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This item has been digitally signed by William H. Krick on the date adjacent to the seal.

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COA #0 278

Florida Certificate of Product Approval #FL 1999

12/05/2024

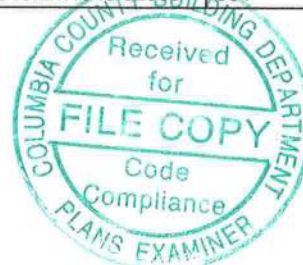
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 24-1548
Job Description: OLIVIA ADAMS	
Address: Lot 12 forest Country 6th Addition, Lake City, FL	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 23.02.04 JRef #: 1Y5J2150001
Wind Standard: ASCE 7-22 Wind Speed (mph): 130	Design Loading (psf): 40.00
Building Type: Closed	

This package contains general notes pages, 20 truss drawing(s) and 0 detail(s).

Item	Drawing Number	Truss
1	340.24.1344.18500	A01
3	340.24.1344.21170	A03
5	340.24.1344.24300	B02
7	340.24.1344.35203	C01
9	340.24.1344.38487	C03
11	340.24.1344.41947	C05
13	340.24.1344.48253	C07
15	340.24.1344.51693	C09
17	340.24.1344.56493	J01
19	340.24.1344.59333	J03

Item	Drawing Number	Truss
2	340.24.1344.19913	A02
4	340.24.1344.23000	B01
6	340.24.1344.25357	B03
8	340.24.1344.36760	C02
10	340.24.1344.39777	C04
12	340.24.1344.46950	C06
14	340.24.1344.50160	C08
16	340.24.1344.54763	HJ01
18	340.24.1344.57973	J02
20	340.24.1345.02938	J04



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, C_b , 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 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.

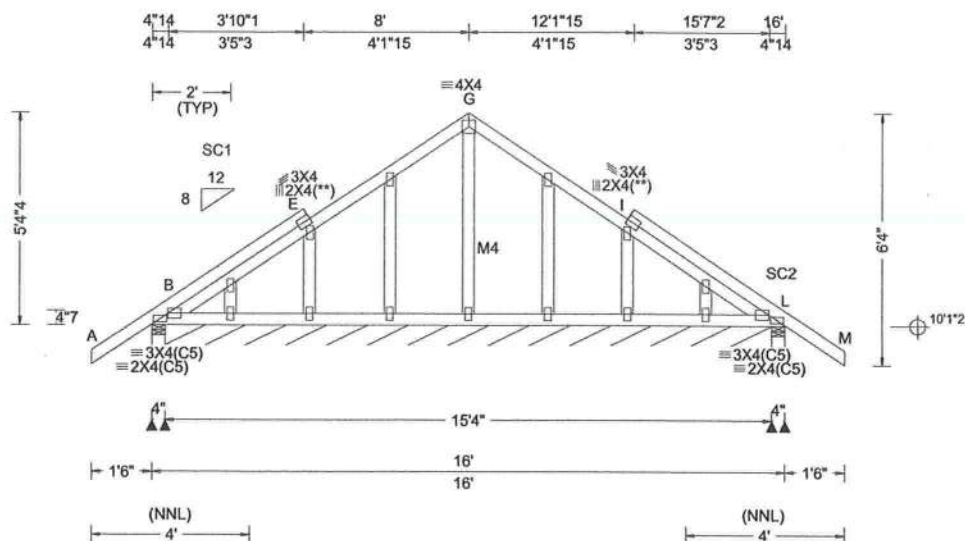
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

SEQN: 790102 FROM: SDY	GABL Qty: 1	Job Number: 24-1548 OLIVIA ADAMS Truss Label: A01	Cust: R 215 JRef: 1Y5J2150001 T2 DrwNo: 340.24.1344.18500 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
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 7-22 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 8th Ed. 2023 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): 0.001 G 999 240 VERT(CL): 0.001 E 999 180 HORZ(LL): 0.002 I - - HORZ(TL): 0.002 I - - Creep Factor: 2.0 Max TC CSI: 0.286 Max BC CSI: 0.030 Max Web CSI: 0.679 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 299 /- /- /179 /50 /196 B* 62 /- /- /37 /10 /- L 299 /- /- /208 /50 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) B Brg Wid = 183 Min Req = - L Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B, B, & L 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; M4 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/193.

Additional Notes

Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.

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 5-4-4.



COA #0278

12/05/2024
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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 SBCE) 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 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

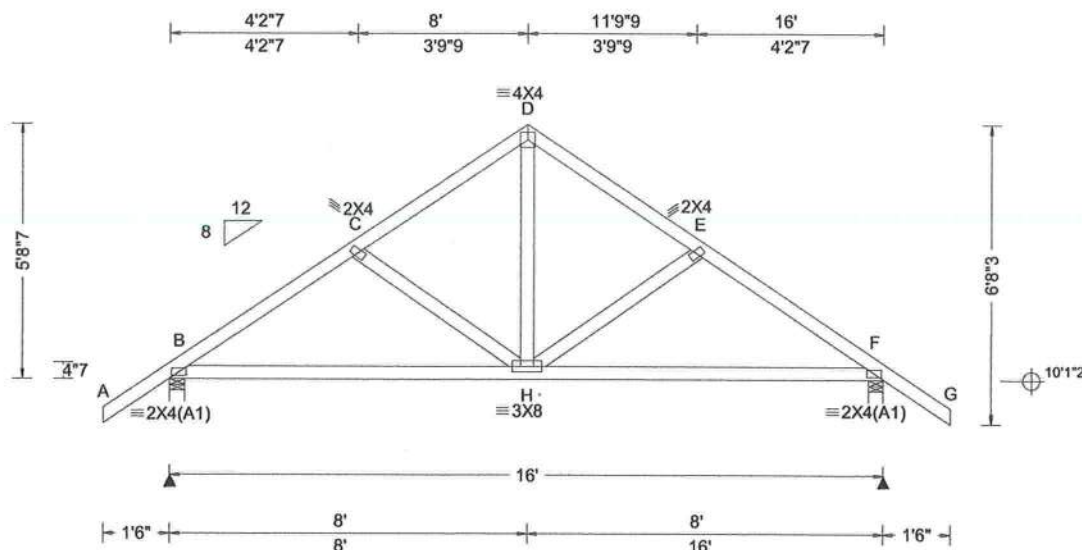
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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; SBCE: sbcecomponents.com; ICC: iccsafe.org; AWC: awc.org



155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 790104 FROM: SDY	COMN Ply: 1 Qty: 4	Job Number: 24-1548 OLIVIA ADAMS Truss Label: A02	Cust: R 215 JRef: 1Y5J2150001 T1 DrwNo: 340.24.1344.19913 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-22 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 8th Ed. 2023 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): 0.017 H 999 240 VERT(CL): 0.035 H 999 180 HORZ(LL): 0.008 F - - HORZ(TL): 0.016 F - - Creep Factor: 2.0 Max TC CSI: 0.199 Max BC CSI: 0.560 Max Web CSI: 0.175 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 776 /- /- /488 /130 /201 F 776 /- /- /488 /130 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & F 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. B - C 365 -875 D - E 312 -665 C - D 313 -665 E - F 365 -875

Lumber

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

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 5-8-7.



