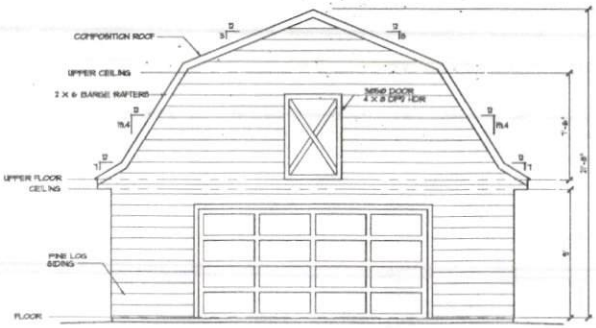
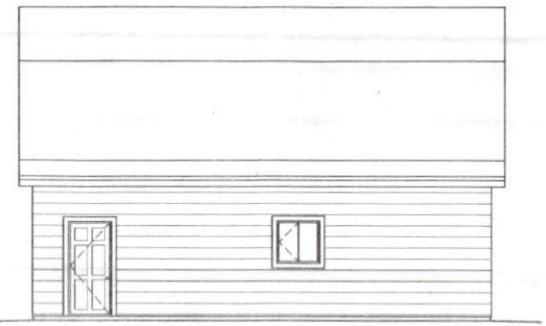


FRONT ELEVATION
1/4" = 1'-Ø"



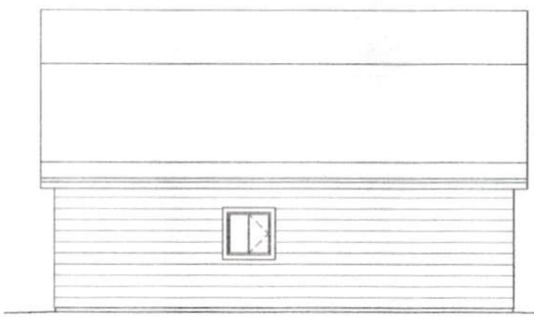
RIGHT ELEVATION
1/4" = 1'-Ø"

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

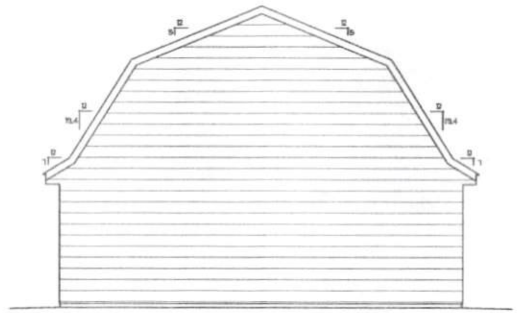
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code

04/05/2022

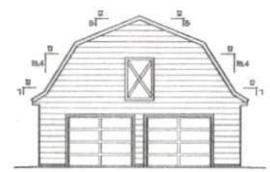
Harnett COUNTY NORTH CAROLINA



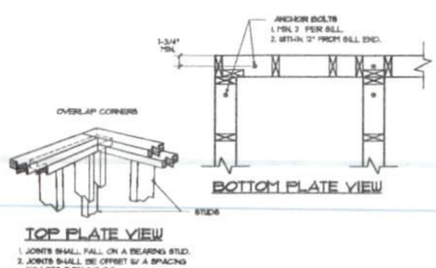
LEFT ELEVATION
1/4" = 1'-Ø"



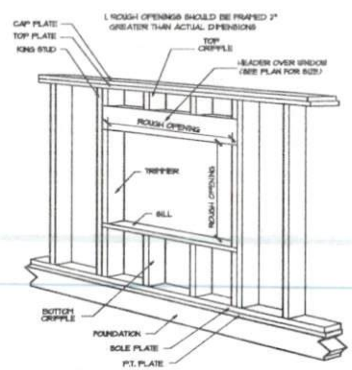
REAR ELEVATION
1/4" = 1'-Ø"



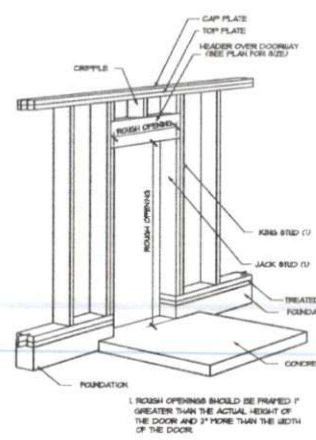
TWO DOOR OPTION
FRONT ELEVATION
1/8" = 1'-Ø"



TYPICAL CORNER DETAIL
NOT TO SCALE



TYPICAL WINDOW FRAMING
N.T.S.



DOOR FRAMING DETAIL
N.T.S.

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION INTERNATIONAL RESIDENTIAL CODE, ANY APPLICABLE STATE CODES OR AMENDMENTS, AND ALL COUNTY OR LOCAL CODES AND REGULATIONS. (2015 I.R.C.)
2. THE CONTRACTOR IS RESPONSIBLE TO CHECK THE PLANS AND IS TO NOTIFY THE DESIGNER OF ANY ERRORS OR OMISSIONS PRIOR TO THE START OF CONSTRUCTION.
3. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE THE DRAWINGS.
4. DESIGN LOADS:

ROOF	30 PSF (LIVE LOAD)
FLOOR	40 PSF (LL)
STAIRS	100 PSF (LL)
GARAGE FLOOR	50 PSF (2000# PT.)
DECKS	60 PSF (LL)
WIND	≤100 MPH
SEISMIC	D1

(IF YOUR LOCAL AREA REQUIRES DIFFERENT DESIGN LOADS CONSULT WITH A LOCAL STRUCTURAL ENGINEER TO DETERMINE THE APPROPRIATE REVISIONS.)

5. INSULATION: PATH I

ROOF (VAULTED)	R-38
ROOF (FLAT)	R-38
WALLS (2X4 EXTERIOR)	R-15
WALLS (2X6 EXTERIOR)	R-21
FLOOR (OVER UNHEATED SPACE)	R-30

6. THE ABOVE VALUES ARE A MINIMUM AND MAY BE INCREASED IF DESIRED. VERIFY WITH CONTRACTOR.
7. ALL EXPOSED INSULATION IS TO HAVE A FLAME SPREAD RATING OF LESS THAN 25 AND A SMOKE DENSITY RATING OF LESS THAN 450.
8. PROVIDE INSULATION BAFFLES AT EAVE VENTS BETWEEN RAFTERS.
9. ROOF VENTS TO TOTAL MORE THAN 1/300 OF THE ATTIC AREA BEING VENTILATED.

