

ADDRESS : 229 ABLITZD LN
 CONTRACTOR : FREEDOM CONSTRUCTORS OF DUNN
 OWNER : LAMY RICHARD J & REBECCA R
 PARCEL : 07-0692- - -0036- -03-
 APPL NUMBER: 17-50042291 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 09/18/2017 04:02 PM BPETRICH --
 HWY 210 TO ANGIER - RIGHT ON 55 S -
 LEFT ON BENSON ROAD - RIGHT ON YOUNG
 ROAD - RIGHT ON ABLITZD LANE - LOT IS
 ON LEFT SIDE OF CUL-DE-SAC AT THE END
 OF THE ROAD.

SUBDIV: WILLIE S YOUNG ESTATE
 PHONE : (910) 892-1231
 PHONE :

STRUCTURE: 000 000 43X62 3BD 2BA CRAWL W/GARAGE W/PATIO

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

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	12/29/17	DT	R*BLDG FOOTING / TEMP SVC POLE VRU #: 003070982
	12/29/17	AP	T/S: 12/29/2017 01:48 PM DETAYLOR -----
B103 01	1/30/18	DT	R*BLDG FOUND & TEMP SVC POLE VRU #: 003082468
	1/30/18	AP	T/S: 01/30/2018 03:31 PM DETAYLOR -----
A814 01	1/30/18	TW	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003082450
	1/30/18	AP	229 Ablitzd Ln Angier 27501 T/S: 01/30/2018 08:42 AM TWARD -----
R425 01	2/02/18	TI	FOUR TRADE ROUGH IN VRU #: 003084274
	2/01/18	CA	
B105 01	2/02/18	DT	R*OPEN FLOOR TIME: 17:00 VRU #: 003083938
	2/02/18	DA	T/S: 01/31/2018 02:37 PM LLUCAS ----- T/S: 02/02/2018 01:47 PM DETAYLOR ----- No plans
B105 02	2/06/18	DT	R*OPEN FLOOR TIME: 17:00 VRU #: 003085230
	2/06/18	AP	T/S: 02/05/2018 08:32 AM BPETRICH ----- T/S: 02/06/2018 03:32 PM DETAYLOR -----
R425 02	2/28/18	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003094943
	2/28/18	DA	T/S: 02/27/2018 09:20 AM DJOHNSON ----- T/S: 02/28/2018 03:32 PM BPETRICH -----
R425 03	3/06/18	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003097771
	3/06/18	DA	T/S: 03/05/2018 01:57 PM JBROCK ----- T/S: 03/06/2018 01:33 PM DETAYLOR ----- All hanger nails must be replaced with 3 inch Attic catwalk must extend to access hole C2GR truss missing uplift strap on porch side Okay to side and insulate
I129 01	3/08/18	DT	R*INSULATION INSPECTION TIME: 17:00 VRU #: 003099231
	3/08/18	AP	T/S: 03/07/2018 02:09 PM JBROCK ----- T/S: 03/08/2018 12:50 PM LLUCAS -----
R425 04	3/08/18	DT	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003099249
	3/08/18	AP	T/S: 03/07/2018 02:09 PM JBROCK ----- T/S: 03/08/2018 12:50 PM LLUCAS -----
R125 01	3/19/18	TI	ONE TRADE ROUGH IN TIME: 17:00 VRU #: 003102910
	3/19/18	AP DT	T/S: 03/16/2018 02:01 PM LLUCAS ----- TRUSS REPAIR AND ADDED CHIMNEY CHASE AND WANTS YOU TO SEE

ADDRESS . : 229 ABLITZD LN
CONTRACTOR : FREEDOM CONSTRUCTORS OF DUNN
OWNER . . : LAMY RICHARD J & REBECCA R
PARCEL . . : 07-0692- - -0036- -03-
APPL NUMBER: 17-50042291 CP NEW RESIDENTIAL (SFD)

SUBDIV: WILLIE S YOUNG ESTATE
PHONE : (910) 892-1231
PHONE :

REQUESTED INSP DESCRIPTION
TYP/SQ COMPLETED RESULT RESULTS/COMMENTS

IT - WILL HAVE ENGINEERS LETTER ON SITE ...CALL (919)
924-7896 - KEITH IF ANY QUESTIONS - HE SAID HE WANTS TO
MAKE SURE YOU SEE IT IF YOU NEED TO BEFORE HE COVERS
ANYTHING UP.

