

ADDRESS : 14 BROOKVIEW CT SUBDIV:
 CONTRACTOR : LAMCO CUSTOM BUILDERS, LLC PHONE : (919) 859-4190
 OWNER : LAMCO CUSTOM BUILDERS LLC PHONE :
 PARCEL : 04-0672- - -0209- -24-
 APPL NUMBER: 17-50042320 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 09/21/2017 09:34 AM BPETRICH --
 THE CREEK #9
 TAKE 210 TO ANGIER - RIGHT ON 55 - GO 2
 MILES AND TURN RIGHT ON OLD BUIES CREEK
 ROAD - GO 3 MILES AND THE DEVELOPMENT
 IS ON THE RIGHT.
 APPL NOTES : BPMN 12/06/17 T/S: 12/06/2017 10:20 AM BPETRICH --
 PREMISE 01357405
 CALLED IN TEMP SVC 10:27A BP

STRUCTURE: 000 000 48X42 3BD 2BA STEM WALL SLAB W/GARAGE

FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 3.00 PROPOSED USE : SFD
 SEPTIC - EXISTING? : NEW TANK WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	11/08/17 11/08/17	SB AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003050580 14 BROOKVIEW CT ANGIER 27501 T/S: 11/08/2017 10:02 AM SBENNETT -----
B101 01	11/09/17 11/09/17	DT AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 003050598 T/S: 11/08/2017 08:07 AM JBROCK ----- T/S: 11/09/2017 01:00 PM DETAYLOR -----
B103 01	11/21/17 11/21/17	DT AP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003055472 T/S: 11/17/2017 11:55 AM JBROCK ----- T/S: 11/21/2017 02:41 PM DETAYLOR -----
P309 01	12/01/17 12/01/17	DT AP	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 003059490 T/S: 11/29/2017 12:18 PM DJOHNSON ----- T/S: 11/29/2017 02:33 PM BPETRICH ----- T/S: 12/01/2017 12:55 PM DETAYLOR -----
B111 01	12/07/17 12/07/17	DT DA	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 003061132 T/S: 12/01/2017 01:35 PM BPETRICH ----- T/S: 12/04/2017 08:02 AM BPETRICH ----- T/S: 12/04/2017 03:00 PM LLUCAS ----- T/S: 12/05/2017 01:43 PM BPETRICH ----- T/S: 12/07/2017 11:35 AM BPETRICH ----- COMPACTION REQUIRED - MORE THAN 2FT OF FILL REPAIR BREAKS IN STEMWALL ENTIRE SLAB MUST BE COVERED IN PLASTIC
B111 02	12/13/17 12/13/17	DT AP	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 003064011 T/S: 12/07/2017 02:30 PM LLUCAS ----- T/S: 12/11/2017 08:07 AM LLUCAS ----- T/S: 12/11/2017 03:44 PM BPETRICH ----- T/S: 12/13/2017 01:52 PM DETAYLOR -----
R425 01	3/05/18 3/05/18	DT CA	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003095650 T/S: 02/28/2018 03:11 PM BPETRICH ----- T/S: 03/01/2018 03:20 PM LLUCAS ----- T/S: 03/05/2018 02:43 PM BPETRICH -----
R425 02	3/08/18	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003098290

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PHONE :

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
	3/08/18	DA	T/S: 03/06/2018 11:53 AM BPETRICH ----- T/S: 03/07/2018 08:08 AM BPETRICH ----- T/S: 03/08/2018 12:50 PM LLUCAS ----- T/S: 03/15/2018 02:40 PM LLUCAS -----
R425 03	3/16/18	BS	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003102092
	3/16/18	DA	T/S: 03/15/2018 09:24 AM LLUCAS ----- T/S: March 16, 2018 03:31 PM BSUTTON ----- 1.Brace on wrong web at A3A over master bedroom 2. Trusses (3-A2) over front door installed backward. Need engineers repair. 3. Missing roof boots.
R425 04	3/21/18	TI	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003103876
	<u>3/21/18</u>	<u>DA</u>	T/S: 03/20/2018 11:12 AM LLUCAS -----

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

Trenco

818 Soundside Rd
Edenton, NC 27932

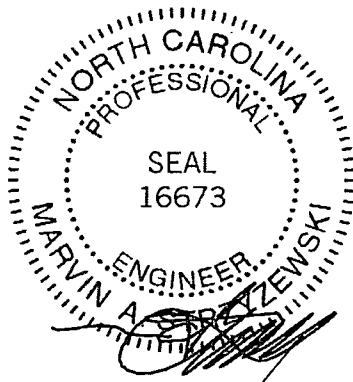
Re: 1273964R

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Builders FirstSource (Albermarle,NC).

Pages or sheets covered by this seal: E11559117 thru E11559117

My license renewal date for the state of North Carolina is December 31, 2018.

