

Joseph Bennett

Phone 252-521-5962

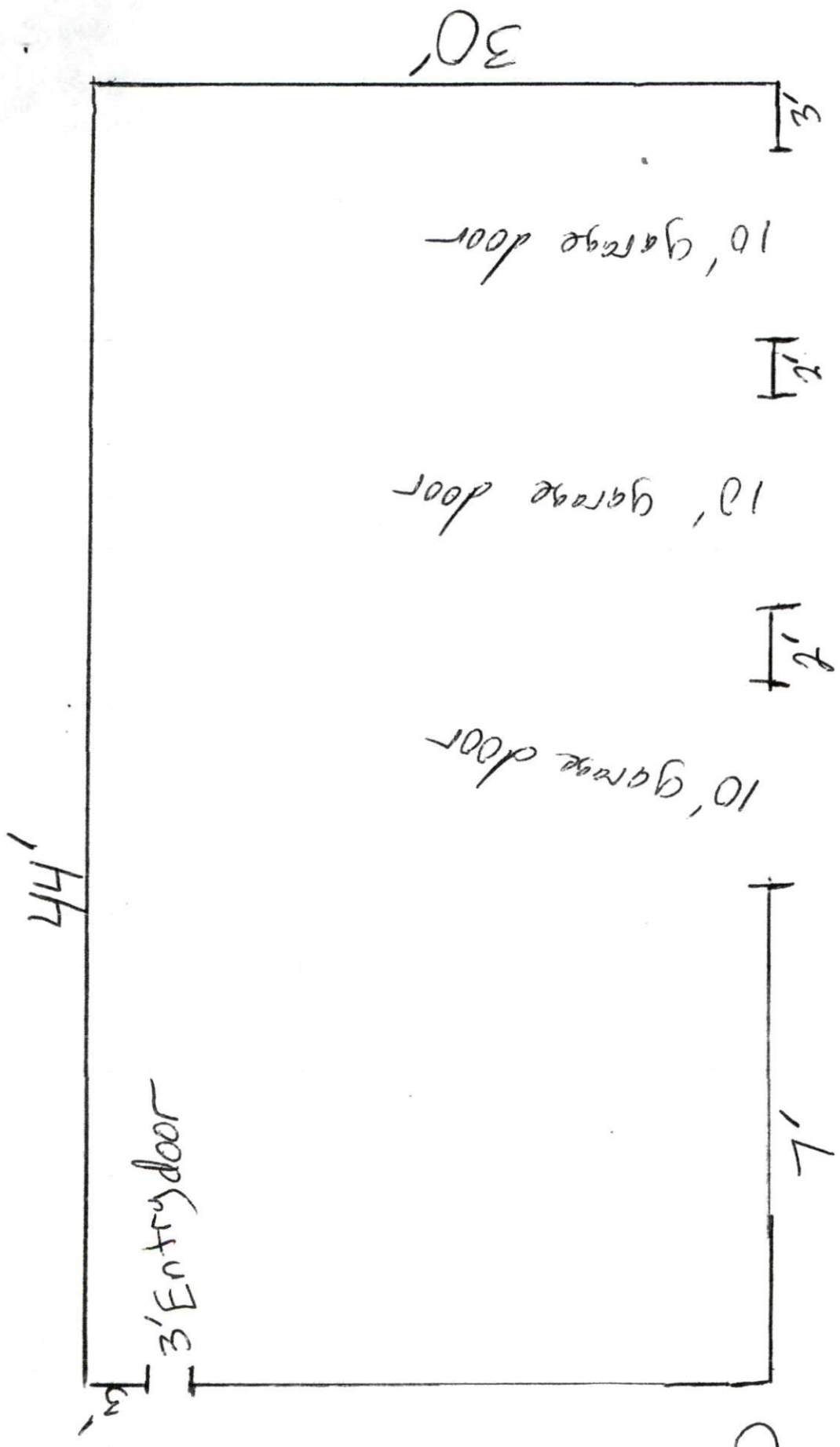
Email [joesflooring@gmail.com](mailto:joesflooring@gmail.com)