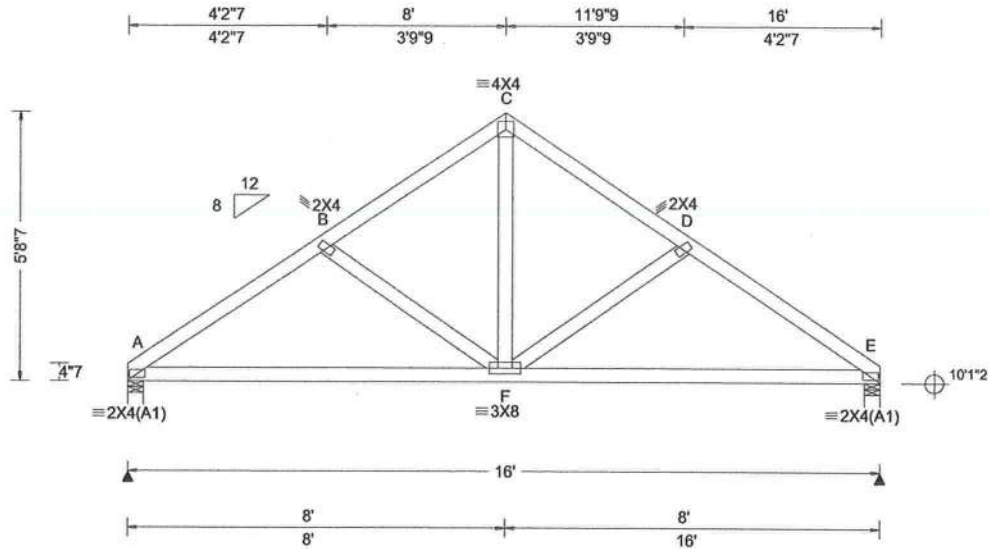
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 790106 FROM: SDY	COMN Ply: 1 Qty: 1	Job Number: 24-1548 OLIVIA ADAMS Truss Label: A03	Cust: R 215 JRef: 1Y5J2150001 T3 DrwNo: 340.24.1344.21170 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-22 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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwalk: not in 9.00 ft 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 8th Ed. 2023 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): 0.016 F 999 240 VERT(CL): 0.034 F 999 180 HORZ(LL): 0.008 E - - HORZ(TL): 0.017 E - - Creep Factor: 2.0 Max TC CSI: 0.170 Max BC CSI: 0.575 Max Web CSI: 0.181 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 672 /- /- /395 /105 /147 E 672 /- /- /395 /105 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A & E 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 238 -909 C - D 208 -691 B - C 208 -691 D - E 239 -909 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - F 708 -130 F - E 708 -127 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - F 475 -105

Lumber

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

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 5-8-7.



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The drawing illustrates a roof truss system with the following details:

- Members:**
 - Top chord: 4X4 (E) at the peak, 3X4 (C) on the slopes.
 - Bottom chord: 3X4 (C5) at the eaves, 2X4 (C5) at the supports.
 - Vertical: 4X4 (E) at the peak.
 - Diagonal: 3X4 (C) on the slopes.
- Connections:**
 - SC1 (TYP) at the peak and eaves.
 - SC2 at the supports.
 - Connections are shown with bolts and gusset plates.
- Dimensions:**
 - Overall width: 10'1"2.
 - Overall height: 2'9"4.
 - Horizontal dimensions: 1'4"3, 4', 6'9"1, 7'7"2, 8', 1'6", 4', 4'.
 - Vertical dimensions: 4"14, 2'7"13, 2'9"1, 10"1, 3'8", 4", 7'4", 4", 1'6", 8', 1'6", 4', 4'.
- Notes:**
 - (NNL) indicates Non-Negative Load.
 - SC1 (TYP) indicates Standard Connection 1 (Typical).
 - SC2 indicates Standard Connection 2.

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;

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
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Additional Notes
Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.
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 2-8-4.

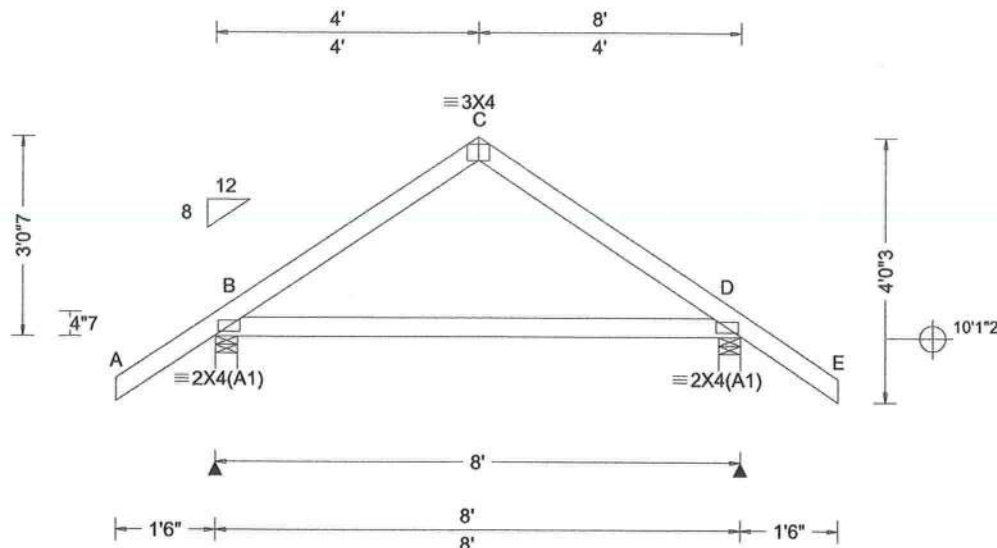

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155 Harlem Ave
 North Building, 4th Floor
 Glenview, IL 60025

SEQN: 790110 FROM: SDY	COMN Ply: 1 Qty: 2	Job Number: 24-1548 OLIVIA ADAMS Truss Label: B02	Cust: R 215 JRef: 1Y5J2150001 T4 DrwNo: 340.24.1344.24300 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-22 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 8th Ed. 2023 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): 0.003 B 999 240 VERT(CL): 0.013 B 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.012 D - - Creep Factor: 2.0 Max TC CSI: 0.260 Max BC CSI: 0.418 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 439 /- /- /296 /76 /126 D 439 /- /- /296 /76 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & D are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Additional Notes

The overall height of this truss excluding overhang is 3-0-7.



