



ROOF & FLOOR TRUSSES & BEAMS

Reilly Road Industrial Park
Fayetteville, N.C. 28309
Phone: (910) 864-8787
Fax: (910) 864-4444

Bearing reactions less than or equal to 30000 are assumed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood piles required to support reactions greater than 30000 but not greater than 100000. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 100000.

Signature: Johnnie Baggett
Johnnie Baggett

LOAD CHART FOR JACK STUDS

BASED ON TABLES FOR JACK STUDS

HANDED UP JACK STUDS REQUIRED @ END OF MEMBER/SPAN

REACTION (KIP)	NO. JACK STUDS	REACTION (KIP)	NO. JACK STUDS
17000	1	2550	1
34000	2	5100	2
51000	3	7650	3
68000	4	10200	4
85000	5	12750	5
102000	6	15300	6
119000	7		
136000	8		
153000	9		

Pumping Drop Notes
1. Pumping drop locations shown are NOT exact.
2. Contractor to verify ALL pumping drop locations prior to setting Floor Trusses.
3. Adjust spacing as needed, not to exceed 60" on center.

Dimension Notes
1. All interior wall to wall dimensions are in feet of existing center unless otherwise noted.
2. All exterior wall dimensions are in feet of wall unless noted otherwise.
3. All interior wall to wall dimensions are in feet of wall unless noted otherwise.

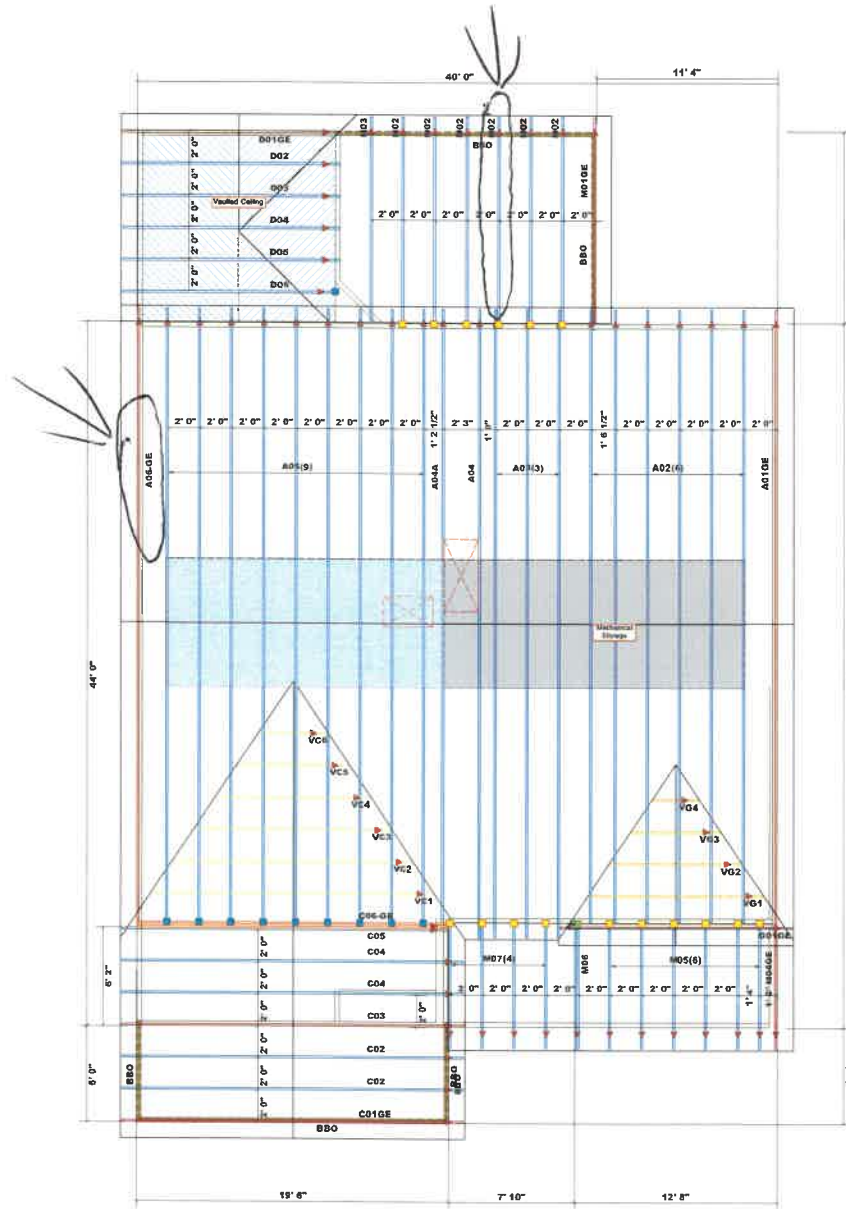
All Walls Shown Are
Considered Load Bearing

