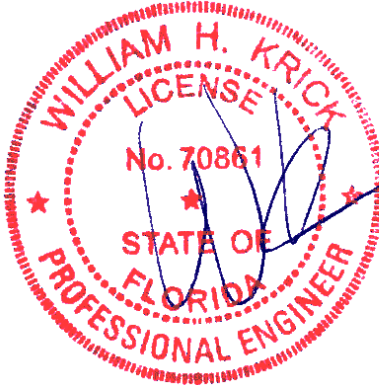




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Phone: (800)755-6001
www.alpineitw.com



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Florida Certificate of Product Approval #FL 1999

10/06/2025

Site Information:	Page 1:
Customer: Seminole Trusses, Inc.	Job Number: B61800a
Job Description: DAVIS RESIDENCE	
Address: 242 SW GOLDBOND AVE, Lake City, FL 32024	

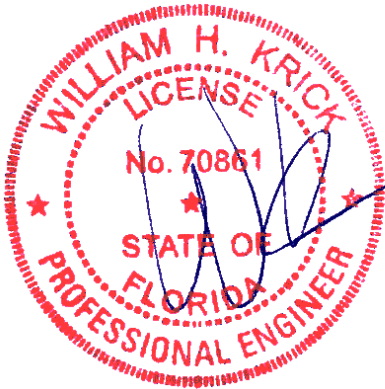
Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 24.02.00C JRef #: 1YdX8570003
Wind Standard: ASCE 7-22 Wind Speed (mph): 120 Building Type: Closed	Design Loading (psf): 37

This package contains general notes pages, 92 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	276.25.1434.24187	A1 32'10" Steppedown Hip	2	276.25.1436.10650	A2 32'10" Steppedown Hip Girder
3	276.25.1437.12730	B1 32'10" Steppedown Hip	4	276.25.1437.16383	B1a 32'10" Steppedown Hip
5	276.25.1437.25260	B2 32'10" Special Girder	6	276.25.1437.38710	C1 32'6" Steppedown Hip Girder
7	276.25.1437.40820	C2 32'6" Steppedown Hip Girder	8	276.25.1437.44187	D1 27'7" Steppedown Hip
9	276.25.1437.48047	D2 27'7" Steppedown Hip Girder	10	276.25.1437.51533	E1 23'10" Steppedown Hip
11	276.25.1437.53423	E1a 24'2" Steppedown Hip	12	276.25.1437.55490	E2 24'2" Steppedown Hip Girder
13	276.25.1438.50243	G1 21'7"8 Steppedown Hip	14	276.25.1438.54390	G1a 21'7"8 Steppedown Hip
15	276.25.1438.59230	G1b 21'7"8 Steppedown Hip	16	276.25.1439.01273	G2 21'7"8 Steppedown Hip Girder
17	276.25.1439.20033	H1 14'10" Common Girder	18	276.25.1439.22943	H2-G 14'10" Gable
19	276.25.1441.17927	K1 14'9"8 Common Girder	20	276.25.1441.19803	K2-G 14'9"8 Gable
21	276.25.1441.21773	L1 12'8" Common	22	276.25.1441.24373	L1a 12'8" Common
23	276.25.1441.26980	L2-G 12'8" Gable	24	276.25.1441.29820	M1 7'6" Mono
25	276.25.1441.31700	M2 7'6" Mono Hip	26	276.25.1441.33943	M3 7'6" Mono Hip Girder
27	276.25.1441.36197	N1 5'3"8 Mono	28	276.25.1441.37827	N2 5'7"8 Mono
29	276.25.1441.39377	N3 5'7"8 Mono Hip Girder	30	276.25.1441.41210	O1 5'7"8 Mono
31	276.25.1441.43320	O2 3'11"8 Mono	32	276.25.1441.45803	O3-G 3'11"8 Gable
33	276.25.1441.47943	PB1 20'10" Common	34	276.25.1442.09233	PB2 20'10" Common
35	276.25.1442.12780	PB3 20'10" Common	36	276.25.1442.15977	PB4 15'6" Common
37	276.25.1442.19430	PB5 15'6" Common	38	276.25.1442.22717	PB6 15'6" Common
39	276.25.1442.25753	PB7 15'6" Common	40	276.25.1442.28470	PB8 10'2" Common
41	276.25.1442.33510	PB9 10'2" Common	42	276.25.1441.58970	PB10 10'2" Common
43	276.25.1442.02707	PB11 6'3"8 Common	44	276.25.1442.06550	PB12 6'3"8 Common
45	276.25.1438.11037	V1 13'11"9 Valley	46	276.25.1438.35247	V2 11'11"9 Valley
47	276.25.1438.36787	V3 9'11"9 Valley	48	276.25.1438.38417	V4 7'11"9 Valley
49	276.25.1438.39857	V5 5'11"9 Valley	50	276.25.1438.41300	V6 3'11"9 Valley



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Site Information:	Page 2:
Customer: Seminole Trusses, Inc.	Job Number: B61800a
Job Description: DAVIS RESIDENCE	
Address: 242 SW GOLDBOND AVE, Lake City, FL 32024	

Item	Drawing Number	Truss
51	276.25.1438.42733	V7 6'11"5 Valley
53	276.25.1438.45927	V9 4'11"5 Valley
55	276.25.1438.14263	V11 2'11"5 Valley
57	276.25.1439.26823	JA 9'10"1 Hip Jack Girder
59	276.25.1439.38453	JC 7' End Jack
61	276.25.1439.42593	JD 4'11"11 Jack
63	276.25.1439.46080	JF 11"11 Jack
65	276.25.1439.49727	JH 7' End Jack
67	276.25.1439.57143	JJ 2'11"11 Jack
69	276.25.1440.02057	JJB 1' End Jack
71	276.25.1440.06003	JL 9'4"6 Hip Jack Girder
73	276.25.1440.16573	JN 6'8" End Jack
75	276.25.1440.20537	JOa 4'7"11 Jack
77	276.25.1440.24857	JPa 2'7"11 Jack
79	276.25.1440.29333	JQa 7'11"7 Hip Jack Girder
81	276.25.1440.38230	JRa 5'8" End Jack
83	276.25.1440.41813	JSa 3'7"11 Jack
85	276.25.1440.54213	JTa 1'7"11 Jack
87	276.25.1440.57300	JV 3' End Jack
89	276.25.1441.02820	JX 5'7"2 Hip Jack Girder
91	276.25.1441.05947	JZ 1'11"11 Jack
93	REPCHRD1014	
95	BRCLBSUB0119	
97	VALTN220723	

Item	Drawing Number	Truss
52	276.25.1438.44340	V8 6'11"1 Valley
54	276.25.1438.12740	V10 4'11"1 Valley
56	276.25.1438.15803	V12 2'11"1 Valley
58	276.25.1439.36813	JB 7' End Jack Girder
60	276.25.1439.40637	JCa 7' End Jack
62	276.25.1439.44320	JE 2'11"11 Jack
64	276.25.1439.47753	JG 9'10"1 Hip Jack Girder
66	276.25.1439.55357	JI 4'11"11 Jack
68	276.25.1440.00510	JJA 2'5"6 Hip Jack Girder
70	276.25.1440.03750	JK 11"11 Jack
72	276.25.1440.14280	JM 6'8" End Jack Girder
74	276.25.1440.18420	JO 4'7"11 Jack
76	276.25.1440.22767	JP 2'7"11 Jack
78	276.25.1440.27237	JQ 7'11"7 Hip Jack Girder
80	276.25.1440.35727	JR 5'8" End Jack
82	276.25.1440.39693	JS 3'7"11 Jack
84	276.25.1440.44267	JT 1'7"11 Jack
86	276.25.1440.55860	JU 4'2"3 Hip Jack Girder
88	276.25.1440.59437	JW 11"11 Jack
90	276.25.1441.04317	JY 4' End Jack
92	276.25.1441.07430	JZa 1'11"11 Jack
94	CNNAILSP1014	
96	VAL180220723	
98	GBLDIAG220923	

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 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

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

- Members:**
 - Top chord: 4X6 (A-B), 1.5X3 (B-C), 5X6 (C-D), 4X6 (D-E), 3X4 (E-F), 3X4 (F-G), 3X4 (G-H).
 - Bottom chord: 3X6 (O), 4X4 (N), 3X4 (M), 3X4 (L), 1.5X3 (B2), 1.5X3 (K), 3X4 (J), 1.5X3 (I), 3X10(E3) (H).
 - Verticals: 1.5X3 (C), 1.5X3 (D), 1.5X3 (I).
 - Diagonals: (a) (A-N), (a) (B-M), (b) (C-L), (b) (D-K), (b) (E-J), (b) (F-I), (b) (G-H).
- Joints:** A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.
- Dimensions:**
 - Overall width: 32'10"
 - Overall height: 9'7"
 - Horizontal spacing: 3'4", 10'3"4, 16'5", 24'2", 28'4"4, 32'10"
 - Vertical spacing: 6'3", 5'8", 1'1"

Lumber	Wind	C - D 350 - 1413 G - H 316 - 1943 D - E 316 - 1335
Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; B2 2x6 SP #1; Webs: 2x4 SP #3; Rt Slider: 2x6 SP #1; block length = 1.833'	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.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. N - M 590 -85 K - J 1505 -281 M - L 1505 -281 J - I 1245 -196 L - M 2466 -1232 I - H 1246 -197
Bracing (a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" oc. (b) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.	Additional Notes WARNING: 20 psf additional bottom chord live load check has been modified WIND LOAD CASE MODIFIED!	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - O 309 -1696 B - M 1354 -276 A - N 1227 -204 C - M 226 -404 N - B 244 -852 J - E 793 -118

Hangers / Ties
(J) Hanger Support Required, by others

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

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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 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 Detail, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

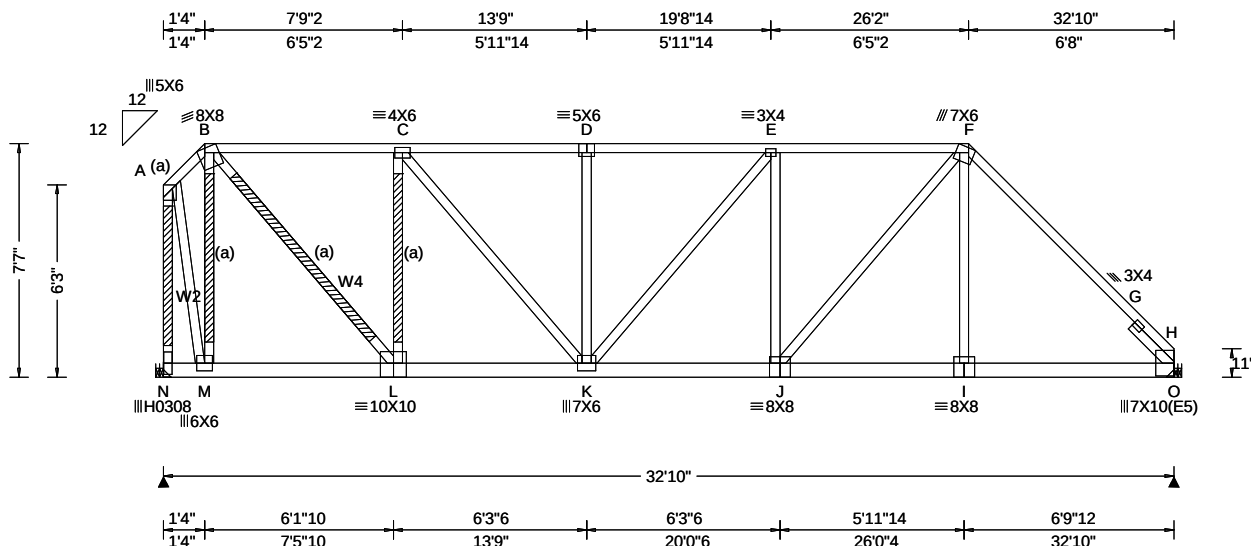
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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



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

SEQN: 66387 FROM: RJL	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: A2 32'10" Stepdown Hip Girder	Cust: R 857 JRef: 1YdX8570003 T62 DrwNo: 276.25.1436.10650 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.83 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.28 ft Loc. from endwall: not in 9.00 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.328 D 999 360 VERT(CL): 0.347 D 999 240 HORZ(LL): 0.091 B - - HORZ(TL): 0.096 B - - Creep Factor: 2.0 Max TC CSI: 0.725 Max BC CSI: 0.997 Max Web CSI: 0.869 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL N 3497 -/- /- /- /714 -/ O 3859 -/- /- /- /990 -/ Wind reactions based on MWFRS N Brg Wid = - Min Req = - O Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 176 -915 E - F 1043 -4188 B - C 727 -3253 F - G 1060 -4220 C - D 1057 -4332 G - H 1067 -4247 D - E 1057 -4332

Lumber Top chord: 2x4 SP #1; Bot chord: 2x6 SP #1; Webs: 2x4 SP #3; W2,W4 2x4 SP #1; Rt Slider: 2x4 SP #3; block length = 1.833' Bracing (a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc. 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 and reactions based on MWFRS. Left end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types. Purlins In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	Special loads -----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 60 plf at 0.00 to 60 plf at 6.70 TC: From 30 plf at 6.70 to 30 plf at 32.83 PLB: From 40 plf at 1.62 to 40 plf at 4.28 PLB: From 20 plf at 7.76 to 20 plf at 10.42 PLB: From 20 plf at 17.08 to 20 plf at 19.74 PLB: From 20 plf at 23.22 to 20 plf at 25.87 PLB: From 20 plf at 26.17 to 20 plf at 29.38 BC: From 20 plf at 0.00 to 20 plf at 6.70 BC: From 10 plf at 6.70 to 10 plf at 32.83 BC: 912 lb Conc. Load at 6.70 BC: 349 lb Conc. Load at 8.73,10.73,12.73,14.73 16.50,18.50,20.50,22.50,24.50,26.50,28.50,30.50 32.50	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. M - L 659 -128 J - I 2932 -737 L - K 3313 -745 I - H 2929 -737 K - J 4201 -1045 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - N 680 -3510 L - C 443 -1492 A - M 2950 -574 C - K 1595 -488 B - M 649 -2675 J - F 1933 -471 B - L 3991 -921 I - F 1309 -340
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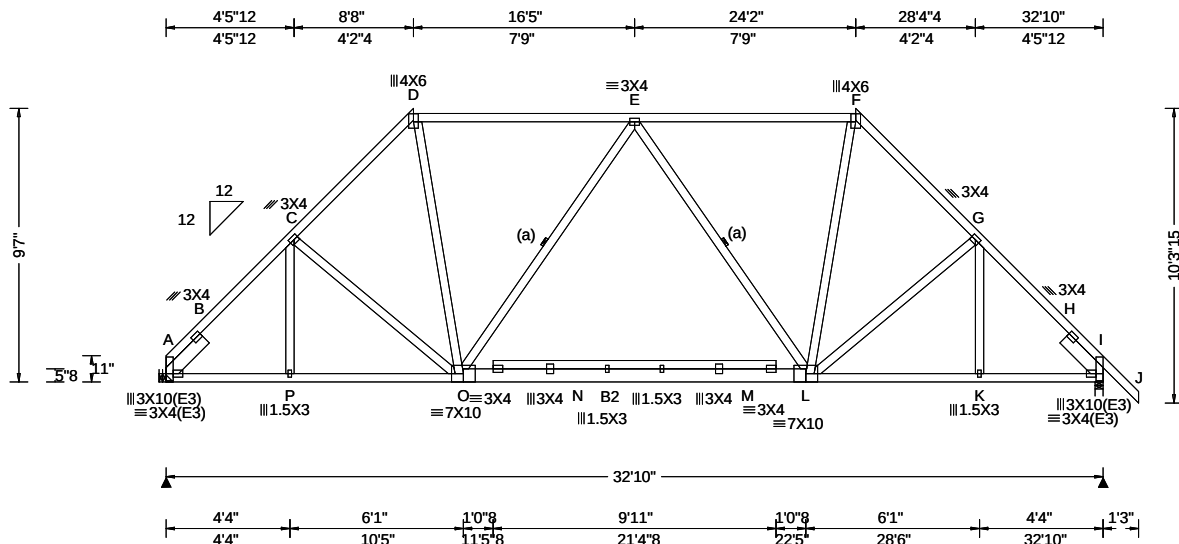
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66341 FROM: RJL	HIPS Qty: 4	Ply: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: B1 32'10" Stepped Hip	Cust: R 857 JRef: 1YdX8570003 T5 DrwNo: 276.25.1437.12730 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 23.21 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.28 ft Loc. from endwall: not in 9.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.198 N 999 360 VERT(CL): 0.342 N 999 240 HORZ(LL): 0.047 H - - HORZ(TL): 0.082 H - - Creep Factor: 2.0 Max TC CSI: 0.602 Max BC CSI: 0.611 Max Web CSI: 0.373 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1548 - / - / - / 666 / 239 / 184 I 1633 - / - / - / 680 / 239 - Wind reactions based on MWFRS A Brg Wid = - Min Req = - I Brg Wid = 3.4 Min Req = 1.9 (Truss) Bearing I 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 316 -1908 E - F 303 -1303 B - C 301 -1851 F - G 341 -1682 C - D 343 -1686 G - H 301 -1844 D - E 304 -1305 H - I 352 -1901

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.833'
Rt Slider: 2x6 SP #1; block length = 1.833'

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3", min.) nails @ 6" oc.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 34.08
BC: From 20 plf at 0.00 to 20 plf at 10.42
BC: From 60 plf at 10.42 to 60 plf at 22.42
BC: From 20 plf at 22.42 to 20 plf at 32.83
BC: From 6 plf at 32.83 to 6 plf at 34.08

Hangers / Ties

(J) Hanger Support Required, by others

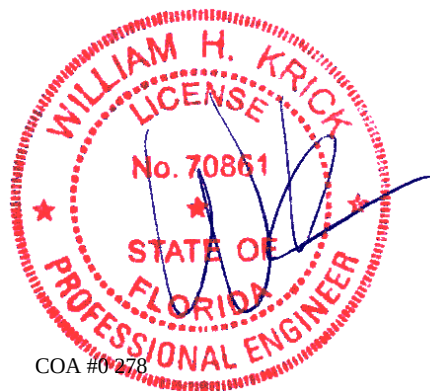
Purlins

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.



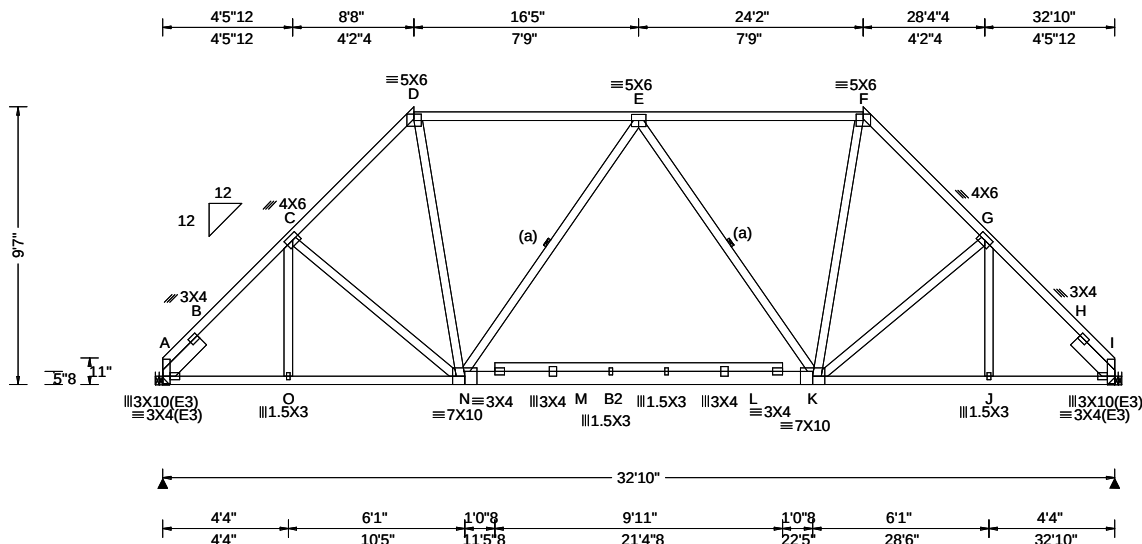
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66343 FROM: RJL	HIPS Ply: 1 Qty: 4	Job Number: B61800a DAVIS RESIDENCE Truss Label: B1a 32'10" Stepped Hip	Cust: R 857 JRef: 1YdX8570003 T75 DrwNo: 276.25.1437.16383 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 23.83 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.28 ft Loc. from endwall: not in 9.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.198 M 999 360 VERT(CL): 0.342 M 999 240 HORZ(LL): 0.043 I - - HORZ(TL): 0.074 I - - Creep Factor: 2.0 Max TC CSI: 0.602 Max BC CSI: 0.612 Max Web CSI: 0.371 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1550 - / - / - / 667 / 239 / 169 I 1550 - / - / - / 667 / 239 / - Wind reactions based on MWFRS A Brg Wid = - Min Req = - I Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 316 - 1910 E - F 309 - 1307 B - C 301 - 1853 F - G 348 - 1688 C - D 348 - 1688 G - H 301 - 1853 D - E 309 - 1307 H - I 316 - 1910

Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; B2 2x6 SP #1; Webs: 2x4 SP #3; Lt Slider: 2x6 SP #1; block length = 1.833' Rt Slider: 2x6 SP #1; block length = 1.833'	WIND LOAD CASE MODIFIED!	Chords Tens.Comp. Chords Tens. Comp. A - O 1225 - 197 L - K 1465 - 285 O - N 1224 - 197 K - J 1224 - 197 N - M 1465 - 285 J - I 1225 - 197 M - N 2510 - 1320

Bracing	Maximum Web Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3", min.) nails @ 6" oc.	Webs Tens.Comp. Webs Tens. Comp. D - N 787 - 123 K - F 787 - 123

Special Loads	Maximum Bot Chord Forces Per Ply (lbs)
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 60 plf at 0.00 to 60 plf at 32.83 BC: From 20 plf at 0.00 to 20 plf at 10.42 BC: From 60 plf at 10.42 to 60 plf at 22.42 BC: From 20 plf at 22.42 to 20 plf at 32.83	Chords Tens.Comp. Chords Tens. Comp. D - N 787 - 123 K - F 787 - 123

Hangers / Ties	Maximum Bot Chord Forces Per Ply (lbs)
(J) Hanger Support Required, by others (H2) = (J) Special hanger required (2)2x8 SP SS Dense supporting member.	Chords Tens.Comp. Chords Tens. Comp. D - N 787 - 123 K - F 787 - 123

Purlins	Maximum Bot Chord Forces Per Ply (lbs)
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	Chords Tens.Comp. Chords Tens. Comp. D - N 787 - 123 K - F 787 - 123

Wind	Maximum Bot Chord Forces Per Ply (lbs)
Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types.	Chords Tens.Comp. Chords Tens. Comp. D - N 787 - 123 K - F 787 - 123

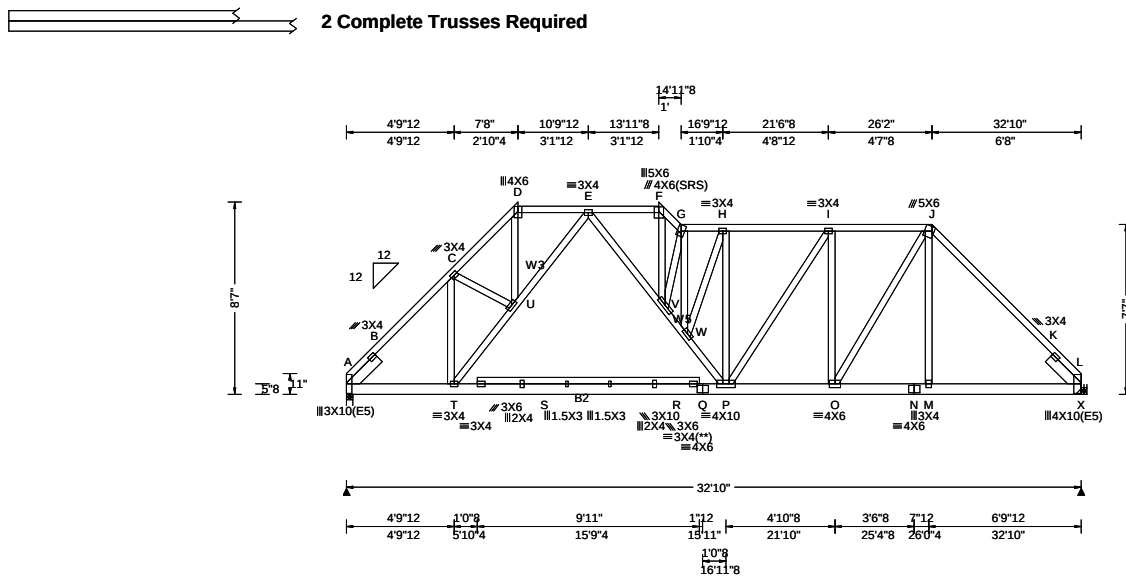


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SEQN: 66378	SPEC	Ply: 2	Job Number: B61800a	Cust: R 857	JRef: 1YdX8570003	T69
FROM: RJL		Qty: 1	DAVIS RESIDENCE	DrwNo: 276.25.1437.25260		
			Truss Label: B2 32"10" Special Girder	GA / FV	10/03/2025	



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: 7.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.192 S 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.210 S 999 240	A 2505 /- /- /- /503 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.048 D - -	X 4072 /- /- /- /946 /-
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.053 D - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 23.33 ft	Building Code:	Creep Factor: 2.0	A Brg Wid = 3.4 Min Req = 1.5 (Truss)
Soffit: 2.00	TCDL: 4.2 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.210	X Brg Wid = - Min Req = -
Load Duration: 1.25	BCDL: 5.2 psf	TPI Std: 2014	Max BC CSI: 0.502	Bearing A is a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.578	Members not listed have forces less than 375#
	C&C Dist a: 3.28 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: 24.02.00C.1213.15	A - B 353 -1642 G - H 444 -2087
	Wind Duration: 1.60			D - E 353 -1642

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1; B2 2x4 SP #1;
Webs: 2x4 SP #3; W3,W5 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'
Rt Slider: 2x6 SP #1; block length = 1.833'

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 10.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	60 plf at	0.00 to	60 plf at	21.69
TC: From	30 plf at	21.69 to	30 plf at	32.83
BC: From	20 plf at	0.00 to	20 plf at	4.81
BC: From	60 plf at	4.81 to	60 plf at	16.81
BC: From	20 plf at	16.81 to	20 plf at	21.69
BC: From	10 plf at	21.69 to	10 plf at	32.83
PLB: From	20 plf at	26.17 to	20 plf at	29.38
BC: 1764 lb Conc. Load at	21.69			
BC: 349 lb Conc. Load at	22.50,24.50,26.50,28.50			
30.50,32.50				

Plating Notes

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

Hangars / Ties

(J) Hanger Support Required, by others

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

WARNING: 20 psf additional bottom chord live load check has been modified

WIND LOAD CASE MODIFIED!

