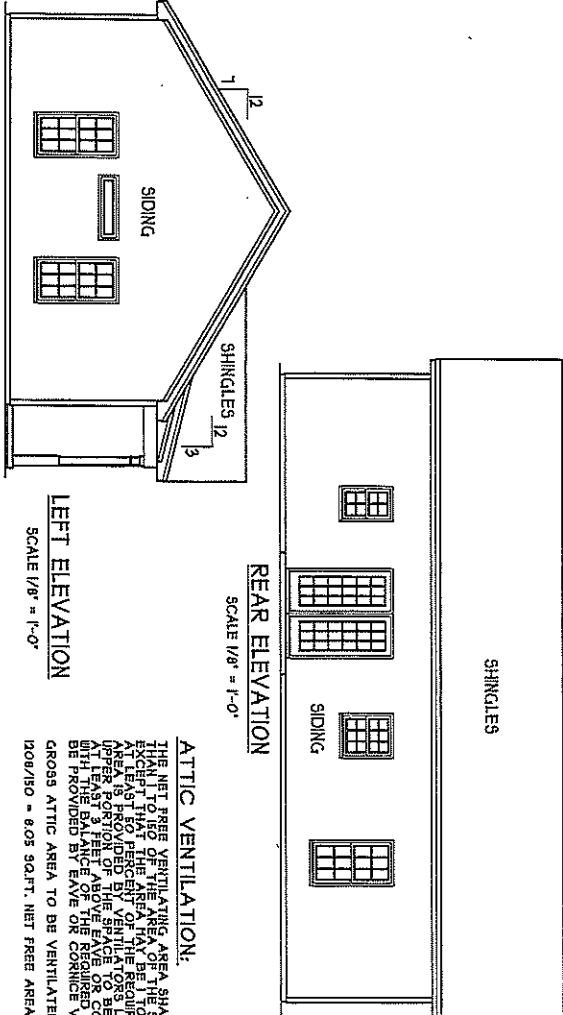
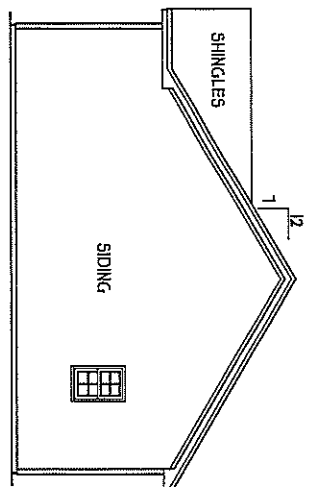


FRONT ELEVATION
SCALE 1/4" = 1'-0"



REAR ELEVATION
SCALE 1/8" = 1'-0"


LEFT ELEVATION
SCALE 1/8" = 1'-0"

