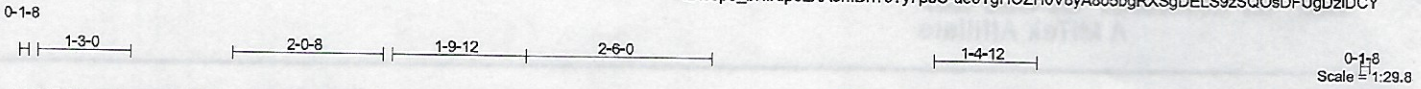


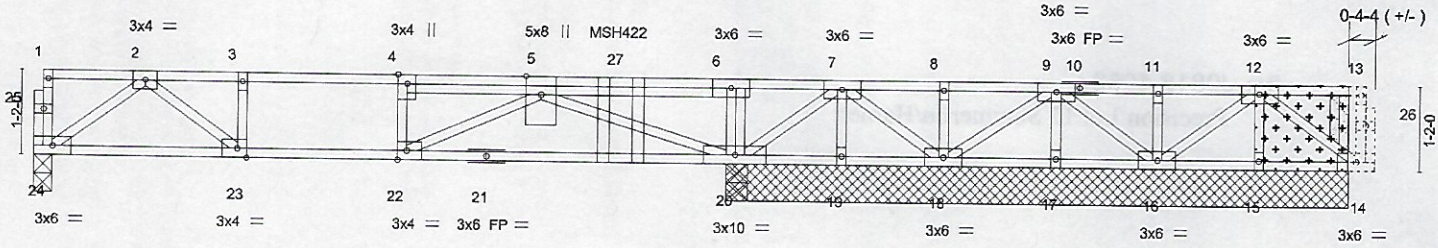
Job J0818-4062	Truss F3-GR	Truss Type Floor Girder	Qty 1	Ply 1	Precision/Lot 12 Summerlin/Harnett	E12705984
Comtech, Inc., Fayetteville, NC 28309				8.130 s Mar 11 2018 MITek Industries, Inc. Thu Feb 14 12:56:27 2019 Page 1 ID:JjP3_bNirdpeLXA5mDh757y7p3U-de0TgHOZH0V8yA805bgRXSgDELS9zSQOsDFUgDzIDCY		



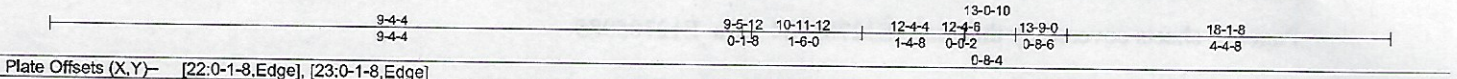
LUMBER AND CONNECTOR PLATES (SHOWN DASHED) TO BE CUT CLEANLY AND ACCURATELY AND THE REMAINING PLATE(S) MUST BE FULLY EMBEDDED AND UNDISTURBED.

INSTALL DOUBLE 4X2 SPF/DF/SP NO.2 BLOCKING AS SHOWN.

REPAIR: STUB TRUSS AS SHOWN.



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



<b>LOADING</b> (psf)	<b>SPACING-</b> 2-0-0	<b>CSI.</b>	<b>DEFL.</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 40.0	Plate Grip DOL 1.00	TC 0.52	Vert(LL) -0.04 20-22 >999 480	MT20	244/190
TCDL 10.0	Lumber DOL 1.00	BC 0.22	Vert(TL) -0.08 20-22 >999 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.41	Horz(TL) 0.01 20 n/a n/a		
BCDL 5.0	Code IRC2009/TPI2007	Matrix-S			
				Weight: 103 lb	FT = 20%F, 11%E

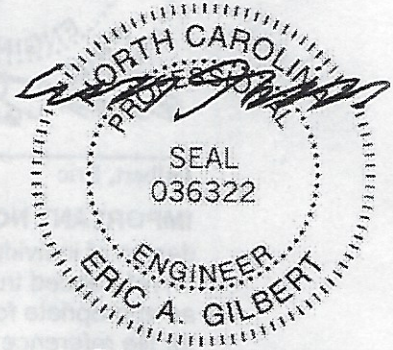
<b>LUMBER-</b>	<b>BRACING-</b>
TOP CHORD 2x4 SP No.1(flat)	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.1(flat)	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3(flat)	

**REACTIONS.** All bearings 8-9-4 except (jt=length) 24=0-3-0.  
 (lb) - Max Uplift All uplift 100 lb or less at joint(s) except 19=103(LC 3)  
 Max Grav All reactions 250 lb or less at joint(s) 14, 15, 16, 17, 18 except 24=429(LC 1), 20=1307(LC 3), 20=1282(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
 TOP CHORD 2-3=-797/0, 3-4=-797/0, 4-5=-802/0, 5-6=0/1035, 6-7=0/1060  
 BOT CHORD 23-24=0/480, 22-23=0/797, 20-22=0/504, 19-20=-448/0, 18-19=-448/0  
 WEBS 6-20=305/0, 2-24=-597/0, 2-23=0/405, 7-20=-744/0, 7-18=0/343, 5-20=-1523/0, 5-22=0/331

- NOTES-**
- 1) Unbalanced floor live loads have been considered for this design.
  - 2) All plates are 1.5x3 MT20 unless otherwise indicated.
  - 3) Plates checked for a plus or minus 1 degree rotation about its center.
  - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 103 lb uplift at joint 19.
  - 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) Use USP MSH422 (With 10d nails into Girder & 10d nails into Truss) or equivalent at 7-11-4 from the left end to connect truss(es) to back face of top chord.
  - 8) Fill all nail holes where hanger is in contact with lumber.
  - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- This is a repair drawing for an existing truss. The original truss design was based upon the building code shown. This code was specified by the project engineer/architect, or building designer. The applicability of this code in any particular jurisdiction should be verified with the building official. This determination is not the responsibility of the component/truss designer.

**LOAD CASE(S)** Standard  
 1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00  
 Uniform Loads (plf)  
 Vert: 14-24=-10, 1-13=-100  
 Concentrated Loads (lb)  
 Vert: 27=-207(B)



February 14, 2019