COA #0 278

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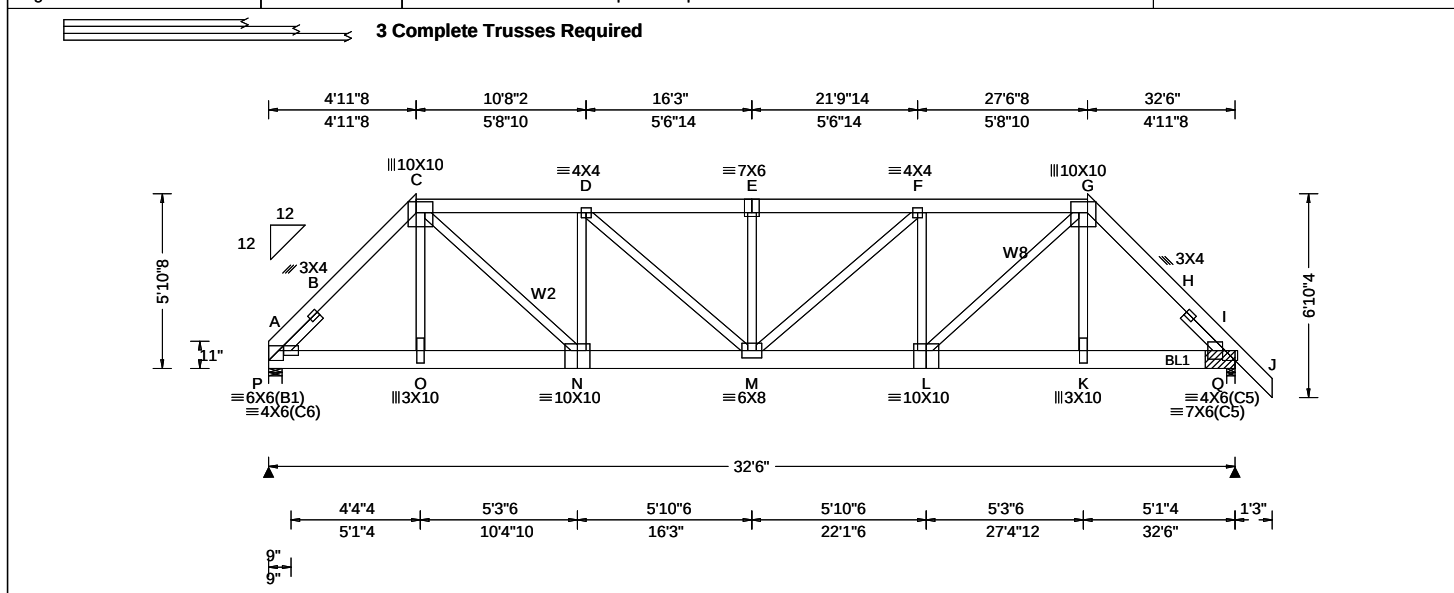
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The design of this structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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



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: 7.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): 0.209 E 999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.385 E 995 240	P	13336	/-	/-	/-	/2010	/-	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.059 C - -	Q	11949	/-	/-	/-	/1777	/-	
Des Ld: 37.00	EXP: B Kzt: NA		HORZ(TL): 0.109 C - -	Wind reactions based on MWFRS							
NCBCLL: 0.00	Mean Height: 21.35 ft	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	P Brg Wid = 5.4 Min Req = 4.5 (Truss)							
Soffit: 2.00	TCDL: 4.2 psf		Max TC CSI: 0.466	Q Brg Wid = 3.4 Min Req = -							
Load Duration: 1.25	BCDL: 5.2 psf		Max BC CSI: 0.508	Bearings P & Q are a rigid surface.							
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.608	Members not listed have forces less than 375#							
	C&C Dist a: 3.25 ft			Maximum Top Chord Forces Per Ply (lbs)							
	Loc. from endwall: not in 4.50 ft			Chords		Tens.Comp.		Chords		Tens. Comp.	
	GCpi: 0.18		VIEW Ver: 24.02.00C.1213.15	A - B		577 -3859		E - F		1104 -7352	
	Wind Duration: 1.60			B - C		795 -5261		F - G		983 -6491	
				C - D		956 -6345		G - H		802 -5239	
				D - E		1104 -7352		H - I		808 -5265	

Lumber Top chord: 2x6 SP #1; Bot chord: 2x8 SP SS Dense; Webs: 2x4 SP #3; W2,W8 2x4 SP #1; Lt Slider: 2x4 SP #3; block length = 1.833' Rt Slider: 2x4 SP #3; block length = 1.833'	Wind Wind loads and reactions based on MWFRS. Wind loading based on both gable and hip roof types.
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Nailnote Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 4.00" 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.	Bearing Block(s) Brg blocks:0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 32.219' 1 12" 16 Rigid Surface Brg block to be same size and species as chord. Refer to drawing CNNAILSP1014 for more information.
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Special Loads ----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 60 plf at 0.00 to 60 plf at 33.75 BC: From 10 plf at 0.00 to 10 plf at 29.77 BC: From 20 plf at 29.77 to 20 plf at 32.50 BC: From 6 plf at 32.50 to 6 plf at 33.75 BC: 1550 lb Conc. Load at 1.85, 3.85, 5.85, 7.85 BC: 1548 lb Conc. Load at 9.85,11.85,13.77,15.77 BC: 1681 lb Conc. Load at 17.77,19.77,21.77,23.77 BC: 3497 lb Conc. Load at 25.77 BC: 185 lb Conc. Load at 27.77 BC: 105 lb Conc. Load at 29.77	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - O 3660 -552 M - L 6542 -991 O - N 3677 -554 L - K 3610 -551 N - M 6403 -966 K - I 3582 -548
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Purlins In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - B 224 -1435 M - F 1105 -155 C - O 1158 -167 F - L 139 -912 C - N 3697 -557 L - G 3992 -599 N - D 164 -1049 K - G 977 -150 D - M 1294 -189
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SEQN: 66401	HIPS	Ply: 3	Job Number: B61800a	Cust: R 857 JRef: 1YdX8570003 T14
FROM: RJL		Qty: 1	DAVIS RESIDENCE	DrwNo: 276.25.1437.38710
Page 2 of 2			Truss Label: C1 32"6" Steppedown Hip Girder	GA / FV 10/03/2025

Blocking

Apply additional nailing over the following bearings with fasteners at 9" oc perpendicular to grain and 4" oc parallel to grain. In lieu of additional nailing, apply blocking reinforcement to prevent buckling of members over the bearings:
 Bearing 1 located at 0.0' (blocking >= 3.50" if used)
 Bearing 2 located at 32.2' (blocking >= 3.50" if used)



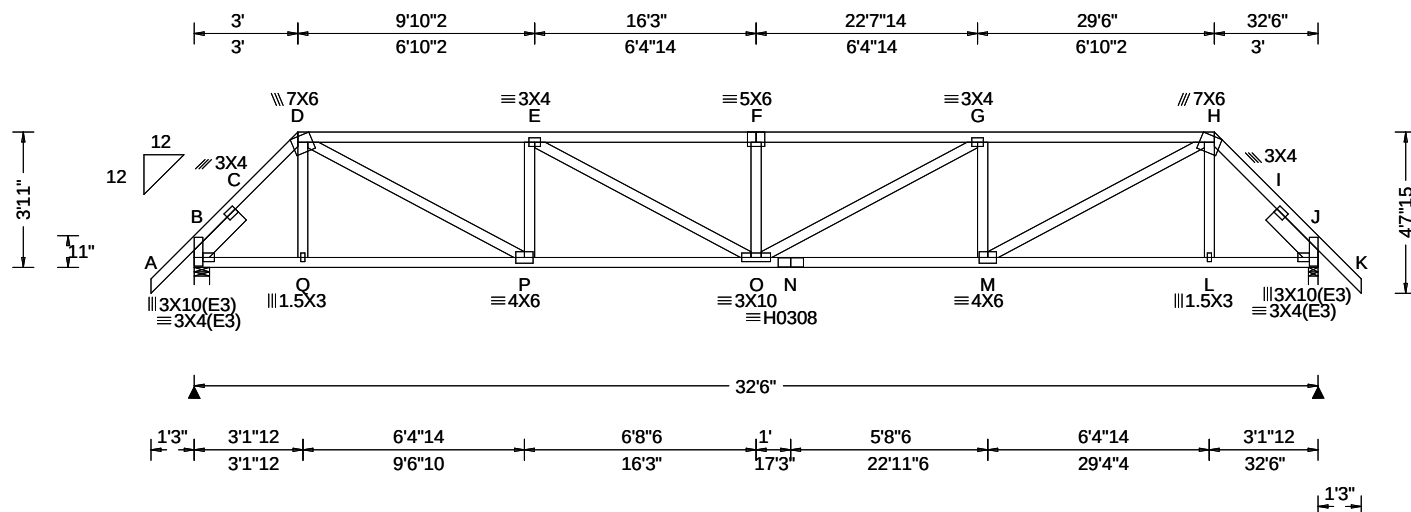
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SEQN: 66249 FROM: RJL	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: C2 32'6" Stepped Hip Girder	Cust: R 857 JRef: 1YdX8570003 T39 DrwNo: 276.25.1437.40820 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.38 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.25 ft Loc. from endwall: NA 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.186 F 999 360 VERT(CL): 0.377 F 999 240 HORZ(LL): 0.045 D - - HORZ(TL): 0.091 D - - Creep Factor: 2.0 Max TC CSI: 0.615 Max BC CSI: 0.546 Max Web CSI: 0.677 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1492 -/- /- /- /24 -/ J 1497 -/- /- /- /25 -/ Wind reactions based on MWFRS B Brg Wid = 5.4 Min Req = 1.8 (Truss) J Brg Wid = 3.4 Min Req = 1.8 (Truss) Bearings B & 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.

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.833'
Rt Slider: 2x6 SP #1; block length = 1.833'

Loading

#1 hip supports 3-0-0 jacks with no webs.

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.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	1106 -4	N - M	2724 -15
Q - P	1108 0	M - L	1113 -1
P - O	2722 -15	L - J	1110 -5
O - N	2724 -15		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - P	1777 -9	O - G	530 0
P - E	87 -699	G - M	87 -697
E - O	533 0	M - H	1774 -8



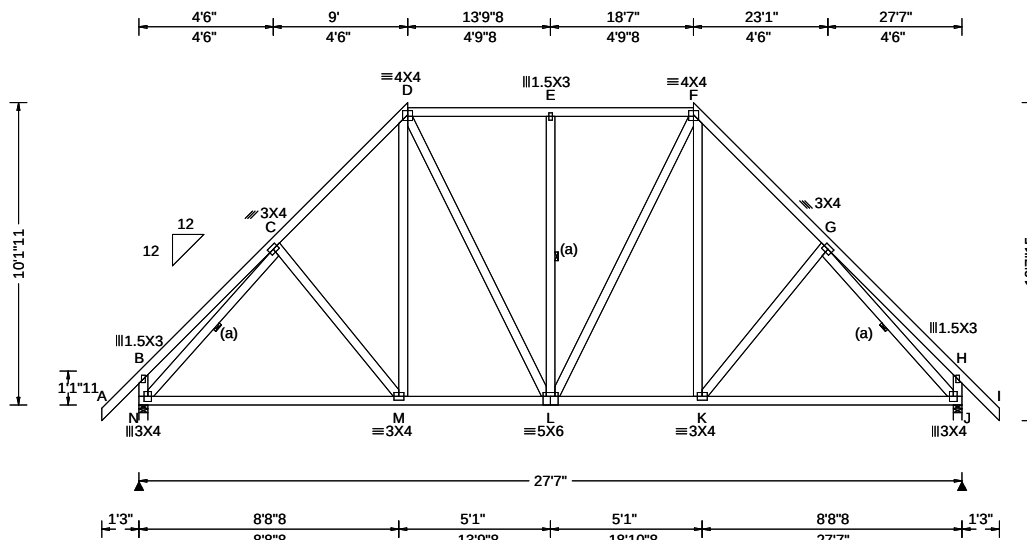
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10/06/2025
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Glenview, IL 60025

SEQN: 66247 FROM: RJL	HIPS Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: D1 277" Stepped Hip	Cust: R 857 JRef: 1YdX8570003 T27 DrwNo: 276.25.1437.44187 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.040 E 999 360 VERT(CL): 0.069 E 999 240 HORZ(LL): 0.028 H - - HORZ(TL): 0.049 H - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.593 Max Web CSI: 0.728 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL N 1375 - / - / 581 - / 167 J 1375 - / - / 581 - / - Wind reactions based on MWFRS N Brg Wid = 3.5 Min Req = 1.6 (Truss) J Brg Wid = 3.5 Min Req = 1.6 (Truss) Bearings N & 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. C - D 223 - 1308 E - F 228 - 953 D - E 228 - 953 F - G 223 - 1308

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" oc.

Loading

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

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.

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



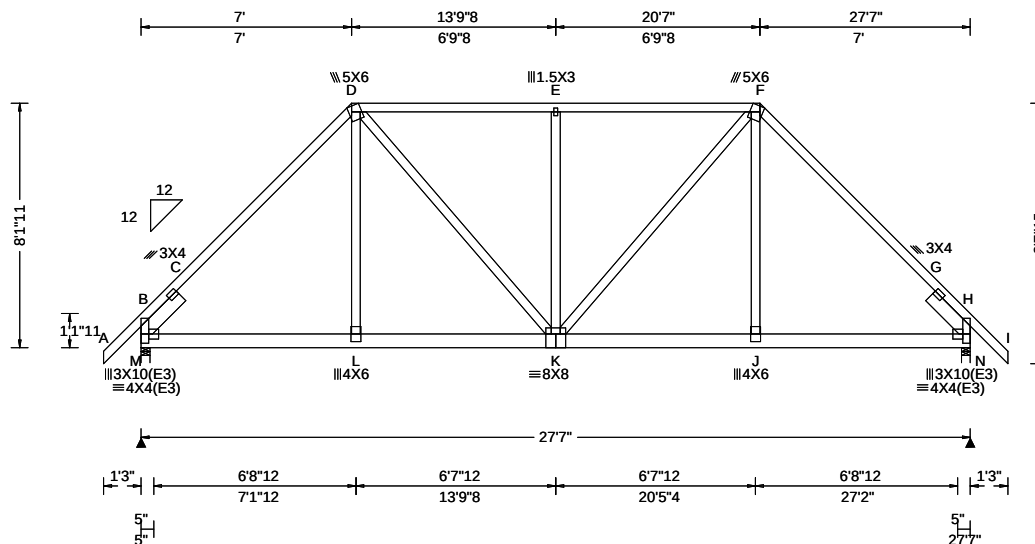
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SEQN: 66235 FROM: RJL	HIPS Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: D2 27'7" Stepdown Hip Girder	Cust: R 857 JRef: 1YdX8570003 T36 DrwNo: 276.25.1437.48047 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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): 0.078 E 999 360 VERT(CL): 0.154 E 999 240 HORZ(LL): 0.045 G - - HORZ(TL): 0.090 G - - Creep Factor: 2.0 Max TC CSI: 0.612 Max BC CSI: 0.622 Max Web CSI: 0.362 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M 2281 - / - / - / 47 - / - N 2281 - / - / - / 47 - / - Wind reactions based on MWFRS M Brg Wid = 3.5 Min Req = 2.7 (Truss) N Brg Wid = 3.5 Min Req = 2.7 (Truss) Bearings M & N 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 2 -2745 E - F 0 -2319 C - D 0 -2682 F - G 0 -2682 D - E 0 -2319 G - H 2 -2745

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.833'
Rt Slider: 2x6 SP #1; block length = 1.833'

Loading

#1 hip supports 7-0-0 jacks to BC.

Purlins

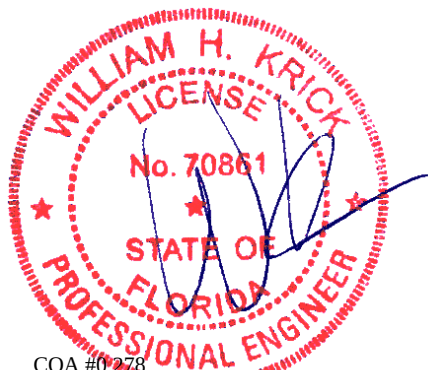
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

Blocking

Blocking reinforcement required to
prevent buckling of members over the bearings:
Bearing 1 located at 0.0' (blocking >= 5.50" if used)
Bearing 2 located at 27.3' (blocking >= 5.50" if used)



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

- Members:**
 - Top chord: 3x6 (D, F), 3x10 (E), 4x10 (H)
 - Bottom chord: 3x4 (P, N, B2, M, L, K, J), 7x10 (O), 1.5x3 (I)
 - Verticals: 5x6 (C, G), 4x6 (B)
 - Diagonals: 4x6 (A), 3x4 (W1), 1.5x3 (I)
- Joints:** A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P.
- Dimensions:**
 - Overall height: 9'10 1/8"
 - Overall width: 23'10"
 - Horizontal segments (top): 6'1" (61"), 12'1" (51"), 17'2" (51"), 18'1" (11"), 23'2 1/2" (51 1/2"), 23'8 3/8" (51 1/2")
 - Horizontal segments (bottom): 1'3" (61"), 1'0 7/8" (71 3/8"), 9'11" (170 7/8"), 1'0 7/8" (181"), 5'1 1/2" (232 1/2")
 - Vertical segments: 2'10 1/8" (25 1/2"), 1'4"
- Notes:**
 - (a) indicates a specific section or detail.
 - W1 is a wall plate.
 - B2 is a bearing stiffener.

Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)			
Top chord: 2x4 SP #1; Bot chord: 2x4 SP #1; B2 2x6 SP #1; Webs: 2x4 SP #3; W1 2x6 SP #1; Rt Bearing Leg: 2x6 SP #1;	WIND LOAD CASE MODIFIED!	Chords	Tens.Comp.	Chords	Tens. Comp.
		O - N	718 - 108	M - L	718 - 108
		N - O	1743 - 1097		

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	60 plf at	-1.25 to	60 plf at	23.83
BC: From	6 plf at	-1.25 to	6 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	6.08
BC: From	60 plf at	6.08 to	60 plf at	18.08
BC: From	20 plf at	18.08 to	20 plf at	23.71

Wind
Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

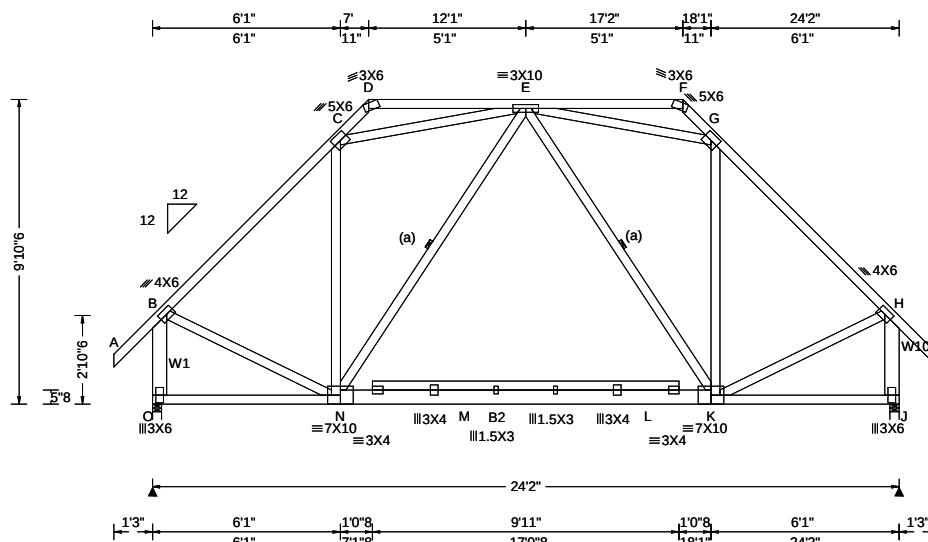
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 FLORIDA
 PROFESSIONAL ENGINEER

COA #0278

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North Building, 4th Floor
Glenview, IL 60025

SEQN: 66143 FROM: RJL	HIPS Qty: 2	Ply: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: E1a 24'2" Stepped Hip	Cust: R 857 JRef: 1YdX8570003 T46 DrwNo: 276.25.1437.53423 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.146 M 999 360 VERT(CL): 0.242 M 999 240 HORZ(LL): 0.015 J - - HORZ(TL): 0.025 J - - Creep Factor: 2.0 Max TC CSI: 0.292 Max BC CSI: 0.512 Max Web CSI: 0.483 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL O 1286 /- /- /492 /110 /211 J 1286 /- /- /492 /110 /- Wind reactions based on MWFRS O Brg Wid = 3.5 Min Req = 1.5 (Truss) J Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings O & 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. B - C 194 -1137 G - H 192 -1137

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x6 SP #1;
Webs: 2x4 SP #3; W1,W10 2x6 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 2x4 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at -1.25 to 60 plf at 25.42
BC: From 6 plf at -1.25 to 6 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 6.08
BC: From 60 plf at 6.08 to 60 plf at 18.08
BC: From 20 plf at 18.08 to 20 plf at 24.17
BC: From 6 plf at 24.17 to 6 plf at 25.42

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.

End verticals exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

Additional Notes

WIND LOAD CASE MODIFIED!



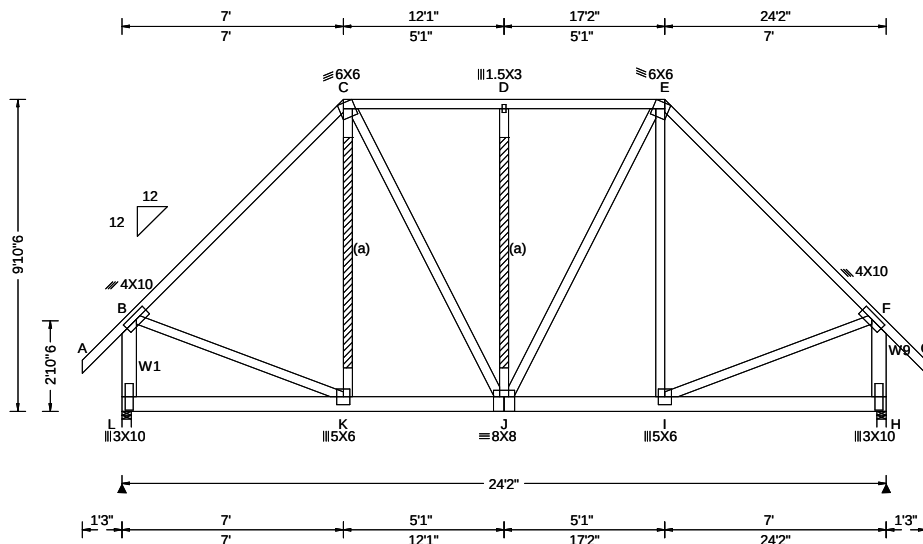
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Glenview, IL 60025

SEQN: 66197 FROM: RJL	HIPS Qty: 1	Ply: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: E2 24'2" Stepped Hip Girder	Cust: R 857 JRef: 1YdX8570003 T8 DrwNo: 276.25.1437.55490 GA / FV 10/03/2025
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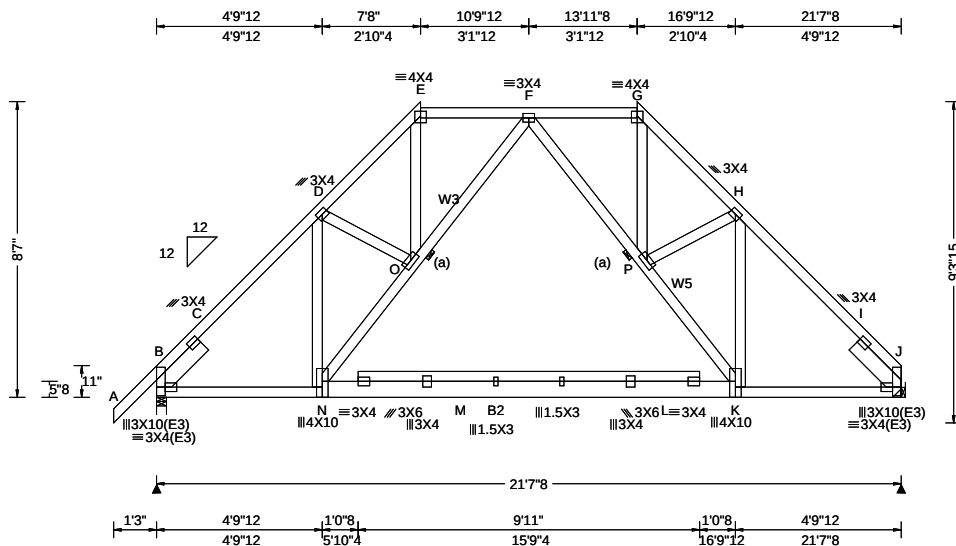
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.083 D 999 360 VERT(CL): 0.090 D 999 240 HORZ(LL): 0.015 C - - HORZ(TL): 0.016 C - - Creep Factor: 2.0 Max TC CSI: 0.866 Max BC CSI: 0.570 Max Web CSI: 0.610 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL L 1980 - / - / - /146 - / - H 2434 - / - / - /242 - / - Non-Gravity Wind reactions based on MWFRS L Brg Wid = 3.5 Min Req = 2.3 (Truss) H Brg Wid = 3.5 Min Req = 2.9 (Truss) Bearings L & H 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 175 -1873 D - E 199 -1807 C - D 199 -1808 E - F 288 -2381

Lumber	Purlins	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #1; Bot chord: 2x6 SP #1; Webs: 2x4 SP #3; W1, W9 2x6 SP #1;	In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	Chords Tens.Comp. Chords Tens. Comp. K - J 1220 -52 J - I 1575 -132
Bracing	Wind	Maximum Web Forces Per Ply (lbs)
(a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" oc.	Wind loads and reactions based on MWFRS. End verticals exposed to wind pressure. Deflection meets L/360. Wind loading based on both gable and hip roof types.	Webs Tens.Comp. Webs Tens. Comp. B - L 177 -1911 E - I 826 -115 B - K 1221 -74 I - F 1601 -160 C - J 1240 -194 F - H 285 -2398 J - E 489 -26
Special Loads		
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 60 plf at -1.25 to 60 plf at 12.73 TC: From 30 plf at 12.73 to 30 plf at 17.17 TC: From 60 plf at 17.17 to 60 plf at 25.42 BC: From 6 plf at -1.25 to 6 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at 12.08 BC: From 10 plf at 12.08 to 10 plf at 17.14 BC: From 20 plf at 17.14 to 20 plf at 24.17 BC: From 6 plf at 24.17 to 6 plf at 25.42 PLB: From 40 plf at 7.29 to 40 plf at 9.99 PLB: From 20 plf at 14.18 to 20 plf at 16.88 BC: 900 lb Conc. Load at 12.73 BC: 283 lb Conc. Load at 13.10 BC: 275 lb Conc. Load at 15.10 BC: 886 lb Conc. Load at 17.14		

Loading	Professional Engineer Seal
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.	WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER COA #0278 10/06/2025 Florida Certificate of Product Approval #FL 1999

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SEQN: 66282 FROM: RJL	HIPS Qty: 3	Ply: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: G1 21'7"8 Stepdwn Hip	Cust: R 857 JRef: 1YdX8570003 T19 DrwNo: 276.25.1438.50243 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.71 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.152 M 999 360 VERT(CL): 0.249 M 999 240 HORZ(LL): 0.024 J - - HORZ(TL): 0.039 J - - Creep Factor: 2.0 Max TC CSI: 0.196 Max BC CSI: 0.508 Max Web CSI: 0.174 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1187 - / - / - / 459 / 232 / 162 J 1100 - / - / - / 445 / 215 / - Wind reactions based on MWFRS B Brg Wid = 3.4 Min Req = 1.5 (Truss) J Brg Wid = - 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. Chords Tens. Comp. B - C 347 -1367 F - G 184 -620 C - D 292 -1311 G - H 234 -950 D - E 233 -941 H - I 293 -1316 E - F 183 -616 I - J 309 -1373

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x6 SP #1;
Webs: 2x4 SP #3; W3, W5 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'
Rt Slider: 2x6 SP #1; block length = 1.833'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at -1.25 to 60 plf at 21.62
BC: From 6 plf at -1.25 to 6 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 4.81
BC: From 60 plf at 4.81 to 60 plf at 16.81
BC: From 20 plf at 16.81 to 20 plf at 21.62

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

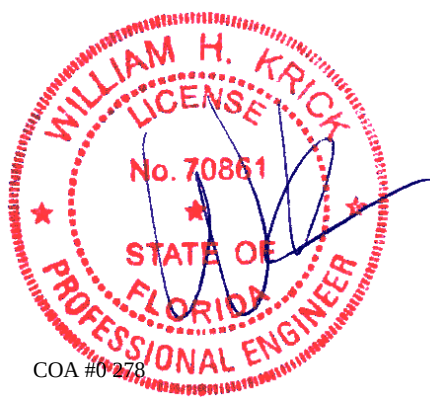
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

WIND LOAD CASE MODIFIED!



COA #0278

10/06/2025
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North Building, 4th Floor
Glenview, IL 60025

The diagram illustrates a roof truss system with the following components and dimensions:

- Members:**
 - Top Chords: $\equiv 4 \times 4$ (E, F, G), $\equiv 3 \times 4$ (D, H), $\equiv 3 \times 4$ (C, I)
 - Bottom Chords: $\equiv 3 \times 10$ (E3), $\equiv 3 \times 4$ (N, M, K), $\equiv 3 \times 4$ (E3)
 - Verticals: $\equiv 3 \times 4$ (B, J), $\equiv 3 \times 4$ (D, H), $\equiv 3 \times 4$ (C, I)
 - Diagonals: $\equiv 3 \times 6$ (W3, W5), $\equiv 3 \times 4$ (Q, P)
 - Other: $\equiv 3 \times 10$ (E3), $\equiv 3 \times 4$ (E3), $\equiv 3 \times 4$ (E3), $\equiv 3 \times 4$ (E3)
- Joints:** A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.
- Dimensions:**
 - Overall Width: $21'7''$
 - Overall Height: $9'3''$
 - Horizontal Spacing: $4'9''$, $7'8''$, $10'9''$, $13'11''$, $16'9''$, $21'7''$
 - Vertical Spacing: $5'8''$, $11''$
 - Angle: $12/12$

Lumber	C - D	292	- 1311	G - H	234	- 950
Top chord: 2x4 SP #1;	D - E	233	- 941	H - I	293	- 1316
Bot chord: 2x4 SP #1; B2 2x6 SP #1;	E - F	183	- 616	I - J	309	- 1373
Webbs: 2x4 SP #3; W3,W5 2x4 SP #1;						
Lt Slider: 2x6 SP #1; block length = 1.833'						
Rt Slider: 2x6 SP #1; block length = 1.833'						
	Maximum Bot Chord Forces Per Ply (lbs)					
	Chords	Tens.Comp.		Chords	Tens. Comp.	

(a) Continuous lateral restraint equally spaced on member

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	60 plf at	-1.25 to	60 plf at	21.62
BC: From	6 plf at	-1.25 to	6 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	4.81
BC: From	60 plf at	4.81 to	60 plf at	16.81
BC: From	20 plf at	16.81 to	20 plf at	21.62

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

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

Wind loading based on both gable and hip roof types.

WIND LOAD CASE MODIFIED!

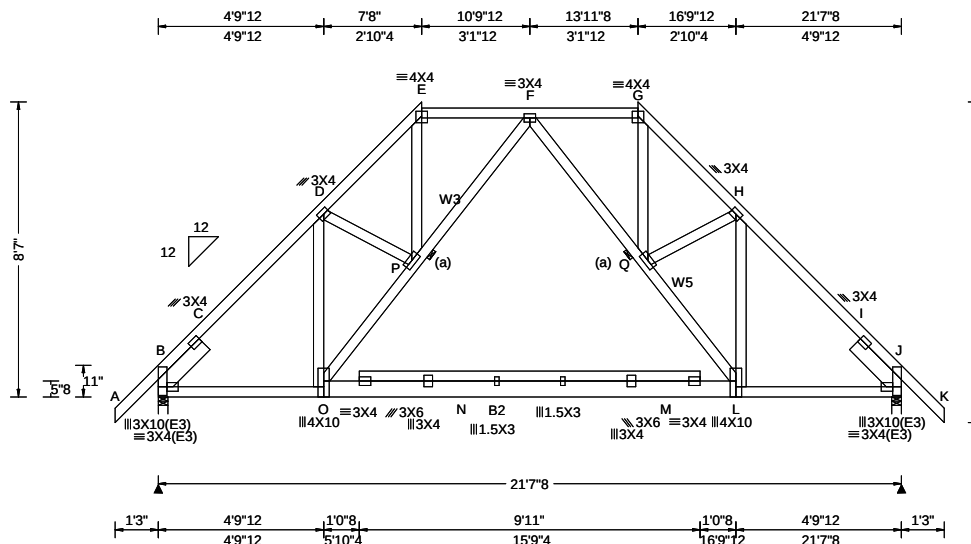
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SEQN: 66286 FROM: RJL	HIPS Ply: 1 Qty: 3	Job Number: B61800a DAVIS RESIDENCE Truss Label: G1b 21'7"8 Stepdown Hip	Cust: R 857 JRef: 1YdX8570003 T54 DrwNo: 276.25.1438.59230 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.71 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.153 N 999 360 VERT(CL): 0.250 N 999 240 HORZ(LL): 0.025 I - - HORZ(TL): 0.041 I - - Creep Factor: 2.0 Max TC CSI: 0.195 Max BC CSI: 0.508 Max Web CSI: 0.169 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1185 - / - / - / 459 / 232 / 150 J 1185 - / - / - / 459 / 215 / - Wind reactions based on MWFRS B Brg Wid = 3.4 Min Req = 1.5 (Truss) J Brg Wid = 3.4 Min Req = 1.5 (Truss) Bearings B & 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. B - C 347 -1364 F - G 183 -615 C - D 292 -1308 G - H 233 -939 D - E 233 -939 H - I 293 -1308 E - F 183 -615 I - J 355 -1364

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1; B2 2x6 SP #1;
Webs: 2x4 SP #3; W3, W5 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'
Rt Slider: 2x6 SP #1; block length = 1.833'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at -1.25 to 60 plf at 22.87
BC: From 6 plf at -1.25 to 6 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 4.81
BC: From 60 plf at 4.81 to 60 plf at 16.81
BC: From 20 plf at 16.81 to 20 plf at 21.62
BC: From 6 plf at 21.62 to 6 plf at 22.87

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

WIND LOAD CASE MODIFIED!



