

JOB	Truss	Truss Type	Qty	Ply	34 Cokesbury Park Garage
SERV0726-1	T1GE	Common Supported Gable	2	1	

Peak Truss Builders, LLC, New Hill, NC - 27562

Run: 8:200 s Dec 12 2017 Print: 8:200 s Dec 12 2017 MITek Industries, Inc. Thu, Jul 26 16:22:42 2018 Page: 1
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 25-0-0
 24-0-0
 0-3-8
 scale = 1:42.0

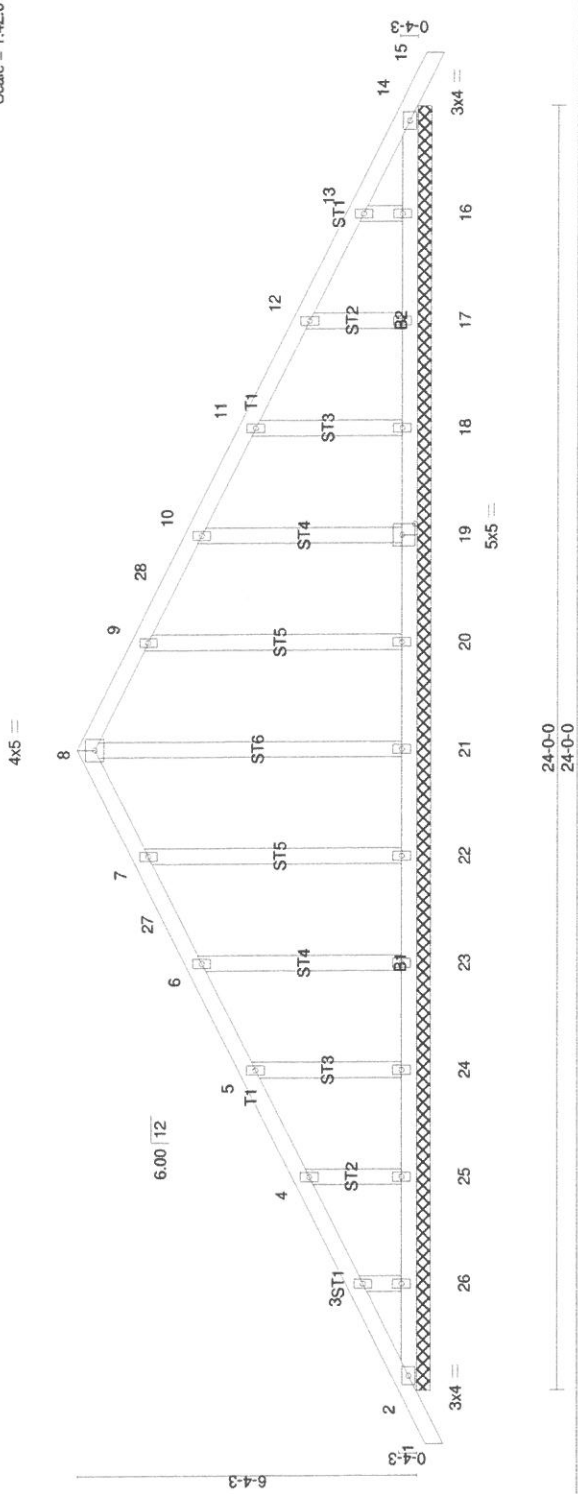


Plate Offsets (X, Y) - [19:0:2-8,0,-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.15	TC 0.05	Vert(LL) -0.00	15	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.02	Vert(TL) -0.00	15	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.07	Horz(TL) 0.00	14	n/a	n/a		
BCDL 10.0	Code IBC2009/TPI2007	Matrix-S						Weight: 130 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD
 BOT CHORD

Structural wood sheathing directly applied or 6-0-0 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. All bearings 24-0-0

(lb) - Max Horz 2=106(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 2, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16, 14

Max Grav All reactions 250 lb or less at joint(s) 2, 21, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16, 14

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 7-05; 100mph; TCWL=6.0psf; BCDL=6.0psf; h=25ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; enclosed; MWFRS (all heights) and C-C Corner(3) -1-0-0 to 2-0-0, Exterior(2) 2-0-0 to 12-0-0, Corner(3) 12-0-0 to 15-0-0 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.
- This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 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 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 22, 23, 24, 25, 26, 20, 19, 18, 17, 16, 14.
- This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

