ADDRESS . : 571 MOONLIGHT DR SUBDIV: STETSON 53LOTS
CONTRACTOR : COMFORT HOMES INC PHONE : (919) 553-3242
OWNER . . : FISH BROTHERS INC PHONE :
PARCEL . . : 04-0674- - -0046- -27-
APPL NUMBER: 15-50036810 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 08/06/2015 08:28 AM LBENNETT --
401 NORTH RIGHT ON RAWLS CHURCH D, LEFT
ON ATKINS RD, SUBDIVISION ON RIGHT
T/S: 08/28/2015 10:03 AM DJOHNSON --
****PREMISE NO 29314750*****

**STRUCTURE: 000 000 52'10"X35'4" 3BDR W/GARAGE W/DECK CRAWL**

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

**PERMIT: CPSF 00 CP * SFD**

| TYP/SQ | REQUESTED COMPLETED | INSP RESULT | DESCRIPTION RESULTS/COMMENTS |
|---|---|---|---|
| B101 01 | 9/01/15 | BS | R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002710945 |
| | 9/01/15 | AP | T/S: 08/28/2015 10:03 AM DJOHNSON ---------- |
| | | | TSP ALSO |
| | | | T/S: 08/31/2015 08:39 AM KGOINS ---------- |
| | | | T/S: September 01, 2015 03:02 PM BSUTTON ---------- |
| B103 01 | 9/11/15 | BS | R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 002716470 |
| | 9/11/15 | AP | T/S: 09/10/2015 11:41 AM KGOINS ---------- |
| | | | T/S: September 11, 2015 02:45 PM BSUTTON ---------- |
| A814 01 | 9/16/15 | TW | ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002718690 |
| | 9/18/15 | AP | 571 Moonlight Dr Fuquay Varina 27526 Lot 27 |
| | | | T/S: 09/18/2015 04:52 PM TWARD ---------- |
| B105 01 | 9/16/15 | BS | R*OPEN FLOOR TIME: 17:00 VRU #: 002718708 |
| | 9/16/15 | AP | T/S: September 16, 2015 10:09 AM BSUTTON ---------- |
| R425 01 | 9/29/15 | BS | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002724318 |
| | 9/29/15 | DA | T/S: 09/28/2015 03:14 PM LBENNETT ---------- |
| | | | T/S: September 29, 2015 09:05 AM BSUTTON ---------- |
| | | | Brace truss A01. T-Brace single over nook and regular web brace over master. 2. Brace truss A03. 3. Provide letter of repair for truss A05. This is a gable truss and should have full length bottom chord support on a load bearing wall. OK to side/insulate. |
| I129 01 | 10/01/15 | TI | R*INSULATION INSPECTION TIME: 17:00 VRU #: 002724789 |
| | 10/1/15 | A035 | T/S: 09/29/2015 11:35 AM LBENNETT ---------- |
| R425 02 | 10/01/15 | TI | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002724797 |
| | | | T/S: 09/29/2015 11:36 AM LBENNETT ---------- |
| | | | T/S: 09/29/2015 11:36 AM LBENNETT ---------- |

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

| Job | Truss | Truss Type | Qty | Ply | SBS#4011/COMFORT HOMES/27 STETSON |
|---|---|---|---|---|---|
| 243723 | A05-ALT | GABLE | 0 | 1 | Job Reference (optional) |

