

ADDRESS : 288 TILDEN HOWINGTON DR SUBDIV: MAMIE BELL PH# 1&2&5 46LOTS
 CONTRACTOR : MCCLOSKEY BUILDERS INC PHONE : (910) 813-3428
 OWNER : DAKOTA LAND PARTNERS LLC PHONE :
 PARCEL : 13-0630-01- -0029- -22-
 APPL NUMBER: 17-50040625 CP NEW RESIDENTIAL (SFD)
 DIRECTIONS : T/S: 01/26/2017 09:25 AM LBENNETT --
 288 TILDEN HOWINGTON DRIVE - MAMIE BELL
 T/S: 03/29/2017 09:11 AM DJOHNSON --
 ****PREMISE NO 55584900*****

STRUCTURE: 000 000 36X34 4BDR W/GARAGE STEMWALL SLAB

FLOOD ZONE : FLOOD ZONE X
 # BEDROOMS : 4.00 PROPOSED USE : SFD
 SEPTIC - EXISTING? : NEW WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

| TYP/SQ | REQUESTED COMPLETED | INSP RESULT | DESCRIPTION RESULTS/COMMENTS |
|---------|---------------------|-------------|---|
| A814 01 | 3/20/17 | SB | ADDRESS CONFIRMATION TIME: 17:00 VRU #: 002946531 |
| | 3/20/17 | AP | 288 TILDEN HOWINGTON DR LILLINGTON 27546 |
| | | | T/S: 03/20/2017 10:51 AM SBENNETT ----- |
| P309 01 | 3/20/17 | TSG | R*PLUMB UNDER SLAB TIME: 17:00 VRU #: 002946549 |
| | 3/20/17 | AP | T/S: 03/17/2017 10:21 AM DJOHNSON ----- |
| B114 01 | 3/23/17 | TSG | R*BLDG MONO SLAB/TEMP SVC POLE TIME: 17:00 VRU #: 002947422 |
| | 3/23/17 | AP | T/S: 03/21/2017 08:44 AM DJOHNSON ----- |
| E207 01 | 3/29/17 | TSG | R*ELEC TEMP SERVICE POLE TIME: 17:00 VRU #: 002951267 |
| | 3/29/17 | AP | T/S: 03/28/2017 02:16 PM DJOHNSON ----- |
| | | | T/S: 03/29/2017 08:28 AM SGUY ----- |
| R425 01 | 5/09/17 | DT | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002969814 |
| | 5/09/17 | DA | T/S: 05/08/2017 01:39 PM LBENNETT ----- |
| | | | T/S: 05/09/2017 03:26 PM DETAYLOR ----- |
| | | | 1. Missing jack stud right side of garage and left side jacks not all supporting LVL 2. Hangers for floor trusses install incorrectly, pack out trusses with blocking and install with proper nails 3. No short nails can be used in hangers at multiple play beams 4. Need 3ft head of water in stand pipe 5. Install insulation baffles 6. Frame in attic access 7. BO4 truss not strapped for uplift or nailed per documents 8. AO5 trusses missing web brace 9. Top chord of truss shaved for plumbing above garage must be addressed by engineer. Okay to side |
| R425 02 | 5/11/17 | DT | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002971067 |
| | 5/11/17 | DA | T/S: 05/10/2017 02:07 PM JBROCK ----- |
| | | | T/S: 05/11/2017 12:18 PM DETAYLOR ----- |
| | | | Need air barrier under stairs Replace wrongly installed hangers Need engineer repair for broken trusses Strap girder trusses for uplift Okay to insulate |
| I129 01 | 5/19/17 | DT | R*INSULATION INSPECTION TIME: 17:00 VRU #: 002974780 |
| | 5/19/17 | CA | T/S: 05/18/2017 12:03 PM DJOHNSON ----- |
| | | | T/S: 05/19/2017 11:38 AM DETAYLOR ----- |
| R425 03 | 5/19/17 | DT | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002974772 |
| | 5/19/17 | CA | T/S: 05/18/2017 12:03 PM DJOHNSON ----- |