COA #0278

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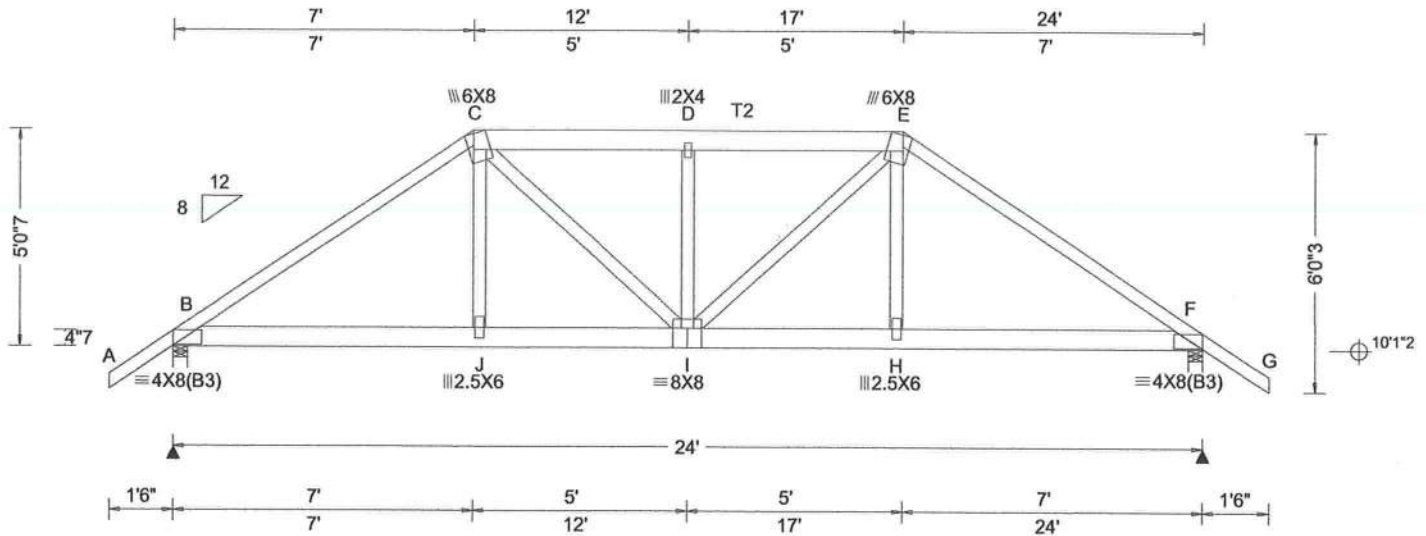
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Glenview, IL 60025

SEQN: 790081 FROM: SDY	HIPS Qty: 2	Ply: 1	Job Number: 24-1548 OLIVIA ADAMS Truss Label: C01	Cust: R 215 JRef: 1Y5J2150001 T15 DrwNo: 340.24.1344.35203 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-22 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 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.109 D 999 240 VERT(CL): 0.220 D 999 180 HORZ(LL): 0.038 F - - HORZ(TL): 0.077 F - - Creep Factor: 2.0 Max TC CSI: 0.946 Max BC CSI: 0.668 Max Web CSI: 0.301 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 2505 /- /- /- /557 /- F 2505 /- /- /- /557 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 3.0 (Truss) F Brg Wid = 4.0 Min Req = 3.0 (Truss) Bearings B & F 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. B - C 886 -3891 D - E 879 -3754 C - D 879 -3754 E - F 886 -3891 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - J 3150 -704 I - H 3172 -702 J - I 3172 -702 H - F 3150 -704 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - J 691 0 I - E 789 -239 C - I 789 -239 H - E 691 0 D - I 378 -687

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3;

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 17.00
TC: From 64 plf at 17.00 to 64 plf at 25.50
BC: From 5 plf at -1.50 to 5 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 16.97
BC: From 20 plf at 16.97 to 20 plf at 24.00
BC: From 5 plf at 24.00 to 5 plf at 25.50
TC: 451 lb Conc. Load at 7.03,16.97
TC: 193 lb Conc. Load at 9.06,11.06,12.94,14.94
BC: 506 lb Conc. Load at 7.03,16.97
BC: 131 lb Conc. Load at 9.06,11.06,12.94,14.94

Purlins

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

Wind

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 5'-0"-7".



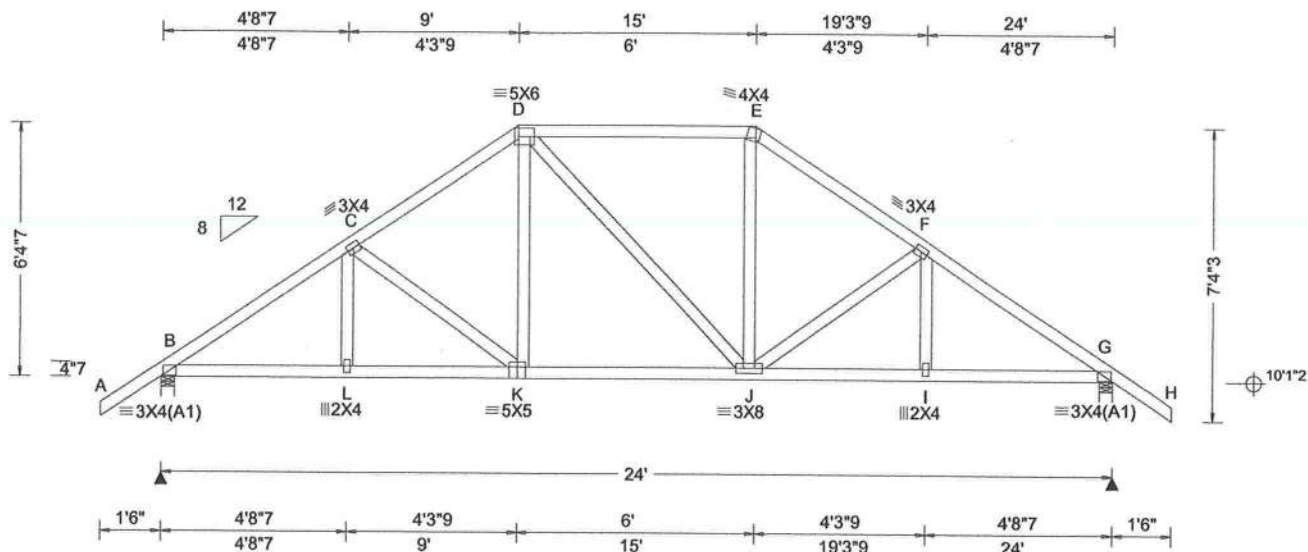
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12/05/2024
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 790084 FROM: SDY	HIPS Ply: 1 Qty: 2	Job Number: 24-1548 OLIVIA ADAMS Truss Label: C02	Cust: R 215 JRef: 1Y5J2150001 T8 DrwNo: 340.24.1344.36760 KD / WHK 12/05/2024
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-22		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): 0.040 K 999 240		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.083 K 999 180		B	1112	/-	/-	/682	/190	/219
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.021 G - -		G	1112	/-	/-	/682	/190	/-
Des Ld: 40.00		EXP: C Kzt: NA		Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE		HORZ(TL): 0.043 G - -		Wind reactions based on MWFRS						
NCBCLL: 10.00		Mean Height: 15.00 ft				Creep Factor: 2.0		B Brg Wid = 4.0 Min Req = 1.5 (Truss)						
Soffit: 2.00		TCDL: 5.0 psf				Max TC CSI: 0.427		G Brg Wid = 4.0 Min Req = 1.5 (Truss)						
Load Duration: 1.25		BCDL: 5.0 psf				Max BC CSI: 0.407		Bearings B & G are a rigid surface.						
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h				Max Web CSI: 0.154		Members not listed have forces less than 375#						
		C&C Dist a: 3.00 ft						Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall: not in 9.00 ft						Chords Tens.Comp. Chords Tens. Comp.						
		GCpi: 0.18												
		Wind Duration: 1.60				VIEW Ver: 23.02.04.0123.14								
Lumber														
Top chord: 2x4 SP #2;														
Bot chord: 2x4 SP #2;														
Webs: 2x4 SP #3;														
Purlins														
In lieu of structural panels use purlins to brace all flat														
TC @ 24" oc.														