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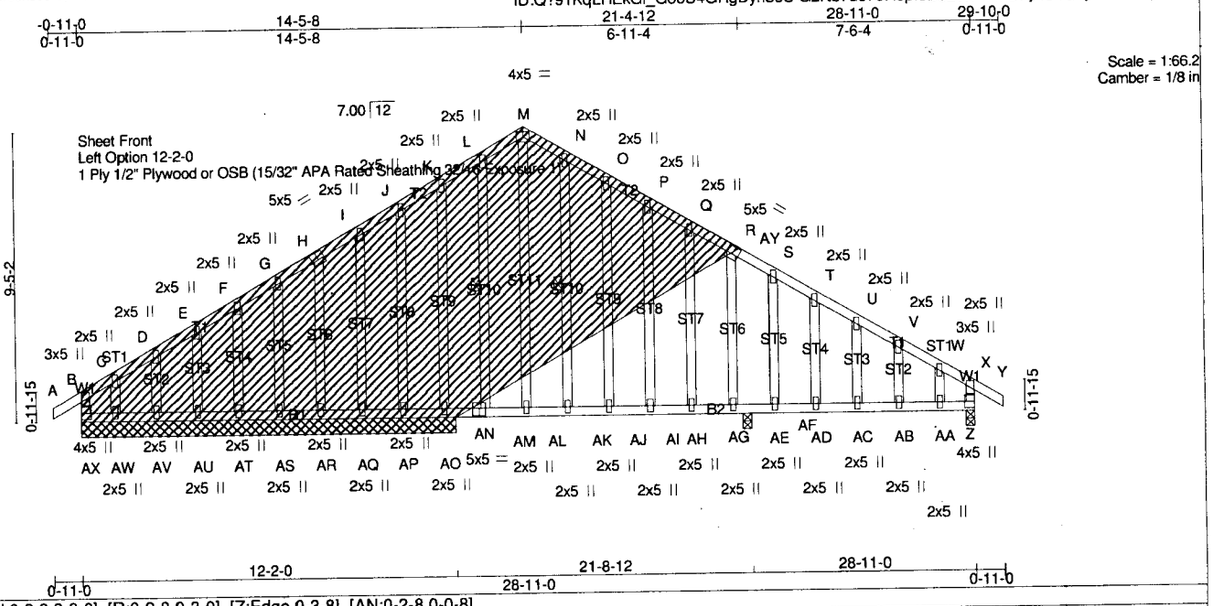


Plate Offsets (X,Y)-- [H:0-2-8,0-3-0], [R:0-2-8,0-3-0], [Z:Edge,0-3-8], [AN:0-2-8,0-0-8]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.00 | TC | 0.35 | Vert(LL) | 0.10 AB-AC | >854 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.15 | BC | 0.60 | Vert(TL) | -0.21 AI-AJ | >552 | 180 | | |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.18 | Horz(TL) | -0.02 AX | n/a | n/a | | |
| BCDL | 10.0 | Code IRC2009/TPI2007 | | (Matrix) | | | | | | Weight: 411 lb | FT = 20% |

**LUMBER-**
TOP CHORD 2x4 SP No.1
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt L-AM, N-AK

**REACTIONS.** (lb/size) Z=547/0-3-8 (min. 0-1-8), AX=687/12-2-0 (min. 0-1-12), AO=348/12-2-0 (min. 0-1-12), AP=-45/12-2-0 (min. 0-1-12), AQ=172/12-2-0 (min. 0-1-12), AR=108/12-2-0 (min. 0-1-12), AS=126/12-2-0 (min. 0-1-12), AT=121/12-2-0 (min. 0-1-12), AU=103/12-2-0 (min. 0-1-12), AV=183/12-2-0 (min. 0-1-12), AW=-329/12-2-0 (min. 0-1-12), AF=650/0-3-8 (min. 0-1-8)
Max Horz Z=274(LC 6)
Max UpliftAX=-31(LC 5), AP=-195(LC 8), AR=-30(LC 7), AS=-12(LC 7), AT=-23(LC 7), AU=-34(LC 7), AW=-367(LC 6), AF=-206(LC 8)
Max Grav Z=547(LC 1), AX=687(LC 1), AO=359(LC 12), AQ=172(LC 1), AR=112(LC 12), AS=126(LC 1), AT=121(LC 1), AU=107(LC 12), AV=183(LC 1), AW=70(LC 5), AF=652(LC 13)