FOUNDATION NOTES

1. FOOTINGS ARE TO BEAR ON UNDISTURBED LEVEL SOIL DEVOID OF ANY ORGANIC MATERIAL AND STEPPED AS REQUIRED TO MAINTAIN THE REQUIRED DEPTH BELOW THE FINAL GRADE.
2. SOIL BEARING PRESSURE ASSUMED TO BE 1500 PSF.
3. ANY FILL UNDER GRADE SUPPORTED SLABS TO BE A MINIMUM OF 4" GRANULAR MATERIAL COMPACTED TO 95%.
4. CONCRETE:

-BASEMENT WALLS & FOUNDATIONS NOT EXPOSED TO WEATHER :	2,500 PSI
-BASEMENT & INTERIOR SLABS ON GRADE :	2,500 PSI
-BASEMENT WALLS & FOUNDATIONS EXPOSED TO THE WEATHER :	3,000 PSI
-PORCHES, STEPS & CARPORT SLABS EXPOSED TO WEATHER :	3,500 PSI

(AS PER I.R.C. TABLE R402.2)

5. CONCRETE SLABS TO HAVE CONTROL JOINTS AT 25 FT. (MAXIMUM) INTERVALS EA. WAY.
6. CONCRETE SIDEWALKS TO HAVE 3/4 IN. TOOLED JOINTS AT 5 FT. (MINIMUM) O.C.
7. REINFORCING STEEL TO BE A-615 GRADE 40. WELDED WIRE MESH TO BE A-185.
8. ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED OR PROTECTED WITH 55# ROLL ROOFING.
9. FOOTING TO BE CONTINUOUS ACROSS OPENINGS W/ REBAR (SEE TYPICAL WALL DETAIL)
10. ALL HOLD DOWN HARDWARE MUST BE SECURED IN PLACE PRIOR TO FOUNDATION INSPECTION.

FRAMING NOTES

1. ALL EXTERIOR WALL OPENINGS & BEARING WALL OPENINGS TO HAVE 4 X 8 HEADERS UNLESS OTHERWISE INDICATED.
2. JOISTS THAT ARE ATTACHED TO FLUSH BEAMS ARE TO BE HUNG WITH "SIMPSON" U-210 OR EQUIV.
3. PROVIDE DOUBLE JSTS. UNDER ALL WALLS ABOVE RUNNING PARALLEL TO JOISTS.
4. PROVIDE FIREBLOCKING, DRAFTSTOPS & FIRESTOPS AS PER THE I.R.C. (R302.11 AND 302.12)
5. LUMBER SPECIES:

A. POSTS, BEAMS, HEADERS JOISTS AND RAFTERS	NO. 2 DOUGLAS FIR
B. SILLS, PLATES, BLOCKING BRIDGING ETC.	NO. 3 DOUGLAS FIR
C. STUDS	STUD GRADE D.F.
D. POST & BEAM DECKING	UTILITY GRADE D.F.
E. PLYWOOD SHEATHING	1/2" CDX PLY. 32/16
F. GLU-LAM BEAMS	Fb-2400, DRY ADH.

6. NAILING SCHEDULE:

JOIST TO SILL OR GIRDER	3-8d	TOE NAIL
BRIDGING TO JOIST	2-8d	TOE NAIL
2" SUBFLOOR TO GIRDER	2-16d	BLIND & FACE
SOLE PL. TO JOIST	16d @ 16"	FACE NAIL
TOP PL. TO STUDS	2-16d	END NAIL
STUD TO SOLE PL.	3-8d	TOE NAIL
	2-16d	TOE NAIL
COLLAR TIE RAFTER	3-10d	FACE NAIL
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3-8d	TOE NAIL
DOUBLE STUDS	10d @ 24"	FACE NAIL
DOUBLE TOP PL.	16d @ 16"	FACE NAIL
CONTINUOUS HEADER (2 PC.)	16d @ 16"	EDGE NAIL
CLG. JST. TO PL.	3-8d	TOE NAIL
CLG. JST. LAP OVER PL.	3-16d	FACE NAIL
CLG. JST. TO RAFTER	3-16d	FACE NAIL
RAFTER TO TOP PL.	2-16d	TOE NAIL
BUILT-UP CORNER STUDS	10d @ 24"	FACE NAIL
PLYWOOD SUBFLOOR	8d @ 6"	EDGE NAIL
	8d @ 12"	INTERIOR
PLY WALL & ROOF SHEATHING	8d @ 6"	EDGE NAIL
	8d @ 12"	INTERIOR
TOP PL. AT INTERSECTIONS	2-16d	FACE NAIL
MULTIPLE JOISTS EA. LAYER (UP TO 3)	20d @ 32"	STAGGER NAIL TOP & BOTTOM
MULTIPLE JOISTS (OVER 3)	1/2" DIA. BOLTS W/ WASHERS EA. SIDE @ 24" O.C.	
1 X 6 SPACED SHEATHING	2-8d	FACE NAIL

7. MANUFACTURED TRUSS JOISTS MAY BE SUBSTITUTED FOR 2 X JOISTS WHERE APPLICABLE.
8. ALL STEEL BRACKETS SIMPSON PART NUMBERS OR EQUIVALENTS.

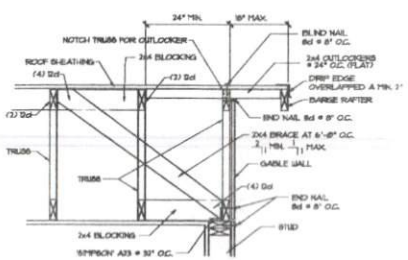
THE CONTRACTORS ARE TO CHECK AND VERIFY ACCURACY AND SITE CONDITIONS BEFORE START OF CONSTRUCTION. THE BUYER AGREES THAT CAD NORTHWEST HAS NO LIABILITY FOR COSTS OR CHANGES RESULTING FROM DESIGN ERRORS OR OMISSIONS. WRITTEN DIMENSIONS SHALL ALWAYS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