Raven Rock lot 8a

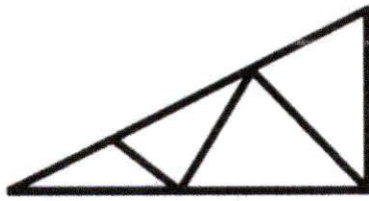
302 on Rock Ln

I am building the garage with dimensions of 30 ft x 44 ft. EJ at country fair homes is contracting the footers and slab. I will be building the rest myself. I will be getting engineered trusses from Peak truss for the roof. They will be set on 24 in centers. The walls will be 2x4 construction on 16 in centers. Walls and roof will be sheathed with ½ in plywood with plywood clips used on roof. Roofing material will be asphalt shingles with #30 felt paper underlayment and siding will be vinyl with #15 felt paper underlayment. Baseplate for the walls will be 2x6 pressure treated. I am going to have 3- 10 ft wide x 8 ft tall garage doors and 1- 3 ft entry door. I intend to use double 2x12 headers with a 6x6 steel I beam on top of that supported by 6x6 post for the garage door headers and a 6x6 ibeam for the entry door header. The walls will be 9ft 10in tall.

GARAGE







# Peak Truss Builders, LLC

PO Box 340, New Hill, NC 27562

## Comments and Clarifications

---

Job #:

**Q-1900342**

Customer:

**Value Customer**

Address:

Description:

**Joes Garage V2**

Contact:

**Joseph Bennett 252.521.5962**

Site Address:

**Lillington NC**

Notes:

Roof Trusses  
2' OC, 1' OH  
5/12 Pitch

Truss Design Date:

---

1. All exterior/bearing walls are 2x4 (3-1/2" wide) unless otherwise noted.
2. Overhang - - horizontal truss dimension is 12". Sub-fascia and fascia are beyond.
3. All perimeter dimensions on layout reflect outside to outside of the sheathing. Studs are held in 1/2" to allow sheathing to line up with edge of slab.
4. Building size changed to 30' x 44'.
5. Building designed for new code.
6. Garage door headers by customer.

---

**I have Reviewed and Approved above Clarifications:**

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

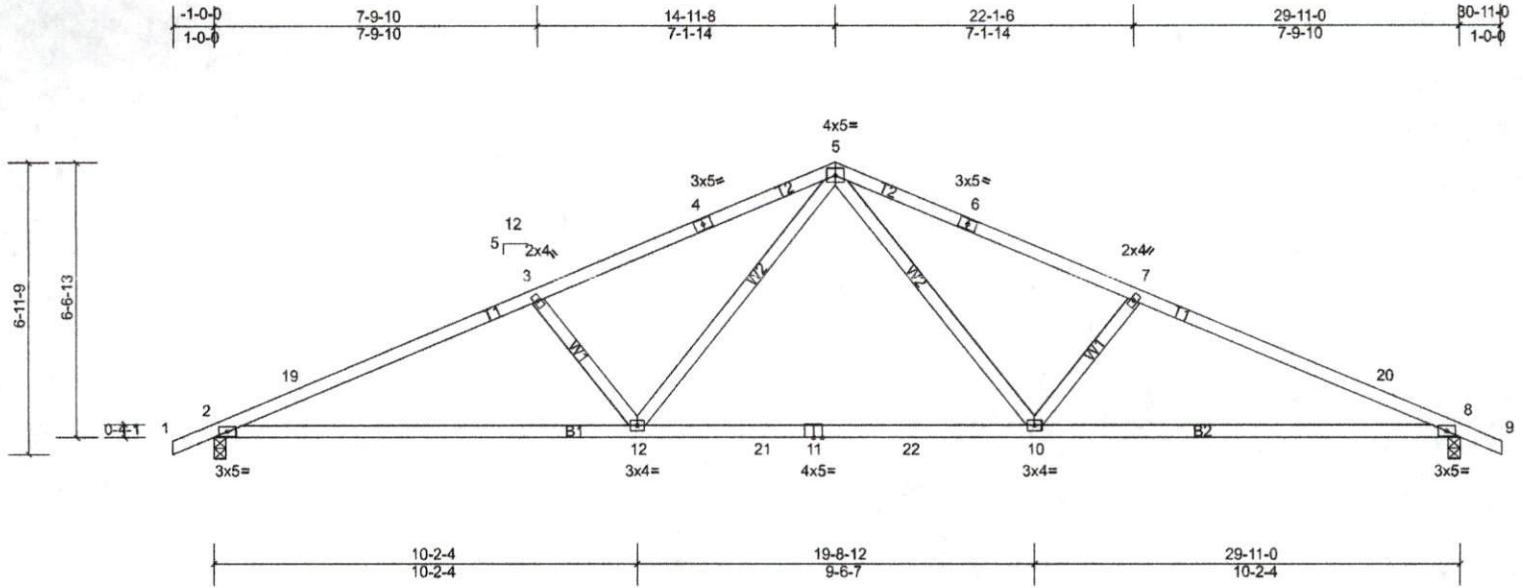
Job Q-1900342-1	Truss T1	Truss Type Common	Qty 21	Ply 1	Joes Garage V2-Roof Job Reference (optional)
--------------------	-------------	----------------------	-----------	----------	---

