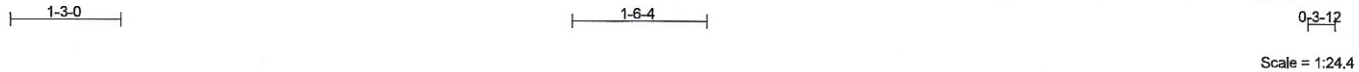


| | | | | | | | |
|----------------|--------------|----------------------------|----------|----------|-----------------------------------|-----------|-----------|
| Job 1347057 | Truss F11 | Truss Type Floor Girder | Qty 1 | Ply 1 | Floyd / 1091 Anderson Creek South | 1 UNIT YF | I35263528 |
|----------------|--------------|----------------------------|----------|----------|-----------------------------------|-----------|-----------|

Builders FirstSource, Sumter, SC

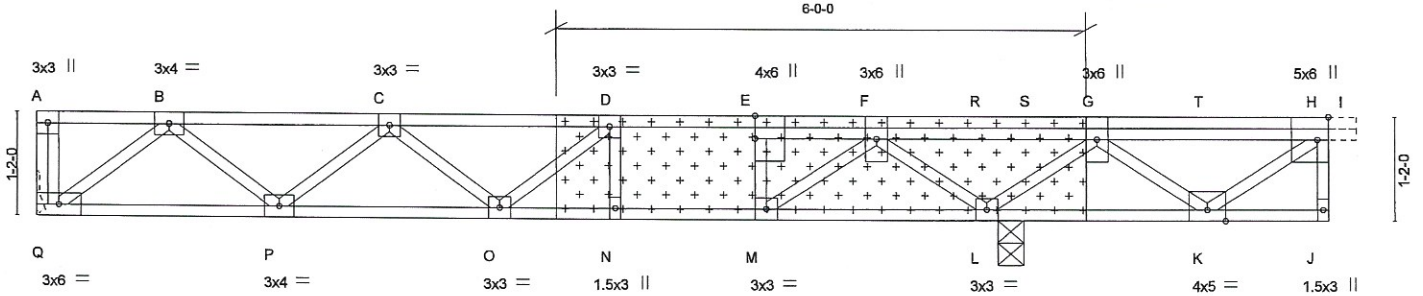
8.220 s Aug 13 2018 MITEK Industries, Inc. Mon Nov 12 08:52:42 2018 Page 1
 ID:5jEjLghwZYQaxhtX3HS77yXVRe-mg96wH_bSg4tWihowDcNrobHS?EiDKCUIInj_V7yJzp3



Scale = 1:24.4

ORIGINAL TRUSS WAS DESIGNED WITH TOP CHORD BEARING AT THE RIGHT END.
 NEW DESIGN FOR TRUSS WITH BEARING CONDITION SHOWN BELOW.

TRUSS IS NOT DESIGNED TO SUPPORT CONCENTRATED
 LOADS AT ITS CANTILEVERED END AT JOINT H.



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.

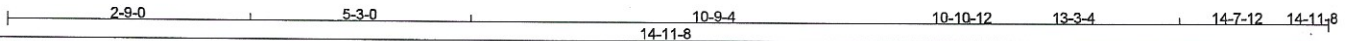


Plate Offsets (X,Y)- [E:0-3-0,0-0-0], [H:0-3-0,Edge]

| | | | | | |
|----------------------|-----------------------|-------------|----------------------------------|---------------|-----------------|
| LOADING (psf) | SPACING- 2-0-0 | CSI. | DEFL. in (loc) l/defl L/d | PLATES | GRIP |
| TCLL 40.0 | Plate Grip DOL 1.00 | TC 0.37 | Vert(LL) -0.04 O >999 480 | MT20 | 244/190 |
| TCDL 10.0 | Lumber DOL 1.00 | BC 0.29 | Vert(TL) -0.06 O >999 360 | | |
| BCLL 0.0 | Rep Stress Incr NO | WB 0.36 | Horz(TL) 0.01 L n/a n/a | | |
| BCDL 5.0 | Code IRC2009/TPI2007 | Matrix-S | | | |
| | | | | Weight: 86 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.1(flat) | BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: P-Q,J-K. |
| WEBS 2x4 SP No.3(flat) | |

REACTIONS. (lb/size) Q=480/Mechanical, L=1259/0-3-8
 Max Grav Q=558(LC 3), L=1259(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD B-C=-1015/0, C-D=-1324/114, D-E=-1296/252, E-F=-939/544, F-R=0/1155, R-S=0/1155, G-S=0/1155
 BOT CHORD P-Q=0/666, O-P=5/1330, N-O=-251/1293, M-N=-533/962, L-M=-800/425, K-L=-457/0
 WEBS H-K=-277/0, B-Q=-835/0, G-K=0/298, B-P=-11/455, G-L=-902/0, C-P=-410/57, F-L=-1087/0, F-M=0/749, D-N=-291/0, E-M=-429/0, E-N=0/572

