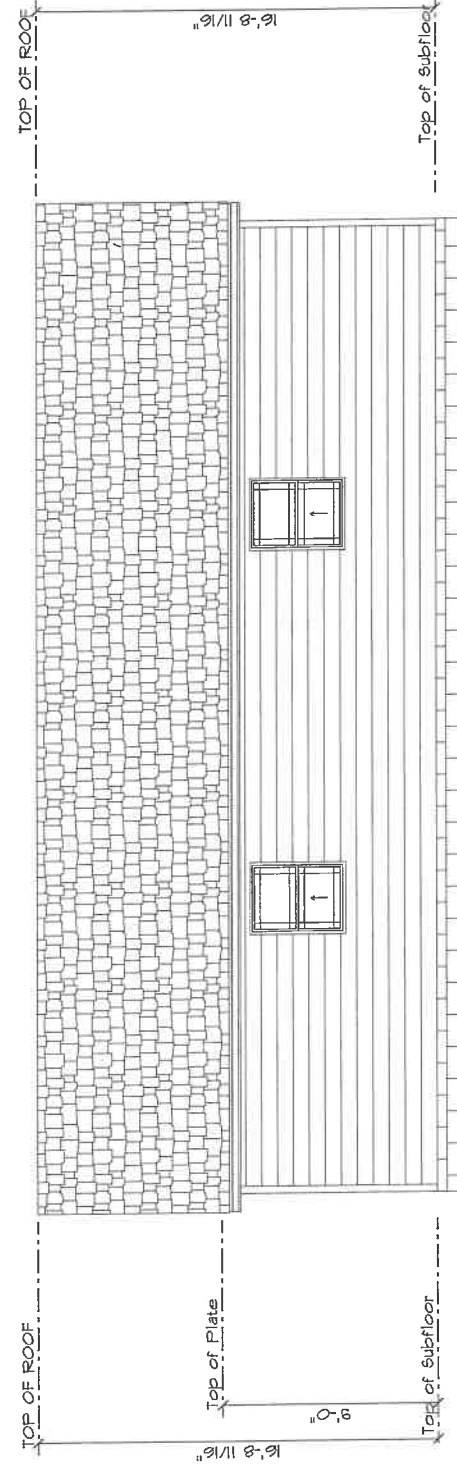
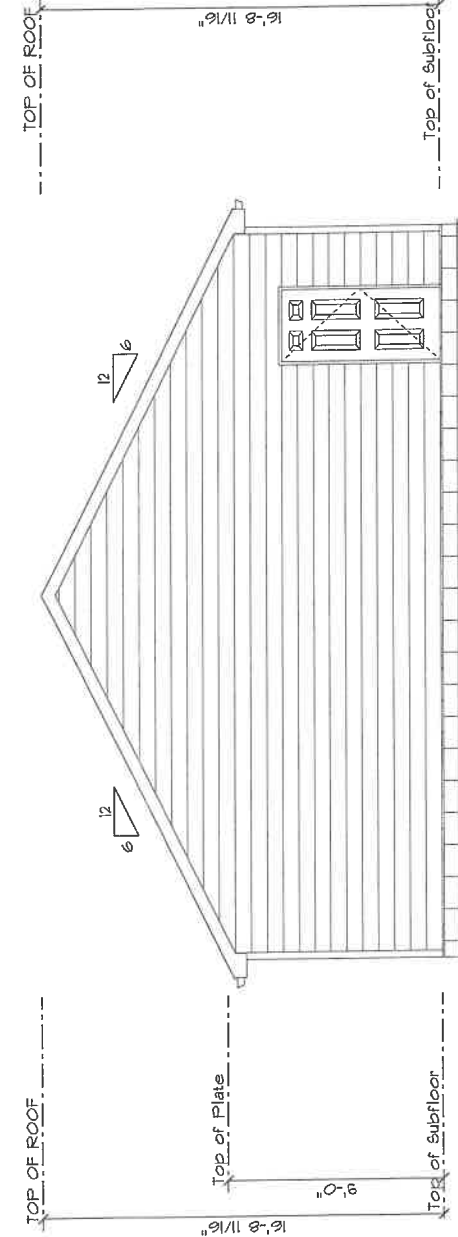


