ----------
B103 01	5/22/15	DT	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002662526
	7/06/15	AP	T/S: 05/21/2015 09:51 AM LBENNETT ---------- T/S: 07/06/2015 03:55 PM DJOHNSON ----------
A814 01	5/26/15	SB	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002664100
	5/26/15	AP	3509 JOHNSTON COUNTY RD ANGIER 27501 POST # BY LDW T/S: 05/26/2015 11:53 AM SBENNETT ----------
B105 01	6/30/15	DT	R*OPEN FLOOR TIME: 17:00 VRU #: 002680619
	6/30/15	AP	CUSTOMER ASKED FOR OPEN FLOOR & TEMP SERVICE INSPECTION PLEASE NOTE THE LAST INSECPTION HAS NOT BEEN APPROVED IN THE SYSTEM T/S: 06/30/2015 03:17 PM DETAYLOR ----------
R425 01	8/05/15	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002698421
	8/05/15	DA	T/S: 08/03/2015 03:58 PM LBENNETT ---------- T/S: 08/05/2015 11:36 AM DETAYLOR ---------- Plumbing for bathroom in garage is approved
R425 02	8/24/15	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002707099
	8/25/15	DA	T/S: 08/25/2015 10:29 AM DETAYLOR ---------- House not ready for inspection
R425 03	8/26/15	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002708485
	8/26/15	DA	T/S: 08/25/2015 12:36 PM DJOHNSON ---------- T/S: 08/26/2015 12:28 PM DETAYLOR ---------- House still not ready for inspection. Contact Deen at 910.984.4771
R425 04	8/28/15	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002709798
	8/28/15	DA	T/S: 08/28/2015 09:43 AM DETAYLOR ---------- 1. Install, seal all air barriers. Half bath d/s bonus,

---------- CONTINUED ONTO NEXT PAGE ----------

Adam (919) 669-6609

ADDRESS . : 3509 JOHNSTON COUNTY RD SUBDIV:
CONTRACTOR : PHONE :
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PARCEL . . : 07-1603- - -0020- -01-
APPL NUMBER: 15-50035660 CP NEW RESIDENTIAL (SFD)

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
			upstairs bonus, hvac chase in home office closet. 2. Brace, nail, strap, place trusses in accordance with docs. 3. Fireblock half bath under stairs. 4. Fire block hole at top plate between master bedroom and bath.
R425 05	9/01/15 9/1/15	TI	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002711679
			T/S: 08/28/2015 03:16 PM DJOHNSON

COMMENTS AND NOTES

Job	Truss	Truss Type	Qty	Ply	Red Door/Diaz Residence 06-360/Harnett	E8966064
J0215-0986	B1	ATTIC	3	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309 — 7.630 s Jul 28 2015 MiTek Industries, Inc. Fri Aug 28 10:54:23 2015 Page 1

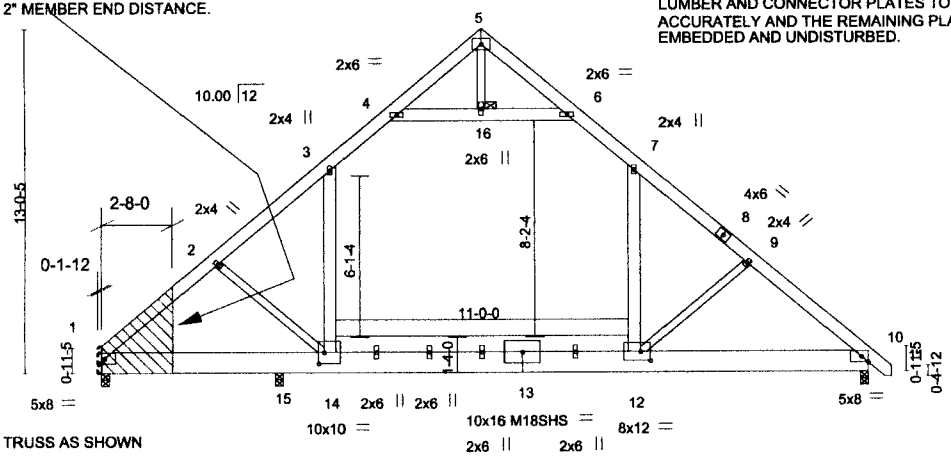
ID:ruhez7BcpP5pvYT29iGg6hzhZIs-Is?UuABMOYzzmP9rHxmE6pRCgdWz7r1OzhaoQ1yjM?U

4-6-5	8-9-4	11-3-7	14-6-0	17-8-9	20-2-12	24-5-11	29-0-0	29-10-8
4-6-5	4-2-15	2-6-3	3-2-9	3-2-9	2-6-3	4-2-15	4-6-5	0-10-8

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 = 1:84.0

CUT AND REMOVE SECTION INDICATED BY DASHED LINES. LUMBER AND CONNECTOR PLATES TO BE CUT CLEANLY AND ACCURATELY AND THE REMAINING PLATE MUST BE FULLY EMBEDDED AND UNDISTURBED.