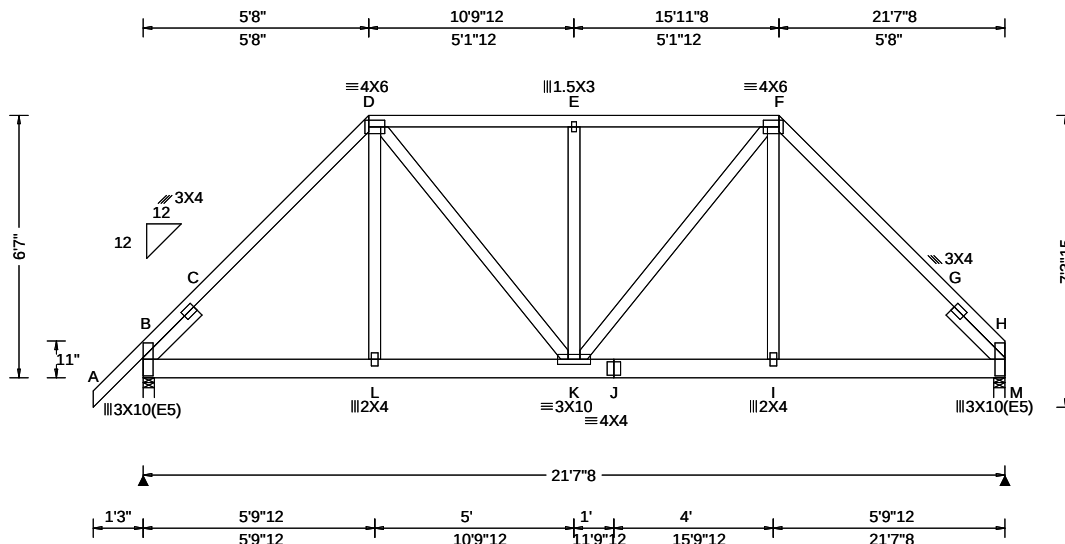
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 66441 FROM: RJL	HIPS Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: G2 21'7"8 Stepped Hip Girder	Cust: R 857 JRef: 1YdX8570003 T25 DrwNo: 276.25.1439.01273 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 21.71 ft TCDL: 4.2 psf BCDL: 5.2 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): 0.034 E 999 360 VERT(CL): 0.068 E 999 240 HORZ(LL): 0.021 C - - HORZ(TL): 0.042 C - - Creep Factor: 2.0 Max TC CSI: 0.456 Max BC CSI: 0.220 Max Web CSI: 0.410 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1562 -/- /- /- /83 -/- M 1477 -/- /- /- /65 -/- Wind reactions based on MWFRS B Brg Wid = 3.4 Min Req = 1.8 (Truss) M Brg Wid = 3.4 Min Req = 1.7 (Truss) Bearings B & M 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 128 -1818 E - F 64 -1493 C - D 87 -1763 F - G 89 -1769 D - E 64 -1493 G - H 147 -1824

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.833'
Rt Slider: 2x4 SP #3; block length = 1.833'

Loading

#1 hip supports 5-8-0 jacks with no webs.

Purlins

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

Wind

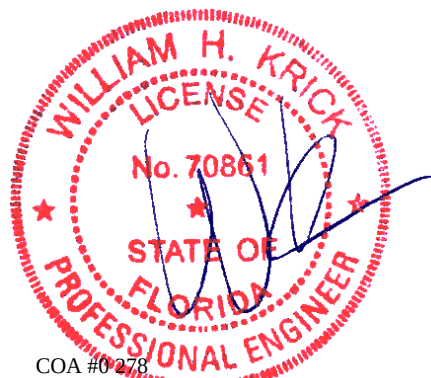
Wind loads and reactions based on MWFRS.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - L	1178 -51	J - I	1193 -50
L - K	1185 -48	I - H	1185 -52
K - J	1193 -50		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
D - L	420 0	K - F	466 -22
D - K	478 -24	I - F	428 0
E - K	137 -560		



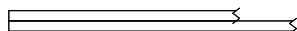
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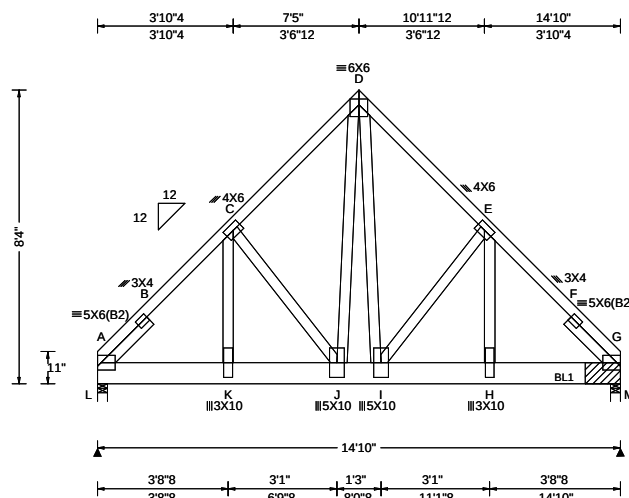
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66382 FROM: RJL	COMN Ply: 2 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: H1 14'10" Common Girder	Cust: R 857 JRef: 1YdX8570003 T55 DrwNo: 276.25.1439.20033 GA / FV 10/03/2025
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 23.21 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.041 J 999 360 VERT(CL): 0.077 J 999 240 HORZ(LL): 0.018 C - - HORZ(TL): 0.032 C - - Creep Factor: 2.0 Max TC CSI: 0.210 Max BC CSI: 0.248 Max Web CSI: 0.641 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL L 4044 /- /- /- /760 /- M 7331 /- /- /- /1266 /- Wind reactions based on MWFRS L Brg Wid = 3.4 Min Req = 2.0 (Truss) M Brg Wid = 3.4 Min Req = - Bearings L & M 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 476 -2451 D - E 472 -2446 B - C 467 -2419 E - F 568 -3131 C - D 481 -2456 F - G 576 -3163

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x8 SP SS Dense;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.833'
Rt Slider: 2x4 SP #3; block length = 1.833'

Nailnote
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Blocking
Apply additional nailing over the following bearings with fasteners at 9" oc perpendicular to grain and 4" oc parallel to grain. In lieu of additional nailing, apply blocking reinforcement to prevent buckling of members over the bearings:
Bearing 1 located at 0.0' (blocking >= 3.50" if used)
Bearing 2 located at 14.6' (blocking >= 3.50" if used)

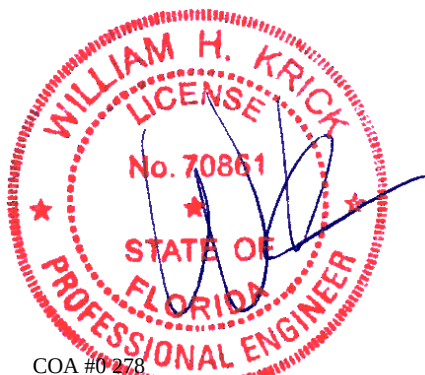
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - K	1659 -320	I - H	2130 -386
K - J	1650 -318	H - G	2173 -392
J - I	1587 -307		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
J - D	1682 -356	I - E	98 -704
D - I	1606 -270	E - H	1036 -135

Special Loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 14.83
BC: From 20 plf at 0.00 to 20 plf at 6.79
BC: From 10 plf at 6.79 to 10 plf at 14.83
BC: 4072 lb Conc. Load at 6.79
BC: 1550 lb Conc. Load at 8.73,10.73,12.73,14.73

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 14.552' 1 12" 6 Rigid Surface
Brg block to be same size and species as chord.
Refer to drawing CENAILSP1014 for more information.



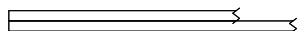
COA #0278

10/06/2023
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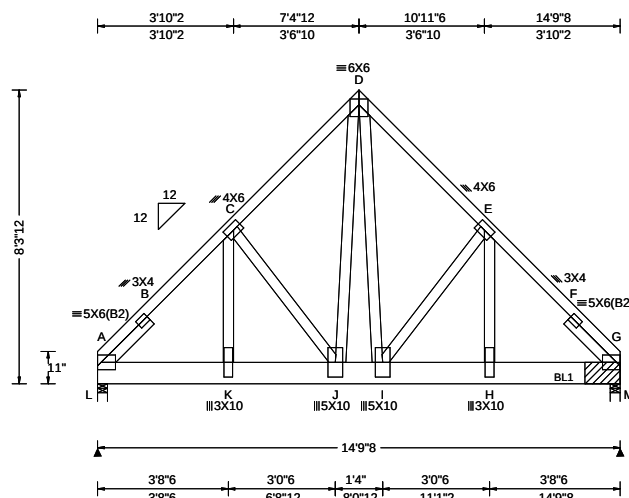
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66395 FROM: RJL	COMN Ply: 2 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: K1 14'9"8 Common Girder	Cust: R 857 JRef: 1YdX8570003 T56 DrwNo: 276.25.1441.17927 GA / FV 10/03/2025
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2 Complete Trusses Required



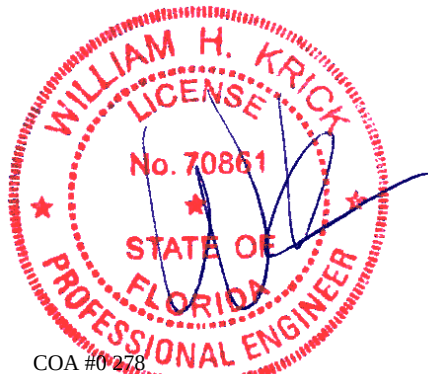
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 23.20 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.040 I 999 360 VERT(CL): 0.075 I 999 240 HORZ(LL): 0.017 C - - HORZ(TL): 0.032 C - - Creep Factor: 2.0 Max TC CSI: 0.208 Max BC CSI: 0.247 Max Web CSI: 0.615 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL L 3944 /- /- /- /785 /- M 7316 /- /- /- /1285 /- Wind reactions based on MWFRS L Brg Wid = 3.4 Min Req = 2.0 (Truss) M Brg Wid = 3.4 Min Req = - Bearings L & M 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 491 -2389 D - E 483 -2388 B - C 482 -2357 E - F 575 -3073 C - D 496 -2392 F - G 584 -3105

Lumber	Blocking	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #1; Bot chord: 2x8 SP SS Dense; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1.833' Rt Slider: 2x4 SP #3; block length = 1.833'	Apply additional nailing over the following bearings with fasteners at 9" oc perpendicular to grain and 4" oc parallel to grain. In lieu of additional nailing, apply blocking reinforcement to prevent buckling of members over the bearings: Bearing 1 located at 0.0' (blocking >= 3.50" if used) Bearing 2 located at 14.5' (blocking >= 3.50" if used)	Chords Tens.Comp. Chords Tens. Comp. A - K 1616 -330 I - H 2090 -391 K - J 1607 -328 H - G 2134 -398 J - I 1538 -313
Nailnote		Maximum Web Forces Per Ply (lbs)
Nail Schedule: 0.128"x3", min. nails Top Chord: 1 Row @ 12.00" o.c. Bot Chord: 2 Rows @ 4.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.		Webs Tens.Comp. Webs Tens. Comp. J - D 1616 -375 I - E 94 -712 D - I 1589 -270 E - H 1046 -130

Special Loads
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 60 plf at 0.00 to 60 plf at 14.79 BC: From 20 plf at 0.00 to 20 plf at 6.73 BC: From 10 plf at 6.73 to 10 plf at 14.79 BC: 3859 lb Conc. Load at 6.73 BC: 1575 lb Conc. Load at 8.73,10.73,12.73,14.73

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 14.510' 1 12" 6 Rigid Surface Brg block to be same size and species as chord. Refer to drawing CENAILSP1014 for more information.

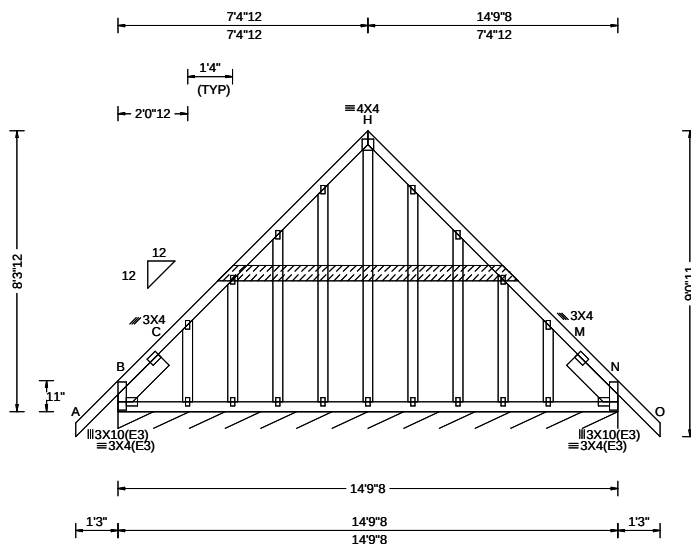


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SEQN: 66257 FROM: RJL	GABL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: K2-G 14'9"8 Gable	Cust: R 857 JRef: 1YdX8570003 T45 DrwNo: 276.25.1441.19803 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.57 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 G 999 360 VERT(CL): 0.002 M 999 240 HORZ(LL): -0.000 I - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.104 Max BC CSI: 0.024 Max Web CSI: 0.300 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL N* 113 /- /- /46 /8 /11 Wind reactions based on MWFRS N Brg Wid = 177 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.833'
Rt Slider: 2x6 SP #1; block length = 1.833'

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

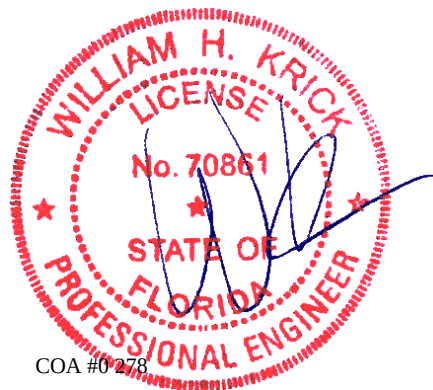
Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Additional Notes

See DWGS GBLDIAG220325 and GBLLEDG220325 for gable ledger and diagonal reinforcement details.

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.



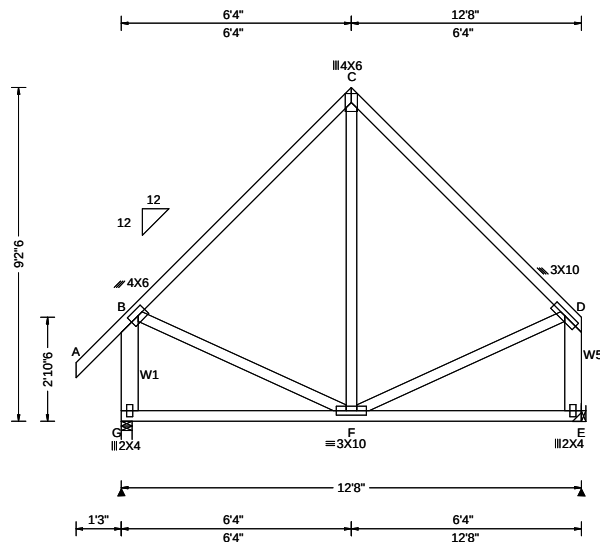
COA #0 278

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

SEQN: 66151 FROM: RJL	COMN Ply: 1 Qty: 3	Job Number: B61800a DAVIS RESIDENCE Truss Label: L1 12'8" Common	Cust: R 857 JRef: 1YdX8570003 T4 DrwNo: 276.25.1441.21773 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 F 999 360 VERT(CL): 0.007 F 999 240 HORZ(LL): 0.001 B - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.368 Max BC CSI: 0.277 Max Web CSI: 0.085 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 591 /- /- /304 /- /171 E 501 /- /- /293 /- /- Wind reactions based on MWFRS G Brg Wid = 3.5 Min Req = 1.5 (Truss) E Brg Wid = - Min Req = - Bearing G 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 152 -424 C - D 146 -421

Lumber

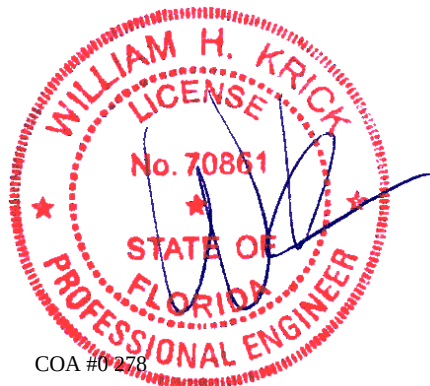
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W1, W5 2x6 SP #1;

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



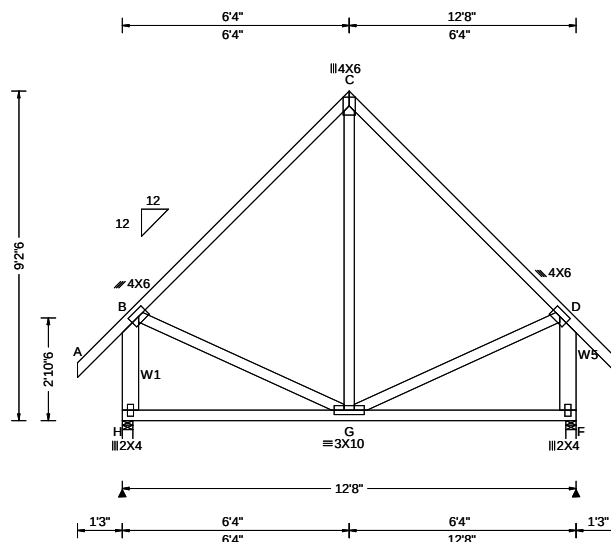
COA #0278

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

SEQN: 66147 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: L1a 12'8" Common	Cust: R 857 JRef: 1YdX8570003 T3 DrwNo: 276.25.1441.24373 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 G 999 360 VERT(CL): 0.007 G 999 240 HORZ(LL): 0.000 F - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.354 Max BC CSI: 0.276 Max Web CSI: 0.072 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 587 /- /- /308 /- /198 F 587 /- /- /308 /- /- Wind reactions based on MWFRS H Brg Wid = 3.5 Min Req = 1.5 (Truss) F Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings H & 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 150 -420 C - D 150 -420

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W1, W5 2x6 SP #1;

Wind

Wind loads based on MWFRS with additional C&C member design.
End verticals exposed to wind pressure. Deflection meets L/360.
Wind loading based on both gable and hip roof types.

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - H	179 -532	D - F	179 -532



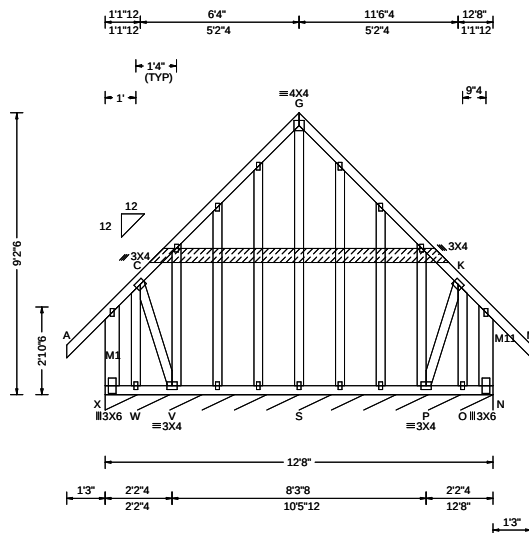
COA #0 278

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

SEQN: 66153 FROM: RJL	GABL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: L2-G 12'8" Gable	Cust: R 857 JRef: 1YdX8570003 T2 DrwNo: 276.25.1441.26980 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 F 999 360 VERT(CL): 0.004 G 999 240 HORZ(LL): -0.001 C - - HORZ(TL): 0.017 B - - Creep Factor: 2.0 Max TC CSI: 0.150 Max BC CSI: 0.047 Max Web CSI: 0.406 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL N* 122 /- /- /47 /6 /23 Wind reactions based on MWFRS N Brg Wid = 152 Min Req = - Bearing X is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - V 467 -330 P - K 498 -357 Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Gables Tens. Comp. W - C 338 -523 K - O 365 -554 G - S 32 -443

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; M1,M11 2x6 SP #1;

Plating Notes

All plates are 1.5X3 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

End verticals exposed to wind pressure. Deflection meets L/360.

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

See DWGS GBLDIAG220325 and GBLLEDG220325 for gable ledger and diagonal reinforcement details.

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.



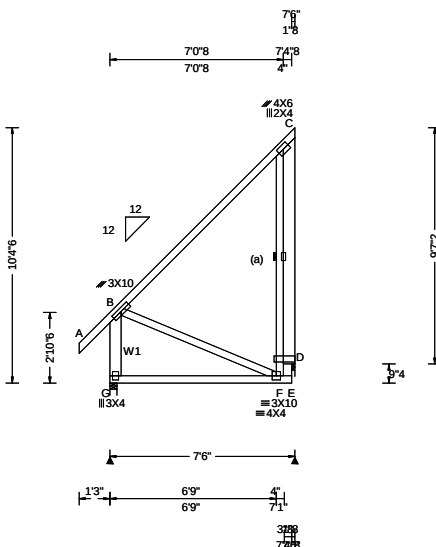
COA #0278

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SEQN: 66199 FROM: RJL	MONO Ply: 1 Qty: 7	Job Number: B61800a DAVIS RESIDENCE Truss Label: M1 7'6" Mono	Cust: R 857 JRef: 1YdX8570003 T15 DrwNo: 276.25.1441.29820 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.08 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.006 E 999 360 VERT(CL): -0.020 E 999 240 HORZ(LL): 0.004 C - - HORZ(TL): 0.009 C - - Creep Factor: 2.0 Max TC CSI: 0.412 Max BC CSI: 0.378 Max Web CSI: 0.202 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 385 /- /- /175 /- /227 D 292 /- /- /268 /137 /- Wind reactions based on MWFRS G Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = 1.5 (Support) Bearings G & D are a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. G - F 172 -410

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #1;
Rt Bearing Leg: 2x6 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

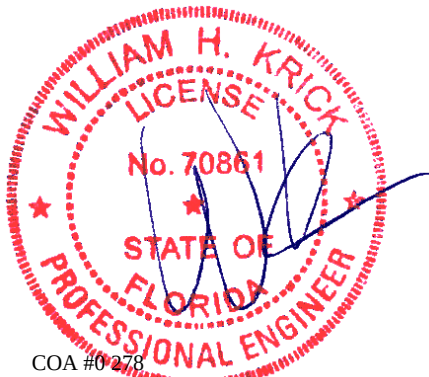
Left end vertical exposed to wind pressure. Deflection meets L/360.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - F	397 -152	C - D	958 -863



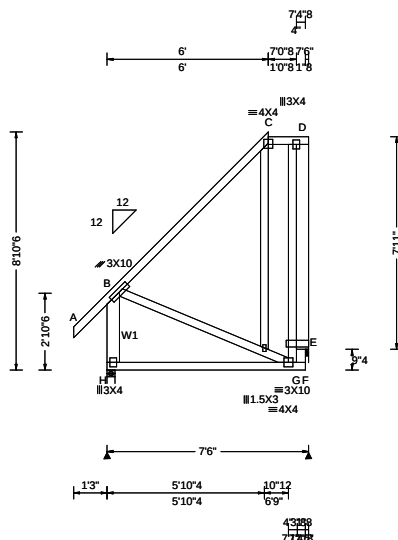
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Glenview, IL 60025

SEQN: 66201 FROM: RJL	HIPM Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: M2 7'6" Mono Hip	Cust: R 857 JRef: 1YdX8570003 T28 DrwNo: 276.25.1441.31700 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.032 C 999 360 VERT(CL): 0.048 C 999 240 HORZ(LL): 0.033 D - - HORZ(TL): 0.050 D - - Creep Factor: 2.0 Max TC CSI: 0.347 Max BC CSI: 0.377 Max Web CSI: 0.338 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 385 /- /- /176 /- /196 E 292 /- /- /224 /103 /- Wind reactions based on MWFRS H Brg Wid = 3.5 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = 1.5 (Support) Bearings H & E are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - E 838 -789

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #1;
Rt Bearing Leg: 2x6 SP #1;

Purlins

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

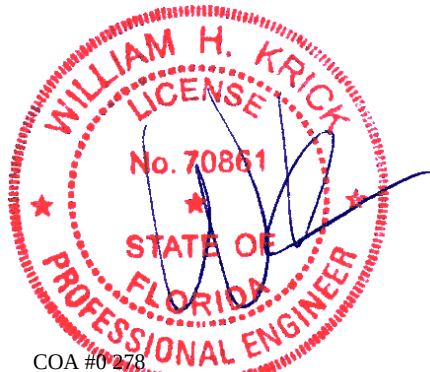
Wind

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

Left end vertical exposed to wind pressure. Deflection
meets L/360.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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Structural drawing of a building frame showing a cross-section. The drawing includes dimensions and member labels:

- Dimensions:**
 - Overall width: 76'0"
 - Overall height: 61'0"
 - Left vertical segment: 21'0"
 - Right vertical segment: 61'2"
 - Horizontal segments (top): 4', 70'8", 7'4"
 - Horizontal segments (bottom): 1'3", 4', 29', 4'
 - Vertical segment (bottom right): 9'4"
- Members and Labels:**
 - Top horizontal: 4X6 (C), 3X4 (D)
 - Left vertical: 1.5X3 (I)
 - Right vertical: 3X4 (H), 3X10 (G), 4X6 (F)
 - Diagonal: 3X6 (B), 3X4 (E)
 - Roof slope: 12/12
 - Roof member: W1

Lumber
Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #1;
Rt Bearing Leg: 2x6 SP #1;

Wind loads and reactions based on MWFRS.
Left end vertical exposed to wind pressure. Deflection meets $L/360$.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

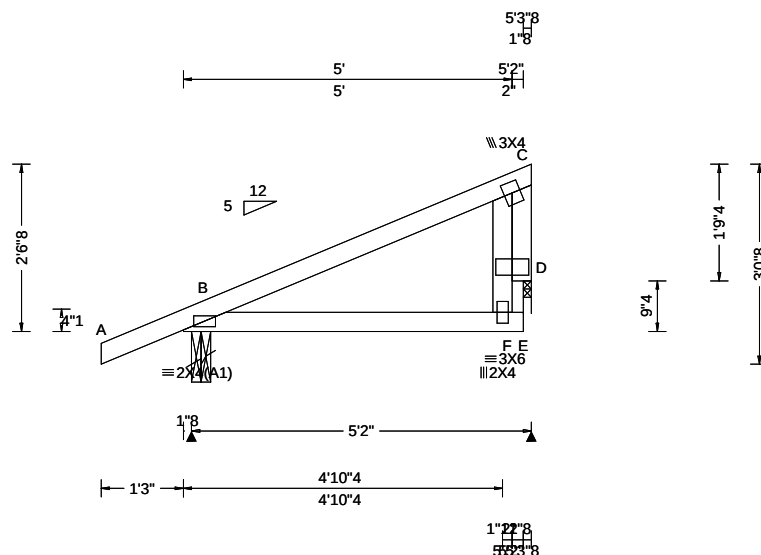


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SEQN: 66213 FROM: RJL	MONO Ply: 1 Qty: 11	Job Number: B61800a DAVIS RESIDENCE Truss Label: N1 5'3"8 Mono	Cust: R 857 JRef: 1YdX8570003 T32 DrwNo: 276.25.1441.36197 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 B 999 360 VERT(CL): 0.012 B 999 240 HORZ(LL): 0.003 B - - HORZ(TL): 0.006 B - - Creep Factor: 2.0 Max TC CSI: 0.176 Max BC CSI: 0.175 Max Web CSI: 0.155 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 287 /- /- /112 /2 /53 D 183 /- /- /107 /12 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = 1.5 (Support) Bearings B & D are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - D 422 -449

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



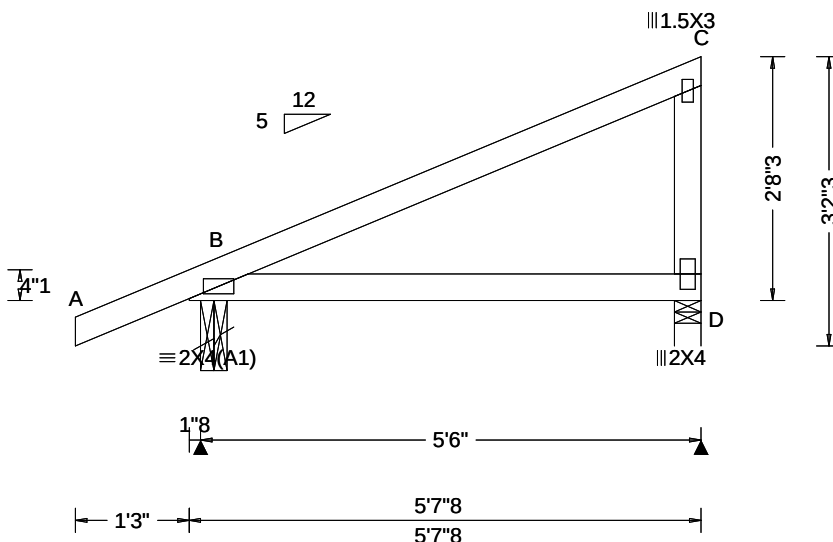
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Glenview, IL 60025

SEQN: 66215 FROM: RJL	MONO Ply: 1 Qty: 3	Job Number: B61800a DAVIS RESIDENCE Truss Label: N2 5'7"8 Mono	Cust: R 857 JRef: 1YdX8570003 T29 DrwNo: 276.25.1441.37827 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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: No 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): 0.006 B - - HORZ(TL): 0.011 B - - Creep Factor: 2.0 Max TC CSI: 0.299 Max BC CSI: 0.234 Max Web CSI: 0.125 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 301 /- /- /119 /2 /56 D 196 /- /- /115 /11 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 3.5 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 #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.