22685 S.W. Conifer Drive
Sherwood, Or. 97140
www.cadnw.com
Custom Home Design
CAD NorthWest
Phone: (503) 625-6330

PLAN NUMBER: G2832A

28' X 32' TWO CAR GARAGE PLAN

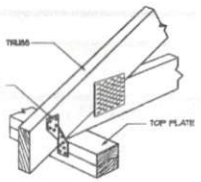
SHEET 1 OF 2



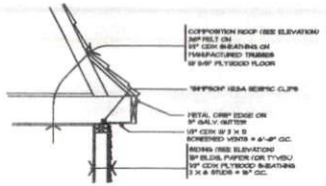
GABLE END DETAIL
NOT TO SCALE

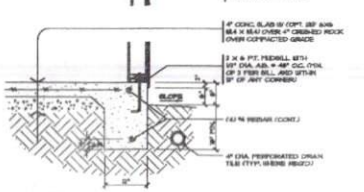
ELECTRICAL LEGEND

S	SWITCH, SINGLE POLE
S_3	SWITCH, 3-WAY
⊕	DUPLEX OUTLET
⊟	220 VOLT OUTLET
	8' FLUORESCENT FIXTURE
	4' FLUORESCENT FIXTURE
	STANDARD INCANDESCENT
	RECESSED INCANDESCENT
	SERVICE PANEL
SD	SMOKE DETECTOR
	EXHAUST FAN VENTED TO EXTERIOR
	CADET HEATER

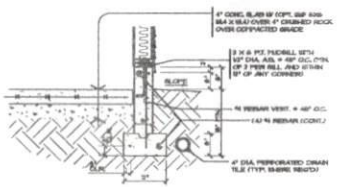


SIMPSON' H25A DETAIL
NOT TO SCALE

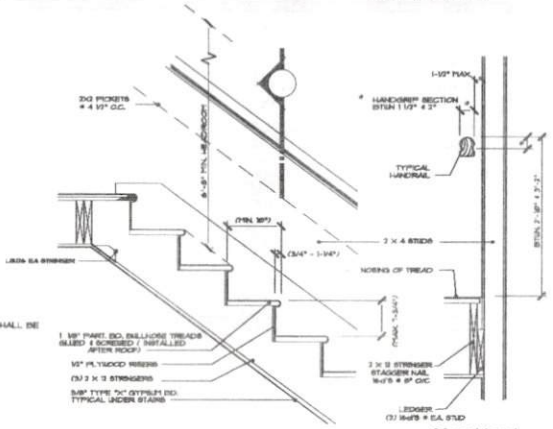




TYPICAL WALL SECTION
NOT TO SCALE

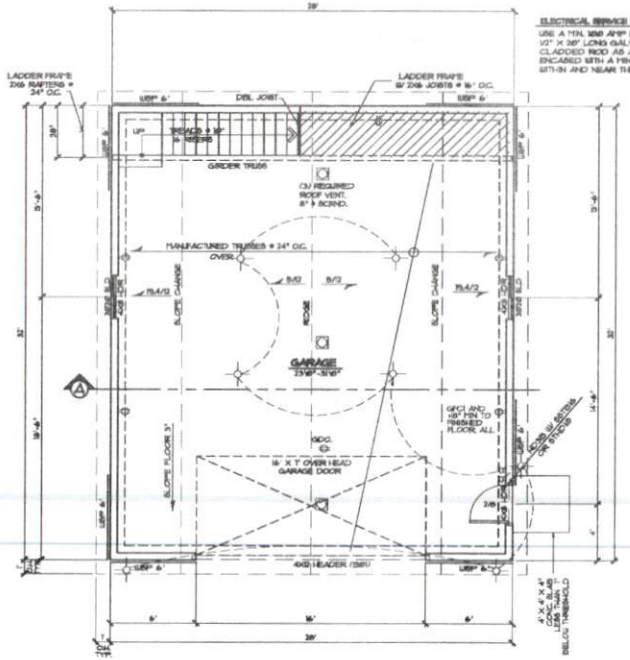


ALTERNATE FOUNDATION SECTION
NOT TO SCALE



STAIR DETAIL
1" = 1'-0"

SECTION



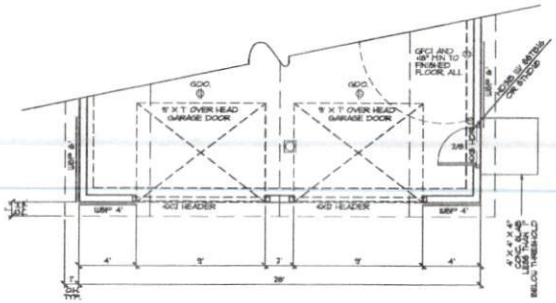
FOUNDATION, FLOOR AND ROOF PLAN
1/4" = 1'-0"

WSP WOOD STRUCTURAL PANEL DEFINITION

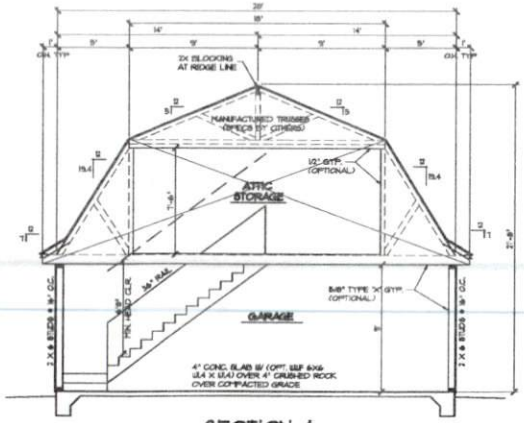
A WOOD STRUCTURAL PANEL CONSTRUCTED AS PER CURRENT EDITION IRC (WSP)

STRUCTURAL PANEL SHEATHING MIN. 11-8, (STRUC I) 15/32 PLYWOOD ONE SIDE NAIL W/ 8d @ 6" O.C. ON THE EDGES AND 8d @ 12" O.C. IN THE FIELD.

PROVIDE PERIMETER MEMBERS AT OPENINGS. USE EXTERIOR GLUE PLYWOOD. PROVIDE BLOCKING MEMBERS OR BLOCKING AT EDGES OF ALL PLYWOOD SHEETS. PROVIDE ANCHOR BOLTS AT EACH END OF EACH BRACE PANEL. SEE TYPICAL WALL DETAIL.



FOUNDATION, FLOOR AND ROOF PLAN
TWO DOOR OPTION 1/4" = 1'-0"



SECTION A
1/4" = 1'-0"

THE CONTRACTORS ARE TO CHECK AND VERIFY ACCURACY AND ARE CONFORMS BEFORE START OF CONSTRUCTION. THE DRAWER ASSUMES THAT CAD NORTHWEST HAS NO LIABILITY FOR CODE OR CHANGES RESULTING FROM DESIGN ERRORS OR OMISSIONS. WRITTEN DIMENSIONS SHALL ALWAYS TAKE PRECEDENCE OVER SCALED DIMENSIONS.

