

-----  
ADDRESS : 340 VALLEY OAK DR SUBDIV: FOREST OAKS PH 3 99LOTS  
CONTRACTOR : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
OWNER : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
PARCEL : 01-0536-05- -0028- -40-  
APPL NUMBER: 08-50019665 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : HWY 27 W TO NURSERY RD TURN LEFT ON  
NURSERY RD LEFT ON LEMUEL BLACK RD LEFT  
ON VALLY OAK INTO FOREST OAKS S/D LOT  
153 JB  
-----

STRUCTURE: 000 000 44X54 3BDR  
FLOOD ZONE . . . : FLOOD ZONE X  
-----

PERMIT: CPSF 00 CP \* SFD

| TYP/SQ  | REQUESTED<br>COMPLETED | INSP<br>RESULT | DESCRIPTION<br>RESULTS/COMMENTS                                    |
|---------|------------------------|----------------|--|
| B111 01 | 8/04/08                | MR             | R*BLDG SLAB INSP VRU #: 001654938                                  |
|         | 8/04/08                | DA             | 1. no water in riser<br>2. it should be a plmb under slab in<br>p. |
| P309 01 | 8/05/08                | TI             | R*PLUMB UNDER SLAB VRU #: 001656149                                |

AP-MR

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

ADDRESS : 340 VALLEY OAK DR  
CONTRACTOR : H & H CONSTRUCTORS INC  
OWNER : H & H CONSTRUCTORS INC  
PARCEL : 01-0536-05- -0028- -40-  
APPL NUMBER: 08-50019665 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : HWY 27 W TO NURSERY RD TURN LEFT ON  
NURSERY RD LEFT ON LEMUEL BLACK RD LEFT  
ON VALLY OAK INTO FOREST OAKS S/D LOT  
153 JB

SUBDIV: FOREST OAKS PH 3 99LOTS  
PHONE : (910) 486-4864  
PHONE : (910) 486-4864

STRUCTURE: 000 000 44X54 3BDR  
FLOOD ZONE : FLOOD ZONE X

PERMIT: CPSF 00 CP \* SFD

| TYP/SQ  | REQUESTED<br>COMPLETED | INSP<br>RESULT     | DESCRIPTION<br>RESULTS/COMMENTS   |
|---------|------------------------|--------------------|-----------------------------------|
| B111 01 | 8/04/08                | TI<br><i>DA-MR</i> | R*BLDG SLAB INSP VRU #: 001654938 |

COMMENTS AND NOTES

No water  
Should be  
PL. UG

-----  
ADDRESS : 340 VALLEY OAK DR SUBDIV: FOREST OAKS PH 3 99LOTS  
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ON VALLY OAK INTO FOREST OAKS S/D LOT  
153 JB  
-----

STRUCTURE: 000 000 44X54 3BDR  
FLOOD ZONE . . . : FLOOD ZONE X  
-----

PERMIT: CPSF 00 CP \* SFD

| TYP/SQ  | REQUESTED<br>COMPLETED   | INSP<br>RESULT  | DESCRIPTION<br>RESULTS/COMMENTS   |
|---------|--------------------------|-----------------|---|
| B111 01 | 8/04/08<br>8/04/08       | MR<br>DA        | R*BLDG SLAB INSP VRU #: 001654938<br>1. no water in riser<br>2. it should be a plmb under slab in<br>P. |
| P309 01 | 8/05/08<br>8/05/08       | MR<br>AP        | R*PLUMB UNDER SLAB VRU #: 001656149   |
| B111 02 | 8/07/08<br>8/07/08       | TI<br>CA        | R*BLDG SLAB INSP VRU #: 001658269   |
| A814 01 | 8/08/08                  | TI              | ADDRESS CONFIRMATION VRU #: 001658871   |
| B111 03 | 8/08/08<br><u>8/8/08</u> | TI<br><u>AP</u> | R*BLDG SLAB INSP VRU #: 001658913   |