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PHONE : (910) 813-3428
PHONE :

| TYP/SQ | REQUESTED COMPLETED | INSP RESULT | DESCRIPTION RESULTS/COMMENTS |
|---------|---------------------|-------------|---|
| I129 02 | 5/23/17 5/23/17 | TSG DA | T/S: 05/19/2017 11:38 AM DETAYLOR R*INSULATION INSPECTION TIME: 17:00 VRU #: 002975795 T/S: 05/22/2017 12:02 PM LBENNETT 1- could not locate eng letter on truss repair requested for last inspection. |
| R425 04 | 5/23/17 5/23/17 | TSG DA | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002975811 T/S: 05/22/2017 12:02 PM LBENNETT 1- could not locate eng letter on truss repair requested for last inspection. |
| I129 03 | 5/24/17 | TI | R*INSULATION INSPECTION TIME: 17:00 VRU #: 002976041 T/S: 05/23/2017 10:11 AM LBENNETT |
| R425 05 | 5/24/17 | TI | FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 002976058 T/S: 05/23/2017 10:11 AM LBENNETT |

COMMENTS AND NOTES

RE: 967233 - Lot 82A Mamie Bell, Harnett Co., NC

Trenco

818 Soundside Rd
Edenton, NC 27932

Site Information:

Project Customer: McCloskey Bldrs Project Name: 967233

Lot/Block: 82A

Subdivision: Mamie Bell

Model:

Address: 288 Tilden Howington

City: Lillington

State: NC

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: IRC2009/TPI2007

Design Program: MiTek 20/20 7.6

Wind Code: N/A

Wind Speed: N/A mph

Design Method: N/A

Roof Load: N/A psf

Floor Load: 55.0 psf

Mean Roof Height (feet): N/A

Exposure Category: N/A

| No. | Seal# | Truss Name | Date |
|-----|-----------|------------|---------|
| 1 | I29829904 | F102 | 5/11/17 |
| 2 | I29829905 | F109 | 5/11/17 |

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Sumter, SC.

Truss Design Engineer's Name: Komnick, Chad

My license renewal date for the state of North Carolina is December 31, 2017.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



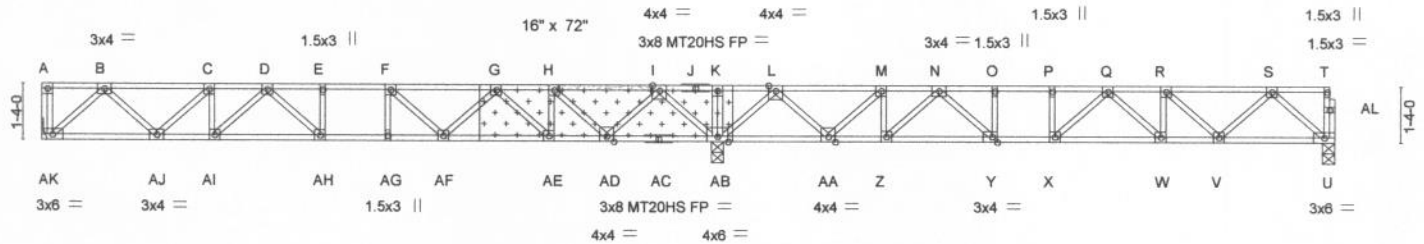
| | | | | | | |
|---------------|---------------|---------------------|----------|----------|---|-----------|
| Job 967233 | Truss F102 | Truss Type Floor | Qty 3 | Ply 1 | Lot 82A Mamie Bell, Harnett Co., NC Job Reference (optional) | 129829904 |
|---------------|---------------|---------------------|----------|----------|---|-----------|

Builders FirstSource, Sumter, SC 29153

7.640 s Sep 29 2015 MiTek Industries, Inc. Wed May 10 14:32:07 2017 Page 1
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REPAIR:
TRUSS MEMBER H-I IS MISSING.
PLATES AT JOINTS H & I ARE DAMAGED.

Scale = 1:52.8



INSTALL 2 X 4 SPF/DF/SP NO.2
CUT TO FIT TIGHT.



