Straub Construction Company, Inc. 7775 Meadow View Drive Shawnee, Kansas 66227 P: (913) 451-8828 Project: 665 John Knox Village Courtyards - Bldg

515 NW Moore St Lee's Summit. Missouri 64081

Submittal #01.R - 061753-01R Revised Shop Drawings 061753 - SHOP-FABRICATED WOOD TRUSSES

Revision R Submittal Manager De Nell Morris (Straub Construction Company, Inc.)

Status Open Date Created Jun 19, 2024

Issue Date Jun 19, 2024 Spec Section 061753 - SHOP-FABRICATED WOOD TRUSSES

Responsible Preserving Property, LLC Received From Manolo Casas (Preserving Property, LLC)
Contractor

Received Date Submit By

Final Due Date Jun 26, 2024 Lead Time

Cost Code

Location Type Shop Drawing

Approvers A. Faye Doughty (SFCS)

Ball in Court A. Faye Doughty (SFCS)

Distribution Daron Speight (SFCS), Justin Thompson (John Knox Village)

Description

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					
A. Faye Doughty		Jun 26, 2024		Pending	

06/19/2024 2:01:27 PM

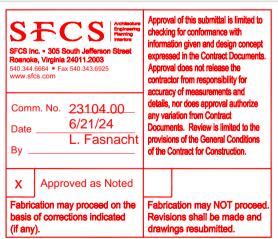
Straub Construction Reviewed

665-061753-01R

WE HEREBY REPRESENT THAT WE HAVE DETERMINED AND VERIFIED ALL MATERIALS, FIELD MEASUREMENTS, AND FIELD CONSTRUCTION CRITERIA. RELATED HERETO, AND THAT WE HAVE CHECKED AND COORDINATED ALL SUCH DATA WITH THE REQUIREMENTS OF THE WORK. THE SURROLUDING CONDITIONS, AND THE CONTRACT DOCUMENTS, AND HEREBY APPROVE THIS

CONTRACTOR: Straub Construction DATE: 6/19/24

 Architect[] will not review submittals received from Contractor that do not have the above statement, signed and dated.



Comm. Name: John Knox Village- Courtyards Building E

Comm. No.: 23104.00

Submission Title: Submittal No. 061753-01R Shop Drawings; Shop-Fabricated Wood Trusses

Date Received by SFCS, Inc.: 6/19/2024

All Sheet Nos. refers to individual truss cut sheets (8 1/2 x 11) with corresponding comment. All Comments refer to pre-fabricated wood roof truss shop drawing submittal.

TRANSMIT THESE COMMENTS WITH REJECTED Roof Truss SHOP DRAWING SUBMITTAL

SHEET NO.	COMMENT
All	GC shall confirm all dimensions, truss quantities, floor and roof opening locations, roof penetrations, and duct and mechanical system clearances, etc., including duct risers into attic from below, per contract documents.
All	GC shall coordinate installation of triple studs at all girder truss bearing points. Provide multiple hurricane ties as required for uplift at girder truss bearing points.
All trusses	Design trusses to comply with adopted building code: 2018 IBC references NDS 2018.Update lumber values reference to NDS 2018.
All roof trusses	Provide truss hurricane clips for uplift reactions indicated per contract documents; Simpson H3 minimum.



Submittal for approval

Discipline Rough Carpentry 06 17 53 Shop-Fabricated Wood Trusses

Plans Dated: Issued for Construction Set 03/07/2024.

Submittal Number 052324

Version Number:

Package Material: Shop-Fabricated Wood Trusses.

Manager: Marco Sanchez M: (816)721-3862 E: marco@preservingproperty.com

Approvers:

Straub Construction 7775 Meadow View Dr, Shawnee, KS 6622

Attn: Colton Chance Project Manager M: (913)200-0097 E: cchance@straubconstruction.com

Architect: SFCS Architecture I Engineering I Planning I interiors

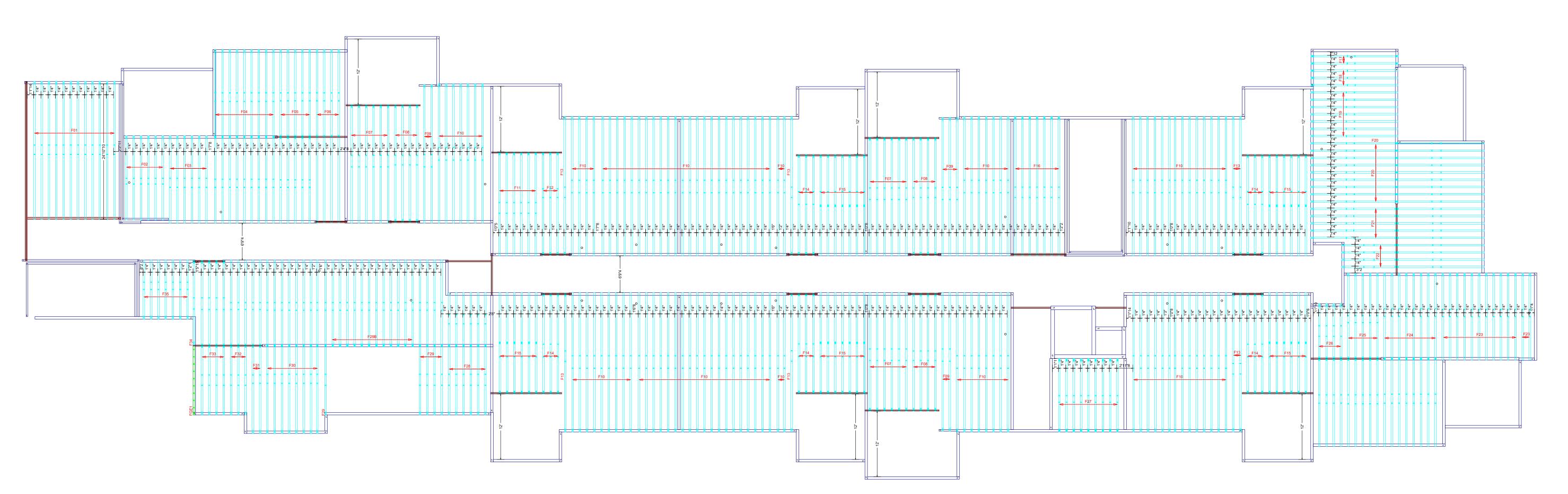
SFCS Inc. 1927 South Tryon St. – Suite 207 Charlotte, North Carolina 28203-4633 Office: (704)372-7327 <u>WWW.sfcs.com</u>