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

Trenco

818 Soundside Rd
Edenton, NC 27932

Re: J1117-5590
Freedom / Lamy Residence / Harnett

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

Pages or sheets covered by this seal: E11515426 thru E11515426

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

North Carolina COA: C-0844



March 6, 2018

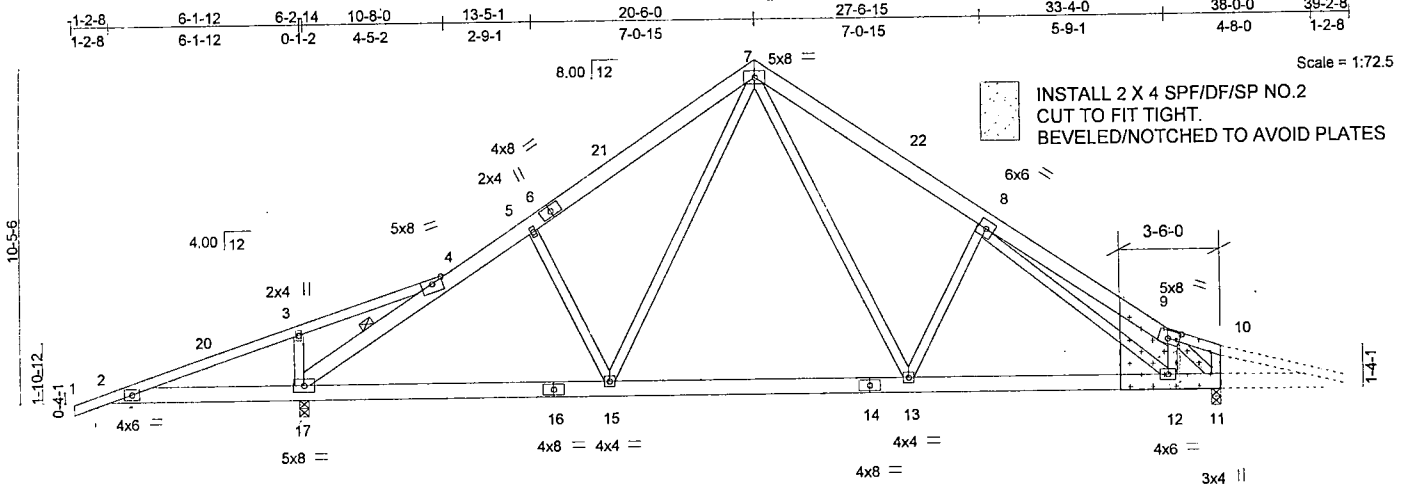
Lassiter, Frank

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.

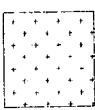
Job J1117-5590	Truss A1	Truss Type ROOF SPECIAL	Qty 3	Ply 1	Freedom / Lamy Residence / Harnett	E11515426
-------------------	-------------	----------------------------	----------	----------	------------------------------------	-----------

Comelech, Inc., Fayetteville, NC 28309, MITEK

8.130 e Oct 7 2017 MiTek Industries, Inc. Tue Mar 6 10:52:13 2018 Page 1
 ID:6?OjmutuLrk7ebaUEBE?ByE44x-lhLGSSWX698QB85FIJNQcRYOpC1JSvowZkkUozdglG



INSTALL 2 X 4 SPF/DF/SP NO.2
 CUT TO FIT TIGHT.
 BEVELED/NOTCHED TO AVOID PLATES



ATTACH 1/2" PLYWOOD OR OSB GUSSET (15/32" RATED SHEATHING 32/16 EXP 1)
 TO EACH FACE OF TRUSS WITH (0.131" X 2.5" MIN.) NAILS PER THE FOLLOWING NAIL SCHEDULE:
 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.

REPAIR: STUB TRUSS
 AS SHOWN.