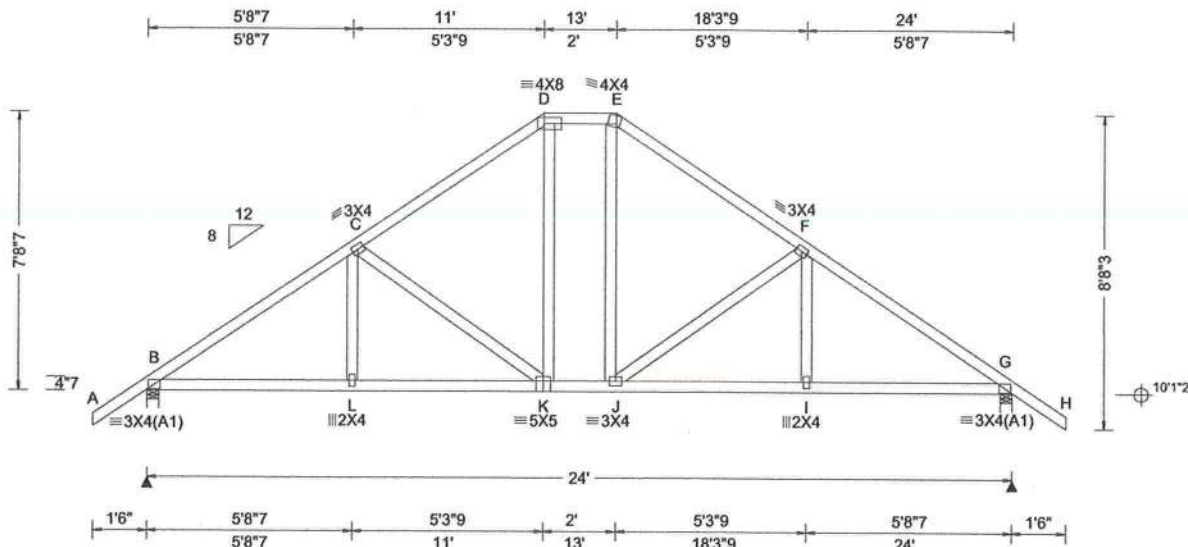
COA #0278

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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 790089 FROM: SDY	HIPS Qty: 1 Qty: 2	Job Number: 24-1548 OLIVIA ADAMS Truss Label: C03	Cust: R 215 JRef: 1Y5J2150001 T9 DrwNo: 340.24.1344.38487 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-22 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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft 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 8th Ed. 2023 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): 0.040 J 999 240 VERT(CL): 0.100 J 999 180 HORZ(LL): 0.020 G - - HORZ(TL): 0.042 G - - Creep Factor: 2.0 Max TC CSI: 0.343 Max BC CSI: 0.392 Max Web CSI: 0.373 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1112 /- /- /685 /186 /257 G 1112 /- /- /685 /186 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) G Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & G 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. B - C 334 -1445 E - F 349 -1058 C - D 349 -1058 F - G 333 -1445 D - E 334 -796

Lumber

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

Purlins

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

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 7'-8".



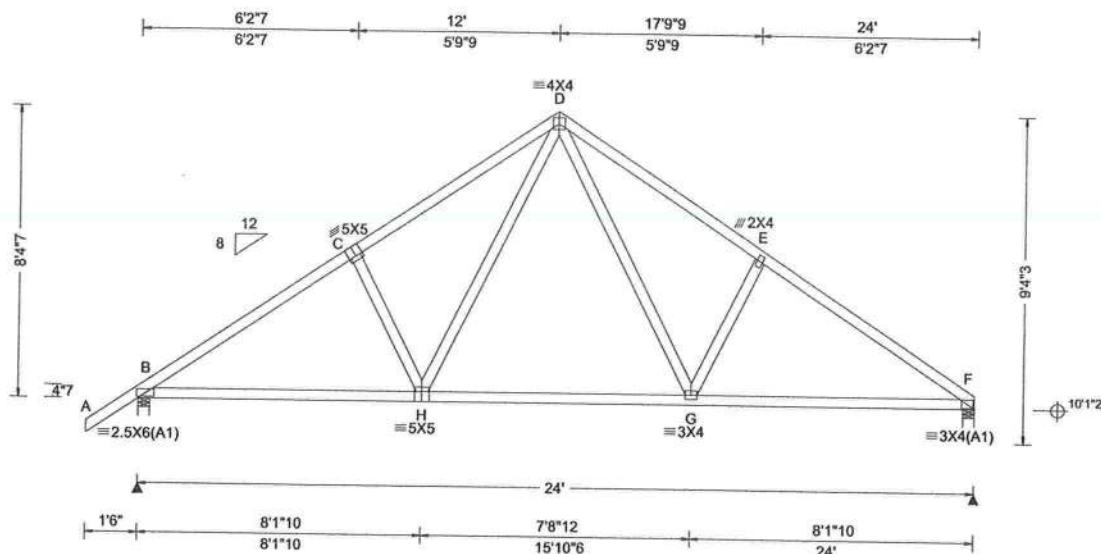
COA #0228

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Glenview, IL 60025

SEQN: 790092 FROM: SDY	COMN Ply: 1 Qty: 3	Job Number: 24-1548 OLIVIA ADAMS Truss Label: C04	Cust: R 215 JRef: 1Y5J2150001 T10 DrwNo: 340.24.1344.39777 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-22 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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft 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 8th Ed. 2023 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): 0.049 H 999 240 VERT(CL): 0.095 H 999 180 HORZ(LL): 0.021 F - - HORZ(TL): 0.042 F - - Creep Factor: 2.0 Max TC CSI: 0.382 Max BC CSI: 0.668 Max Web CSI: 0.233 VIEW Ver: 23.02.04.0123.14	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1194 /- /- /684 /185 /256 F 1083 /- /- /593 /158 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & F 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. B - C 278 -1571 D - E 358 -1423 C - D 345 -1408 E - F 291 -1585

Lumber

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

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.
Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 8'-4".