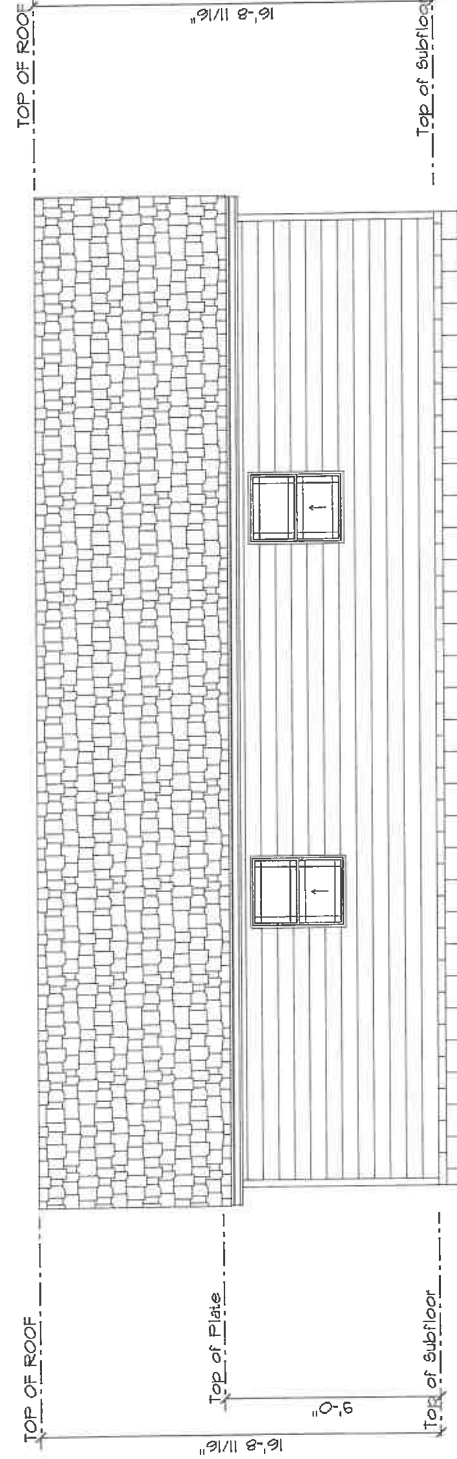
Front Elevation- Weiss Accessory Bldg.
4894 NC 27W, Lillington, NC 27546
1/8"=1'



Right Elevation- Weiss Accessory Bldg.
4894 NC 27W, Lillington, NC 27546
1/8"=1'



Rear Elevation- Weiss Accessory Bldg.
4894 NC 27W, Lillington, NC 27546
1/8"=1'



Left Elevation- Weiss Accessory Bldg.
4894 NC 27W, Lillington, NC 27546
1/8"=1'

NOTICE TO CONTRACTOR
All construction shall comply with applicable Building Codes
and all regulations with the code.