= Indicates Left End of Truss (Reference Engineered Truss Drawing)
Do Not Erect Trusses Backwards

WALL SCHEDULE

1st Floor Walls
2nd Floor Walls
Non-Bearing Walls
Garage Walls Dropped

Nail Information		Connector Information			
Truss	Header	Manufacturer	Qty	Manuf	Product
10d5"	10d5"	NA	16	USP	JUS24
18d3-1/2"	18d3-1/2"	NA	10	USP	HUS26
10d5"	18d3-1/2"	NA	1	USP	THD28-2



Truss Placement Plan
SCALE: NTS

= Indicates Left End of Truss
(Reference Engineered Truss Drawing)
Do NOT Erect Truss Backwards

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.
These trusses are designed as individual building components to be incorporated into the building design at the discretion of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including foundations, beams, walls, and columns is the responsibility of the building designer. For general guidelines regarding bracing, consult RCSI181 and RCSI183 provided with the steel delivery package or online @ steelindustry.com

BUILDER	CITY / CO.	ADDRESS	MODEL	DATE REV.	DRAWN BY	SALES REP.
New Home Inc	Fuquay-Varina / Wake	1783 Ballard Road	Roof	10/1/24	Johnnie Baggett	Paul Hawkins
JOB NAME	PLAN	SEAL DATE	QUOTE #	QUOTE #	QUOTE #	QUOTE #
Lot 10 Ballard Road	The Apex - Georgian	Seal Date	Quote #	Quote #	Quote #	Quote #
JOB #	J0924-5306					

second is at the top chord. The builder should evaluate these areas and refer to the truss manufacturer's recommendations for the repairs needed. The on site engineer should evaluate the repairs to ensure proper support is present and no damage/movement will occur.

ACG - GE COMTECH



8) WINDOW/DOOR OPENINGS AND HEADER DETAIL:

Where installed, all window/door headers were per standard building code requirements. Windows and doors were installed. One adverse condition was noted:

- One of the windows was broken/cracked at the left wall near the butler pantry area. Broken windows will not properly insulate the home and can cause injuries from the sharp edges of the glass. Have the builder replace the broken window to properly seal the home and ensure proper installation of the window flashing.



- One anchor bolt was missing the washer and nut in the pocket office #2 on the left wall. Loose/improperly placed bolts/missing nuts can cause wall movement. The builder should verify that all bolts are professionally installed per the installation standards throughout the garage/home.

P. 2



7) FRAME AND TRUSS DAMAGE and/or REPAIR:

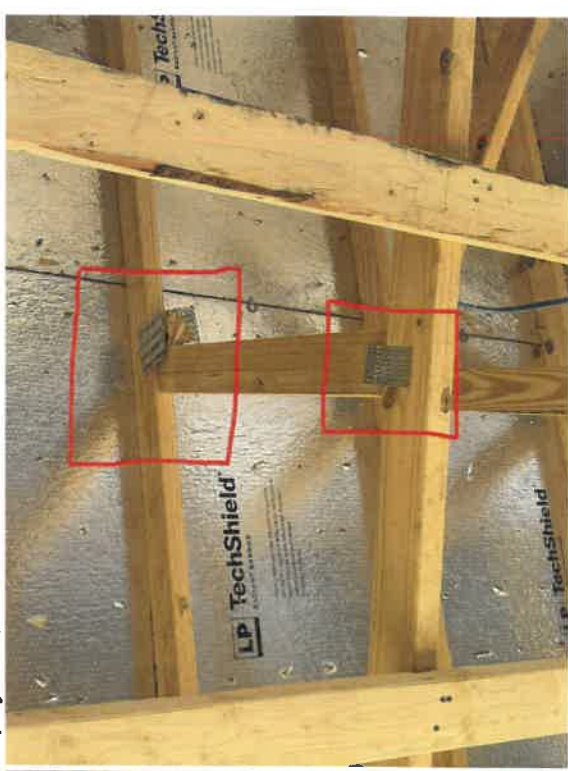
Some visible areas of damage/improper installation of the roof system and/or floor system were noted at the time of the inspection. The adverse conditions were observed:

CONTRACT

- One truss is broken/damaged at the web members and gusset plates at the rear patio roof area. Damaged trusses can reduce the support to the roof and cause damage to the surrounding trusses/roof decking over time. Cracks and damage to trusses are common during the transportation and installation process of the home. The builder should repair the damaged member according to the truss manufacturer's recommendation and have the on site engineer verify the integrity of the truss/repair. A letter of truss repair should be provided to the client at closing.