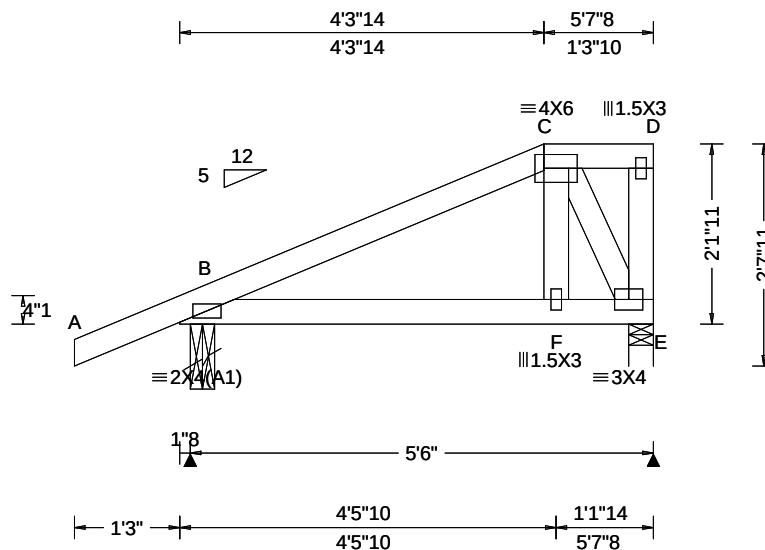
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SEQN: 66217 FROM: RJL	HIPM Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: N3 5'7"8 Mono Hip Girder	Cust: R 857 JRef: 1YdX8570003 T20 DrwNo: 276.25.1441.39377 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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): 0.004 B 999 360 VERT(CL): 0.008 B 999 240 HORZ(LL): 0.002 B - - HORZ(TL): 0.004 B - - Creep Factor: 2.0 Max TC CSI: 0.160 Max BC CSI: 0.113 Max Web CSI: 0.061 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 314 /- /- /- /18 /- E 240 /- /- /1 /- /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) E Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & E are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Loading

#1 hip supports 1-0-0 jacks with no webs.

Left side jacks have 4-3-14 setback with 0-1-8 cant and 0-10-6 overhang. End jacks have 1-0-0 setback with 0-0-0 cant and 0-10-6 overhang.

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



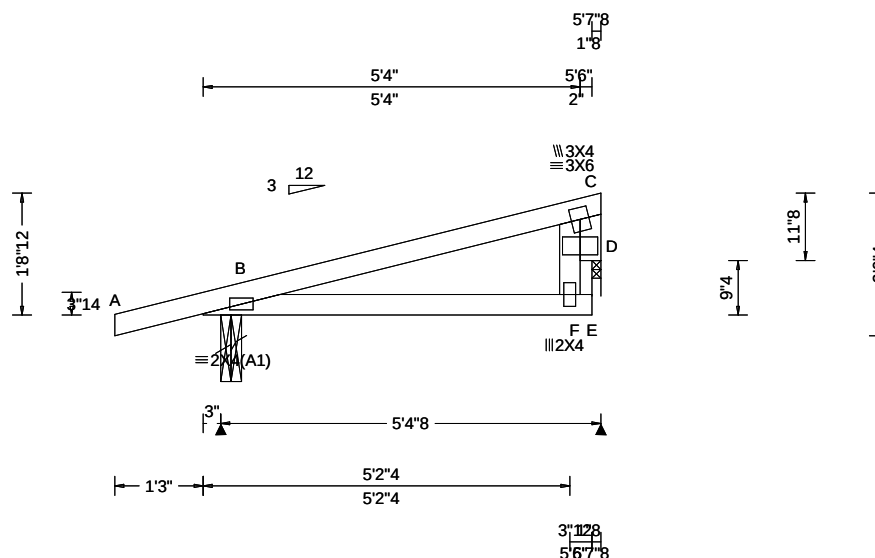
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Glenview, IL 60025

SEQN: 66223 FROM: RJL	MONO Ply: 1 Qty: 4	Job Number: B61800a DAVIS RESIDENCE Truss Label: O1 5'7"8 Mono	Cust: R 857 JRef: 1YdX8570003 T24 DrwNo: 276.25.1441.41210 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.012 B 999 360 VERT(CL): 0.019 B 999 240 HORZ(LL): 0.004 B - - HORZ(TL): 0.006 B - - Creep Factor: 2.0 Max TC CSI: 0.183 Max BC CSI: 0.181 Max Web CSI: 0.241 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 302 /- /- /118 /20 /34 D 187 /- /- /93 /7 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = 1.5 (Support) Bearings B & D are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - D 565 -475

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



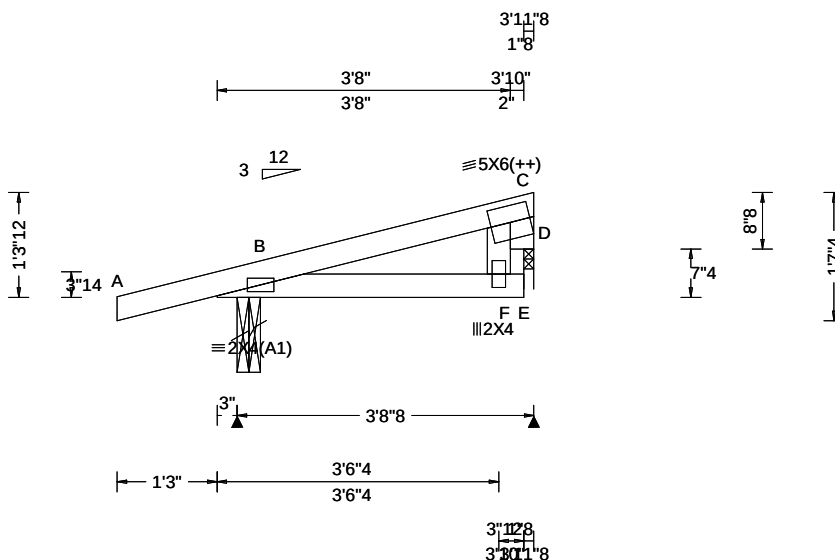
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66225 FROM: RJL	MONO Ply: 1 Qty: 8	Job Number: B61800a DAVIS RESIDENCE Truss Label: O2 3'11"8 Mono	Cust: R 857 JRef: 1YdX8570003 T23 DrwNo: 276.25.1441.43320 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 B 999 360 VERT(CL): 0.006 B 999 240 HORZ(LL): 0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.097 Max BC CSI: 0.073 Max Web CSI: 0.103 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 246 /- /- /90 /24 /26 D 120 /- /- /64 /4 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = 1.5 (Support) Bearings B & D are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Rt Bearing Leg: 2x4 SP #3;

Plating Notes

(++) - This plate works for both joints covered.

Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



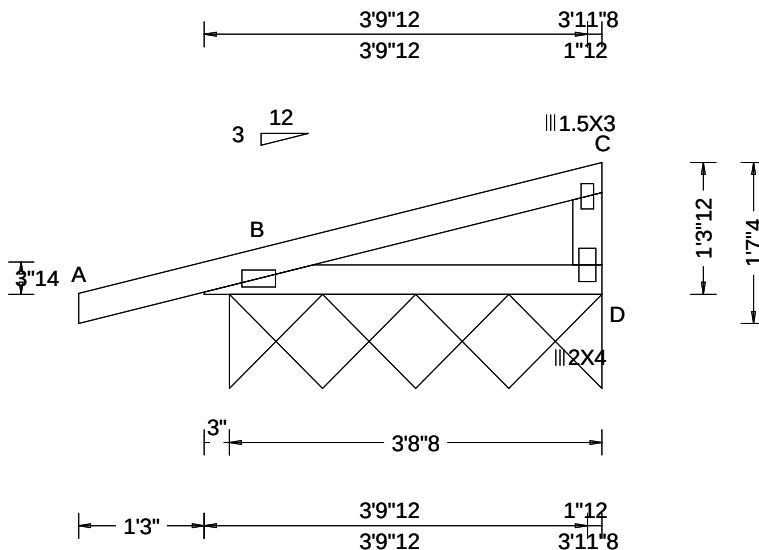
COA #0278

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SEQN: 66227 FROM: RJL	GABL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: O3-G 3'11"8 Gable	Cust: R 857 JRef: 1YdX8570003 T22 DrwNo: 276.25.1441.45803 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.003 B - - Creep Factor: 2.0 Max TC CSI: 0.115 Max BC CSI: 0.088 Max Web CSI: 0.062 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 102 /- /- /44 /44 /16 Wind reactions based on MWFRS D Brg Wid = 44.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Plating Notes

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

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

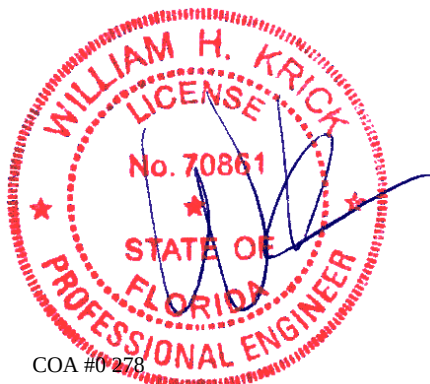
Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.



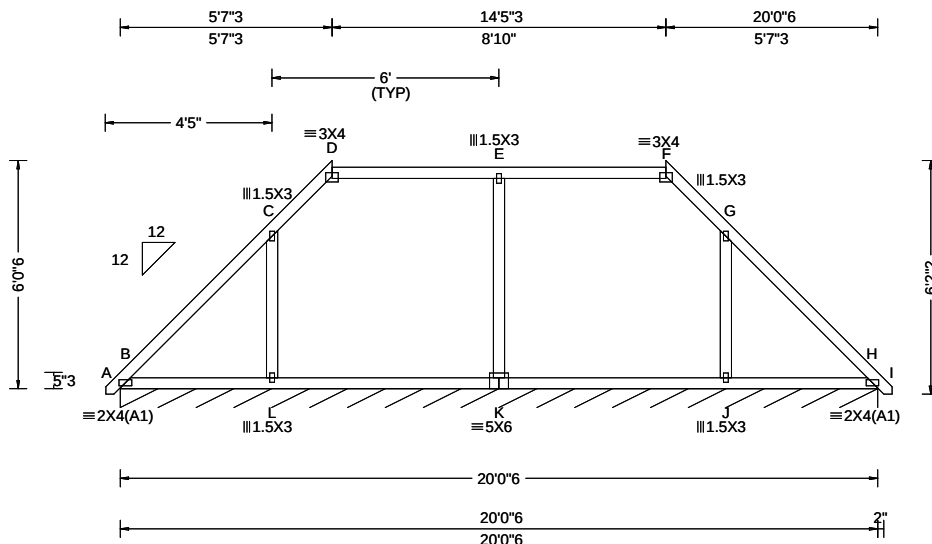
COA #0 278

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SEQN: 66431 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB1 20'10" Common	Cust: R 857 JRef: 1YdX8570003 T93 DrwNo: 276.25.1441.47943 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 31.18 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.038 F 999 360 VERT(CL): 0.039 D 999 240 HORZ(LL): -0.034 E - - HORZ(TL): 0.034 D - - Creep Factor: 2.0 Max TC CSI: 0.221 Max BC CSI: 0.351 Max Web CSI: 0.190 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 105 /- /- /39 /0 /6 Wind reactions based on MWFRS B Brg Wid = 240 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
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.

Purlins

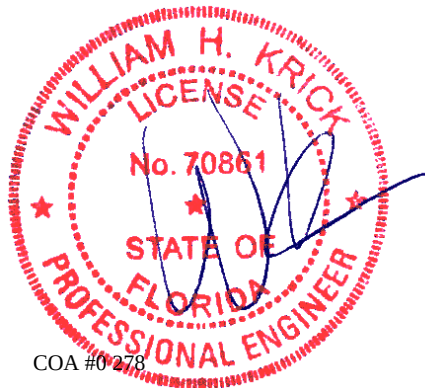
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.



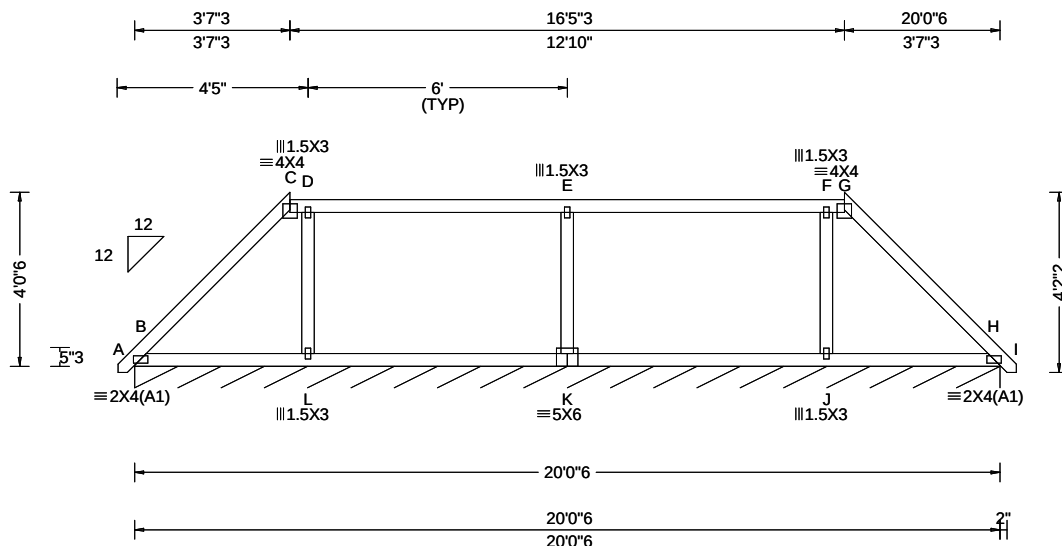
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SEQN: 66434 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB2 20'10" Common	Cust: R 857 JRef: 1YdX8570003 T92 DrwNo: 276.25.1442.09233 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 31.09 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.003 C 999 360 VERT(CL): -0.006 C 999 240 HORZ(LL): 0.002 F - - HORZ(TL): 0.005 F - - Creep Factor: 2.0 Max TC CSI: 0.339 Max BC CSI: 0.204 Max Web CSI: 0.112 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 82 /- /- /37 /6 /4 Wind reactions based on MWFRS B Brg Wid = 240 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. E - K 318 -388

Lumber

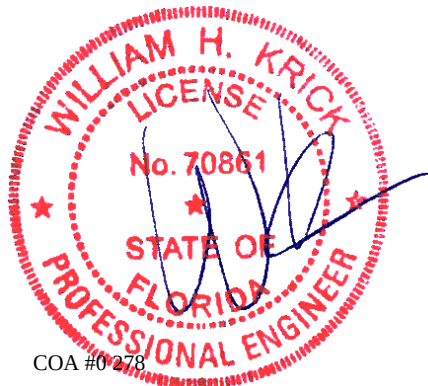
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

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.
Refer to DWG PB160220723 for piggyback details.



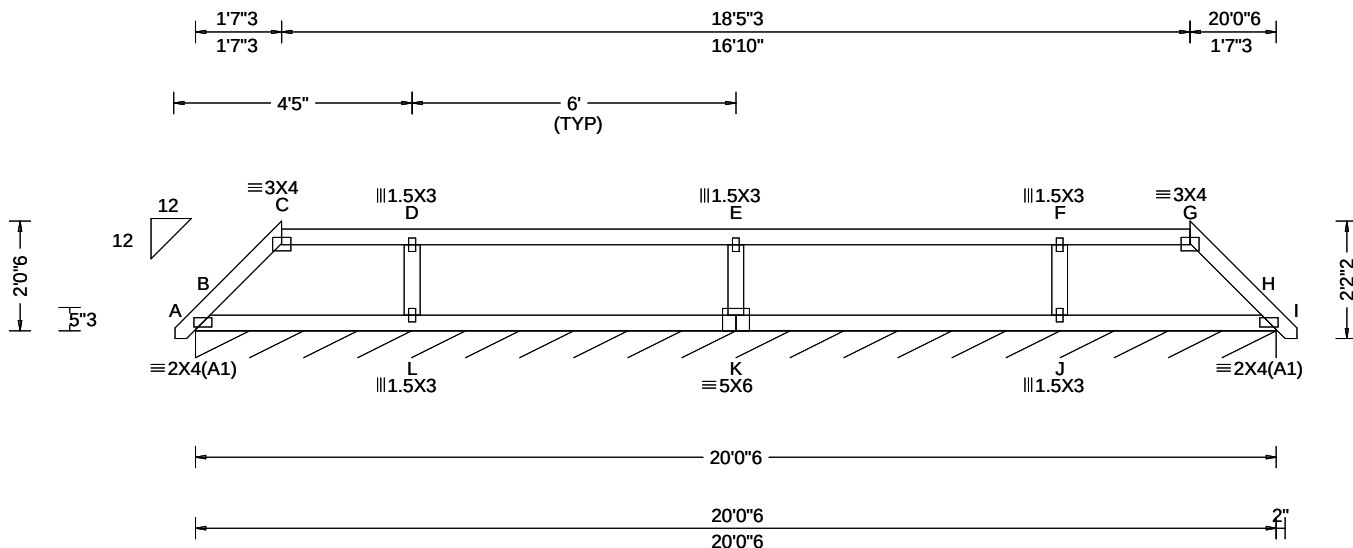
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Glenview, IL 60025

SEQN: 66437 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB3 20'10" Common	Cust: R 857 JRef: 1YdX8570003 T91 DrwNo: 276.25.1442.12780 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 30.09 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.010 C 999 360 VERT(CL): 0.011 C 999 240 HORZ(LL): 0.011 D - - HORZ(TL): 0.011 D - - Creep Factor: 2.0 Max TC CSI: 0.336 Max BC CSI: 0.207 Max Web CSI: 0.092 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 82 /- /- /36 /10 /2 Wind reactions based on MWFRS B Brg Wid = 240 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. E - K 310 -385

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
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.

Refer to DWG PB160220723 for piggyback details.



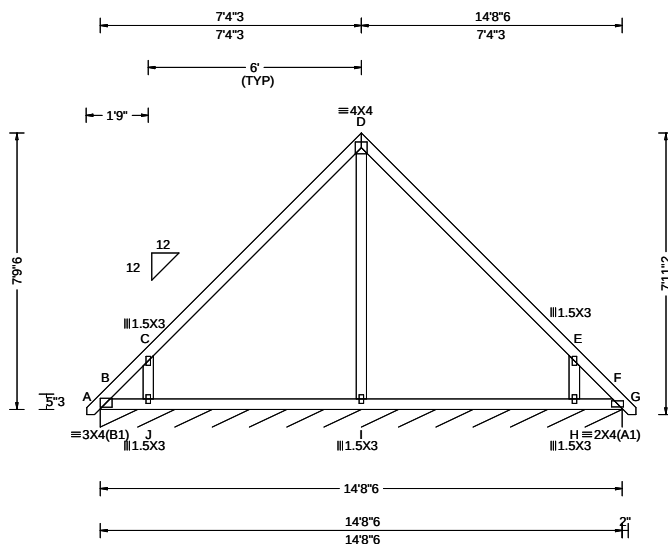
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Glenview, IL 60025

SEQN: 66416 FROM: RJL	COMN Ply: 1 Qty: 4	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB4 15" Common	Cust: R 857 JRef: 1YdX8570003 T80 DrwNo: 276.25.1442.15977 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 32.05 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 D 999 360 VERT(CL): 0.003 D 999 240 HORZ(LL): -0.002 B - - HORZ(TL): 0.003 B - - Creep Factor: 2.0 Max TC CSI: 0.410 Max BC CSI: 0.280 Max Web CSI: 0.237 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 102 /- /- /42 /- /10 B /-159 F /-159 Wind reactions based on MWFRS B Brg Wid = 176 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - J 351 -423 H - E 351 -423

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Loading

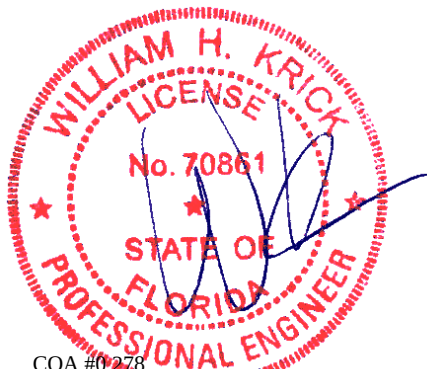
Truss passed check for 20 psf additional bottom
chord live load in areas with 42"-high x 24"-wide
clearance.

Wind

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

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.



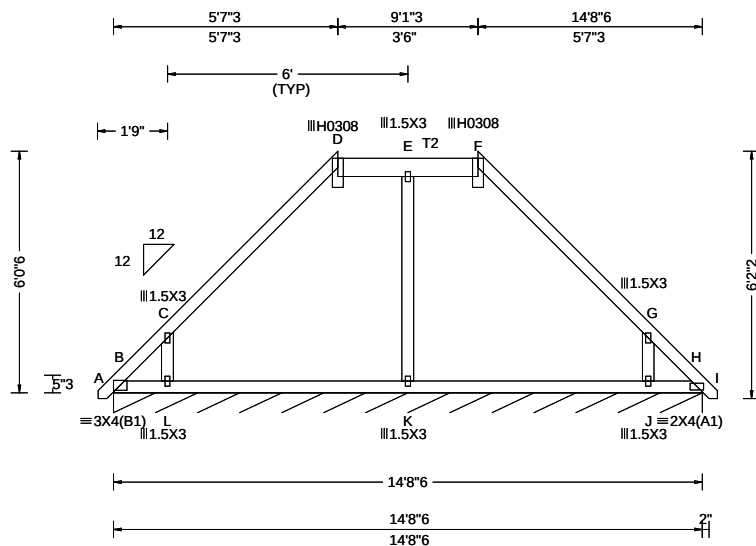
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 66420 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB5 15'6" Common	Cust: R 857 JRef: 1YdX8570003 T89 DrwNo: 276.25.1442.19430 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 31.18 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.046 F 999 360 VERT(CL): 0.048 F 999 240 HORZ(LL): -0.045 E - - HORZ(TL): 0.045 E - - Creep Factor: 2.0 Max TC CSI: 0.272 Max BC CSI: 0.300 Max Web CSI: 0.083 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B* 102 /- /- /40 /- /7 Wind reactions based on MWFRS B Brg Wid = 176 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; T2 2x6 SP #1;
Bot chord: 2x4 SP #1;
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.

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.

Refer to DWG PB160220723 for piggyback details.



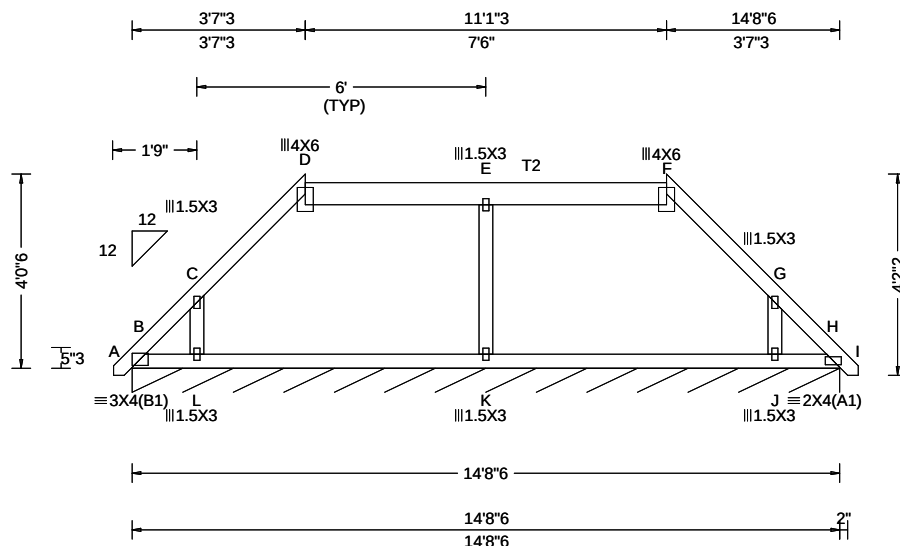
COA #0278

10/06/2025
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SEQN: 66424 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB6 15'6" Common	Cust: R 857 JRef: 1YdX8570003 T85 DrwNo: 276.25.1442.22717 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 30.18 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.011 F 999 360 VERT(CL): 0.033 F 999 240 HORZ(LL): -0.010 E - - HORZ(TL): 0.029 E - - Creep Factor: 2.0 Max TC CSI: 0.165 Max BC CSI: 0.223 Max Web CSI: 0.076 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 83 /- /- /38 /2 /5 Wind reactions based on MWFRS B Brg Wid = 176 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1; T2 2x6 SP #1;
Bot chord: 2x4 SP #1;
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.

Refer to DWG PB160220723 for piggyback details.



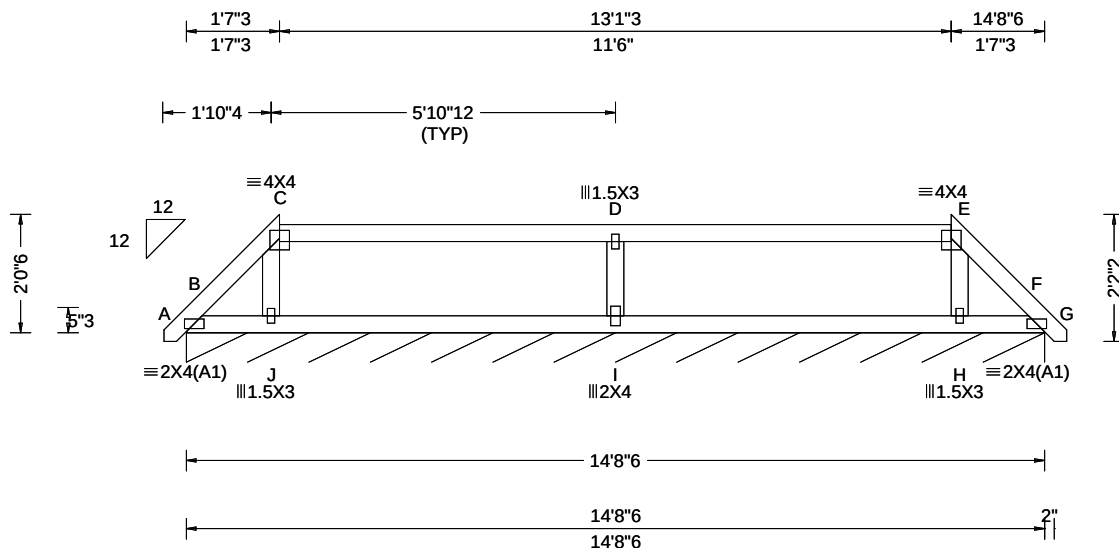
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SEQN: 66428 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB7 15'6" Common	Cust: R 857 JRef: 1YdX8570003 T81 DrwNo: 276.25.1442.25753 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 30.09 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h to 2h 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 360 VERT(CL): 0.001 D 999 240 HORZ(LL): -0.000 B - - HORZ(TL): 0.001 E - - Creep Factor: 2.0 Max TC CSI: 0.399 Max BC CSI: 0.208 Max Web CSI: 0.119 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 83 /- /- /37 /9 /2 Wind reactions based on MWFRS B Brg Wid = 176 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - I 400 -429

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
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.

Refer to DWG PB160220723 for piggyback details.



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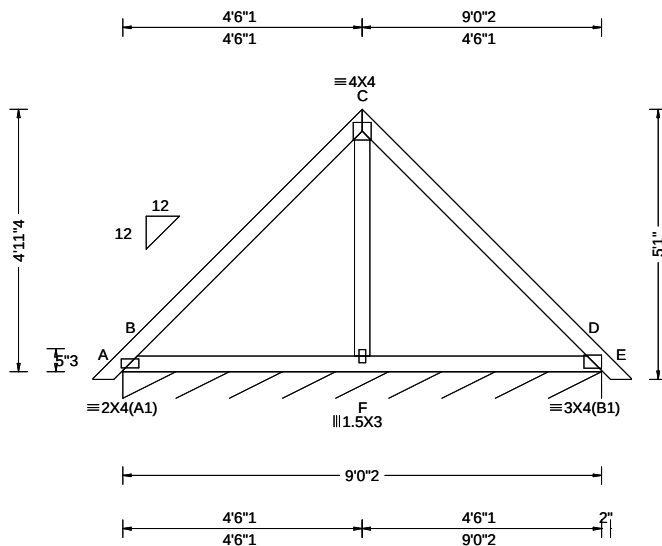
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155 Harlem Ave
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Glenview, IL 60025

SEQN: 66403 FROM: RJL	COMN Ply: 1 Qty: 7	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB8 10'2" Common	Cust: R 857 JRef: 1YdX8570003 T48 DrwNo: 276.25.1442.28470 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 21.51 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 360 VERT(CL): 0.002 D 999 240 HORZ(LL): -0.002 D - - HORZ(TL): 0.005 B - - Creep Factor: 2.0 Max TC CSI: 0.232 Max BC CSI: 0.188 Max Web CSI: 0.086 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 85 /- /- /42 /- /10 Wind reactions based on MWFRS B Brg Wid = 108 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

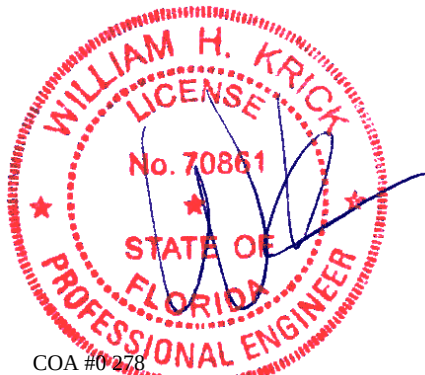
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

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

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.



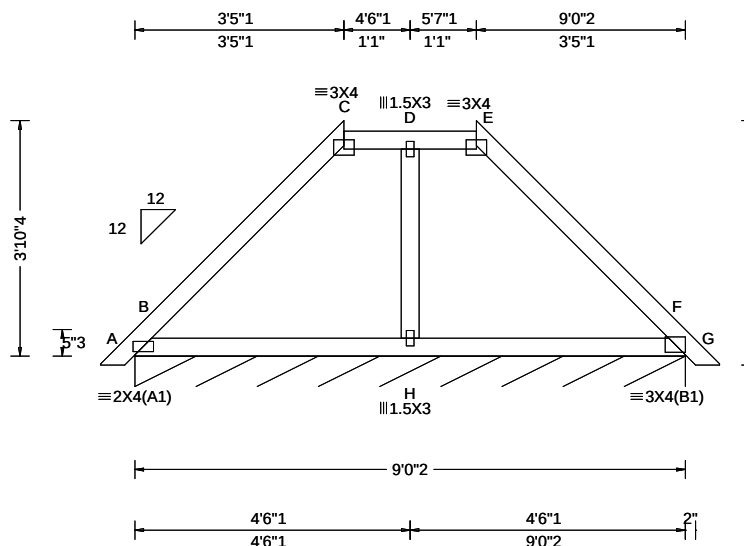
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SEQN: 66406 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB9 10'2" Common	Cust: R 857 JRef: 1YdX8570003 T70 DrwNo: 276.25.1442.33510 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.97 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 E 999 360 VERT(CL): 0.009 E 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.012 D - - Creep Factor: 2.0 Max TC CSI: 0.095 Max BC CSI: 0.145 Max Web CSI: 0.013 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 85 /- /- /40 /- /7 Wind reactions based on MWFRS B Brg Wid = 108 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Purlins

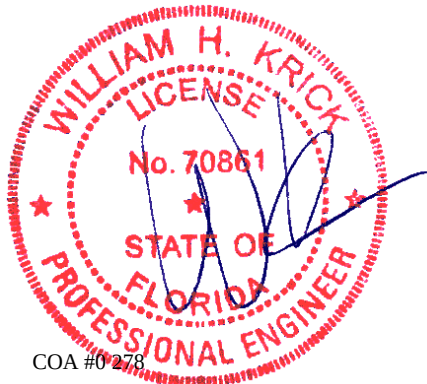
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.