COA #0278

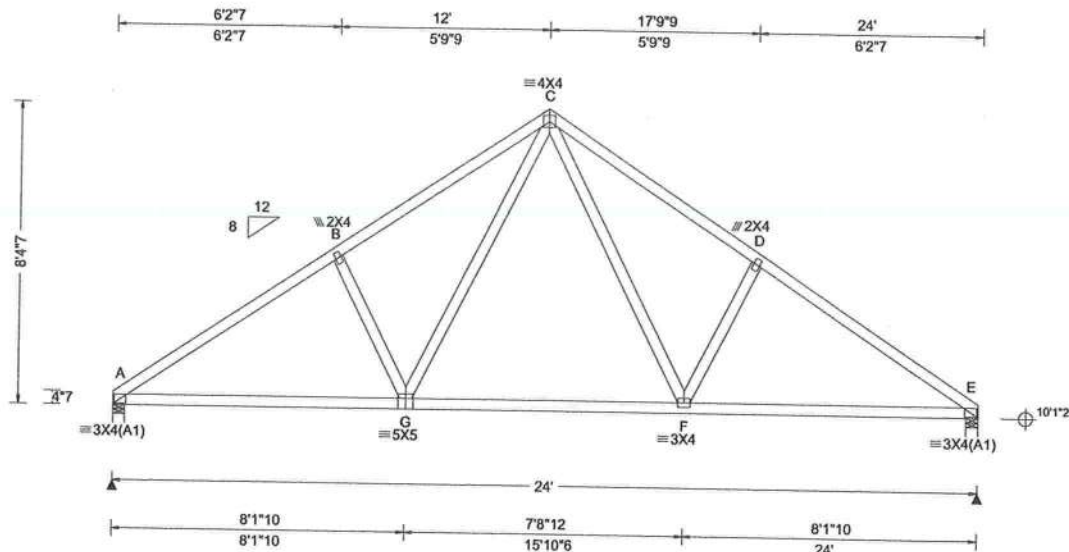
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 790100 FROM: SDY	COMN	Ply: 1 Qty: 1	Job Number: 24-1548 OLIVIA ADAMS Truss Label: C05	Cust: R 215 JRef: 1Y5J2150001 T11 DrwNo: 340.24.1344.41947 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.038 F 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.079 F 999 180	A	1008	/-	/-	/593	/7	/222
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.017 E - -	E	1008	/-	/-	/593	/7	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.036 E - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	A	Brg Wid = 4.0	Min Req = 1.5	(Truss)			
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.404	E	Brg Wid = 4.0	Min Req = 1.5	(Truss)			
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.624	Bearings A & E are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.200	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft	FT/RT: 20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18			A - B	294 -1437	C - D	361 -1277			
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14							

Lumber

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

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 8'-4-7/8".



COA #0278

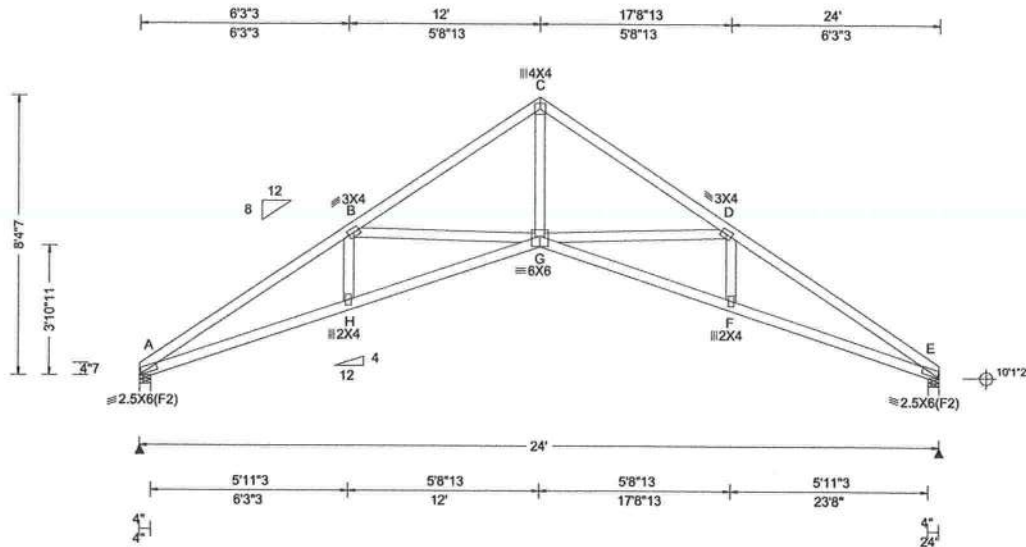
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 790094 FROM: SDY	COMN Ply: 1 Qty: 2	Job Number: 24-1548 OLIVIA ADAMS Truss Label: C06	Cust: R 215 JRef: 1Y5J2150001 T12 DrwNo: 340.24.1344.46950 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	GravityNon-Gravity LocR+ / R- / Rh / Rw / U / RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.157 G 999 240	A 1021 -/- -/- /599 /4 /222
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.335 G 849 180	E 1021 -/- -/- /599 /4 -/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.148 E - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.314 E - -	A Brg Wid = 4.0 Min Req = 1.5 (Truss)
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	E Brg Wid = 4.0 Min Req = 1.5 (Truss)
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.462	Bearings A & E are a rigid surface.
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.744	Members not listed have forces less than 375#
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.616	Maximum Top Chord Forces Per Ply (lbs)
	C&C Dist a: 3.00 ft		ChordsTens.Comp.ChordsTens. Comp.	
	Loc. from endwall: not in 9.00 ft			A - B413 -2629C - D264 -1892
	GCpi: 0.18		VIEW Ver: 23.02.04.0123.14	B - C271 -1892D - E407 -2629
	Wind Duration: 1.60			
Lumber				
Top chord: 2x4 SP #2;				
Bot chord: 2x4 SP #2;				
Webs: 2x4 SP #3;				
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 8-4-7.				

Lumber

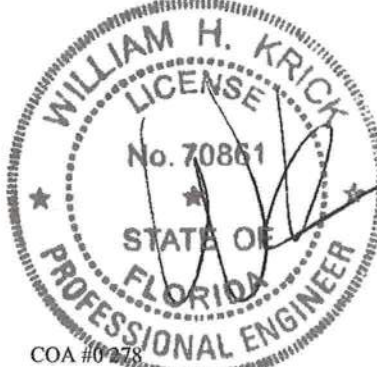
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 8-4-7.