BHC RHODES Civil Engineering 7101 College Blvd., Suite 400 Overland Park, KS 66210 Phone: (913)

RESPONSE:

NOTES, REMARKS:





JOHN KNOX VILLAGE
2nd LEVEL FLOOR TRUSS LAYOUT

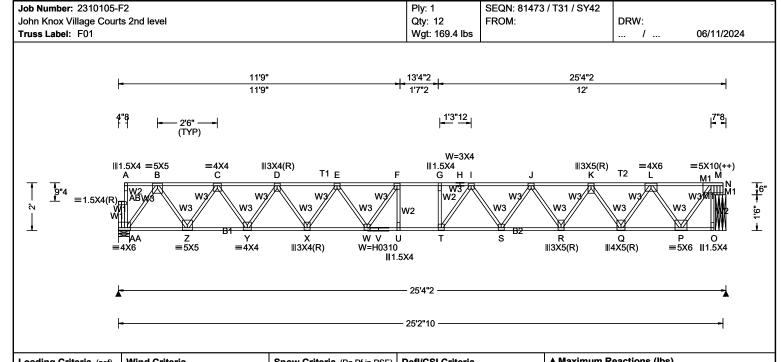
-: Preserving Properties .: John Knox Village Courts .: 2310105-F2 .: Lon E Ellenburg .: 1001 NW Chipman .: JEB

JOB NO:

2310105-F

PAGE NO:

1 OF 1



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.416 G 711 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.643 G 460 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.076 B
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.117 B
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.906
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.998
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.899
1 5	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	-
	Wind Duration: NA	WAVE. HS	VIEW Ver: 23.02.04A.0207.10

Value Set: NDS 2015

Top chord 4x2 SP #2 T2 4x2 SP #1; Bot chord 4x2 SP #1 Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

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

Max JT VERT DEFL: LL: 0.42" DL: 0.28". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

A I	waxim	lum	React	ions	(IDS)	
	(Grav	rity			

/Rw /U / RL /Rh / R-Loc R+ AA 1410 /-/-/-/-N 1418 /-/-/_ AA Brg Wid = 5.5 Min Req = 1.5 N Brg Wid = 5.2 Min Reg = 1.5 Bearings AA & N are a rigid surface.

Non-Gravity

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	3 0	G-H	0 -4587
B - C	0 - 1698	H-I	0 - 4587
C-D	0 - 2987	I - J	0 - 4257
D-E	0 - 3898	J-K	0 - 3569
E-F	0 - 4429	K-L	0 - 2516
F-G	0 -4591	L - M	0 - 1026

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.Co	mp.	Choras	rens. Co	omp.
AA- Z	942	0	U - T	4591	0
Z - Y	2428	0	T - S	4489	0
Y - X	3525	0	S-R	4002	0
X - W	4249	0	R-Q	3114	0
W - V	4591	0	Q-P	1896	0
V - U	4591	0	P-0	48	0

Maximum Web Forces Per Ply (lbs) Mobo

vvebs	rens.c	omp.	vvebs	i ens.	Comp.
AB-AA	4	- 73	T - I	528	- 206
A -AB	0	- 38	I-S	0	- 479
AA- B	0 -	1644	S - J	460	0
B - Z	1362	0	J-R	0	- 780
Z-C	0 -	1317	R-K	820	0
C - Y	1008	0	K-Q	0	- 1078
Y - D	0	- 969	Q-L	1118	0
D-X	673	0	L-P	0	- 1569
X - E	0	-632	P - M	1653	0
E-W	484	0	N - O	8	0
W-F	106	- 572	N - M	0	-468
F-U	220	- 185	M - N	9	- 1166
G-T	46	- 259			

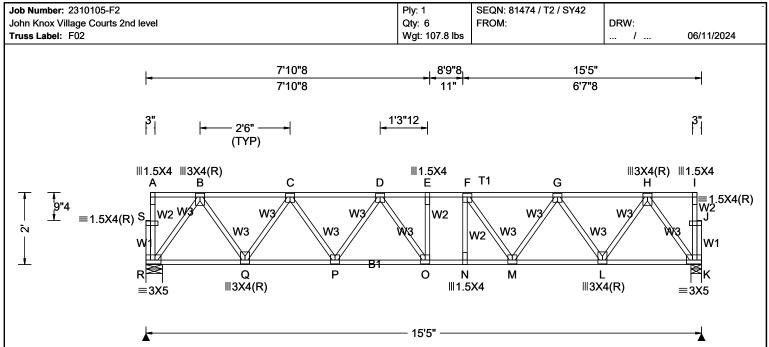
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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



	k -		—— 15'5" ———————————————————————————————————		-1
TCLL: 55.00 Wind TCDL: 20.00 Speed BCLL: 0.00 Enclor BCDL: 10.00 Categ EXP: Des Ld: 85.00 Mean NCBCLL: 0.00 BCDL Soffit: 0.00 BCDL Load Duration: 1.00 Spacing: 16.0 " C&C I Loc. fi	Std: NA d: NA mph sure: NA gory: NA NA Height: NA ft :: NA psf RS Parallel Dist: NA Dist a: NA ft from endwall: NA GCpi: NA	, , ,	PP Deflection in loc L/defl L/# VERT(LL): 0.089 E 999 480 VERT(TL): 0.125 O 999 360 HORZ(LL): 0.019 B HORZ(TL): 0.030 B Creep Factor: 2.0 Max TC CSI: 0.333 Max BC CSI: 0.584 Max Web CSI: 0.336 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	K 861 /- /- R Brg Wid = 5.5 Min	Non-Gravity / Rw / U / RL /-

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Choras	rens.Comp.	Chords	rens. Comp.
A - B	1 0	E-F	0 - 1695
B - C	0 - 951	F-G	0 - 1511
C-D	0 - 1512	G-H	0 - 952
D-E	0 - 1694	H - I	1 0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
R-Q	559	0	N - M	1694	0
Q-P	1320	0	M - L	1318	0
P-0	1678	0	L-K	560	0
O - N	1695	0			