Peak Truss Builders LLC, New Hill, user

Run: 8.23 S Nov 4 2018 Print: 8.230 S Nov 4 2018 MiTek Industries, Inc. Tue Feb 19 08:20:42

Page: 1

ID:226Gozi0W6FoTS0oOVPuRj2y90L5-jyJLWJv7LmidACFbEWXYZAtyEo9WKINYJwARW5zjefL



Scale = 1:55.4

Loading	(psf)	Spacing	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.60	Vert(LL)	-0.28	10-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.15	BC	0.73	Vert(CT)	-0.43	12-15	>833	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code	IBC2015/TPI2014	Matrix-MS								Weight: 130 lb FT = 20%

**LUMBER**

TOP CHORD 2x4 SP No.1  
 BOT CHORD 2x4 SP No.1  
 WEBS 2x4 SP No.3

**BRACING**

TOP CHORD  
 BOT CHORD

Structural wood sheathing directly applied or 3-2-8 oc purlins.  
 Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=1257/0-3-8, (min. 0-2-0), 8=1257/0-3-8, (min. 0-2-0)  
 Max Horiz 2=-104 (LC 9)

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

TOP CHORD 2-19=-2419/120, 3-19=-2373/149, 3-4=-2148/134, 4-5=-2053/149, 5-6=-2053/149, 6-7=-2148/134, 7-20=-2373/149,  
 8-20=-2419/120