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

-----  
ADDRESS : 340 VALLEY OAK DR SUBDIV: FOREST OAKS PH 3 99LOTS  
CONTRACTOR : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
OWNER : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
PARCEL : 01-0536-05- -0028- -40-  
APPL NUMBER: 08-50019665 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : HWY 27 W TO NURSERY RD TURN LEFT ON  
NURSERY RD LEFT ON LEMUEL BLACK RD LEFT  
ON VALLY OAK INTO FOREST OAKS S/D LOT  
153 JB  
-----

STRUCTURE: 000 000 44X54 3BDR  
FLOOD ZONE . . . . : FLOOD ZONE X  
# BEDROOMS . . . . . : 3.00 PROPOSED USE . . . . . : SFD  
SEPTIC - EXISTING? . . . . : NEW  
-----

PERMIT: CPSF 00 CP \* SFD

| TYP/SQ  | REQUESTED<br>COMPLETED    | INSP<br>RESULT     | DESCRIPTION<br>RESULTS/COMMENTS   |
|---------|---------------------------|--------------------|---|
| B111 01 | 8/04/08<br>8/04/08        | MR<br>DA           | R*BLDG SLAB INSP VRU #: 001654938<br>1. no water in riser<br>2. it should be a plmb under slab in<br>p. |
| P309 01 | 8/05/08<br>8/05/08        | MR<br>AP           | R*PLUMB UNDER SLAB VRU #: 001656149   |
| B111 02 | 8/07/08<br>8/07/08        | TI<br>CA           | R*BLDG SLAB INSP VRU #: 001658269   |
| B111 03 | 8/08/08<br>8/08/08        | DT<br>AP           | R*BLDG SLAB INSP VRU #: 001658913   |
| A814 01 | 8/08/08<br>8/08/08        | TI<br>AP           | ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001658871<br>340 VALLEY OAK DR LOT 153                          |
| R425 01 | 9/16/08<br><u>9/16/08</u> | TI<br><u>DA DT</u> | FOUR TRADE ROUGH IN VRU #: 001677285  |

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

ADDRESS : 340 VALLEY OAK DR SUBDIV: FOREST OAKS PH 3 99LOTS  
 CONTRACTOR : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
 OWNER : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
 PARCEL : 01-0536-05- -0028- -40-  
 APPL NUMBER: 08-50019665 CP NEW RESIDENTIAL (SFD)  
 DIRECTIONS : HWY 27 W TO NURSERY RD TURN LEFT ON  
 NURSERY RD LEFT ON LEMUEL BLACK RD LEFT  
 ON VALLY OAK INTO FOREST OAKS S/D LOT  
 153 JB

STRUCTURE: 000 000 44X54 3BDR  
 FLOOD ZONE : FLOOD ZONE X  
 # BEDROOMS : 3.00 PROPOSED USE : SFD  
 SEPTIC - EXISTING? : NEW