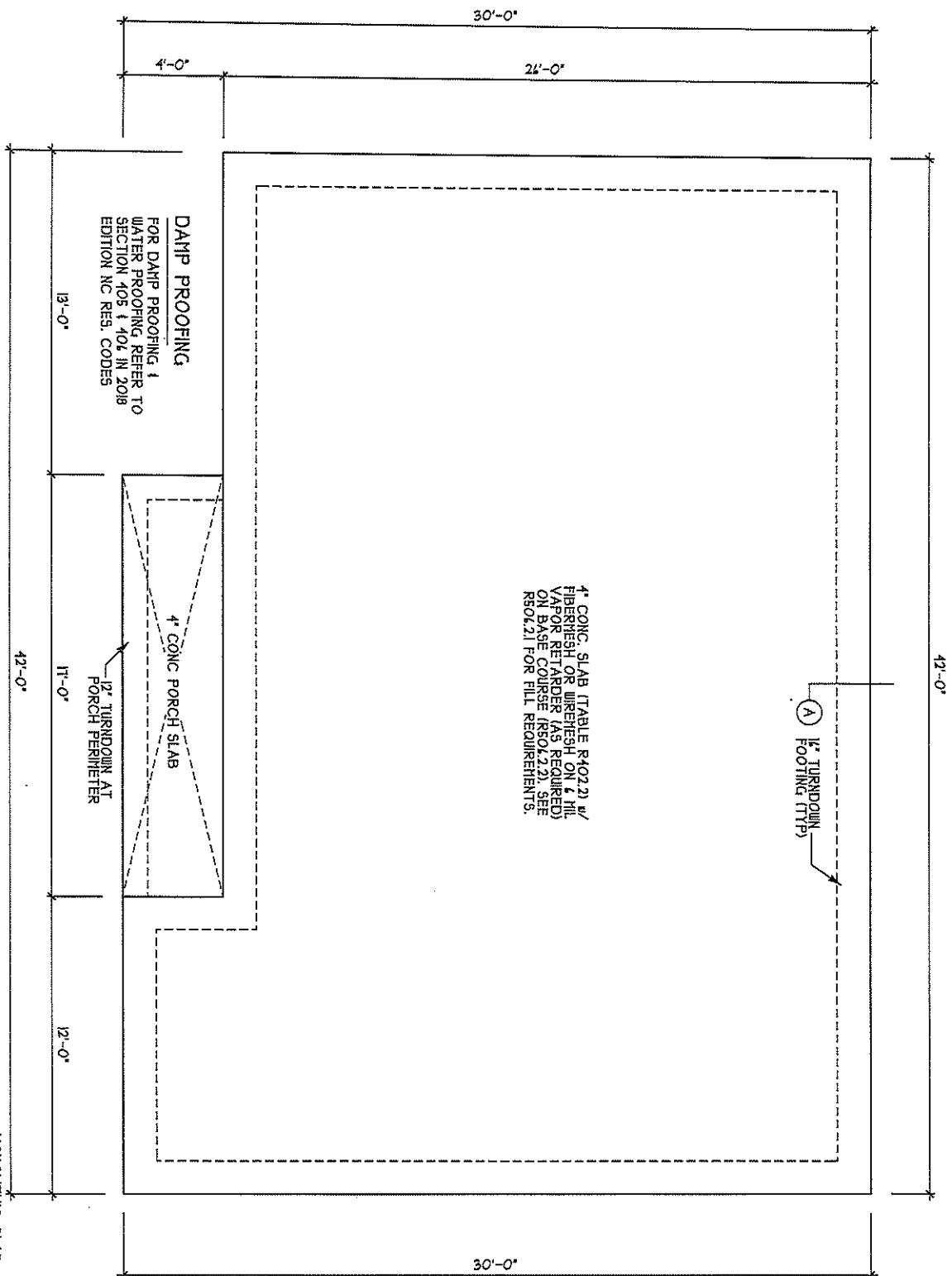


RIGHT ELEVATION
SCALE 1/8" = 1'-0"

ENERGY COMPLIANCE
ZONE 3 = MAX GLAZING U-FACTOR .35
R-VALUE = CEILING R38, WALLS R15, FLOORS R18
FOR JOHNSTON, SANFORD, WAYNE COUNTY
ZONE 4 = MAX GLAZING U-FACTOR .35
R-VALUE = CEILING R38, WALLS R15, FLOORS R18
FOR WAKE, DUNHAM, ORANGE COUNTY

ATTIC VENTILATION:
THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1/100 OF THE AREA OF THE SPACE VENTILATED AT LEAST TO PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE ATTIC AS LONG AS THEY ARE NOT LESS THAN 18 INCHES ABOVE THE BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EAVE OR CORNICHE VENTS.
GROSS ATTIC AREA TO BE VENTILATED 1208 SQ.FT.
1208/150 = 8.05 SQ.FT. NET FREE AREA

 H SQUARED HOME DESIGN, INC.	HEATHER HALL 185 HEATHERSTONE CT BESSON NC 27504 (919) 207-1463	SQUARE FOOTAGE: FIRST FLOOR = 140 FRONT PORCH = 68	HEATED FOOTAGE: #1140	THE BIRCH RIGHT HAND JRT MANG. PROP.
		DATE: 01/02/2011 1 STORY 070921		

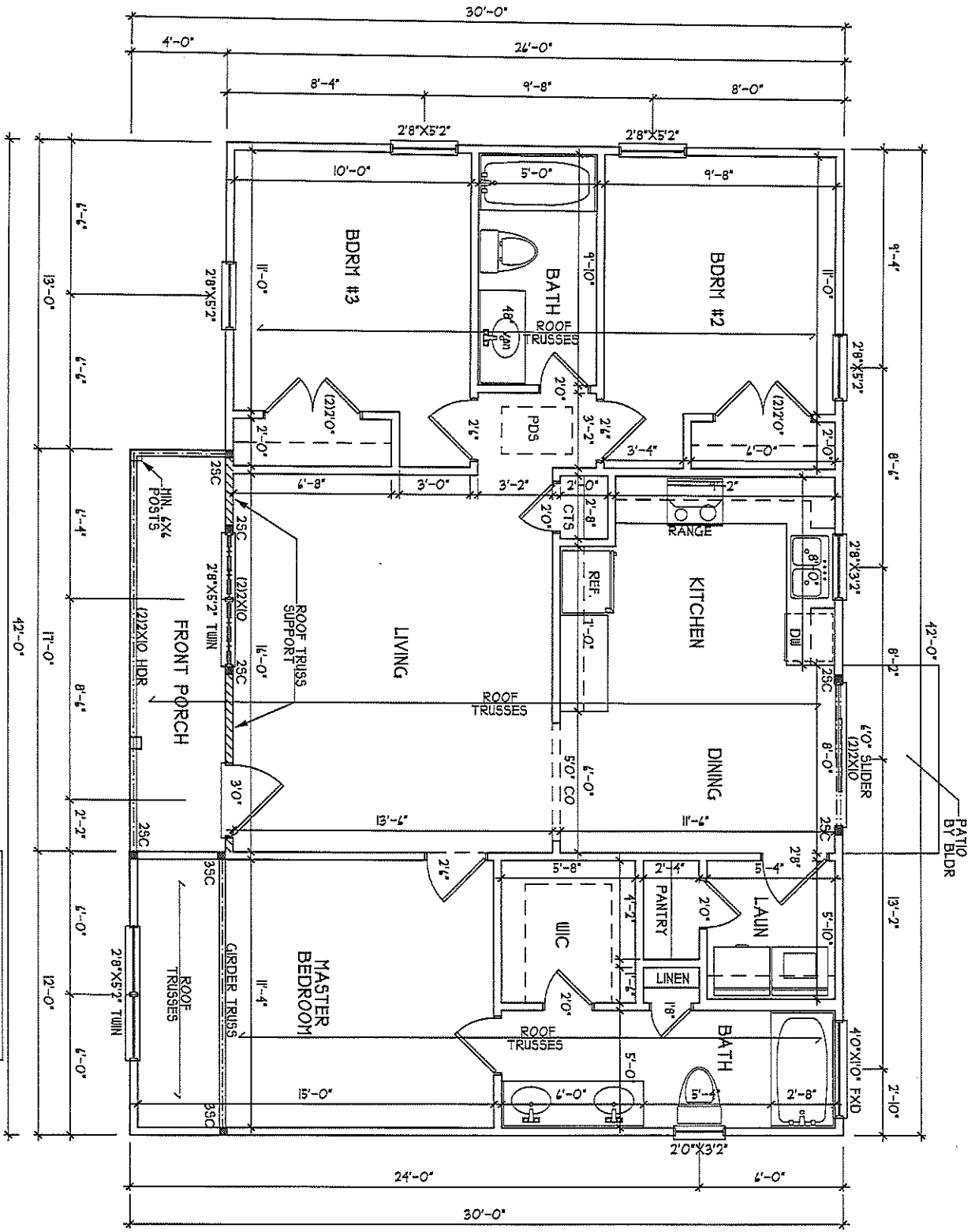


REFER TO BASIC DETAIL SHEETS(S)
FOR STANDARD DETAILS, BRACING
DETAILS, AND STRUCTURAL NOTES

NONOUTLIG SLAB
FOUNDATION PLAN
SCALE 1/4" = 1'-0"