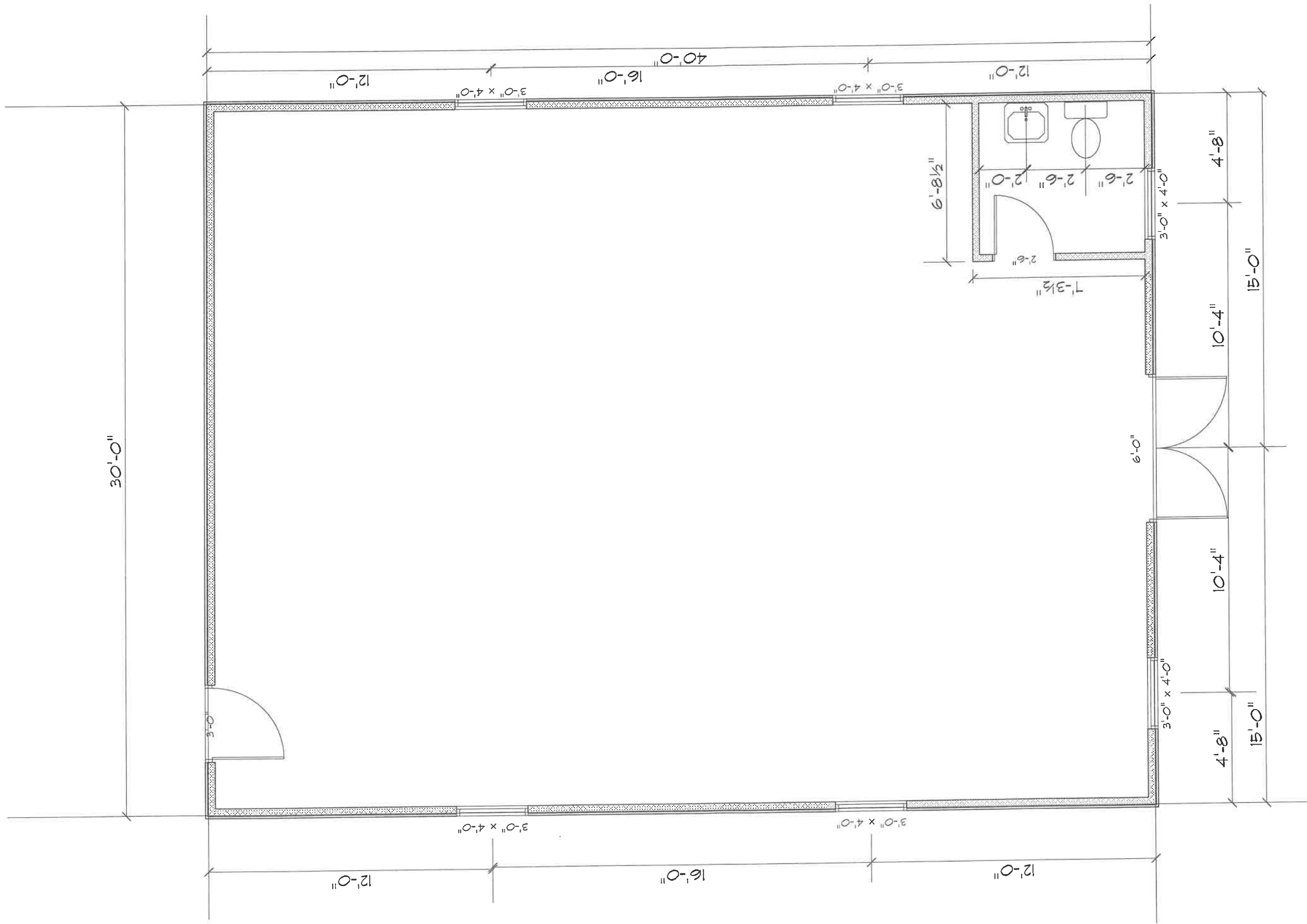
APPROVED
Limited liability only under
Permit holder responsible for
all compliance with the code.