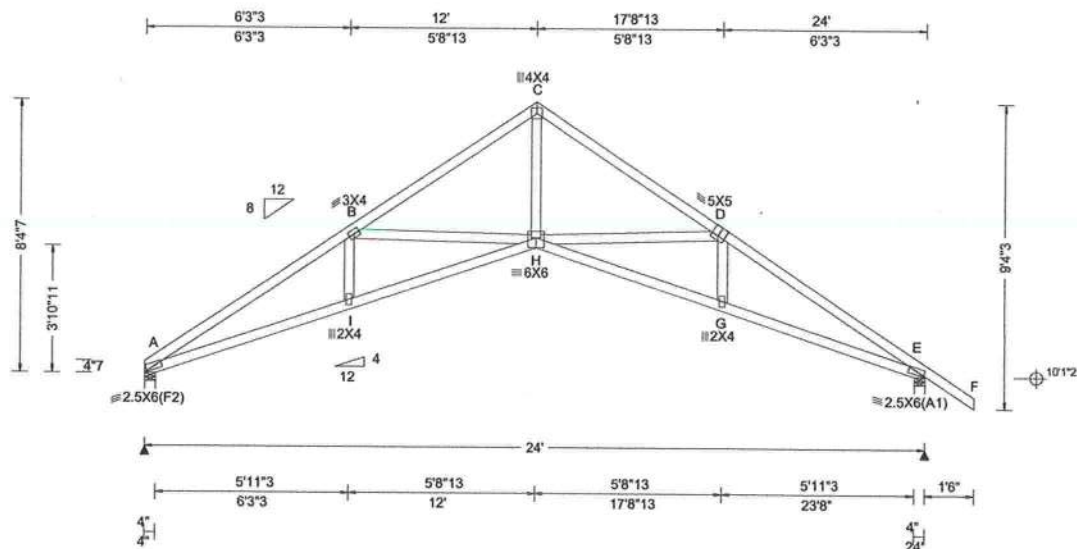
COA #0278

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

SEQN: 790122 FROM: SDY	CONN Ply: 1 Qty: 4	Job Number: 24-1548 OLIVIA ADAMS Truss Label: C07	Cust: R 215 JRef: 1Y5J2150001 T14 DrwNo: 340.24.1344.48253 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.160 H 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.336 H 845 180	A 1018 /- /- /599 /3 /256
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.150 E - -	E 1129 /- /- /690 /10 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.315 E - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	A Brg Wid = 4.0 Min Req = 1.5 (Truss)
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.540	E Brg Wid = 4.0 Min Req = 1.5 (Truss)
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.829	Bearings A & E are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.610	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 23.02.04.0123.14	A - B 371 -2616 C - D 215 -1879
	Wind Duration: 1.60			B - C 226 -1880 D - E 345 -2584
Lumber				
Top chord: 2x4 SP #2;				
Bot chord: 2x4 SP #2;				
Webs: 2x4 SP #3;				
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 8-4-7.				

Lumber

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

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 8-4-7.



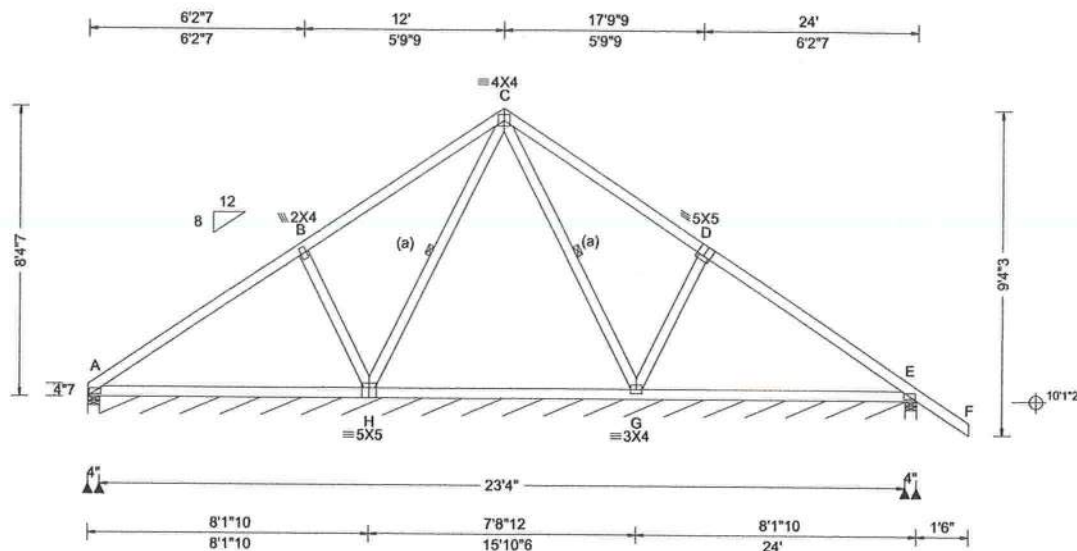
COA #0278

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

SEQN: 790120 FROM: SDY	COMN	Ply: 1 Qty: 1	Job Number: 24-1548 OLIVIA ADAMS Truss Label: C08	Cust: R 215 JRef: 1Y5J2150001 T21 DrwNo: 340.24.1344.50160 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
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: 26.0 "	Wind Std: ASCE 7-22 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: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.67 ft 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 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.009 A 999 240 VERT(CL): 0.020 A 999 180 HORZ(LL): 0.007 A - - HORZ(TL): 0.015 A - - Creep Factor: 2.0 Max TC CSI: 0.650 Max BC CSI: 0.623 Max Web CSI: 0.182 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 430 /- /- /247 /- /277 A* 57 /- /- /32 /1 /- E 540 /- /- /384 /10 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) A Brg Wid = 280 Min Req = - E Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A, A, & E 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.

Lumber

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

Bracing

(a) Continuous lateral restraint, equally spaced on member.

Plating Notes

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

Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

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 8-4-7.