DATE 04/02/2021		HEATHER HALL 185 HEATHERSTONE CT BENSON NC 27504 18181 207-1408	SQUARE FOOTAGE: FIRST FLOOR = 140 FRONT PORCH = 68	HEATED FOOTAGE: #1140	THE BIRCH RIGHT HAND JRT MANG. PROP.
--------------------	--	--	--	--------------------------	--





REFER TO BASIC DETAIL SHEET(S)
FOR STANDARD DETAILS, BRACING
DETAILS, AND STRUCTURAL NOTES

FIRST FLOOR PLAN
SCALE 1/4" = 1'-0"

REV.	DATE	DESCRIPTION
010921	04/02/2021	1 STORY



H SQUARED HOME DESIGN, INC.

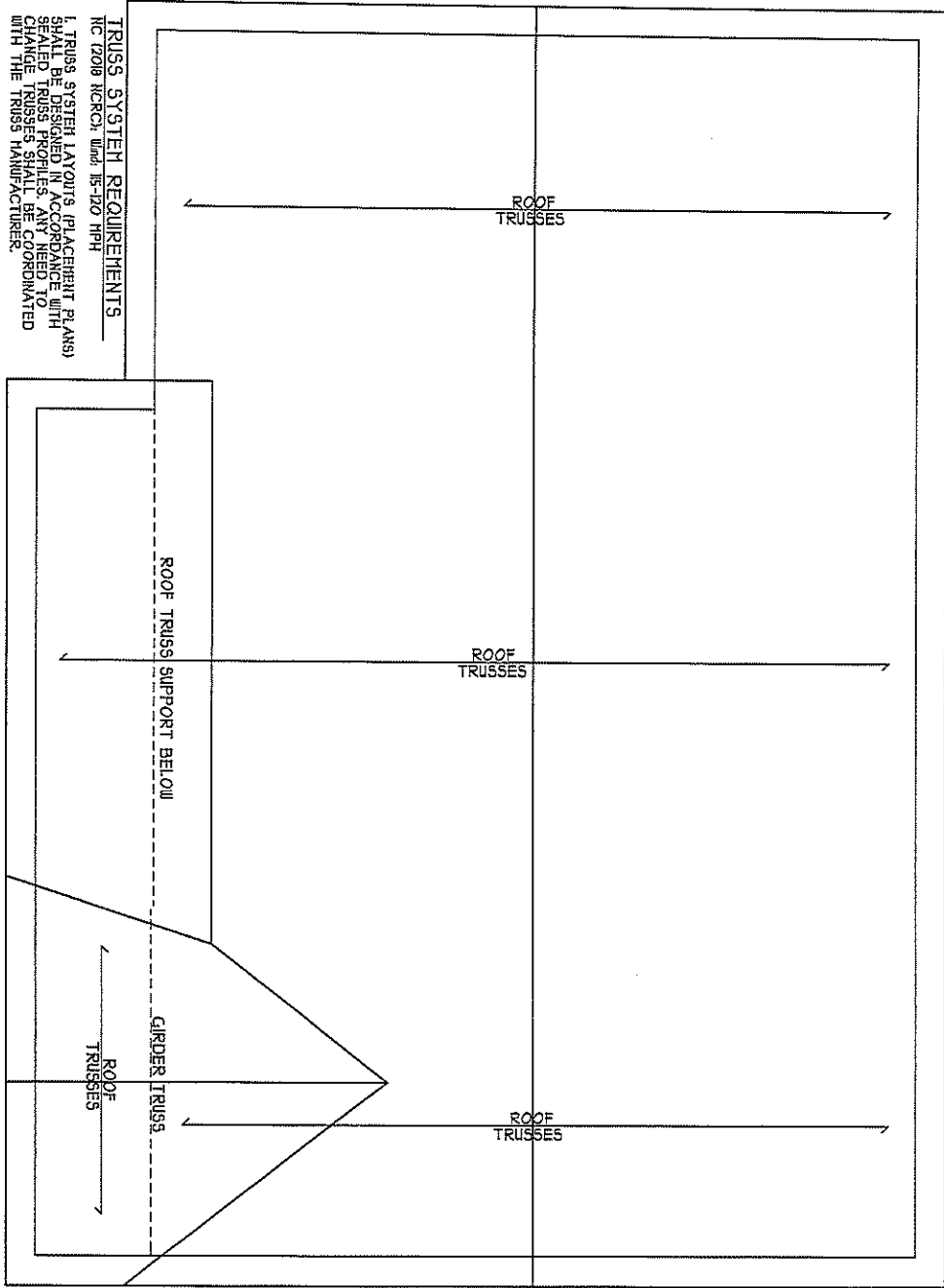
HEATHER HALL
185 HEATHERSTONE CT
BENSON NC 27504
(919) 207-1423

SQUARE FOOTAGE:	RELATED FOOTAGE:
FIRST FLOOR = 140	#1140
FRONT PORCH = 88	

THE BIRCH
RIGHT HAND

JRT MANG. PROP.