PERMIT: CPSF 00 CP \* SFD

| TYP/SQ  | REQUESTED COMPLETED | INSP RESULT        | DESCRIPTION RESULTS/COMMENTS   |
|---------|---------------------|--------------------|--|
| B111 01 | 8/04/08<br>8/04/08  | MR<br>DA           | R*BLDG SLAB INSP VRU #: 001654938<br>1. no water in riser<br>2. it should be a plmb under slab in p.   |
| P309 01 | 8/05/08<br>8/05/08  | MR<br>AP           | R*PLUMB UNDER SLAB VRU #: 001656149  |
| B111 02 | 8/07/08<br>8/07/08  | TI<br>CA           | R*BLDG SLAB INSP VRU #: 001658269  |
| B111 03 | 8/08/08<br>8/08/08  | DT<br>AP           | R*BLDG SLAB INSP VRU #: 001658913  |
| A814 01 | 8/08/08<br>8/08/08  | TI<br>AP           | ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001658871<br>340 VALLEY OAK DR LOT 153   |
| R425 01 | 9/16/08<br>9/16/08  | DT<br>DA           | FOUR TRADE ROUGH IN VRU #: 001677285<br>1. AO2 trusses not strapped for uplift properly.<br>2. Need fire caulk for dryer vent and at top plate in family room.<br>3. Need nail guards in master closet.<br>4. HVAC line sets not completely installed.<br>Okay to side/insulate. |
| I129 01 | 9/18/08<br>9/18/08  | DT<br>AP           | R*INSULATION INSPECTION VRU #: 001677871   |
| R425 02 | 9/18/08<br>9/18/08  | DT<br>DP           | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 001678960<br>1. Trusses still not strapped correctly.<br>2. HVAC line sets cannot be fire blocked with rock wool.<br>3. Dryer vent hole not completely caulked.   |
| R425 03 | 9/23/08             | TI<br><i>AP-MR</i> | FOUR TRADE ROUGH IN VRU #: 001681212   |

COMMENTS AND NOTES

**Trenco**

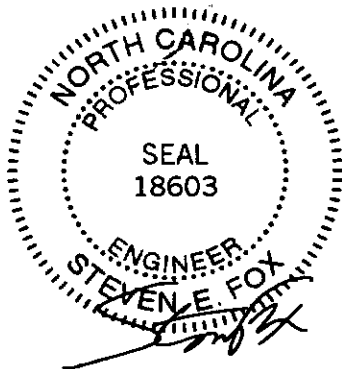
818 Soundside Rd  
Edenton, NC 27932

Re: 278909  
153 Forest Oaks Harnett Co., NC

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: I14394116 thru I14394116

My license renewal date for the state of North Carolina is December 31, 2008.



August 20, 2008

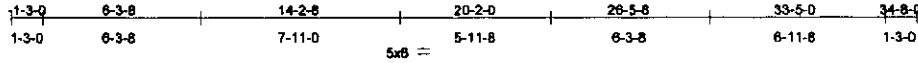
Fox, Steve

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<br>278909 | Truss<br>A02 | Truss Type<br>ROOF TRUSS | Qty<br>9 | Pty<br>1 | 153 Forest Oaks Hamett Co., NC<br>1.0 UNITS AMN<br>1 OF 1<br>Job Reference (optional) | 114394118 |
|---------------|--------------|--------------------------|----------|----------|---|-----------|

Builders FirstSource, Sumter, SC

6.500 s Aug 27 2007 MITek Industries, Inc. Wed Aug 20 09:37:21 2008 Page 1



Scale = 1/88.1

REMOVE 3-1-0 SECTION OF BOTTOM CHORD AND WEB H-N FROM TRUSS AS SHOWN.

THIS TRUSS IS BE ATTACHED TO A STUD BEARING WALL THROUGHOUT ITS ENTIRE LENGTH. PROVIDE TWO 10d NAILS AT EACH LOCATION WHERE THE TRUSS CROSSES A STUD (CHORDS AND WEBS)