02/28/2022

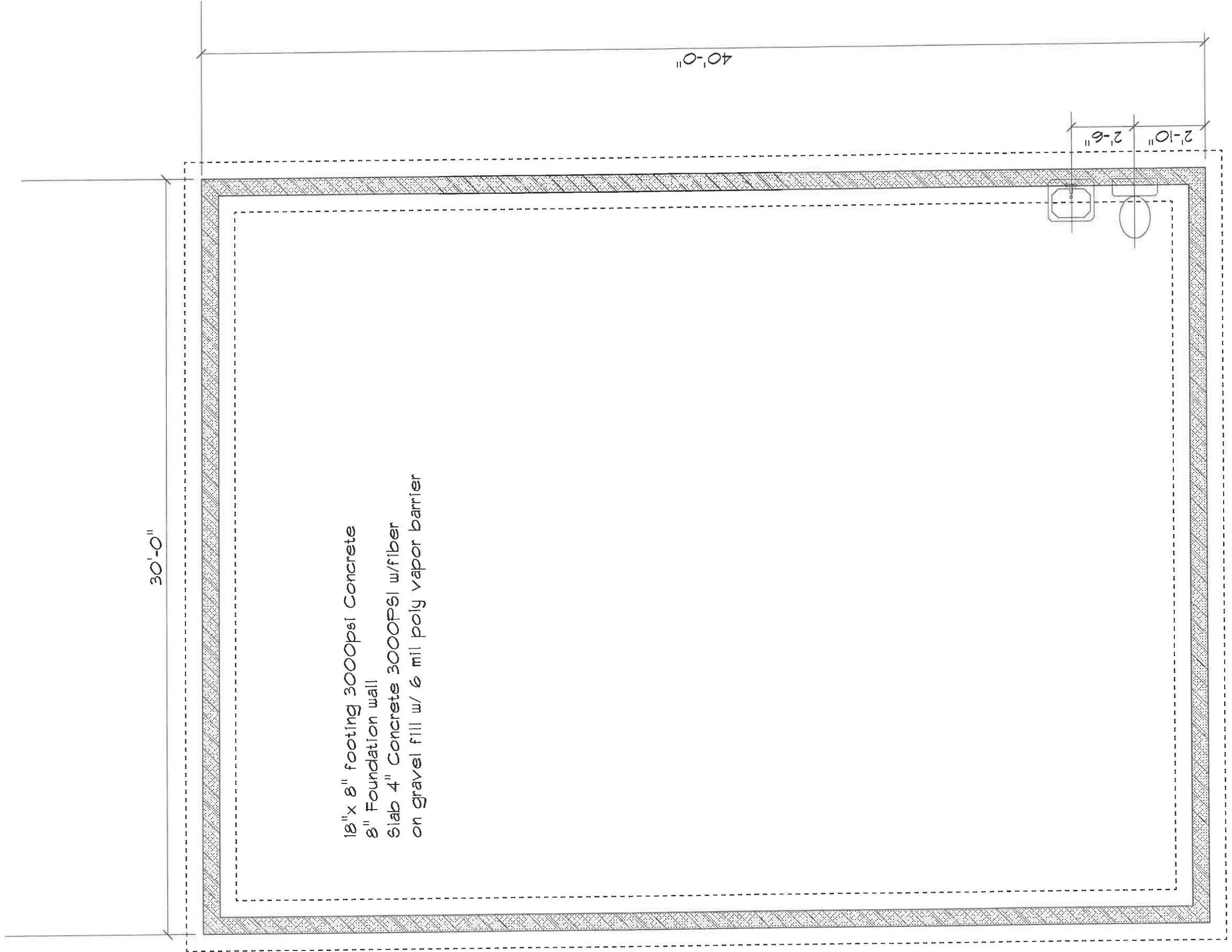
Boyer

Harnett
COUNTY
NORTH CAROLINA

Weiss Accessory Bldg
4894 NC 27W, Lillington NC 27546
Drawn by Custom Contracting Corp.
NCLBGC #8664 1-19-22
12008F



Weiss Accessory Bldg Floor Plan
 4894 NC 27W, Lillington, NC 27546
 Drawn by Custom Contracting Corp
 NCLBGC #8664 1-19-22
 1200 SF 1/4"=1'



Weiss Accessory Bldg. Foundation Plan
 4894 NC 27W, Lillington, NC 27546
 Drawn By Custom Contracting Corp.
 NCLBGC #8664 1-19-22
 1200 SF 1/4"=1'

Trenco
818 Soundside Rd
Edenton, NC 27932

Re: 21070050-A
4894 HWY 27-Garage

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by Carter Components (Sanford, NC)).

Pages or sheets covered by this seal: I49884698 thru I49884699

My license renewal date for the state of North Carolina is December 31, 2022.