Maximum Web Forces Per Ply (lbs)

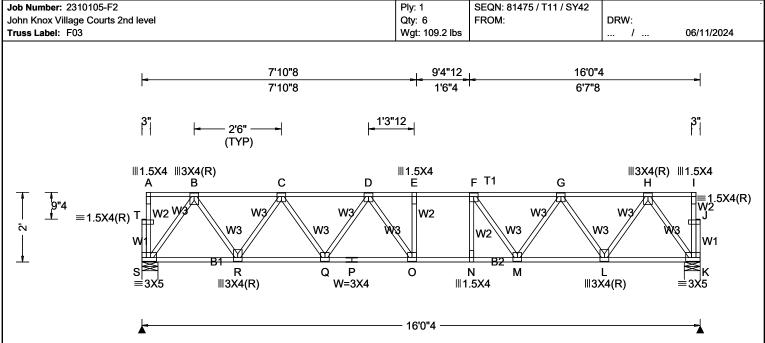
Webs	Tens.C	Comp.	Webs	Tens. (Comp.
S-R	0	- 59	N - F	138	- 71
A - S	0	- 38	F-M	0	- 397
R-B	0	- 976	M - G	372	0
B - Q	707	0	G-L	0	- 659
Q-C	0	-664	L - H	706	0
C-P	347	0	H - K	0	-977
P-D	0	- 299	l - J	0	- 39
D - O	229	- 147	K-J	0	- 12
0 - E	45	- 100	J - K	0	- 48

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TCLL: 55.00 Wind TCDL: 20.00 Spec BCLL: 0.00 Encle BCDL: 10.00 Des Ld: 85.00 Mean NCBCLL: 0.00 ECD Soffit: 0.00 BCD Load Duration: 1.00 Spacing: 16.0 " C&C Loc. I: NA	d Std: NA Ped: NA mph Hosure: NA Pegory: NA	,	PP Deflection in loc L/defl L/# VERT(LL): 0.110 E 999 480 VERT(TL): 0.182 E 999 360 HORZ(LL): 0.024 B HORZ(TL): 0.043 B Creep Factor: 2.0 Max TC CSI: 0.466 Max BC CSI: 0.768 Max Web CSI: 0.356 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	K Brg Wid = 5.5 Min F Bearings S & K are a rigid Maximum Top Chord For Chords Tens.Comp. (A - B 1 0 I B - C 0 - 998	Non-Gravity / Rw / U / RL /-

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
S-R	583	0	O - N	1826	0
R-Q	1390	0	N - M	1824	0
Q-P	1792	0	M - L	1385	0
P-0	1792	0	L-K	585	0

Maximum Web Forces Per Ply (lbs)

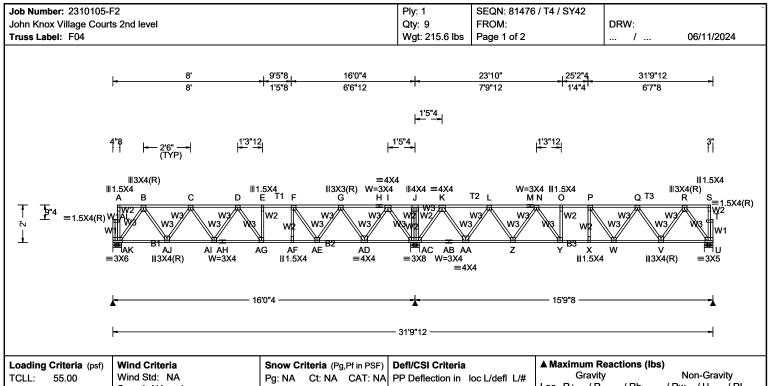
Webs	Tens.Comp.	Webs	Tens. (Comp.
T-S	0 - 58	N - F	168	- 61
A - T	0 -38	F - M	0	-482
S-B	0 - 1017	M - G	424	0
B-R	747 0	G-L	0	- 697
R-C	0 -707	L-H	745	0
C - Q	390 0	H - K	0	- 1020
Q - D	0 -334	l - J	0	- 39
D - O	285 - 133	K-J	0	- 12
0 - E	24 - 151	J - K	0	- 49

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dur	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

VERT(LL): 0.119 E 999 480 VERT(TL): 0.188 AG 999 360 HORZ(LL): 0.028 B HORZ(TL): 0.046 B Creep Factor: 2.0 Max TC CSI: 0.638 Max BC CSI: 0.851 Max Web CSI: 0.417 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
)	AK	850	/-	/-	/-	/-	/-
	AC	2013	/-	/-	/-	/-	/-
	U	823	/-	/-	/-	/-	/-
	AK	Brg V	Vid = 5	.5 Min F	Req = 1.	5	
	AC	Brg V	Vid = 5	.5 Min F	Req = 1.	5	
	U	Brg V	Vid = 5	.5 Min F	Req = 1.	5	
	Bea	rings	AK, AC	, & U are	a rigid su	ırface.	
		_			· _		_

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

A - B	3 0	J-K	1035	0
B-C	0 -896	K-L	154	- 466
C-D	0 - 1415	L - M	0	- 1160
D-E	0 - 1505	M - N	0	- 1160
E-F	0 - 1505	N - O	0	- 1501
F-G	0 - 1215	0 - P	0	- 1505
G-H	225 - 515	P-Q	0	- 1373
H-I	225 - 515	Q-R	0	- 883
I - J	1035 0	R-S	1	0

Webs 4x2 SP #3 **Plating Notes**

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
AK-AJ	530	0	AC-AB	12	- 392
AJ-AI	1242	0	AB-AA	12	- 392
Al-AH	1546	0	AA- Z	903	0
AH-AG	1546	0	Z - Y	1396	0
AG-AF	1505	0	Y - X	1505	0
AF-AE	1501	0	X - W	1505	0
AE-AD	944	- 45	W - V	1217	0
AD-AC	65	- 437	V - U	523	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
A1 A1/		70	AC 1/		4440
AL-AK	4	- 73	AC- K	0	- 1149
A -AL	0	- 37	K -AA	875	0
AK- B	0	- 930	AA- L	0	- 842
B -AJ	660	0	L - Z	516	0
AJ- C	0	- 624	Z - N	0	-489
C -AI	311	0	N - Y	418	0
Al- D	11	- 237	Y-0	0	- 208
D -AG	132	- 292	X - P	89	- 133
AG- E	101	- 76	P - W	32	- 307
AF- F	238	0	W - Q	297	0

