TRUSS CHECK
(CHECK BOX AND INITIAL)

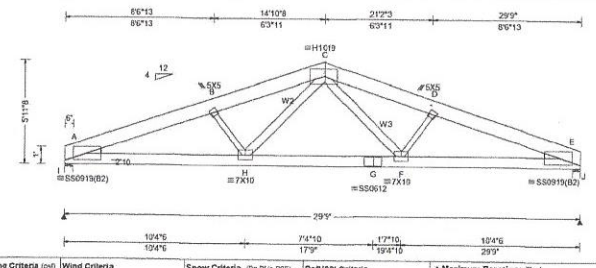
X	TRUSS SIZE	AY
X	ROOF PITCH	AY
X	BAY SPACING	AY
X	SLC / RLC	AY
X	DESIGN LOADS	AY
X	OVERHANGS	AY

INTERMEDIATE TRUSS

SEQN: 917756 COMN Ply: 1
FROM: AH

Job Number: 2026102370
Truss Label: TA29-9EMSC63STST80C4truss130W

Cust: R 7054 JRef:1YKG07054009 T2213
DrwNo: 147.26.1059.03740
/ FK 05/27/2026



Loading Criteria (psf)
TCLL: 53.80
TCDL: 4.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 62.80
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.15
Spacing: 96.0 "

Wind Criteria
Speed: 130 mph
Risk Category: II
Enclosure: Enclosed
EXP: C Kzt: NA
TCDL: 2.4 psf
BCDL: 3.0 psf
Mean Height: 15.00 ft
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.60 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 68.3 Ct: 1.20 CAT: II
Pf(ASD): 57.4
Ce: 1.0 Lu: 16.0
Cs: 0.94 Snow Duration: 1.15

Building Code:
IBC 2021
Load Std: ASCE 7-16
TPI Std: 2014
Rep Fac: No
FT/RT/FT:20(20)10(10)4(0)
Plate Type(s):
18SS, WAVE, HS

VIEW Ver: 25.02.01B.0407.13

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.498 F 709 240
VERT(CL): 0.582 F 607 180
HORZ(LL): 0.173 E - -
HORZ(TL): 0.201 E - -
Creep Factor: 2.0
Max TC CSI: 0.783
Max BC CSI: 0.991
Max Web CSI: 0.636

Maximum Reactions (lbs)

Loc	Gravity R+	Gravity R-	Gravity Rh	Non-Gravity Rw	Non-Gravity U	Non-Gravity RL
I	7631	/-	/-	/1142	/941	/246
J	7631	/-	/-	/1142	/941	/-

Wind reactions based on MWFRS
I Brg Wid = 5.5 Min Req = ---
J Brg Wid = 5.5 Min Req = ---
Bearings I & J 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	3231	-10963	C - D	3095	-13957
B - C	3089	-13555	D - E	3236	-15965

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	14561	-2910	G - F	10652	-2047
H - G	10652	-2047	F - E	14562	-2827

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - H	896	-3960	C - F	4788	-687
H - C	4786	-686	F - D	895	-3959

Lumber
Top chord: 2x10 SP 2400f-2.0E;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #2; W2,W3 2x6 SP #1;
Lt Wedge: 2x4 SP #2;Rt Wedge: 2x4 SP #2;

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 7380 ft.
See Cleary Building Corp. drawing for bearing attachment and bottom chord bracing details.
This designs applies to both open wall and enclosed wall buildings.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC.

COLORADO LICENSED DAVID J. ROTHWELL 62014 PROFESSIONAL ENGINEER
05/27/2026

"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 lateral 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 TB0A.2 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

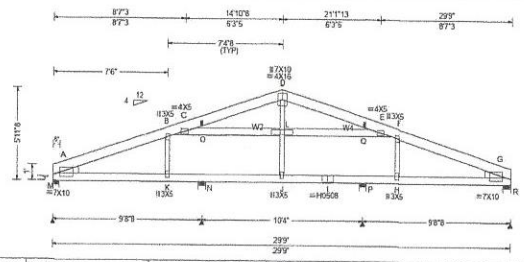
ALPINE A ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