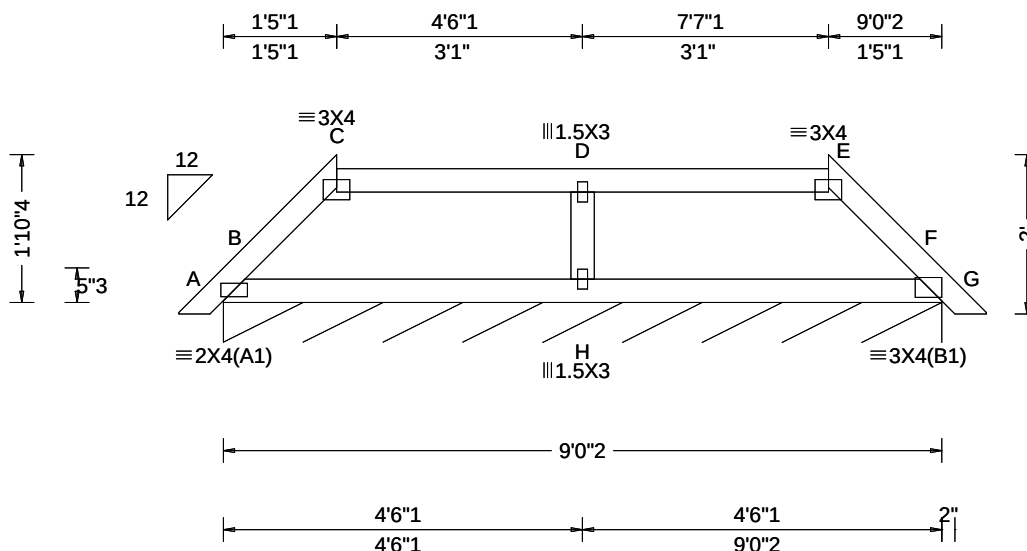
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SEQN: 66409 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB10 10'2" Common	Cust: R 857 JRef: 1YdX8570003 T71 DrwNo: 276.25.1441.58970 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.88 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 E 999 360 VERT(CL): 0.004 E 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.004 E - - Creep Factor: 2.0 Max TC CSI: 0.104 Max BC CSI: 0.139 Max Web CSI: 0.066 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 85 /- /- /38 /1 /3 Wind reactions based on MWFRS B Brg Wid = 108 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Purlins

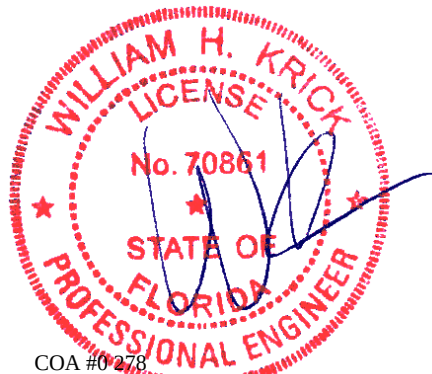
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.



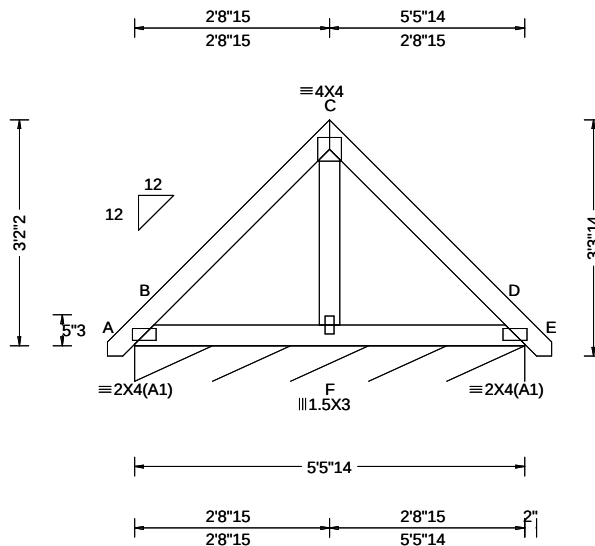
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Glenview, IL 60025

SEQN: 66411 FROM: RJL	COMN Ply: 1 Qty: 9	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB11 6'3"8 Common	Cust: R 857 JRef: 1YdX8570003 T72 DrwNo: 276.25.1442.02707 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 28.75 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 360 VERT(CL): 0.000 D 999 240 HORZ(LL): -0.001 D - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.124 Max BC CSI: 0.059 Max Web CSI: 0.023 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 89 /- /- /43 /- /10 Wind reactions based on MWFRS B Brg Wid = 65.8 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
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.
Refer to DWG PB160220723 for piggyback details.



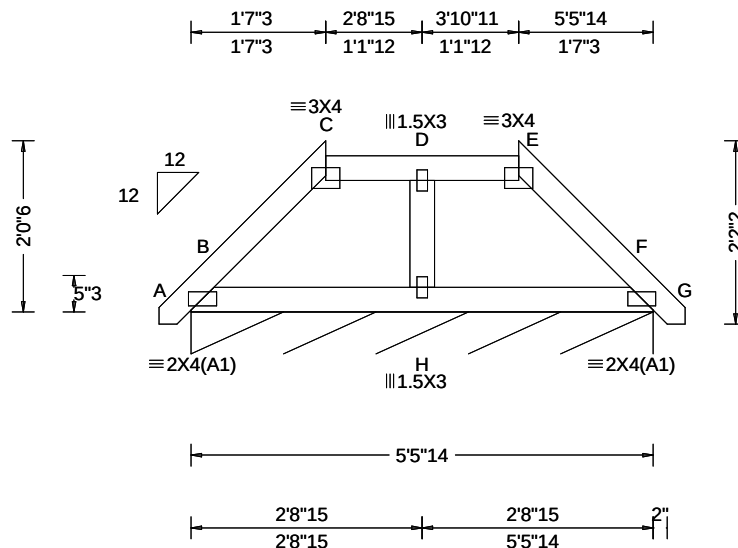
COA #0278

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

SEQN: 66414 FROM: RJL	COMN Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: PB12 6'3"8 Common	Cust: R 857 JRef: 1YdX8570003 T74 DrwNo: 276.25.1442.06550 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 28.18 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 E 999 360 VERT(CL): 0.002 E 999 240 HORZ(LL): -0.000 B - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.029 Max BC CSI: 0.050 Max Web CSI: 0.032 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 89 /- /- /40 /- /5 Wind reactions based on MWFRS B Brg Wid = 65.8 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Purlins

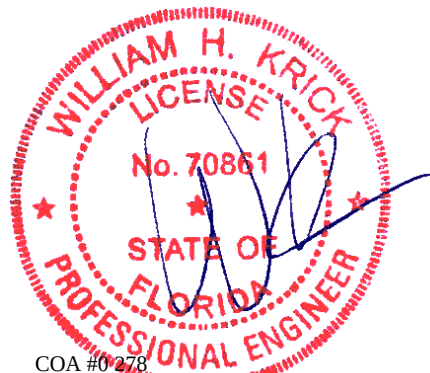
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

Wind loading based on both gable and hip roof types.

Refer to DWG PB160220723 for piggyback details.



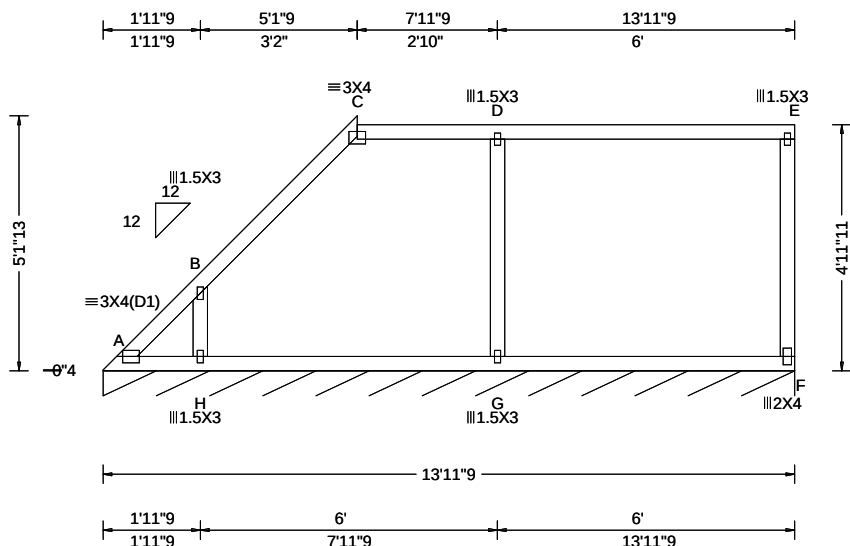
COA #0278

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Glenview, IL 60025

SEQN: 66345 FROM: RJL	VAL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V1 13'11"9 Valley	Cust: R 857 JRef: 1YdX8570003 T44 DrwNo: 276.25.1438.11037 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 24.07 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.038 C 999 360 VERT(CL): 0.076 C 999 240 HORZ(LL): 0.038 D - - HORZ(TL): 0.076 D - - Creep Factor: 2.0 Max TC CSI: 0.518 Max BC CSI: 0.329 Max Web CSI: 0.187 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F* 80 /- /- /40 /7 /9 Wind reactions based on MWFRS F Brg Wid = 167 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. D - G 369 -423

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Purlins

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

Wind

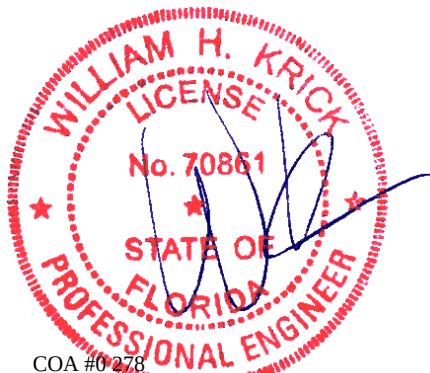
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



COA #0278

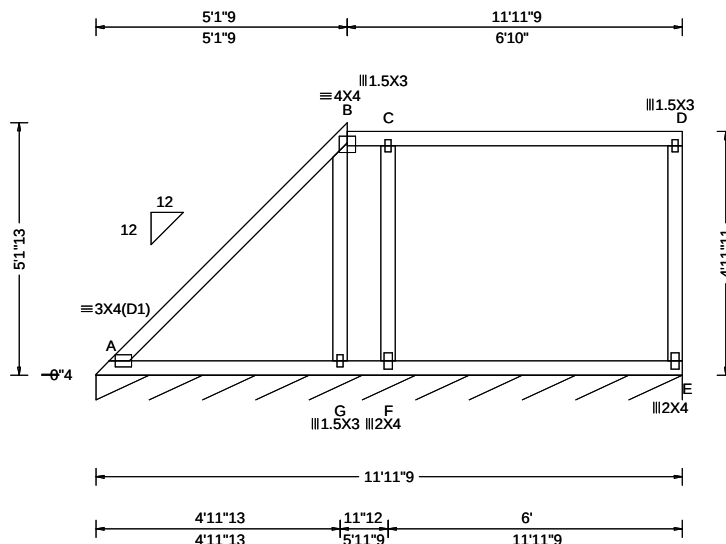
10/06/2025

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Glenview, IL 60025

SEQN: 66348 FROM: RJL	VAL	Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V2 11'11"9 Valley	Cust: R 857 JRef: 1YdX8570003 T60 DrwNo: 276.25.1438.35247 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 26.07 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.011 A 999 360 VERT(CL): 0.021 A 999 240 HORZ(LL): 0.005 A - - HORZ(TL): 0.010 A - - Creep Factor: 2.0 Max TC CSI: 0.426 Max BC CSI: 0.299 Max Web CSI: 0.214 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 80 /- /- /41 /9 /12 Wind reactions based on MWFRS E Brg Wid = 143 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - F 470 -485

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Purlins

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

Wind

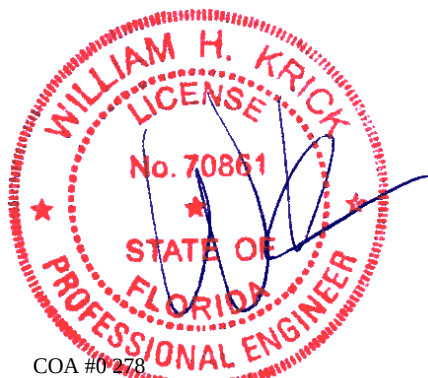
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



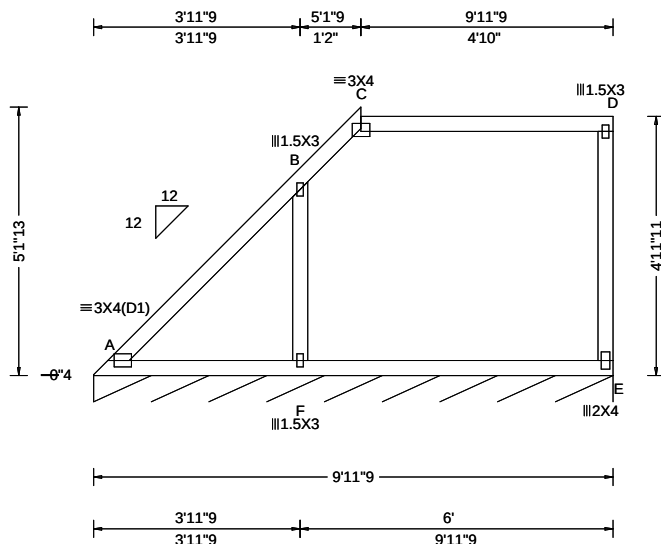
COA #0278

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Glenview, IL 60025

SEQN: 66350 FROM: RJL	VAL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V3 9'11"9 Valley	Cust: R 857 JRef: 1YdX8570003 T63 DrwNo: 276.25.1438.36787 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 28.07 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.037 C 999 360 VERT(CL): 0.073 C 999 240 HORZ(LL): 0.035 D - - HORZ(TL): 0.070 D - - Creep Factor: 2.0 Max TC CSI: 0.414 Max BC CSI: 0.284 Max Web CSI: 0.114 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 80 /- /- /42 /10 /15 Wind reactions based on MWFRS E Brg Wid = 119 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - F 382 -363

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Purlins

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

Wind

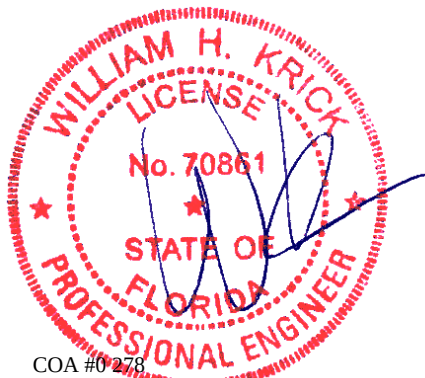
Wind loads based on MWFRS with additional C&C
member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for
valley details.



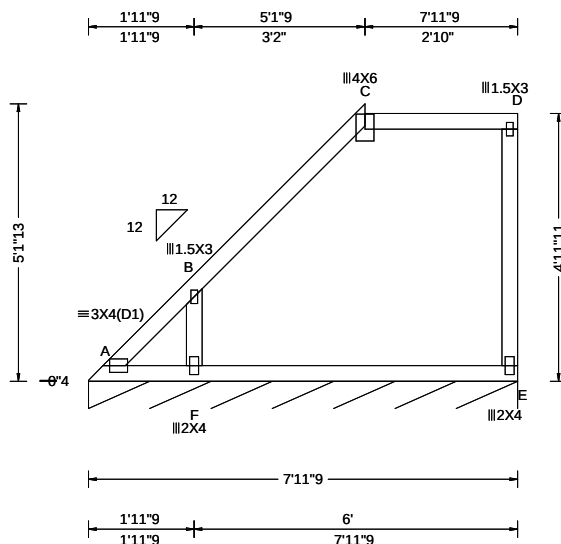
COA #0 278

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

SEQN: 66352 FROM: RJL	VAL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V4 7'11"9 Valley	Cust: R 857 JRef: 1YdX8570003 T64 DrwNo: 276.25.1438.38417 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 30.07 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.089 C 999 360 VERT(CL): 0.176 C 531 240 HORZ(LL): 0.089 D - - HORZ(TL): 0.178 D - - Creep Factor: 2.0 Max TC CSI: 0.399 Max BC CSI: 0.285 Max Web CSI: 0.155 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 80 /- /- /44 /11 /20 Wind reactions based on MWFRS E Brg Wid = 95.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - F 520 -403

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
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.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



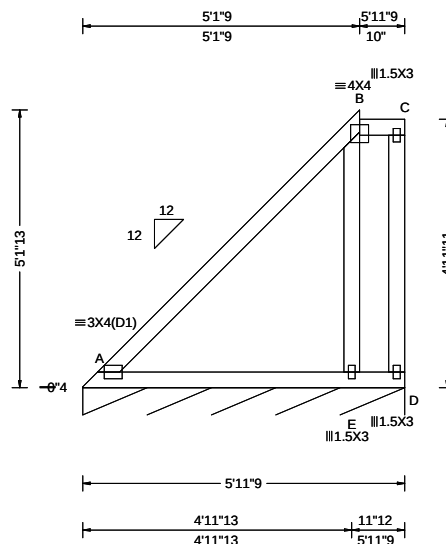
COA #0278

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Glenview, IL 60025

SEQN: 66355 FROM: RJL	VAL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V5 5'11"9 Valley	Cust: R 857 JRef: 1YdX8570003 T68 DrwNo: 276.25.1438.39857 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 32.07 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.015 A 999 360 VERT(CL): 0.021 A 999 240 HORZ(LL): 0.008 A - - HORZ(TL): 0.010 A - - Creep Factor: 2.0 Max TC CSI: 0.336 Max BC CSI: 0.207 Max Web CSI: 0.071 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 80 /- /- /47 /- /16 Wind reactions based on MWFRS D Brg Wid = 71.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Purlins

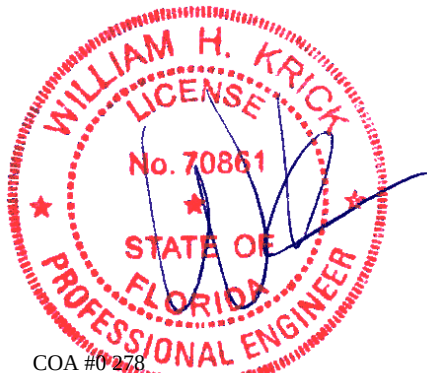
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



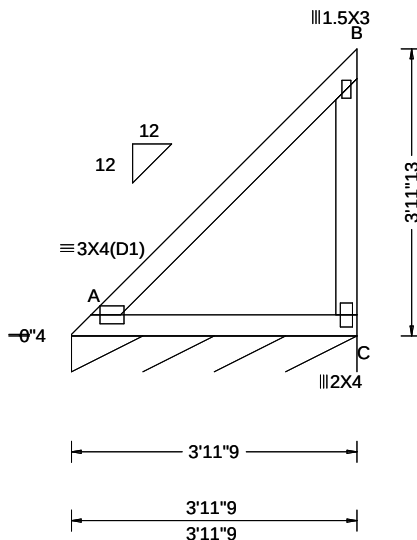
COA #0278

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155 Harlem Ave
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Glenview, IL 60025

SEQN: 66357 FROM: RJL	VAL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V6 3'11"9 Valley	Cust: R 857 JRef: 1YdX8570003 T73 DrwNo: 276.25.1438.41300 GA / FV 10/03/2025
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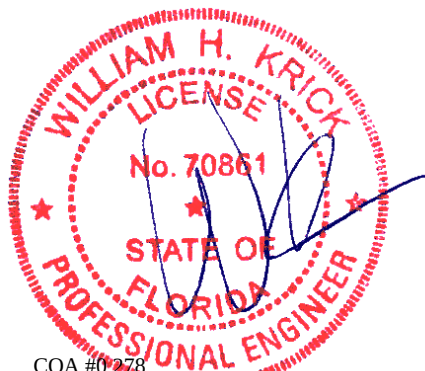
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 33.49 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No 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): 0.003 A - - HORZ(TL): 0.005 A - - Creep Factor: 2.0 Max TC CSI: 0.212 Max BC CSI: 0.136 Max Web CSI: 0.111 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 79 /- /- /49 /- /19 Wind reactions based on MWFRS C Brg Wid = 47.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



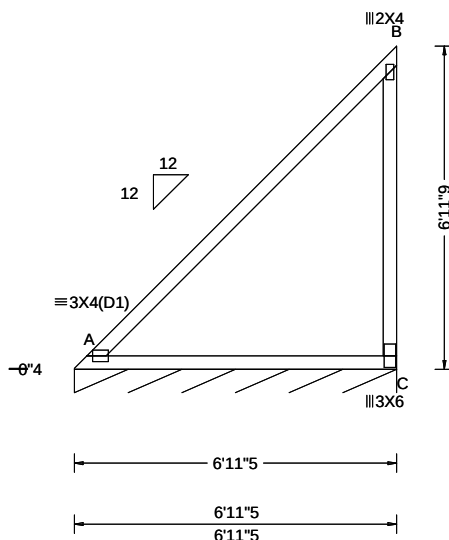
COA #0278

10/06/2025
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SEQN: 66316 FROM: RJL	VAL	Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V7 6'11"5 Valley	Cust: R 857 JRef: 1YdX8570003 T78 DrwNo: 276.25.1438.42733 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 23.58 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.016 A - - HORZ(TL): 0.032 A - - Creep Factor: 2.0 Max TC CSI: 0.595 Max BC CSI: 0.449 Max Web CSI: 0.149 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 80 /- /- /50 /4 /26 Wind reactions based on MWFRS C Brg Wid = 83.3 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



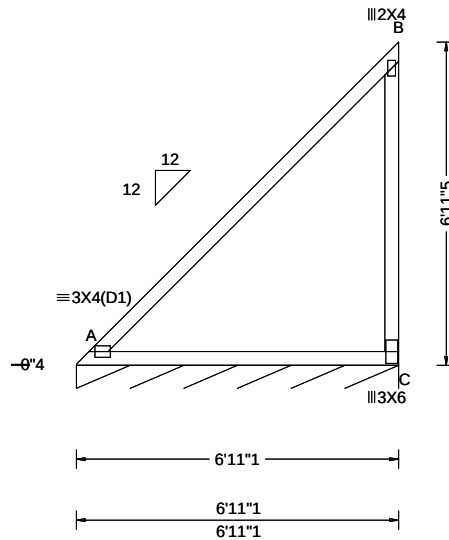
COA #0278

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SEQN: 66322 FROM: RJL	VAL	Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V8 6'11"1 Valley	Cust: R 857 JRef: 1YdX8570003 T67 DrwNo: 276.25.1438.44340 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 23.57 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.016 A - - HORZ(TL): 0.031 A - - Creep Factor: 2.0 Max TC CSI: 0.667 Max BC CSI: 0.446 Max Web CSI: 0.148 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 80 /- /- /50 /4 /26 Wind reactions based on MWFRS C Brg Wid = 83.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

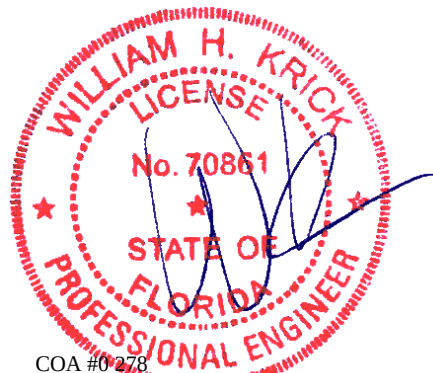
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



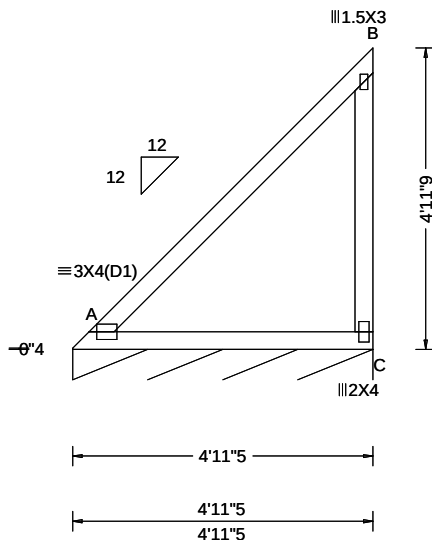
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SEQN: 66318 FROM: RJL	VAL	Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V9 4'11"5 Valley	Cust: R 857 JRef: 1YdX8570003 T79 DrwNo: 276.25.1438.45927 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 24.58 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No 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): 0.006 A - - HORZ(TL): 0.011 A - - Creep Factor: 2.0 Max TC CSI: 0.316 Max BC CSI: 0.222 Max Web CSI: 0.053 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 79 /- /- /49 /5 /26 Wind reactions based on MWFRS C Brg Wid = 59.3 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

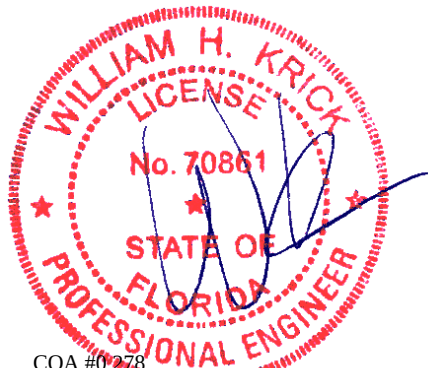
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



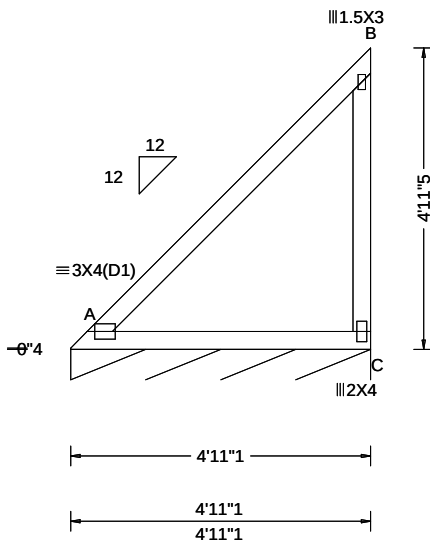
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Glenview, IL 60025

SEQN: 66324 FROM: RJL	VAL	Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V10 4'11"1 Valley	Cust: R 857 JRef: 1YdX8570003 T76 DrwNo: 276.25.1438.12740 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 24.57 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.006 A - - HORZ(TL): 0.011 A - - Creep Factor: 2.0 Max TC CSI: 0.314 Max BC CSI: 0.220 Max Web CSI: 0.052 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 79 /- /- /49 /5 /26 Wind reactions based on MWFRS C Brg Wid = 59.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

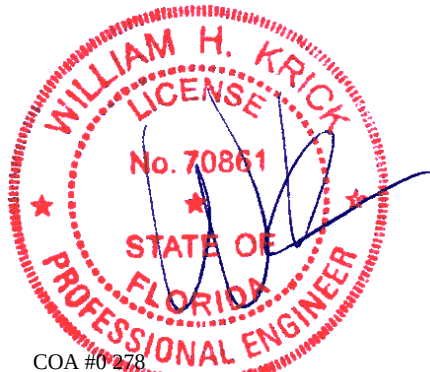
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



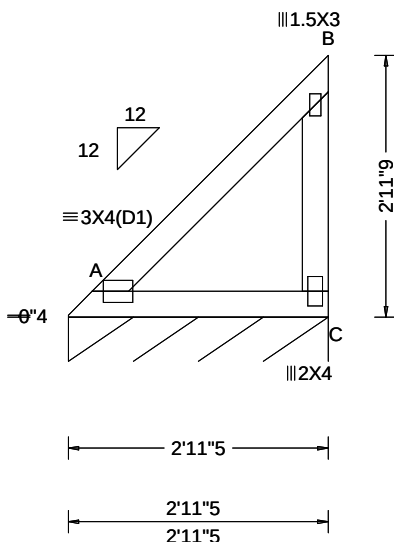
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Glenview, IL 60025

SEQN: 66320 FROM: RJL	VAL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V11 2'11"5 Valley	Cust: R 857 JRef: 1YdX8570003 T88 DrwNo: 276.25.1438.14263 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 25.58 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No 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 A - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.097 Max BC CSI: 0.074 Max Web CSI: 0.060 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 79 /- /- /48 /4 /25 Wind reactions based on MWFRS C Brg Wid = 35.3 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



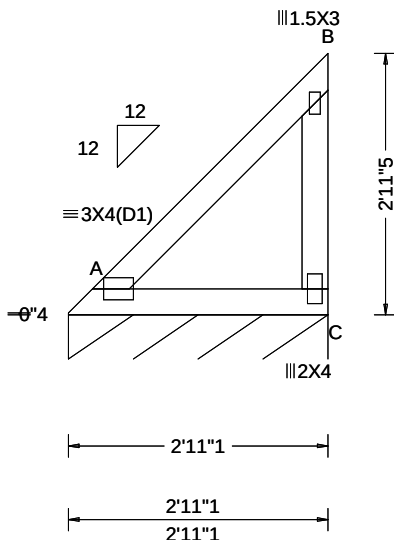
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Glenview, IL 60025

SEQN: 66326 FROM: RJL	VAL Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: V12 2'11"1 Valley	Cust: R 857 JRef: 1YdX8570003 T77 DrwNo: 276.25.1438.15803 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 25.57 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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 A - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.096 Max BC CSI: 0.073 Max Web CSI: 0.059 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 79 /- /- /48 /4 /25 Wind reactions based on MWFRS C Brg Wid = 35.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

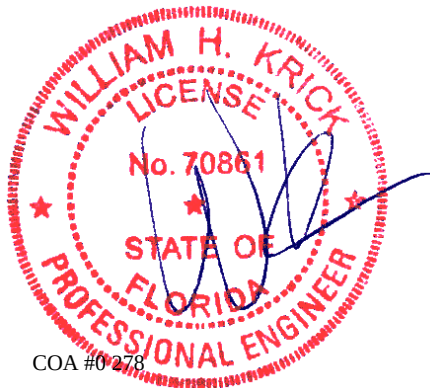
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.



