

ADDRESS : 41 RAINMAKER ST SUBDIV: SWEETWATER 71LOTS
 CONTRACTOR : ATLANTIC CONSTRUCTION PHONE : (910) 938-9053
 OWNER : DIVERSIFIELD INVESTORS INC PHONE :
 PARCEL : 01-0544- - -0004- -33-
 APPL NUMBER: 17-50042844 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 11/30/2017 09:46 AM BPETRICH --
 41 RAINMAKER STREET LINDEN 28356
 SWEETWATER #25

STRUCTURE: 000 000 50X50 4BD 2.5BA SLAB W/GARAGE & FIN BON

FLOOD ZONE : FLOOD ZONE X
 # BATHS : 2.5 # BEDROOMS : 4.00
 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	4/23/18	SB	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003117132
	4/23/18	AP	41 RAINMAKER ST LINDEN 28356 T/S: 04/23/2018 12:24 PM SBENNETT -----
B101 01	4/23/18	JH	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 003117140
	4/23/18	AP	T/S: 04/20/2018 12:20 PM LLUCAS ----- NO T-POLE
B103 01	5/02/18	JH	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003121704
	5/02/18	DP	T/S: 05/01/2018 11:02 AM BPETRICH ----- NOT READY STILL LAYING BLOCK
B103 02	5/04/18	JH	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003122959
	5/04/18	AP	T/S: 05/03/2018 09:59 AM DJOHNSON -----
P309 01	5/11/18	JH	R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 003125853
	5/11/18	AP	T/S: 05/09/2018 01:53 PM JBROCK -----
B104 01	5/14/18	BP	R*FOUND & SETBACK VERIF SURVEY TIME: 17:00 VRU #: 003127651
	5/14/18	AP	T/S: 05/14/2018 02:06 PM BPETRICH ----- T/S: 05/14/2018 02:06 PM BPETRICH -----
B111 01	5/18/18	JH	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 003129319
	5/18/18	AP	T/S: 05/17/2018 12:57 PM DJOHNSON -----
E207 01	6/01/18	JH	R*ELEC TEMP SERVICE POLE TIME: 17:00 VRU #: 003134392
	6/01/18	AP	T/S: 05/31/2018 01:42 PM BPETRICH ----- MOVING TPOLE FROM ADJACENT LOT TO THIS LOT
R425 01	6/20/18	JH	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003142221
	6/20/18	DP	T/S: 06/19/2018 01:59 PM BPETRICH ----- 1) Missing windows on front of house to left of front door & To right of fire box in living room. 2) Fire caulk dryer wire @ top plate in garage. 3) Tighten all loose anchor bolts in garage. 4) Missing anchor bolts each side of door in garage, back left corner of kitchen, back door & front door. 5) Anchor all interior load bearing walls per code. 6) Need engineer letter for trusses not bearing in there hangers in kitchen & front left bedroom. 7) Missing nails in floor truss hangers in kitchen & half bath. 8) Nail & HURRICANE strap all 2ply trusses per truss documents. 9) Nail osb on back wall in master bedroom. 10) Insulation baffles. 11) Fire block top of chase in hall closet. 11) 3' head of water on drain line test. 12) Missin Chase for duct in front left bedroom. 13) Need repair letter

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PHONE :

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
			for broken truss web in front left bedroom.14)Nail house wrap per installation instructions. DO NOT SIDE OR INSULATE
P307 01	<u>7-11-18</u>	TI <i>APJ</i>	R*PLUMB WATER CONNECTION TIME: 17:00 VRU #: 003149887 T/S: 07/09/2018 04:09 PM LLUCAS -----
R425 02	<u>7-11-18</u>	TI <i>APJ</i>	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003149879 T/S: 07/09/2018 04:09 PM LLUCAS -----

COMMENTS AND NOTES

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: 1408707

Atlantic Const.JAX. Christian Plan

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-Loris.

Pages or sheets covered by this seal: I33819564 thru I33819564

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

North Carolina COA: C-0844



June 28, 2018

Sevier, Scott

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 1408707	Truss A02	Truss Type Common	Qty 5	Ply 1	Atlantic Const.JAX, Christian Plan	1 UNIT YF	I33819564
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Builders FirstSource, Loris SC 29569