ATTACH 3/4" PLYWOOD OR OSB GUSSET (23/32" RATED SHEATHING 48/24 EXP 1)
TO EACH SIDE OF TRUSS WITH CONSTRUCTION QUALITY ADHESIVE AND ONE ROW OF
(0.131" X 2.5") NAILS SPACED 2" O.C. FROM EACH FACE INTO EACH COVERED TRUSS MEMBER.

| Plate Offsets (X,Y)-- [Y:0-1-8,Edge] | | 16-0-8 16-0-8 | | 30-7-12 14-7-4 | |
|--------------------------------------|----------------------|------------------|----------------|-------------------|--------------------------------|
| LOADING (psf) | SPACING- | 2-0-0 | CSI. | DEFL. | in (loc) l/defl L/d |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.81 | Vert(LL) -0.12 | AH-AI >999 | 480 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.85 | Vert(TL) -0.19 | AH-AI >999 | 360 |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.52 | Horz(TL) 0.04 | U n/a | n/a |
| BCDL 5.0 | Code IRC2009/TPI2007 | (Matrix) | | | |
| | | | | | PLATES |
| | | | | | MT20 |
| | | | | | MT20HS |
| | | | | | Weight: 165 lb FT = 20%F, 11%E |

| | |
|-----------------------------|---|
| LUMBER- | BRACING- |
| TOP CHORD 2x4 SP No.2(flat) | TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. |
| BOT CHORD 2x4 SP No.2(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) AK=705/Mechanical, AB=2030/0-3-8, U=603/0-3-8
Max Grav AK=756(LC 3), AB=2030(LC 1), U=683(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD B-C=-1297/0, C-D=-1792/0, D-E=-2130/0, E-F=-2130/0, F-G=-1820/0, G-H=-994/362, H-I=-242/636, I-J=0/2218, J-K=0/2218, K-L=0/2218, L-M=-342/902, M-N=-990/626, N-O=-1736/136, O-P=-1736/136, P-Q=-1736/136, Q-R=-1582/0, R-S=-1153/0

BOT CHORD AJ-AK=0/805, AI-AJ=0/1792, AH-AI=0/2024, AG-AH=0/2130, AF-AG=0/2130, AE-AF=-167/1512, AD-AE=-362/994, AC-AD=-1102/0, AB-AC=-1102/0, AA-AB=-1202/0, Z-AA=-626/990, Y-Z=-406/1385, X-Y=-136/1736, W-X=0/1738, V-W=0/1582, U-V=0/729

WEBS B-AK=-1072/0, B-AJ=0/685, C-AJ=-672/0, D-AJ=-316/19, I-AB=-1487/0, I-AD=0/1092, H-AD=-1101/0, H-AE=0/543, G-AE=-768/0, G-AF=0/534, F-AF=-643/0, L-AB=-1392/0, L-AA=0/1011, M-AA=-992/0, M-Z=0/427, N-Z=-661/0, N-Y=0/770, O-Y=-356/0, S-U=-969/0, S-V=0/589, R-V=-583/0, Q-X=-371/35

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - 3) All plates are MT20 plates unless otherwise indicated.
 - 4) All plates are 3x3 MT20 unless otherwise indicated.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 7) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 8) CAUTION, Do not erect truss backwards.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-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 ANSITP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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

| | | | | | |
|---------------|---------------|----------------------------|----------|----------|--|
| Job 967233 | Truss F109 | Truss Type Floor Girder | Qty 1 | Ply 1 | Lot 82A Mamie Bell, Harnett Co., NC I29829905 |
|---------------|---------------|----------------------------|----------|----------|--|