TRUSS SYSTEM REQUIREMENTS


NC (2018 WRCPC, Wind: IS-120 MPH)

1. TRUSS SYSTEM LAYOUTS (PLACEMENT PLANS) SHALL BE DESIGNED IN ACCORDANCE WITH CHANGE TRUSS PROFILES AND NEED TO CHANGE TRUSS PROFILES AND OR ORNAMENTED WITH THE TRUSS MANUFACTURER.
2. TRUSS SCHEMATICS (PROFILES) SHALL BE PREPARED AND SEALED BY TRUSS MANUFACTURER.
3. ALL TRUSSES SHALL BE DESIGNED FOR BEARING ON SPP #2 OR #3 PLATES OR LEDGERS (MIN).
4. ALL REQUIRED ANCHORS FOR TRUSSES DUE TO UPLIFT OR BEARING SHALL MEET THE REQUIREMENTS AS SPECIFIED ON THE TRUSS SCHEMATICS.

REFER TO BASIC DETAIL SHEET(S) FOR STANDARD DETAILS, BRACING DETAILS, AND STRUCTURAL NOTES

ROOF PLAN

SCALE 1/4" = 1'-0"

 <p>H SQUARED HOME DESIGN, INC.</p>	<p>HEATHER HALL 185 HEATHERSTONE CT BENSON NC 27504 19181 207-1403</p>	<p>SQUARE FOOTAGE:</p> <p>FIRST FLOOR = 1140 FRONT PORCH = 88</p>	<p>RELATED FOOTAGE:</p> <p>#1140</p>	<p>THE BIRCH RIGHT HAND JRT MANG. PROP.</p>
		<p>DATE: 04/02/2021</p> <p>BY: [Signature]</p> <p>CHK: [Signature]</p> <p>APP: [Signature]</p>	<p>NO. OF SHEETS: 1</p> <p>SHEET NO.: 010921</p>	<p>1 STORY</p>



Trenco
818 Soundside Rd
Edenton, NC 27932

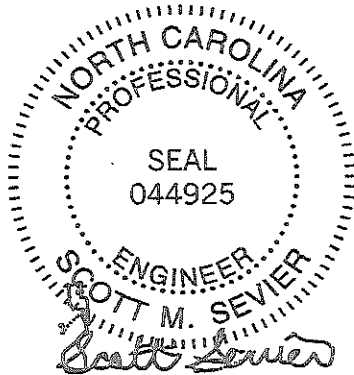
Re: 28291-28291A
BIRCH PLAN - JRT

The truss drawing(s) referenced below have been prepared by Truss Engineering Co. under my direct supervision based on the parameters provided by 84 Components - #2383.

Pages or sheets covered by this seal: I47752333 thru I47752344

My license renewal date for the state of North Carolina is December 31, 2021.

North Carolina COA: C-0844



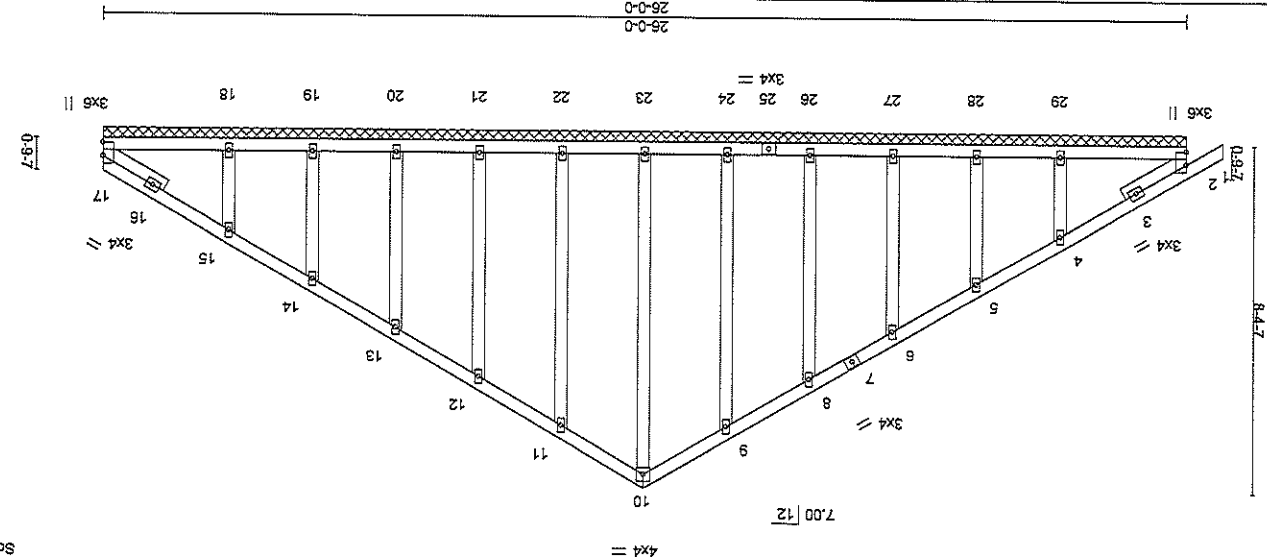
September 3, 2021

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	Truss Type	Qty	Ply	Job Reference (optional)
28291-28291A	GABLE	1	1	147752338

B4 Components (Dunn), Dunn, NC - 28334, B 520 s Aug 27 2021 MITEK Industries, Inc. Thu Sep 2 13:49:04 2021 Page 1
 ID19gftustslsmoRcZD1QEM45yE227-b5KMp8CikNwWveewITK9XGTCaUn9JuoTPYU57yh5T
 0-10-8 13-0-0 13-0-0 26-0-0 13-0-0