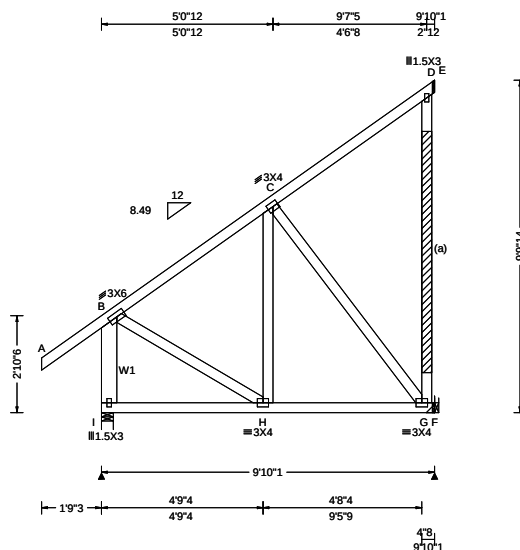
COA #0278

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SEQN: 66187 FROM: RJL	HIP_ Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JA 9'10"1 Hip Jack Girder	Cust: R 857 JRef: 1YdX8570003 T7 DrwNo: 276.25.1439.26823 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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): 0.003 H 999 360 VERT(CL): 0.006 H 999 240 HORZ(LL): 0.001 G - - HORZ(TL): 0.001 G - - Creep Factor: 2.0 Max TC CSI: 0.455 Max BC CSI: 0.242 Max Web CSI: 0.383 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 401 /- /- /7 /- /28 F 611 /- /- /12 /- /- Wind reactions based on MWFRS I Brg Wid = 4.2 Min Req = 1.5 (Truss) F Brg Wid = - Min Req = - Bearing I is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - I 0 -397

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #1;

Bracing

(a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" oc.

Hangers / Ties

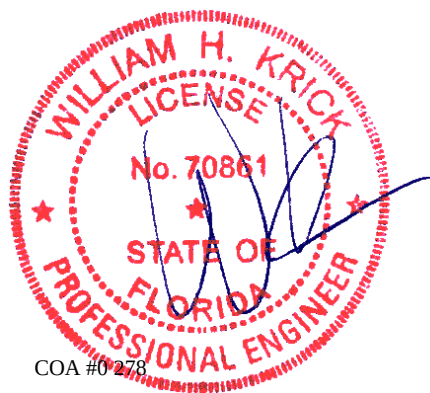
(J) Hanger Support Required, by others

Loading

Hipjack supports 6-11-8 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



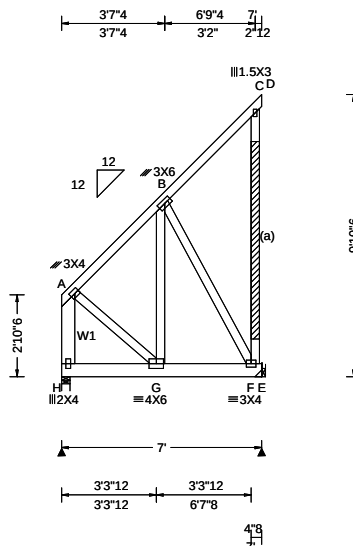
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Glenview, IL 60025

SEQN: 66161 FROM: RJL	EJAC Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JB 7" End Jack Girder	Cust: R 857 JRef: 1YdX8570003 T9 DrwNo: 276.25.1439.36813 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.46 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.008 G 999 360 VERT(CL): 0.015 G 999 240 HORZ(LL): 0.003 B - - HORZ(TL): 0.006 B - - Creep Factor: 2.0 Max TC CSI: 0.129 Max BC CSI: 0.299 Max Web CSI: 0.631 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 1093 /- /- /3 /- /44 E 900 /- /- /- /17 /- Wind reactions based on MWFRS H Brg Wid = 3.5 Min Req = 1.5 (Truss) E Brg Wid = - Min Req = - Bearing H is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. A - B 18 -615

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #1;

Bracing

(a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

Special Loads

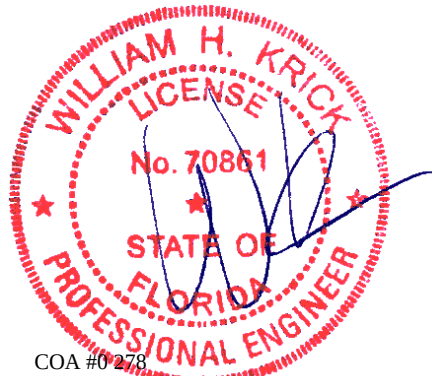
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 7.00
BC: From 10 plf at 0.00 to 10 plf at 7.00
BC: 501 lb Conc. Load at 1.00, 3.00, 5.00

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



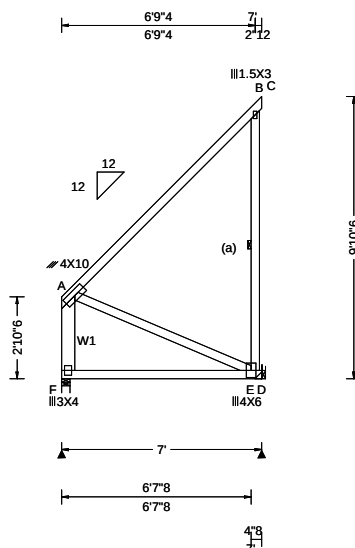
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Glenview, IL 60025

SEQN: 66180 FROM: RJL	EJAC Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JC 7" End Jack	Cust: R 857 JRef: 1YdX8570003 T11 DrwNo: 276.25.1439.38453 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.46 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 B 999 360 VERT(CL): 0.003 B 999 240 HORZ(LL): 0.002 B - - HORZ(TL): 0.007 B - - Creep Factor: 2.0 Max TC CSI: 0.589 Max BC CSI: 0.396 Max Web CSI: 0.185 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 276 /- /- /141 /- /187 D 283 /- /- /259 /126 /- Wind reactions based on MWFRS F Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = - Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. F - E 186 -380

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical exposed to wind pressure. Deflection meets L/360.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



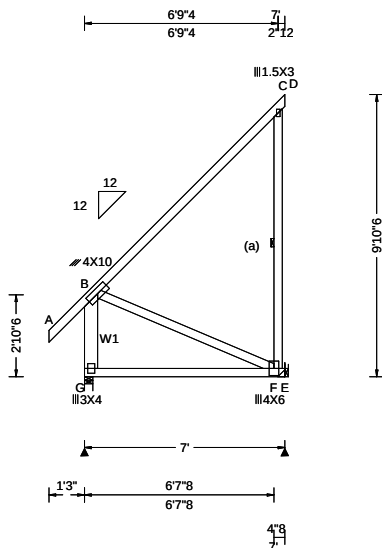
COA #0278

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Glenview, IL 60025

SEQN: 66177 FROM: RJL	EJAC Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JCa 7' End Jack	Cust: R 857 JRef: 1YdX8570003 T12 DrwNo: 276.25.1439.40637 GA / FV 10/03/2025
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Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3; W1 2x6 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" oc.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



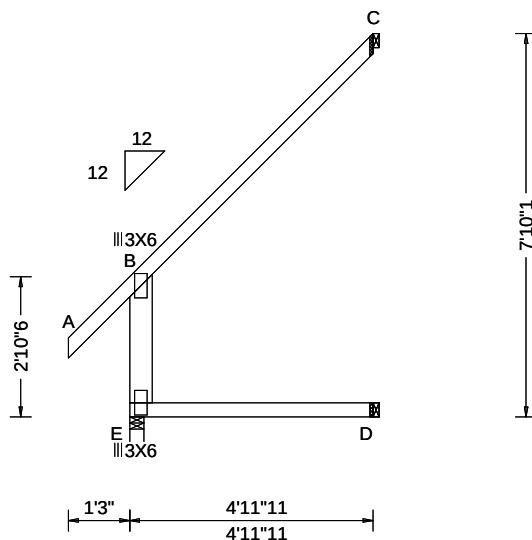
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SEQN: 66189 FROM: RJL	JACK Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JD 4'11"11 Jack	Cust: R 857 JRef: 1YdX8570003 T16 DrwNo: 276.25.1439.42593 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 360 VERT(CL): 0.001 B 999 240 HORZ(LL): 0.000 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.341 Max BC CSI: 0.248 Max Web CSI: 0.054 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 291 /- /- /233 /99 /- D 99 /- /- /50 /- /38 C 138 /- /- /92 /34 /147 Wind reactions based on MWFRS E Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x6 SP #1;

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Wind loading based on both gable and hip roof types.



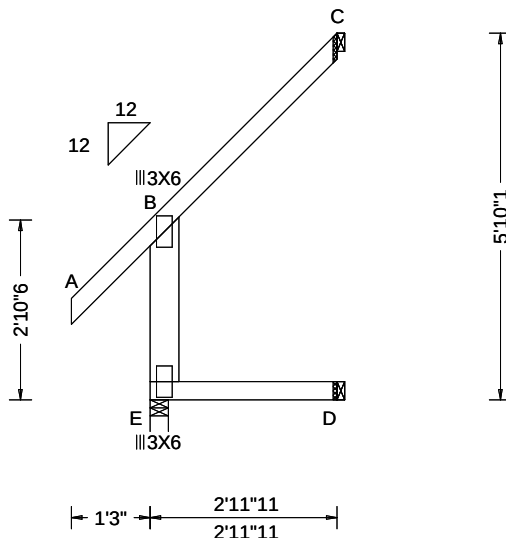
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Glenview, IL 60025

SEQN: 66191 FROM: RJL	JACK Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JE 2'11"11 Jack	Cust: R 857 JRef: 1YdX8570003 T66 DrwNo: 276.25.1439.44320 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 360 VERT(CL): 0.000 B 999 240 HORZ(LL): 0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.137 Max BC CSI: 0.081 Max Web CSI: 0.057 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 218 /- /- /175 /84 /- D 59 /- /- /30 /- /38 C 72 /- /- /83 /49 /106 Wind reactions based on MWFRS E Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

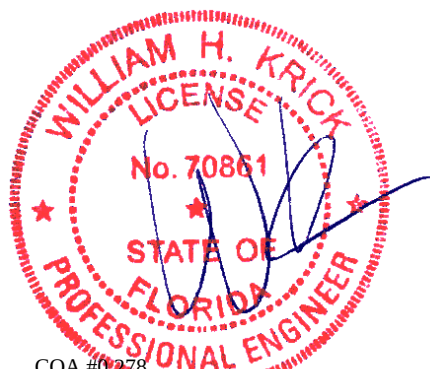
B - E 383 -188

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x6 SP #1;

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Wind loading based on both gable and hip roof types.



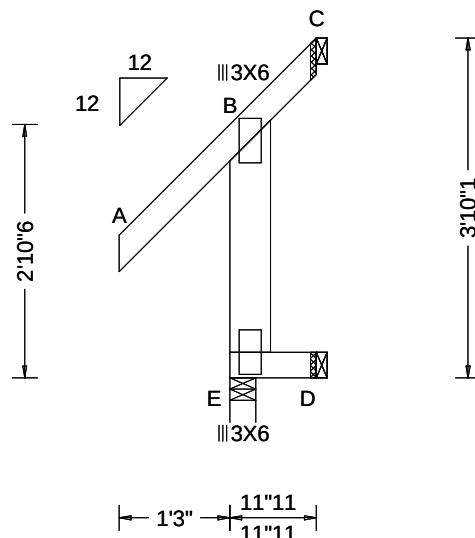
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155 Harlem Ave
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Glenview, IL 60025

SEQN: 66193 FROM: RJL	JACK Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JF 11"11 Jack	Cust: R 857 JRef: 1YdX8570003 T90 DrwNo: 276.25.1439.46080 GA / FV 10/03/2025
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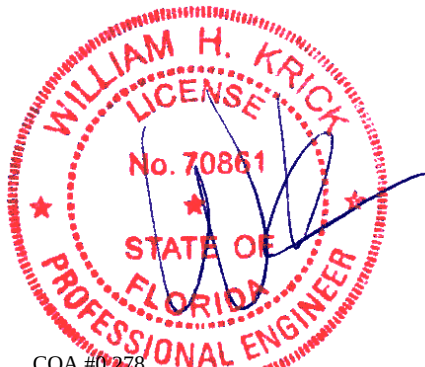
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 360 VERT(CL): 0.000 B 999 240 HORZ(LL): 0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.118 Max BC CSI: 0.008 Max Web CSI: 0.054 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 173 /- /- /134 /81 /- D 19 /- /- /10 /- /38 C - /-23 /- /86 /80 /72 Wind reactions based on MWFRS E Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x6 SP #1;

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Wind loading based on both gable and hip roof types.



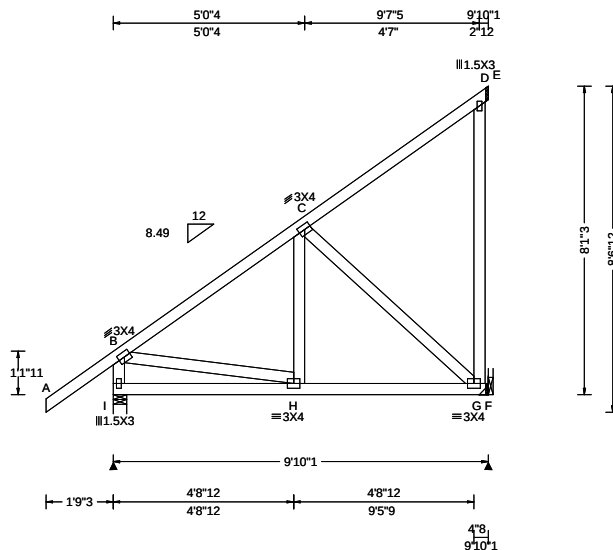
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Glenview, IL 60025

SEQN: 66237 FROM: RJL	HIP_ Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JG 9'10"1 Hip Jack Girder	Cust: R 857 JRef: 1YdX8570003 T1 DrwNo: 276.25.1439.47753 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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): 0.005 H 999 360 VERT(CL): 0.009 H 999 240 HORZ(LL): -0.002 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.471 Max BC CSI: 0.256 Max Web CSI: 0.308 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 401 /- /- /3 /- /- F 611 /- /- /16 /- /- Wind reactions based on MWFRS I Brg Wid = 4.2 Min Req = 1.5 (Truss) F Brg Wid = - Min Req = - Bearing I is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 0 -393

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Hipjack supports 6-11-8 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



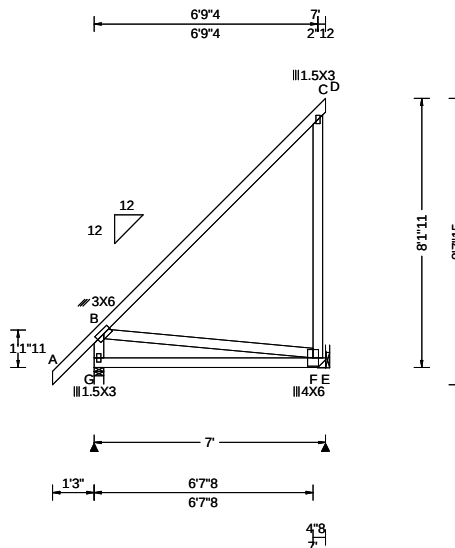
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SEQN: 66239 FROM: RJL	EJAC Ply: 1 Qty: 8	Job Number: B61800a DAVIS RESIDENCE Truss Label: JH 7' End Jack	Cust: R 857 JRef: 1YdX8570003 T30 DrwNo: 276.25.1439.49727 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.003 C 999 240 HORZ(LL): 0.002 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.673 Max BC CSI: 0.469 Max Web CSI: 0.263 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 365 -/- /160 -/- /161 E 275 -/- /227 /82 -/- Wind reactions based on MWFRS G Brg Wid = 3.5 Min Req = 1.5 (Truss) E Brg Wid = - Min Req = - Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. G - F 163 -401

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Hangers / Ties

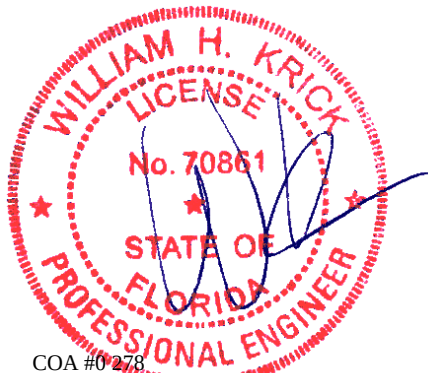
(J) Hanger Support Required, by others

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.



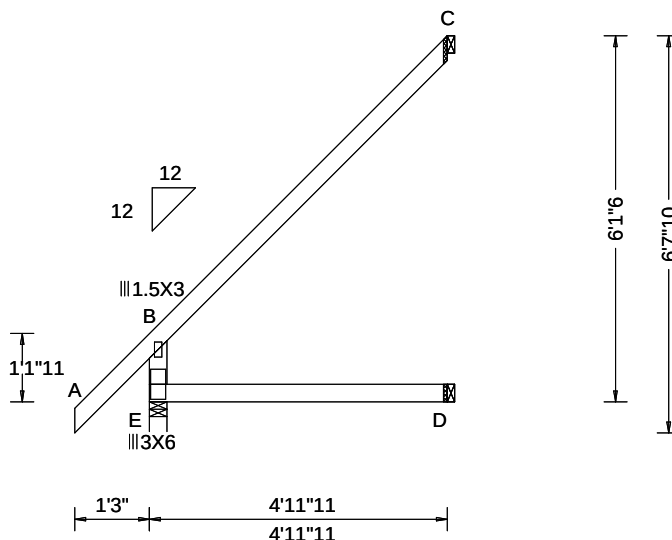
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Glenview, IL 60025

SEQN: 66241 FROM: RJL	JACK Ply: 1 Qty: 4	Job Number: B61800a DAVIS RESIDENCE Truss Label: JI 4'11"11 Jack	Cust: R 857 JRef: 1YdX8570003 T31 DrwNo: 276.25.1439.55357 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 360 VERT(CL): 0.000 B 999 240 HORZ(LL): 0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.450 Max BC CSI: 0.248 Max Web CSI: 0.125 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 291 /- /- /160 /70 /- D 99 /- /- /50 /- /- C 138 /- /- /69 /- /120 Wind reactions based on MWFRS E Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

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.



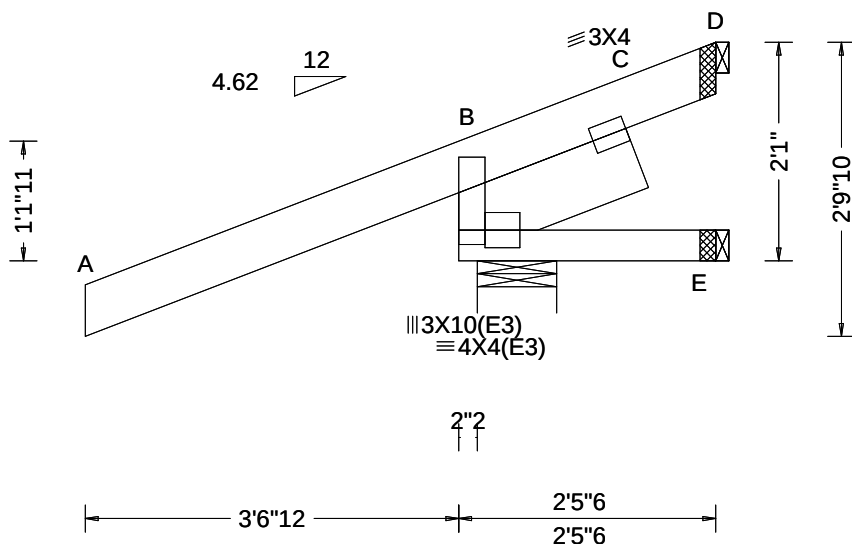
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Glenview, IL 60025

SEQN: 66219 FROM: RJL	HIP_ Qty: 1	Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JJA 2'5"6 Hip Jack Girder	Cust: R 857 JRef: 1YdX8570003 T26 DrwNo: 276.25.1440.00510 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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): NA VERT(CL): NA HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.157 Max BC CSI: 0.032 Max Web CSI: 0.001 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 210 /- /- /- /20 /- E 23 /- /- /4 /- /- D - /-57 /- /4 /- /- Wind reactions based on MWFRS B Brg Wid = 9.1 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#

Lumber

Top chord: 2x6 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x8 SP SS Dense; block length = 1.833'

Loading

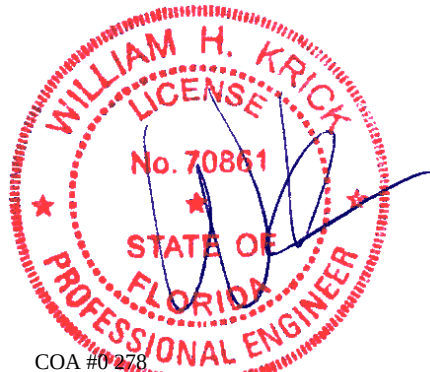
The following trusses need concentrated loads at the end of their overhangs: 1-8-13 span/setback member on the 0-1-8 cant side requires 13 lbs and the 1-8-13 span/setback member on the 0-1-8 cant side requires 13 lbs.

Sub-fascia beam assumptions: 3-2-13 sub-fascia beam on the 0-1-8 cantilever side. 3-2-13 sub-fascia beam on the 0-1-8 cantilever side.

Hipjack supports 1-8-13 setback jacks with 0-1-8 cantilever one face; 0-1-8 cantilever opposite face.

Wind

Wind loads and reactions based on MWFRS.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.



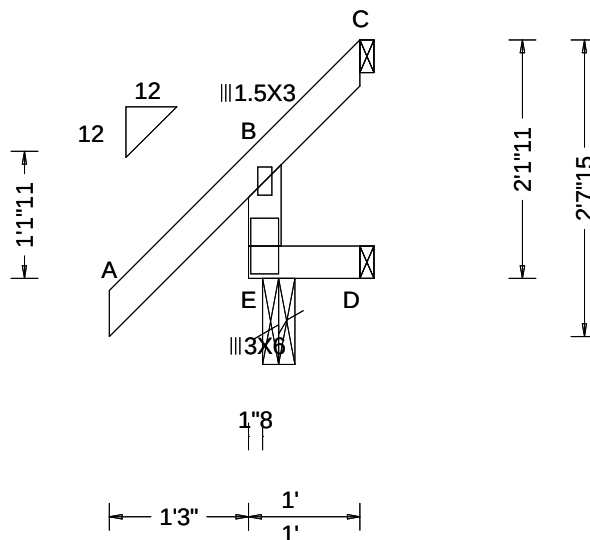
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Glenview, IL 60025

SEQN: 66221 FROM: RJL	EJAC Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JJB 1' End Jack	Cust: R 857 JRef: 1YdX8570003 T33 DrwNo: 276.25.1440.02057 GA / FV 10/03/2025
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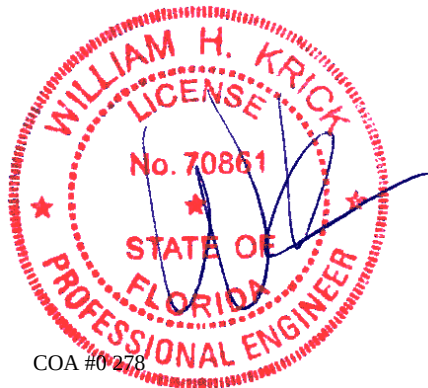
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 360 VERT(CL): 0.000 B 999 240 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.115 Max BC CSI: 0.008 Max Web CSI: 0.087 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 173 /- /- /48 /44 /- D 20 /- /- /10 /- /- C - /-21 /- /38 /- /39 Wind reactions based on MWFRS E Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Left cantilever is exposed to wind
Wind loading based on both gable and hip roof types.



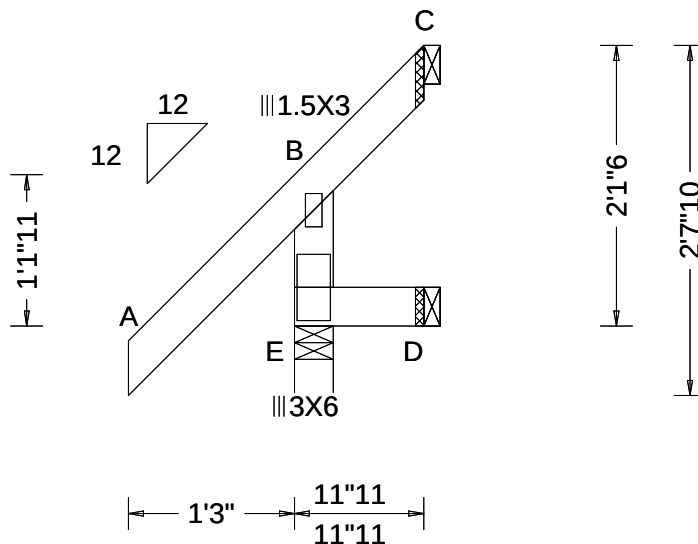
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66245 FROM: RJL	JACK Ply: 1 Qty: 4	Job Number: B61800a DAVIS RESIDENCE Truss Label: JK 11"11 Jack	Cust: R 857 JRef: 1YdX8570003 T35 DrwNo: 276.25.1440.03750 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 360 VERT(CL): 0.000 B 999 240 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.119 Max BC CSI: 0.008 Max Web CSI: 0.091 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 173 /- /- /48 /44 /- D 19 /- /- /10 /- /- C - /-23 /- /38 /- /38 Wind reactions based on MWFRS E Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;

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.



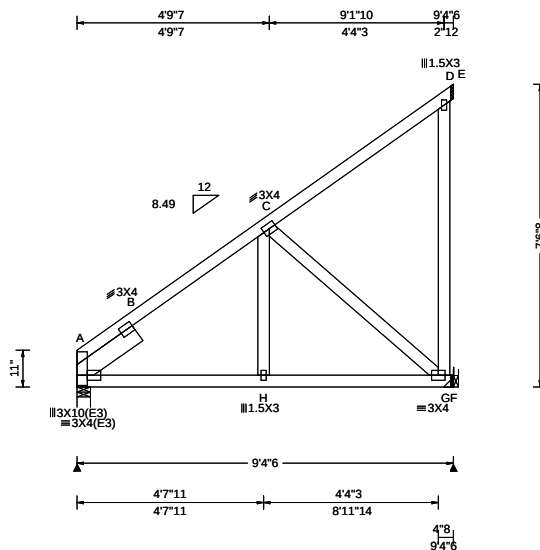
COA #0278

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Glenview, IL 60025

SEQN: 66328 FROM: RJL	HIP_ Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JL 9'4"6 Hip Jack Girder	Cust: R 857 JRef: 1YdX8570003 T37 DrwNo: 276.25.1440.06003 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.81 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.006 B 999 360 VERT(CL): -0.012 B 999 240 HORZ(LL): -0.007 B - - HORZ(TL): 0.015 B - - Creep Factor: 2.0 Max TC CSI: 0.400 Max BC CSI: 0.215 Max Web CSI: 0.260 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 274 /- /- /- /16 /- F 563 /- /- /- /33 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = - Min Req = - Bearing A 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. A - B 25 -392 B - C 23 -382

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.833'

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Hipjack supports 6-7-8 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.



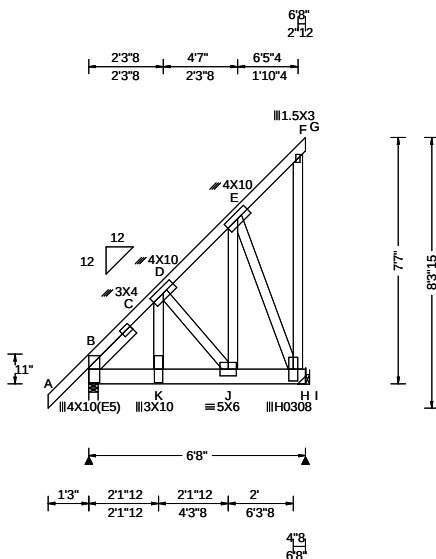
COA #0278

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Glenview, IL 60025

SEQN: 66314 FROM: RJL	EJAC Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JM 6'8" End Jack Girder	Cust: R 857 JRef: 1YdX8570003 T58 DrwNo: 276.25.1440.14280 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.21 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.035 K 999 360 VERT(CL): 0.037 K 999 240 HORZ(LL): 0.018 D - - HORZ(TL): 0.019 D - - Creep Factor: 2.0 Max TC CSI: 0.137 Max BC CSI: 0.382 Max Web CSI: 0.869 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 2085 /- /- /- /399 /- H 1764 /- /- /- /331 /- Wind reactions based on MWFRS B Brg Wid = 3.4 Min Req = 2.5 (Truss) H Brg Wid = - 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. Chords Tens. Comp. B - C 415 -2168 D - E 197 -1023 C - D 401 -2114

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.833'

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at -1.25 to 60 plf at 6.67
BC: From 6 plf at -1.25 to 6 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 6.67
BC: 1100 lb Conc. Load at 1.73, 2.60, 4.85

Hangers / Ties

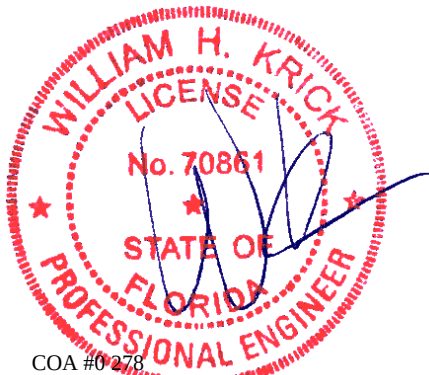
(J) Hanger Support Required, by others

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Blocking

Blocking reinforcement required to prevent buckling of members over the bearings:
Bearing 1 located at 0.0' (blocking >= 3.50" if used)



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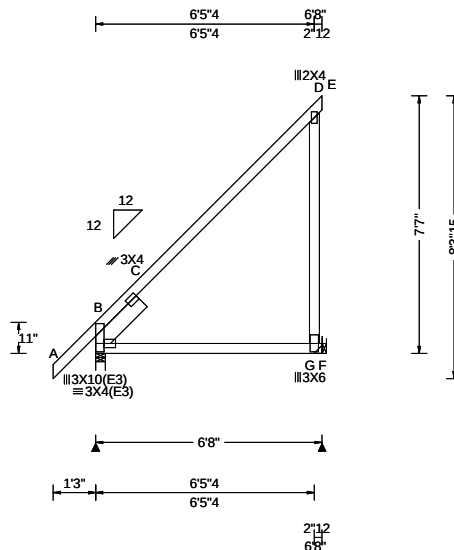
10/06/2025

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

SEQN: 66309 FROM: RJL	EJAC Ply: 1 Qty: 20	Job Number: B61800a DAVIS RESIDENCE Truss Label: JN 6'8" End Jack	Cust: R 857 JRef: 1YdX8570003 T50 DrwNo: 276.25.1440.16573 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.21 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.129 C - - HORZ(TL): 0.207 C - - Creep Factor: 2.0 Max TC CSI: 0.799 Max BC CSI: 0.529 Max Web CSI: 0.180 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 385 /- /- /153 /- /202 F 349 /- /- /215 /114 /- Wind reactions based on MWFRS B Brg Wid = 3.4 Min Req = 1.5 (Truss) F Brg Wid = - 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. B - C 502 -804

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.833'

Hangers / Ties

(J) Hanger Support Required, by others
(H2) = (J) Special hanger required (2)2x6 SP #1 supporting member.