44097

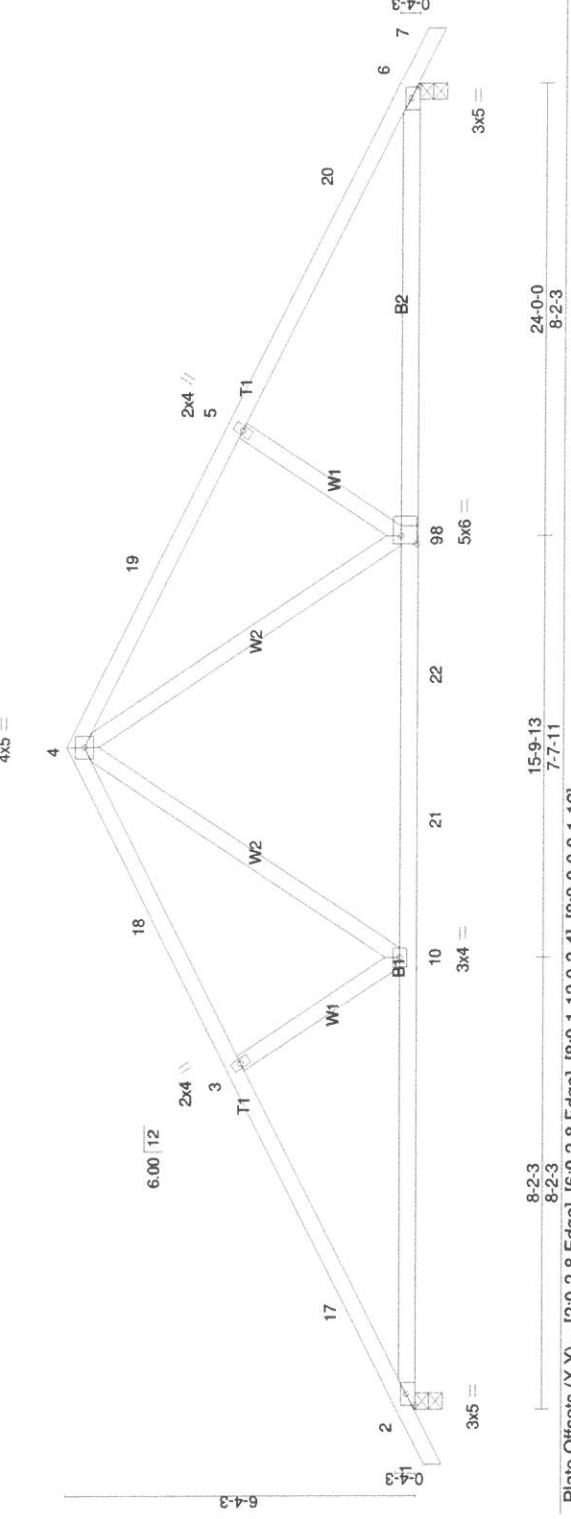


Plate Offsets (X, Y) = [2-0-2-8, Edge], [6-0-2-8, Edge], [8-0-1-12, 0-3-4], [8-0-0-0, 0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TC LL 20.0	Plate Grip DOL 2-0-0	TC 0.31	Vert(LL) -0.12	9-10	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.15	BC 0.42	Vert(TL) -0.25	9-10	>999	180		
BC LL 0.0 *	Rep Stress Incr YES	WB 0.22	Horz(TL) 0.05	6	n/a	n/a		
BCDL 10.0	Code IBC2009/TPI2007	Matrix-MS						

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 4-10-11 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=1020/0-3-8 (min. 0-1-8), 6=1020/0-3-8 (min. 0-1-8)
 Max Horz. 2=-106(LC 8)
 Max Uplift 2=-84(LC 10), 6=-84(LC 10)