**FORCES.** (lb) - Maximum Compression/Maximum Tension
TOP CHORD A-B=0/32, B-C=-540/38, C-D=-426/28, D-E=-446/26, E-F=-444/23, F-G=-444/20, G-H=-445/26, H-I=-443/52, I-J=-447/73, J-K=-412/133, K-L=-458/100, L-M=-434/129, M-N=-393/150, N-O=-421/115, O-P=-443/86, P-Q=-475/54, Q-R=-502/39, R-AY=-404/0, S-AY=-438/0, S-T=-388/0, T-U=-426/0, U-V=-449/0, V-W=-475/0, W-X=-512/0, X-Y=0/32, B-AX=-509/24, X-Z=-451/0
BOT CHORD AW-AX=-28/365, AV-AW=-28/365, AU-AV=-28/365, AT-AU=-28/365, AS-AT=-28/365, AR-AS=-28/365, AQ-AR=-29/364, AP-AQ=-29/364, AO-AP=-29/364, AN-AO=-29/364, AM-AN=-29/364, AL-AM=-29/364, AK-AL=-29/364, AJ-AK=-29/364, AI-AJ=-29/364, AH-AI=-29/364, AG-AH=-29/364, AF-AG=-30/367, AE-AF=-30/367, AD-AE=-30/367, AC-AD=-30/367, AB-AC=-30/367, AA-AB=-30/367, Z-AA=-30/367
WEBS M-AL=-70/209, L-AM=-47/30, K-AO=-178/0, J-AP=-38/107, I-AQ=-105/36, H-AR=-84/47, G-AS=-90/38, F-AT=-86/47, E-AU=-82/49, D-AV=-115/36, C-AW=-39/204, N-AK=-35/43, O-AJ=-37/34, P-AI=-21/43, Q-AH=-44/7, R-AG=-212/140, S-AE=-179/44, T-AD=0/38, U-AC=-35/35, V-AB=-36/36, W-AA=0/36

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 100mph; TCDL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 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=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 1-4-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint AX, 195 lb uplift at joint AP, 30 lb uplift at joint AR, 12 lb uplift at joint AS, 23 lb uplift at joint AT, 34 lb uplift at joint AU, 367 lb uplift at joint AW and 206 lb uplift at joint AF.
9) This truss is designed in accordance with the 2009 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2

NORTH CAROLINA PROFESSIONAL SEAL 023594 ENGINEER TONY R. MILLER

09-30-2015

| Job | Truss | Truss Type | Qty | Ply | SBS#4011/COMFORT HOMES/27 STETSON |
|---|---|---|---|---|---|
| 243723 | A05-ALT | GABLE | 0 | 1 | Job Reference (optional) |

Stock Comp. 651c Brigham, Greensboro, NC 7.630 s Jul 9 2015 MiTek Industries, Inc. Wed Sep 30 16:11:34 2015 Page 2
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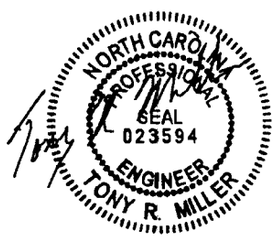
**NOTES-**

10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.15, Plate Increase=1.00
   Uniform Loads (plf)
      Vert: A-B=-60, K-M=-70(F=-10), X-AY=-60, X-Y=-60, AL-AO=-30(F=-10), Z-AF=-20
   Trapezoidal Loads (plf)
      Vert: B=-61(F=-1)-to-K=-70(F=-10), M=-70(F=-10)-to-AY=-60, AX=-21(F=-1)-to-AO=-30(F=-10), AL=-30(F=-10)-to-AF=-20(F=-0)




09-30-2015

This design is based only upon parameters shown, and is for an individual building component to be loaded vertically. Applicability of design parameters and proper incorporation of this component into the overall structure is the responsibility of the building designer – not truss designer. Bracing shown is for permanent lateral support of individual truss members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure to resist wind, seismic, or other lateral forces is the responsibility of the building designer. For general guidance regarding storage, erection, and bracing, consult BCSI-B1 Summary Sheet provided by Stock Components, or BCSI 1-03 Handling, Installing, and Bracing Commentary available from the Wood Truss Council of America, One WTCA Center, 6300 Enterprise Lane, Madison, WI 53719.

STOCK Components