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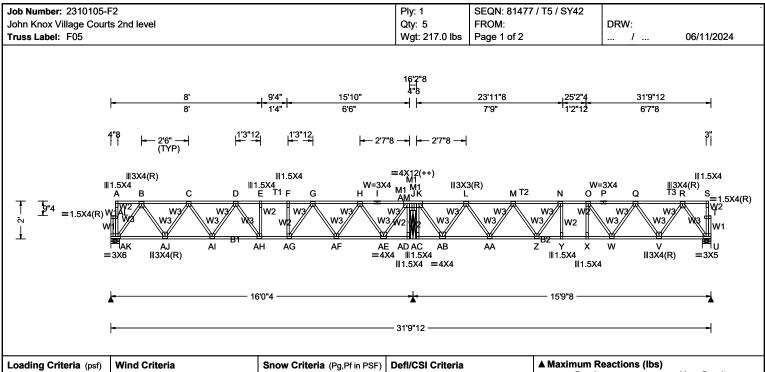
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Job Number: 2310105-F2	Ply: 1	SEQN: 81476	6 / T4 / SY42				
John Knox Village Courts 2nd level	Qty: 9	FROM:		DRW:		06/44/00	24
Truss Label: F04	Wgt: 215.6 lbs	Page 2 of 2	F-AE (0 -628	/ Q - V	06/11/20	- 603
			AE- G 557	7 0	V - R	648	0
			G -AD (AD- I 867	- 829	R - U S - T	0 0	- 915 - 41
			I-AC (1158	U - T	0	- 12
			J-AC (- 148	T - U	0	- 50

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Loading (Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dura	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft

Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria
Bldg Code: IBC 2018
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.106 E 999 480 VERT(TL): 0.170 E 999 360 HORZ(LL): 0.023 B HORZ(TL): 0.040 AB -Creep Factor: 2.0 Max TC CSI: 0.564 Max BC CSI: 0.812 Max Web CSI: 0.449 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ Maxi	▲ Maximum Reactions (lbs)				
	Gravity		No	on-Gra	vity
Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL
AK 916	6 /-	/-	/-	/-	/-
AM 180	06 /-	/-	/-	/-	/-
U 895	5 /-	/-	/-	/-	/-
AK Bro	g Wid = 5	.5 Min I	Req = 1.5	5	
AM Bro	Wid = 3	.5 Min I	Req = 1.5	5	
U Bro	Wid = 5	.5 Min I	Req = 1.5	5	
Bearing	js AK, AN	/I, & U are	a rigid su	ırface.	
Maxim	um Top	Chord Fo	rces Per	Ply (lb	s)
Chords	Tens.C	omp.	Chords	Tens.	Comp.
1	•	504		,	

rens.comp.	Chords	Tens. Comp.
0 - 561	I - J	0 - 569
3 0	L - M	0 - 1341
0 - 986	M - N	0 - 1721
0 - 1586	N - O	0 - 1781
0 - 1796	O - P	0 - 1567
0 - 1797	P-Q	0 - 1567
0 - 1791	Q-R	0 -980
0 - 1347	R-S	1 0
0 - 569		
	3 0 0 -986 0 -1586 0 -1796 0 -1797 0 -1791 0 -1347	0 -561 I-J 3 0 L-M 0 -986 M-N 0 -1586 N-O 0 -1796 O-P 0 -1797 P-Q 0 -1791 Q-R 0 -1347 R-S

Plating Notes

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Co	omp.
AK-AJ	576	0	AB-AA	1042	0
AJ-AI	1374	0	AA-Z	1620	0
Al-AH	1767	0	Z - Y	1783	0
AH-AG	1797	0	Y - X	1781	0
AG-AF	1625	0	X - W	1778	0
AF-AE	1055	0	W - V	1359	0
AE-AD	11	- 15	V - U	575	0
AC-AB	11	- 15			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
AL-AK	4	- 73	AM-AD	8	0
A -AL	0	- 38	AM- K	0	- 1053
AK- B	0	- 1010	AM-AC	7	0
B -AJ	740	0	AB- L	0	- 867
AJ- C	0	- 699	L -AA	554	0
C -AI	382	0	AA- M	0	- 515
Al- D	0	- 327	M - Z	266	0
D -AH	266	- 145	Z - N	71	- 276
AH- E	55	- 157	N - Y	105	- 173
F -AG	0	- 256	X - O	202	-77

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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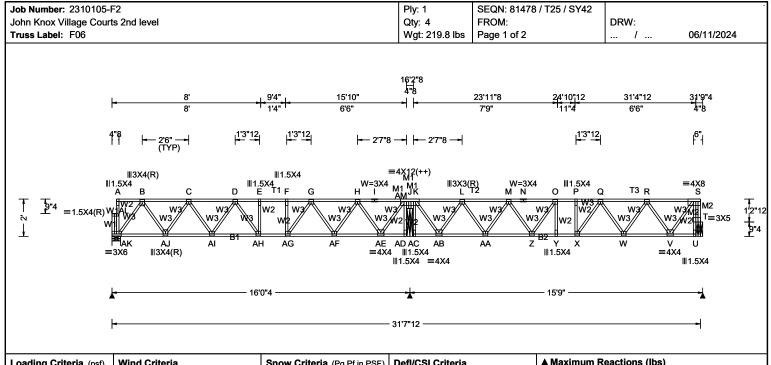
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Ply: 1 Qty: 5 Wgt: 217.0 lbs	FROM: Page 2 of 2	AG- G G -AF AF- H H -AE AE- J K -AM K -AB	449 0 542 0 943 8 931	0 -516 0	/ O-W W-Q Q-V V-R R-U S-T U-T	06/11/20 0 396 0 731 0 0	- 453 0 - 683 0 - 1004 - 39
	Page 2 of 2	G -AF AF- H H -AE AE- J K -AM K -AB	0 542 0 943 8	0 -516 0 -877 0	O - W W - Q Q - V V - R R - U S - T	0 396 0 731 0	- 453 0 - 683 0 - 1004 - 39
		G -AF AF- H H -AE AE- J K -AM K -AB	0 542 0 943 8	-516 0 -877 0 0	W - Q Q - V V - R R - U S - T	396 0 731 0	- 683 0 - 1004 - 39
		AF- H H -AE AE- J K -AM K -AB	542 0 943 8	0 -877 0 0	Q - V V - R R - U S - T	0 731 0 0	- 683 0 - 1004 - 39
		H -AE AE- J K -AM K -AB	0 943 8	-877 0 0	V - R R - U S - T	731 0 0	- 1004 - 39
		AE- J K -AM K -AB	943 8	0	R - U S - T	0 0	- 1004 - 39
		K -AM K -AB	8	0	S - T	0	- 39
		K -AB					
			931	0	U - T	0	_ 10
							- 12
		J -AM	9	- 1050	T - U	0	- 49