North Carolina COA: C-0844



January 26, 2022

Sevier, Scott

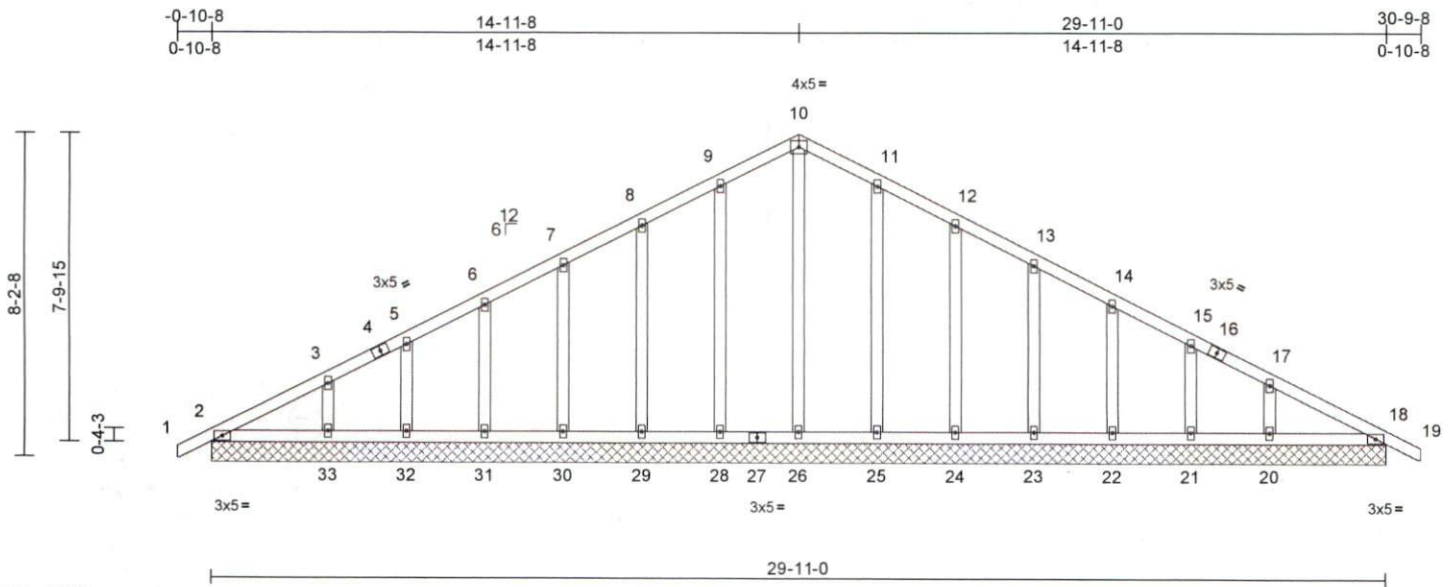
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.

Job 21070050-A	Truss AE	Truss Type Common Supported Gable	Qty 2	Ply 1	4894 HWY 27-Garage Job Reference (optional)	149884698
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Carter Components (Sanford), Sanford, NC - 27332,

Run: 8 53 S Dec 6 2021 Print: 8 530 S Dec 6 2021 MiTek Industries, Inc. Tue Jan 25 14:00:51
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Page: 1



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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.06	Vert(CT)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	37	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 176 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size)
2=141/29-11-0, 18=141/29-11-0,
20=202/29-11-0, 21=119/29-11-0,
22=146/29-11-0, 23=139/29-11-0,
24=140/29-11-0, 25=145/29-11-0,
26=120/29-11-0, 28=145/29-11-0,
29=140/29-11-0, 30=139/29-11-0,
31=146/29-11-0, 32=119/29-11-0,
33=202/29-11-0, 34=141/29-11-0,
37=141/29-11-0
Max Horiz 2=-85 (LC 13), 34=-85 (LC 13)
Max Uplift 2=-1 (LC 11), 20=-24 (LC 16),
21=-14 (LC 16), 22=-17 (LC 16),
23=-16 (LC 16), 24=-18 (LC 16),
25=-14 (LC 16), 28=-15 (LC 15),
29=-18 (LC 15), 30=-16 (LC 15),
31=-17 (LC 15), 32=-14 (LC 15),
33=-25 (LC 15), 34=-1 (LC 11)
Max Grav 2=169 (LC 2), 18=169 (LC 2),
20=237 (LC 34), 21=140 (LC 2),
22=171 (LC 34), 23=163 (LC 34),
24=164 (LC 2), 25=201 (LC 23),
26=156 (LC 32), 28=201 (LC 22),
29=164 (LC 2), 30=163 (LC 33),
31=171 (LC 33), 32=140 (LC 2),
33=237 (LC 33), 34=169 (LC 2),
37=169 (LC 2)