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PLAN NUMBER: G2832A

28' X 32' TWO CAR GARAGE PLAN

SHEET 2 OF 2

MATERIAL LIST

G2832A Garage Plan

Standard W/ Truss Roof

This estimate is designed solely to provide the customer with a rough estimate of the amount of material used in the given project. The material estimate is based on normal and typical building and construction techniques. The actual amount of material used may vary from this estimate due to a number of factors. Consequently, no representation or warranty has been made that the amount of material used will not vary from the estimate.

	ITEM	CALC	SIZE	LENGTH	O.C.	QTY	
1	MAIN EXT STUDS		2X6	95.09	16"	75	EA
2	MAIN TREATED SILL		2X6			101	LF
3	MAIN EXT PLATES		2X6			224	LF
4	HEADER, (Ext Main Garage Door)	B01	4X12	17'		1	EA
5	HEADER, (Ext Main Door)	N/A	4X8	4'		1	EA
6	HEADER, (Main Window)	N/A	4X8	4'		2	EA
7	TRUSSES				24"	15	EA
8	TRUSSES (Ends)					2	EA
9	EAVE BLOCKING		2X	22.5"	24"	32	EA
10	H2.5 RAFTER TIE				24"	34	EA
11	ROOF SHEATH		1/2" CDX			1320	SF
12	ROOF FELT		30# Felt			1320	SF
13	ROOFING					1320	SF
14	MAIN EXT WALL S.R. (Optional)		1/2" GYP.			841	SF
15	MAIN CEILING S.R. (Optional)		1/2" GYP.			896	SF
16	EXT WALL SHEATH		1/2" CDX			1005	SF
17	EXT WALL VAPOR		15# Felt			1005	SF
18	EXT SIDING (See Plan)		Varies			1005	SF
19	CONCRETE (Footing)		12" X 20"			7.41	CY
20	CONCRETE (Floor)		4"			11.06	CY
21	ANCHOR BOLTS		1/2"		48"	26	EA
22	WIRE MESH		6X6 W1.4 X W1.4			896	SF

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BeamChek v2005 licensed to: Cad Northwest Reg # 5234-65453

G2832A Garage Plan — Garage Door Header

B01 — Date: 10/02/08

Selection **4x 12 DF-L #2** **Lu = 0.0 Ft**

Conditions NDS 2001

Min Bearing Area R1= 2.0 in² R2= 2.0 in² DL Defl 0.07 in

Data

Beam Span	16.0 ft	Reaction 1 LL	960 #	Reaction 2 LL	960 #
Beam Wt per ft	9.57 #	Reaction 1 TL	1229 #	Reaction 2 TL	1229 #
Bm Wt Included	153 #	Maximum V	1229 #		
Max Moment	4914 '#	Max V (Reduced)	1085 #		
TL Max Defl	L / 240	TL Actual Defl	L / 564		
LL Max Defl	L / 360	LL Actual Defl	L / 722		

Attributes

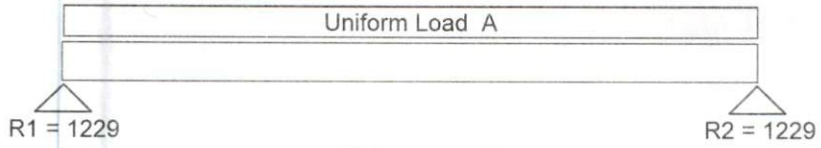
	Section (in³)	Shear (in²)	TL Defl (in)	LL Defl
Actual	73.83	39.38	0.34	0.27
Critical	59.57	9.04	0.80	0.53
Status	OK	OK	OK	OK
Ratio	81%	23%	43%	50%

Values / *Adjustments*

	Fb (psi)	Fv (psi)	E (psi x mil)	Fc⊥ (psi)
Base Values	900	180	1.6	625
Base Adjusted	990	180	1.6	625
CF Size Factor	1.100			
Cd Duration	1.00	1.00		
Cr Repetitive	1.00			
Ch Shear Stress		N/A		
Cm Wet Use	1.00	1.00	1.00	1.00

CI Stability 1.0000 Rb = 0.00 Le = 0.00 Ft Kbe = 0.0

Loads Uniform LL: 120 Uniform TL: 144 = A



SPAN = 16 FT

Uniform and partial uniform loads are lbs per lineal ft.

Custom Home Design
CAD NorthWest

February 1, 2022

Josh Jernigan
753 Tilghman Rd
Coats, NC 27521

Dear Josh Jernigan,

These are your original documents for you to copy and modify for your project. We recommend that you keep your originals and give only copies to contractors and planning departments. Some copy services will need permission to duplicate our copyrighted material. This letter is verification that you have permission to copy these drawings. If you have any questions or comments, please call us.

If you would like to remodel or build a new or custom home in the future, Cad Northwest offers the best PRICE, QUALITY, PERFORMANCE, and DELIVERY!

Cad Northwest has continued to grow steadily, and at the end of 2021 we finished our 31th successful year!

To maximize our services, we are continually trying to improve Cad Northwest. We have added new equipment and computer software to increase quality and achieve faster turn-around times. We have the flexibility of a small company to quickly make changes that will benefit you with exactly what you want.

We would like to encourage you to call Cad Northwest when you begin your future home design project. Contact us for an instant quote at (503) 625-6330. Please check out our web site, "http://www.cadnw.com/" for more information.

Cordially,

Tom Easton

Enclosures:

- Garage Plans
- Invoice

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Internet: www.cadnw.com
Email: cadnw@zzz.com

(503)625-6330 Voice

Custom Home Design

CAD NorthWest

How to Use These Plans

Make copies of these plans for modifying, giving to contractors for bids, and giving to your planning department. Keep the master drawings so that you may make new copies in the future. Take the master drawings and the invoice or letter, allowing permission to copy, to a blue printing shop for copying. A typical copy is about $1.30 per sheet at the blue print shop and $3.00 at Kinko's.

Our plans are construction blueprints drawn to basic architectural drafting standards. They are not detailed, step by step, instructions. There are many "how to" books available that describe the carpentry techniques required to construct a building. They are available at Home Depot, Lowe's, on-line book stores, and some hardware stores.

Many minor changes can be made to our plans and still obtain a permit in most areas of the U.S. Changing the ceiling height, pitch of the roof, moving a window or door, or changing the size of a window or door are minor changes. The strictness of planning departments varies greatly. Most rural areas are lenient. Large cities are more strict. Areas in California and Florida are very strict. Minor changes are not allowed in the strictest areas. Talk to your planning department and ask if the minor change you are considering will be acceptable with out a full redraw of the plans.