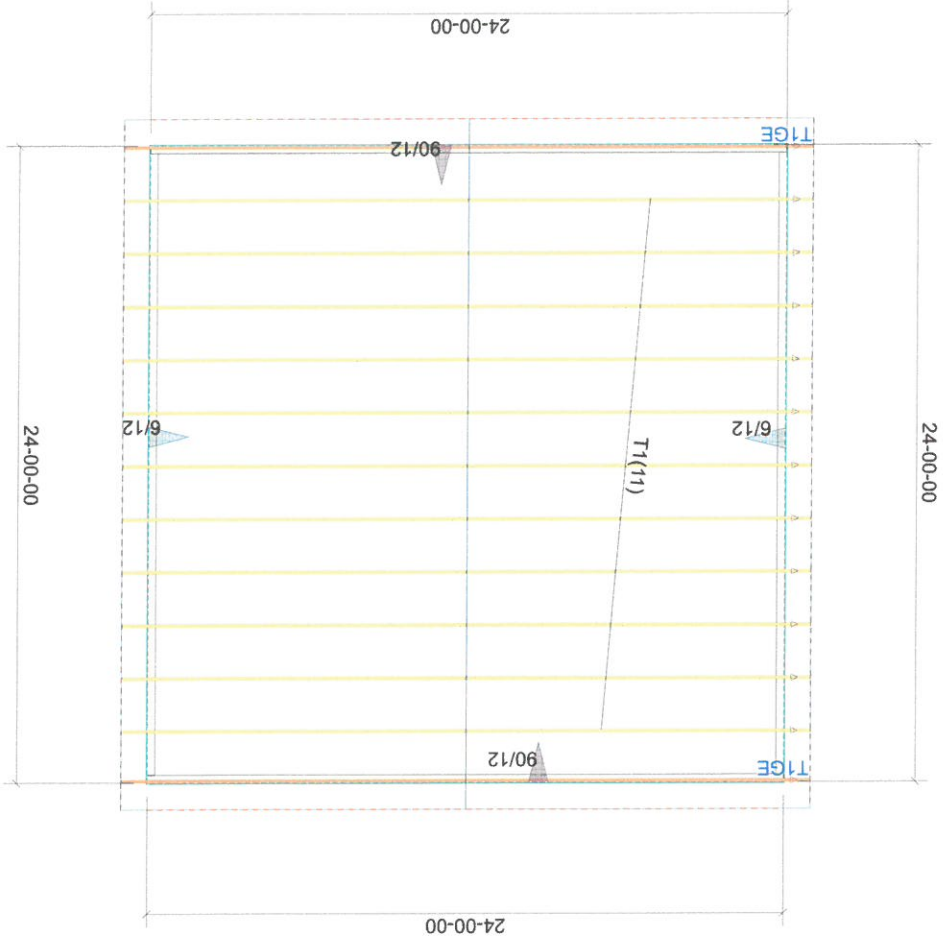
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-17=-1596/178, 3-17=-1524/205, 3-18=-1411/206, 4-18=-1326/222, 4-19=-1326/222,
 5-19=-1411/206, 5-20=-1524/205, 6-20=-1596/178
 BOT CHORD 2-10=-91/1363, 10-21=-1/913, 21-22=-1/913, 9-22=-1/913, 8-9=-106/1363, 6-8=-106/1363
 WEBS 4-9=-43/524, 5-9=-341/153, 4-10=-43/524, 3-10=-341/153

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 100mph; TC DL=6.0psf; BC DL=6.0psf; h=25ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; enclosed; MWFRS (all heights) and C-C Exterior(2) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 12-0-0, Exterior(2) 12-0-0 to 15-0-0 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 basic load combinations, which include cases with reductions for multiple concurrent live loads.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 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, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 2 and 84 lb uplift at joint 6.
 - This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

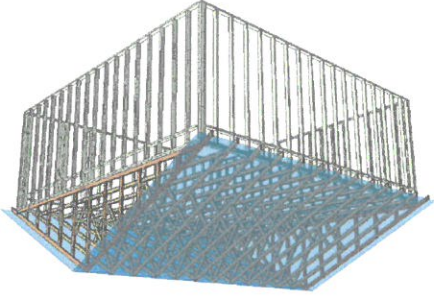
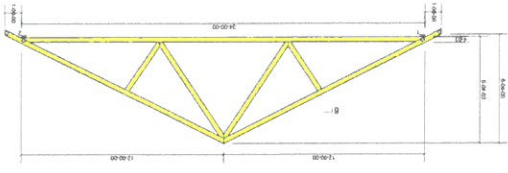
LOAD CASE(S) Standard

THIS LAYOUT IS TO BE USED AS A TRUSS PLACEMENT GUIDE ONLY.
 PLEASE REFER TO BUILDING PLANS FOR BUILDING CONSTRUCTION AND DETAILS,
 SUCH AS PLUMBING OR DUCT DROPS.

**34 COKESBURY PARK GARAGE
 ROOF TRUSSES
 2' OC, 1' OH**



- Notes:
 1. Excluded dimensions shown are assumed to be
 2. Adjust truss locations as needed for plumbing and mechanical clearance. Unless otherwise noted, trusses may be shipped as long as C spacing shown is not exceeded.
 3. Do not cut, drill, or otherwise damage any part of any truss without prior approval from Peak Truss.
 4. Do not approve drawings if any information herein is unclear. Once ordered trusses will be fabricated as approved.
 5. Please contact Peak Truss Builders with any questions. We are available to help any way we can. We can be reached at 919-455-5556 or sales@peaktruss.com
- Truss connections by others:
 (N) Nailed
 (L) Ledger
- Trusses are designed for additional storage load wherever a 4'x4" Bottom Chord Live Load 0# PSF Top Chord Live Load 10# PSF Top Chord Dead Load 20# PSF Bottom Chord Live Load 0# PSF Bottom Chord Dead Load 10# PSF



Peak Truss Builders, LLC
 PO Box 340, New Hill, NC 27562

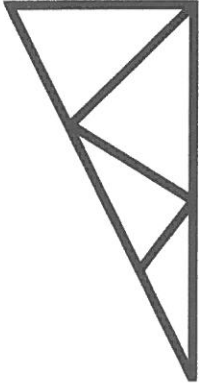
Service Building Supply - Raleigh
 1600 Wolfpack Ln
 Raleigh, NC