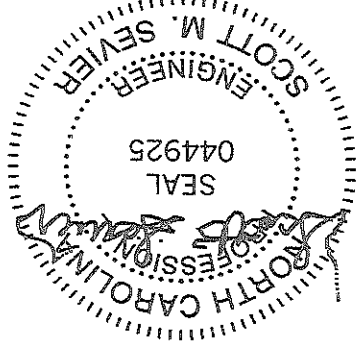
LOADING (psf)	SPACING-	CSL	DEFLL	in (loc)	l/def	L/D	PLATES	GRIP	Weight 166 lb	FT = 20%
TCLL 20.0	2-0-0	0.11	-0.00	1	n/r	120	MT20	197/144		
TCDL 10.0	Plate Grip DOL 1.15	TC 0.11	Vert(LL)	1	n/r	120				
BCLL 0.0 *	Lumber DOL 1.15	BC 0.06	Vert(CT)	1	n/r	90				
BCDL 10.0	Rep Stress Incr YES	WB 0.20	Horz(CT)	0.01	17	n/a				

LUMBER-	TOP CHORD	2x4 SP No.2 or 2x4 SPF No.2	BRACING-	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
OTHERS	2x4 SP No.3		BOT CHORD		Rigid ceiling directly applied or 10-0-0 oc bracing.
SLIDER	Left 2x4 SP No.3 1-8-12, Right 2x4 SP No.3 1-8-12				

REACTIONS, All bearings 26-0-0.
 (lb) - Max Horiz 2=200(C.7)
 Max Uplift: All uplift 100 lb or less at joint(s) 2, 24, 26, 27, 28, 22, 21, 20, 19 except 29=-117(LC 10),
 18=-111(LC 11)
 Max Grav: All reactions 250 lb or less at joint(s) 17, 2, 23, 24, 26, 27, 28, 22, 21, 20, 19 except 29=257(LC 17), 18=257(LC 18)
FORCES, (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
 (1) Unbalanced roof live loads have been considered for this design.
 (2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.50 plate grip DOL=1.60
 (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/TP1 1.
 (4) All plates are 2x4 MTT20 unless otherwise indicated.
 (5) Gable requires continuous bottom chord bearing.
 (6) Gable studs spaced at 2-0-0 oc.
 (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 2-0-0 wide will fit between the bottom chord and any other members.
 (9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 24, 26, 27, 28, 22, 21, 20, 19 except (ft=lb) 29=117, 18=111.

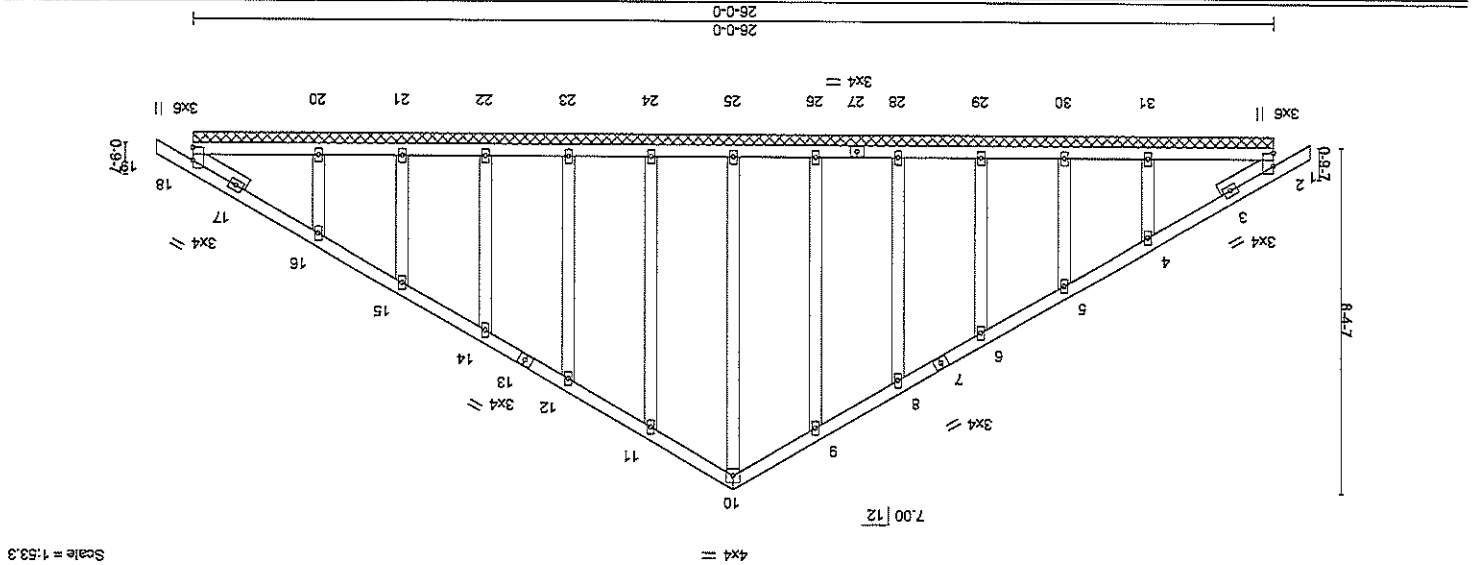
September 3, 2021



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-473 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 of trusses and truss systems, see ANSLTP1 Quality Criteria, DSB-99 and BCSI Building Component fabricator, storage, delivery, erection and bracing of trusses and truss systems, see ANSLTP1 Quality Criteria, DSB-99 and BCSI Building Component Safety Information available from Truss Plate Institute, 2570 Crain Highway, Suite 203 Waldorf, MD 20601
 818 Soundside Road
 Edenton, NC 27932
MITTEK
 ENGINEERING BY
 A MITEK AFFILIATE

Job	Truss Type	Qty	Ply	Job Reference (optional)
28291-28291A	BE	1	1	147752339
84 Components (Dunn),	Dunn, NC - 28334,			

8,520 s Aug 27 2021 MITTEK Industries, Inc. Thu Sep 2 13:49:10 2021 Page 1
 ID:19gFrussLsmoRcZD1Qeh4syE227-QFhdgCGTKDggnZ44SNpLPowUj7XC21VWK7oJyHn5N
 0-10-8 13-0-0 13-0-0 26-0-0 26-10-8 0-10-8