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Loading Crit	eria (psf)					
TCLL: 55.	.00					
TCDL: 20.	.00					
BCLL: 0.0	00					
BCDL: 10.	.00					
Des Ld: 85.	.00					
NCBCLL: 0.0	0					
Soffit: 0.0	00					
Load Duration: 1.00						
Spacing: 16.0) "					

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.106 E 999 480 VERT(TL): 0.170 E 999 360 HORZ(LL): 0.023 B HORZ(TL): 0.039 AB Creep Factor: 2.0 Max TC CSI: 0.560 Max BC CSI: 0.680 Max Web CSI: 0.478 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ M	▲ Maximum Reactions (lbs)							
Gravity Non-Gravity								
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL		
AK	916	/-	/-	/-	/-	/-		
AM	1798	/-	/-	/-	/-	/-		
Т	883	/-	/-	/-	/-	/-		
AK	Brg W	id = 5.5	Min Re	q = 1.5				
AM	Brg W	id = 3.5	Min Re	q = 1.5				
T	Brg W	id = 4.5	Min Re	q = 1.5				
Bearings AK, AM, & T are a rigid surface.								
Max	Maximum Top Chord Forces Per Ply (lbs)							

Chords	Tens.Comp.	Chords	Tens. Comp.
J-L	0 - 556	I - J	0 - 569
A - B	3 0	L - M	0 - 1327
B - C	0 -986	M - N	0 - 1697
C - D	0 - 1586	N - O	0 - 1697
D-E	0 - 1796	O - P	0 - 1754
E-F	0 - 1797	P-Q	0 - 1750
F-G	0 - 1791	Q-R	0 - 1343
G-H	0 - 1348	R-S	0 -593
H - I	0 - 560		

Rt Bearing Leg: 4x2 SP #3; **Plating Notes**

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Co	omp.
AK-AJ	576	0	AB-AA	1032	0
AJ-AI	1374	0	AA-Z	1600	0
Al-AH	1768	0	Z - Y	1756	0
AH-AG	1797	0	Y - X	1754	0
AG-AF	1625	0	X - W	1605	0
AF-AE	1055	0	W - V	1068	0
AE-AD	11	- 15	V - U	48	0
AC-AB	11	- 15			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
AL-AK	4	-73	AM-AD	8	0
A -AL	0	- 38	AM- K	0	- 1047
AK- B	0	- 1010	AM-AC	7	0
B -AJ	740	0	AB- L	0	- 859
AJ- C	0	- 699	L-AA	545	0
C -AI	382	0	AA- M	0	- 507
Al- D	0	- 327	M - Z	258	0
D -AH	266	- 145	Z - O	66	- 254
AH- E	55	- 157	0 - Y	73	- 146
F -AG	0	- 256	P-X	0	- 177

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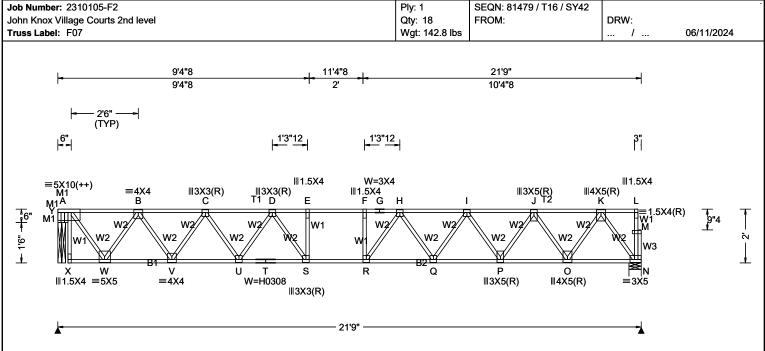
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs

Job Number: 2310105-F2	Ply: 1	SEQN: 81478	3 / T25 / S	Y42				
John Knox Village Courts 2nd level	Qty: 4	FROM:			DRW:			
Truss Label: F06	Wgt: 219.8 lbs	Page 2 of 2				/	06/11/20	24
	·		AG- G	449	0	X - Q	392	0
			G -AF	0	- 516	Q - W	0	- 471
			AF- H	542	0	W - R	496	0
			H -AE	0	- 877	R - V	0	- 856
			AE- J	944	0	V - S	922	0
			K -AM	8	0	T - U	8	0
			K -AB	922		T - S	14	- 37
			J -AM	9	- 1047	S - T	9	- 878

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Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.281 F 912 480 VERT(TL): 0.419 R 611 360 HORZ(LL): 0.057 N HORZ(TL): 0.088 N Creep Factor: 2.0 Max TC CSI: 0.864 Max BC CSI: 0.880 Max Web CSI: 0.872 Mfg Specified Camber:	Maximum Reactions (Gravity
	I: NA GCpi: NA Wind Duration: NA	Plate Type(s): WAVE, HS	VIEW Ver: 23.02.04A.0207.10	B - C 0 - 2121 C - D 0 - 2911

/-/-1-/_ in Req = 1.5 in Req = 1.5 id surface. Forces Per Ply (lbs) Chords Tens. Comp. G-H 0 -3416 H-I 0 - 3141 0 - 2480 I - ID-E 0 - 3412 J - K 0 - 1441 E-F 0 - 3419 K-L