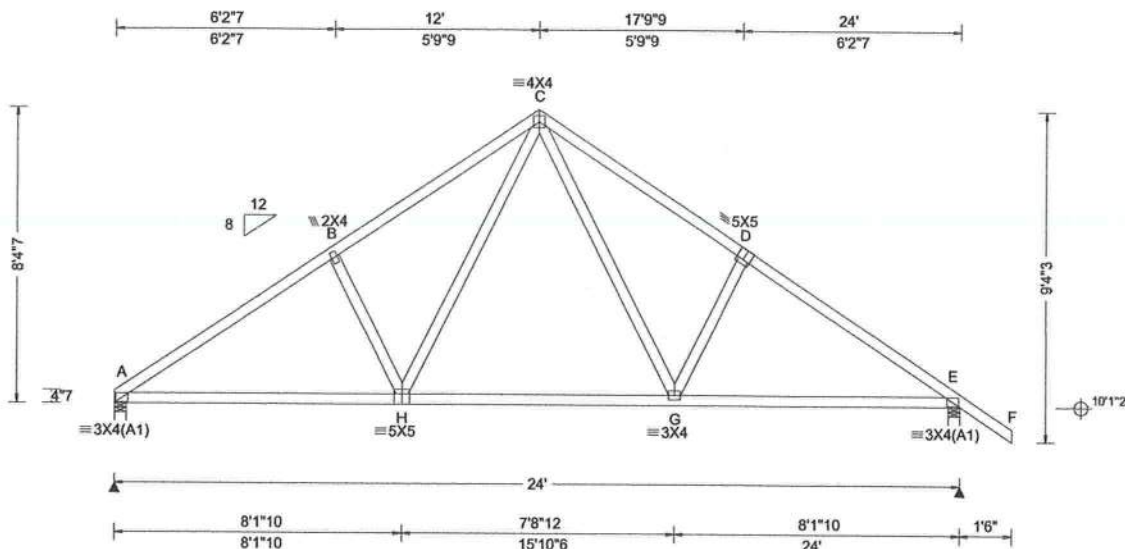
COA #0228

12/05/2024
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 790118 FROM: SDY	COMN Ply: 1 Qty: 1	Job Number: 24-1548 OLIVIA ADAMS Truss Label: C09	Cust: R 215 JRef: 1Y5J2150001 T13 DrwNo: 340.24.1344.51693 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.042 G 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.088 G 999 180	A 1088 /- /- /642 /171 /277
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 E - -	E 1209 /- /- /741 /201 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.039 E - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	A Brg Wid = 4.0 Min Req = 1.5 (Truss)
Soffit: 2.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.536	E Brg Wid = 4.0 Min Req = 1.5 (Truss)
Load Duration: 1.25	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max BC CSI: 0.736	Bearings A & E are a rigid surface.
Spacing: 26.0 "	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.220	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	Rep Fac: No		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.67 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. Chords Tens. Comp.
	GCp: 0.18	Plate Type(s):		A - B 316 -1550 C - D 374 -1361
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	B - C 389 -1375 D - E 301 -1537
Lumber				
Top chord: 2x4 SP #2;				
Bot chord: 2x4 SP #2;				
Webs: 2x4 SP #3;				
Purlins				
In lieu of structural panels use purlins to brace TC @ 24" oc.				
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 8-4-7.				

Lumber

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

Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.

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 8'-4".



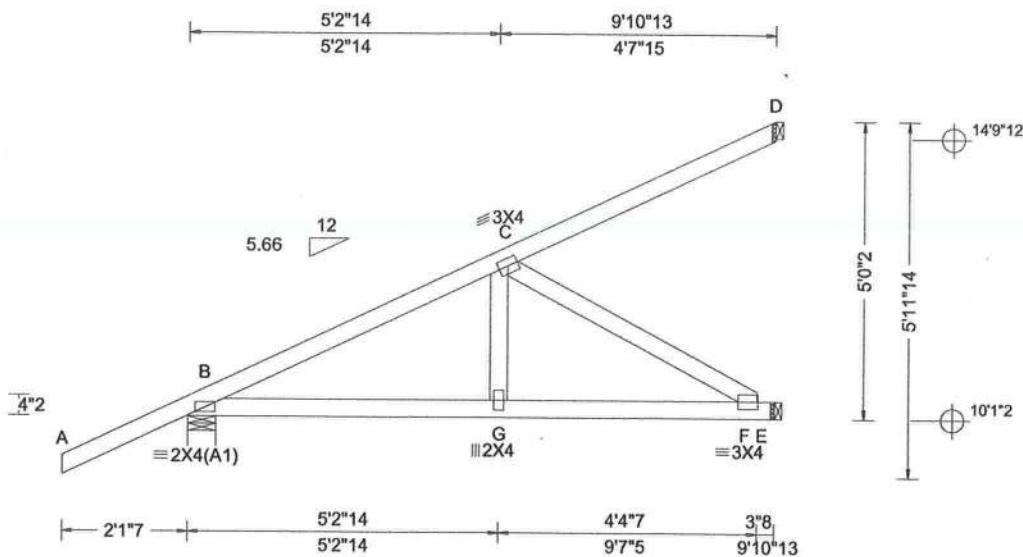
COA #0278

12/05/2024
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 790074 FROM: SDY	HIP_	Ply: 1 Qty: 4	Job Number: 24-1548 OLIVIA ADAMS Truss Label: HJ01	Cust: R215 JRef: 1Y5J2150001 T20 DrwNo: 340.24.1344.54763 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 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: NA 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 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.017 G 999 240 VERT(CL): 0.035 G 999 180 HORZ(LL): 0.004 F - - HORZ(TL): 0.009 F - - Creep Factor: 2.0 Max TC CSI: 0.641 Max BC CSI: 0.506 Max Web CSI: 0.313 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 472 /- /- /- /91 /- E 375 /- /- /- /7 /- D 258 /- /- /- /93 /- Wind reactions based on MWFRS B Brg Wid = 5.7 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Loading

Hipjack supports 7-0-0 setback jacks with no webs.

Wind

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 5-0-2.



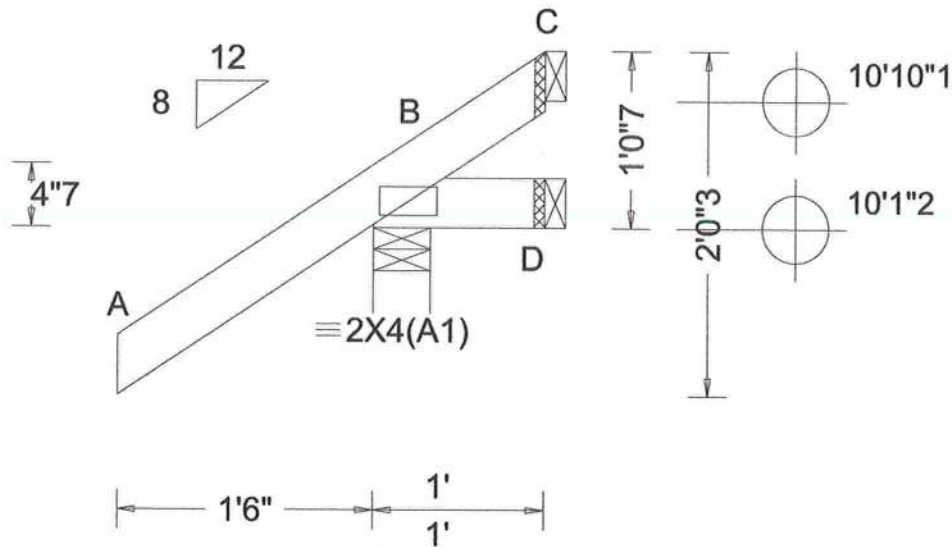
COA #0-278

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

SEQN: 790068 FROM: SDY	JACK Qty: 8	Ply: 1 Qty: 8	Job Number: 24-1548 OLIVIA ADAMS Truss Label: J01	Cust: R 215 JRef: 1Y5J2150001 T18 DrwNo: 340.24.1344.56493 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-22 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 8th Ed. 2023 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 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.044 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 261 /- /- /221 /63 /50 D 5 /-16 /- /15 /17 /- C - /-57 /- /38 /68 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Additional Notes

The overall height of this truss excluding overhang is 1'-0-7.