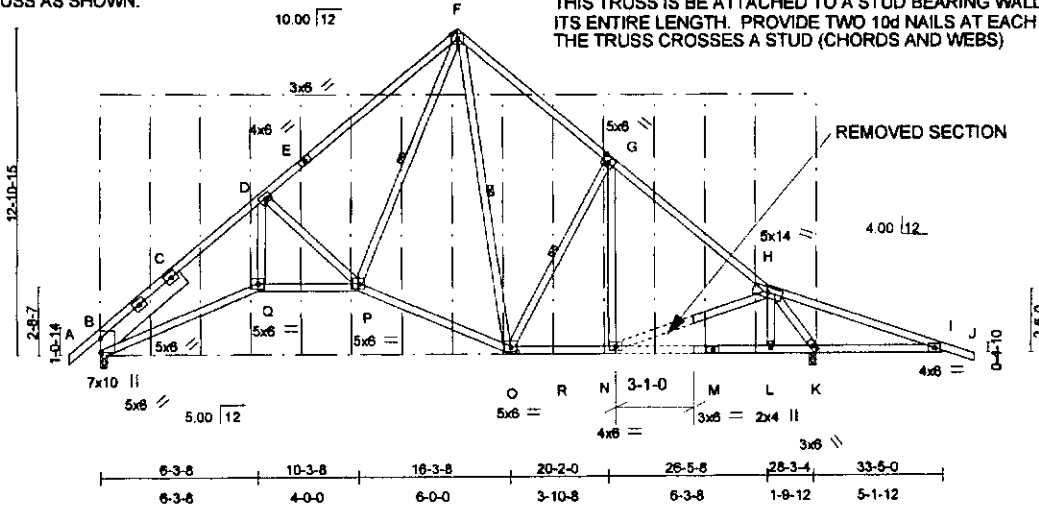


Plate Offsets (X,Y): [G:0-3-0,0-3-0], [O:0-3-0,0-2-4]

| LOADING (psf) | SPACING              | 2-0-0 | CSI      | DEFL     | in (loc) | I/defl   | L/d | PLATES | GRIP           |
|---------------|----------------------|-------|----------|----------|----------|----------|-----|--------|----------------|
| TCLL 20.0     | Plates Increase      | 1.15  | TC 0.85  | Vert(LL) | 0.28     | O-P >999 | 240 | MT20   | 244/190        |
| TCDL 10.0     | Lumber Increase      | 1.15  | BC 0.79  | Vert(TL) | -0.24    | P-Q >999 | 180 |        |                |
| BCLL 0.0      | Rep Stress Incr      | YES   | WB 0.47  | Horz(TL) | 0.17     | K n/a    | n/a |        |                |
| BCDL 10.0     | Code IRC2006/TPI2002 |       | (Matrix) |          |          |          |     |        | Weight: 219 lb |

**LUMBER**

TOP CHORD 2 X 4 SYP No.1  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3 \*Except\*  
 F-O 2 X 4 SYP No.2  
 SLIDER Left 2 X 8 SYP DSS 4-5-0

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 5-8-10 oc bracing.  
 WEBS 1 Row at midpt F-P, F-O, G-O

REACTIONS (lb/size) B=1189/0-3-8, K=1712/0-3-8  
 Max Horz B=385(LC 4)  
 Max Uplift B=538(LC 7), K=887(LC 7)

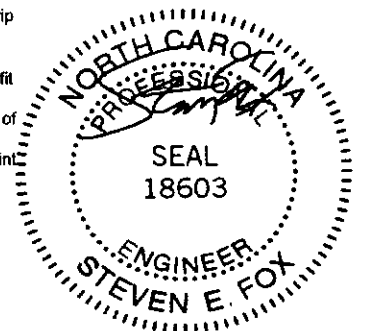
**FORCES (lb) - Maximum Compression/Maximum Tension**

TOP CHORD A-B=0/14, B-C=-2230/1720, C-D=-2101/1762, D-E=-1445/1272, E-F=-1315/1305, F-G=-992/1010, G-H=-1191/948,  
 H-I=-714/918, I-J=0/19  
 BOT CHORD B-Q=-1121/1650, P-Q=-933/1496, O-P=-237/754, O-R=-492/815, N-R=-492/815, M-N=-263/443, L-M=-263/443,  
 K-L=-269/444, I-K=-798/735  
 WEBS D-Q=-819/880, D-P=-885/889, F-P=-873/925, F-O=-430/189, G-O=-310/300, G-N=-48/120, H-N=-277/400, H-L=-107/150,  
 H-K=-1973/1802

**NOTES (8)**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 100mph; h=32ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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 1-0-0 wide will fit between the bottom chord and any other members.
- Bearing at joint(s) B 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 538 lb uplift at joint B and 887 lb uplift at joint K.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- 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.