(lbs)

/Rw /U

Non-Gravity

/ RL

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

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

Max JT VERT DEFL: LL: 0.28" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

0 - 3416

F-G

Chords	Tens.Co	mp.	Chords	Tens. C	omp.
X - W	47	0	S-R	3419	0
W-V	1625	0	R-Q	3354	0
V - U	2593	0	Q-P	2895	0
U - T	3217	0	P-0	2046	0
T-S	3217	0	O - N	811	0

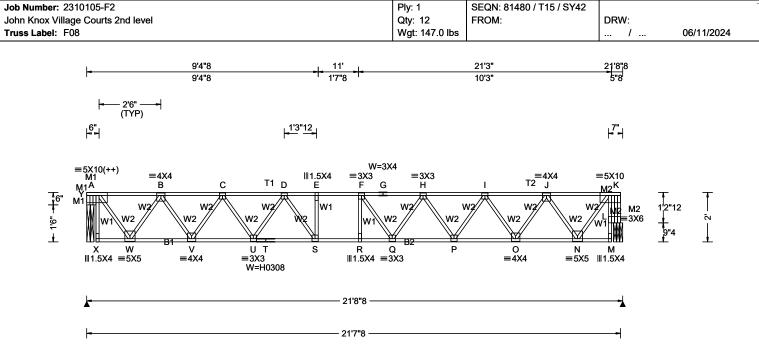
Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - Y	9	- 443	R-H	453	- 195
A - W	1414	0	H-Q	0	-409
Y - A	0	- 988	Q-I	444	0
Y - X	8	0	I-P	0	- 749
W - B	0	- 1338	P-J	782	0
B - V	894	0	J - O	0	- 1090
V - C	0	- 850	0 - K	1136	0
C - U	574	0	K - N	0	- 1415
U - D	0	- 551	L - M	0	- 37
D-S	623	- 28	N - M	0	- 12
S-E	0	- 363	M - N	0	- 47
F-R	68	- 271			

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	es)
TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0)		Cravity	Non-Gravity
	I: NA GCpi: NA Wind Duration: NA	Plate Type(s): WAVE. HS	VIEW Ver: 23.02.04A.0207.10	1 - 0 000 0	G-H 0 -3315 H-I 0 -2895
Lumber	```	1 '	1 2 2 2 3 3 2 2 3 3 3 2 3 3 3 3 3 3 3 3	D-E 0-3377 I	- J 0 -2099

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3(R) except as noted.

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

Max JT VERT DEFL: LL: 0.28" DL: 0.19". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Cilolus	rens.comp.	Cilolus	rens. Comp.
A - B B - C	0 -877 0 -2106	F-G G-H	0 - 3315 0 - 3315
C-D	0 - 2885	H-I	0 - 2895
D-E E-F	0 -3377 0 -3383	I - J J - K	0 - 2099 0 - 895

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.Co	mp.	Choras	rens. Co	omp.
X - W	46	0	R-Q	3386	0
W - V	1615	0	Q-P	3198	0
V - U	2572	0	P-0	2573	0
U - T	3190	0	O - N	1602	0
T-S	3190	0	N - M	97	0
S-R	3383	0			

Maximum Web Forces Per Ply (lbs)

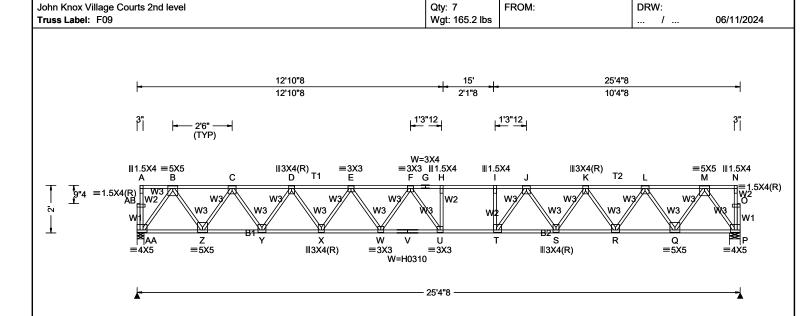
Tens.C	Comp.	Webs	Tens.	Comp.
9	- 441	F-Q	157	- 396
1405	0	Q - H	364	0
0	- 983	H-P	0	- 546
8	0	P-I	582	0
0	- 1330	I - O	0	- 854
886	0	O - J	895	0
0	- 840	J - N	0	- 1275
565	0	N - K	1350	0
0	- 549	L - M	8	0
586	- 36	L-K	0	- 128
0	- 296	K-L	9	- 1112
125	- 201			
	9 1405 0 8 0 886 0 565 0 586	1405 0 0 -983 8 0 0 -1330 886 0 0 -840 565 0 0 -549 586 -36 0 -296	9 -441 F - Q 1405 0 Q - H 0 -983 H - P 8 0 P - I 0 -1330 I - O 886 0 O - J 0 -840 J - N 565 0 N - K 0 -549 L - M 586 - 36 L - K 0 -296 K - L	9 -441 F-Q 157 1405 0 Q-H 364 0 -983 H-P 0 8 0 P-I 582 0 -1330 I-O 0 886 0 O-J 895 0 -840 J-N 0 565 0 N-K 1350 0 -549 L-M 8 586 -36 L-K 0 0 -296 K-L 9

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Ply: 1

SEQN: 81481 / T1 / SY42

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reaction	ns (lbs)
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.437 H 686 480	Loc R+ /R- /F	Rh /Rw /
BCLL: 0.00	Enclosure: NA Category: NA	Lu: NA Cs: NA	VERT(TL): 0.637 U 471 360	7011.20 /	
BCDL: 10.00 Des Ld: 85.00	EXP: NA	Snow Duration: NA	HORZ(LL): 0.079 B HORZ(TL): 0.122 B	P 1425 /- /- AA Brg Wid = 3.5	/- /- Min Rea = 1.5
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0 Max TC CSI: 0.695		Min Req = 1.5
Soffit: 0.00 Load Duration: 1.00	BCDL: NA psf MWFRS Parallel Dist: NA	Bldg Code: IBC 2018 TPI Std: 2014	Max BC CSI: 0.945	Maximum Top Chord Chords Tens.Comp.	d Forces Per Pl
Spacing: 16.0 "	C&C Dist a: NA ft Loc. from endwall: NA	Rep Factors Used: Yes FT/RT:12(0)/10(0)	Max Web CSI: 0.658 Mfg Specified Camber:	A - B 1 0	
	I: NA GCpi: NA	Plate Type(s):	=	B - C 0 - 1721	
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10	C-D 0-3034 D-E 0-3965	-
Lumber				D-L 0-3903	

searings AA & P are a rigid surface. Maximum Top Chord Forces Per Ply (lbs) chords Tens.Comp. Chords Tens. Comp.