TOP CHORD 1-2=0/29, 2-3=-101/64, 3-5=-79/52,
5-6=-67/59, 6-7=-61/86, 7-8=-59/133,
8-9=-76/183, 9-10=-93/228, 10-11=-93/228,
11-12=-76/183, 12-13=-59/133,
13-14=-44/86, 14-15=-43/38, 15-17=-53/17,
17-18=-83/40, 18-19=0/29
BOT CHORD 2-33=34/127, 32-33=-34/127,
31-32=-34/127, 30-31=-34/127,
29-30=-34/127, 28-29=-34/127,
26-28=-34/127, 25-26=-34/127,
24-25=-34/127, 23-24=-34/127,
22-23=-34/127, 21-22=-34/127,
20-21=-34/127, 18-20=-34/127
WEBS 10-26=-136/3, 9-28=-161/75, 8-29=-124/83,
7-30=-124/79, 6-31=-128/81, 5-32=-112/76,
3-33=-163/97, 11-25=-161/75,
12-24=-124/83, 13-23=-124/79,
14-22=-128/81, 15-21=-112/76,
17-20=-163/97

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 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=1.33
3) 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.
4) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load); Lumber DOL=1.15 Plate DOL=1.15; Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow); Lumber DOL=1.15 Plate DOL=1.15; Category II; Exp B; Fully Exp.; Ct=1.10

FORCES (lb) - Maximum Compression/Maximum Tension

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

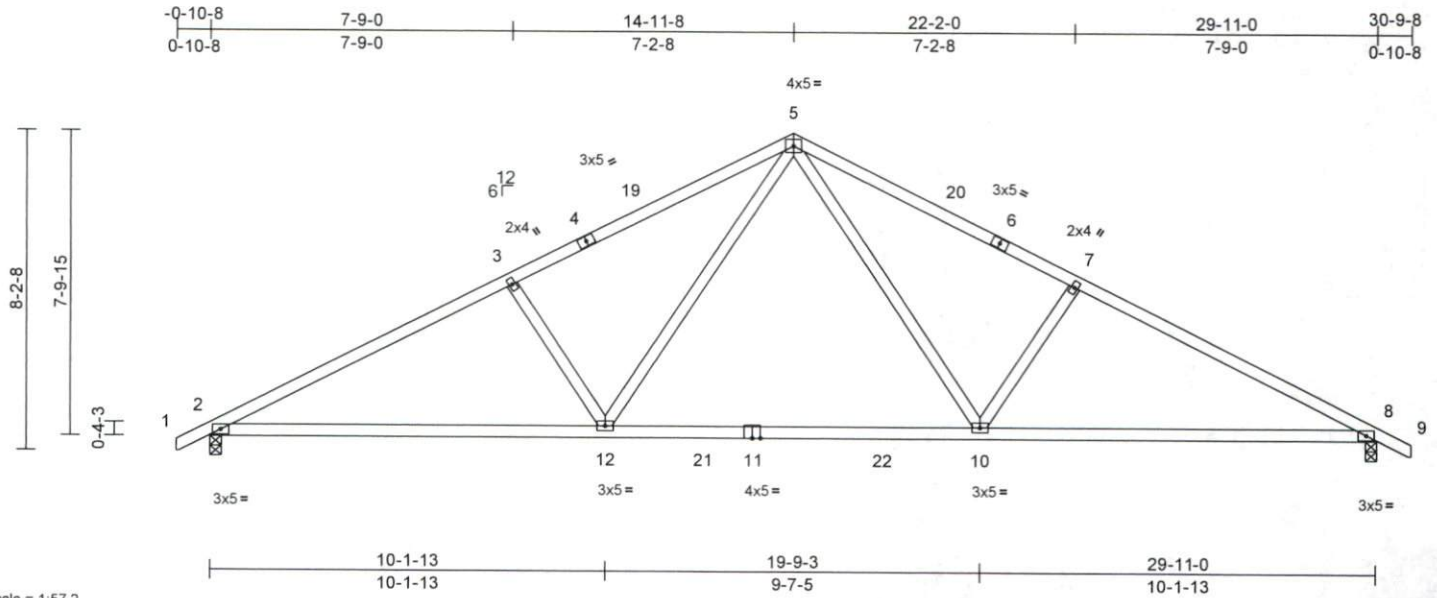
818 Soundside Road
Edenton, NC 27932

Job 21070050-A	Truss A	Truss Type Common	Qty 19	Ply 1	4894 HWY 27-Garage Job Reference (optional)	149884699
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Carter Components (Sanford), Sanford, NC - 27332.