LOADING (psf)	SPACING-	CSL	DEFL	in (loc)	L/d	L/d	PLATES	GRIP	Weight 167 lb	FT = 20%
BCDL 10.0	2-0-0	TC 0.10	Vert(LL) 0.00	19	n/r	120	MT20	197/144		
BCLL 0.0	Lumber DOL 1.15	BC 0.06	Vert(CT) 0.00	19	n/r	90				
TCCL 20.0	Plate Gnp DOL 1.15	WB 0.20	Horz(CT) 0.01	18	n/a	n/a				
BCDL 10.0	Code IRC2015/FP12014	Matrix-S								

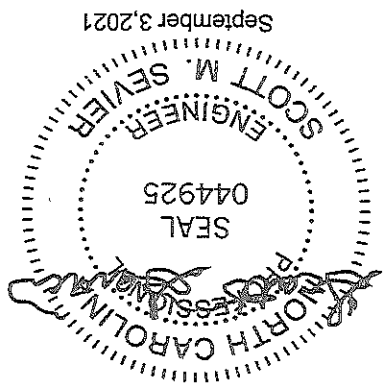
LUMBER-	TOP CHORD	BRACING-	TOP CHORD	BRACING-
2x4 SP No.2 or 2x4 SPF No.2	Structural wood sheathing directly applied or 5-0-0 cc purlins.	2x4 SP No.3	2x4 SP No.2 or 2x4 SPF No.2	2x4 SP No.3
2x4 SP No.3	Rigid ceiling directly applied or 10-0-0 cc bracing.	OTHERS	Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0	
SLIDER				

REACTIONS. All bearings 26-0-0.
 (lb) - Max Horiz 2=200(LC 8)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 26, 28, 29, 30, 24, 23, 22, 21, 18 except 31=118(LC 10),
 20=108(LC 11)
 Max Grav All reactions 250 lb or less at joint(s) 2, 25, 26, 28, 29, 30, 24, 23, 22, 21, 20, 18 except
 31=259(LC 17)

NOTES-
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCCL=6.0psf; BCDL=6.0psf; h=30ft; Cat. II; Exp B; Enclosed; MWFRS (envelope)
 DOL=1.60
 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) All plates are 2x4 MT20 unless otherwise indicated.
 5) Gable requires continuous bottom chord bearing.
 6) Gable studs spaced at 2-0-0 cc.
 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 2-0-0 wide
 will fit between the bottom chord and any other members.
 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 26, 28, 29, 30,
 24, 23, 22, 21, 18 except (1=18, 20=108.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MI-1473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MITTEK connectors. This design is based on design 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. Bearing indicated is to prevent buckling of possible parallel truss web and/or chord members only. Additional temporary and permanent bracing
 is always required for stability and to prevent personal injury and property damage. For general guidance regarding the
 fabrication, storage, delivery, erection and bracing of trusses and truss systems, see
 ANSITPI Quality Criteria, DSB-89 and BCSI Building Component
 Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601

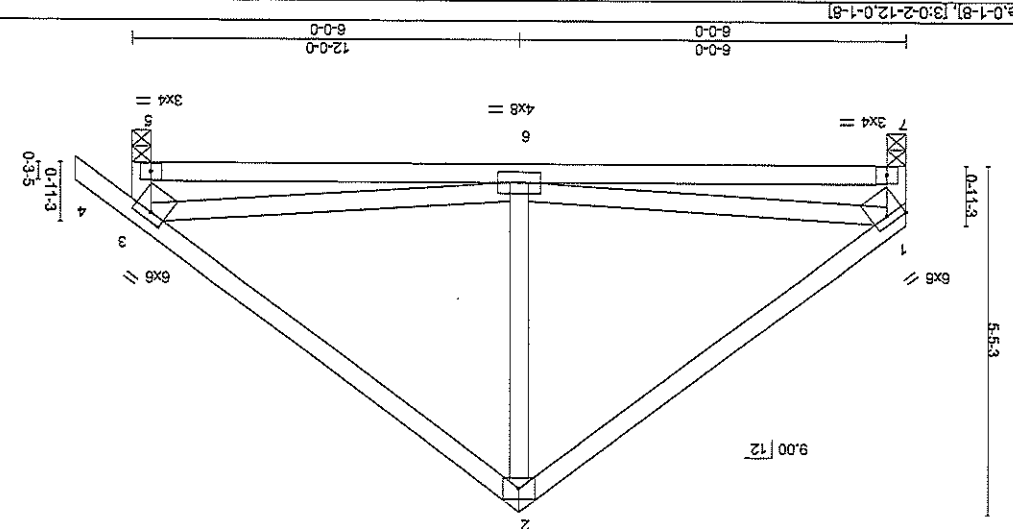
818 Soundside Road
 Eden, NC 27932
MITTEK
 ENGINEERING BY
 A MITTEK AFFILIATE



September 3, 2021

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
28291-28291A	C	Common	1	1	BIRCH PLAN - JRT
147752340					

8:520 s Aug 27 2021 MITTEK Industries, Inc. Thu Sep 2 13:49:12 2021 Page 1
 ID:19gftuslsmoRozD1QEn4syE22?-MepO4tksqwOchDTPDpbk9m12VozelVnXyH5L
 12-10-8 6-0-0 6-0-0 6-0-0 6-0-0 6-0-0 12-10-8 0-10-8
 Scale = 1:34.3

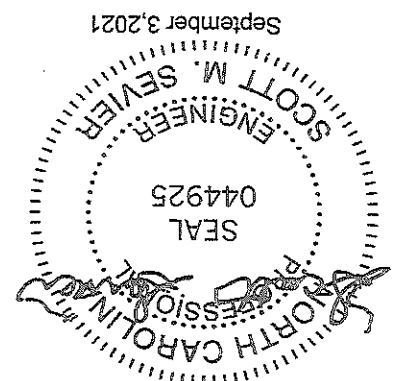


LOADING (psf)	SPACING- Plate Ghp DOL	CSL	DEFL. in (l/c)	l/del	L/d
20.0	1.15	0.58	-0.02	>999	240
TCLL	Plate Ghp DOL	TC	in (l/c)	l/del	L/d
10.0	Lumber DOL	BC	5-6	>999	180
0.0	Rep Stress Incr	WB	0.09	n/a	n/a
10.0	Code IRC2015/TP2014	Mathx-MS	0.00	5	n/a
BCLL	Rep Stress Incr	WB	0.09	n/a	n/a
BODL	Code IRC2015/TP2014	Mathx-MS	0.00	5	n/a

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 or 2x4 SPF No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7-0-3-8, 5-0-3-8
 Max Horiz 7=-121(C 8)
 Max Uplift 7=43(LC 10), 5=65(LC 11)
 Max Grav 7=466(LC 1), 5=532(LC 1)
FORCES. (lb) - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=480/105, 2-3=487/11, 1-7=414/114, 3-5=480/162
 BOT CHORD 6-7=-156/295, 5-6=-148/315

NOTES-
 (1) Unbalanced roof live loads have been considered for this design.
 (2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDD=6.0psf; BCDD=6.0psf; h=30ft; Cal. II; Exp B; Enclosed; MWFRS (envelope)
 DOL=1.60
 (3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 (4) * 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.
 (5) Bearing at joint(s) 7, 5 considers parallel to grain value using ANSIT/P1 angle to grain formula. Building designer should verify capacity of bearing surface.
 (6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5.



September 3, 2021

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
28291-28291A	CGR	Common Girder	1		BIRCH PLAN - JRT
84 Components (Dunn), Dunn, NC - 28334,					
147752342					

LOAD CASE(S) Standard
 Concentrated Loads (lb)
 Vert 8=-1019(B) 15=-1019(B) 16=-1019(B) 17=-1019(B) 18=-1019(B)

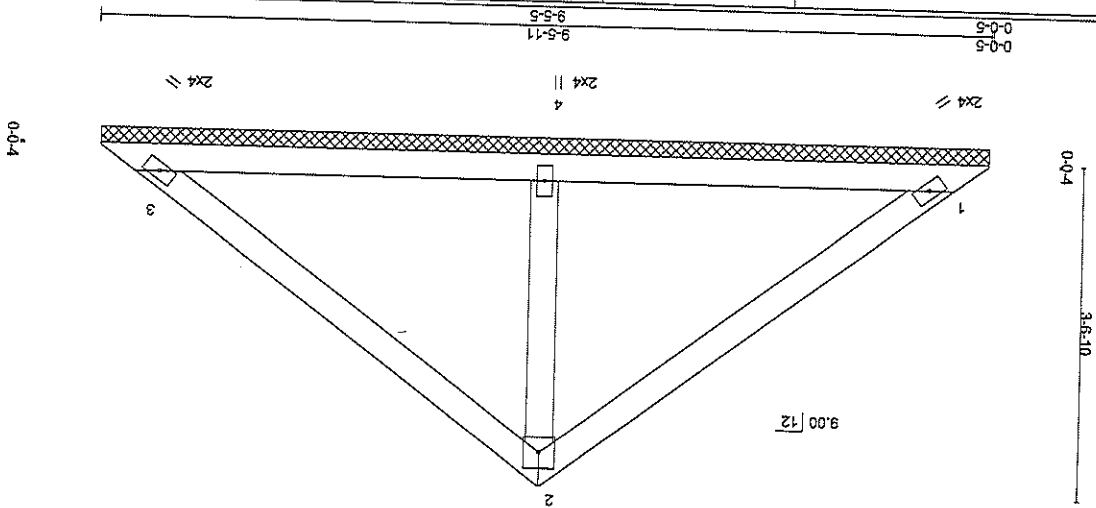
6,520 s Aug 27 2021 Mitek Industries, Inc. Thu Sep 2 13:49:28 2021 Page 2
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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE III-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with Mitek connectors. 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 ANS/TP1 Quality Criteria, DSR-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Cream Highway, Suite 203 Waldorf, MD 20601

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TRENGO
 A MITTEK AFFILIATE
 818 Soundside Road
 Edenon, NC 27932

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
28291-28291A	V1	Valley	1	1	8,520 s Aug 27 2021 Mitek Industries, Inc. Thu Sep 2 13:49:31 2021 Page 1 ID:19gFrustLsmoRcZD1QEH4syeE227-II5Z4NXeOgJhOoAbqHhGID7ATrA_ambL5BPxyHf52 4-8-13 4-8-13 9-5-11 4-8-13
84 Components (Dunn), Dunn, NC - 28334, 147752343					

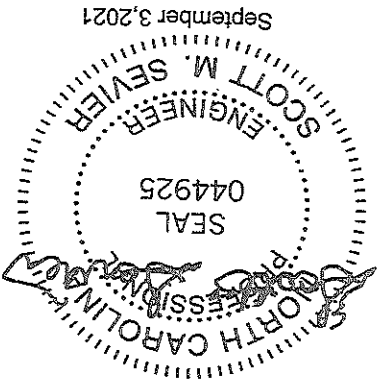
Scale = 1:23.5



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	Weight: 34 lb	FT = 20%
TCLL	20.0	TC 0.44	n/a	-	n/a	999	GRIP	244/190	
TCDL	10.0	BC 0.31	n/a	-	n/a	999	MT20		
BCLL	0.0	WB 0.06	n/a	-	n/a	999			
BCDL	10.0	Code IRC2015/TP12014	Horz(CT)	0.00	3	n/a			
LUMBER-	TOP CHORD	2x4 SP No.3	BRACING-	TOP CHORD	2x4 SP No.3				
OTHERS	2x4 SP No.3		BOT CHORD	2x4 SP No.3					

REACTIONS. (size) 1=9-5-0, 3=9-5-0, 4=9-5-0
 Max Horiz 1=80(LC 7)
 Max Uplift 1=30(LC 10), 3=41(LC 11), 4=9(LC 10)
 Max Grav 1=174(LC 1), 3=174(LC 1), 4=340(LC 1)
FORCES. (lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Valt=130mph Vasd=103mph; TC DL=6.0psf; BCDL=6.0psf; h=30ft; Cal II; Exp B; Enclosed; MWFRS (envelope) DOL=1.60
 3) Gable requires continuous bottom chord bracing.
 4) 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.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

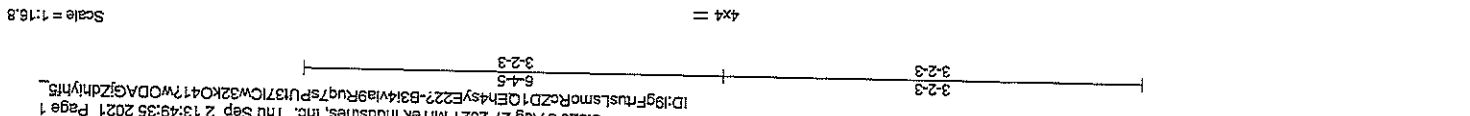


September 3, 2021

MITEK
 ENGINEERING BY
 A MITEK AFFILIATE
 818 Soundside Road
 Edenton, NC 27932

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M17473 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 and is for an individual building component, not fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSIP14 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
28291-28291A	V2	Valley	1	1	BIRCH PLAN - JRT
84 Components (Dunn), Dunn, NC - 28334, 8520 s Aug 27 2021 Mitek Industries, Inc. This Sep 2 13:49:35 2021 Page 1					



LOADING (psf)	SPACING-	CSL	DEFL	DEFL	in (loc)	l/def	L/D
TCLL 20.0	2-0-0	TC 0.23	Vert(L)	n/a	-	n/a	999
TCDL 10.0	Plate Gnp DOL	BC 0.13	Vert(CT)	n/a	-	n/a	999
BCLL 0.0	Lumber DOL	WB 0.03	Horz(CT)	0.00	3	n/a	n/a
BCDL 10.0	Rep Stress Incr	Mark-P					

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

REACTIONS	(size)	1=6-3-11, 3=6-3-11, 4=6-3-11
Max Horiz	1=51(LC 5)	
Max Uplift	1=26(LC 10), 3=33(LC 11)	
Max Grav	1=121(LC 1), 3=121(LC 1), 4=197(LC 1)	

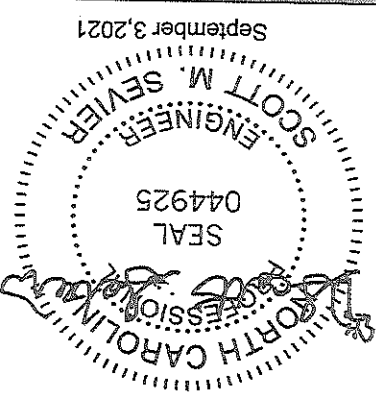
FORCES. (lb) - Max. Comp/Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph Vasd=103mph; TCDL=8.0psf; BCDL=8.0psf; Cat. II; Exp. B; Enclosed; MWFRS (envelope)
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-2473 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 of trusses and truss systems, see ANSLUP's Quality Criteria, DSB-89 and BCSI Building Component fabrication, storage, delivery, erection and bracing of trusses and truss systems, see Safety Information available from Truss Plate Institute, 2870 Crain Highway, Suite 203 Waldorf, MD 20601

818 Soundside Road
Edenton, NC 27932

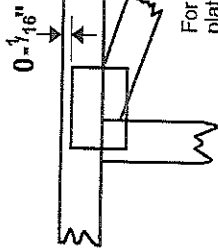
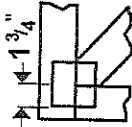


September 3, 2021

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- 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

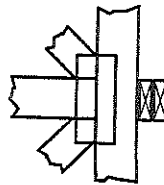
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



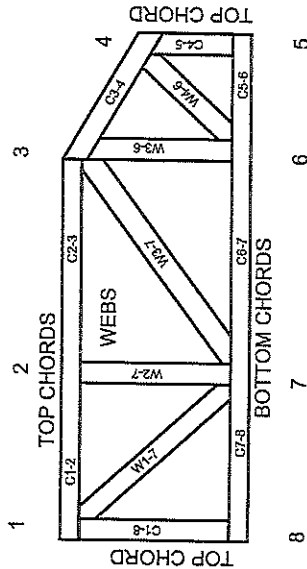
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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 1 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 lightly against each other.
- Place plates on each face of truss at each joint and embed fully. Knobs 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 purfins 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.

DO NOT REMOVE!

Details: Appointment of Lien Agent

Entry #: 1599680

Filed on: 12/17/2021
Initially filed by: rblackmonjrt

Designated Lien Agent

Project Property

Print & Post

Fidelity National Title Company, LLC

853 S. 13th Street
Erwin, NC 28339
Harnett County



Contractors:
Please post this notice on the job site.

Suppliers and Subcontractors:
Scan this image with your smart

phone to view this filing. You can then

file a Notice to Lien Agent for this

project.

Owner Information

01/01/2022

jrt managing properties
306 S. Wall St
Benson, NC 27504
United States
Email: jrtmanagingproperties@gmail.com
Phone: 919-980-1096

Technical Support Hotline: (888) 690-7384

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