0 -4646 - C 0 - 1721 0 -4635 I - J C - D 0 - 3953 0 - 3034J - K) - E 0 - 3965 K-L 0 - 3037 E-F 0 - 4531 L - M 0 - 1720 F-G 0 - 4646 M - N G-H 0 - 4646

Non-Gravity

/-

/ RL

/-

/_

/Rw /U

Webs 4x2 SP #3

Value Set: NDS 2015

Plating Notes All plates are 4X4 except as noted.

Top chord 4x2 SP #2 T2 4x2 SP 2400f-2.0E;

Bot chord 4x2 SP #1 B2 4x2 SP 2400f-2.0E;

Job Number: 2310105-F2

Max JT VERT DEFL: LL: 0.44" DL: 0.31". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

rens.co	mp.	Chords	rens. Co	omp.
954	0	U-T	4646	0
2464	0	T-S	4327	0
3582	0	S-R	3583	0
4332	0	R-Q	2463	0
4680	0	Q-P	954	0
4680	0			
	954 2464 3582 4332 4680	2464 0 3582 0 4332 0 4680 0	954 0 U-T 2464 0 T-S 3582 0 S-R 4332 0 R-Q 4680 0 Q-P	954 0 U-T 4646 2464 0 T-S 4327 3582 0 S-R 3583 4332 0 R-Q 2463 4680 0 Q-P 954

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens.	Comp.
AB-AA	0	- 59	I - T	0	- 486
A -AB	0	- 37	T - J	849	0
AA- B	0	- 1665	J-S	0	-675
B - Z	1382	0	S-K	666	0
Z - C	0	- 1338	K-R	0	- 985
C - Y	1029	0	R-L	1035	0
Y - D	0	- 988	L-Q	0	- 1339
D - X	690	0	Q - M	1381	0
X - E	0	- 661	M - P	0	- 1664
E-W	390	0	N - O	0	- 38
W-F	0	- 382	P-0	0	- 12
F-U	410	- 390	0-P	0	- 47
U - H	170	- 249			

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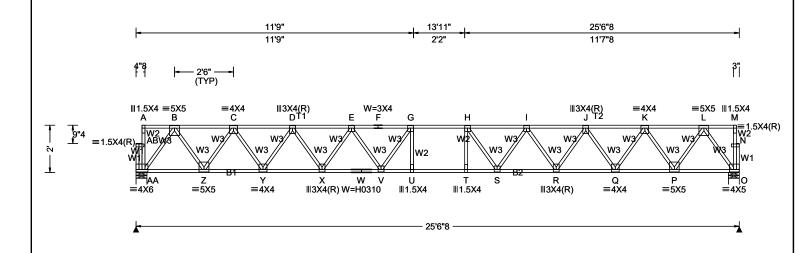
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA; www.sbcindustry.com; ICC: www.iccsafe.org

Job Number: 2310105-F2 Ply: 1 SEQN: 81482 / T29 / SY42 John Knox Village Courts 2nd level Qty: 110 FROM: DRW: Truss Label: F10 Wgt: 168.0 lbs 1 ... 06/11/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.363 U 828 480	Loc R+ /R- /Rh /
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.526 G 571 360	AA 1429 /- /- /-
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.065 B	O 1428 /- /- /-
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.100 B	AA Brg Wid = 5.5 Min Req :
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0	O Brg Wid = 5.5 Min Req
Soffit: 0.00	TCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.855	Bearings AA & O are a rigid sur
Load Duration: 1.00	BCDL: NA psf MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.719	Maximum Top Chord Forces
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.660	Chords Tens.Comp. Chor
Opdoing. 10.0	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:	A-B 3 0 G-F
	I: NA GCpi: NA	Plate Type(s):	g -p	B-C 0-1724 H-I
	Wind Duration: NA	WAVE HS	VIEW Ver: 23 02 04A 0207 10	C-D 0-3040 I-J

1429 /-/-/-1428 /-1-/_ Brg Wid = 5.5 Min Req = 1.5 Brg Wid = 5.5 Min Req = 1.5 arings AA & O are a rigid surface. ximum Top Chord Forces Per Ply (lbs) ords Tens.Comp. Chords Tens. Comp. G-H 0 -4713 С 0 - 1724 H-I 0 - 4535 0 - 3976 D 0 - 3040I - ID-E 0 - 3976 J - K 0 - 3040 E-F 0 - 4534 K-L 0 - 1724

Non-Gravity

/ RL

/Rw /U

F-G

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #2 T2 4x2 SP 2400f-2.0E; Bot chord 4x2 SP 2400f-2.0E Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Max JT VERT DEFL: LL: 0.36" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

0 - 4534

Ollorus	16113.00	ilip.	Ollorus	Tella. O	Jilip.
AA- Z	956	0	U-T	4713	0
Z - Y	2468	0	T-S	4712	0
Y - X	3591	0	S-R	4339	0
X - W	4339	0	R-Q	3590	0
W - V	4339	0	Q-P	2468	0
V - U	4712	0	P-0	955	0

L-M

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens.	Comp.
AB-AA	4	- 73	H-S	108	-641
A -AB	0	- 37	S - I	518	0
AA- B	0 -	- 1667	I-R	0	- 655
B - Z	1385	0	R-J	695	0
Z - C	0	- 1341	J - Q	0	- 993
C - Y	1032	0	Q - K	1031	0
Y - D	0	- 993	K-P	0	- 1341
D - X	695	0	P-L	1385	0
X - E	0	- 654	L-0	0	- 1667
E-V	515	0	M - N	0	- 38
V - G	105	-638	O - N	0	- 12
G-U	262	- 218	N - O	0	- 48
T - H	262	- 218			