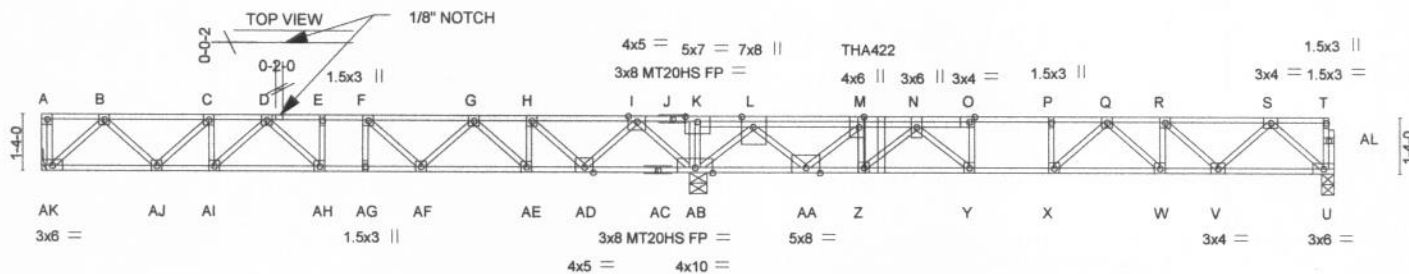
Builders FirstSource, Sumter, SC 29153

7.640 s Sep 29 2015 MiTek Industries, Inc. Wed May 10 14:32:08 2017 Page 1
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REPAIR: 2" x 1/8" NOTCH WAS CUT OUT OF THE TRUSS 1" TO THE RIGHT OF JOINT D.

Scale = 1:52.8



NO REPAIR REQUIRED.

| | | | |
|--------|--------|--------|---------|
| 15-6-5 | 15-6-5 | 15-7-4 | 30-7-12 |
| 15-6-5 | 0-1-0 | 15-9-8 | |

| LOADING (psf) | | SPACING- | | CSI. | | DEFL. | | | PLATES | | GRIP | |
|---------------|------|----------------------|-------|----------|------|----------|-------|---|--------|-----|----------------|-----------------|
| TCLL | 40.0 | Plate Grip DOL | 2-0-0 | TC | 0.90 | Vert(LL) | -0.14 | Y | >999 | 480 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.00 | BC | 0.86 | Vert(TL) | -0.20 | Y | >914 | 360 | MT20HS | 187/143 |
| BCLL | 0.0 | Rep Stress Incr | NO | WB | 0.98 | Horz(TL) | 0.04 | U | n/a | n/a | | |
| BCDL | 5.0 | Code IRC2009/TPI2007 | | (Matrix) | | | | | | | | |
| | | | | | | | | | | | Weight: 174 lb | FT = 20%F, 11%E |

LUMBER-
TOP CHORD 2x4 SP No.2(flat) *Except*
A-J: 2x4 SP No.1(flat), J-T: 2x4 SP SS(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.3(flat)

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

REACTIONS. (lb/size) AK=597/Mechanical, U=777/0-3-8, AB=2787/0-4-15
Max Grav AK=646(LC 3), U=850(LC 4), AB=2787(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-1058/0, C-D=-1436/9, D-E=-1507/320, E-F=-1507/320, F-G=-1120/605,
G-H=-177/1132, H-I=0/1484, I-J=0/3247, J-K=0/3236, K-L=0/3237, L-M=-902/296,
M-N=-2399/0, N-O=-2731/0, O-P=-2726/0, P-Q=-2726/0, Q-R=-2113/0, R-S=-1515/0
BOT CHORD AJ-AK=0/680, AI-AJ=-9/1436, AH-AI=-120/1549, AG-AH=-320/1507, AF-AG=-320/1507,
AE-AF=-857/752, AD-AE=-1132/177, AC-AD=-1969/0, AB-AC=-1969/0, AA-AB=-1460/0,
Z-AA=0/2399, Y-Z=0/2675, X-Y=0/2726, W-X=0/2451, V-W=0/2113, U-V=0/917
WEBS B-AK=-905/0, B-AJ=-22/526, C-AJ=-514/42, D-AH=-406/34, I-AB=-1698/0, I-AD=0/1153,
H-AD=-1165/0, H-AE=0/598, G-AE=-847/0, G-AF=0/620, F-AF=-720/0, S-U=-1219/0,
S-V=0/832, R-V=-813/0, R-W=0/319, Q-W=-458/0, Q-X=0/421, L-AB=-2406/0, L-AA=0/2064,
M-AA=-2090/0, M-Z=0/321, N-Z=-480/0, N-Y=-45/402

- NOTES-**
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 - All plates are 3x3 MT20 unless otherwise indicated.
 - Refer to girder(s) for truss to truss connections.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - CAUTION, Do not erect truss backwards.
 - Use Simpson Strong-Tie THA422 (6-16d Girder, 6-10d Truss) or equivalent at 19-8-8 from the left end to connect truss(es) to front face of top chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - 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 + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: U-AK=-10, A-T=-100
Concentrated Loads (lb)



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