There are several ways to modify these plans. For simple changes, erasing and adding new text is sufficient. Use an ink eraser to remove the existing text. Redraw with ink or dark pencil. Whiteout can be used to erase paper copies. Entire details can be removed by covering with a piece of paper the appropriate size before recopying. We provide building options on the plans. Some planning departments do not want options on the plans. Decide which options you are going to use and remove the unused options from the plans.

Our stock plan package includes a basic materials list, which may be used to estimate the cost of materials. It lists major wood components, concrete, and hold-downs and is an approximation of the materials used. Always verify the accuracy of the materials list before ordering components. Some components cannot be returned to the supplier without a restocking charge.

Beam calculations are provided with most plans. Beams longer than 10' have a calculation to show that they are of sufficient strength to withstand the load applied. These are not required for some planning departments and we do not send them with plans sent to California. The planning department will require truss engineering for truss roof plans. These are obtained from the truss manufacturer and are part of their package. Hand made trusses will require engineering from an engineer licensed in your state. We do not design trusses.

Take the required number of plan copies, copies of the beam calculations (if required), and copies of the truss engineering (if a truss roof) to the planning department to apply for a permit. Provide competing contractors with a copy of the plans and the materials list. They will be able to bid on the same exact building and provide the most accurate quotes.

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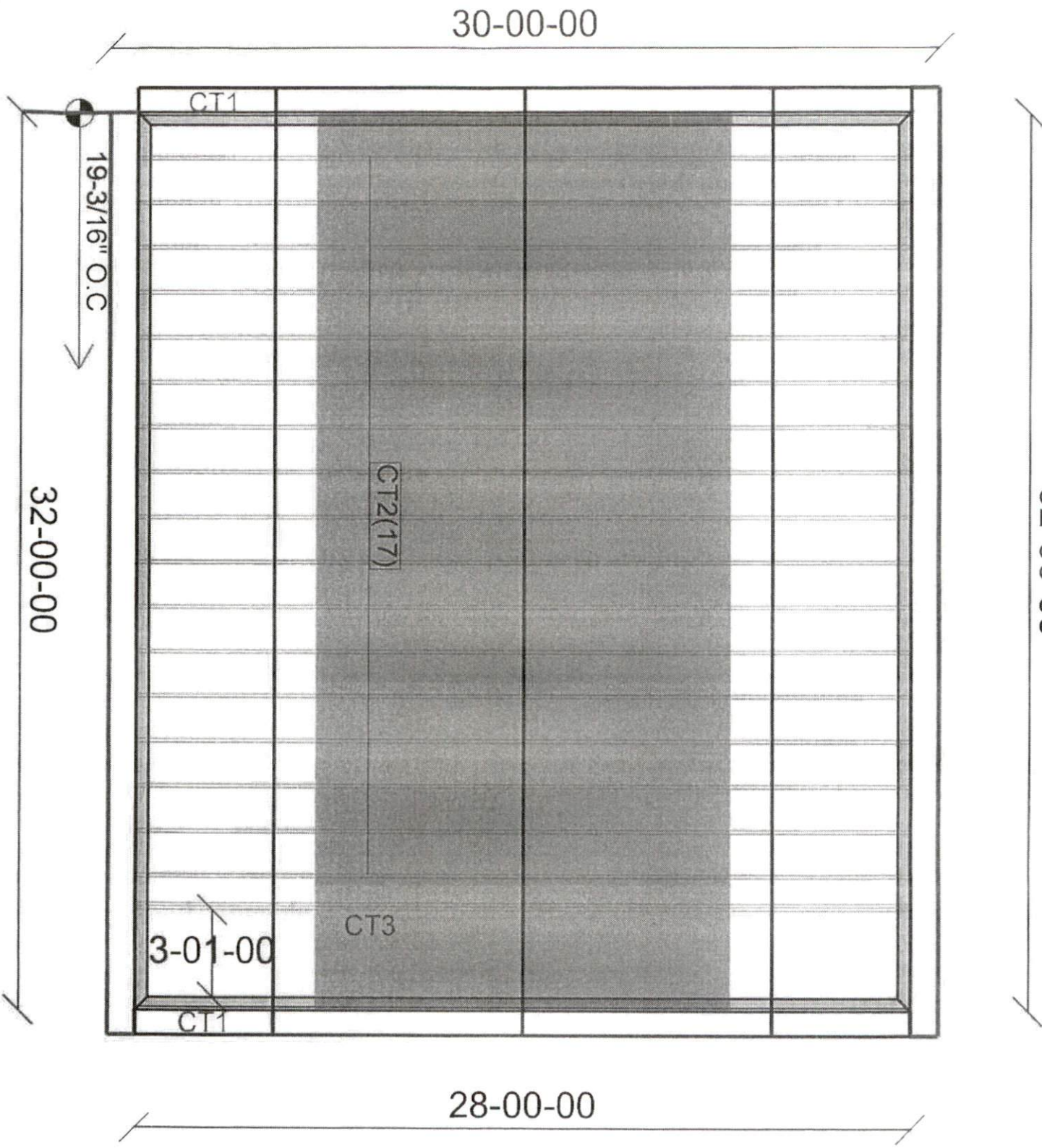

TRUSS BUILDERS INC.

10401 Chapel Hill Rd
Morrisville, NC 27560
Ph. 919-467-9988
Fax. 919-481-3255

DO220311
JOSH JERNIGAN
3818 OLD STAGE RD
ERWIN, NC

Job	Truss	Truss Type	Qty	Ply	JOSH JERNIGAN
DO220311	CT1	ATTIC	2	1	Job Reference (optional)