Date Quoted: 07/26/18
 Designer: SB

34 Cokesbury Park Garage
 Fuquay Varina NC

Job #
 SERV0726-1

PROPOSED DESIGN - NOT FOR CONSTRUCTION



Peak Truss Builders, LLC

P.O. Box 340 • New Hill, NC 27562 • (919) 552-5933 • (919) 552-4014 FAX

AGREEMENT TO PURCHASE TRUSSES

Job #:

SERV0726-1

Builder:

Service Building Supply - Rale

Address:

**1600 Wolfpack Ln
Raleigh, NC -**

**O: (919) 776-1500
F: (919) 776-1542**

Date:

07/26/18 16:20:37

Description:

34 Cokesbury Park Garage

Site Address:

Fuquay Varina, NC -

Contact:

Chad Goldston
() - ()

Notes:

Roof Trusses
2' OC, 1' OH

Please Review the terms and conditions for the above captioned job

I have examined the attached design package and agree to purchase from PEAK TRUSS BUILDERS, LLC (hereinafter Peak) the articles therein described. I acknowledge that the layouts and truss designs attached hereto have been produced using plans and data provided to Peak by me, and having examined them, do hereby agree that the products represented by these designs are acceptable for use in the structure I intend to build. I agree that orders may not be cancelled once material has been cut for the job.

I agree that any verbal orders shall incorporate all of the terms and conditions contained herein, and that verbal orders, once accepted by Peak, are binding upon the purchaser.

I acknowledge that it is my responsibility to verify quantities, spans, pitches, overhangs, bearing locations, point load locations, size and location of required openings, and other contractor-verifiable items related to the proper function and appearance of these products, and to notify Peak at least five days prior to the scheduled cutting and/or manufacture of the products described herein of any changes I want made. I acknowledge loads imposed. I acknowledge that Peak is responsible only for the design of the components supplied by Peak, and is not responsible for building design.

DELIVERY: I agree to provide for a reasonably smooth, level, and accessible area for delivery of trusses at the job site. I understand that trusses are delivered on a 60' long "roll-off" tractor-trailer, and I will insure that the approach path to the desired drop location is straight, level, compacted, and with clear width and height of at least 13 1/2 feet. Should Peak's delivery truck arrive at the jobsite and find that these conditions are not met, I will be responsible for re-delivery costs. Should Peak attempt to deliver despite these conditions not being met, I accept full responsibility for all damage caused by such unlevel ground or obstructions. Should the delivery vehicle get stuck on my jobsite, I agree to pay reasonable and actual towing costs.

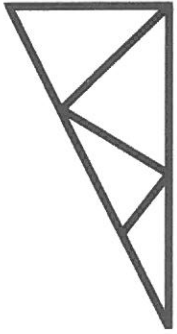
If I am not present at the jobsite at the time of delivery, I authorize Peak to use their reasonable judgement in deciding whether and where to unload the order, and do hereby indemnify Peak from any liability for damages resulting from the exercise thereof. I agree that estimated delivery dates and times are made on a "best effort" basis, and that Peak shall not be liable for costs occasioned by delays in delivery.

INSTALLATION: I understand that it is my responsibility to be knowledgeable of the warnings and recommendations related to the safe handling and erecting of wood trusses as described in WTCA Manual BCSI 1-03 or its equivalent. I understand and agree that I, as the builder/contractor, am solely responsible for the safe and proper installation of these products, and to ensure that the installation is in conformance with engineering and bracing notes included as part of the design package.

BRACING: I understand that Truss Bracing and Building Bracing are the responsibility of the Engineer of Record. Peak will provide guidance on the types and recommended locations for bracing, but it is my responsibility to understand and oversee the overall Bracing Design for the building of which trusses are a part.

SIGNED: _____

DATE: _____



Peak Truss Builders, LLC

P.O. Box 340 • New Hill, NC 27562 • (919) 552-5933 • (919) 552-4014 FAX

COMMENTS AND CLARIFICATIONS

Job #: **SERV0726-1**

Description:

Notes:

Builder: **Service Building Supply - Rale**

34 Cokesbury Park Garage

Roof Trusses
2' OC, 1' OH

Address:

Site Address:

1600 Wolfpack Ln

Fuquay Varina, NC -

Raleigh, NC -

O: (919) 776-1500

Contact:
Chad Goldston

F: (919) 776-1542

() - ()

Truss Design Date:

07/26/18 16:20:20

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 stud. Wall studs are to line up with edge of slab, and sheathing is beyond.

I have Reviewed and Approved above Clarifications:

SIGNED: _____

DATE: _____