BOT CHORD 2-12=-58/2191, 12-21=0/1437, 11-21=0/1437, 11-22=0/1437, 10-22=0/1437, 8-10=-69/2191

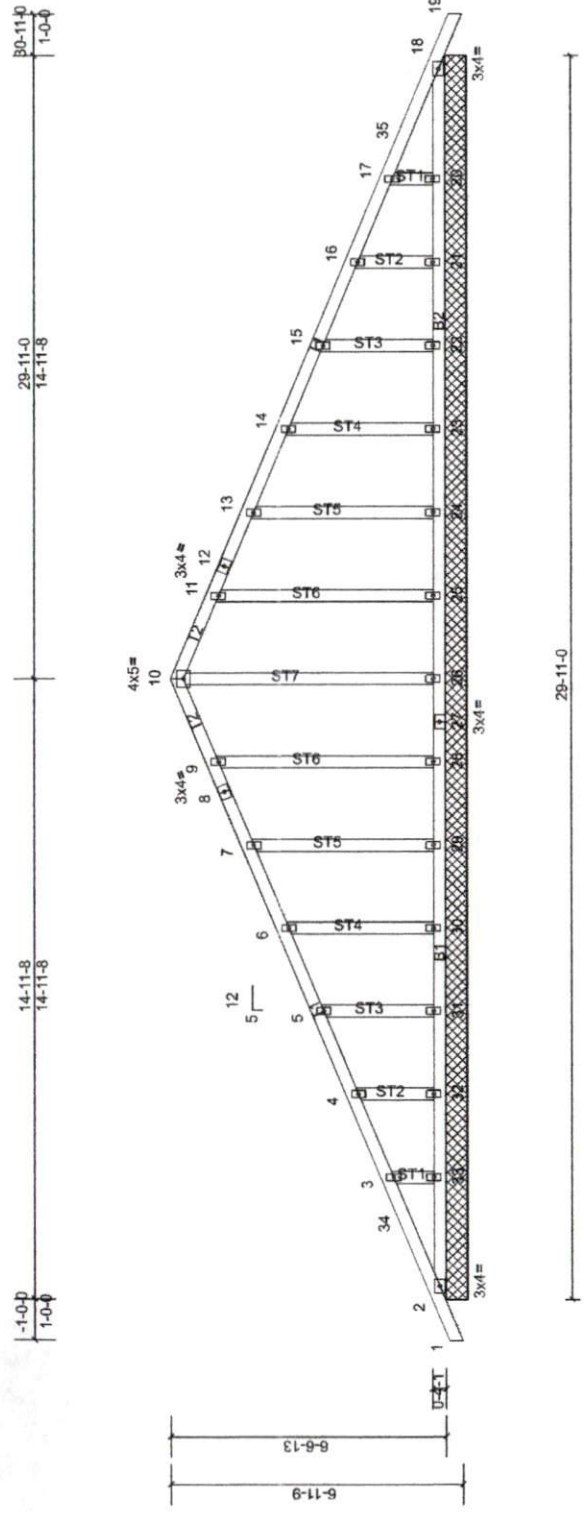
WEBS 5-10=0/815, 7-10=-499/141, 5-12=0/815, 3-12=-499/141

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDL=6.0psf; BCDL=6.0psf; h=0ft; B=45ft; L=30ft; eave=4ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Exterior (2) -1-0-0 to 2-0-0, Interior (1) 2-0-0 to 14-11-8, Exterior (2) 14-11-8 to 17-11-8, Interior (1) 17-11-8 to 30-11-0 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=1.60
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)** Standard





Scale = 1:55.5

Loading	(psf)	Spacing	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	2-0-0	Vert(LL)	n/a	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.15 TC	Vert(CT)	n/a	n/a	999		
BCLL	0.0*	Rep Stress Incr	1.15 BC	Horz(CT)	0.00	18	n/a		
BCDL	10.0	Code	YES WB Matrix-S						

Weight: 161 lb FT = 20%

**LUMBER**

- TOP CHORD 2x4 SP No.1
- BOT CHORD 2x4 SP No.1
- OTHERS 2x4 SP No.3

**REACTIONS** All bearings 29-11-0.

- (lb) - Max Horiz. 2=104 (LC 10)
- Max Grav. All reactions 250 (lb) or less at joint(s) 2, 18, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31, 32, 33

**FORCES**

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

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=95mph; TCDDL=6.0psf, BCDL=6.0psf, h=0ft; B=45ft; L=30ft; eaves=2ft; Cat. II; Exp B; Enclosed; MWFRS (directional) and C-C Corner (3) -1-0-0 to 2-0-0, Exterior (2) 2-0-0 to 14-11-8, Corner (3) 14-11-8 to 17-11-8, Exterior (2) 17-11-8 to 30-11-0 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=1.60
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

**LOAD CASE(S)**

Standard

**BRACING**

- TOP CHORD
- BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purfins.  
 Rigid ceiling directly applied or 10-0-0 oc bracing.  
 MITek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.