TRUSS BUILDERS, Truss Builders

8.500 s Jan 6 2022 MiTek Industries, Inc. Tue Mar 15 12:49:35 2022 Page 1
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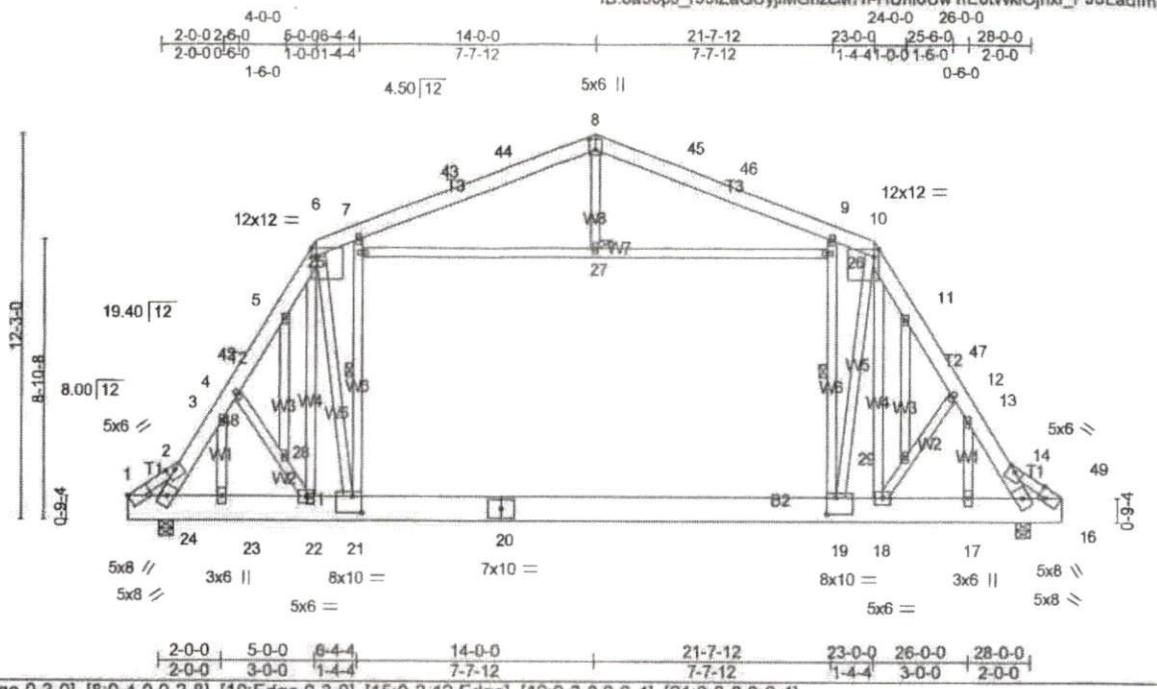

Plate Offsets (X,Y)-- [6:Edge,0-3-0], [8:0-4-0,0-2-8], [10:Edge,0-3-0], [15:0-2-12,Edge], [19:0-3-8,0-6-4], [21:0-3-8,0-6-4]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.28	19-21	>999	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.35	19-21	>955	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.01	16	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MR		Attic	-0.22	19-21	844	360		
BCDL	10.0										Weight: 344 lb	FT = 6%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* T1: 2x4 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.3 *Except* W6,W7: 2x4 SP No.2

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.
WEBS 1 Row at midpt 19-26, 21-25
JOINTS 1 Brace at Jt(s): 27

REACTIONS. (lb/size) 24=901/0-5-8 (min. 0-1-8), 16=901/0-5-8 (min. 0-1-8)
Max Horz 24=-121(LC 10)
Max Grav 24=1274(LC 3), 16=1274(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-24=-993/2, 2-3=-1129/0, 3-4=-1412/0, 4-42=-1328/7, 5-42=-1312/17, 5-6=-1290/38, 6-7=-945/48, 7-43=-751/53, 43-44=-717/67, 8-44=-665/76, 8-45=-665/76, 45-46=-717/67, 9-46=-751/53, 9-10=-945/48, 10-11=-1290/38, 11-47=-1312/17, 12-47=-1328/6, 12-13=-1412/0, 13-14=-1129/0, 14-16=-993/2
BOT CHORD 23-24=-59/656, 22-23=-60/651, 21-22=-8/734, 20-21=0/847, 19-20=0/847, 18-19=0/702, 17-18=0/611, 16-17=0/617
WEBS 19-26=-304/366, 9-26=-280/384, 10-19=-50/945, 10-18=-452/141, 21-25=-304/366, 7-25=-280/384, 6-21=-50/945, 6-22=-452/141, 3-23=-395/15, 13-17=-396/17

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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 1-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 25-27, 26-27
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 19-21
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JOSH JERNIGAN
DO220311	CT1	ATTIC	2	1	Job Reference (optional)

TRUSS BUILDERS, Truss Builders

8.500 s Jan 6 2022 MiTek Industries, Inc. Tue Mar 15 12:49:46 2022 Page 1
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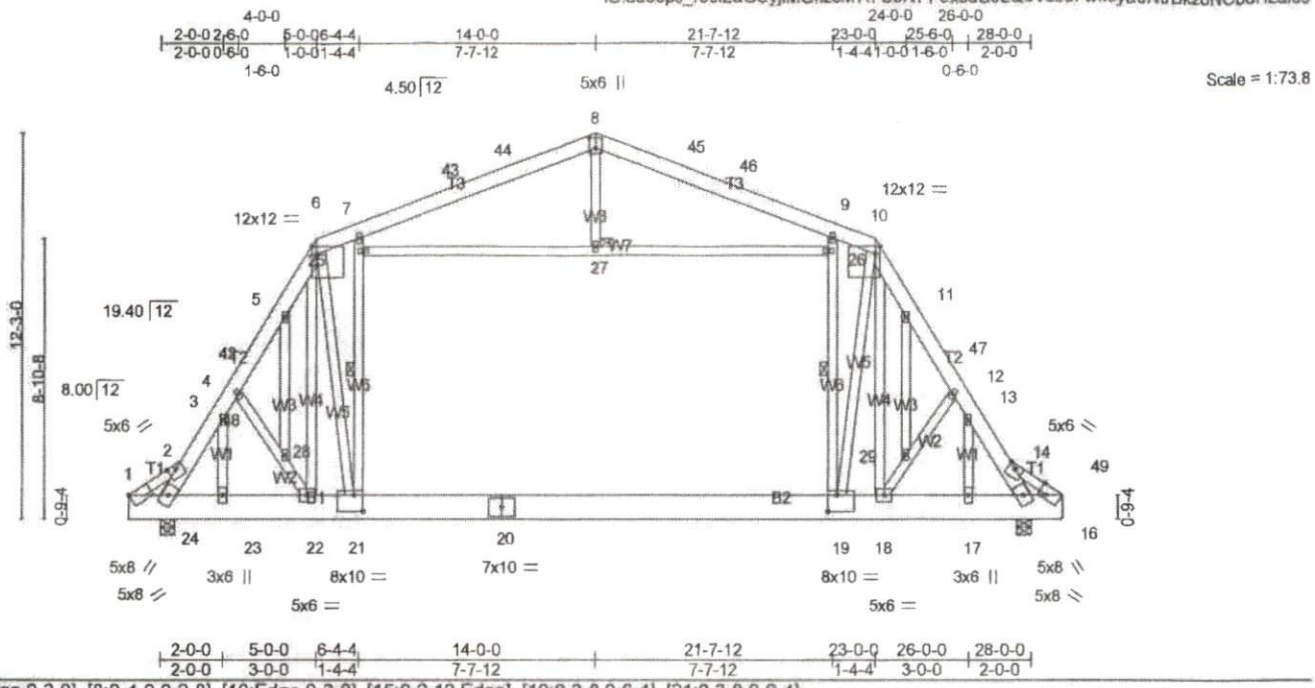