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Page: 1



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	0.83	Vert(LL)	-0.35	10-12	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.74	Vert(CT)	-0.48	10-12	>753	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.06	8	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0											
											Weight: 136 lb	FT = 20%

- LUMBER**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.1
WEBS 2x4 SP No.3
- BRACING**
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
- REACTIONS (lb/size)** 2=1090/0-3-8, 8=1090/0-3-8
Max Horiz 2=-85 (LC 13)
Max Grav 2=1284 (LC 2), 8=1284 (LC 2)
- FORCES (lb) - Maximum Compression/Maximum Tension**
TOP CHORD 1-2=0/29, 2-3=-2169/505, 3-5=-1939/519, 5-7=-1939/519, 7-8=-2169/505, 8-9=0/29
BOT CHORD 2-12=-333/1888, 10-12=-99/1235, 8-10=-335/1888
WEBS 5-10=-153/769, 7-10=-487/284, 5-12=-153/769, 3-12=-487/284
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.
6) * 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.
7) One H2.5A Simpson Strong-Tie connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 8. This connection is for uplift only and does not consider lateral forces.
8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.
- LOAD CASE(S)** Standard

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) 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=1.33
 - TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
 - Unbalanced snow loads have been considered for this design.



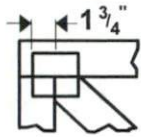
January 26, 2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

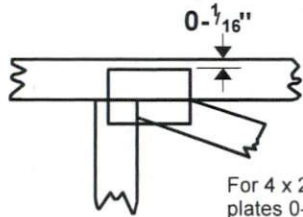
ENGINEERING BY
TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.



This symbol indicates the required direction of slots in connector plates.

* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 x 4

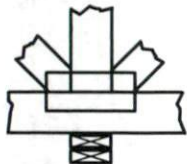
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

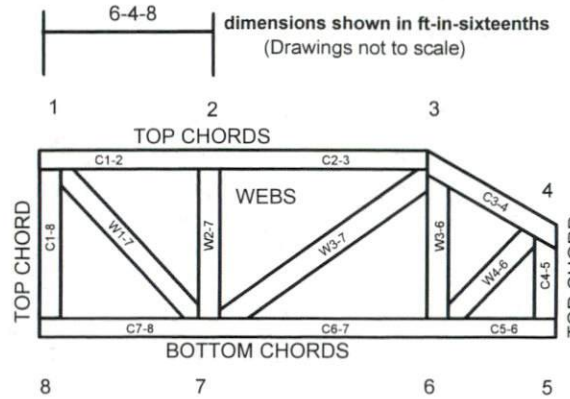


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

- ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
 DSB-89: Design Standard for Bracing.
 BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
 ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