Loading

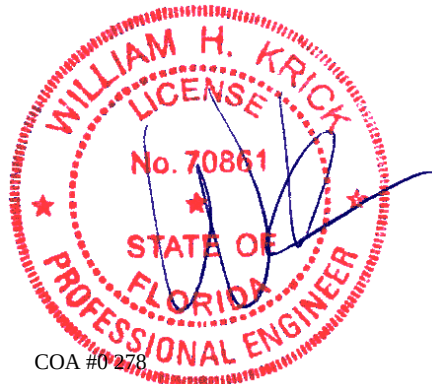
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



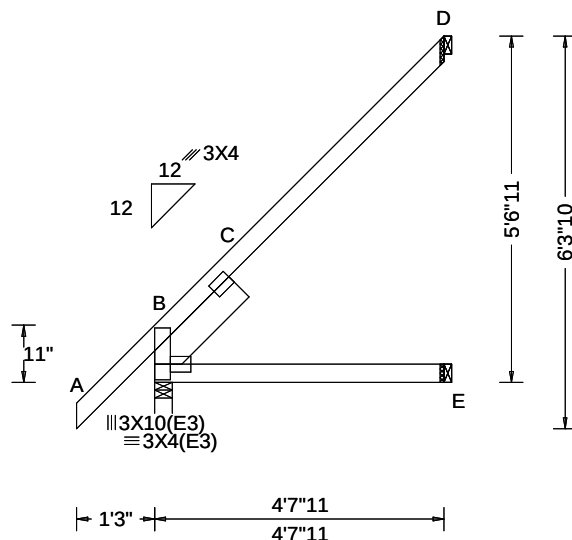
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66330 FROM: RJL	JACK Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JO 4'7"11 Jack	Cust: R 857 JRef: 1YdX8570003 T82 DrwNo: 276.25.1440.18420 GA / FV 10/03/2025
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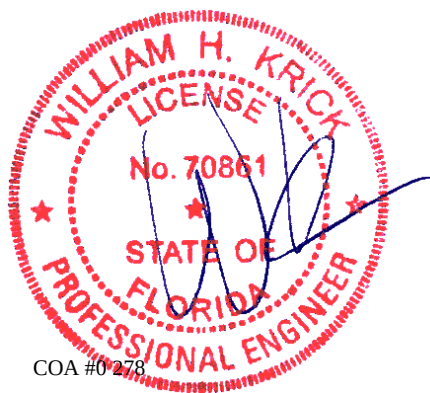
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 21.20 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.046 C - - HORZ(TL): 0.074 C - - Creep Factor: 2.0 Max TC CSI: 0.435 Max BC CSI: 0.196 Max Web CSI: 0.037 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 278 /- /- /115 /- /143 E 89 /- /- /53 /- /- D 120 /- /- /95 /88 /- Wind reactions based on MWFRS B Brg Wid = 3.4 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#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



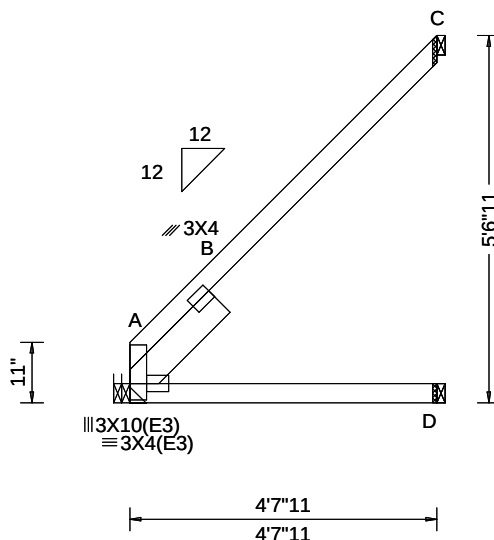
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66334 FROM: RJL	JACK Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JOa 4'7"11 Jack	Cust: R 857 JRef: 1YdX8570003 T86 DrwNo: 276.25.1440.20537 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 21.82 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.039 B - - HORZ(TL): 0.077 B - - Creep Factor: 2.0 Max TC CSI: 0.419 Max BC CSI: 0.201 Max Web CSI: 0.046 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 185 /- /- /92 /- /94 D 90 /- /- /54 /- /- C 128 /- /- /97 /66 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. A - B 200 -428

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Wind loading based on both gable and hip roof types.



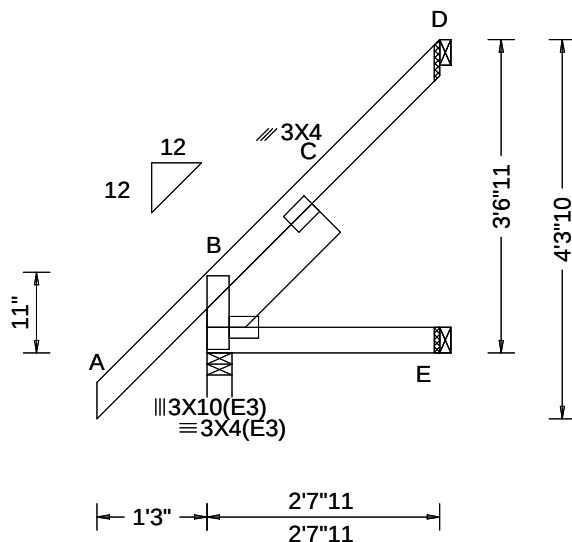
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155 Harlem Ave
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SEQN: 66332 FROM: RJL	JACK Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JP 2'7"11 Jack	Cust: R 857 JRef: 1YdX8570003 T83 DrwNo: 276.25.1440.22767 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.20 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.003 C - - HORZ(TL): 0.009 C - - Creep Factor: 2.0 Max TC CSI: 0.137 Max BC CSI: 0.056 Max Web CSI: 0.006 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 207 /- /- /77 /- /89 E 50 /- /- /29 /- /- D 58 /- /- /55 /52 /- Wind reactions based on MWFRS B Brg Wid = 3.4 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#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



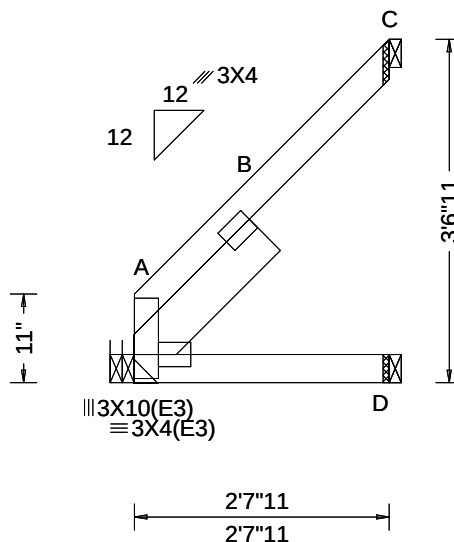
COA #0278

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SEQN: 66336 FROM: RJL	JACK Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JPa 2'7"11 Jack	Cust: R 857 JRef: 1YdX8570003 T87 DrwNo: 276.25.1440.24857 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.82 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.011 B - - HORZ(TL): 0.014 B - - Creep Factor: 2.0 Max TC CSI: 0.164 Max BC CSI: 0.058 Max Web CSI: 0.009 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 105 /- /- /52 /- /52 D 51 /- /- /29 /- /- C 75 /- /- /58 /43 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Wind loading based on both gable and hip roof types.



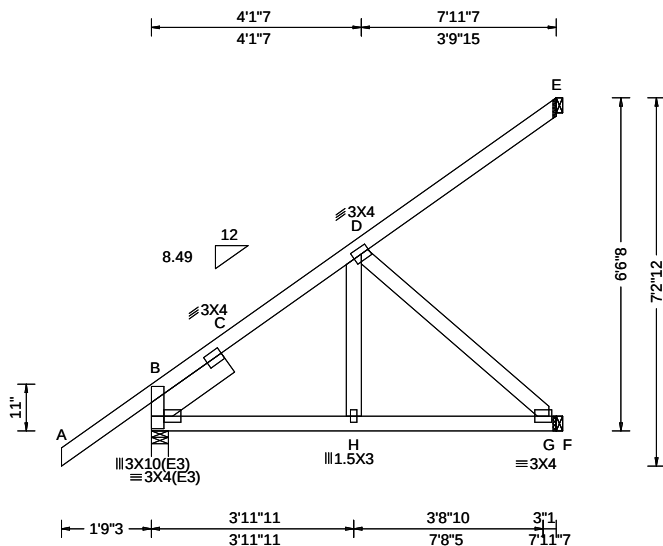
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SEQN: 66299 FROM: RJL	HIP_ Qty: 1	Ply: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JQ 7'11"7 Hip Jack Girder	Cust: R 857 JRef: 1YdX8570003 T53 DrwNo: 276.25.1440.27237 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 21.69 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.008 C 999 360 VERT(CL): -0.016 C 999 240 HORZ(LL): -0.009 C - - HORZ(TL): 0.018 C - - Creep Factor: 2.0 Max TC CSI: 0.259 Max BC CSI: 0.158 Max Web CSI: 0.137 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 275 /- /- /- /19 /- F 224 /- /- /20 /- /- E 165 /- /- /- /38 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 1.5 Min Req = - E 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 #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.833'

Loading

Hipjack supports 5-7-8 setback jacks with no webs.

Wind

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



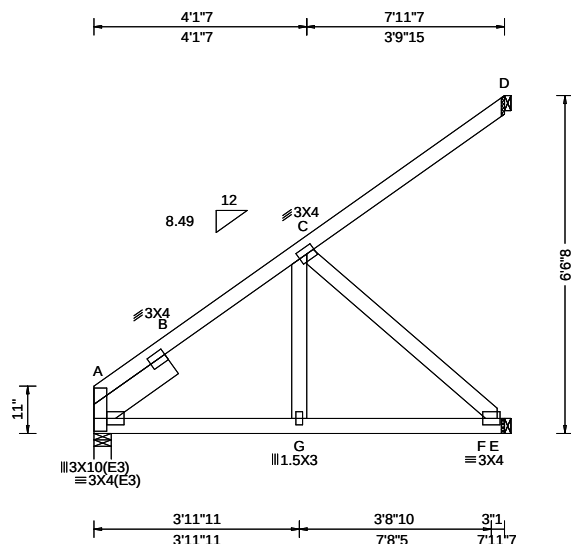
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SEQN: 66292 FROM: RJL	HIP_ Qty: 1	Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JQa 7'11"7 Hip Jack Girder	Cust: R 857 JRef: 1YdX8570003 T49 DrwNo: 276.25.1440.29333 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.31 ft TCDL: 4.2 psf BCDL: 5.2 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): 0.004 G 999 360 VERT(CL): 0.009 G 999 240 HORZ(LL): -0.004 B - - HORZ(TL): 0.007 B - - Creep Factor: 2.0 Max TC CSI: 0.247 Max BC CSI: 0.160 Max Web CSI: 0.149 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 199 /- /- /- /11 /- E 237 /- /- /17 /- /- D 161 /- /- /- /39 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x4 SP #3;
Lt Slider: 2x6 SP #1; block length = 1.833'

Loading

Hipjack supports 5-7-8 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



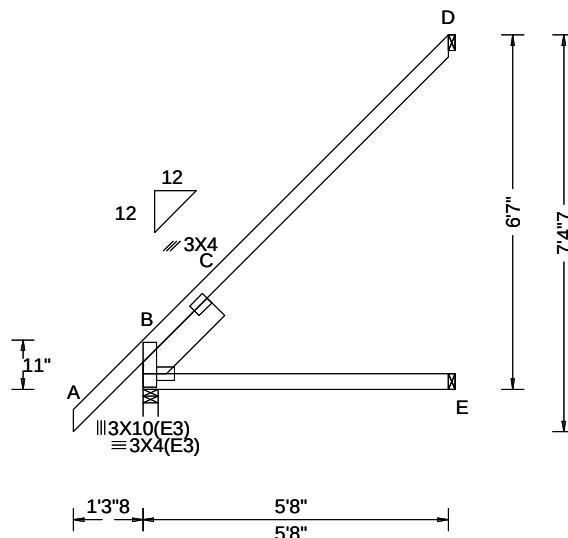
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155 Harlem Ave
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Glenview, IL 60025

SEQN: 66294 FROM: RJL	EJAC Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JR 5'8" End Jack	Cust: R 857 JRef: 1YdX8570003 T84 DrwNo: 276.25.1440.35727 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	320	/-	/-	/136	/-	/136
TCDL: 7.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA	E	109	/-	/-	/66	/-	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	149	/-	/-	/115	/78	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.060 C - -	Wind reactions based on MWFRS						
Des Ld: 37.00	EXP: B Kzt: NA	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.116 C - -	B Brg Wid = 3.4 Min Req = 1.5 (Truss)						
NCBCLL: 10.00	Mean Height: 21.69 ft		Creep Factor: 2.0	E Brg Wid = 1.5 Min Req = -						
Soffit: 2.00	TCDL: 4.2 psf		Max TC CSI: 0.475	D Brg Wid = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 5.2 psf		Max BC CSI: 0.303	Bearing B is a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.054	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.						
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 24.02.00C.1213.15							

B - C 229 -503

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



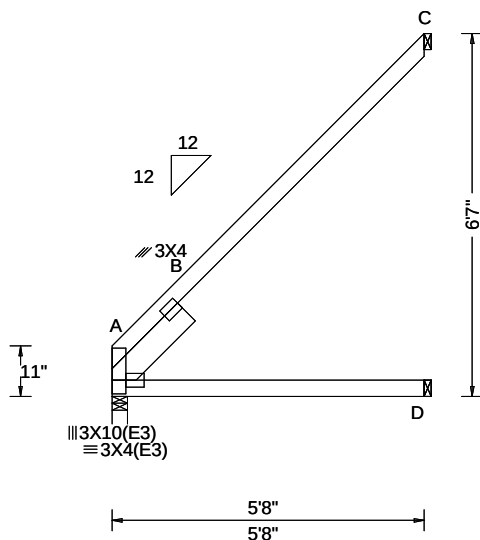
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Glenview, IL 60025

SEQN: 66297 FROM: RJL	EJAC Ply: 1 Qty: 6	Job Number: B61800a DAVIS RESIDENCE Truss Label: JRa 5'8" End Jack	Cust: R 857 JRef: 1YdX8570003 T59 DrwNo: 276.25.1440.38230 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 22.33 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No 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): 0.069 B - - HORZ(TL): 0.137 B - - Creep Factor: 2.0 Max TC CSI: 0.557 Max BC CSI: 0.310 Max Web CSI: 0.078 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 226 /- /- /112 /- /115 D 110 /- /- /66 /- /- C 155 /- /- /116 /79 /- Wind reactions based on MWFRS A Brg Wid = 3.4 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing A 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 #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



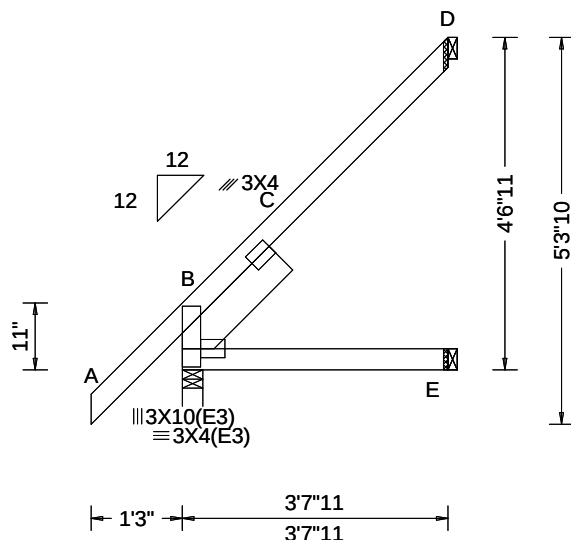
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Glenview, IL 60025

SEQN: 66301 FROM: RJL	JACK Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JS 3'7"11 Jack	Cust: R 857 JRef: 1YdX8570003 T6 DrwNo: 276.25.1440.39693 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.70 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No 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): 0.014 C - - HORZ(TL): 0.026 C - - Creep Factor: 2.0 Max TC CSI: 0.201 Max BC CSI: 0.114 Max Web CSI: 0.014 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 241 /- /- /96 /- /94 E 70 /- /- /41 /- /- D 90 /- /- /76 /54 /- Wind reactions based on MWFRS B Brg Wid = 3.4 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#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



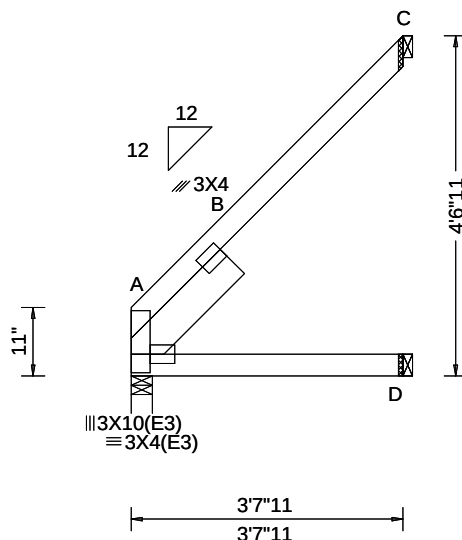
COA #0278

10/06/2022
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155 Harlem Ave
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Glenview, IL 60025

SEQN: 66305 FROM: RJL	JACK Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JSa 3'7"11 Jack	Cust: R 857 JRef: 1YdX8570003 T61 DrwNo: 276.25.1440.41813 GA / FV 10/03/2025
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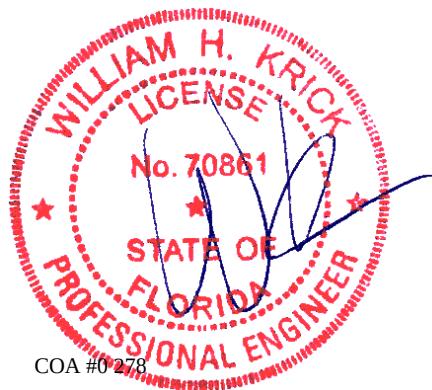
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 21.32 ft TCDL: 4.2 psf BCDL: 5.2 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: No 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): 0.024 B - - HORZ(TL): 0.038 B - - Creep Factor: 2.0 Max TC CSI: 0.285 Max BC CSI: 0.118 Max Web CSI: 0.022 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 145 /- /- /72 /- /73 D 71 /- /- /41 /- /- C 102 /- /- /77 /55 /- Wind reactions based on MWFRS A Brg Wid = 3.4 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



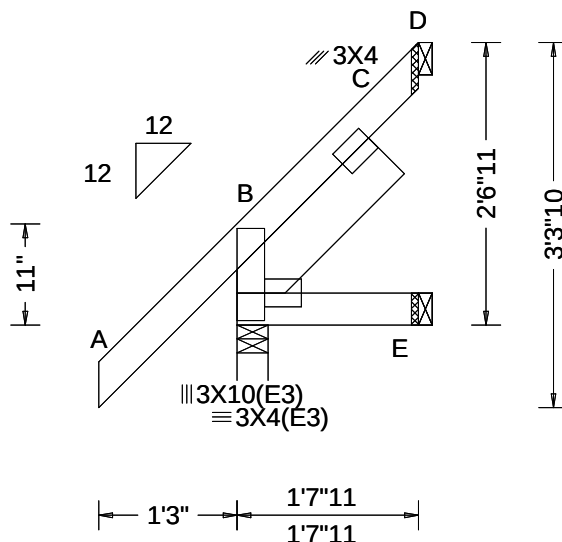
COA #0 278

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Glenview, IL 60025

SEQN: 66303 FROM: RJL	JACK Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JT 17"11 Jack	Cust: R 857 JRef: 1YdX8570003 T51 DrwNo: 276.25.1440.44267 GA / FV 10/03/2025
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	178	/-	/-	/60	/-	/63
TCDL: 7.00	Speed: 120 mph	Pf: NA Ce: NA	VERT(LL): NA	E	31	/-	/-	/17	/-	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	17	/-	/-	/34	/34	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B - -	Wind reactions based on MWFRS						
	EXP: B Kzt: NA		HORZ(TL): 0.002 C - -	B	Brg Wid = 3.4		Min Req = 1.5 (Truss)			
Des Ld: 37.00	Mean Height: 19.70 ft		Creep Factor: 2.0	E	Brg Wid = 1.5		Min Req = -			
NCBCLL: 10.00	TCDL: 4.2 psf	Building Code:	Max TC CSI: 0.120	D	Brg Wid = 1.5		Min Req = -			
Soffit: 2.00	BCDL: 5.2 psf	FBC 8th Ed. 2023 Res.	Max BC CSI: 0.020	Bearing B is a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.004	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No								
	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: 24.02.00C.1213.15							

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



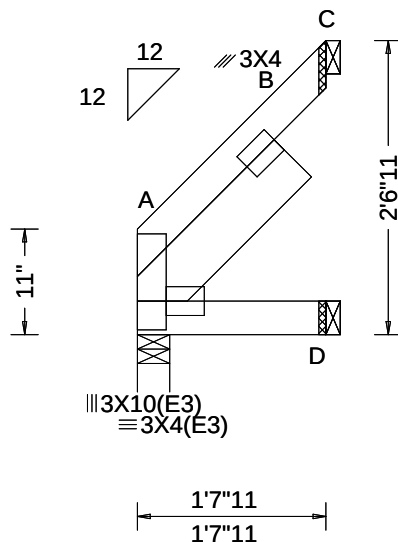
COA #0 278

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Glenview, IL 60025

SEQN: 66307 FROM: RJL	JACK Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JTa 1'7"11 Jack	Cust: R 857 JRef: 1YdX8570003 T52 DrwNo: 276.25.1440.54213 GA / FV 10/03/2025
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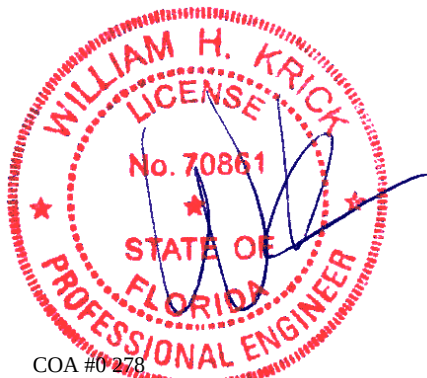
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.32 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No 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): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.067 Max BC CSI: 0.020 Max Web CSI: 0.002 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 65 /- /- /32 /- /32 D 31 /- /- /17 /- /- C 48 /- /- /39 /31 /- Wind reactions based on MWFRS A Brg Wid = 3.4 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



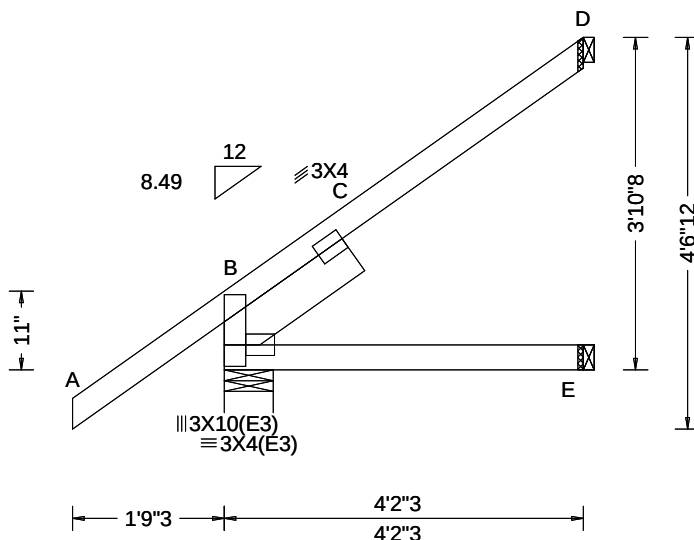
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Glenview, IL 60025

SEQN: 66253 FROM: RJL	HIP_	Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JU 4'2"3 Hip Jack Girder	Cust: R 857 JRef: 1YdX8570003 T42 DrwNo: 276.25.1440.55860 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.35 ft TCDL: 4.2 psf BCDL: 5.2 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): NA VERT(CL): NA HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.228 Max BC CSI: 0.049 Max Web CSI: 0.007 VIEW Ver: 24.02.00C.1213.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 164 /- /- /- /14 /- E 25 /- /- /13 /- /- D 55 /- /- /- /13 /- Wind reactions based on MWFRS B Brg Wid = 6.9 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#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Loading

Hipjack supports 2-11-8 setback jacks with no webs.

Wind

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



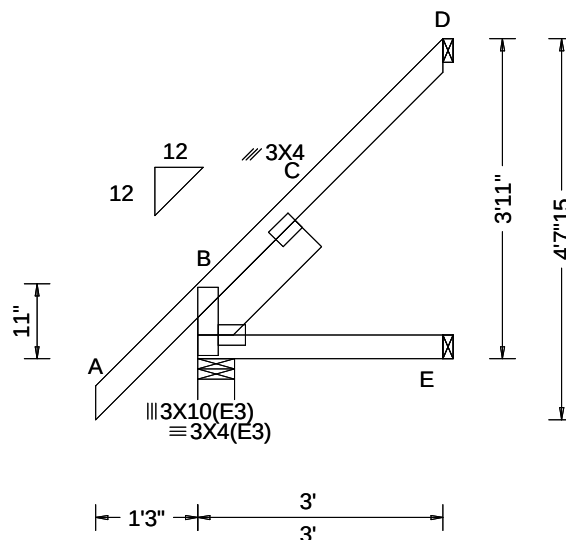
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Glenview, IL 60025

SEQN: 66251 FROM: RJL	EJAC Ply: 1 Qty: 15	Job Number: B61800a DAVIS RESIDENCE Truss Label: JV 3' End Jack	Cust: R 857 JRef: 1YdX8570003 T41 DrwNo: 276.25.1440.57300 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.38 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 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: No 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): 0.006 C - - HORZ(TL): 0.012 C - - Creep Factor: 2.0 Max TC CSI: 0.145 Max BC CSI: 0.075 Max Web CSI: 0.008 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 219 /- /- /84 /- /80 E 57 /- /- /33 /- /- D 70 /- /- /63 /46 /- Wind reactions based on MWFRS B Brg Wid = 5.4 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#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Lt Slider: 2x6 SP #1; block length = 1.833'

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.



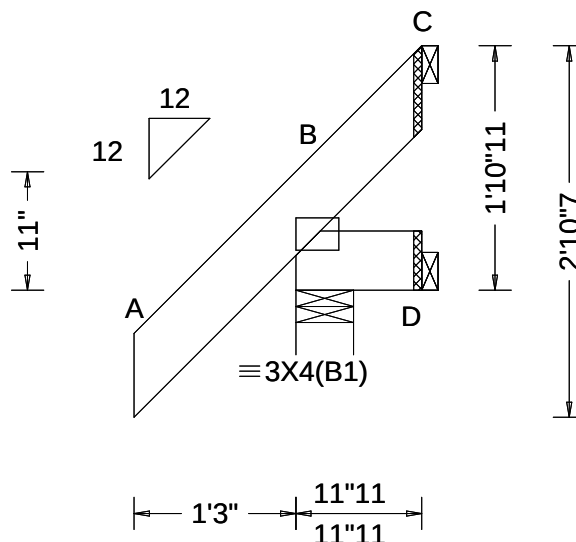
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66255 FROM: RJL	JACK Ply: 1 Qty: 4	Job Number: B61800a DAVIS RESIDENCE Truss Label: JW 11"11 Jack	Cust: R 857 JRef: 1YdX8570003 T40 DrwNo: 276.25.1440.59437 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 19.36 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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: No 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 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.049 Max BC CSI: 0.005 Max Web CSI: 0.000 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 192 /- /- /58 /5 /46 D 16 /- /- /8 /- /- C - /-36 /- /16 /11 /- Wind reactions based on MWFRS B Brg Wid = 5.4 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#

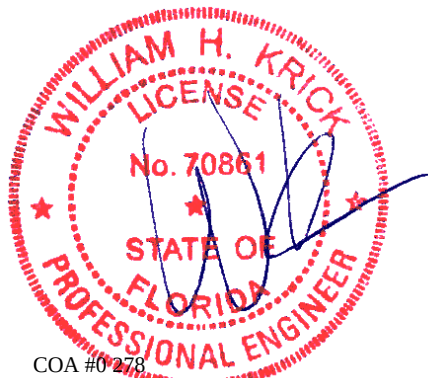
Lumber

Top chord: 2x6 SP #1;
Bot chord: 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.



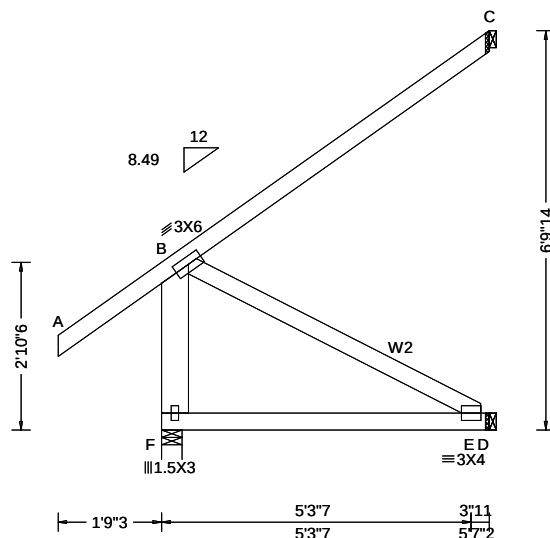
COA #0278

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

SEQN: 66205 FROM: RJL	HIP_ Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JX 5'7"2 Hip Jack Girder	Cust: R 857 JRef: 1YdX8570003 T21 DrwNo: 276.25.1441.02820 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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): 0.001 E 999 360 VERT(CL): 0.003 E 999 240 HORZ(LL): 0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.243 Max BC CSI: 0.128 Max Web CSI: 0.025 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 176 /- /- /5 /- /28 D 54 /- /- /17 /- /- C 126 /- /- /- /18 /- Wind reactions based on MWFRS F Brg Wid = 4.2 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375#

Lumber

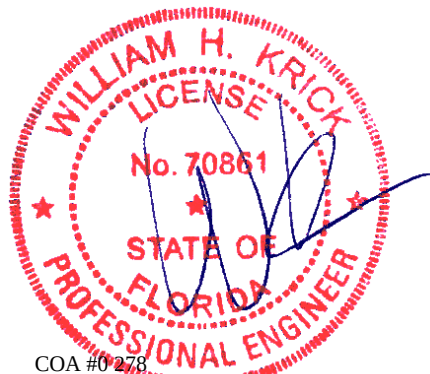
Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x6 SP #1; W2 2x4 SP #3;

Loading

Hipjack supports 3-11-8 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Wind loading based on both gable and hip roof types.



