



Alpine, an ITW Company 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Phone: (800)755-6001 www.alpineitw.com

Site Information:	Page 1:
Customer: Carpenter Contractors of America	Job Number: REPAIR 86132 A1 & A2
Job Description: REPAIR 86132 A1 & A2	
Address: LOT 54	

Job Engineering Criteria:		
Design Code: IRC 2018		IntelliVIEW Version: 21.02.01
		JRef #: 1Y7089790004
Wind Standard: ASCE 7-16	Wind Speed (mph): 130	Design Loading (psf): 40.00
Building Type: Closed		

This package contains general notes pages, 2 truss drawing(s) and 0 detail(s).

item Draw	ing Number	Truss	Item	Drawing Number	Truss
1 027.2	5.1141.49613	A1	2	027.25.1149.08973	A2

# **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.

### **Bearing Information:**

The bearing area factor, Cb, is considered for the allowable capacity of solid sawn wood bearings supporting trusses that are located a minimum of 3" from the end of the lumber piece.

# **General Notes** (continued)

#### Coated Lumber:

Coated lumber must be properly re-dried and maintained below 19% or less moisture level through all stages of construction and usage. Coated lumber has no adjustments to lumber properties. Coated lumber may be more brittle than uncoated lumber. Special handling care must be taken to prevent breakage during all handling activities. Refer to manufacturer literature, specifications, and code evaluation reports for restrictions, details, and requirements.

### **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.

#### 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.

C = Coated lumber.

C-AT = AtTEK coated lumber.

C-FX = FX Lumber Guard coated lumber.

C-TE = TechWood 4400 coated lumber.

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-BF = Boraflame 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-ON = OnWood Fire Retardant Treated lumber.

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

FRT-PR = ProWood 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 all load cases.

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

Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for 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).

# General Notes (continued)

# Key to Terms (continued):

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.

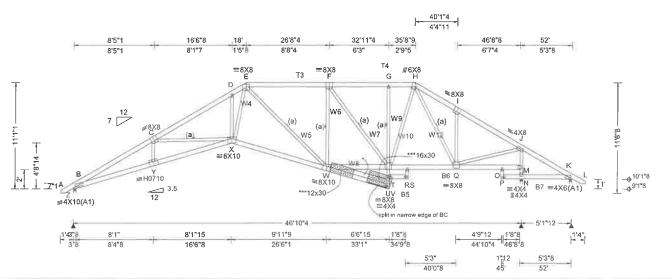
Refer to ASCE-7 for Wind and Seismic abbreviations.

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.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; www.alpineitw.com.
- 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. sbcacomponents.com

Cust: R 8979 JRef: 1Y7089790004 T13 SEQN: 148513 HIPS Job Number: REPAIR 86132 -- A1 & A2 Ply: FROM: REL REPAIR 86132 -- A1 & A2 DrwNo: 027,25,1141,49613 Qty: 4 Page 1 of 2 Truss Label: A1 JΒ / DF 12/08/2023



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: 10,0 Ct: 1,1 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: 8.5 Ce: 1.1	VERT(LL): 0.319 D 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(CL): 0.632 D 886 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.182 V
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.361 V
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	IRC 2018	Max TC CSI: 0.636
Load Duration: 1,15	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.510
Spacing: 24.0 "	C&C Dist a: 5.20 ft	Rep Fac: Yes	Max Web CSI: 0.820
	Loc, from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE HS	VIEW Ver: 21.02.01.1216.15

#### Lumber

Top chord: 2x6 SP #2; T3,T4 2x6 SP SS; Bot chord: 2x6 SP SS; B5,B6,B7 2x6 SP #2; Webs: 2x4 SP #3; W4,W5,W6,W7,W9,W10, W12 2x4 SP #2; W8 2x6 SP #2;

#### Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.), Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

#### **Plating Notes**

All plates are 2X4 except as noted,

Bottom chord checked for 10,00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

# Wind

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

# **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.

Shim all supports to solid bearing.

Laterally brace chord member above/below filler @ 24"O.C. or as specified, including a brace at chord ends.