LOAD CASE(S) Standard



August 20, 2008

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 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. 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 members 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 ANSI/TPI1 Quality Criteria, D53-89 and BCSP Building Component Safety Information available from Truss Plate Institute, 583 D'Oroffto Drive, Madison, WI 53719.

ENGINEERING BY  
**TRENCO**  
 A MITEK AFFILIATE  
 818 Soundside Road  
 Edenton, NC 27932

**Trenco**

818 Soundside Rd  
Edenton, NC 27932

Re: 278908  
153 Forest Oaks Harnett Co., NC

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: I14443232 thru I14443232

My license renewal date for the state of North Carolina is December 31, 2008.



August 29, 2008

Liu, Xuegang

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<br>278908 | Truss<br>F04 | Truss Type<br>FLOOR | Qty<br>3 | Ply<br>1 | 153 Forest Oaks Hamett Co., NC<br>1.0 UNITS AMN<br>1 OF 1<br>Job Reference (optional) | 114443232 |
|---------------|--------------|---------------------|----------|----------|---|-----------|

Builders FirstSource, Sumter, SC

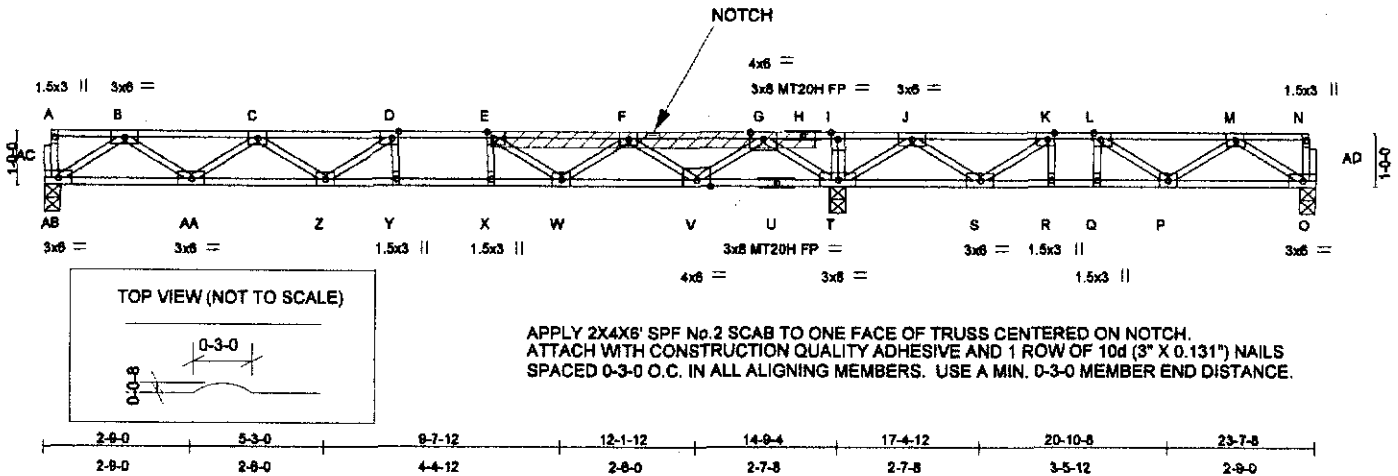
6.500 s Aug 27 2007 MITek Industries, Inc. Fri Aug 29 07:58:49 2008 Page 1

0-1-8



Scale = 1:40.2

3" WIDE BY 1/2" DEEP NOTCH IN TOP CHORD JUST TO THE RIGHT OF JOINT F.  
NO PLATES OR WEBS ARE DAMAGED.