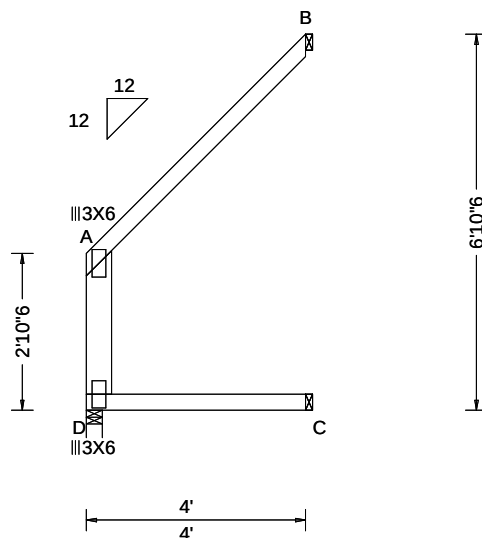
COA #0278

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

SEQN: 66207 FROM: RJL	EJAC Ply: 1 Qty: 2	Job Number: B61800a DAVIS RESIDENCE Truss Label: JY 4' End Jack	Cust: R 857 JRef: 1YdX8570003 T17 DrwNo: 276.25.1441.04317 GA / FV 10/03/2025
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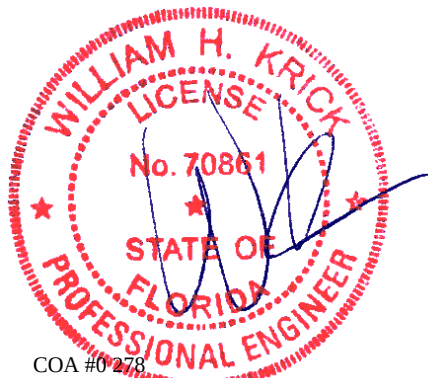
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 A 999 360 VERT(CL): 0.000 A 999 240 HORZ(LL): 0.000 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.305 Max BC CSI: 0.155 Max Web CSI: 0.039 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 160 /- /- /169 /51 /- C 80 /- /- /40 /- /39 B 120 /- /- /58 /24 /98 Wind reactions based on MWFRS D Brg Wid = 3.5 Min Req = 1.5 (Truss) C Brg Wid = 1.5 Min Req = - B Brg Wid = 1.5 Min Req = - Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x6 SP #1;

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Wind loading based on both gable and hip roof types.



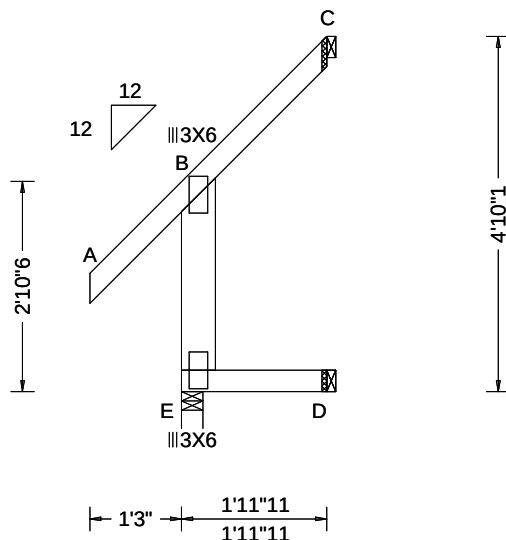
COA #0278

10/06/2025
Florida Certificate of Product Approval #FL 1999

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

SEQN: 66209 FROM: RJL	JACK Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JZ 1'11"11 Jack	Cust: R 857 JRef: 1YdX8570003 T10 DrwNo: 276.25.1441.05947 GA / FV 10/03/2025
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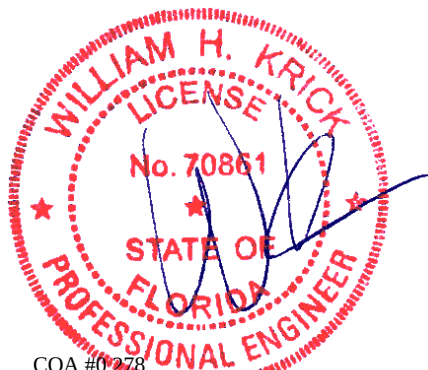
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: h/2 to h 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 360 VERT(CL): 0.000 B 999 240 HORZ(LL): 0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.102 Max BC CSI: 0.034 Max Web CSI: 0.047 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 186 /- /- /149 /79 /- D 39 /- /- /20 /- /38 C 33 /- /- /81 /59 /87 Wind reactions based on MWFRS E Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x6 SP #1;

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Wind loading based on both gable and hip roof types.



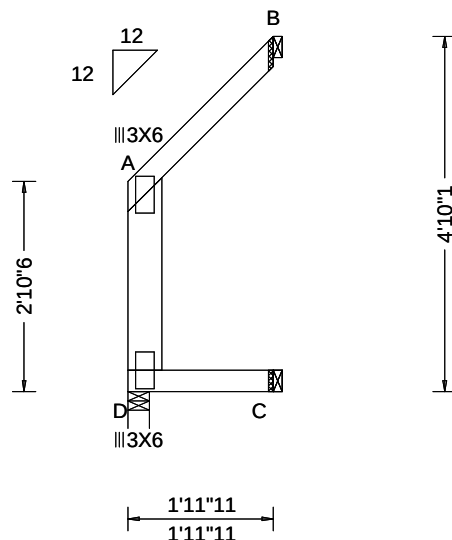
COA #0278

10/06/2025
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 66211 FROM: RJL	JACK Ply: 1 Qty: 1	Job Number: B61800a DAVIS RESIDENCE Truss Label: JZa 1'11"11 Jack	Cust: R 857 JRef: 1YdX8570003 T18 DrwNo: 276.25.1441.07430 GA / FV 10/03/2025
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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: 7.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 37.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 120 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 4.2 psf BCDL: 5.2 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 A 999 360 VERT(CL): 0.000 A 999 240 HORZ(LL): 0.000 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.071 Max BC CSI: 0.034 Max Web CSI: 0.041 VIEW Ver: 24.02.00C.1213.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D 79 /- /- /106 /36 /- C 39 /- /- /20 /- /39 B 59 /- /- /42 /35 /68 Wind reactions based on MWFRS D Brg Wid = 3.5 Min Req = 1.5 (Truss) C Brg Wid = 1.5 Min Req = - B Brg Wid = 1.5 Min Req = - Bearing D is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #1;
Bot chord: 2x4 SP #1;
Webs: 2x6 SP #1;

Wind

Wind loads based on MWFRS with additional C&C member design.
Left end vertical exposed to wind pressure. Deflection meets L/360.
Wind loading based on both gable and hip roof types.



COA #0278

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

Cracked or Broken Member Repair Detail

This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

(B) = Damaged area, 12" max length of damaged section
(L) = Minimum nailing distance on each side of damaged area (B)
(S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face.
Minimum side member length(s) = (2)(L) + (B)

Scab member length (S) must be within the broken panel.

Nail into 2x4 members using two (2) rows at 4" o.c., rows staggered.
Nail into 2x6 members using three (3) rows at 4" o.c., rows staggered.

Nail using 10d box or gun nails (0.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

This repair detail may be used for broken connector plate at mid-panel splices.

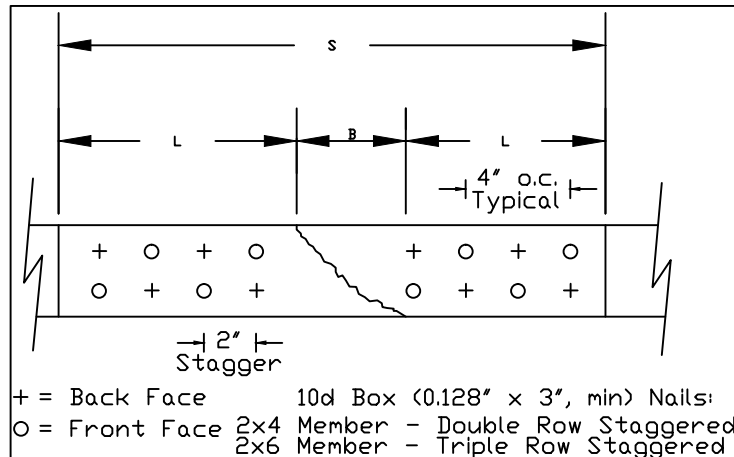
This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

Broken chord may not support any tie-in loads.

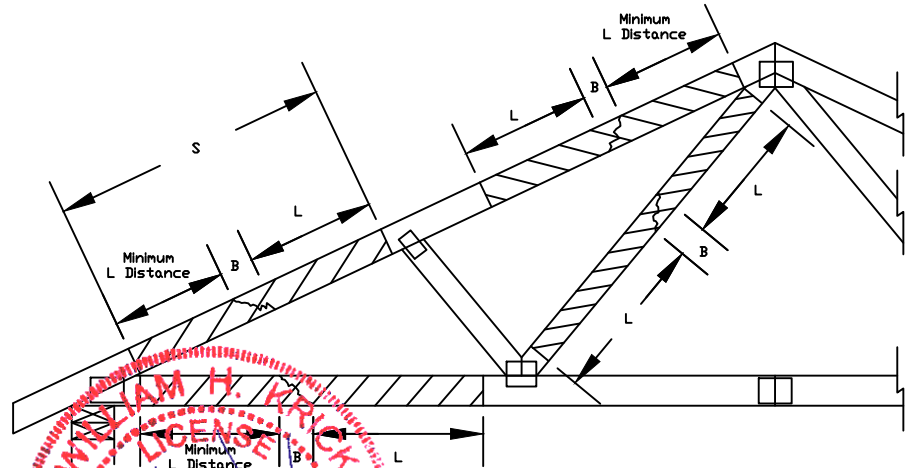
Load Duration = 0%

Member forces may be increased for Duration of Load

Member	Size	L	Maximum Member Axial Force			
			SPF-C	HF	DF-L	SYP
Web Only	2x4	12"	620#	635#	730#	800#
Web Only	2x4	18"	975#	1055#	1295#	1415#
Web or Chord	2x4	24"	975#	1055#	1495#	1745#
Web or Chord	2x6		1465#	1585#	2245#	2620#
Web or Chord	2x4	30"	1910#	1960#	2315#	2555#
Web or Chord	2x6		2230#	2365#	3125#	3575#
Web or Chord	2x4	36"	2470#	2530#	2930#	3210#
Web or Chord	2x6		3535#	3635#	4295#	4745#
Web or Chord	2x4	42"	2975#	3045#	3505#	3835#
Web or Chord	2x6		4395#	4500#	5225#	5725#
Web or Chord	2x4	48"	3460#	3540#	4070#	4445#
Web or Chord	2x6		5165#	5280#	6095#	6660#



Nail Spacing Detail



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

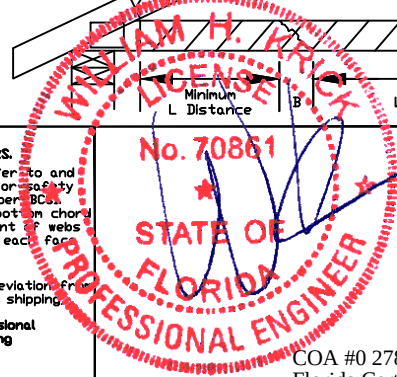
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For more information see this Job's general notes page and these web sites:
ALPINE: www.alpineitw.com TPI: www.tpinet.org SBCA: www.sbcacomponents.com ICC: www.icccsa.org



COA #0 278

Florida Certificate of Approval #999

10/06/2025

BRACING 24.0' MAX

REF MEMBER REPAIR

DATE 10/01/14

DRWG REPCHRD1014

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)

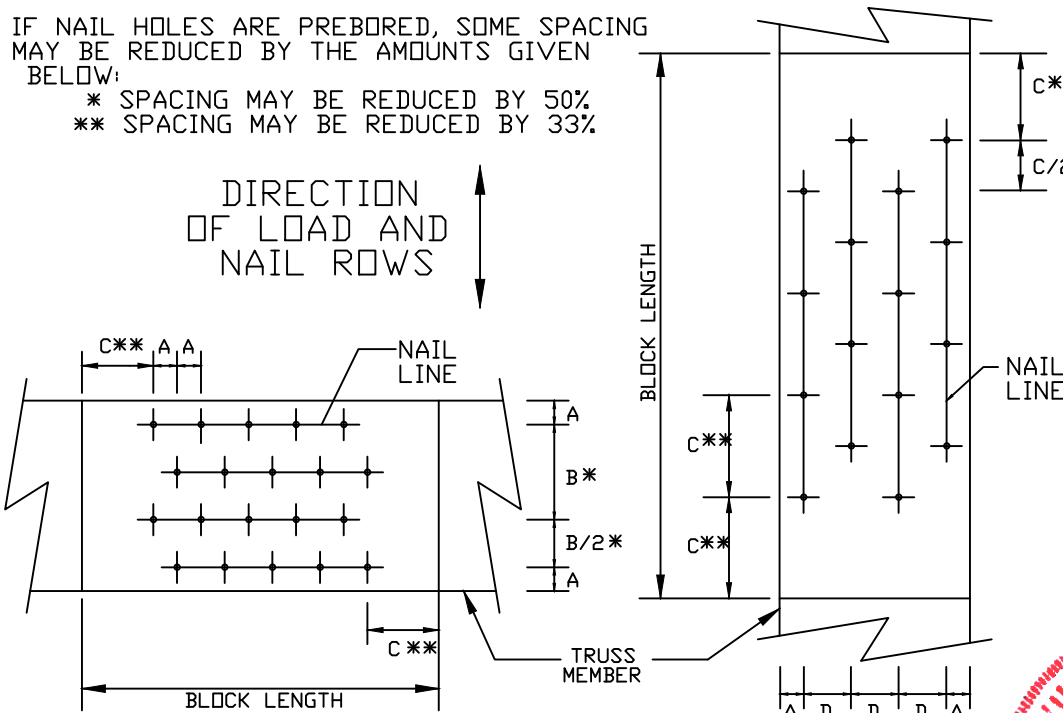
C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

* SPACING MAY BE REDUCED BY 50%

** SPACING MAY BE REDUCED BY 33%



MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"	1"
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"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (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 COMMON (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"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"	1"

LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN

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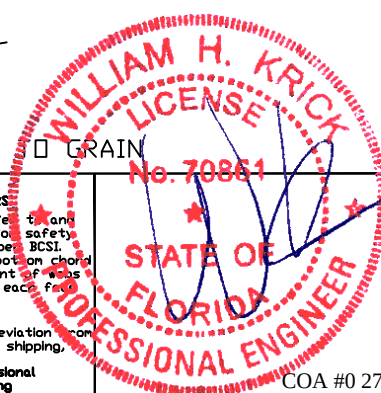
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155 Harlem Ave
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 Glenview, IL 60025



COA #0 278

10/06/2025

Florida Certificate of Product Approval #FL 1999

REF NAIL SPACE
 DATE 10/01/14
 DRWG CNNAILSP1014

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.

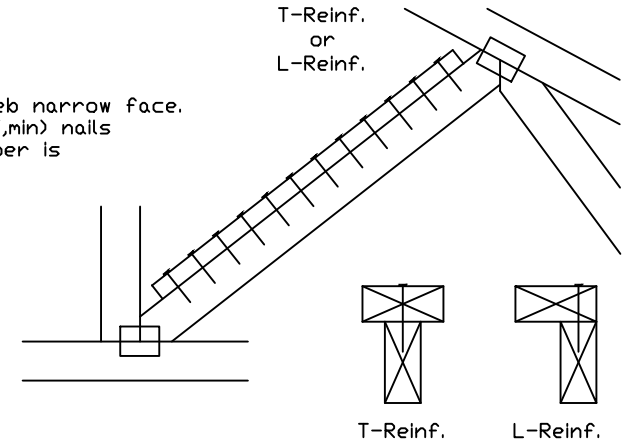
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x6(✕)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(✕)

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.

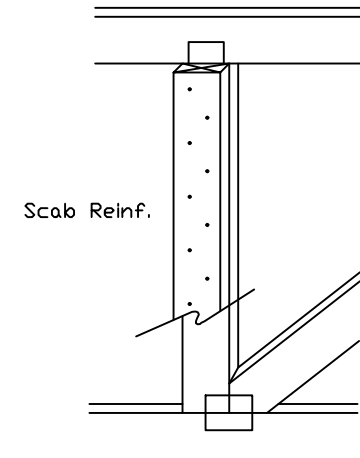
T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



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) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



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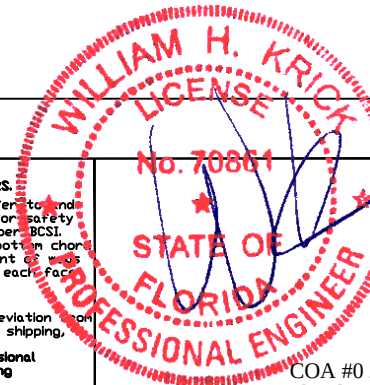
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TC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TOT. LD.	PSF		
COA #0 278	DUR. FAC.		
FLORIDA CERTIFICATE OF PRODUCT APPROVAL #FL 1999	SPACING		

Valley Detail - ASCE 7-22: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
 Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
 Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

**** Attach each valley to every supporting truss with:**
 535# connection or with (1) Simpson H2.5A or
 equivalent connector for
 ASCE 7-22 180 mph. 30' Mean Height, Part. Enc.
 Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
 Or
 ASCE 7-22 160 mph. 30' Mean Height, Part. Enc.
 Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut
 as shown.

Valleys short enough to be cut as solid triangular
 members from a single 2x6, or larger as required,
 shall be permitted in lieu of fabricating from
 separate 2x4 members.

All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical
 valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of
 web, same species and grade or better, attached with 10d box
 (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous
 Lateral Restraint applied at mid-length of web is permitted with diagonal
 bracing as shown in DRWG BRCLBANC1014.

Top chord of truss beneath valley set must be braced with:
 properly attached, rated sheathing applied prior to valley truss
 installation.

Or

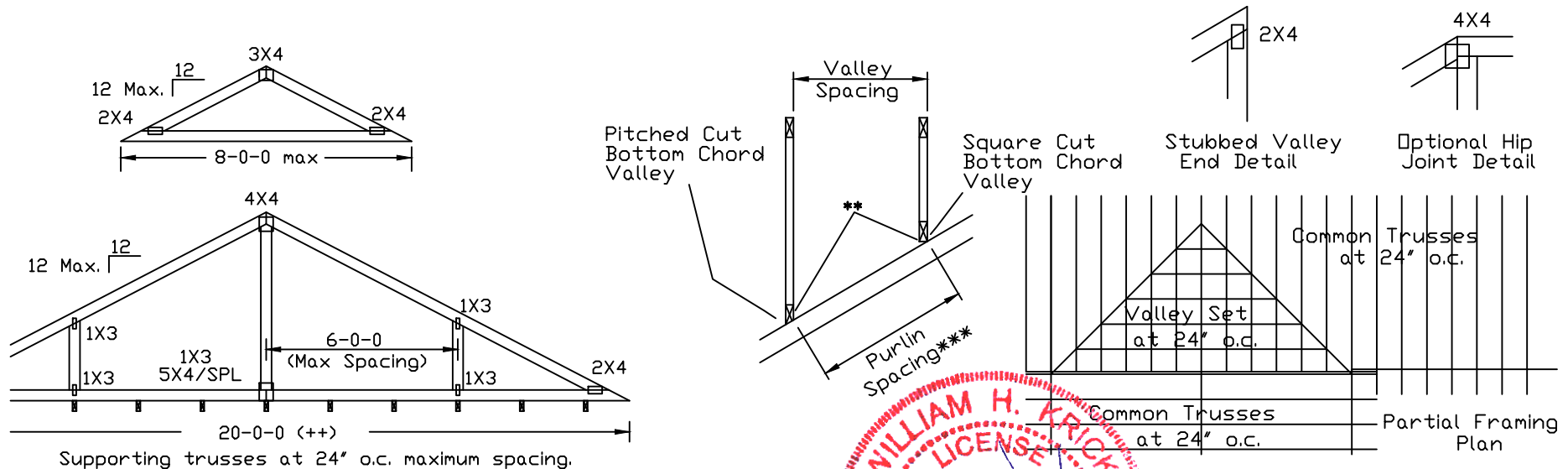
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

Or

By valley trusses used in lieu of purlin spacing as specified on
 Engineer's sealed design.

***** Note that the purlin spacing for bracing the top chord of the truss
 beneath the valley is measured along the slope of the top chord.**

**++ Larger spans may be built as long as the vertical height does
 not exceed 14'-0".**



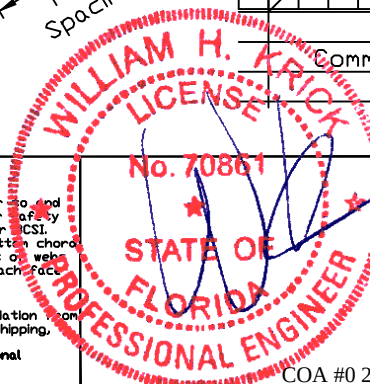
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TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE	07/03/2023
BC DL	10	10	10 PSF	DRWG	VAL180220723
BC LL	0	0	0PSF		
TOT. LD.	60	55	57PSF		
SPACING	24.0				

COA #0 278
 Florida Certificate of Product Approval #FL 1999

Valley Detail - ASCE 7-22: 30' Mean Height, Enclosed, Exp. C, $K_{zt}=1.00$

Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better.
Bot Chord 2x4 SP #2N or SPF #1/#2 or better.
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

*** Attach each valley to every supporting truss with:
(2) 16d box (0.135" x 3.5") nails toe-nailed for
ASCE 7-22, 30' Mean Height, Enclosed Building, Exp. C,
Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on
supporting truss material at connection location:
140 mph for SP (G = 0.55, min.),
125 mph for DF-L (G = 0.50, min.), or
105 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses may be square or pitched cut as shown.

Valleys short enough to be cut as solid triangular members from a single 2x6, or larger as required, shall be permitted in lieu of fabricating from separate 2x4 members.

All plates shown are Alpine Wave Plates.

Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied at mid-length of web is permitted with diagonal bracing as shown in DRWG BRCLBANC1014.

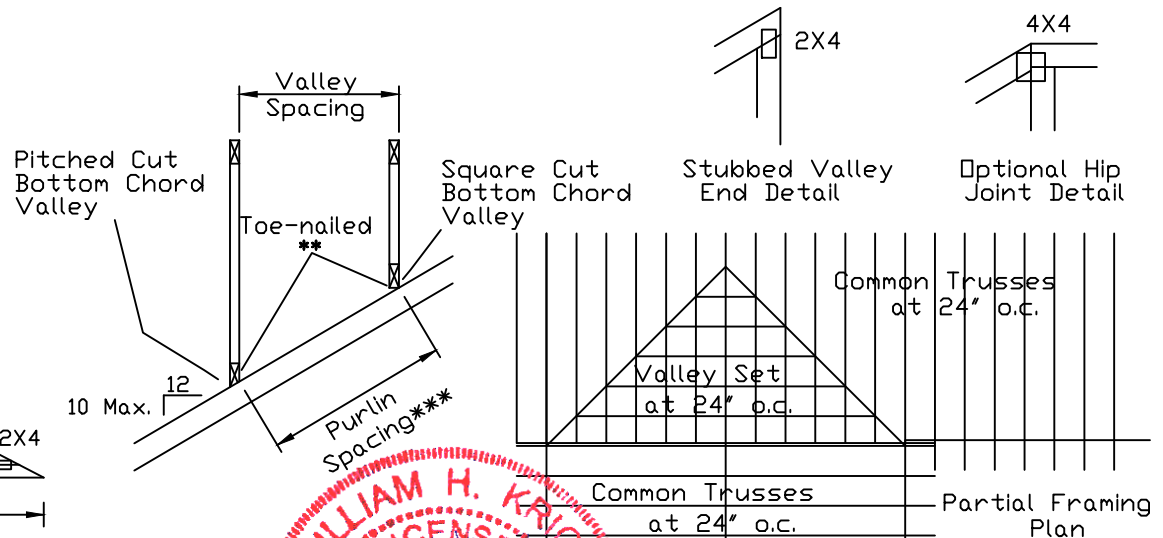
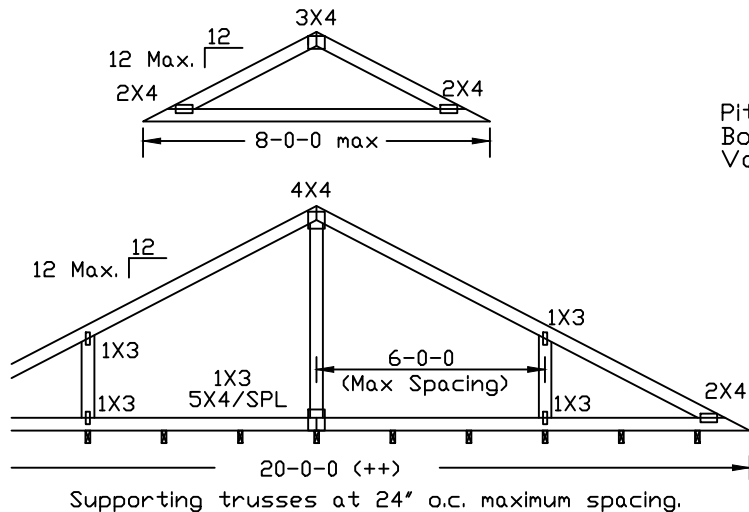
Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley truss installation.

Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



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No. 70861

COA #0 278

Florida Certificate

TC LL	30	30	40PSF	REF VALLEY DETAIL
TC DL	20	15	7 PSF	DATE 07/03/2023
BC DL	10	10	10 PSF	DRWG VALTN220723
BC LL	0	0	0 PSF	
TOT. LD.	60	55	57PSF	
DURAC 125	1.15	1.15		
SPAC 125	1.33	1.15		

Gable End Wind Bracing Details - Stiffback w/ Diagonal Bracing

Apply single or double stiffback as per Engineer's sealed truss design referencing this detail.

Refer to Engineer's sealed truss design for additional information not provided on this detail.

The required locations for lateral restraint or bracing depicted on this detail are for the permanent lateral transfer and support to transfer load and reduce buckling lengths. Details shall be specified by the Building Designer or other Registered Design Professional. This Detail does 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.

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

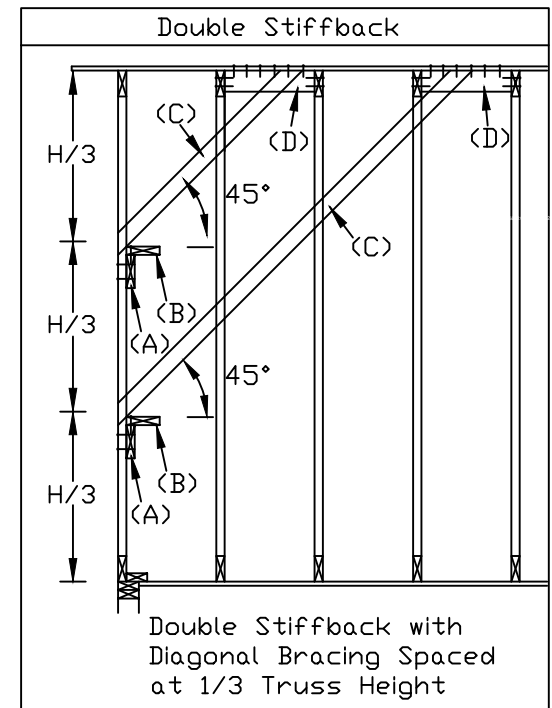
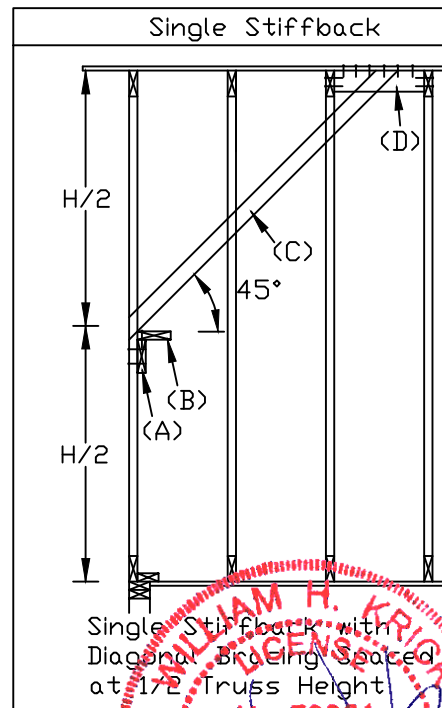
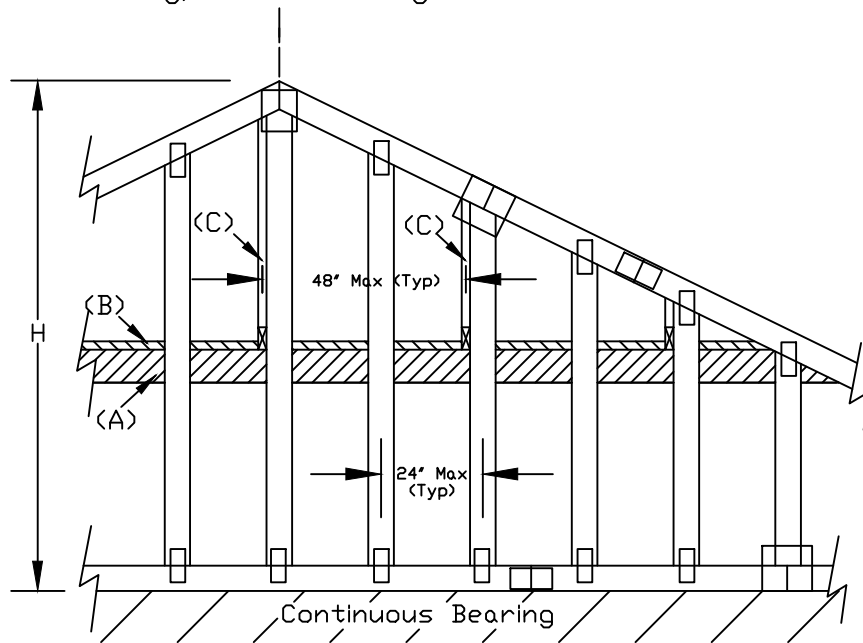
Gable Lateral Bracing Components

(A) Stiffback. Provide connection to each intersecting stud and chord.

(B) L-reinforcement. Provide connection to narrow edge of stiffback.

(C) Diagonal brace. Provide connection to gable stud at bottom end and to blocking at top end.

(D) Blocking, cut to fit tight between trusses. Attach blocking to trusses at each end and to roof sheathing.



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No. 70881

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA #0 278

Florida Certificate of Product Approval #FL-1999

MAX. TOT. L.D.
10/06/2025

MAX. SPACING

REF GE STIFFBACK
DATE 09/27/2023
DRWG GBLDIAG220923