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### ▲ Maximum Reactions (lbs)

	G	ravity		Non-Gravity			
Lo	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
Z	1939	/-	/-	/1103	/322	/227	
Ν	2328	/-	/-	/1226	/337	/-	
K	63	/-24	/-	/96	/81	/-	
Wi	nd read	tions b	ased on (	C&C			
Ζ	Brg V	Iid = 3.	5 Min F	Req = 2.2	(Truss	3)	
Ν	Brg V	/id = 3.	5 Min F	Req = 2.4	(Truss	3)	
K	Brg V	Iid = 3.	0 Min F	Req = 1.5	(Truss	s)	
Bea	arings 2	Z, N, &	K Fcperp	= 565psi			
Me	mbers	not liste	ed have fo	orces less	than 3	375#	
Ma	ximum	Top C	hord For	ces Per l	Ply (lb:	s)	
Ch	ords T	ens.Co	mp. (	Chords	Tens	Ćomn	

B - C	854 - 5593	F-G	530	- 2063
C-D	767 - 4683	G - H	531	- 2064
D - E	837 - 4565	H - I	521	- 1948
E-F	598 - 2409	1 - J	417	- 1998

# Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.0	Comp.	Chords	Tens. Comp.		
B-Y	4921	- 681	T-R	1703	- 150	
Y - X	4953	- 685	R-Q	1745	- 165	
X - W	3397	- 377				

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Tens.Comp. Webs Tens		Comp.	
C-X	219 - 782	T - H	1027	- 187	
D - X	127 - 448	H - Q	54	- 378	
X - E	2899 - 341	Q - I	161	- 382	
E-W	81 - 1189	Q-J	1981	- 230	
W - T	2362 - 283	J - M	379	-2101	
F-T	119 - 580	M - N	363	~ 2058	

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

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, railure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing arawing 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 Séc.2.

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

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

SEQN: 148513 Job Number: REPAIR 86132 -- A1 & A2 HIPS Ply: 1 Cust: R 8979 JRef: 1Y7089790004 T13 FROM: REL REPAIR 86132 -- A1 & A2 Qty: 4 DrwNo: 027.25,1141,49613 Page 2 of 2 Truss Label: A1 JB. / DE 01/27/2025

This truss is repaired for a split in the narrow edge of bottom chord as shown,

Repair(s) must comply with Alpine designs &

Shore Truss and any supported spans in proper position as repair is being made.

\* (1)2X6 SPF #1/#2 OR BETTER CUT TO FIT FIELD-INSTALLED MEMBER TO BE ADDED AS SHOWN INTO PLANE OF TRUSS. THERE WILL BE A TOTAL OF (1) MEMBERS ADDED IN

PLANE

\*\*\* (2)1/2"(NOM.) APA 32/16 EXP 1 RATED SHEATHING (PLYWOOD OR OSB) GUSSETS REQUIRED. APPLY ONE GUSSET TO EACH FACE LOCATED AS SHOWN, AND ATTACH WITH (2)ROWS 0.113X2.0"NAILS AT 2" O.C. IN EACH MEMBER COVERED, STAGGERED 1" AND STAGGER ROWS OF NAILS 1" FROM FACE TO FACE WITHOUT SPLITTING LUMBER NOTE: GUSSET MAY BE TRIMMED TO FIT TRUSS PROFILE.



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Job Number: REPAIR 86132 -- A1 & A2 SEON: 148517 HIPS Ply: 1 Cust: R 8979 JRef: 1Y7089790004 T14 REPAIR 86132 -- A1 & A2 FROM: REL Qly: 1 DrwNo: 027.25.1149.08973 Page 1 of 2 Truss Label: A2 JΒ / DF 12/08/2023 8'5"1 16'6"8 26'8"4 32'11"4 35'8"9 42'11"15 52' 8'5" 1'5"8 8'8"4 2'9"5 8'1"7 6'3' 9'0" III6X8 III2X4 |||2X4 D ₹8X12 (a) **8** X8 **8** (a) W1 \*\*\*22x66 W1 =8X10 3.5 478" W <sub>-ф</sub>10'1"8 R ≡8X8 ≥10X10 \*\*12x36 =4X6(A1) N O ≡8X8 ≋2X4 ≢4X10(A1) splintered 46'10"4 5'1"12 —

6'6"10

33'1

9'8"8

42'9"8

4'0"12

46'10"4

Loading Criteria (psf)   TCLL: 20.00   TCDL: 10.00   BCLL: 0.00   BCDL: 10.00   Des Ld: 40.00   NCBCLL: 10.00   Soffit: 2.00   Load Duration: 1.15   Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B 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: 5.20 ft Loc. from endwall: Any	Snow Criteria (Pg,Pf in PSF) Pg: 10.0 Ct: 1.1 CAT: II Pf: 8.5 Ce: 1.1 Lu: - Cs: 1.00 Snow Duration: 1.15  Building Code: IRC 2018 TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.284 D 999 360 VERT(CL): 0.562 D 997 240 HORZ(LL): 0.178 L HORZ(TL): 0.352 L Creep Factor: 2.0 Max TC CSI: 0.307 Max BC CSI: 0.478 Max Web CSI: 0.935
Spacing: 24.0 "			Max Web CSI: 0.935  VIEW Ver: 21.02.01.1216.15
Learning		A statistic sent Alexand	