STRUCTURAL ENDWALL TRUSS

SEQN: 917794 COMN Ply: 1
FROM: AH

Job Number: 2026102370
Truss Label: TB29-9SEW4WD-H12HEEL130W

Cust: R 7054 JRef:1YKG07054009 T2845
DrwNo: 147.26.1059.41753
/ FK 05/27/2026



Loading Criteria (psf)
TCLL: 53.80
TCDL: 4.00
BCLL: 0.00
BCDL: 5.00
Des Ld: 62.80
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.15
Spacing: 60.0 "

Wind Criteria
Speed: 130 mph
Risk Category: II
Enclosure: Enclosed
EXP: C Kzt: NA
TCDL: 2.4 psf
BCDL: 3.0 psf
Mean Height: 15.00 ft
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.60 ft
Loc. from endwall: not in 5.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 68.3 Ct: 1.20 CAT: II
Pf(ASD): 57.4
Ce: 1.0 Lu: 16.0
Cs: 0.94 Snow Duration: 1.15

Building Code:
IBC 2021
Load Std: ASCE 7-16
TPI Std: 2014
Rep Fac: No
FT/RT/FT:20(20)10(10)4(0)
Plate Type(s):
WAVE, HS

VIEW Ver: 25.02.01B.0407.13

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): 0.126 H 912 240
VERT(CL): 0.142 H 808 180
HORZ(LL): 0.057 B - -
HORZ(TL): 0.063 B - -
Creep Factor: 2.0
Max TC CSI: 0.603
Max BC CSI: 0.720
Max Web CSI: 0.474

Maximum Reactions (lbs)

Loc	Gravity R+	Gravity R-	Gravity Rh	Non-Gravity Rw	Non-Gravity U	Non-Gravity RL
M	2086	/-	/-	/322	/272	/154
N	701	/-	/0	/179	/17	/-
O	2996	/-	/-	/334	/301	/-
P	699	/-	/0	/175	/16	/-
Q	2997	/-	/-	/313	/302	/-
R	2086	/-	/-	/322	/272	/-

Wind reactions based on MWFRS
M Brg Wid = 5.5 Min Req = 2.5 (Truss)
N Brg Wid = 5.5 Min Req = 1.5 (Truss)
O Brg Wid = 1.5 Min Req = -
P Brg Wid = 5.5 Min Req = 1.5 (Truss)
Q Brg Wid = 1.5 Min Req = -
R Brg Wid = 5.5 Min Req = 2.5 (Truss)
Bearings N & P are a rigid surface.
Bearings M & R Fcperp = 565psi.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	536	-2509	D - E	584	-2822
B - C	576	-2035	E - F	569	-2035
C - D	589	-2822	F - G	529	-2509

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - K	2128	-360	I - H	4241	-719
K - J	4241	-719	H - G	2128	-364
J - I	2120	-360			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - L	389	-949	L - E	389	-949

Lumber
Top chord: 2x8 SP 2400f-2.0E;
Bot chord: 2x8 SP #1;
Webs: 2x4 SP #2; W2,W4 2x6 SP #1;
Lt Wedge: 2x6 SP #1;Rt Wedge: 2x6 SP #1;

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Uplifts based on an elevation at or above 7380 ft.
See Cleary Building Corp. drawing for bearing attachment and bottom chord bracing details.
This designs applies to both open wall and enclosed wall buildings.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC.

COLORADO LICENSED DAVID J. ROTHWELL 62014 PROFESSIONAL ENGINEER
05/27/2026

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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

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Glenview, IL 60025

CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: LAUREN YORK
DATE DRAWN: 05/20/26

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: ZIMMERMAN, TYLER OR SAVANNAH
PROJECT SITE ADDRESS: 6565 GAMBLER PLACE COLORADO SPRINGS, CO 80908 (EL PASO)
BUILDING SIZE: 30' 0" x 56' 0" x 14' 4"
SHEET NAME: TRUSS DIAGRAMS

PROJECT NUMBER: 2026102370
SHEET NUMBER: 160

PAPER SCALE IS N.T.S.

COLORADO LICENSED DAVID J. ROTHWELL 62014 PROFESSIONAL ENGINEER
6/2/2026

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