APPLY 2X4X6" SPF No.2 SCAB TO ONE FACE OF TRUSS CENTERED ON NOTCH.  
ATTACH WITH CONSTRUCTION QUALITY ADHESIVE AND 1 ROW OF 10d (3" X 0.131") NAILS  
SPACED 0-3-0 O.C. IN ALL ALIGNING MEMBERS. USE A MIN. 0-3-0 MEMBER END DISTANCE.

| Plate Offsets (X,Y): |                 | ID:0-1-8,Edge   |          | E:0-1-8,Edge |          | K:0-1-8,Edge |      | L:0-1-8,Edge |       |                |
|----------------------|-----------------|-----------------|----------|--------------|----------|--------------|------|--------------|-------|----------------|
| LOADING (psf)        | SPACING         | 2-0-0           | CSI      | DEFL         | in (loc) | U/defl       | L/d  | PLATES       | GRIP  |                |
| TCLL 40.0            | Plates Increase | 1.00            | TC 0.62  | Vert(LL)     | -0.16    | Y-Z          | >999 | 480          | MT20  | 244/190        |
| TCOL 10.0            | Lumber Increase | 1.00            | BC 0.94  | Vert(TL)     | -0.25    | Y-Z          | >608 | 360          | MT20H | 187/143        |
| BCLL 0.0             | Rep Stress Incr | YES             | WB 0.45  | Horz(TL)     | 0.03     | T            | n/a  | n/a          |       |                |
| BCDL 5.0             | Code            | IRC2006/TPI2002 | (Matrix) |              |          |              |      |              |       | Weight: 115 lb |

**LUMBER**

TOP CHORD 4 X 2 SYP No.2  
BOT CHORD 4 X 2 SYP No.2  
WEBS 4 X 2 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 8-0-0 oc purlins, except end verticals.  
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

**REACTIONS**

(lb/size) AB=875/0-3-8, O=265/0-3-8, T=1619/0-3-8  
Max Uplift O=53(LC 2)  
Max Grav AB=891(LC 2), O=390(LC 3), T=1619(LC 1)

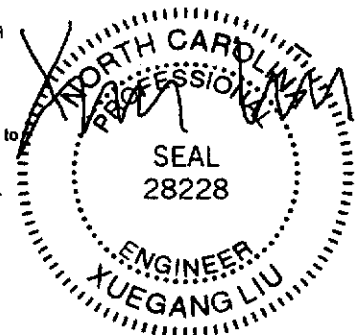
**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD AB-AC=44/0, A-AC=44/0, O-AD=28/2, N-AD=28/2, A-B=3/0, B-C=-1621/0, C-D=-2376/0, D-E=-2439/0, E-F=-1843/0, F-G=-454/145, G-H=0/2036, H-I=0/2035, I-J=0/2035, J-K=-381/996, K-L=-808/573, L-M=-713/275, M-N=-2/0  
BOT CHORD AA-AB=0/1001, Z-AA=0/2209, Y-Z=0/2439, X-Y=0/2439, W-X=0/2439, V-W=0/1325, U-V=-692/0, T-U=-692/0, S-T=-1360/0, R-S=-573/808, Q-R=-573/808, P-Q=-92/555  
WEBS I-T=-118/0, B-AB=-1182/0, G-T=-1592/0, B-AA=0/757, G-V=0/1134, C-AA=-718/0, F-V=-1088/0, C-Z=0/265, F-W=0/684, D-Z=-258/180, E-W=-811/0, D-Y=-207/34, E-X=-9/233, M-O=-856/109, J-T=-1130/0, M-P=-223/193, J-S=0/725, L-P=-115/358, K-S=-812/0, K-R=0/265, L-Q=-250/0

**NOTES** (10)

- Unbalanced floor live loads have been considered for this design.
- All plates are MT20 plates unless otherwise indicated.
- All plates are 3x4 MT20 unless otherwise indicated.
- Attach ribbon block to truss with 3-10d nails applied to flat face.
- The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: H and U.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint O.
- This truss is designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- Recommend 2x8 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- CAUTION, Do not erect truss backwards.
- 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.