8'2"

16'6"8

Lumber
--------

Top chord: 2x6 SP SS; Bot chord: 2x6 SP SS

1'43"

8'1'

8'4"8

Webs: 2x4 SP #2; W1,W2,W3,W7,W12,W13 2x4 SP #3;

#### Bracing

(a) 1X4 #3SRB or better continuous lateral restraint to be equally spaced. Attach with (2) 8d Box or Gun nails(0.113"x2.5",min.), Restraint material to be supplied and attached at both ends to a suitable support by erection contractor.

(a) or scab reinforcement may be used in lieu of CLR restraint. substitute (1) scab for (1) CLR and (2) scabs for (2) CLR'S where shown. Scab reinforcement to be same size, species, grade, and 80% length of web member. Attach with 0.128x3" gun nails @ 6" oc.

#### Loading

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss designed for unbalanced snow loads.

Member design based on both MWFRS and C&C. Wind loading based on both gable and hip roof types.

## **Additional Notes**

9'11"14

26'6"6

Negative reaction(s) of -387# MAX. from a non-wind load case requires uplift connection. See Maximum

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.

Shim all supports to solid bearing,



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#### ▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /R-/Rw /U /RI S 1894 /-/-/1073 /311 /226 2790 1-/1460 /435 L /-387 /-/75 /327 1... Wind reactions based on C&C Brg Wid = 3.5 S Min Reg = 2.1 (Truss) Min Req = 2.9 (Truss) Min Req = 1.5 (Truss) Brg Wid = 3.5 Brg Wid = 3.0 Bearings S, L, & J Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens. Comp. Chords Tens.Comp.

5'1"12

1'4"

52'

B - C	817 - 5434	F-G	476	- 1703
C-D	727 - 4514	G - H	477	- 1707
D-E	782 - 4316	H - I	357	- 1031
E-F	575 - 2308	I - J	1359	- 189

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

			4110100		oomp.
B-R	4778	- 648	N - M	1407	- 122
R-Q	4807	-652	M - L	711	-43
Q-P	3304	- 355	L - J	248	- 1051

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
C - Q	221 - 788	F-N	182	- 1069
Q-E	2658 - 290	N - H	1088	- 174
E-P	82 - 1202	H - M	136	- 1046
P-F	495 0	M - I	932	0
P - N	2258 - 252	1 - L	494	- 3075

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Notes page for additional information.

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North Building, 4th Floor Glenview, IL 60025

SEQN: 148517 HIPS Ply: 1 Job Number: REPAIR 86132 -- A1 & A2 Cust: R 8979 JRef: 1Y7089790004 T14 FROM: REL Qty: 1 REPAIR 86132 -- A1 & A2 DrwNo: 027.25.1149.08973 Page 2 of 2 Truss Label: A2 / DE 01/27/2025

This truss is repaired for splintered bottom chord

Repair(s) must comply with Alpine designs &

Shore Truss and any supported spans in proper position as repair is being made.

\* (1)2X6 SP #2 OR BETTER CUT TO FIT FIELD-INSTALLED MEMBER TO BE ADDED AS SHOWN INTO PLANE OF TRUSS. THERE WILL BE A TOTAL OF (1) MEMBERS ADDED IN PLANE.

\*\*\* (2)3/4"(NOM.) APA 48/24 EXP 1 RATED SHEATHING (PLYWOOD OR OSB) GUSSETS REQUIRED. APPLY ONE GUSSET TO EACH FACE LOCATED AS SHOWN, AND ATTACH WITH (2) ROWS 0.113X2.0"NAILS AT 2" O.C. IN EACH MEMBER COVERED, STAGGERED 1" AND STAGGER ROWS OF NAILS 1" FROM FACE TO FACE WITHOUT SPLITTING LUMBER NOTE: GUSSET MAY BE TRIMMED TO FIT TRUSS PROFILE



ABCD Engineering, PLLC NC COA 0838

\*\*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 continuous faiteral restraint (CLR), installed with diagonal bracing installed on the CLR 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: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