North Carolina COA: C-0844



March 19,2018

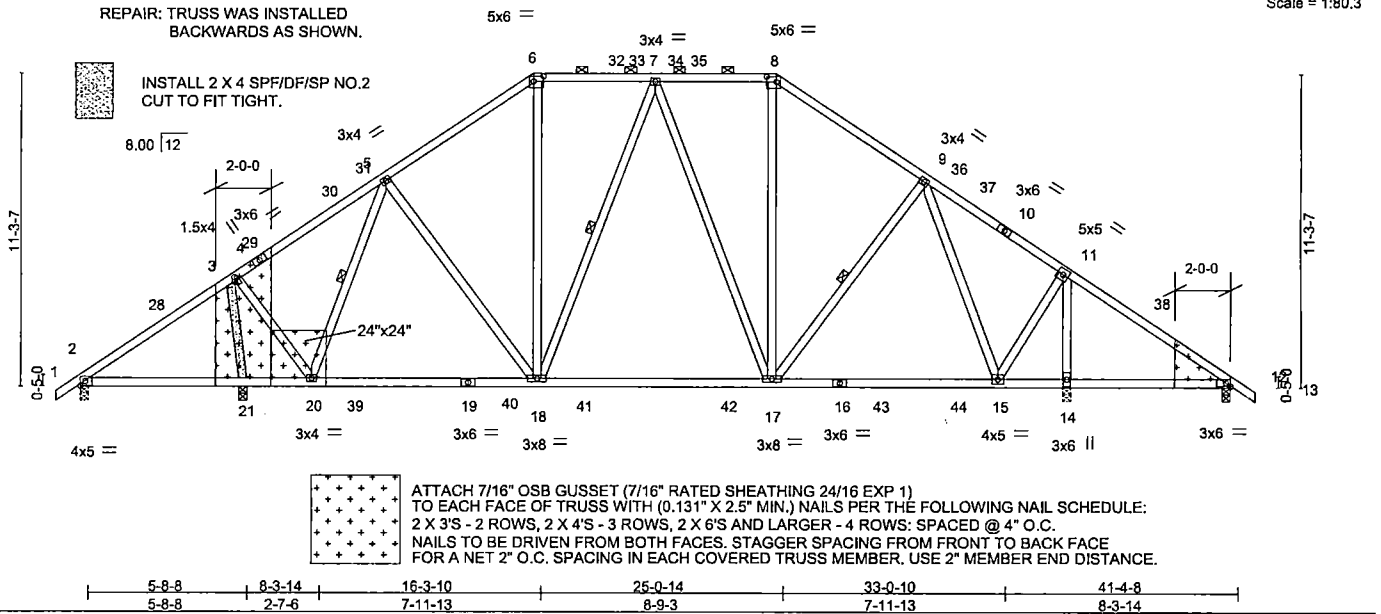
Strzyzewski, Marvin

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.

Job 1273964R	Truss A2	Truss Type PIGGYBACK BASE	Qty 3	Ply 1	Job Reference (optional)	E11559117
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Builders FirstSource, Albemarle, NC 28001

8.210 e Feb 23 2018 MiTek Industries, Inc. Fri Mar 16 17:01:00 2018 Page 1
 ID:hxt2ly?n4M315BAhqvEfbWz_CbA-YqX?kijRnjcnExkbf?cell9xoJXNfg2ismh8hzaJHn
 30-4-11 35-8-9 41-4-8 42-3-0
 0-10-8 5-7-15 10-11-13 16-3-10 20-8-4 25-0-14 30-4-11 35-8-9 41-4-8 42-3-0
 0-10-8 5-7-15 5-3-14 5-3-14 4-4-10 4-4-10 5-3-14 5-3-14 5-7-15 0-10-8



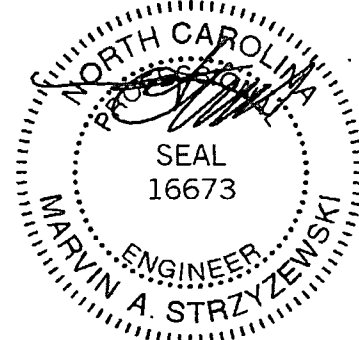
ATTACH 7/16" OSB GUSSET (7/16" RATED SHEATHING 24/16 EXP 1) TO EACH FACE OF TRUSS WITH (0.131" X 2.5" MIN.) NAILS PER THE FOLLOWING NAIL SCHEDULE:
 2 X 3'S - 2 ROWS, 2 X 4'S - 3 ROWS, 2 X 6'S AND LARGER - 4 ROWS; SPACED @ 4" O.C.
 NAILS TO BE DRIVEN FROM BOTH FACES. STAGGER SPACING FROM FRONT TO BACK FACE FOR A NET 2" O.C. SPACING IN EACH COVERED TRUSS MEMBER. USE 2" MEMBER END DISTANCE.

