ADDRESS . : 134 MEREDITH LN SUBDIV: MEREDITHS STATION 19LOTS
CONTRACTOR : COMFORT HOMES INC PHONE : (919) 553-3242
OWNER . . : PATRIOT STATE BANK PHONE :
PARCEL . . : 08-0654- - -0139- -13-
APPL NUMBER: 14-50033111 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 03/17/2014 11:15 AM VBROWN ----
134 MEREDITH LANE FUQ VAR, MEREDITH
STATION #14.

STRUCTURE: 000 000 49X40 3BDR 2BATH SFD W GAR DECK CRAWL
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
B101 01	4/07/14	BS	R*BLDG FOOTING / TEMP SVC POLE VRU #: 002512025
	4/07/14	AP	T/S: April 07, 2014 10:10 AM BSUTTON
A814 01	4/22/14	TW	ADDRESS CONFIRMATION VRU #: 002518092
	4/22/14	AP	T/S: April 22, 2014 09:40 AM BSUTTON
			T/S: 04/22/2014 10:14 AM TWARD
B103 01	4/22/14	BS	R*BLDG FOUND & TEMP SVC POLE VRU #: 002518083
	4/22/14	AP	T/S: April 22, 2014 10:01 AM BSUTTON
B105 01	5/02/14	BS	R*OPEN FLOOR VRU #: 002522434
	5/02/14	AP	T/S: May 02, 2014 11:41 AM BSUTTON
R425 01	5/16/14	BS	FOUR TRADE ROUGH IN VRU #: 002528544
	5/16/14	DA	T/S: May 16, 2014 10:33 AM BSUTTON
			Two trusses at garage front erected backwards. Need letter from truss company. 2. Master shower drain leaking. Ok to drop test and retest shower drain. 3. Need temepered glass at rear door. 4. Brace deck posts before final. Ok to side/insulate
I129 01	5/20/14	TI	R*INSULATION INSPECTION VRU #: 002529570
	5.20.14	APBS	
R425 02	5/20/14	TI	FOUR TRADE ROUGH IN VRU #: 002529561

COMMENTS AND NOTES

ENGINEERING BY
TRENCO
A MiTek Affiliate

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: Plan--Dalton
ROOF DESIGN INFO

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Capital Area Trusses, Inc..

Pages or sheets covered by this seal: T6317032 thru T6317032

My license renewal date for the state of North Carolina is December 31, 2014.

Lumber design values are in accordance with ANSI/TPI 1-2007 section 6.3
These truss designs rely on lumber values established by others.

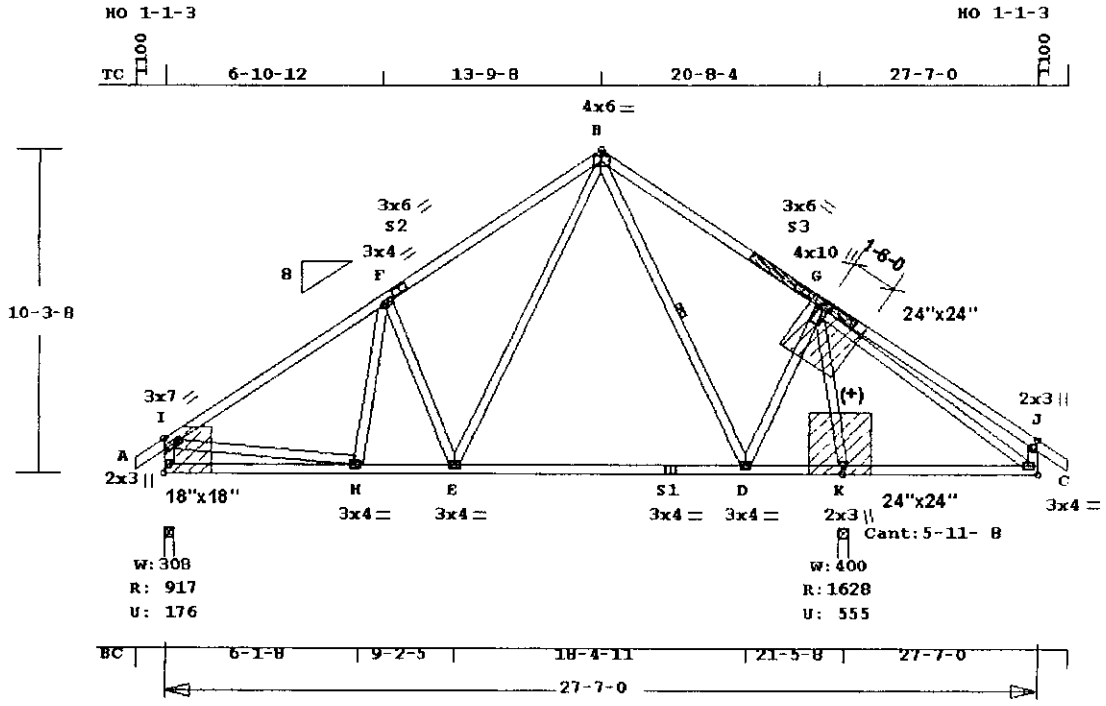
May 19,2014

Albani, Thomas

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.
Engineering services provided by Truss Engineering Company.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
Plan--Dalton	T8	2	FI	270700	8	11- 0	11- 0	T6317032

Order# 03-04 Lot 14 Meredith Station The Dalton — 1 UNIT



ALL PLATES ARE MT2020

Scale: 0.168" = 1'

