

ADDRESS . : 642 PINEVALLEY LN
CONTRACTOR : CUMBERLAND HOMES INC
OWNER . . : SILVERADO HOMES, LLC #252
PARCEL . . : 03-9587-14- -0020- -11-
APPL NUMBER: 07-50018052 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : CRESTVIEW ESTATES #252-27W LEFT ON
BUFFALO LAKES RD LEFT INTO S/D ON
CRESTHAVEN DR LEFT ON PINEVALLEY LN LOT
RT. JD

SUBDIV: CRESTVIEW PH 5 15 LOTS
PHONE : (910) 892-4345
PHONE :

STRUCTURE: 000 000 52X31 3BR W/GARAGE & DECK
FLOOD ZONE : FLOOD ZONE X

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	9/17/07 <u>9-17-7</u>	AP	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001486851

COMMENTS AND NOTES

FS

ADDRESS . . : 642 PINEVALLEY LN
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B101 01	9/17/07 9/17/07	FS AP	R*BLDG FOOTING / TEMP SVC POLE VRU #: 001486851
A814 01	10/02/07	TI	ADDRESS CONFIRMATION VRU #: 001497361
B103 01	10/02/07	TI <i>AP-ML</i>	R*BLDG FOUND & TEMP SVC POLE VRU #: 001497353

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B103 01	10/02/07 10/02/07	MR AP	R*BLDG FOUND & TEMP SVC POLE VRU #: 001497353
A814 01	10/02/07 10/02/07	TI AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001497361 642 Pinevalley Ln
B105 01	10/19/07 10/19/07	MR AP	R*OPEN FLOOR VRU #: 001507268
R425 01	11/14/07 11/14/07	MR DA	FOUR TRADE ROUGH IN VRU #: 001520006 1. fireblock in dining room 2. rodent proof at 3" dwv riser 3. toilet upstairs to be 15" off wall 4. no baffles 5. handrail over access hole?
R425 02	11/19/07	TI <i>AP-NR</i>	FOUR TRADE ROUGH IN VRU #: 001521707

COMMENTS AND NOTES

*Rec'd.
Letter on Truss Repair (F-4)
under table*



Trenco
818 Soundside Rd
Edenton, NC 27832

Re: J75394
Silverado Homes / Lot 252 Crestview

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: E4520573 thru E4520573
My license renewal date for the state of North Carolina is December 31, 2007.



November 16, 2007

Fowler, Shane

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-2002 Chapter 2. Engineering services provided by Truss Engineering Company.

JOB	TRUSS	Truss Type	Qty	Ply	Silverdale Homes / Lot 262 Crestview	E4420573
J75324	F1	FLOOR	6	1	Job Reference (optional)	
Contact Inc, PO Box 40404, D10-884-4787					7,023 Nov 9 2007 Mittek Industries, Inc. Thu Nov 15 14:28:58 2007 Page 1	