Plate Offsets (X,Y)-- [6:Edge,0-3-0], [8:0-4-0,0-2-8], [10:Edge,0-3-0], [15:0-2-12,Edge], [19:0-3-8,0-6-4], [21:0-3-8,0-6-4]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.28 19-21	>999	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.35 19-21	>955	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.01 16	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MR		Attic	-0.22 19-21	844	360	Weight: 344 lb	FT = 6%
BCDL	10.0										

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* T1: 2x4 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.3 *Except* W6,W7: 2x4 SP No.2

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.
WEBS 1 Row at midpt 19-26, 21-25
JOINTS 1 Brace at Jt(s): 27

REACTIONS. (lb/size) 24=901/0-5-8 (min. 0-1-8), 16=901/0-5-8 (min. 0-1-8)
Max Horz 24=-121(LC 10)
Max Grav 24=1274(LC 3), 16=1274(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-24=-993/2, 2-3=-1129/0, 3-4=-1412/0, 4-42=-1328/7, 5-42=-1312/17, 5-6=-1290/38, 6-7=-945/48, 7-43=-751/53, 43-44=-717/67, 8-44=-665/76, 8-45=-665/76, 45-46=-717/67, 9-46=-751/53, 9-10=-945/48, 10-11=-1290/38, 11-47=-1312/17, 12-47=-1328/6, 12-13=-1412/0, 13-14=-1129/0, 14-16=-993/2
BOT CHORD 23-24=-59/656, 22-23=-60/651, 21-22=-8/734, 20-21=0/847, 19-20=0/847, 18-19=0/702, 17-18=0/611, 16-17=0/617
WEBS 19-26=-304/366, 9-26=-280/384, 10-19=-50/945, 10-18=-452/141, 21-25=-304/366, 7-25=-280/384, 6-21=-50/945, 6-22=-452/141, 3-23=-395/15, 13-17=-396/17

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * 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 1-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 25-27, 26-27
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 19-21
10) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JOSH JERNIGAN
DO220311	CT2	Attic	17	1	Job Reference (optional)

TRUSS BUILDERS, Truss Builders

8.500 s Jan 6 2022 MiTek Industries, Inc. Tue Mar 15 12:49:49 2022 Page 1
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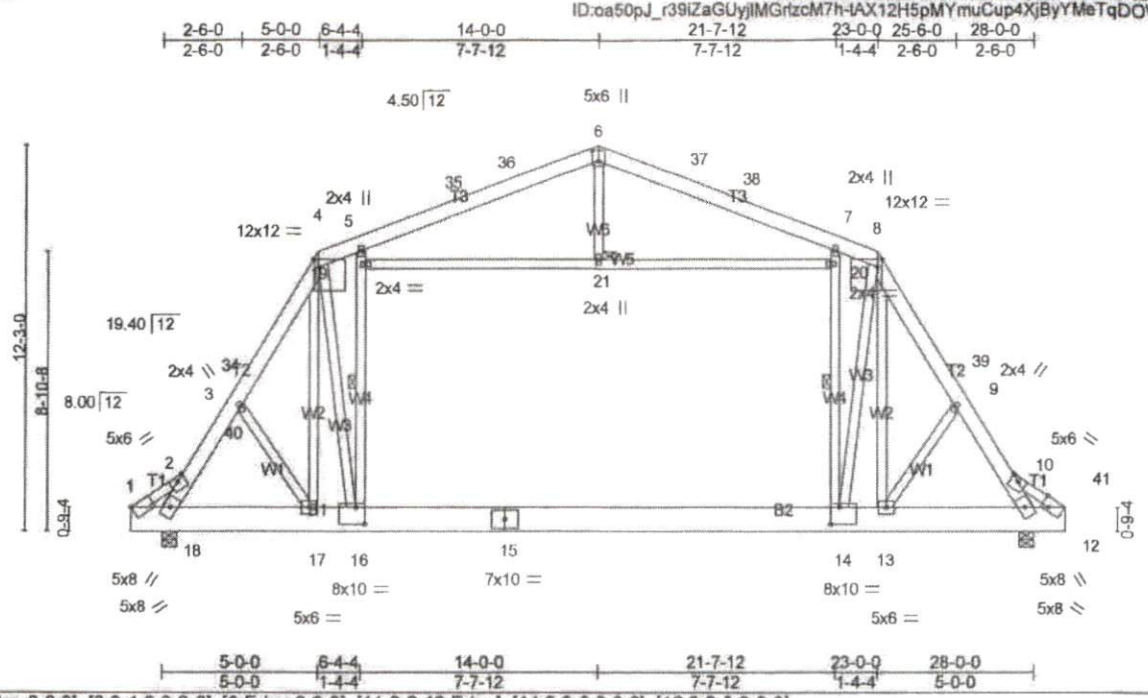

Plate Offsets (X,Y)-- [4:Edge,0-3-0], [6:0-4-0,0-2-8], [8:Edge,0-3-0], [11:0-2-12,Edge], [14:0-3-8,0-6-8], [16:0-3-8,0-6-8]

LOADING (psf)		SPACING-	1-7-3	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.42	Vert(LL)	-0.29	14-16	>999	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.82	Vert(CT)	-0.36	14-16	>938	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.01	12	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MR		Attic	-0.22	14-16	831	360		
BCDL	10.0										Weight: 322 lb	FT = 6%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
T1: 2x4 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.3 *Except*
W4,W5: 2x4 SP No.2

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.
WEBS 1 Row at midpt 14-20, 16-19
JOINTS 1 Brace at Jt(s): 21