Online Plus -- Version 30.0.024
RUN DATE: 19-MAY-14

Southern Pine lumber design values are those effective 06-01-13 by SPIB//ALSC UON

	CSI	-Size-	----Lumber----
TC	0.53	2x 4	SP-#1
BC	0.64	2x 4	SP-#1
WB	0.74	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	27- 7- 0
or	48.0"	0- 0- 0	27- 7- 0
BC	Cont.	0- 0- 0	27- 7- 0
or	72.0"	0- 0- 0	27- 7- 0

Continuous Lateral Restraint req'd at mid-point of webs: B -D
Attach CLR with (2)-10d nails at each web.
Refer to BCSI for diagonal restraint requirements.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.15
Plate Duration Factor 1.15

	Fb	Fc	Ft	Emin
TC	1.15	1.10	1.10	1.10
BC	1.10	1.10	1.10	1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	918	177 U	319 R
K	1628	556 U	318 R

Jt	Brg Size	Required
A	3.5"	1.5"
K	4.0"	1.8"

Plus 6 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 BC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd	
		-Top Chords-		
I -F	0.47	902 C	0.00	0.47
F -S2	0.42	916 C	0.00	0.42
S2-B	0.42	805 C	0.00	0.42
B -S3	0.50	249 C	0.00	0.50
S3-G	0.50	361 C	0.00	0.50
G -J	0.53	111 T	0.02	0.51
		-Bottom Chords-		
A -H	0.21	303 T	0.00	0.21
H -E	0.57	785 T	0.11	0.46
E -S1	0.64	381 T	0.05	0.59
S1-D	0.64	381 T	0.05	0.59
D -K	0.47	288 T	0.00	0.47
K -C	0.20	351 C	0.00	0.20
		-Webs-		
A -I	0.09	856 C	WindLd	
I -H	0.19	777 T		
H -F	0.06	112 C		
F -E	0.18	304 C		
E -B	0.44	671 T		
B -D	0.24	434 C	1 Br	
D -G	0.18	767 T		
G -K	0.74	1633 C		
G -C	0.41	449 T		
C -J	0.02	224 C	WindLd	

TL Defl -0.33" in E -D L/754
LL Defl -0.17" in E -D L/999
LL Cant -0.05" in K -C L/999
Shear // Grain in G -J 0.29
= Plate Monitor used
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Capital Area Trusses Inc.
Analysis Conforms To:
IBC/IRC2009
TPI 2007
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 100 mph
Mean Roof Height: 15-0
Exposure Category: C
Occupancy Factor : 1.15
Building Type: Enclosed
Zone location: Exterior

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 228.9 LBS

TC Dead Load : 6.0 psf
BC Dead Load : 6.0 psf
Max comp. force 1633 Lbs
Max tens. force 785 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

REPAIR: TRUSS WAS INSTALLED BACKWARDS AS SHOWN.

(+) INSTALL 2 X 4 SP NO.2 CUT TO FIT TIGHT

ATTACH 7/16" OSB GUSSET (7/16" RATED SHEATHING 24/16 EXP 1) TO EACH FACE OF TRUSS WITH 6d (2" X .113") 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 THE MAIN MEMBER. USE 2" MEMBER END DISTANCE.

APPLY 2X4X4' SP No.1 SCAB TO ONE FACE OF TRUSS CENTERED ON SPLICE. S3. ATTACH WITH 16d (3.5" X 0.162") NAILS PER THE FOLLOWING NAIL SCHEDULE: 2 x 3's - 1 ROW, 2 x 4's - 2 ROWS, 2 x 6'S AND LARGER - 3 ROWS: SPACED @ 4" O.C. USE 3" MEMBER END DISTANCE. 1/2" PLYWOOD SKIM MUST BE USED BEHIND SCAB.

NORTH CAROLINA PROFESSIONAL SEAL 15544 ENGINEER THOMAS A. ALBANI

May 19,2014

ONLINE PLUS GENERAL NOTES & SYMBOLS

108

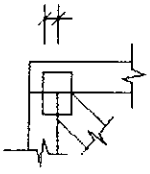
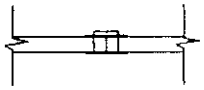


PLATE LOCATION

Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches [i.e. 1 1/2" or 1.5"] or IN-16ths [i.e. 108]

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



[W] = Wide Face Plate
[N] = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing [CLB] for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

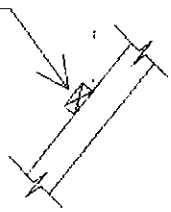
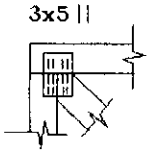


PLATE SIZE AND ORIENTATION

3x5 ||



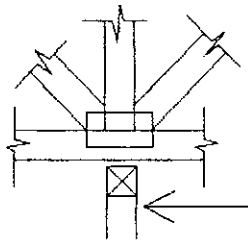
The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX [i.e. 6'-8.5" or 6-08-08]. Dimensions less than one foot are shown in IN-SX only [i.e. 708].

6-08-08

708



W = Actual Bearing Width [IN-SX]
R = Reaction [lbs.]
U = Uplift [lbs.]

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with "National Design Specifications for Wood Construction" (AF & PA), "National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Neither MiTek nor Trenco bear any responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.

MiTek®

ENGINEERING BY
TRENCO
A MiTek Affiliate

818 Soundside Road
Edenton, NC 27932