8.210 s Feb 23 2018 MITEK Industries, Inc. Thu Jun 28 09:45:24 2018 Page 1

ID:2p14j2Vg7BETBnuDa14bNzP6bU-6aMLdBbEJWXki64Zlu15pA46jPr34zlsXul1z1nxx

STUB 2 1/2" FROM THE LEFT END

Scale = 1:68.9

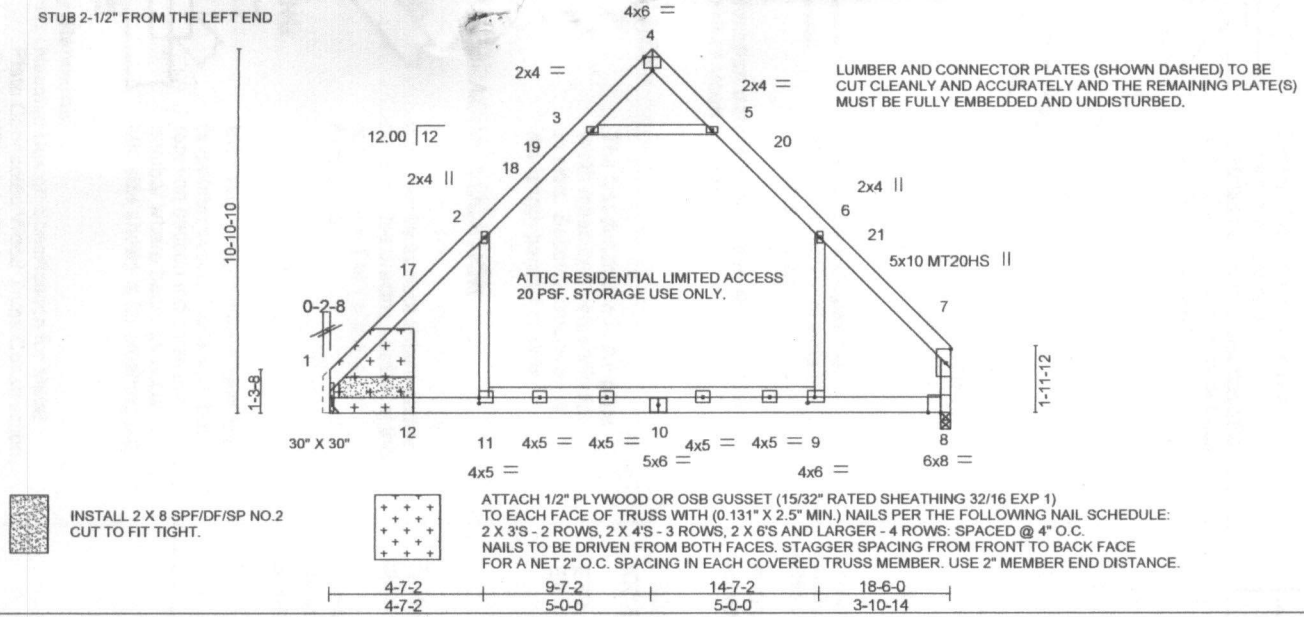


Plate Offsets (X,Y)-	[4:0-3-0,Edge], [8:0-4-8,Edge], [9:0-2-8,0-2-0], [11:0-0-0,0-2-0]				
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.82	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.64	Vert(LL) -0.16 9-11 >999 360	MT20HS	187/143
BCLL 0.0 *	Lumber DOL 1.15	WB 0.32	Vert(TL) -0.34 9-11 >642 240		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(TL) 0.07 1 n/a n/a		
	Code IRC2009/TPJ2007		Wind(LL) 0.19 11 >999 240		
				Weight: 151 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-9-12 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-5-11 oc bracing.
WEBS 2x4 SP No.3 *Except* 7-8: 2x4 SP No.2	

REACTIONS. (lb/size) 1=734/Mechanical, 8=734/0-3-8
 Max Horz 1=381(LC 11)
 Max Uplift 1=-194(LC 12), 8=-188(LC 13)
 Max Grav 1=812(LC 22), 8=836(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-17=-1085/212, 2-17=-952/222, 2-18=-749/270, 18-19=-699/285, 3-19=-656/293,
 5-20=-679/293, 6-20=-773/286, 6-21=-974/203, 7-21=-1093/194, 7-8=-1004/224
 BOT CHORD 1-12=-516/791, 11-12=-108/575, 10-11=-107/576, 9-10=-107/576, 8-9=-107/574
 WEBS 2-11=-63/366, 6-9=-54/379, 3-5=-1082/491

- NOTES-** (10)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 120mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-2-8 to 3-2-8, Interior(1) 3-2-8 to 9-9-10, Exterior(2) 9-9-10 to 12-9-10 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=1.60
 - This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 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 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.
 - Refer to girder(s) for truss to truss connections.
 - Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 1 and 188 lb uplift at joint 8.
 - This manufactured truss is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.



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North Carolina COA: C-0844



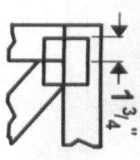
June 26, 2018

Sevier, Scott

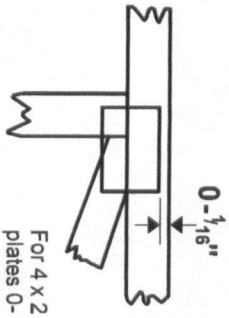
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Symbols

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- $\frac{1}{16}$ " 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

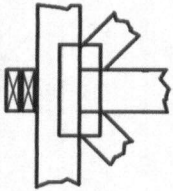
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

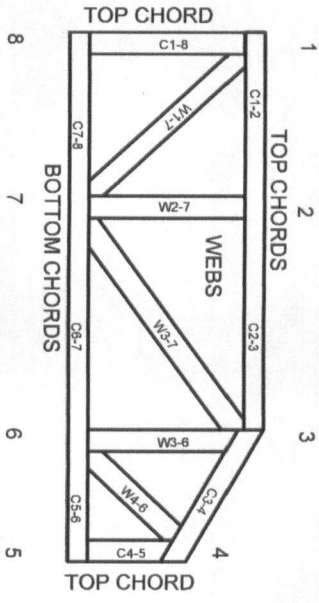
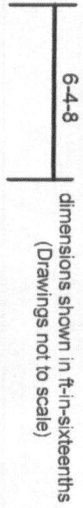


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:
ANSI/TP1: 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/TP1 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, 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 Tor 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 warne at joint locations are regulated by ANSI/TP1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
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/TP1 Quality Criteria.