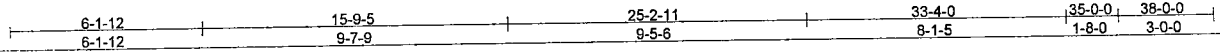


Plate Offsets (X,Y)-- [9:0-4-8,0-3:0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.42	Vert(LL)	-0.16 13-15	>999	360	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.15	BC 0.43	Vert(TL)	-0.25 13-15	>999	240		
BCLL 0.0 *	Lumber DOL 1.15	WB 0.35	Horz(TL)	0.04 11	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-S	Wind(LL)	0.03 13-15	>999	240	Weight: 248 lb	FT = 20%
	Code IRC2009/TP12007							

LUMBER-

TOP CHORD 2x6 SP No.1 *Except*
 1-4,9-10: 2x4 SP No.1
 BOT CHORD 2x6 SP No.1
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-10-1 oc purlins. Excp(PSA)
 1 Row at midpt 4-17
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 6-0-0 oc bracing: 2-17.

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

REACTIONS. (lb/size) 17=1961/0-3-8 (min. 0-2-5), 11=1278/0-3-8 (min. 0-1-8)
 Max Horz 17=273(LC 6)
 Max Uplift 17=332(LC 7), 11=56(LC 8)

FORCES. (lb) - Maximum Compression/Maximum Tension

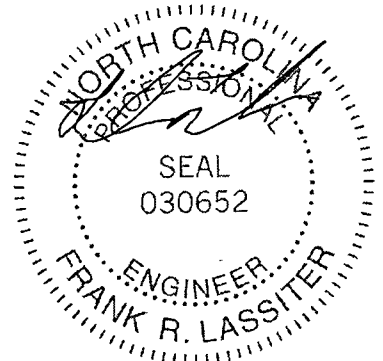
TOP CHORD 1-2=0/25, 2-3=-841/878, 3-4=-762/854, 4-17=-2443/819, 4-5=-1593/175, 5-7=-1503/242, 7-8=-1683/350, 8-9=-1493/268,
 9-10=-8/15
 BOT CHORD 2-17=-779/871, 15-17=-34/1229, 13-15=0/955, 12-13=-130/1439, 11-12=-120/1223
 WEBS 5-15=-163/174, 7-13=-153/815, 8-13=-348/261, 8-12=-314/23, 9-12=0/232, 7-15=-42/547, 3-17=-363/184, 10-11=-38/20,
 9-11=-1690/165

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) 1-2-2 to 3-2-5, Interior(1) 3-2-5 to 20-6-0, Exterior(2) 20-6-0 to 24-10-13, Interior(1) 33-4-0 to 34-10-4 zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- N/A
- 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 with a clearance greater than 6-0-0 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 332 lb uplift at joint 17 and 56 lb uplift at joint 11.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S)

- Dead + Roof Live (balanced) + Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-7=-60, 7-9=-60, 9-10=-60, 2-15=-20, 13-15=-60, 11-13=-20
- Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-20, 4-7=-20, 7-9=-20, 9-10=-20, 2-11=-40



March 6, 2018

Continued on page 2

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.



818 Soundside Road
 Edenton, NC 27932

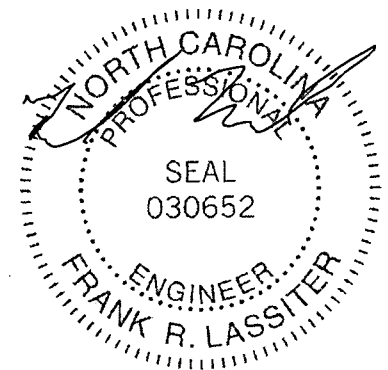
Job	Truss	Truss Type	Qty	Ply	Freedom / Lamy Residence / Hamett	E11515426
J1117-5590	A1	ROOF SPECIAL	3	1	Job Reference (optional)	

Comtech, Inc., Fayetteville, NC 28309, MITEK

8.130 e Oct 7 2017 MiTek Industries, Inc. Tue Mar 6 10:52:14 2018 Page 2
 ID:6?OjmutuLrk7ebaUEBE?ByE44x-mtvefoX9tSGGplfRr1uf9fCjmCYG2v8x9DUi0EzdgIf