4-6-5	6-8-8	8-9-4	20-2-12	24-5-11	29-0-0
4-6-5	2-2-3	2-0-12	11-5-8	4-2-15	4-6-5

Plate Offsets (X,Y)-- [1:0-3-1,Edge], [10:0-3-1,Edge], [12:0-4-8,0-4-0], [14:0-2-8,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.15	TC	0.89	Vert(LL)	-0.29	12-14	>924	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.74	Vert(TL)	-0.57	12-14	>466	240	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.03	10	n/a	n/a		
BCDL	10.0	Code IRC2009/TPI2007		(Matrix)		Wind(LL)	0.10	12	>999	240	Weight: 309 lb	FT = 20%

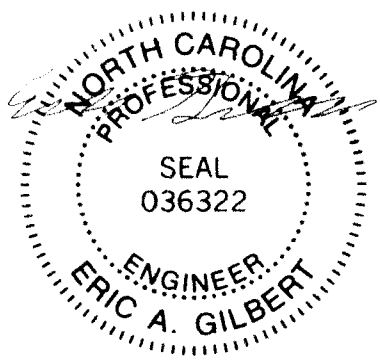
LUMBER-
TOP CHORD 2x6 SP No.1
BOT CHORD 2x10 SP No.1
WEBS 2x6 SP No.1 *Except*
2-14,9-12,5-16: 2x4 SP No.3, 12-14: 2x8 SP No.1

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS. (lb/size) 1=1451/0-3-8, 10=1826/0-3-8, 15=600/0-3-8
Max Horz 1=-350(LC 4)
Max Uplift 15=-167(LC 5)
Max Grav 1=1451(LC 1), 10=1826(LC 1), 15=758(LC 11)

FORCES. (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2339/0, 2-3=-2130/0, 3-4=-1445/102, 4-5=-38/124, 5-6=-69/209, 6-7=-1400/102, 7-8=-2055/0, 8-9=-2208/0, 9-10=-2423/0, 10-11=0/21
BOT CHORD 1-15=0/1666, 14-15=0/1666, 13-14=0/1470, 12-13=0/1470, 10-12=0/1780
WEBS 4-16=-1671/132, 6-16=-1671/132, 3-14=-134/921, 7-12=0/920, 2-14=-261/192, 9-12=-418/187, 5-16=0/106

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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 forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) All plates are MT20 plates unless otherwise indicated.
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.
6) Ceiling dead load (10.0 psf) on member(s). 3-4, 6-7, 4-16, 6-16; Wall dead load (5.0psf) on member(s).3-14, 7-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 167 lb uplift at joint 15.
9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
10) Attic room checked for L/360 deflection.

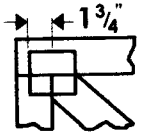


August 28,2015

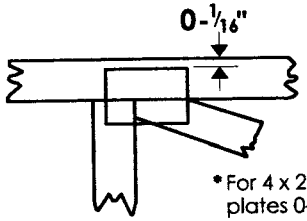
ENGINEERING BY
TRENCO
818 Soundside Road
Edenton, NC 27932

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

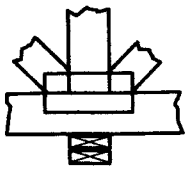
4 x 4

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 I bracing if indicated.

BEARING

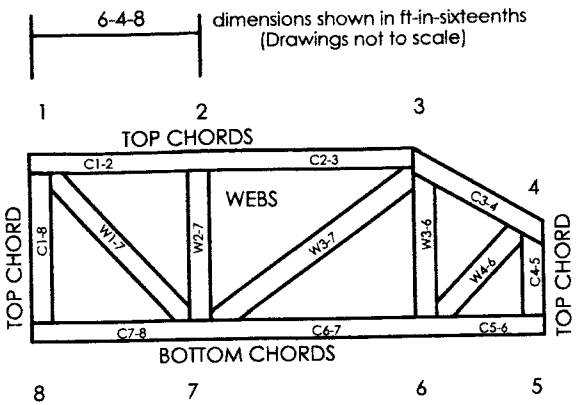


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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/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, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Southern Pine lumber designations are as follows:

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

MiTek

ENGINEERING BY TRENCO

MiTek Engineering Reference Sheet: MII-7473 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 I 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/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 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/TPI 1 Quality Criteria.