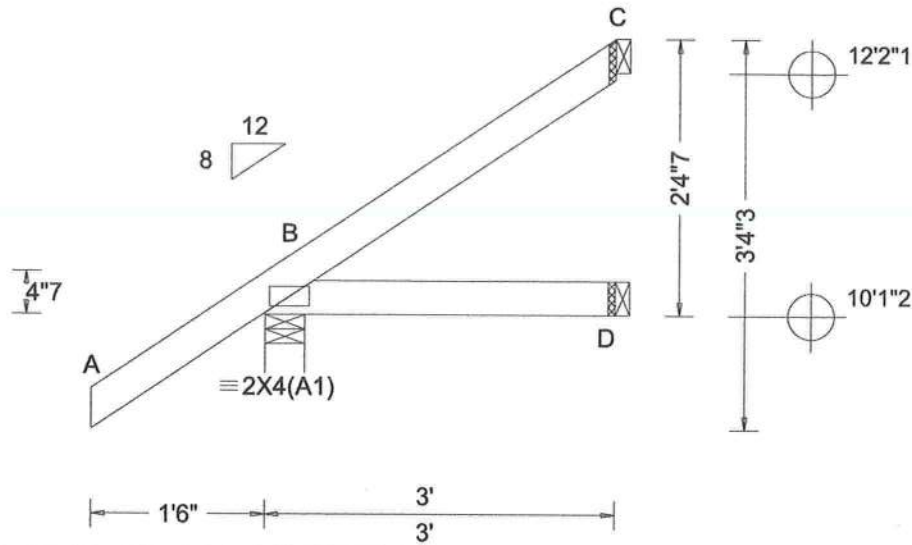
COA #09278

12/05/2024 Florida Certificate of Product Approval #FL 1999

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

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

SEQN: 790070 FROM: SDY	JACK Ply: 1 Qty: 8	Job Number: 24-1548 OLIVIA ADAMS Truss Label: J02	Cust: R 215 JRef: 1Y5J2150001 T17 DrwNo: 340.24.1344.57973 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-22 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 GCp: 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 8th Ed. 2023 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): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.249 Max BC CSI: 0.067 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 268 /- /- /200 /29 /98 D 50 /- /- /32 /- /- C 64 /- /- /43 /43 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Additional Notes

The overall height of this truss excluding overhang is 2-4-7.



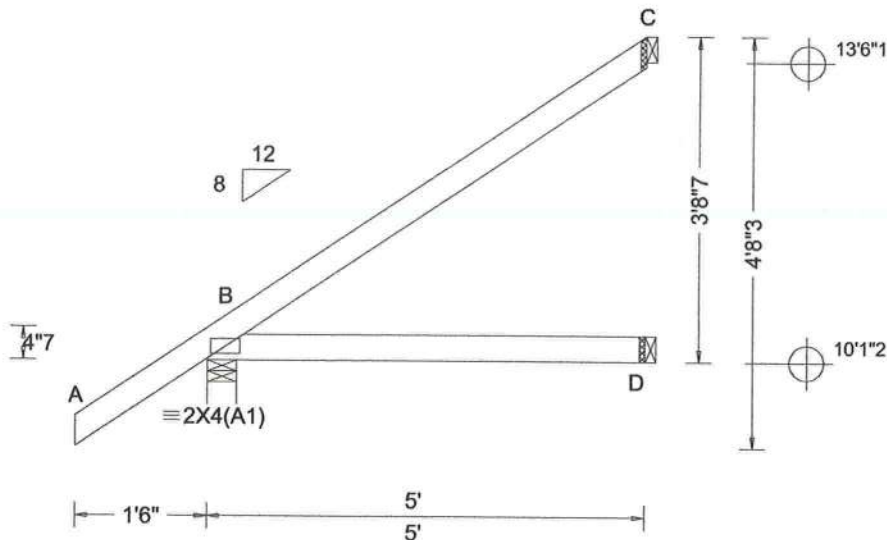
COA #0078

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North Building, 4th Floor
Glenview, IL 60025

SEQN: 790072 FROM: SDY	JACK Qty: 8	Ply: 1 Qty: 8	Job Number: 24-1548 OLIVIA ADAMS Truss Label: J03	Cust: R 215 JRef: 1Y5J2150001 T16 DrwNo: 340.24.1344.59333 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-22 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 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 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): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.421 Max BC CSI: 0.242 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 339 /- /- /240 /23 /145 D 91 /- /- /52 /- /- C 131 /- /- /94 /79 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Additional Notes

The overall height of this truss excluding overhang is 3-8-7.



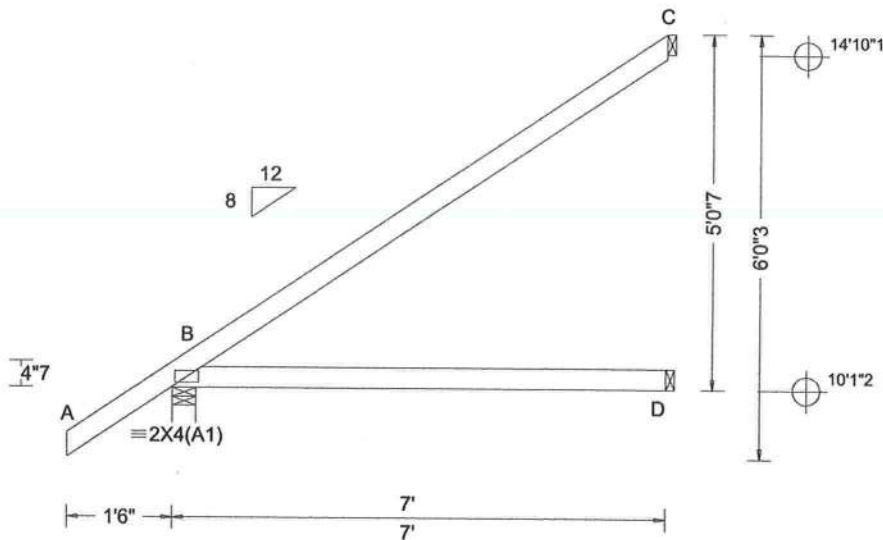
COA #0278

12/05/2024
Florida Certificate of Product Approval #FL 1999

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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 790076 FROM: SDY	EJAC Qty: 12	Ply: 1 Qty: 12	Job Number: 24-1548 OLIVIA ADAMS Truss Label: J04	Cust: R 215 JRef: 1Y5J2150001 T19 DrwNo: 340.24.1345.02933 KD / WHK 12/05/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-22 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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft 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 8th Ed. 2023 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): 0.013 B - - HORZ(TL): 0.027 B - - Creep Factor: 2.0 Max TC CSI: 0.747 Max BC CSI: 0.527 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 417 /- /- /287 /18 /192 D 131 /- /- /75 /- /- C 193 /- /- /140 /114 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Additional Notes

The overall height of this truss excluding overhang is 5-0-7.



COA #09278

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