LOAD CASE(S) Standard



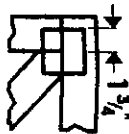
August 29, 2008

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 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. 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 members 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 ANSI/TPI1 Quality Criteria, D39-87 and ICC310 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

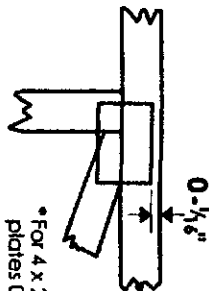
ENGINEERING BY  
**TRENCO**  
A MITek Affiliate  
818 Soundside Road  
Edenton, NC 27932

# 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- $\frac{1}{8}$ " from outside edge of huss.



\*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

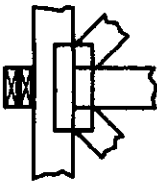
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



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

## BEARING



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

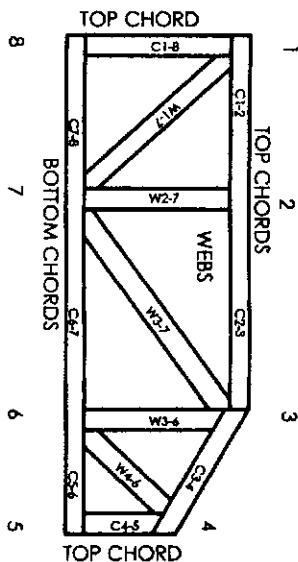
## Industry Standards:

ANSI/PP1: National Design Specification for Metal Plate Connected Wood Truss Construction.  
 D58-89: Design Standard for Bracing.  
 BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System



dimensions shown in ft-in-sixteenths (Drawings not to scale)



**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, ER-5243, 96048  
 9730, 95-43, 96-31, 9667A  
 NER-487, NER-561  
 95110, 84-32, 96-67, ER-3907, 9432A

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Mittek Engineering Reference Sheet: Mill-7473

# 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 BCSI1.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative I, L 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 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 of each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/PP1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/PP1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 17% 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 packaging 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/PP1 Quality Criteria.

ADDRESS : 340 VALLEY OAK DR SUBDIV: FOREST OAKS PH 3 99LOTS  
 CONTRACTOR : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
 OWNER : H & H CONSTRUCTORS INC PHONE : (910) 486-4864  
 PARCEL : 01-0536-05- -0028- -40-  
 APPL NUMBER: 08-50019665 CP NEW RESIDENTIAL (SFD)

DIRECTIONS : HWY 27 W TO NURSERY RD TURN LEFT ON  
 NURSERY RD LEFT ON LEMUEL BLACK RD LEFT  
 ON VALLY OAK INTO FOREST OAKS S/D LOT  
 153 JB

STRUCTURE: 000 000 44X54 3BDR  
 FLOOD ZONE . . . . : FLOOD ZONE X  
 # BEDROOMS . . . . . : 3.00 PROPOSED USE . . . . . : SFD  
 SEPTIC - EXISTING? . . . . : NEW

PERMIT: CPSF 00 CP \* SFD

| TYP/SQ  | REQUESTED<br>COMPLETED | INSP<br>RESULT | DESCRIPTION<br>RESULTS/COMMENTS   |
|---------|------------------------|----------------|---|
| B111 01 | 8/04/08<br>8/04/08     | MR<br>DA       | R*BLDG SLAB INSP VRU #: 001654938<br>1. no water in riser<br>2. it should be a plmb under slab in<br>P.   |
| P309 01 | 8/05/08<br>8/05/08     | MR<br>AP       | R*PLUMB UNDER SLAB VRU #: 001656149   |
| B111 02 | 8/07/08<br>8/07/08     | TI<br>CA       | R*BLDG SLAB INSP VRU #: 001658269   |
| B111 03 | 8/08/08<br>8/08/08     | DT<br>AP       | R*BLDG SLAB INSP VRU #: 001658913   |
| A814 01 | 8/08/08<br>8/08/08     | TI<br>AP       | ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001658871<br>340 VALLEY OAK DR LOT 153  |
| R425 01 | 9/16/08<br>9/16/08     | DT<br>DA       | FOUR TRADE ROUGH IN VRU #: 001677285<br>1. AO2 trusses not strapped for uplift properly.<br>2. Need fire caulk for dryer vent and at top plate in<br>family room.<br>3. Need nail guards in master closet.<br>4. HVAC line sets not completely installed.<br>Okay to side/insulate. |
| I129 01 | 9/18/08<br>9/18/08     | TI<br>CA DT    | R*INSULATION INSPECTION VRU #: 001677871  |
| R425 02 | 9/18/08<br>9/18/08     | TI<br>DP DT    | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 001678960  |