REACTIONS. (lb/size) 18=901/0-5-8 (min. 0-1-8), 12=901/0-5-8 (min. 0-1-8)
Max Horz 18=-121(LC 8)
Max Grav 18=1274(LC 3), 12=1274(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-1331/0, 2-3=-1369/0, 3-34=-1317/12, 4-34=-1235/32, 4-5=-935/48, 5-35=-751/52, 35-36=-717/67, 6-36=-665/76, 6-37=-665/76, 37-38=-717/67, 7-38=-751/53, 7-8=-935/48, 8-39=-1235/32, 9-39=-1317/12, 9-10=-1369/0, 10-12=-1331/0
BOT CHORD 17-18=-47/703, 16-17=-9/722, 15-16=0/846, 14-15=0/846, 13-14=0/688, 12-13=0/673
WEBS 14-20=-320/348, 7-20=-295/366, 8-14=-50/1029, 8-13=-535/119, 16-19=-320/348, 5-19=-295/366, 4-16=-50/1029, 4-17=-535/119

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
4) Unbalanced snow loads have been considered for this design.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any 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 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 19-21, 20-21
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-16
9) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JOSH JERNIGAN
DO220311	CT3	ATTIC	1	2	Job Reference (optional)

TRUSS BUILDERS, Truss Builders

8.500 s Jan 6 2022 MiTek Industries, inc. Tue Mar 15 12:49:51 2022 Page 1
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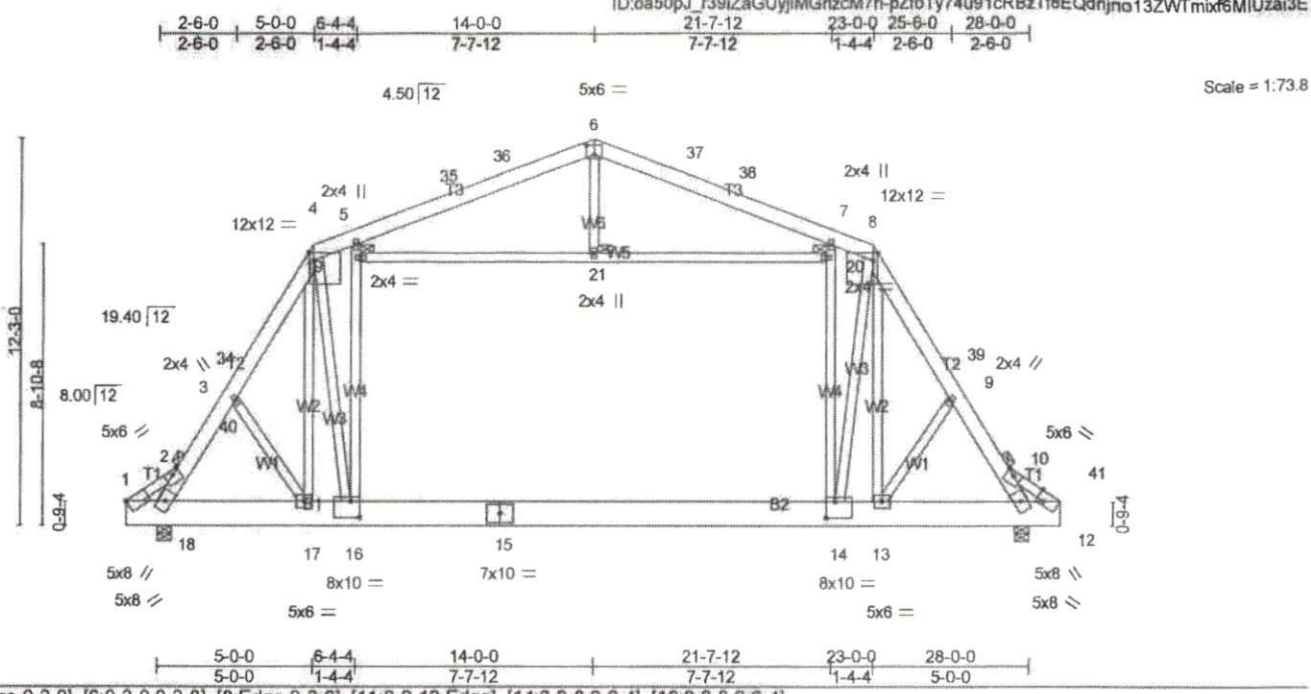

Plate Offsets (X,Y)-- [4:Edge,0-3-0], [6:0-3-0,0-3-8], [8:Edge,0-3-0], [11:0-2-12,Edge], [14:0-3-8,0-6-4], [16:0-3-8,0-6-4]

LOADING (psf)		SPACING-	3-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.45	Vert(LL)	-0.27	14-16	>999	240	MT20	244/190
Snow (Pf)	15.0	Lumber DOL	1.15	BC	0.85	Vert(CT)	-0.34	14-16	>997	180		
TCDL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(CT)	0.01	12	n/a	n/a		
BCLL	0.0 *	Code IBC2015/TPI2014		Matrix-MR		Attic	-0.21	14-16	886	360	Weight: 643 lb	FT = 6%
BCDL	10.0											

LUMBER-
TOP CHORD 2x6 SP No.2 *Except* T1: 2x4 SP No.2
BOT CHORD 2x10 SP No.2
WEBS 2x4 SP No.3 *Except* W4,W5: 2x4 SP No.2

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.) (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 4, 6, 8, 19, 20, 21, 2, 10

REACTIONS. (lb/size) 18=1690/0-5-8 (min. 0-1-8), 12=1690/0-5-8 (min. 0-1-8)
Max Horz 18=-228(LC 8)
Max Grav 18=2391(LC 3), 12=2391(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-18=-2426/0, 2-3=-2562/0, 3-34=-2469/23, 4-34=-2315/60, 4-5=-1755/91, 5-35=-1410/98, 35-36=-1345/125, 6-36=-1249/142, 6-37=-1249/142, 37-38=-1345/125, 7-38=-1410/99, 7-8=-1755/91, 8-39=-2315/59, 9-39=-2469/23, 9-10=-2562/0, 10-12=-2426/0
BOT CHORD 17-18=-89/1324, 16-17=-18/1353, 15-16=0/1586, 14-15=0/1586, 13-14=0/1289, 12-13=0/1266
WEBS 14-20=-600/653, 7-20=-555/687, 8-14=-94/1941, 8-13=-1013/218, 16-19=-600/653, 5-19=-555/687, 4-16=-94/1941, 4-17=-1013/218, 19-21=-454/78, 20-21=-454/78

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x10 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=115mph Vasd=91mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pf=15.0 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
6) Unbalanced snow loads have been considered for this design.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * 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 1-0-0 wide will fit between the bottom chord and any other members.
9) Ceiling dead load (5.0 psf) on member(s). 19-21, 20-21
10) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-16
11) This truss is designed in accordance with the 2015 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard