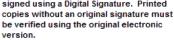
This document has been electronically signed using a Digital Signature. Printed





Alpine, an ITW Company 6750 Forum Drive, Suite 305 Orlando, FL 32821 Phone: (800)755-6001 www.alpineitw.com



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 21-5422
Job Description: Elliot Res	
Address: FL	

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res	IntelliVIEW Version: 20.01.01A		
	JRef #: 1X5c2150008		
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00		
Building Type: Closed			

This package contains general notes pages, 39 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	132.21.1716.03912	A01
3	133.21.0659.12280	B01
5	132.21.1716.04302	B03
7	132.21.1716.04646	C02
9	132.21.1716.05584	C04
11	132.21.1716.05193	C06
13	132.21.1716.04021	C08
15	132.21.1716.04709	C10
17	132.21.1716.05318	C12
19	132.21.1716.05943	C14
21	132.21.1716.06146	C16
23	132.21.1716.03741	C18
25	132.21.1716.04318	C20
27	132.21.1716.05757	C22
29	132.21.1716.03818	C24
31	132.21.1716.05271	C26
33	132.21.1716.03756	J01
35	132.21.1716.05724	J03
37	132.21.1716.06162	PB01
39	132.21.1716.06319	T10
41	A14015ENC160118	
43	BRCLBSUB0119	
45	GBLLETIN0118	

Item	Drawing Number	Truss
2	132.21.1716.04552	A02
4	132.21.1716.05115	B02
6	132.21.1716.05427	C01
8	132.21.1716.05693	C03
10	132.21.1716.05521	C05
12	132.21.1716.05506	C07
14	132.21.1716.04834	C09
16	132.21.1716.04849	C11
18	132.21.1716.06006	C13
20	132.21.1716.03881	C15
22	132.21.1716.05162	C17
24	132.21.1716.04241	C19
26	132.21.1716.04413	C21
28	132.21.1716.05866	C23
30	132.21.1716.04006	C25
32	132.21.1716.04443	HJ01
34	132.21.1716.05022	J02
36	132.21.1716.04099	J04
38	132.21.1716.04490	PB02
40	A14015ENC101014	
42	A14030ENC160118	
44	CNNAILSP1014	
46	PB160160118	

# **General Notes**

# Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

# **Temporary Lateral Restraint and Bracing:**

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

# Permanent Lateral Restraint and Bracing:

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

# **Connector Plate Information:**

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR-1118, available on-line at www.icc-es.org.

# Fire Retardant Treated Lumber:

Fire retardant treated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.

# **General Notes** (continued)

# **Key to Terms:**

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT-DB = D-Blaze Fire Retardant Treated lumber.

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

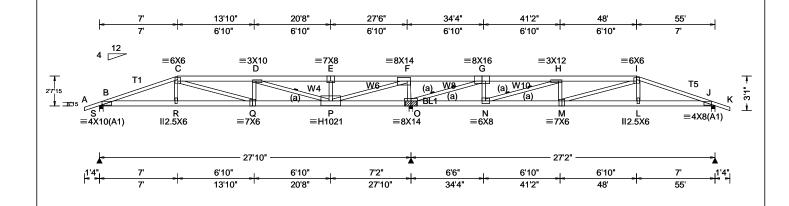
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment. W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

# References:

- 1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
- 2. ICC: International Code Council; www.iccsafe.org.
- 3. Alpine, a division of ITW Building Components Group Inc.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; <a href="https://www.alpineitw.com">www.alpineitw.com</a>.
- 4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; www.tpinst.org.
- 5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.com.



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.270 Q 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.554 Q 600 360
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.061 L
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.122 L
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.916
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.453
Spacing: 24.0 "	C&C Dist a: 5.50 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.989
_	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 20.01.01A.0724.11

Lum	ber

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31; T5 2x4 SP #2: Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W4,W10 2x4 SP #2; W6, W8 2x4 SP M-31;

## **Bracing**

(a) Continuous lateral restraint equally spaced on member.

# **Special Loads**

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)					
TC: From	61 plf at	-1.33 to	61 plf at	7.00	
TC: From	31 plf at	7.00 to	31 plf at	48.00	
TC: From	61 plf at	48.00 to	61 plf at	56.33	
BC: From	4 plf at	-1.33 to	4 plf at	0.00	
BC: From	20 plf at	0.00 to	20 plf at	7.03	
BC: From	10 plf at	7.03 to	10 plf at	47.97	
BC: From	20 plf at	47.97 to	20 plf at	55.00	
BC: From	4 plf at		4 plf at	56.33	
TC: 252 lb					
TC: 183 lb	Conc. Load	at 9.06,11.	.06,13.06,1	5.06	
17.06,19.06,21.06,23.06,25.06,27.06,27.94,29.94					
31.94,33.94,3				4	
BC: 473 lb					
BC: 127 lb	Conc. Load	at 9.06,11	.06,13.06,1	5.06	
17.06,19.06,21.06,23.06,25.06,27.06,27.94,29.94					
31.94,33.94,3	35.94,37.94,	39.94,41.94	1,43.94,45.9	4	

## Wind

Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.

# Bearing Block(s)

Brg blocks:0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 27.667' 1 12" 9 Rigid Surfa Rigid Surface Brg block to be same size and species as chord. Refer to drawing CNNAILSP1014 for more information.

## **Additional Notes**

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

The overall height of this truss excluding overhang is 2-7-15.

05/13/2021



▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
s	2002	/-	/-	/-	/398	/-
_	6768		/-	<i>/</i> -	/1327	/-
J	1920	/-	/-	/-	/381	/-
Win	d reac	tions bas	sed on MV	VFRS		
S	Brg W	/idth = 4.	.0	Min Red	q = 1.7	
0	Brg W	/idth = 4.	.0	Min Red	7 = -	
J	Brg W	/idth = 4.	.0	Min Red	q = 1.6	
Bea	rings S	S, O, & J	are a rigi	d surfac	e.	
Mer	nbers	not listed	have for	ces less	than 3	75#
Max	Maximum Top Chord Forces Per Ply (lbs)					
Cho	rds T	ens.Con	np. Ch	ords	Tens.	Comp.

B-C	1018 - 5375	F-G	6498	- 1279
C - D	1045 - 5563	G-H	155	- 1126
D-E	289 - 1787	H - I	949	- 5076
E-F	289 - 1787	I - J	961	- 5093

## Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (	Comp.
B-R	5064 - 949	O - N	900	- 133
R-Q	5016 - 950	N - M	5018	- 963
Q-P	5515 - 1060	M - L	4746	- 896
P - O	1143 - 5963	L-J	4794	- 895

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
R-C	743 0	F-O	910 - 3577
C - Q	574 - 98	O - G	1494 - 7505
Q - D	394 0	G - N	1749 - 167
D - P	811 - 4034	N - H	853 - 4216
E - P	323 - 723	H - M	467 0
P - F	7829 - 1505	I-L	735 0

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

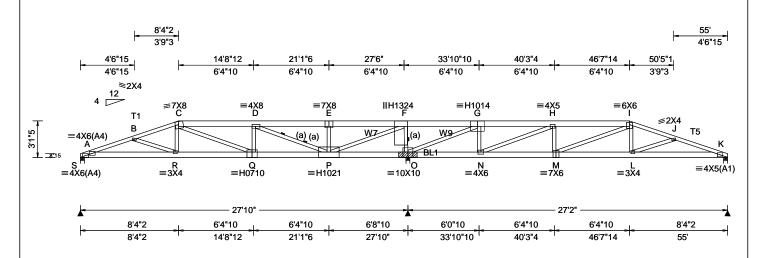
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622283 / HIPS Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T33 / Ply: 3 Qty: 1 DrwNo: 132.21.1716.04552 FROM: CDM Elliot Res Page 1 of 2 Truss Label: A02 / YK 05/12/2021

3 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.285 Q 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.560 Q 593 360
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.051 P
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.099 P
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.979
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.554
Spacing: 24.0 "	C&C Dist a: 5.50 ft	Rep Fac: Yes	Max Web CSI: 0.986
-	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 20.01.01A.0724.11
Lumber		Additional Notes	

٧L,	113			
Δd	ditio	nal	Notes	

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

\* WARNING\* A reaction exceeds 20000 lbs.

The overall height of this truss excluding overhang is 3-1-5.

### s 8031 /-/1101 /-23805 /-/-/2450 /-1371 /-/461 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 2.2 Brg Width = 4.0Min Req = Brg Width = 4.0 Min Rea = 1.5Bearings S, O, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

/Rh

Non-Gravity

/RL

/Rw /U

▲ Maximum Reactions (lbs) Gravity

Loc R+

A - B	1008 - 7432	F-G	6074	- 821
B - C	814 - 6264	G - H	555	- 177
C - D	614 - 6069	H - I	556	- 1588
D-E	139 - 2367	I - J	425	- 1136
E-F	139 - 2367	J - K	451	- 1230

### Maximum Bot Chord Forces Per Plv (lbs) Chords

Onorus	rens.comp.	Cilorus	i ciio. v	Jonnp.
A - R	6930 - 936	O - N	158	- 650
R - Q	5822 - 753	N - M	1608	- 564
Q - P	6074 - 608	M - L	1059	- 402
P - O	766 - 5408	L-K	1158	- 423

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (	Comp.
B-R	190 - 1137	F-O	439	- 5341
R-C	535 - 71	O - G	915	- 5945
D-P	684 - 4028	G - N	871	- 213
E-P	58 - 1723	N - H	574	- 2358
P - F	8418 - 806	M - I	572	- 167

(a) Continuous lateral restraint equally spaced on member

Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31;

Webs: 2x4 SP #3; W7,W9 2x4 SP M-31;

T5 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E;

## Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 5.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

## Wind

Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.

## Bearing Block(s)

Brg blocks:0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 27.667' 2 19" 27 Rigid Surface Brg block to be same size and species as chord. Refer to drawing CNNAILSP1014 for more information.



\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622283 / HIPS Ply: 3 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T33 / FROM: CDM DrwNo: 132.21.1716.04552 Qty: 1 Elliot Res Page 2 of 2 Truss Label: A02 / YK 05/12/2021

# **Special Loads**

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 31 plf at 61 plf at 10 plf at 20 plf at TC: From TC: From 0.00 to 8.34 to 31 plf at 61 plf at 10 plf at 20 plf at 55.00 50.94 BC: From 0.00 to BC: From 50.94 to 55.00 BC: 1390 lb Conc. Load at 2.06 BC: 1416 lb Conc. Load at 4.06 BC: 1411 lb Conc. Load at 6.06 BC: 1397 lb Conc. Load at 8.06,32.48,34.48 BC: 1383 lb Conc. Load at 10.06 BC: 1377 lb Conc. Load at 12.06,20.06 BC: 1370 lb Conc. Load at 14.06 BC: 1362 lb Conc. Load at 16.06 BC: 1401 lb Conc. Load at 18.06 BC: 1532 lb Conc. Load at 22.06 BC: 1431 lb Conc. Load at 24.06 BC: 1375 lb Conc. Load at 24.52 BC: 1483 lb Conc. Load at 26.52,28.52,30.48 BC: 1427 lb Conc. Load at 36.48 BC: 1349 lb Conc. Load at 38.48 BC: 1459 lb Conc. Load at 40.48 BC: -192 lb Conc. Load at 42.48

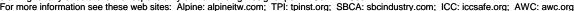
It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

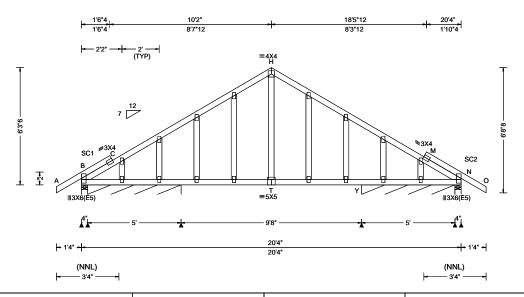
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.





SEQN: 623128 GABL Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T25 Qty: 1 FROM: CDM DrwNo: 133.21.0659.12280 Elliot Res Truss Label: B01 KD / WHK 05/13/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.018 U 999 480
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.034 U 999 360
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 G
Dec 1 d · 10 00	EXP: C Kzt: NA		HORZ(TL): 0.016 G
NODOLL, 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.180
I	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.371
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.055
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;

# **Special Loads**

(Lu	mber D	ur.Fac.=1	.25 / Plate D	ur.Fac.=1.2	25)
TC: Fr	om	63 plf at	-1.33 to	63 plf at	7.06
TC: Fr	om	32 plf at	7.06 to	32 plf at	13.27
TC: Fr	om	63 plf at	13.27 to	63 plf at	21.67
BC: Fr	om	5 plf at	-1.33 to	5 plf at	0.00
BC: Fr	om	20 plf at	0.00 to	20 plf at	7.06
BC: Fr		10 plf at	7.06 to	10 plf at	13.27
BC: Fr	om	20 plf at	13.27 to	20 plf at	20.33
BC: Fr	om	5 plf at	20.33 to	5 plf at	21.67
TC:	12 lb C	onc. Load	dat 7.06, 9.0	06,11.27,13	.27
BC:	20 lb C	onc. Load	dat 7.06, 9.0	06,11.27,13	3.27

# **Plating Notes**

All plates are 2X4 except as noted.

## Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

## **Additional Notes**

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

The overall height of this truss excluding overhang is

▲ Maximum Reactions (lbs), or *=PLF						
	(	Gravity		No	on-Gra	vity
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	361	/-	/-	/-	/98	/-
В*	102	/-	/-	/-	/17	/-
Y*	101	/-	/-	/-	/17	/-
N	364	/-	/-	/-	/99	/-
Wii	nd rea	ctions b	ased on	MWFRS		
В	Brg \	Width =	4.0	Min Re	q = 1.5	5
В		Width =	60.0	Min Re	q = -	
Υ	Brg \	Width =	60.0	Min Re	q = -	
N	Brg \	Width =	4.0	Min Re	q = 1.5	5
Bea	arings	B, B, Y,	& N are	a rigid su	rface.	
Members not listed have forces less than 375#						
Maximum Bot Chord Forces Per Ply (lbs)						
Ch	ords	Tens.Co	mp.	Chords	Tens.	Comp.

T - N

534 - 136

B - T

- 136

534



\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

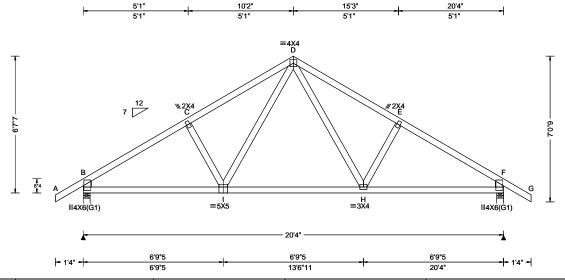
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

6750 Forum Drive Suite 305 Orlando FL, 32821 SEQN: 622227 / COMN Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T37 / FROM: CDM Qty: 9 Elliot Res DrwNo: 132.21.1716.05115 Truss Label: B02 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	s)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.039 H 999 480	Loc R+ /R- /Rh	/Rw /U /RL
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.075 H 999 360	B 985 /- /-	/559 /161 /192
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 H	F 985 /- /-	/559 /161 /-
Dec 1 4: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.031 H	Wind reactions based on M	WFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	3	Min Req = 1.5
0-4:4	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.342		Min Req = 1.5
1.7 1.2 . 7 1.22	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.550	Bearings B & F are a rigid s	
	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.170	Members not listed have for	
-   -   -   -   -   -   -   -   -   -	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Ford Chords Tens.Comp. C	• • •
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp. C	hords Tens. Comp.
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11		- E 286 -1188
Lumber		I AAVVA E		<sup>I</sup> C - D 287 - 1187 E	- F 249 - 1341

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Lt Stub Wedge: 2x4 SP #3;Rt Stub Wedge: 2x4 SP #3;

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

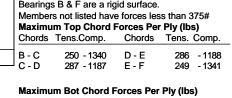
# Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is 6-7-7.



Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.C	comp.	Chords	Tens. (	Comp.
B - I I - H	1074 746	- 119 - 5	H-F	1075	- 122

Maximum Web Forces Per Ply (lbs)

Tens.Comp. Tens. Comp. Webs Webs I - D 444 D-H 446 - 84



05/13/2021

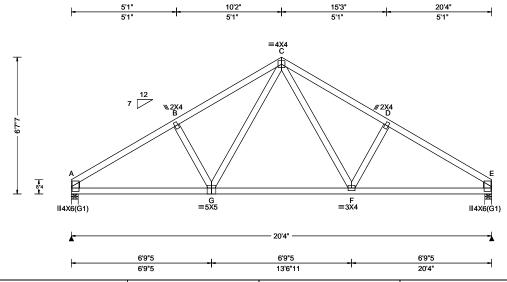
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622229 / COMN Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T36 / FROM: CDM Qty: 3 Elliot Res DrwNo: 132.21.1716.04302 Truss Label: B03 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.037 F 999 480	Loc R+ /R- /Rh /Rw /U /RL
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.073 F 999 360	A 895 /- /- /483 /10 /152
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 F	E 895 /- /- /483 /10 /-
Dec 1 d: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.031 F	Wind reactions based on MWFRS
INCOCIL: 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	A Brg Width = 4.0 Min Req = 1.5
0-40	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.277	E Brg Width = 4.0 Min Req = 1.5
l	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.556	Bearings A & E are a rigid surface.
	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.175	Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	A - B 257 - 1359 C - D 294 - 1208 B - C 295 - 1207 D - E 257 - 1361
Lumber	•			B-C 295-1207 D-E 257-1361

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Lt Stub Wedge: 2x4 SP #3;Rt Stub Wedge: 2x4 SP #3;

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is 6-7-7.

Maximu	m Bot Chord	Forces Per	Ply (lbs	5)
Chords	Tens.Comp.	Chords	Tens.	Comp.

A - G 1095 - 159 F-E 1095 - 159 G-F 755 - 37

Maximum Web Forces Per Ply (lbs)

Tens.Comp. Tens. Comp. Webs Webs G-C C-F 458 460 - 88



05/13/2021

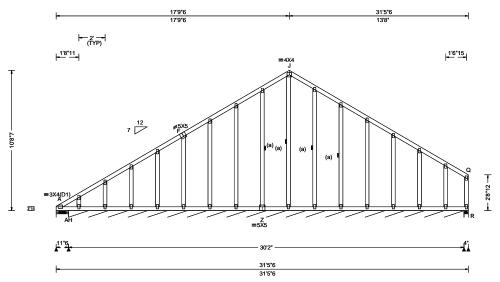
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622274 / GABL Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T22 / FROM: CDM Qty: 1 DrwNo: 132.21.1716.05427 Elliot Res Truss Label: C01 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 J 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 J 999 360
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.008 Q
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.011 Q
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.082
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.029
Spacing: 24.0 "	C&C Dist a: 3.14 ft	Rep Fac: Yes	Max Web CSI: 0.160
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.25	WAVE	VIEW Ver: 20.01.01A.0724.11
Lumber		•	_

Gravity Non-Gr.  Loc R+ /R- /Rh /Rw /U  A 69 /- /- /177 /118  AH*83 /- /- /50 /15  R 56 /- /- /36 /8	/ RL
A 69 /- /- /177 /118 AH*83 /- /- /50 /15	
AH*83 /- /- /50 /15	/251
R 56 /- /- /36 /8	/-
	/-
Wind reactions based on MWFRS	
A Brg Width = 11.4 Min Req = 1	.5
AH Brg Width = 362 Min Req = -	
R Brg Width = 4.0 Min Req = 1	.5
Bearings A, AH, & R are a rigid surface.	
Members not listed have forces less than	375#

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

## **Bracing**

(a) Continuous lateral restraint equally spaced on

# **Plating Notes**

All plates are 2X4 except as noted.

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

# **Additional Notes**

See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

The overall height of this truss excluding overhang is 10-8-7.



05/13/2021

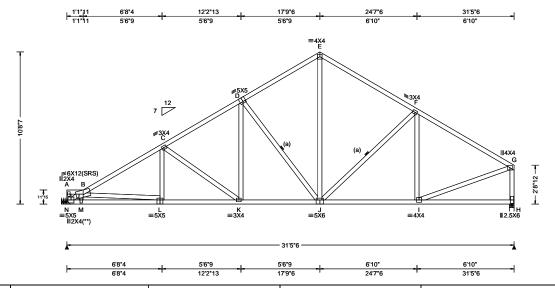
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621989 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T7 / FROM: CDM Qty: 1 DrwNo: 132.21.1716.04646 Elliot Res Truss Label: C02 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.095 K 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.184 K 999 360
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.037 H
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.070 H
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.631
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.667
Spacing: 24.0 "	C&C Dist a: 3.14 ft	Rep Fac: Yes	Max Web CSI: 0.624
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

# Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# **Plating Notes**

(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

## Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

## Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

	▲ Maximum Reactions (I				(lbs)		
<u>.</u>		G	ravity		1	Non-Grav	vity
30	Loc	R+	/ R-	/Rh	/ Rw	/ / U	/ RL
60	N	1390	/-	/-	/753	/214	/250
-	Н	1426	/-	/-	/718	/218	/-
-	Win	d reac	tions ba	sed on	<b>MWFRS</b>	3	
	N	Brg W	/idth = -		Min R	eq = -	
	Н	Brg W	/idth = 4	.0	Min R	eq = 1.7	•
	Bearing H is a rigid surfa				ce.	•	
	Mer	nbers	not liste	d have	forces le	ss than 3	375#
	Max	cimum	Top Cl	nord F	orces Pe	r Ply (lb	s)
	Cho	rds T	ens.Cor	np.	Chords	Tens.	Ćomp.
	В-	_	604 - 2	3//	F-F	501	- 1394
	C-	Ď	558 - 1	-		421	- 15 <del>68</del>

### Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. N - M 2191 - 651 1528 - 325 M - L 2193 - 670 1283 - 277

507 - 1361

D-E

# L-K 1953 - 522 Maximum Web Forces Per Ply (lbs)

	Tens.Comp.	Webs		
N - B	667 - 2545	E-J	914 - 300	
C - K	242 - 511	I-G	1328 - 274	
K - D	483 - 88	G - H	383 - 1377	
D-J	296 - 702			



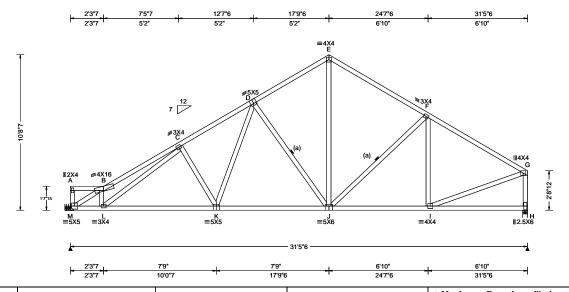
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621986 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T4 / FROM: CDM Qty: 1 DrwNo: 132.21.1716.05693 Elliot Res Truss Label: C03 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.099 K 999 480	١
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.189 K 999 360	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.035 H	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.067 H	ı
NCBCLL: 10.00	Mean Height: 15.28 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.632	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.883	
Spacing: 24.0 "	C&C Dist a: 3.14 ft	Rep Fac: Yes	Max Web CSI: 0.526	
-	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	
Lumban				_

### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 1416 /-/736 /218 /233 1444 /-/-/718 /219 /-Wind reactions based on MWFRS Brg Width = -Min Rea = -Brg Width = 4.0 Min Reg = 1.7Bearing H is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 549 - 2650 372 - 1427 C-D 444 - 2088 300 - 1586 D-E 377 - 1388

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.		Chords	Tens. Comp.		
M - L L - K	2233 1930	- 453 - 351	K - J J - I	1526 1299		

Maximum web Forces Per Ply (lbs)						
Webs Tens.Comp.		Webs	Tens. Comp.			
M - B	477 - 2587	D-J	230	- 680		
L-C	428 - 140	E-J	952	- 215		
C - K	204 - 384	I-G	1344	- 180		
K - D	625 - 100	G-H	269	- 1391		



05/13/2021

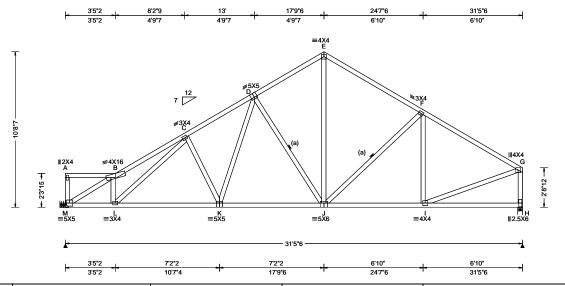
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621983 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T3 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.05584 Truss Label: C04 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.100 K 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.190 K 999 360
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.035 H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.067 H
NCBCLL: 10.00	Mean Height: 15.61 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.634
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.788
Spacing: 24.0 "	C&C Dist a: 3.14 ft	Rep Fac: Yes	Max Web CSI: 0.739
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

▲ Maximum Reactions (lbs)						
	G	ravity		N	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
м	1411	/-	/-	/719	/224	/217
Н	1442	/-	/-	/718	/220	/-
Win	d read	tions b	ased on	MWFRS		
М	M Brg Width = -			Min Re	eq = -	
Н	Brg V	Vidth =	4.0	Min Req = 1.7		
Bea	ring H	l is a rig	jid surfa	ce.	-	
Mer	nbers	not list	ed have	forces les	s than 3	375#
Max	Maximum Top Chord Forces Per Ply (lbs)					s)
Cho	rds 1	ens.Co	omp.	Chords	Tens.	Comp.
В-	c _	582 -	2571	E-F	378	- 1423
C -	Ď		2018		305	- 1585

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Cor	mp.	Chords	Tens. C	Comp.	
M - L L - K	2167 - 1858 -		K - J J - I	1490 1298		

# Maximum Web Forces Per Ply (lbs)

386 - 1375

D-E

Webs	Tens.Comp.	mp. Webs		Tens. Comp.		
M - B	511 - 2506	D-J	231	- 671		
L-C	439 - 177	E-J	957	- 226		
C - K	209 - 402	I-G	1344	- 184		
K - D	627 - 118	G - H	274	- 1390		



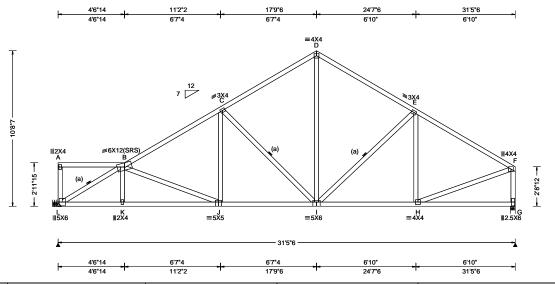
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621980 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T5 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.05521 Truss Label: C05 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	ວຣ)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	. No
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.096 J 999 480	Loc R+ /R- /Rh	/ Rw
DOLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.186 J 999 360	L 1397 /- /-	/704
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.037 G	G 1426 /- /-	/720
Dec I d: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.071 G	Wind reactions based on M	/WFRS
NCBCLL: 10.00	Mean Height: 15.81 ft	Building Code:	Creep Factor: 2.0	L Brg Width = -	Min Rec
0-454	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.637	G Brg Width = 4.0	Min Rec
	BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.725	Bearing G is a rigid surface	
		Rep Fac: Yes	Max Web CSI: 0.528	Members not listed have for	
Spacing. 24.0	C&C Dist a: 3.14 ft	FT/RT:20(0)/10(0)	Max 1100 001. 0.020	Maximum Top Chord For	ces Per F
	Loc. from endwall: not in 9.00 ft			Chords Tens.Comp. C	Chords
	GCpi: 0.18	Plate Type(s):	\(\(\text{\tinit}\\ \text{\tin}\tint{\text{\text{\tin}\tint{\text{\text{\text{\text{\text{\tin}\tint{\text{\text{\text{\text{\text{\text{\text{\ti}\tint{\ti}\tint{\text{\tin}\tint{\text{\text{\text{\text{\text{\text{\texi}\tint{\text{\tinit}\tint{\text{\tinter{\text{\ti}\tint{\tiint{\tint{\tinit}\tint{\tinithtt{\tint{\tiin}\tint{\tiin}\tiin	B - C 420 - 2013 D	D - E
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11		E - F
Lumber				0 2 004 1000 1	- •

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

	▲ Ma	ximu	m Reac	tions (II	bs)		
		Gı	ravity	_	No	n-Grav	rity
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
0	L 1	1397	/-	/-	/704	/228	/207
-	G 1	426	/-	/-	/720	/220	
-	Wind	l reac	tions ba	sed on N	<b>IWFRS</b>		
	L I	Brg W	idth = -		Min Re	q = -	
	G	Brg W	idth = 4	.0	Min Re	q = 1.7	
	Bear	ing G	is a rigid	d surface	е.		
	Mem	bers r	not listed	d have fo	orces less	than 3	75#
	Maxi	imum	Top Ch	ord Fo	rces Per	Ply (lbs	s)
	Chor	ds T	ens.Con	np. (	Chords	Tens.	Ćomp.
	B - C	;	420 - 20	013 I	D - E	384	- 1396
	C - L		384 - 1		F - F	309	- 1567

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. C	omp.
L-K	2114 - 473	J - I	1641	- 267
K - J	2108 - 476	I - H	1282	- 191

## Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
L-B	554 - 2441	D - I	896 - 210
B-J	226 - 491	H - F	1327 - 187
J - C	422 - 20	F-G	278 - 1376
C-I	253 - 760		



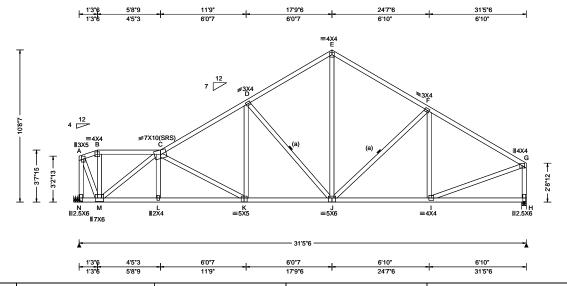
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621977 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T19 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.05193 Truss Label: C06 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.090 K 999 480
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.173 K 999 360
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 H
Dec  d   10 00	EXP: C Kzt: NA Mean Height: 15.81 ft		HORZ(TL): 0.064 H
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.630
	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.655
Spacing: 24.0 "	C&C Dist a: 3.14 ft	Rep Fac: Yes	Max Web CSI: 0.977
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

# Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

	▲ Maxin	num Rea	ictions (	(lbs)		
		Gravity		No	on-Grav	vity
,	Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	N 1383	3 /-	/-	/696	/228	/204
	H 1420	3 /-	/-	/722	/219	/-
	Wind rea	actions b	ased on	<b>MWFRS</b>		
	N Brg	Width =	-	Min Re	q = -	
	H Brg	Width =	4.0	Min Re	$\dot{q} = 1.7$	,
	Bearing	H is a rig	id surfa	ce.	•	
	Member	s not list	ed have	forces less	s than 3	375#
	Maximu	m Top C	hord F	orces Per	Ply (lb	s)
	Chords	Tens.Co	mp.	Chords	Tens.	Ćomp.
-	A - B	173	- 609	D-E	394	- 1374
	B-C	-	- 577	E-F	391	-
		-	-			
	C-D	435 -	1933	F-G	315	- 1567

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
M - L L - K	2002 - 460 1998 - 463		1580 - 261 1282 - 196	_

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
A - N	376 - 1376	D-J	255	- 730
A - M	1312 - 375	E-J	908	- 226
M - C	405 - 1811	1 - G	1327	- 193
C - K	230 - 466	G-H	282	- 1376
K-D	436 - 53			



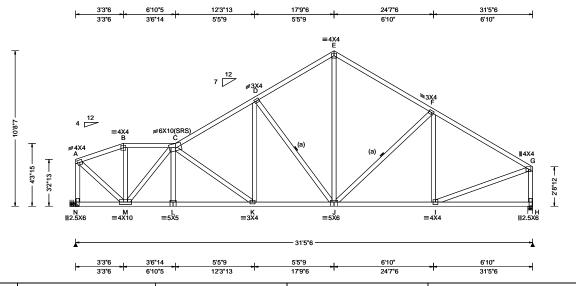
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621974 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T9 / FROM: CDM Qty: 1 DrwNo: 132.21.1716.05506 Elliot Res Truss Label: C07 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.084 K 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.161 K 999 360
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.059 B
NCBCLL: 10.00	Mean Height: 15.81 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.633
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.662
Spacing: 24.0 "	C&C Dist a: 3.14 ft	Rep Fac: Yes	Max Web CSI: 0.659
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

# Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

▲ Max	▲ Maximum Reactions (lbs)					
	Gravity Non-Gravity					vity
Loc I	₹+	/ R-	/ Rh	/ Rw	/U	/ RL
N 13	377	/-	/-	/692	/229	/198
H 14	125	/-	/-	/723	/219	/-
Wind	reac	tions b	ased on	<b>MWFRS</b>		
N B	rg V	Vidth =	: <b>-</b>	Min Re	eq = -	
н в	rg V	Vidth =	4.0	Min Re	eq = 1.7	•
Bearin	ng H	is a ri	gid surfa	ce.	•	
Memb	ers	not list	ed have	forces les	s than 3	375#
Maxir	num	Top (	Chord F	orces Per	Ply (lb	s)
Chord	ls T	ens.C	omp.	Chords	Tens.	Ćomp.
A - B		315 -	1145	D-E	405	- 1359
B-C		320 -	1065	E-F	398	- 1391
C - D		445 -	1857	F-G	320	- 1566

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. (	Comp.	
И - L K		- 436 - 438	K - J J - I	1521 1281		

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
A - N	374 - 1346	D-J	257	- 707
A - M	1389 - 359	E-J	920	- 242
M - C	283 - 1284	1 - G	1327	- 198
C - K	233 - 451	G-H	286	- 1375
K - D	459 - 85			



05/13/2021

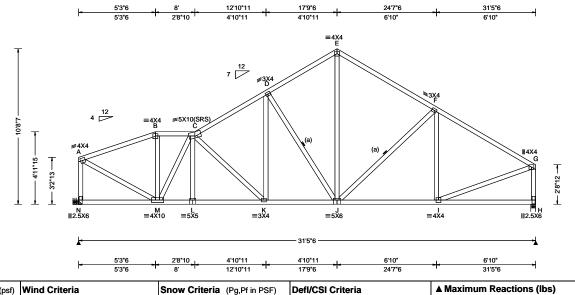
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621971 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T21 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.04021 Truss Label: C08 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Loading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.81 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.14 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11
Lumber			

### Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1370 /-/688 /229 /197 1423 /-/723 /219 /-Wind reactions based on MWFRS Brg Width = -Min Reg = Brg Width = 4.0 Min Reg = 1.7Bearing H is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 374 - 1471 408 - 1342 B - C 384 - 1357 E-F 398 - 1387 C-D 443 - 1779 F-G 320 - 1564

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

# Bracing

(a) Continuous lateral restraint equally spaced on

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

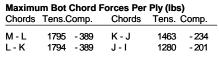
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.



### Maximum Web Forces Per Ply (lbs) Tens. Comp. Webs Tens.Comp. Webs

A - N 336 - 1321 D-J 251 -685 A - M 1521 - 361 E-J 929 - 251 M - C 207 - 911 1 - G 1325 - 198 C - K 229 - 446 G - H 286 - 1373 K - D 479



05/13/2021

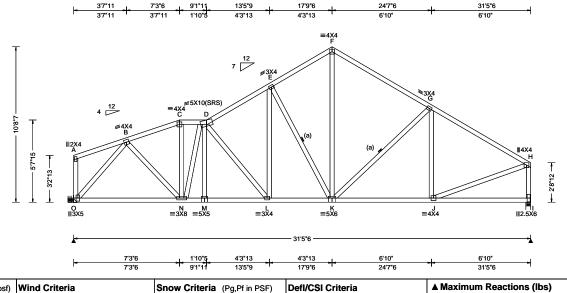
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621967 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T18 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.04834 Truss Label: C09 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.078 L 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.150 L 999 360
	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 C
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.81 ft		HORZ(TL): 0.059 C
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.637
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.770
Spacing: 24.0 "	C&C Dist a: 3.14 ft	Rep Fac: Yes	Max Web CSI: 0.914
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11
Lumber			

### 1362 /-1419 Wind reactions based Brg Width = 0 Brg Width = 4.0 Bearing I is a rigid sur Members not listed ha Maximum Top Chore Chords Tens.Comp. 387 - 1603

C-D

D-E

Loc R+

Gravity

/R

/Rh

/- /-	/722	/20 /-
ions based or	n MWFRS	
idth = -	Min Re	eq = -
idth = 4.0	Min Re	eq = 1.7
a rigid surfa	ce.	
not listed have	e forces les	s than 375#
<b>Top Chord F</b>	orces Per	Ply (lbs)
ens.Comp.	Chords	Tens. Comp.
387 - 1603	E-F	405 - 1323
388 - 1494	F-G	392 - 1382

Non-Gravity

/RL

/197

315 - 1561

/Rw /U

/684 /29

# Bracing

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

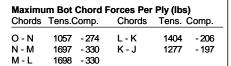
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.



G-H

# Maximum Web Forces Per Ply (lbs)

431 - 1704

Webs	Tens.Comp.	Webs	Tens. Comp.
O - B	370 - 1594	E-K	237 - 663
B - N	628 - 96	F-K	935 - 251
N - D	191 - 669	J - H	1322 - 193
D-L	228 - 455	H - I	282 - 1370
L-E	502 - 137		



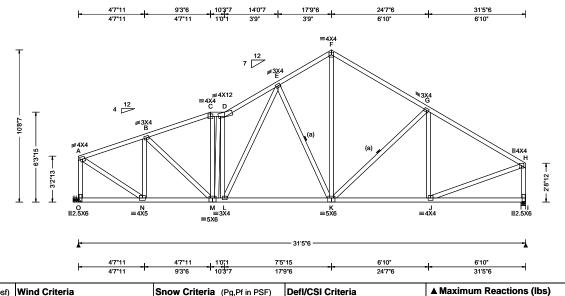
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621995 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T2 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.04709 Truss Label: C10 / YK 05/12/2021



Snow Criteria (Pg,Pf in PSF) De	Defl/CSI Criteria	
Pg: NA Ct: NA CAT: NA PF	P Deflection in loc L/defl L/#	
Pf: NA Ce: NA VE	RT(LL): 0.085 D 999 480	
Lu: NA Cs: NA VE	RT(CL): 0.160 D 999 360	
Snow Duration: NA HC	ORZ(LL): 0.029 C	
HC	ORZ(TL): 0.054 C	
Building Code: Cre	eep Factor: 2.0	
FBC 7th Ed. 2020 Res. Ma	ax TC CSI: 0.638	
TPI Std: 2014 Ma	ax BC CSI: 0.832	
Rep Fac: Yes Ma	ax Web CSI: 0.571	
t FT/RT:20(0)/10(0)		
Plate Type(s):		
WAVE	EW Ver: 20.01.01A.0724.11	
f	Pg: NA Ct: NA CAT: NA PF: NA Ce: NA VE Lu: NA Cs: NA Snow Duration: NA HC Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes ft FT/RT:20(0)/10(0) Plate Type(s):	

# Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

f in PSF)	DefI/CSI Criteria	▲ Maxim
CAT: NA	PP Deflection in loc L/defl L/#	(
Ce: NA	VERT(LL): 0.085 D 999 480	Loc R+
	VERT(CL): 0.160 D 999 360	O 1401
	HORZ(LL): 0.029 C	I 1448
	HORZ(TL): 0.054 C	Wind rea
	Creep Factor: 2.0	O Brg \
s.	Max TC CSI: 0.638	I Brg \
	Max BC CSI: 0.832	Bearing I
	Max Web CSI: 0.571	Members
		Maximur
		Chords
	VIEW Ver. 20 04 04 A 0724 44	A - B

) I	LUC	IXT	/ 13-	/ 1311	/ 1744	, 0	/ INL	
5	0	1401	/-	/-	/680	/30	/196	
	1	1448	/-	/-	/719	/20	/-	
	Win	d reac	tions b	ased or	n MWFRS	;		
	0	Brg V	Vidth =	-	Min R	eq = -		
	1	Brg V	Vidth =	4.0	Min R	eq = 1.7	7	
	Bea	ring I i	is a rigi	d surfac	ce.			
	Men	nbers	not list	ed have	forces les	ss than :	375#	
	Max	imum	Top (	Chord F	orces Pe	r Ply (lb	s)	
	Cho	rds T	ens.Co	omp.	Chords	Tens.	Comp.	_
	A - E	3	301 -	1371	E-F	392	- 1365	
J	B - (	5	389 -	1735	F-G	378		
	C - [	)	392 -	1607	G-H	306	- 1592	
	D - E	Ξ	510 -	2028				

/Rh

Non-Gravity

/RI

/Rw /U

Gravity

/ R-

Maximum bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens. Comp			
-						

1407 - 183 N - M 1303 - 301 L-K M - L 1711 - 288 K - .I 1305 - 189

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
A - O	322 - 1362	L-E	741 - 255	
A - N	1499 - 290	E - K	242 - 639	
N - B	211 - 720	F-K	994 - 241	
B - M	411 - 76	J - H	1350 - 185	
M - D	94 - 738	H - I	275 - 1396	



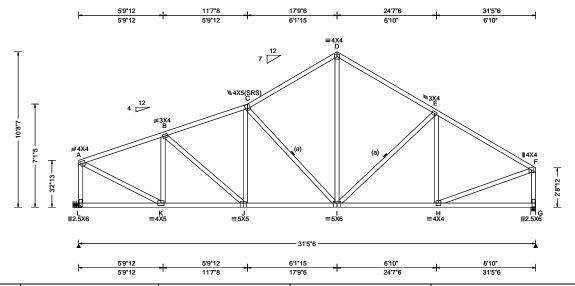
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 621998 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T8 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.04849 Truss Label: C11 / YK 05/12/2021



Loading Criteria (psf)   Wind Criteria		Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.073 C 999 480	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.140 C 999 360	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.024 G	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.045 G	
NCBCLL: 10.00	Mean Height: 15.81 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.639	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.651	
Spacing: 24.0 "	C&C Dist a: 3.14 ft	Rep Fac: Yes	Max Web CSI: 0.589	
' - "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

y / RL
/ PI
17
/195
/-
5#
omp.
- 1389
- 1562
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
K - J		- 330	I-H	1277	- 171

# Maximum Web Forces Per Ply (lbs)

355 - 1367

C-D

Webs	Tens.Comp.	Webs	Tens. Comp.
A - L	324 - 1325	D-I	881 - 182
A - K	1546 - 291	H - F	1322 - 166
K - B	197 - 600	F-G	259 - 1372
$\sim$ 1	272 706		



05/13/2021

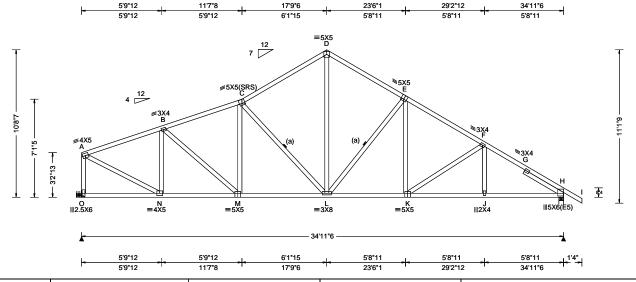
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622006 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T40 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.05318 Truss Label: C12 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.110 L 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.212 L 999 360
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.044 J
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.085 J
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.495
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.692
Spacing: 24.0 "	C&C Dist a: 3.49 ft	Rep Fac: Yes	Max Web CSI: 0.667
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Rt Slider: 2x4 SP #3; block length = 3.257'

(a) Continuous lateral restraint equally spaced on member

## Hangers / Ties

(J) Hanger Support Required, by others

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

## Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

▲ Max	ımum ı	Reactions	s (IDS)		
	Gravi	ty	Non-Gravity		
Loc R	R+ / F	R- / RI	n /Rw	/ U	/ RL
O 15	32 /-	/-	/815	/30	/272
H 16	41 /-	/-	/916	/26	/-
Wind r	eaction	s based o	n MWFRS		
O Br	g Widtl	h = -	Min R	eq = -	
H Brg Width = 4.0			Min Reg = 1.9		
Bearin	g Hisa	a rigid surf	face.	-	
Membe	ers not	listed hav	e forces les	s than 3	375#
Maxim	num To	p Chord	Forces Pe	r Ply (lb	s)
Chords	s Tens	.Comp.	Chords	Tens.	Comp.
Δ - R	35	3 - 1703	F-F	423	- 2145
					-
C-D			_		- 2514
	Loc F O 15 H 16 Wind r O Br H Br Bearin Membr Maxim Chords A - B B - C	Coravi   Loc	Cravity   Loc   R+	Loc         R+         / R-         / Rh         / Rw           O         1532         /-         /-         /815           H         1641         /-         /916           Wind reactions based on MWFRS         O Brg Width = -         Min R           H         Brg Width = 4.0         Min R           Bearing H is a rigid surface.         Members not listed have forces les           Maximum Top Chord Forces Perchords         Tens.Comp.         Chords           A - B         353 - 1703         E - F           B - C         419 - 1998         F - G	O   1532   -

411 - 1669

D-E

Chords	Tens.Comp.		Chords	Tens. Comp.	
N - M	1605	- 283	K-J	2060	- 240
M - L	1842	- 231	J - H	2063	- 240
I - K	1761	- 131			

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
A - O	342 - 1481	D-L	1208	- 244
A - N	1751 - 315	L-E	207	- 634
N - B	208 - 696	E - K	382	- 31
C-L	283 - 709			



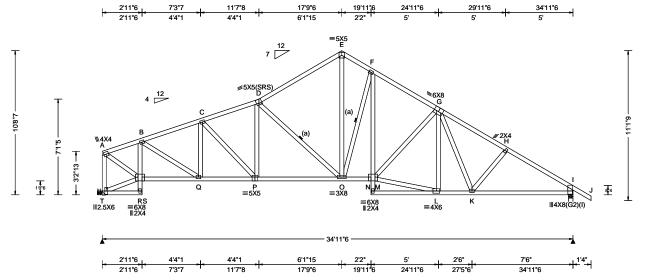
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622009 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T34 / Qty: 1 FROM: CDM DrwNo: 132.21.1716.06006 Elliot Res Truss Label: C13 / YK 05/12/2021



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria	•
Coading Criteria (psf)   Wind Criteria	Pg: NA Ct: NA CAT: NA PF: Deflection in loc L/defl L/# VERT(LL): 0.124 M 999 480 VERT(CL): 0.255 M 999 360 HORZ(LL): 0.066 K - HORZ(LL): 0.136 K - HORZ(TL): 0.136 K - Creep Factor: 2.0 Max TC CSI: 0.478 Max BC CSI: 0.859 Max Web CSI: 0.646	Lc

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Stub Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member

## **Plating Notes**

All plates are 3X4 except as noted.

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

## Hangers / Ties

(J) Hanger Support Required, by others

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.



### Maximum Reactions (lbs) Gravity Non-Gravity oc R+ /Rh /Rw /U /RL 1431 /-/815 /272 1541 /-/916 /26 /-Vind reactions based on MWFRS Brg Width = -Min Rea = -Brg Width = 4.0 Min Req = 1.8Bearing I is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) chords Tens.Comp. Chords Tens. Comp. 432 - 1598 335 - 1504 456 - 2067 F-G 430 - 1905 B - C C-D 467 - 2107 G - H 444 - 2124

# Maximum Bot Chord Forces Per Ply (lbs)

405 - 1682

D-E

Chords	Tens.C	Comp.	Chords	Tens. (	Comp.
R - Q	1439	- 293	O - M	1568	- 106
Q - P	1937	- 341	L-K	1691	- 153
P - O	1961	- 270	K-I	1900	- 259

434 - 2312

## Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. 0	Comp.
A - T	321 - 1394	E - O	1279	- 289
A - R	1648 - 346	0 - F	208	- 727
R-B	215 - 748	F-M	656	- 126
B-Q	584 - 145	M - L	1695	- 155
D - O	306 - 809			

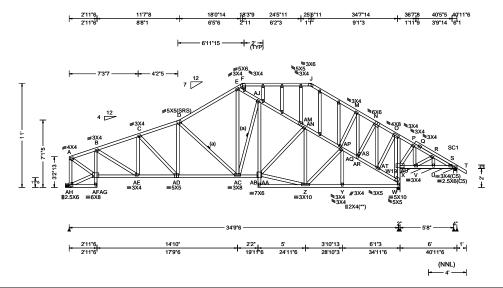
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622223 / GABL Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T27 / Qty: 1 FROM: CDM DrwNo: 132.21.1716.05943 Elliot Res Page 1 of 2 Truss Label: C14 / YK 05/12/2021



Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.101 H 999 480
	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.207 H 999 360
	BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.061 O
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.125 O
	NCBCLL: 10.00	Mean Height: 15.02 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
	Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.500
	Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.599
	Spacing: 24.0 "	C&C Dist a: 4.09 ft	Rep Fac: Yes	Max Web CSI: 0.789
		Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
		GCpi: 0.18	Plate Type(s):	
		Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11
				•

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W19 2x4 SP M-31; Stack Chord: SC1 2x4 SP #2;

# **Bracing**

(a) Continuous lateral restraint equally spaced on member

## **Plating Notes**

All plates are 2X4 except as noted.

(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements

## Hangers / Ties

(J) Hanger Support Required, by others

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

In lieu of structural panels use purlins to brace all sloping TC @ 24" oc; all flat TC @ 0" oc.

Wind loads based on MWFRS with additional C&C

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 11-0-0.



▲ Maximum Reactions (lbs), or \*=PLF Gravity Non-Gravity

Loc R+ /Rh /Rw /U /RL ΑН 1375 /864 /215 W /84 79 /8 /-334 /195 s 190 /10 /-/121 U /-142

Wind reactions based on MWFRS

AH Brg Width = -Min Rea = -Brg Width = 4.0 w Min Req = 1.5Brg Width = 68.0 Х Min Req = Brg Width = 4.0Min Req = 1.5Bearings W, X, & S are a rigid surface.

Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
A - B	479 - 1407	F-J	359	- 716
B - C	649 - 1968	J - M	369	- 856
C - D	679 - 1989	M - N	267	- 603
D-E	580 - 1557	O - P	623	- 185
E-F	397 - 804	P - Q	417	- 116

# Maximum Bot Chord Forces Per Ply (lbs)

rens.comp.		Choras	rens. (	∍omp.
1345	- 643	AC-AA	1304	- 423
1841	- 686	Z - Y	577	- 155
1848	- 626	Y - W	579	- 154
	1345 1841	1345 - 643 1841 - 686 1848 - 626	1345 - 643 AC-AA 1841 - 686 Z - Y	1841 -686 Z-Y 577

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A -AF	1557	- 512	AN- Z	273	-512
AF- B	267	- 747	Z -AQ	503	- 208
B -AE	582	- 184	AP- M	578	- 208
D -AC	339	- 801	AR-AT	230	- 559
E -AC	605	- 215	AS- N	745	- 215
E -AJ	369	- 771	AT- O	961	- 221
AJ-AM	345	- 699	AT-AU	326	- 1082
AA-AN	519	- 164	O - X	337	- 1335
AA-Z	945	- 311	X -AU	505	- 331
AM-AN	353	- 653			

### Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Gables Tens. Comp.

A -AH	462 - 1339	N -AT	227 - 1015

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622223 / GABL Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T27 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.05943 Page 2 of 2 Truss Label: C14 / YK 05/12/2021

> M-AS 221 - 759

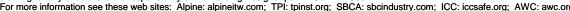


05/13/2021

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

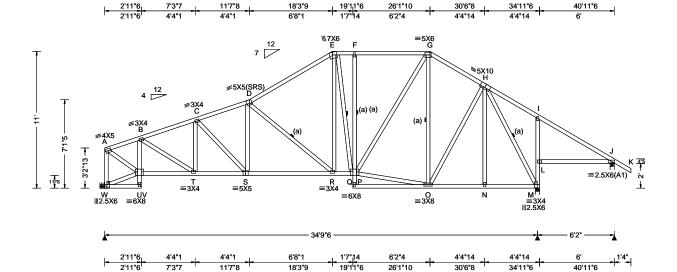
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.





SEQN: 622161 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T43 / FROM: CDM Qty: 3 Elliot Res DrwNo: 132.21.1716.03881 Truss Label: C15 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	١.
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.102 D 999 480	!
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.194 D 999 360	١,
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.059 M	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.112 M	١.
NCBCLL: 10.00	Mean Height: 15.38 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	ľ
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.615	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.672	
Spacing: 24.0 "	C&C Dist a: 4.09 ft	Rep Fac: Yes	Max Web CSI: 0.703	1
' '	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	

▲ M	▲ Maximum Reactions (lbs)						
	G	ravity		No	n-Gra	vity	
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
w	1483	/-	/-	/851	/68	/247	
М	1913	/-	/-	/915	/6	/-	
J	329	/-	/-	/270	/52	/-	
Win	d read	tions ba	sed on	MWFRS			
W	Brg W	/idth = -		Min Re	q = -		
М	Brg W	/idth = 4	.0	Min Re	q = 2.3	3	
J	Brg V	/idth = 4	.0	Min Re	q = 1.5	5	
Bearings M & J are a rigid surface.							
Members not listed have forces less than 375#							
Max	cimum	Top Ch	ord Fo	rces Per	Ply (lb	os)	
Cho	rds T	ens.Cor	np.	Chords	Tens.	Ćomp.	

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

## Bracing

(a) Continuous lateral restraint equally spaced on

# **Plating Notes**

All plates are 2X4 except as noted.

# Hangers / Ties

(J) Hanger Support Required, by others

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

# **Additional Notes**

Refer to DWG PB160160118 for piggyback details. The overall height of this truss excluding overhang is 11-0-0.



494 - 1562 - 1350 A - B E - F 599 B-C 684 - 2154 F-G 599 - 1349 C-D 724 - 2229 512 - 1151 G-H

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. Comp		
U - T	1496	- 503	R - P	1378	- 310	
T - S	2021	- 618	O - N	703	- 131	
S - R	2077	- 579	N - M	701	- 131	

# Maximum Web Forces Per Ply (lbs)

616 - 1699

D-F

Webs	rens.comp.	Webs	rens. Comp.	
A - W A - U	462 - 1446 1713 - 525	P-0 P-G	923 - 182 778 - 281	
U - B	273 - 777	O - G	192 - 460	
B - T D - R	615 - 196 360 - 926	O - H H - M	485 - 116 320 - 1621	
E-R	648 - 146	M - L	189 - 433	

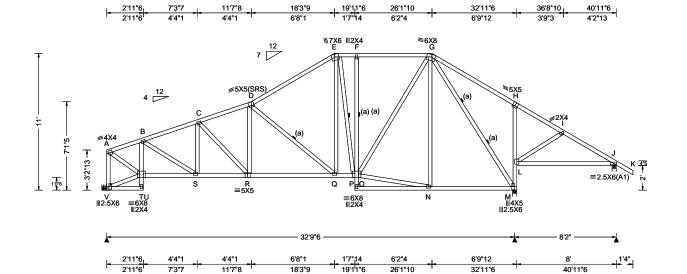
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622166 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T20 / FROM: CDM Elliot Res DrwNo: 132.21.1716.06146 Qty: 1 Truss Label: C16 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.091 R 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.174 R 999 360
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.052 M
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.100 M
NCBCLL: 10.00	Mean Height: 15.38 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.633
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.639
Spacing: 24.0 "	C&C Dist a: 4.09 ft	Rep Fac: Yes	Max Web CSI: 0.850
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL  V 1398 /- /- /804 /67 /247  M 1907 /- /- /909 /- /- J 426 /- /- /329 /60 /-  Wind reactions based on MWFRS  V Brg Width = - Min Req = - M Brg Width = 4.0 Min Req = 2.3 J Brg Width = 4.0 Min Req = 1.5  Bearings M & J are a rigid surface.  Members not listed have forces less than 375#  Maximum Top Chord Forces Per Ply (lbs)  Chords Tens. Comp.	<b>▲</b> N	▲ Maximum Reactions (IDS)							
V 1398 /- /- /804 /67 /247 M 1907 /- /- /909 /- /- J 426 /- /- /329 /60 /- Wind reactions based on MWFRS V Brg Width = - Min Req = - M Brg Width = 4.0 Min Req = 2.3 J Brg Width = 4.0 Min Req = 1.5 Bearings M & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)		Gravity Non-Gravity							
M 1907 /- /- /909 /- /- J 426 /- /- /329 /60 /- Wind reactions based on MWFRS V Brg Width = - Min Req = - M Brg Width = 4.0 Min Req = 2.3 J Brg Width = 4.0 Min Req = 1.5 Bearings M & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)	Loc	c R+	/ R-	/ Rh	/ Rw	/U	/ RL		
J 426 /- /- /329 /60 /- Wind reactions based on MWFRS  V Brg Width = - Min Req = - M Brg Width = 4.0 Min Req = 2.3 J Brg Width = 4.0 Min Req = 1.5 Bearings M & J are a rigid surface.  Members not listed have forces less than 375#  Maximum Top Chord Forces Per Ply (lbs)	٧	1398	/-	/-	/804	/67	/247		
Wind reactions based on MWFRS  V Brg Width = - Min Req = - M Brg Width = 4.0 Min Req = 2.3 J Brg Width = 4.0 Min Req = 1.5 Bearings M & J are a rigid surface.  Members not listed have forces less than 375#  Maximum Top Chord Forces Per Ply (lbs)	М	1907	/-	/-	/909	/-	/-		
V Brg Width = - Min Req = - M Brg Width = 4.0 Min Req = 2.3 J Brg Width = 4.0 Min Req = 1.5 Bearings M & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)	J	426	/-	/-	/329	/60	/-		
M Brg Width = 4.0 Min Req = 2.3 J Brg Width = 4.0 Min Req = 1.5 Bearings M & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)	Wi	nd read	tions b	ased on I	MWFRS				
J Brg Width = 4.0 Min Req = 1.5 Bearings M & J are a rigid surface.  Members not listed have forces less than 375#  Maximum Top Chord Forces Per Ply (lbs)	V	Brg V	Vidth =	-	Min Re	q = -			
Bearings M & J are a rigid surface.  Members not listed have forces less than 375#  Maximum Top Chord Forces Per Ply (lbs)	М	Brg V	Vidth =	4.0	Min Re	q = 2.3	3		
Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)	J	Brg V	Vidth =	4.0	Min Re	q = 1.5	5		
Maximum Top Chord Forces Per Ply (lbs)	Bearings M & J are a rigid surface.								
	Members not listed have forces less than 375#								
Chords Tens.Comp. Chords Tens. Comp.	Maximum Top Chord Forces Per Ply (lbs)								
·	Ch	ords T	ens.Co	omp.	Chords	Tens.	Ćomp.		

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# **Plating Notes**

All plates are 3X4 except as noted.

# Hangers / Ties

(J) Hanger Support Required, by others

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is 11-0-0.



### C-D 550 - 1175 665 - 2050

459 - 1469

632 - 2005

A - B

B - C

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	comp.	Chords	Tens. (	Comp.		
T - S	1405	- 469	Q-0	1217	- 267		
S - R	1878	- 568	N - M	717	- 110		
R - Q	1906	- 525					

E-F

561 - 1513

550 - 1176

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - V	430 - 1362	O - N	723 - 109
A - T	1609 - 486	O - G	848 - 308
T - B	254 - 726	G - M	240 - 1408
B - S	554 - 177	M - L	270 - 602
D - Q	346 - 913	L-H	259 - 415
F - O	651 - 140		

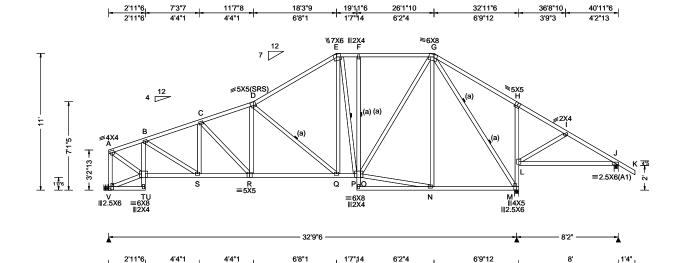
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622169 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T24 / FROM: CDM DrwNo: 132.21.1716.05162 Elliot Res Qty: 1 Truss Label: C17 / YK 05/12/2021



26'1"10

32'11"6

A - B

B - C

C-D

18'3"9

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.091 R 999 480 VERT(CL): 0.174 R 999 360	
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Risk Category: II EXP: C Kzt: NA Mean Height: 15.38 ft TCDL: 5.0 psf BCDL: 5.0 psf	Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res.	HORZ(LL): 0.052 M	
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h C&C Dist a: 4.09 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max BC CSI: 0.639 Max Web CSI: 0.850	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	

▲ M	▲ Maximum Reactions (lbs)						
	G	ravity		No	n-Grav	ity	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
V	1398	/-	/-	/804	/67	/247	
М	1908	/-	/-	/909	/-	/-	
J	426	/-	/-	/329	/60	/-	
Win	d reac	tions bas	sed on M\	WFRS			
٧	Brg W	/idth = -		Min Red	7 = -		
М	Brg W	/idth = 4.	.0	Min Red	q = 2.3		
J	Brg W	/idth = 4.	.0	Min Red	q = 1.5		
Bearings M & J are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds T	ens.Con	np. Ch	nords	Tens.	Comp.	

40'11"6

# Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

2'11"6

# **Plating Notes**

All plates are 3X4 except as noted.

# Hangers / Ties

(J) Hanger Support Required, by others

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is 11-0-0.



# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp		
T - S	1405	- 469	Q-0	1217	- 267	
S - R	1878	- 568	N - M	717	- 110	
R - Q	1906	- 525				

E-F

561 - 1513

550 - 1175

550 - 1176

# Maximum Web Forces Per Ply (lbs)

459 - 1469

632 - 2005

665 - 2050

Webs	Tens.Comp.	Webs	Tens. Comp.
A - V	430 - 1362	O - N	723 - 109
A - T	1609 - 486	O - G	848 - 308
T - B	254 - 726	G - M	240 - 1408
B - S	554 - 177	M - L	270 - 602
D-Q	346 - 913	L-H	261 - 419
F-0	651 - 140		

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

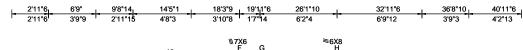
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

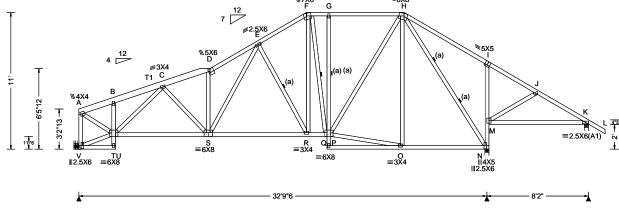
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

6750 Forum Drive Suite 305 Orlando FL, 32821

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 622279 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T26 / FROM: CDM Qty: 1 Elliot Res DrwNo: 132.21.1716.03741 Truss Label: C18 / YK 05/12/2021





18'3"9

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.098 D 999 480	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.184 D 999 360	١
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.053 N	1
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.38 ft		HORZ(TL): 0.099 N	ł
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	١
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.634	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.884	1
Spacing: 24.0 "	C&C Dist a: 4.09 ft	Rep Fac: Yes	Max Web CSI: 0.871	Ė
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		<u> </u>
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	(

7'7"3

10'6"9

▲ M	▲ Maximum Reactions (lbs)							
	G	ravity		No	on-Grav	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
ν	1427	/-	/-	/798	/233	/248		
N	1937	/-	/-	/908	/236	/-		
K	426	/-	/-	/330	/118	/-		
Win	d read	tions ba	ased on	MWFRS				
٧	Brg V	/idth = ·	-	Min Re	q = -			
N	Brg V	/idth = -	4.0	Min Re	q = 2.3	3		
K	K Brg Width = 4.0		Min Re	q = 1.5	;			
Bea	Bearings N & K are a rigid surface.							
Members not listed have forces less than 375#								
Max	cimum	Top C	hord Fo	orces Per	Ply (lb	s)		
Cho	rds T	ens.Co	mp.	Chords	Tens.	Ćomp.		

40'11"6

6'9"12

32'11"6

## Lumber

Top chord: 2x4 SP #2; T1 2x6 SP 2400f-2.0E; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

## **Bracing**

(a) Continuous lateral restraint equally spaced on

# **Plating Notes**

All plates are 2X4 except as noted.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 11-0-0.

_					
	A - B	422 - 1522	E-F	550 - 15	30
	B-C	476 - 1543	F-G	527 - 12	17
	C - D	595 - 2185	G-H	527 - 12	17
	D-F	708 - 2415			

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	ls Tens. Cor	
T - S	1948 - 531	R-P	1255	- 226
S-R	1629 - 351	O - N	736	- 97

# Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens. Comp.
A - V	393 - 1394	F-R	870 - 155
A - T	1654 - 443	P-0	741 - 96
T - C	235 - 732	P - H	890 - 279
S - D	240 - 730	H - N	214 - 1442
S - E	930 - 230	N - M	270 - 602
E - R	272 - 782	M - I	261 - 419



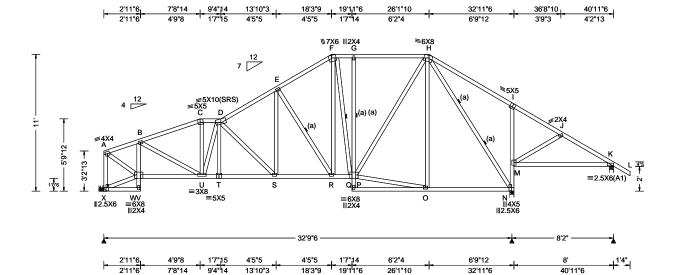
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622177 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T23 / FROM: CDM Elliot Res DrwNo: 132.21.1716.04241 Qty: 1 Truss Label: C19 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	ı
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	ı
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.093 S 999 480	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.183 S 999 360	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.050 N	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.098 N	
NCBCLL: 10.00	Mean Height: 15.38 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.634	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.612	
Spacing: 24.0 "	C&C Dist a: 4.09 ft	Rep Fac: Yes	Max Web CSI: 0.828	
' "	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	
Lumban				-

	▲ Maximum Reactions (lbs)						
		G	ravity		No	on-Grav	/ity
,	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	х	1349	/-	/-	/791	/251	/248
	N	1877	/-	/-	/911	/245	/-
	Κ	425	/-	/-	/328	/117	/-
	Wi	nd read	tions b	ased on	MWFRS		
	Х	Brg V	/idth =	-	Min Re	q = -	
	Ν	Brg V	/idth =	4.0	Min Re	q = 2.2	
	K	Brg V	/idth =	4.0	Min Re	q = 1.5	;
	Be	arings I	<b>∖&amp;K</b> a	are a rigio	d surface.		
	Members not listed have			ed have t	forces less	s than 3	375#
_	Ma	ximum	Top (	Chord Fo	rces Per	Ply (lb:	s)
	Ch	ords T	ens.Co	omp.	Chords	Tens.	Comp.

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

## Bracing

(a) Continuous lateral restraint equally spaced on

# **Plating Notes**

All plates are 3X4 except as noted.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 11-0-0.



# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
V - U	1357	- 445	S-R	1555	- 372	
U - T	2037	- 557	R-P	1151	- 235	
T - S	2037	- 558	O - N	697	- 100	

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - X	419 - 1313	E-R	269 - 778
A - V	1555 - 487	F-R	639 - 178
V - B	271 - 705	P-0	704 - 99
B - U	536 - 182	P - H	808 - 286
C - U	396 - 86	H - N	222 - 1372
U - D	238 - 639	N - M	270 - 602
D - S	269 - 670	M - I	261 - 419
C =	EOC 1/E		



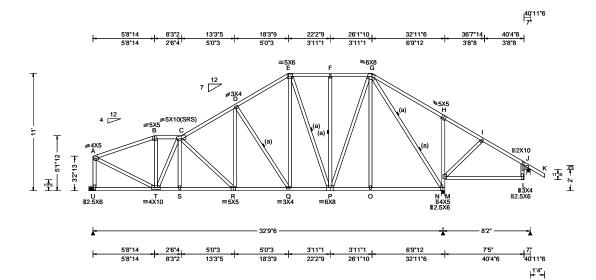
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622183 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T28 / Qty: 1 FROM: CDM DrwNo: 132.21.1716.04318 Elliot Res Truss Label: C20 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.095 R 999 480	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.176 R 999 360	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.031 N	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.058 N	
NCBCLL: 10.00	Mean Height: 15.38 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.708	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.642	
Spacing: 24.0 "	C&C Dist a: 4.09 ft	Rep Fac: Yes	Max Web CSI: 0.992	
' "	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	
Lumber	•	•	•	_

▲ Maximum Reactions (lbs)							
	G	ravity		Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
υ	1459	/-	/-	/782	/240	/249	
N	2121	/-	/-	/952	/297	/-	
J	325	/-	/-	/278	/81	/-	
Wind reactions based on MWFRS							
U	Brg V	/idth = ·	-	Min Re	q = -		
N	Brg V	/idth = -	4.0	Min Re	q = 2.5	;	
J	Brg V	/idth = -	4.0	Min Re	q = 1.5	;	
Bearings N & J are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds T	ens.Co	mp.	Chords	Tens.	Comp.	

### 548 - 1477 A - B 461 - 1642 B - C 471 - 1516 E-F 493 - 1063 C-D 493 - 1063 574 - 1930 F-G

(a) Continuous lateral restraint equally spaced on member

## **Plating Notes**

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Rt Bearing Leg: 2x4 SP #3;

All plates are 2X4 except as noted.

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

## Wind

Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

## **Additional Notes**

The overall height of this truss excluding overhang is 11-0-0.



# т

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (	Comp.
Γ-S	1928 -	446	Q-P	1200	- 190
S - R	1927 -	447	P - O	804	- 85
₹ - Q	1594 -	307	O - N	799	- 86

# Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	webs	rens. Comp.		
A - U	420 - 1407	E-Q	813	- 167	
A - T	1668 - 440	E - P	87	- 420	
T - C	264 - 936	P-G	772	- 267	
C - R	216 - 450	G - N	232	- 1643	
R - D	502 - 98	N - M	284	- 625	
D - Q	255 - 735	M - H	260	- 429	

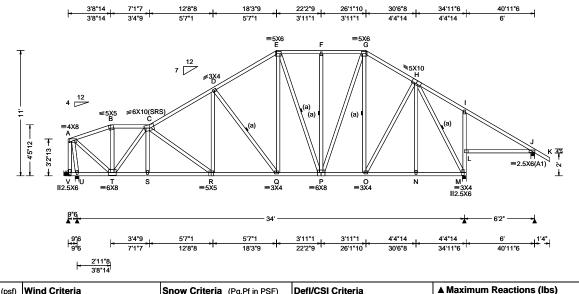
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622186 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T32 / FROM: CDM Elliot Res DrwNo: 132.21.1716.04413 Qty: 1 Truss Label: C21 / YK 05/12/2021



Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.095 R 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.174 R 999 360
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.036 M
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.066 M
NCBCLL: 10.00	Mean Height: 15.38 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.393
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.620
Spacing: 24.0 "		Rep Fac: Yes	Max Web CSI: 0.769
'	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

Lumber
--------

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2: Webs: 2x4 SP #3:

## **Bracing**

(a) Continuous lateral restraint equally spaced on

# **Plating Notes**

All plates are 2X4 except as noted.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.

# **Additional Notes**

Negative reaction(s) of -320# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 11-0-0.

### Gravity Non-Gravity Loc R+ /Rh /Rw / U

٧ /-320 /261 /249 1907 /-/1106 /286 /-U 1988 /-/904 /247 М 331 /-/271 /98

/RL

Wind reactions based on MWFRS

Brg Width = -Min Req = -Brg Width = 4.0 U Min Req = 1.9Brg Width = 4.0 Min Req = 2.3 М Brg Width = 4.0Min Req = 1.5

Bearings U, M, & J are a rigid surface. Members not listed have forces less than 375#

### Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords

A - B	341 - 1075	E-F	551	- 1209
B - C	347 - 993	F-G	551	- 1209
C - D	612 - 2043	G-H	520	- 1225
D-E	596 - 1602			

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp	. Chords	Tens. (	Comp.
U - T	198 - 45		1300	- 207
T - S	1908 - 46	0 P-O	994	- 144
S - R	1906 - 46	2 O-N	748	- 113
R - Q	1686 - 33	0 N-M	746	- 113

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	ens.Comp. Webs	
A - U	499 - 1763	P-G	625 - 208
A - T	1806 - 525	O - H	520 - 78
T - C	402 - 1496	H - M	273 - 1710
D - Q	239 - 651	M - L	185 - 427
F-O	716 - 1/3		



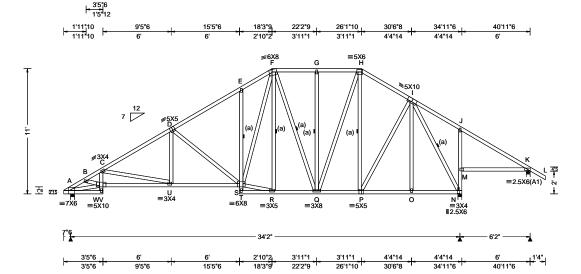
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622267 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T1 / FROM: CDM Qty: 2 DrwNo: 132.21.1716.05757 Elliot Res Truss Label: C22 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res.	PP Deflection in loc L/defl L/# VERT(LL): 0.124 E 999 480 VERT(CL): 0.235 E 999 360 HORZ(LL): 0.067 N HORZ(TL): 0.127 N - Creep Factor: 2.0 Max TC CSI: 0.467	
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.09 ft Loc. from endwall: not in 6.50 ft GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max BC CSI: 0.850 Max Web CSI: 0.735 VIEW Ver: 20.01.01A.0724.11	

▲ Maximum Reactions (lbs)							
	G	ravity		No	on-Grav	/ity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Α	1507	/-	/-	/871	/251	/309	
N	1979	/-	/-	/903	/250	/-	
K	326	/-	/-	/268	/95	/-	
Win	d read	tions ba	sed on I	MWFRS			
Α	Brg W	/idth = 4	.0	Min Re	q = 1.5	;	
N	Brg V	/idth = 4	.0	Min Re	q = 2.3		
K	Brg V	/idth = 4	.0	Min Re	q = 1.5	;	
Bearings A, N, & K are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
Cho	ords T	ens.Cor	np.	Chords	Tens.	Comp.	

F-G

- 1856

690

526 - 1180

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

## Bracing

(a) Continuous lateral restraint equally spaced on

# **Plating Notes**

All plates are 2X4 except as noted.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

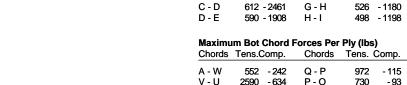
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 11-0-0.



A - B

B - C

594 - 2561

690 - 2856

A - W V - U		- 242 - 634	Q - P P - O	972 730	- 115 - 93		
U - S R - Q	2039 1249	- 425 - 178	O - N	728	- 94		
Maximum Web Forces Per Ply (lbs)							

Webs	Tens.C	comp.	Webs	Tens.	Comp.
A - V	1748	- 426	S-R	1263	- 169
B - V	615	- 150	Q-H	605	- 181
C - U	217	- 556	P-I	510	-62
D-S	201	- 612	I - N	246	- 1695
S - F	1152	- 325	N - M	181	- 433



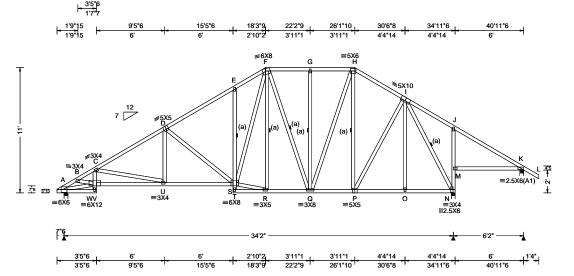
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622271 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T31 / FROM: CDM Qty: 1 DrwNo: 132.21.1716.05866 Elliot Res Truss Label: C23 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.124 E 999 480	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.234 E 999 360	1
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.066 N	١
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.126 N	۱
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	١,
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.468	ľ
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.848	ľ
Spacing: 24.0 "	C&C Dist a: 4.09 ft	Rep Fac: Yes	Max Web CSI: 0.735	Ė
	Loc. from endwall: not in 6.50 ft	FT/RT:20(0)/10(0)		l -
	GCpi: 0.18	Plate Type(s):		N
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	(
Lumber				

### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1507 /871 /251 /309 Ν 1979 /-/-/903 /250 /-326 /268 /95 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 Brg Width = 4.0Min Req = 2.3 Brg Width = 4.0Min Req = 1.5Bearings A, N, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

### A - B E-F - 1856 578 - 2491 690 692 - 2867 F-G 526 612 - 2461 G-H 590 - 1908 498 H - I

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

# **Plating Notes**

All plates are 2X4 except as noted.

**Bracing** 

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

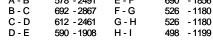
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 11-0-0.



Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	Comp.	Chords	Tens.	Comp.		
A - W	541	- 242	Q-P	972	- 115		
V - U	2590	- 634	P - O	730	- 93		
11 6	2030	125	O - N	728	- 0/		

1249 - 178

1152 - 325

R-Q

S - F

### Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 1673 - 409 1263 - 169 B-V 686 - 165 Q-H 605 - 181 P - I C - U 217 - 555 510 -62 I - N D - S 246 202 -612 - 1695

N - M



\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

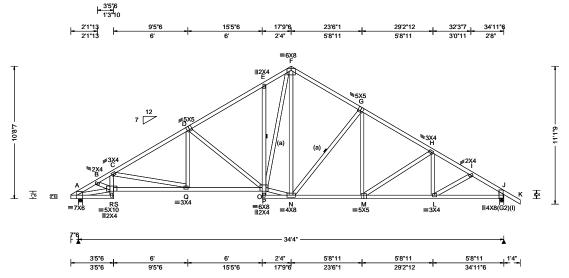
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org



181

-433

SEQN: 622252 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T39 / FROM: CDM Qty: 2 DrwNo: 132.21.1716.03818 Elliot Res Truss Label: C24 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	T
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.49 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code:	Defi/CSI Criteria	
Lumban		INNVE		J

L	u	m	ıb	е	r

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Rt Stub Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member.

## **Plating Notes**

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria				
Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.			
Pf: NA Ce: NA	VERT(LL): 0.135 E 999 480	L			
Lu: NA Cs: NA	VERT(CL): 0.270 E 999 360	Α			
Snow Duration: NA	HORZ(LL): 0.074 L	J			
	HORZ(TL): 0.148 L	٧			
Building Code:	Creep Factor: 2.0	P			
FBC 7th Ed. 2020 Res.	Max TC CSI: 0.517	J			
TPI Std: 2014	Max BC CSI: 0.835	E			
Rep Fac: Yes	Max Web CSI: 0.722	١			
FT/RT:20(0)/10(0)		N			
Plate Type(s):		2			

	▲ Maxir	num Rea	ctions	(lbs)			
		Gravity		N	on-Grav	vity .	
)	Loc R	- /R-	/ Rh	/ Rw	/ U	/ RL	
)	A 147	8 /-	/-	/842	/244	/295	
	J 157	4 /-	/-	/900	/257	/-	
	Wind re	actions b	ased on	MWFRS			
	A Bro	Width =	4.0	Min Reg = 1.5			
	J Bro	Width =	4.0	Min Reg = 1.9			
				d surface.	•		
	_		_	forces les	s than 3	375#	
				orces Per		-	
				Chords		•	
_	A - B	457	2588	F G	421	- 1537	
	B-C	-		G-H	429		
	C-D	-	2402	H-I	426		
		-	-				
	D-E	430 -	1848	l - J	427	- 2322	

# Maximum Bot Chord Forces Per Plv (lbs)

518 - 1773

Chords	Tens.Comp.		Chords	Tens. Comp		
A - S	577	- 252	N - M	1658	- 146	
R - Q	2539	- 419	M - L	1934	- 257	
Q - O	1988	- 228	L-J	1886	- 290	

# Maximum Web Forces Per Ply (lbs)

ebs Tens.Comp.		Webs	Tens. Comp.	
1794	- 279	0 - F	1153	- 259
531	- 103	O - N	1292	- 1
199	- 555	N - G	216	- 664
200	- 614	G - M	387	- 18
	1794 531 199	Tens.Comp. 1794 - 279 531 - 103 199 - 555 200 - 614	1794 - 279 O - F 531 - 103 O - N 199 - 555 N - G	1794 - 279 O - F 1153 531 - 103 O - N 1292 199 - 555 N - G 216



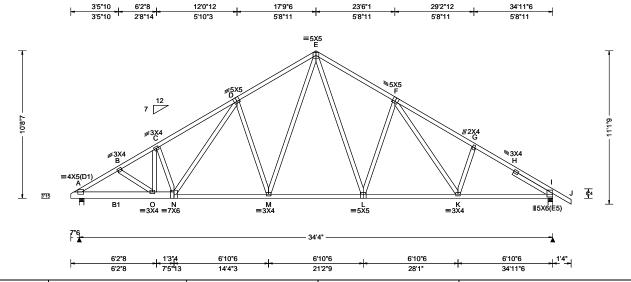
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622259 / COMN Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T49 / FROM: CDM Elliot Res DrwNo: 132.21.1716.04006 Qty: 1 Truss Label: C25 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.127 M 999 480
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.233 M 999 360
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.048 K
Dec  d   10 00	EXP: C Kzt: NA		HORZ(TL): 0.089 K
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.463
I	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.918
Spacing: 24.0 "	C&C Dist a: 3.43 ft	Rep Fac: Yes	Max Web CSI: 0.588
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

## Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B1 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

Rt Slider: 2x4 SP #3; block length = 3.267

# Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

# Wind

Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

# **Additional Notes**

The overall height of this truss excluding overhang is 10-8-7.

	▲ Maximum Reactions (lbs)								
	Gravity				Non-Gravity				
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
0	Α	1679	/-	/-	/863	/224	/292		
	1	1722	/-	/-	/906	/258	/-		
	Wind reactions based on MWFRS								
	Α	Brg V	Vidth =	4.0	Min Re	eq = 1.5	;		
	1	Brg V	Vidth =	4.0	Min Re	q = 2.0	)		
	Bea	rings	A & I aı	e a rigi	d surface.				
	Men	nbers	not list	ed have	forces les	s than 3	375#		
	Max	imun	n Top (	Chord F	orces Per	Ply (lb	s)		
	Cho	rds ¯	Tens.Co	omp.	Chords	Tens.	Comp.		
_	A - E	2	644 -	2508	E-F	673	- 2063		
	B-0	_		2514		726	- 2541		
	C - I	5	722 -	-	G-H	642	- 2582		

676 - 2068

Tens.Comp.		omp. Chords		Tens. Comp.		
2164	- 467	M - L	1435	-87		
2174	- 419	L-K	1873	- 268		
1882	- 272	K - I	2199	- 435		
	2164 2174	2164 - 467 2174 - 419 1882 - 272	2164 - 467 M - L 2174 - 419 L - K	2164 - 467 M - L 1435 2174 - 419 L - K 1873		

639 - 2673

# Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
N - D	470 - 165	E-L	851 - 250	
D - M	330 - 551	L-F	321 - 535	
M - E	861 - 254	F-K	453 - 170	



05/13/2021

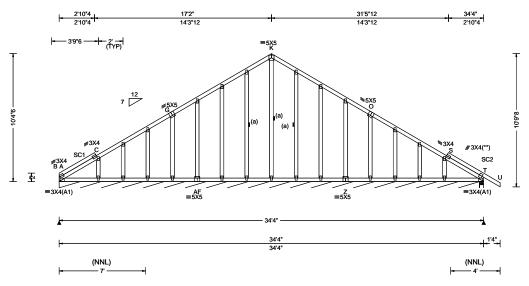
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622262 / GABL Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T38 / FROM: CDM DrwNo: 132.21.1716.05271 Qty: 1 Elliot Res Truss Label: C26 / YK 05/12/2021



#### ▲ Maximum Reactions (lbs), or \*=PLF Gravity Non-Gravity /Rw /U Loc R+ /Rh /RL В\* 79 /47 /-/169 /4 /-257 /-103 Wind reactions based on MWFRS Brg Width = 408 Min Rea = В Brg Width = 4.0 Min Req = 1.5 Bearings B & T are a rigid surface. Members not listed have forces less than 375#

### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2;

Stack Chord: SC2 2x4 SP #2;

### **Bracing**

(a) Continuous lateral restraint equally spaced on member.

### **Plating Notes**

All plates are 2X4 except as noted.

(\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

### **Additional Notes**

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

The overall height of this truss excluding overhang is 10-4-6.



\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 622208 / HIP\_ Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T16 / FROM: CDM DrwNo: 132.21.1716.04443 Qty: 2 Elliot Res Truss Label: HJ01 / YK 05/12/2021 5'6"7 9'10"13 5'6"7 4'4"5 D 2.83 **≡3X4** C В 3"12 G ∥2X4 FΕ **≡**3X4  $\equiv$ 2X4(A1) 4'0"13 5'6"7 <del>-----</del> 1'10"10 <del>-----</del> 5'6"7 9'7"5 ▲ Maximum Reactions (lbs) Gravity Non-Gravity

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.035 G 999 480	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.069 G 999 360	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 F	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.015 F	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.486	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.674	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.384	
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	
Lumber	•		•	-

#### Loc R+ /Rh /Rw /U /RL Н 356 /142 /-Е 346 /-/-/59 /-68 /20 /-Wind reactions based on MWFRS Brg Width = 5.7 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Rea = -Bearing H is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

233 - 979

952 - 214

Tens.Comp.

228 - 984

Maximum Web Forces Per Ply (lbs)

Chords Tens.Comp.

Maximum Bot Chord Forces Per Ply (lbs)

G-F

Chords Tens. Comp.

931

- 216

B - C

B - G

Webs

C-F

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

### **Special Loads**

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From -0 plf at -1.89 to 61 plf at 2 plf at 0.00 TC: From 2 plf at 0 plf at 0.00 to 9.90 BC: From -1.89 to 4 plf at 0.00 2 plf at 0.00 to BC: From 2 plf at -22 lb Conc. Load at 1.48 127 lb Conc. Load at 4.31 251 lb Conc. Load at 7.13 9 lb Conc. Load at 1.48 TC: TC: BC: 97 lb Conc. Load at 4.31 176 lb Conc. Load at 7.13

Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is 2-7-12



05/13/2021

\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

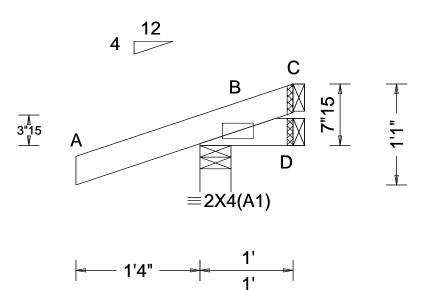
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 622200 / JACK Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T14 / FROM: CDM DrwNo: 132.21.1716.03756 Qty: 4 Elliot Res Truss Label: J01 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (II	bs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D HORZ(TL): 0.000 D Creep Factor: 2.0 Max TC CSI: 0.223 Max BC CSI: 0.028 Max Web CSI: 0.000  VIEW Ver: 20.01.01A.0724.11	Gravity  Loc R+ /R- /Rh  B 217 /- /- D 4 /-13 /- C - /-36 /- Wind reactions based on M B Brg Width = 4.0 D Brg Width = 1.5 C Brg Width = 1.5 Bearing B is a rigid surface Members not listed have for	Non-Gravity / Rw / U / RL  /161 /79 /25 /16 /13 /- /28 /32 /-  MWFRS  Min Req = 1.5 Min Req = - Min Req = - e.

### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is



\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

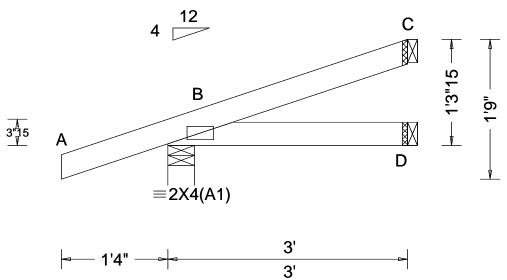
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 622202 / JACK Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T13 / FROM: CDM DrwNo: 132.21.1716.05022 Qty: 4 Elliot Res Truss Label: J02 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.001 D
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.223
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.069
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11
Lumber			

▲ Maximum Reactions (Ibs) Gravity Non-Gra Loc R+ /R- /Rh /Rw /U	vity / RL /48				
	//0				
B 240 /- /- /166 /51	/40				
D 48 /- /- /27 /-	/-				
C 63 /- /- /33 /28	/-				
Wind reactions based on MWFRS					
B Brg Width = 4.0 Min Req = 1.	5				
D Brg Width = 1.5 Min Req = -					
C Brg Width = 1.5 Min Req = -					
Bearing B is a rigid surface.					
Members not listed have forces less than 375#					

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is 1-3-15.



05/13/2021

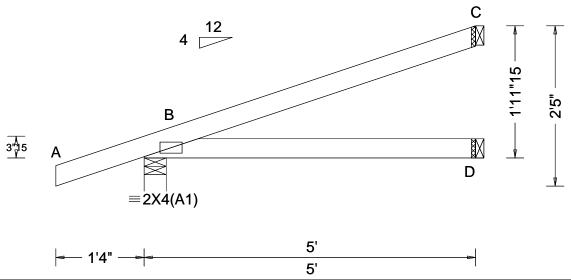
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

6750 Forum Drive Suite 305 Orlando FL, 32821

SEQN: 622204 / JACK Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T12 / FROM: CDM Qty: 4 Elliot Res DrwNo: 132.21.1716.05724 Truss Label: J03 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 D HORZ(TL): 0.009 D Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.241 Max Web CSI: 0.000	L B C C B C C B M
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11	
Lumber				-

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity oc R+ /Rh /Rw /U /RL В 310 /-/208 /71 88 /-/48 125 /69 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is



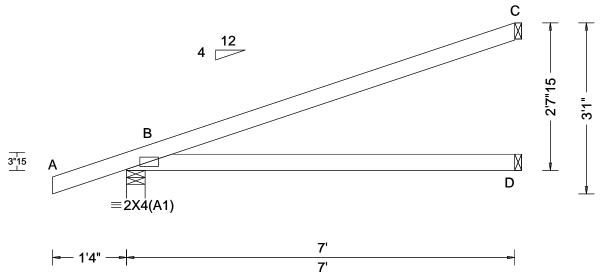
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622206 / **EJAC** Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T15 / FROM: CDM DrwNo: 132.21.1716.04099 Qty: 22 Elliot Res Truss Label: J04 / YK 05/12/2021



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): NA	
BCLL: 0.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA	VERT(CL): NA	
BCDL: 10.00 Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Snow Duration: NA	HORZ(LL): 0.015 D HORZ(TL): 0.030 D	
NCBCLL: 10.00 Soffit: 2.00	TCDL: 5.0 psf	Building Code: FBC 7th Ed. 2020 Res.	Creep Factor: 2.0 Max TC CSI: 0.687	
Load Duration: 1.25	BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h	TPI Std: 2014 Rep Fac: Yes	Max BC CSI: 0.498 Max Web CSI: 0.000	
Spacing: 24.0 " C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60		FT/RT:20(0)/10(0)	Wax Web Col. 0.000	
		Plate Type(s): WAVE	VIEW Ver: 20.01.01A.0724.11	
Lumber		•		

#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 387 /256 /95 D 127 /-/-/71 183 /102 Wind reactions based on MWFRS Brg Width = 4.0 Min Req = 1.5 Brg Width = 1.5 Min Req = -Brg Width = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is



\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

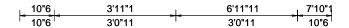
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

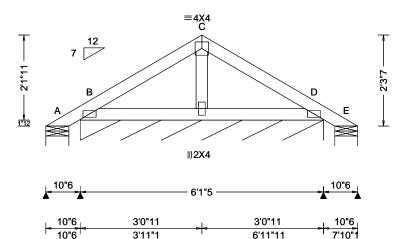
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 622163 / GABL Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T17 / FROM: CDM Qty: 9 Elliot Res DrwNo: 132.21.1716.06162 Truss Label: PB01 / YK 05/12/2021





TCDL: 10.00   Speed: 130 mph   Pf: NA   Ce: NA   VERT(LL): 0.001 F   999 4   VERT(CL): 0.001 F   999 3   VERT(CL): 0.001 F   999 4   VERT(CL): 0.001 F   999 4   VERT(CL): 0.001 F   999 3   VERT(CL): 0.001 F   999 4   VERT(CL): 0.001 F   999 3   VERT(CL): 0.001 F   999 4   VERT(CL): 0.001 F   999 3   VERT(CL): 0.001 F   999 4   VERT(CL): 0.001 F   PORT(CL): 0.0					
TCDL: 10.00	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.53 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes	PP Deflection in loc L/defl L/# VERT(LL): 0.001 F 999 480 VERT(CL): 0.001 F 999 360 HORZ(LL): 0.000 F HORZ(TL): 0.001 F Creep Factor: 2.0 Max TC CSI: 0.092 Max BC CSI: 0.045	
GCpi: 0.18   Plate Type(s):		GCpi: 0.18	Plate Type(s):		┨.
	Spacing: 24.0 "		· •	Max Web CSI: 0.018	E

▲ M	axim	um Rea	ctions (I	bs), or *=	:PLF	
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-22	/-	/42	/47	/58
В*	87	/-	/-	/60	/12	/-
Е	-	/-22	/-	/12	/17	/-
Wind reactions based on MWFRS						
A Brg Width = 6.9 Min Reg = 1.5						
В	Brg V	Vidth =	73.3	Min Re	q = -	
Е	Brg V	Vidth =	6.9	Min Re	q = 1.5	5
Bearings A, B, & E are a rigid surface.						
Mer	nbers	not liste	ed have f	orces les	s than	375#
Mer	nbers	not liste	ed have f	orces les	s than	375#

### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

### **Plating Notes**

All plates are 2X4(A1) except as noted.

### Loading

Gable end supports 8" max rake overhang. Top chord must not be cut or notched.

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

### **Additional Notes**

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 13-3-7



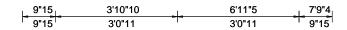
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

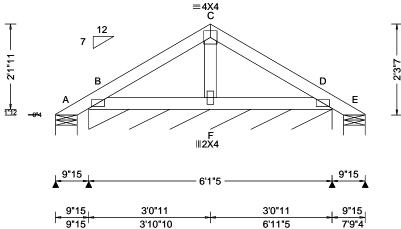
\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 622281 / SPEC Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T29 / FROM: CDM DrwNo: 132.21.1716.04490 Qty: 4 Elliot Res Truss Label: PB02 / YK 05/12/2021





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
Loading Criteria (psf)	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.25 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 F 999 480 VERT(CL): 0.001 F 999 360 HORZ(LL): 0.001 F HORZ(TL): 0.001 F Creep Factor: 2.0 Max TC CSI: 0.093 Max BC CSI: 0.045 Max Web CSI: 0.018	
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 20.01.01A.0724.11	- "

▲ N	laxim	um Rea	ctions (I	bs), or *=	:PLF	
	G	avity	-	No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-24	/-	/42	/53	/59
В*	87	/-	/-	/57	/40	/-
Е	-	/-24	/-	/18	/23	/-
Wir	nd read	ctions ba	ased on I	MWFRS		
A Brg Width = 6.5 Min Req = 1.5						
В	Brg V	Vidth =	73.3	Min Re	q = -	
Е	Brg V	Vidth =	6.5	Min Re	q = 1.5	5
Bearings A, B, & E are a rigid surface.						
Mei	mbers	not liste	ed have f	orces less	s than :	375#
	Loc A B* E Wir A B E Bea	A - B* 87 E - Wind read A Brg V B Brg V E Brg V Bearings	Cravity   Color   Color	Gravity Loc R+ /R- /Rh  A - /-24 /- B* 87 /- /- E - /-24 /- Wind reactions based on A Brg Width = 6.5 B Brg Width = 73.3 E Brg Width = 6.5 Bearings A, B, & E are a reader.	Gravity	Loc R+ / R- / Rh / Rw / U  A - /-24 /- /57 /40  E - /-24 /- /18 /23  Wind reactions based on MWFRS  A Brg Width = 6.5 Min Req = 1.5  B Brg Width = 73.3 Min Req = -  E Brg Width = 6.5 Min Req = 1.5

### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

### **Plating Notes**

All plates are 2X4(A1) except as noted.

### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

### **Additional Notes**

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2-3-7.



05/13/2021

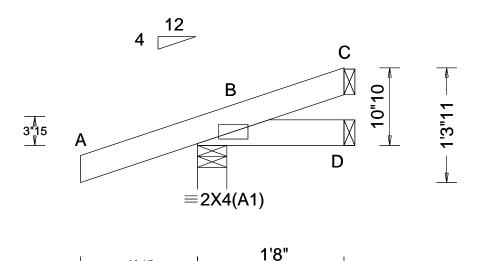
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.



SEQN: 623124 / MONO Ply: 1 Job Number: 21-5422 Cust: R 215 JRef: 1X5c2150008 T10 FROM: CDM DrwNo: 132.21.1716.06319 Qty: 6 Elliot Res Truss Label: T10 / WHK 05/12/2021



1'8"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 D
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.223
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.037
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.01A.0724.11

**- 1'4"** -

	G	ravity		No	on-Gra	vity	
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	208	/-	/-	/149	/62	/32	
D	208 20	/-	/-	/15	/5	/-	
С	12	/-	/-	/15	/11	/-	
Wii	nd read	ctions b	ased on I	MWFRS			
В	Brg V	Vidth =	4.0	Min Re	q = 1.5	5	
D	Brg V	Vidth =	1.5	Min Re	q = -		
С	Brg V	Vidth =	1.5	Min Re	q = -		
Bearing B is a rigid surface.							
Me	mbers	not list	ed have f	orces les	s than	375#	

### Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

### **Additional Notes**

The overall height of this truss excluding overhang is 0-10-10.



\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcindustry.com; ICC: iccsafe.org; AWC: awc.org

## Gable Stud Reinforcement Detail

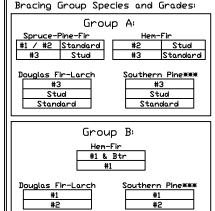
ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Dr: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

		2×4	Brace	N-	(1) 1×4 "L	Brace *	(1) 2×4 *L		(2) 2×4 *L		(1) 2×6 *L	" Brace *	(2) 2×6 *L	* Brace **	•
	Gable Spacing	Vertica Species	Grade	No Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	
다 구		CDE	#1 / #2	4′ 3″	7′ 3″	7′ 7″	8′ 7 <b>″</b>	8′ 11 <b>″</b>	10′ 3″	10′ 8 <b>″</b>	13′ 6″	14' 0"	14′ 0″	14′ 0″	ĺ
	.:	SPF	#3	4′ 1″	6′ 7″	7′ 1″	8′ 6 <b>″</b>	8′ 10 <b>″</b>	10′ 1″	10′ 6″	13′ 4″	13′ 10 <b>″</b>	14′ 0″	14′ 0″	
D	l G	HF	Stud	4′ 1″	6′ 7″	7′ 0 <b>″</b>	8′ 6 <b>″</b>	8′ 10 <b>″</b>	10′ 1″	10′ 6″	13′ 4″	13′ 10 <b>″</b>	14′ 0″	14′ 0 <b>″</b>	
<u>C</u>			Standard	4′ 1″	5′ 8 <b>″</b>	6′ 0 <b>″</b>	7' 7"	8′ 1 <b>″</b>	10′ 1″	10′ 6″	11′ 10″	12′ 8 <b>″</b>	14′ 0″	14′ 0″	1
به		0.0	#1	4′ 6″	7′ 4″	7′ 8 <b>″</b>	8′ 8 <b>″</b>	9′ 0″	10′ 4″	10′ 9 <b>″</b>	13′ 8″	14′ 0″	14′ 0″	14′ 0″	1
$\sqcup$		SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 <b>″</b>	8′ 11 <b>″</b>	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	1
	4		#3	4′ 2″	6′ 0 <b>″</b>	6′ 4″	7′ 11″	8′ 6 <b>″</b>	10′ 2″	10′ 7″	12′ 5 <b>″</b>	13′ 4″	14′ 0″	14′ 0″	
	N	IDFL	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 <b>″</b>	10′ 2″	10′ 7″	12′ 5″	13′ 4″	14′ 0″	14′ 0″	
ĕ			Standard	4′ 0″	5′ 3″	5′ 7 <b>″</b>	7′ 0 <b>″</b>	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″	
II . 🖰		CDE	#1 / #2	4′ 11″	8′ 4″	8′ 8 <b>″</b>	9′ 10″	10′ 3 <b>″</b>	11′ 8″	12′ 2 <b>′</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
+>	-	SPF	#3	4′ 8 <b>″</b>	8′ 1″	8′ 8 <b>″</b>	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	U	HF	Stud	4′ 8 <b>″</b>	8′ 1 <b>″</b>	8′ 6 <b>″</b>	9′ 8 <b>″</b>	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
Πà	lō	1 11	Standard	4′ 8″	6′ 11″	7′ 5 <b>′</b>	9′ 3 <b>″</b>	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
$\mathbb{N}^{\mathbb{Z}}$			#1	5′ 1 <b>″</b>	8′ 5 <b>″</b>	8′ 9 <b>″</b>	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
/		SP	#2	4′ 11″	8′ 4″	8′ 8 <b>″</b>	9′ 10″	10′ 3″	11′ 8″	12′ 2 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	Ý.	l	#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
llω	<del>  [</del>	IDFL	Stud	4′ 9″	7′ 4″	7′ 9 <b>″</b>	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
IJ <del>궃</del>			Standard	4′ 8″	6′ 5″	6′ 10 <b>″</b>	8′ 7 <b>″</b>	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	1
		SPF	#1 / #2	5′ 5 <b>″</b>	9′ 2″	9′ 6″	10′ 10 <b>″</b>	11′ 3″	11′ 8″	13′ 5 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
	l . <del>.</del>	2LL	#3	5′ 1 <b>′</b>	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
0	Ų	HF	Stud	5′ 1 <b>′</b>	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	Ιō	1 11	Standard	5′ 1 <b>″</b>	8′ 0 <b>″</b>	8′ 6″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
$   \times  $			#1	5′ 8 <b>″</b>	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
		SP	#2	5′ 5 <b>″</b>	9′ 2″	9′ 6″	10′ 10 <b>″</b>	11′ 3″	12′ 11″	13′ 5 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
MΩ	ìù	L.	#3	5′ 3 <b>″</b>	8′ 5 <b>″</b>	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	
	1,	IDFL	Stud	5′ 3 <b>″</b>	8′ 5 <b>″</b>	9′ 0″	10′ 9″	11′ 2″	12′ 10 <b>″</b>	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	1
			Standard	5′ 1 <b>″</b>	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″	



1x4 Braces shall be SRB (Stress-Rated Board) \*\*For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards, Group B values may be used with these grades.

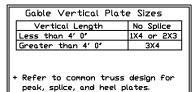
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

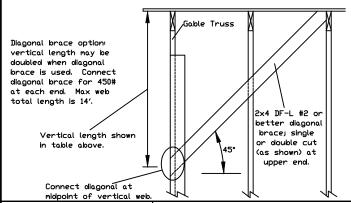
Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

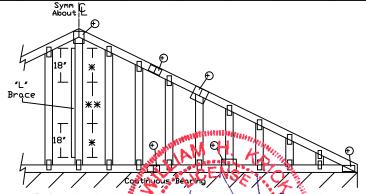
Attach "L" braces with 10d (0.128"x3.0" min) nails. \* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩¥For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.



Refer to the Building Designer for conditions not addressed by this detail.





Refer to chart shove for max gable ventical length. \*\*\*VARNINGI\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAVINGI
\*\*\*\*IMPORTANT\*\*\* FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing since in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and botton chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to early a formation of the shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to early a shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to early a shall have bracing installed per BCSI sections. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of TTV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

ASCE7-10-GAB14015 DATE 10/01/14 DRWG A14015ENC101014

MAX, TOT, LD, 60 PSF

MAX. SPACING 24.0"

## Gable Stud Reinforcement Detail

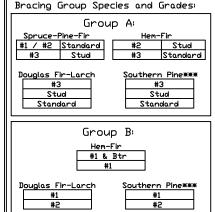
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D. Kzt = 1.00

		 ⊇x4				* 5	· · · · ·		I				1	
		2x4 Vertica	Brace	No	(1) 1×4 *L	RLOCE *	(1) 2×4 L	." Brace *	(2) 2×4 L	" Brace **	(1) 5x6 L	" Brace *	(5) 5×6 L	Brace **
_	Spacing	Species	Grade	-	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
†		CDL	#1 / #2	4′ 3″	7′ 3″	7′ 7″	8′ 7 <b>″</b>	8′ 11 <b>″</b>	10′ 3″	10′ 8″	13′ 6 <b>″</b>	14' 0"	14' 0"	14′ 0″
	1.7	SPF	#3	4′ 1″	6′ 7 <b>″</b>	7′ 1″	8′ 6 <b>″</b>	8′ 10 <b>″</b>	10′ 1″	10′ 6 <b>″</b>	13′ 4″	13′ 10 <b>″</b>	14′ 0″	14′ 0″
<u>ا</u> ق	Ų	HF	Stud	4′ 1 <b>″</b>	6′ 7 <b>″</b>	7′ 0 <b>″</b>	8′ 6 <b>″</b>	8′ 10 <b>″</b>	10′ 1″	10′ 6″	13′ 4″	13′ 10 <b>″</b>	14′ 0″	14′ 0 <b>″</b>
Č	0	1 11	Standard	4′ 1″	5′ 8 <b>″</b>	6′ 0 <b>″</b>	7′ 7″	8′ 1 <b>″</b>	10′ 1″	10′ 6″	11′ 10″	12′ 8″	14′ 0″	14′ 0″
ا به ا			#1	4′ 6″	7′ 4″	7′ 8 <b>″</b>	8′ 8 <b>″</b>	9′ 0″	10′ 4″	10′ 9″	13′ 8″	14′ 0″	14′ 0″	14′ 0″
	*	SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 <b>″</b>	8′ 11 <b>″</b>	10′ 3″	10′ 8″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
	4	L	#3	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6 <b>″</b>	10′ 2″	10′ 7″	12′ 5 <b>′</b>	13′ 4″	14′ 0″	14′ 0″
	N	IDFL	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11 <b>″</b>	8′ 6 <b>″</b>	10′ 2″	10′ 7″	12′ 5 <b>″</b>	13′ 4″	14′ 0″	14′ 0″
			Standard	4′ 0″	5′ 3″	5′ 7 <b>″</b>	7′ 0 <b>″</b>	7′ 6″	9′ 6″	10′ 2″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
1.5		SPF	#1 / #2	4′ 11″	8′ 4″	8′ 8 <b>″</b>	9′ 10″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1	. <del>.</del>	722	#3	4′ 8″	8′ 1″	8′ 8″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	U	HF	Stud	4′ 8 <b>″</b>	8′ 1″	8′ 6 <b>″</b>	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 & 1	Ō	1 11	Standard	4′ 8 <b>″</b>	6′ 11″	7′ 5 <b>′</b>	9′ 3″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
"			#1	5′ 1 <b>″</b>	8′ 5 <b>″</b>	8′ 9 <b>″</b>	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/	*	SP	#2	4′ 11″	8′ 4″	8′ 8 <b>″</b>	9′ 10 <b>″</b>	10′ 3″	11′ 8″	12′ 2 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	9		#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1 0	16	DFL	Stud	4′ 9 <b>″</b>	7′ 4″	7′ 9 <b>″</b>	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	4′ 8″	6′ 5 <b>′</b>	6′ 10 <b>″</b>	8′ 7″	9′ 2″	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
abl		SPF	#1 / #2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	11′ 8″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
1.91		200	#3	5′ 1′	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0′	14′ 0″	14′ 0″
اقا	Ų	l HF	Stud	5′ 1 <b>′</b>	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ō	1 11	Standard	5′ 1 <b>′</b>	8′ 0″	8′ 6″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
X			#1	5′ 8″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	*	SP	#2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ĮΣ	ù	$ \nabla C $	#3	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	1,	DFL	Stud	5′ 3 <b>″</b>	8′ 5 <b>″</b>	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 1 <b>″</b>	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″



1x4 Braces shall be SRB (Stress-Rated Board) \*\*For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards, Group B values may be used with these grades.

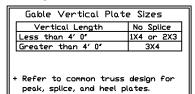
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails. \* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩¥For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.



Refer to the Building Designer for conditions not addressed by this detail.

#### Gable Truss Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'. 2×4 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Connect diagonal at midpoint of vertical web.

"L" Brace End Zones, typ. Continuous Bearing Refer to chart shove for max gable ventical length.

\*\*\*VARNINGI\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAVINGI
\*\*\*\*IMPORTANT\*\*\* FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and botton choic shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to early a formation of the shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to early a formation of the shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to early a formation of the shall have been been also because the shall have been and plate and the shall be applicable. Apply plates to early a proper to the shall have been a shall be shall be a shall be Refer to drawings 160A-Z for standard plate positions.

Alphe, a division of ITW Building Components Group Inc. shall not be responsible for any deviation for this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

ASCE7-16-GAB14015 |DATE 01/26/2018 

MAX. SPACING 24.0"

514 Earth City Expressway Suite 242

Earth City, MO 63045

MAX, TOT, LD, 60 PSF

## Gable Stud Reinforcement Detail

ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D. Kzt = 1.00

								d, 30' Meai						D .
		2x4 Yertica	Brace	No	(1) 1×4 "L	" Brace *	(1) 2×4 *L	" Brace *	(2) 2x4 <b>1</b> L	* Brace **	(1) 2×6 <b>"</b> L	." Brace *	(2) 2x6 <b>1</b> L	." Brace *:
_ ا	1	Species	Grade	Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
   			#1 / #2	4′ 1″	6′ 11 <b>″</b>	7′ 2″	8′ 2″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″
'b	l . <del>.</del> .	SPF	#3	3′ 10″	6′ 2″	6′ 7″	8′ 1″	8′ 5 <b>″</b>	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″
	ΙŲ	HF	Stud	3′ 10″	6′ 2″	6′ 6″	8′ 1″	8′ 5 <b>″</b>	9′ 8″	10′ 0″	12′ 8″	13′ 2″	14′ 0″	14′ 0″
Ž	ΙO		Standard	3′ 10″	5′ 3″	5′ 7″	7′ 0″	7′ 6″	9′ 6″	10′ 0″	11′ 0″	11′ 10″	14′ 0″	14′ 0″
ب	_		#1	4′ 2″	7′ 0″	7′ 3″	8′ 3″	8′ 7″	9′ 10″	10′ 3″	13′ 0″	13′ 6″	14′ 0″	14′ 0″
	*	SP	#2	4′ 1″	6′ 11 <b>″</b>	7′ 2″	8′ 2″	8′ 6″	9′ 9″	10′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″
	4	l	#3	4′ 0″	5′ 7 <b>″</b>	5′ 11″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″
	la	IDFL	Stud	4′ 0″	5′ 7 <b>″</b>	5′ 11″	7′ 5″	7′ 11″	9′ 8″	10′ 1″	11′ 7″	12′ 5″	14′ 0″	14′ 0″
Q			Standard	3′ 9″	4' 11"	5′ 13″	6′ 6″	7′ 0″	8′ 10 <b>″</b>	9′ 6″	10′ 3″	11′ 0″	13′ 11″	14′ 0″
$\Box$		CDL	#1 / #2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
+	-	SPF	#3	4′ 5 <b>″</b>	7′ 6″	8′ 3″	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Ċ	U	HF	Stud	4′ 5″	7′ 6″	8′ 0 <b>″</b>	9′ 3″	9′ 7″	11′ 0″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
(i)	٦	1 11	Standard	4′ 5 <b>″</b>	6′ 5 <b>″</b>	6′ 10 <b>″</b>	8′ 7″	9′ 2″	11′ 0″	11′ 6″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
Ψ.			#1	4′ 10″	8′ 0 <b>″</b>	8′ 4″	9′ 6″	9′ 10″	11′ 3″	11′ 9″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
>		ISP I	#2	4′ 8″	7′ 11″	8′ 3″	9′ 4″	9′ 9″	11′ 2″	11′ 7″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	9	l	#3	4′ 7″	6′ 10 <b>″</b>	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Û	16	IDFL I	Stud	4′ 7″	6′ 10 <b>″</b>	7′ 3″	9′ 1″	9′ 8″	11′ 1″	11′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	4′ 5″	6′ 0 <b>″</b>	6′ 5″	8′ 0″	8′ 7″	10′ 10″	11′ 6″	12′ 7″	13′ 15″	14′ 0″	14′ 0″
Ω		CDE	#1 / #2	5′ 2″	8′ 9 <b>″</b>	9′ 1″	10′ 4″	10′ 9″	11′ 2″	12′ 9 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Q	-	SPF	#3	4′ 10″	8′ 7″	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
9	U	HF	Stud	4′ 10″	8′ 7 <b>″</b>	8′ 11″	10′ 2″	10′ 7″	12′ 2″	12′ 8″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
I	l	1 11	Standard	4′ 10″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 2″	12′ 8 <b>″</b>	14′ 0″	14′ 0″	14′ 0″	14′ 0″

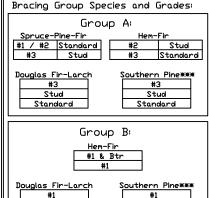
10' 5**"** 

10' 4"

10' 3"

10' 3"

9' 3"



1x4 Braces shall be SRB (Stress-Rated Board) \*\*\*For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards, Group B values may be used with these grades.

#2

Gable Truss Detail Notes: Vind Load deflection criterion is L/240.

Provide uplift connections for 100 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach "L" braces with 10d (0.128"x3.0" min) nails. ★ For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones. ₩¥For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes						
Vertical Length	No Splice					
Less than 4' 0"	2X4					
Greater than 4' 0", but less than 11' 6"	3X4					
Greater than 11' 6"	4X4					
+ Refer to common truss design for						

Refer to the Building Designer for conditions not addressed by this detail.

Gable Truss Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web total length is 14'. 2x6 DF-L #2 or better diagonal brace; single Vertical length shown or double cut in table above. (as shown) at upper end. Connect diagonal at midpoint of vertical web.

#2

#3

Stud Standard 5′ 4″

5' 2"

5′ 0**″** 

5′ 0″

4' 10"

Symm About "L" Brace End Zones, typ. Continuous Bearing

12' 11"

12' 9"

12' 8"

12' 8"

12' 8"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

Refer to chart shove for max gable ventical length.

12′ 5″

12' 3"

12′ 2″

12' 2"

12' 2"

10' 10"

10' 9"

10' 8"

10' 8"

9' 10"

\*\*\*VARNINGI\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAVINGI
\*\*\*\*IMPORTANT\*\*\* FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

9′ 2″

9' 1"

8' 4"

8' 4"

7' 4"

8' 10"

8' 9"

7′ 10″

7' 10"

6' 11"

Trusses require extreme care in fabricating, handling, shipping, installing in the installers and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and botton chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to early a shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to early a shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to early a shall have bracing installed per BCSI sections. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation for this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation 8 bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

COA#0278 05/13/2021

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

14' 0"

ASCE7-16-GAB14030 |DATE 01/26/2018 DRWG A14030ENC160118

MAX, TOT, LD, 60 PSF

MAX. SPACING 24.0"

 $\circ$ 

 $\Omega$ 

Q

SP

# CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

### Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.

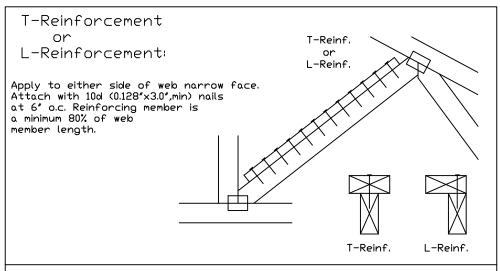
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

Use scabs instead of L- or T- reinforcement on webs with intersecting truss joints, such as K-web joints, that may interfere with proper application along the narrow face of the web.

Web Member	Specified CLR	Alternative Reir			
Size	Restraint	T- or L- Reinf.			
2x3 or 2x4	1 row	2×4	1-2×4		
2x3 or 2x4	2 rows	2×6	2-2×4		
2×6	1 row	2×4	1-2×6		
2×6	2 rows	2×6	2-2×4(*)		
2×8	1 row	2x6	1-2×8		
	2 rows	2x6	2-2×6( <del>*)</del>		

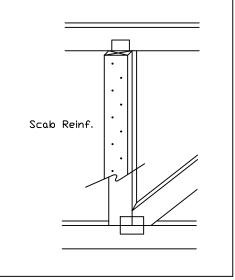
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(\*\*) Center scab on wide face of web. Apply (1) scab to each face of web.



### Scab Reinforcement:

Apply scab(s) to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nalls at 6" o.c. Reinforcing member is a minimum 80% of web member length.



MAN H. TOTAL

## 

Trusses require extreme care in fabricating, handling, shipping, installing and pracing. Refer to and follow the latest edition of BCSI (Buldling Component Safety Information, by FPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bot on choice shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation, this drawing, any fallure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

STATE OF 13/2021

∓€ LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.		]	
SPACING		]	

ALPINE AN ITW COMPANY

## NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

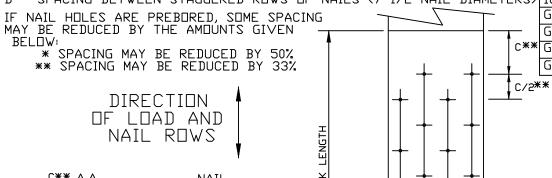
BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

### LOAD PERPENDICULAR TO GRAIN

- A EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C END DISTANCE (15 NAIL DIAMETERS)

### LOAD PARALLEL TO GRAIN

- A EDGE DISTANCE (6 NAIL DIAMETERS)
- C SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
- D SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)



NAIL NAIL LINE LINE СЖЖ B \* B/2\*  $C \times X$ 

LOAD APPLIED PERPENDICULAR TO GRAIN

BLOCK LENGTH

LOAD APPLIED PARALLEL TO GRAIN

## \*\*\*WARNING\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING \*\*\*\*IMPORTANT\*\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

TRUSS **MEMBER** 

Trusses require extreme care in fabricating, handling, shipping, installing and inclinating follow the latest edition of BCSI (Buldling Component Safety Information, by FPI and SBCA) for screety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bot on chord shall have a properly attached rigid celling. Locations shown for pernanent lateral restraint of weights shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation for this drawing, any fallure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional

engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Bullding Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

### MINIMUM NAIL SPACING DISTANCES

		DIS	TANCES		
	NAIL TYPE	Α	B*	C**	D
	8d BDX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
١ [	10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"	1"
Ī	12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
	16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
Ī	20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
	8d CDMMDN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
	10d COMMON (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
[	12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
>[	16d CDMMDN (0.162"X 3.5",MIN)	1′	2"	2 1/2"	1 1/4"
	GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
	GUN (0.131"X 2.5",MIN)	7/8″	1 5/8"	2"	1"
*[	GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"	1"
Ī	GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"	1"

REF NAIL SPACE

AND THE PROPERTY OF THE PARTY O

|DATE 10/01/14

DRWG CNNAILSP1014



## Gable Detail For Let-in Verticals Gable Truss Plate Sizes Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs. (+) Refer to Engineered truss design for peak, splice, web, and heel plates. \*If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web. Gable Example: Length typ. (\* )

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

10d Common (0.148"x 3.", min) Nails at 4" o.c. plus

(4) nails in the top and bottom chords.

10d Common (0.148"x3".min) Toenails at 4" o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

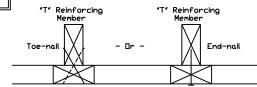
ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, \$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PED100418,

S11530ENC100118, S12030ENC100118, S14030ENC100118, \$16030[NC1001]8, \$1,000 \$18030ENC100118, \$20030ENC100118, \$20030EN0100118, \$20030PED100118

See appropriate Alpine gable detail for maximum any eleforces galle, ver

"T" Reinforcement Attachment Detail



To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate Alpine gable detail).

Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace

"T" Reinf.	"T"
Mbr. Size	Increase
2×4	30 %
2x6	20 %

#### Example:

ASCE 7-10 Wind Speed = 120 mph Mean Roof Height = 30 ft, Kzt = 1.00 Gable Vertical = 24"o.c. SP #3

"T" Reinforcing Member Size = 2x4

"T" Brace Increase (From Above) = 30% = 1.30 (1) 2x4 "L" Brace Length = 8' 7"

Maximum "T" Reinforced Gable Vertical Length

 $1.30 \times 8' \ 7'' = 11' \ 2''$ 

## \*\*\*VARNINGI\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAVINGI \*\*\*\*IMPORTANT\*\*\* FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, shipping, installing and moracing. Refer to and follow the latest edition of BCSI (Building Component Safety information, by FPI and SBCA) for screety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bot on chord shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to each of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any fallure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping in stallation & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org

COA#027841005/13/2021

REF LET-IN VERT DATE 01/02/2018 DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF DUR. FAC. ANY MAX. SPACING 24.0"

Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing Member

Gable

Truss

## Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

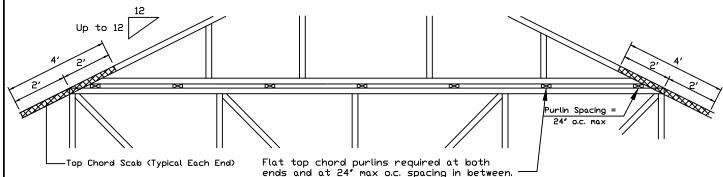
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

\*\* Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

## Detail A: Purlin Spacing = 24" o.c. or less



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4" o.c.

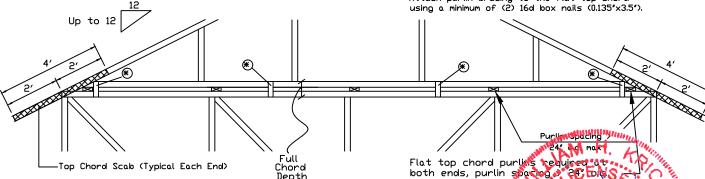
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nalls, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

## Detail B: Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4" o.c.

Attach purlin bracing to the flat top chord



Depth Note: If purlins or sheathing are not specified on the flat top of the sage truss, purlins must be installed at 24" o.c. max. and use Detail A.

\* In addition, provide connection with one of the following methods:

Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

#### APA Rated Gusset

8'x8'x7'16' (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.13'x2') nalls per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

#### 2x4 Vertical Scabs

2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered o.c. front to back faces.

#### 28PB Wave Piggyback Plate

Dine 28PB wave piggyback plate to each face 8 8' o.c. Attach teeth to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120'x1.375' nails per face per ply.
Piggyback plates may be staggered 4' o.c. front

to back faces.

## 

Trusses require extreme care in fabricating, handling, shipping, installing interioring. Refer to an follow the latest edition of BCSI (Buldling Component Safety Information, by TPI and SBCA) for so ety practices prior to performing these functions. Installers shall provide temporary bracing pe BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bot on chords shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to each of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping installation a bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional AN ITW COMPANY

engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Bullding Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.org; ICC: www.iccsafe.org



IREF PIGGYBACK 01/02/2018 DATE

DRWG PB160160118

SPACING 24.0"

13723 Riverport Drive Suite 200 Maryland Heights, MO 63043