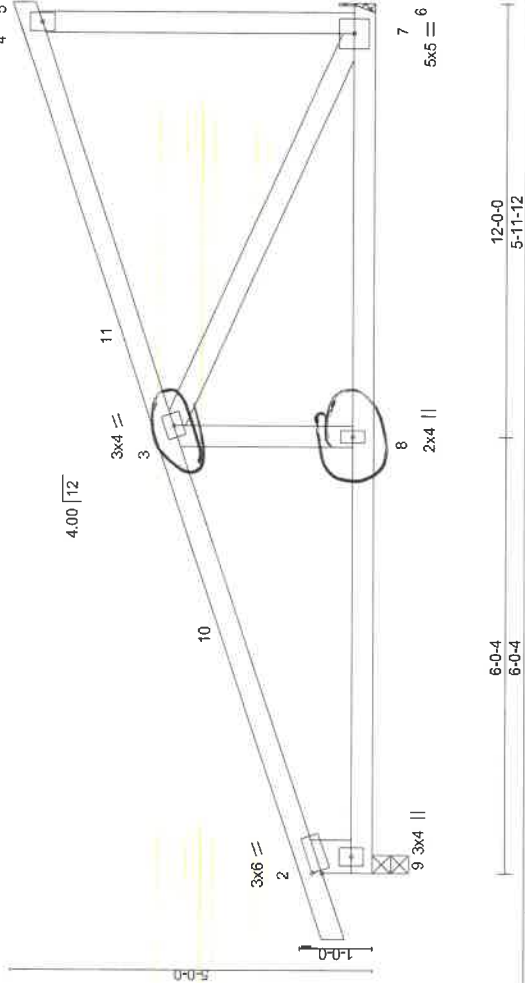
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M02



Job	Truss	Truss Type	Qty	Ply	Lot 10 Ballard Road	164359402
J0924-5306	M02	MONOPITCH	6	1		
Comtech, Inc., Fayetteville, NC - 28314,						
Job Reference (optional)						
8,430 s Jan 6 2022 MITek Industries, Inc. Wed Mar 20 08:56:37 2024 Page 1						
ID:6XJu5EDH0ALG7BK4rF8nKyOFED-R7C?P5B70Hq3NSgPqnL8w3uITXbGKWRCDo7J4zJC7f						
12-0-0						
5-11-12						

Scale = 1:30.5



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.49	Vert(LL)	-0.03	in (loc)	L/d	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.29	Vert(CT)	-0.08	7-8	>999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	-0.01	7	n/a		
BCDL	10.0	Code IRC2015/TP12014		Matrix-S		Wind(LL)	0.08	7-8	>999		
Weight: 58 lb										FT = 20%	

LUMBER-	2x4 SP No.1	BRACING-	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
TOP CHORD	2x4 SP No.1	BOT CHORD		
WEBS	2x4 SP No.2 *Except*			
	2-9: 2x6 SP No.1			

REACTIONS.	(size) 7=Mechanical, 9=0-3-0
	Max Horz 9=135(LC 8)
	Max Uplift 7=207(LC 8), 9=190(LC 8)
	Max Grav 7=468(LC 1), 9=532(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-622/523, 2-9=-453/392
BOT CHORD	8-9=-615/527, 7-8=-615/527
WEBS	3-8=-295/230, 3-7=-553/645

- NOTES-
- 1) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2) -0-11-0 to 3-5-13, Interior(1) 3-5-13 to 12-0-0 zone; end vertical left exposed; porch left 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 a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 3) * This truss has been designed for a live load of 30.0psf 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.
 - 4) Refer to girder(s) for truss to truss connections.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (J=lb) 7=207, 9=190.



March 21, 2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev 1/2/2023 BEFORE USE.

Design valid for use only with MIT-ek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a building design. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. For a complete understanding of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse. Personal injury and property damage, or general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/APRI Quality Criteria and DSS-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcacompnents.com).

TRENCO
ENGINEERING BY
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