LOAD CASE(S)

- 3) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=69, 2-20=39, 4-20=24, 4-7=24, 7-22=32, 9-22=24, 9-10=24, 2-17=31, 11-17=-12
 Horz: 1-2=-81, 2-20=-51, 4-20=-36, 4-7=-36, 7-22=44, 9-22=36, 9-10=36
- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=18, 2-4=24, 4-21=24, 7-21=32, 7-9=24, 9-10=39, 2-17=31, 11-17=-12
 Horz: 1-2=-30, 2-4=-36, 4-21=-36, 7-21=-44, 7-9=36, 9-10=51
- 5) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=48, 2-4=26, 4-7=-13, 7-9=15, 9-10=16, 2-17=18, 11-17=-12
 Horz: 1-2=-60, 2-4=-38, 4-7=1, 7-9=27, 9-10=28
- 6) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=8, 2-4=16, 4-7=15, 7-9=-13, 9-10=26, 2-11=-12
 Horz: 1-2=-20, 2-4=-28, 4-7=-27, 7-9=-1, 9-10=38
- 7) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=39, 2-4=20, 4-7=20, 7-9=8, 9-10=8, 2-17=13, 11-17=-12
 Horz: 1-2=-51, 2-4=-32, 4-7=-32, 7-9=20, 9-10=20
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=2, 2-4=8, 4-7=8, 7-9=20, 9-10=20, 2-11=-12
 Horz: 1-2=-14, 2-4=-20, 4-7=-20, 7-9=32, 9-10=32
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=39, 2-4=20, 4-7=20, 7-9=8, 9-10=8, 2-17=13, 11-17=-12
 Horz: 1-2=-51, 2-4=-32, 4-7=-32, 7-9=20, 9-10=20
- 10) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60
 Uniform Loads (plf)
 Vert: 1-2=2, 2-4=8, 4-7=8, 7-9=20, 9-10=20, 2-11=-12
 Horz: 1-2=-14, 2-4=-20, 4-7=-20, 7-9=32, 9-10=32
- 11) 1st Dead + Roof Live (unbalanced) + Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-60, 4-7=-60, 7-9=-20, 9-10=-20, 2-15=-20, 13-15=-60, 11-13=-20
- 12) 2nd Dead + Roof Live (unbalanced) + Uninhab. Attic Storage: Lumber Increase=1.15, Plate Increase=1.15
 Uniform Loads (plf)
 Vert: 1-4=-20, 4-7=-20, 7-9=-60, 9-10=-60, 2-15=-20, 13-15=-60, 11-13=-20



March 6, 2018

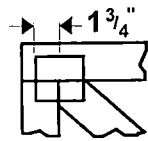
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before 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 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



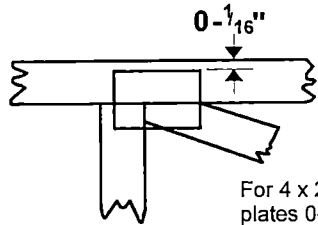
818 Soundside Road
 Edenton, NC 27932

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.

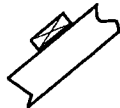
* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

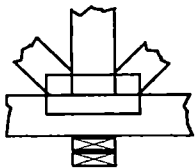
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

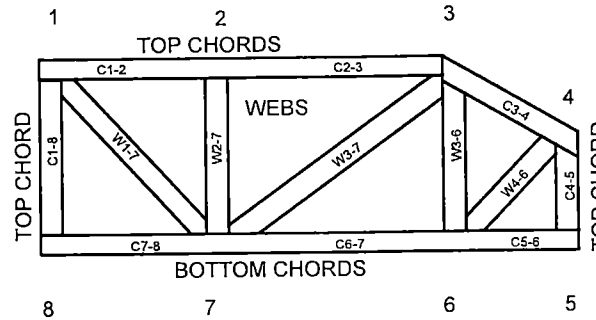
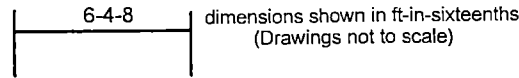


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.

© 2012 MiTek® All Rights Reserved



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

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 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.