COMMENTS AND NOTES

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**STRUCTURE: 000 000 44X54 3HDR**

FLOOD ZONE : FLOOD ZONE X  
 # BEDROOMS : 3.00 PROPOSED USE : SFD  
 SEPTIC - EXISTING? : NEW

**PERMIT: CPSF 00 CP \* SFD**

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| P309 01 | 8/05/08<br>8/05/08   | MR<br>AP    | R*PLUMB UNDER SLAB VRU #: 001656149  |
| B111 02 | 8/07/08<br>8/07/08   | TI<br>CA    | R*BLDG SLAB INSP VRU #: 001658269  |
| B111 03 | 8/08/08<br>8/08/08   | DT<br>AP    | R*BLDG SLAB INSP VRU #: 001658913  |
| A814 01 | 8/08/08<br>8/08/08   | TI<br>AP    | ADDRESS CONFIRMATION TIME: 17:00 VRU #: 001658871<br>√340 VALLEY OAK DR LOT 153  |
| R425 01 | 9/16/08<br>9/16/08   | DT<br>DA    | FOUR TRADE ROUGH IN VRU #: 001677285<br>1. AO2 trusses not strapped for uplift properly.<br>2. Need fire caulk for dryer vent and at top plate in family room.<br>3. Need nail guards in master closet.<br>4. HVAC line sets not completely installed.<br>Okay to side/insulate. |
| I129 01 | 9/18/08<br>9/18/08   | DT<br>AP    | R*INSULATION INSPECTION VRU #: 001677871   |
| R425 02 | 9/18/08<br>9/18/08   | DT<br>DP    | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 001678960<br>1. Trusses still not strapped correctly.<br>2. HVAC line sets cannot be fire blocked with rock wool.<br>3. Dryer vent hole not completely caulked.   |
| R425 03 | 9/23/08<br>9/23/08   | MR<br>AP    | FOUR TRADE ROUGH IN VRU #: 001681212   |
| H824 01 | 10/10/08<br>10/10/08 | JW<br>AP    | √ ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 001690882  |
| R429 01 | 12/01/08             | TI          | FOUR TRADE FINAL VRU #: 001711092  |

*AP-MR*

COMMENTS AND NOTES

**COUNTY OF HARNETT  
DEPARTMENT OF BUILDING INSPECTION  
AND PLANNING/DEVELOPMENT  
CERTIFICATE OF OCCUPANCY**

This certificate issued pursuant to the requirements of Section 105 of the North Carolina State Building Code and the Harnett County Zoning Ordinance certifies at the time of issuance this structure was in compliance with the various ordinances of the County of Harnett regulating development and building construction or use. For the following:

Use Classification: R-3

Type of Construction: II

Owner of Building: H+H

Building Address: 340 Valley Oak

Zoning District: \_\_\_\_\_

Zoning Permit No.: \_\_\_\_\_

Conditional Use Permit No.: \_\_\_\_\_

Building Permit No.: 08-50019665

Electrical Permit No.: 11

Insulation Permit No.: 12

Plumbing Permit No.: 11

Mech. Permit No.: 10

Envir. C.O. No.: \_\_\_\_\_

Date: 12-1-8

Mub Roan

Building Official

Zoning Official