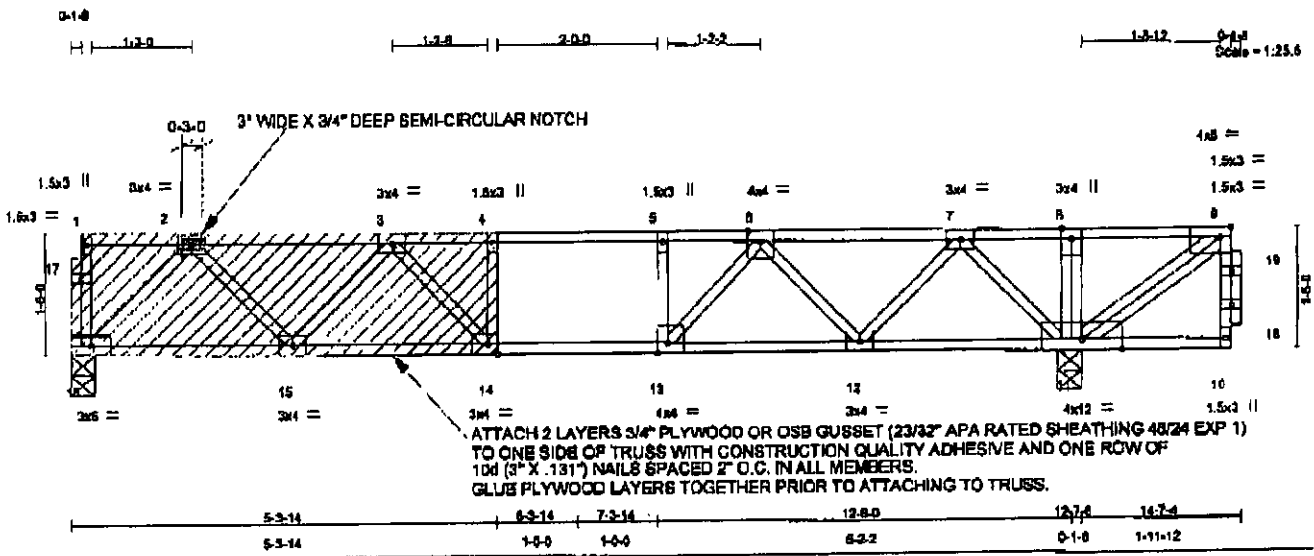


Plate Offsets (X, Y): (0:0-1-6 Edge), (13:0-1-6 Edge), (14:0-1-6 Edge)		CS1		DEFL		PLATES		GRIP	
LOADING (psf)	SPACING	TC	0.73	In (loc)	1/2in	L/4	MT20	244/190	
TCLL 40.0	Plate Increase 1.00	BC	0.70	Vert(LL)	0.14 12-13 >899	480			
TCDL 10.0	Lumber Increase 1.00	WB	0.43	Vert(TL)	-0.19 14-15 >776	360			
BCLL 0.0	Rep Stress Iner NO	(Main)		Horz(TL)	0.01 11 n/a	n/a			
BCLD 5.0	Code IRC2003/TP12002								Weight: 64 lb

LUMBER
 TOP CHORD 4 X 2 SYP SS
 BOT CHORD 4 X 2 SYP No.1
 WEBS 4 X 2 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6 0 0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-0-0 oc bracing.

REACTIONS (lb/ft) 16=414/0-3-8, 11=2728/0-3-8
 Max Grav 16=603(LC 2), 11=2728(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 16-17=42/0, 1-17=42/0, 10-18=4/8, 18-19=4/8, 9-19=4/8, 1-2=2/0, 2-3=571/0, 3-4=-1185/46, 4-5=-1185/46,
 5-6=-1185/46, 6-7=-487/1280, 7-8=0/2297, 8-9=0/2297
 BOT CHORD 15-16=0/582, 14-15=0/1138, 13-14=46/1185, 12-13=-758/904, 11-12=-1742/66, 10-11=0/0
 WEBS 4-14=163/267, 5-13=-556/0, 6-11=-178/0, 2-16=-793/0, 2-15=0/480, 3-15=-397/26, 3-14=-801/247, 7-11=-1200/0,
 7-12=0/853, 8-12=-918/0, 8-13=0/1040, 9-11=-2627/0

- NOTES** (8)
- Unbalanced floor live loads have been considered for this design.
 - This truss is designed in accordance with the 2003 International Residential Code sections R502.11.1 and R502.10.2 and referenced standard ANS/TP1 1.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-18d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION. Do not erect truss backwards.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s). The design/selection of such connection device(s) is the responsibility of others.
 - HARNETT COUNTY, NORTH CAROLINA

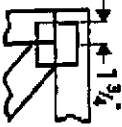
LOAD CASE(S) Standard
 1) Floor Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (psf)
 Vert: 10-16=10, 1-9=100
 Concentrated Loads (lb)
 Vert: 9=1578



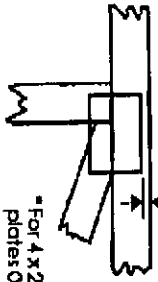
<p>WARNINGS - Verify design parameters and READ NOTES ON THIS AND INCLUDED NOTES REFERENCE PAGES AND TO EXPOSE USE. Design valid for use only with Mittek connection. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web member only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer for general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANS/TP11 Quality Criteria, 631-41 and 85311 Building Component Safety Information available from Truss Plate Institute, 583 O'Connell Drive, Madison, WI 53719.</p>	<p>Manufactured by TRENCO A Mittek Alliance 814 Sandhills Road Eden, NC 27228</p>
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Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless X, Y offsets are indicated. Dimensions are in 1/4-inch increments. Apply plates to both sides of truss and fully embed teeth.