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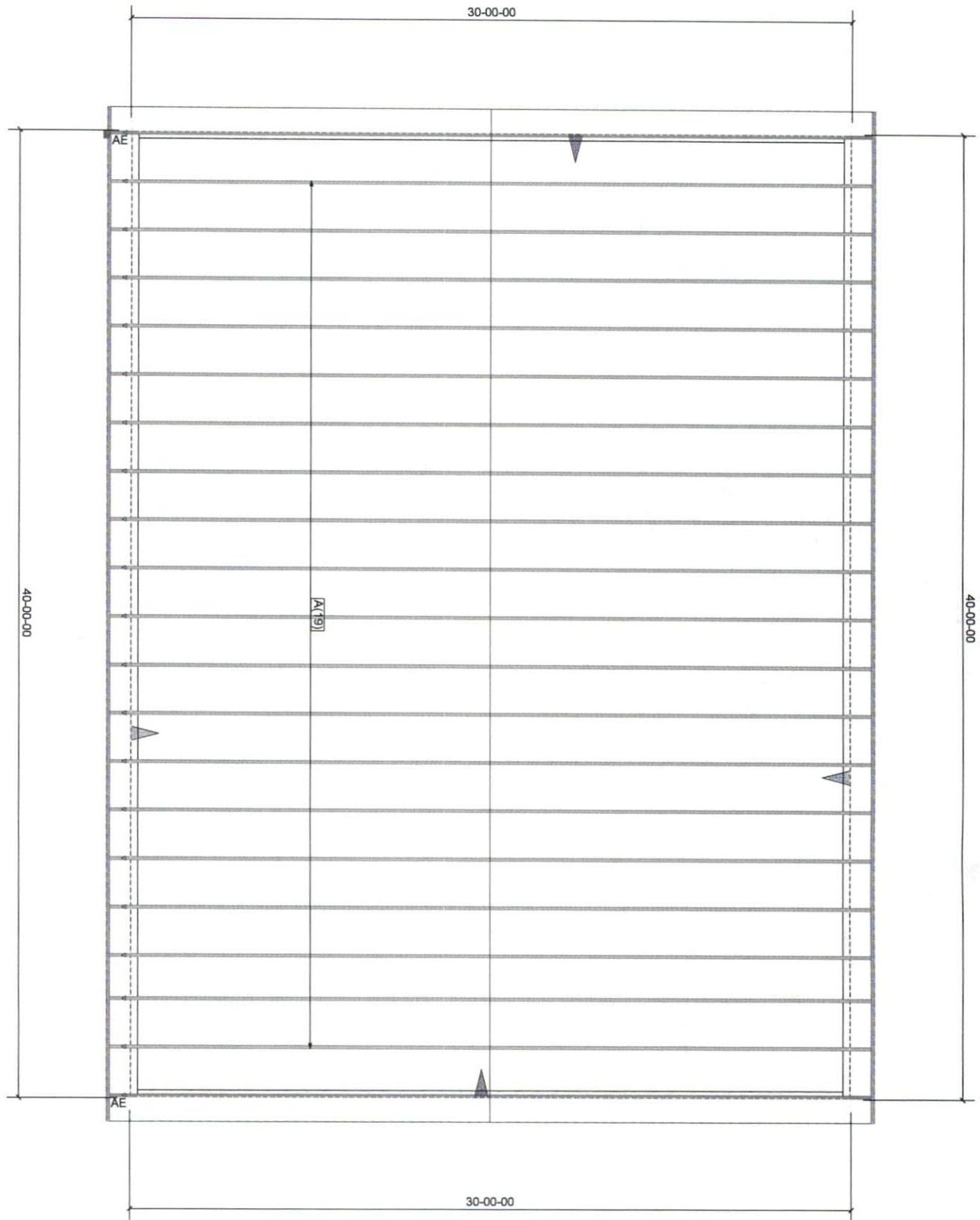
MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- The design does not take into account any dynamic or other loads other than those expressly stated.



BLOCK SOLID UNDER ALL POST /POINT
LOADS FROM
ABOVE - TYPICAL AT ALL LOCATIONS

ROOF LAYOUT
DRAWING SCALE : NTS

PROJECT NUMBER

21070050

SHEET NUMBER

1 / 1

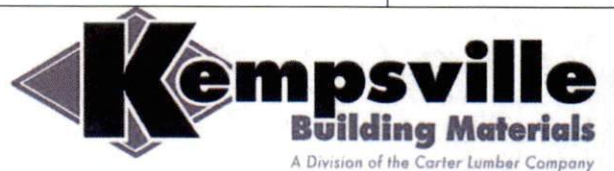
REVISIONS

DATE	BY
1/24/22	KH

CUSTOM CONTRACTING

WEISS GARAGE

ROOF TRUSS LAYOUT



RJB, P.E., P.A.

C-0269

ROBERT J. BRACKEN
ENGINEER + SURVEYOR

3768 Carbonton Road • Sanford, North Carolina 27330

February 17, 2022

Harnett County Building Inspections
P.O. Box 65
Lillington, NC 27546

REF: Footing Inspection
William Weiss, Res
4894 NC Hwy 27W
Lillington, NC 27546
Custom Contracting Co, Contractor

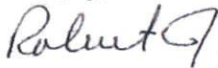
Dear Sir/Madam:

I made an onsite visit to the above referenced Residential site on February 15, 2022. The purpose of the visit was to examine the recently placed Footings for a detached Building. The footings and soil bearing were adequate.

The footings will support the live and dead loads as specified in the North Carolina Residential Building Code, 2018,ed.

If you have any questions, please feel free to contact me @ 919-774-6074.

Sincerely,



Robert J. Bracken, PE

RJB:jeb