5-8-8	8-3-14	16-3-10	25-0-14	33-0-10	41-4-8
5-8-8	2-7-6	7-11-13	8-9-3	7-11-13	8-3-14

Plate Offsets (X,Y)- [3:0-1-12,0-0-15], [6:0-4-4,0-2-4], [8:0-4-4,0-2-4]						
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP	
TCLL (roof) 20.0	Plate Grip DOL 1.15	TC 0.38	in (loc) l/defl L/d	MT20	244/190	
Snow (Pf/Pg) 20.4/20.0	Lumber DOL 1.15	BC 0.73	Vert(LL) -0.23 17-18 >999 360			
TCDL 10.0	Rep Stress Incr YES	WB 0.86	Vert(TL) -0.39 17-18 >999 240			
BCLL 0.0 *	Code IRC2009/TPI2007	Matrix-AS	Horz(TL) 0.08 12 n/a n/a			
BCDL 10.0			Wind(LL) 0.15 15-17 >999 240			
				Weight: 275 lb	FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.1	TOP CHORD Sheathed, except
BOT CHORD 2x4 SP No.1	2-0-0 oc purlins (5-0-15 max.): 6-8.
WEBS 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied.
REACTIONS. (lb/size) 12=1637/0-3-8, 21=2283/0-3-8	WEBS 1 Row at midpt 5-20, 7-18, 9-17
Max Horz 21=-249(LC 8)	
Max Uplift 12=-377(LC 11), 21=-308(LC 9)	
Max Grav 12=1761(LC 20), 21=2446(LC 20)	
FORCES. (lb) - Maximum Compression/Maximum Tension	
TOP CHORD 1-2=0/29, 2-3=-277/532, 3-5=-765/333, 5-6=-1559/740, 6-7=-1173/664, 7-8=-1441/766, 8-9=-1878/873, 9-11=-2597/1104, 11-12=-2725/1094, 12-13=0/29	
BOT CHORD 2-21=-359/310, 20-21=-654/433, 18-20=-345/975, 17-18=-364/1322, 15-17=-605/1885, 14-15=-803/2202, 12-14=-803/2202	
WEBS 3-20=-726/1844, 5-20=-1307/486, 5-18=-146/465, 6-18=-289/492, 7-18=-532/229, 7-17=-122/341, 8-17=-367/650, 9-17=-763/353, 9-15=-313/521, 11-15=-267/190, 11-14=-56/94, 3-21=-2408/988	

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) and C-C Exterior(2) -0-10-8 to 3-3-2, Interior(1) 3-3-2 to 16-3-10, Exterior(2) 16-3-10 to 30-11-1, Interior(1) 30-11-1 to 42-3-0 zone; cantilever left and right exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - TCCL: ASCE 7-05; Pr=20.0 psf (roof live load; Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=20.4 psf (flat roof snow; Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Partially Exp.; Ct=1.1, Lu=50-0-0; Min. flat roof snow load governs. Rain surcharge applied to all exposed surfaces with slopes less than 0.500/12 in accordance with IBC 1608.3.4.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 15.4 psf on overhangs non-concurrent with other live loads.
 - Provide adequate drainage to prevent water ponding.
 - 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 where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint 12 and 308 lb uplift at joint 21.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord. Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



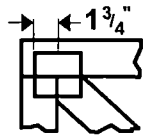
March 19, 2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-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 ANSITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

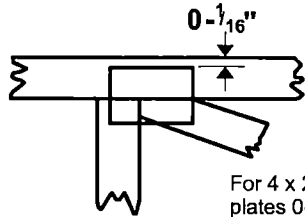
ENGINEERING BY TRENCO
 A MiTek Affiliate
 818 Soundside Road
 Edenton, NC 27932

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.

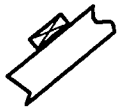
* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

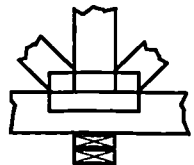
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

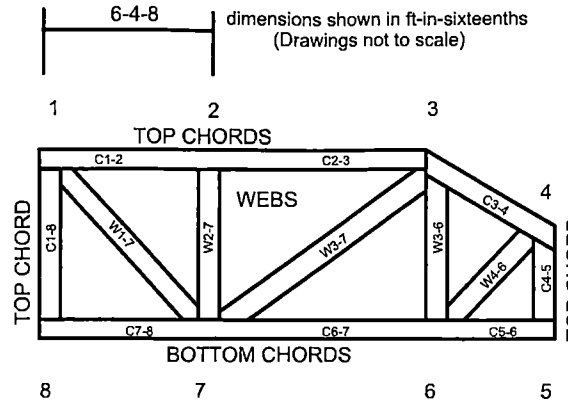


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

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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MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- 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.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.