* For 4 x 2 orientation, locate plates 0-1/2" from outside edge of truss.



* This symbol indicates the required direction of slots in connector plates.

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

PLATE SIZE

4 X 4

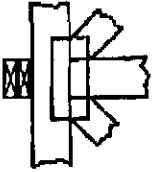
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use L, I or Eliminator bracing if indicated.

BEARING



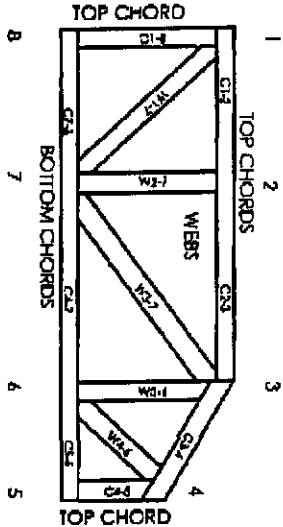
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

- ANSI/TPI 1: National Design Specification for Metal Plate-Connected Wood Truss Construction.
- DSB-89: Design Standard for Bracing.
- BCS11: Building Component Safety Information, Guide to Good Practices for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-B dimensions shown in 1/4-inch increments (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FAREST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

KCCES Reports:

- ESR-1311, ESR-1352, ER-5243, 9404B
- 9730, 95-43, 96-31, 9667A
- NER-497, NER-561
- 95110, 94-32, 96-67, ER-3907, 9432A

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Mittek Engineering Reference Street, NH-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional lateral bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Truss bracing must be designed by an engineer. For wide truss spacing, structural engineer spaces themselves may require bracing or alternative L, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stock materials on inadequately braced trusses.
4. Provide copies of the truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear flightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane of 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 15% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Consider a non-structural consideration and is the responsibility of truss fabricator. General practice is to number 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 punfs 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 node without prior approval of an engineer.
17. Lateral and load verification 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 the design (front, back, chords and gables) before use. Reversing parameters alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1, Quality Criteria.

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B103 01	10/02/07 10/02/07	MR AP	R*BLDG FOUND & TEMP SVC POLE VRU #: 001497353
A814 01	10/02/07 10/02/07	TI AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001497361 642 Pinevalley Ln
B105 01	10/19/07	TI	R*OPEN FLOOR VRU #: 001507268

AP-MR

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3850 - Vik Kieth

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BEDROOMS : 3.00

PROPOSED USE : SFD

SEPTIC - EXISTING? : NEW

PERMIT: CPSF 00 CP * SFD

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A814 01	10/02/07	TI	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001497361
	10/02/07	AP	642 Pinevalley Ln
B105 01	10/19/07	MR	R*OPEN FLOOR VRU #: 001507268
	10/19/07	AP	
R425 01	11/14/07	TI	FOUR TRADE ROUGH IN VRU #: 001520006

DA-MB

COMMENTS AND NOTES

Fireblock Dining/Garage wall
handrail to banns?
Radent Proof fl
Toilet
Baffles

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	10/19/07	AP	
R425 01	11/14/07	MR	FOUR TRADE ROUGH IN VRU #: 001520006
	11/14/07	DA	1. fireblock in dining room 2. rodent proof at 3" dwv riser 3. toilet upstairs to be 15" off wall 4. no baffles 5. handrail over access hole?
R425 02	11/19/07	MR	FOUR TRADE ROUGH IN VRU #: 001521707
	11/19/07	AP	
I129 01	11/21/07	TI	R*INSULATION INSPECTION VRU #: 001523836

Handwritten signatures and initials:
11/21/07
AP
FS

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	11/19/07	AP	
I129 01	11/21/07	FS	R*INSULATION INSPECTION VRU #: 001523836
	11/21/07	AP	
H824 01	11/29/07	JW	✓ ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001528645
	11/29/07	AP	
R429 01	1/25/08	TI	FOUR TRADE FINAL VRU #: 001552538

Handwritten signature/initials

COMMENTS AND NOTES