- 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) N/A
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) 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.
 - 6) CAUTION, Do not erect truss backwards.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 56 lb down at 11-3-12, and 56 lb down at 13-3-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) 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: J-Q=-10, A-H=-100, H-I=-100
 Concentrated Loads (lb)
 Vert: S=-56(F) T=-56(F)



November 12, 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 ANSITPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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 818 Soundside Road
 Edenton, NC 27932

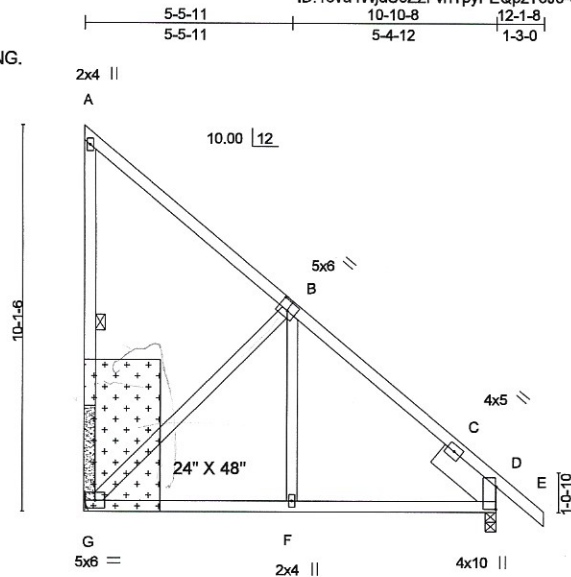
| | | | | | | |
|----------------|--------------|----------------------------|----------|----------|---|-----------|
| Job 1387130 | Truss A04 | Truss Type Roof Special | Qty 5 | Ply 1 | Floyd / 1088 Anderson Creek South Job Reference (optional) | 134984989 |
|----------------|--------------|----------------------------|----------|----------|---|-----------|

Builders FirstSource, Wellford, SC 29385

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ID:16vu4WjdU9Z2FvnTpyPEQpzToJ0-CBbOi3TdHGZTpWYnGD99RDH52zed4WetyFyrluyStyD

REPAIR:
BOTTOM 30° OF RIGHT END VERTICAL MISSING.



Scale = 1:57.1



INSTALL 2 X 4 SP NO.2
CUT TO FIT TIGHT.



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 3'S - 2 ROWS, 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.

| | | | | | | | |
|--|----------------------|-------------|-----------------------------|---------------|-------------|--|--|
| Plate Offsets (X,Y)-- [B:0-3-0,0-3-0], [D:0-7-1,0-0-3] | | | | | | | |
| LOADING (psf) | SPACING- | CSI. | DEFL. | PLATES | GRIP | | |
| TCLL 20.0 | 2-0-0 | TC 0.38 | in (loc) l/defl L/d | MT20 | 244/190 | | |
| TCDL 10.0 | Plate Grip DOL 1.15 | BC 0.37 | Vert(LL) -0.02 F-G >999 360 | | | | |
| BCLL 0.0 * | Lumber DOL 1.15 | WB 0.37 | Vert(TL) -0.06 F-G >999 240 | | | | |
| BCDL 10.0 | Rep Stress Incr YES | Matrix-MS | Horz(TL) 0.03 D n/a n/a | | | | |
| | Code IRC2009/TPI2007 | | Wind(LL) 0.05 F-J >999 240 | | | | |
| | | | | Weight: 78 lb | FT = 20% | | |

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
A-G: 2x4 SP No.2
SLIDER Right 2x8 SP DSS 1-11-12

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 A-G

REACTIONS.

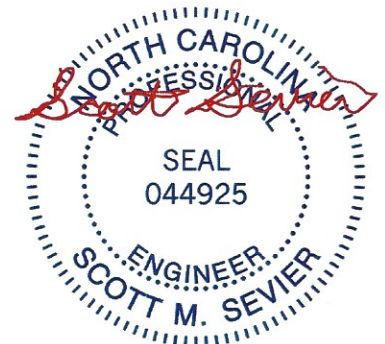
(lb/size) G=425/Mechanical, D=509/0-3-8
Max Horz G=-535(LC 9)
Max Uplift G=-366(LC 9), D=-3(LC 9)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-D=-251/0
BOT CHORD F-G=0/291, D-F=0/291
WEBS B-G=-353/357

NOTES-

- 1) Wind: ASCE 7-05; 100mph; TCCL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed; end vertical right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * 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 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) D except (jt=lb) G=366.



October 16, 2018

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