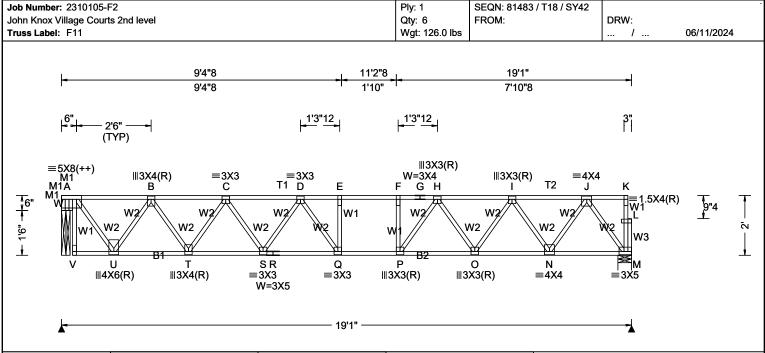
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (It	•
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.198 E 999 480	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.309 Q 727 360	W 1076 /- /-	/- /- /-
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.045 A	M 1069 /- /-	l- l- l-
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.069 A	9	Req = 1.5
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0	J	Req = 1.5
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.765	Bearings W & M are a rigid	l surface.
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.733	Maximum Top Chord For	ces Per Ply (lbs)
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.777	Chords Tens.Comp. 0	Chords Tens. Comp.
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:	A-B 0 -761 F	- G 0 - 2598
	I: NA GCpi: NA	Plate Type(s):		B-C 0-1791 (G-H 0-2598
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	C-D 0-2393 H	H-I 0 -2064
Lumber		•		D-E 0-2604 I	- J 0 - 1237

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 1.5X4 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Choras	rens.comp.	Chords	rens. Comp.
A - B	0 - 761	F-G	0 - 2598
B - C	0 - 1791	G-H	0 - 2598
C - D	0 - 2393	H - I	0 - 2064
D-E	0 - 2604	I - J	0 - 1237
E-F	0 - 2606	J-K	1 0

Maximum Bot Chord Forces Per Ply (lbs)

16113.00	πp.	Cilolus	Tells. Co	Jilip.
42	0	Q-P	2606	0
1396	0	P-0	2380	0
2167	0	O - N	1741	0
2583	0	N - M	705	0
2583	0			
	42 1396 2167 2583	1396 0 2167 0 2583 0	42 0 Q - P 1396 0 P - O 2167 0 O - N 2583 0 N - M	42 0 Q - P 2606 1396 0 P - O 2380 2167 0 O - N 1741 2583 0 N - M 705

Maximum Web Forces Per Ply (lbs)

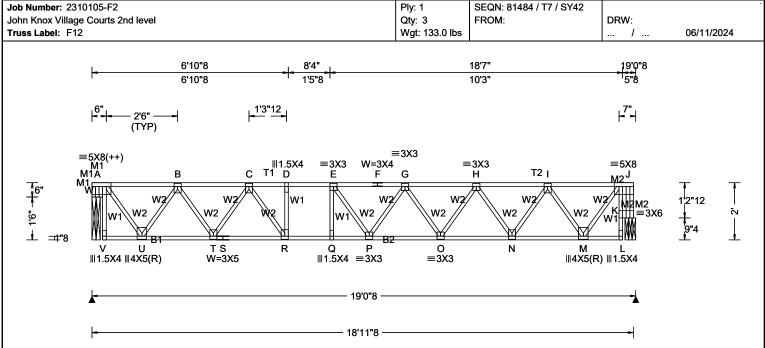
Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - W	8	- 385	F-P	0	- 343
A - U	1217	0	P - H	592	0
W - A	0	- 871	H - O	0	- 569
W - V	7	0	0-1	583	0
U-B	0	- 1144	I - N	0	- 909
B - T	712	0	N - J	959	0
T - C	0	- 678	J - M	0	- 1229
C - S	408	0	K-L	0	- 38
S - D	0	- 341	M - L	0	- 12
D-Q	343	- 199	L - M	0	- 47
Q-E	75	- 208			

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F		10110		7
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria	Maximum Reactions (lbs) Gravity Non-Gravity
Lumber				D-E 0-2490 I-J 0-771

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3

Lt Bearing Leg: 4x2 SP #3;

Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X4(R) except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

0110140	rono.comp.	01.0.40	rono. comp.
A - B	0 -762	F-G	0 - 2581
B - C	0 - 1760	G-H	0 - 2368
C - D	0 - 2480	H - I	0 - 1772
D-E	0 - 2490	I - J	0 -771
E-F	0 - 2581		

Maximum Bot Chord Forces Per Ply (lbs)

-	πp.	Cilolus	Tells. Co	٠p.
44	0	Q-P	2497	0
1385	0	P-0	2577	0
2147	0	O - N	2144	0
2147	0	N - M	1375	0
2490	0	M - L	86	0
	1385 2147 2147	1385 0 2147 0 2147 0	1385 0 P - O 2147 0 O - N 2147 0 N - M	1385 0 P - O 2577 2147 0 O - N 2144 2147 0 N - M 1375

Maximum Web Forces Per Ply (lbs)

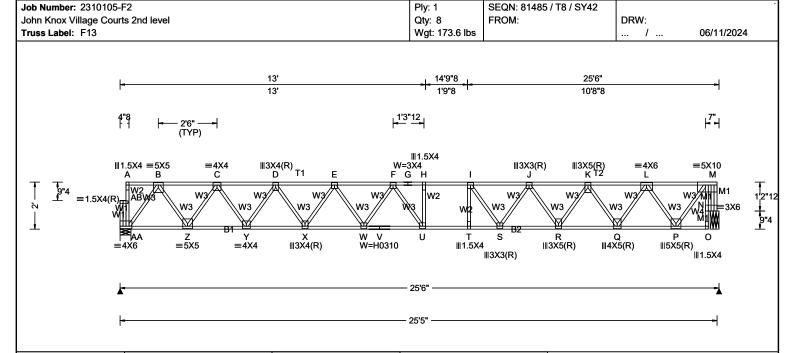
Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - W	8	- 364	P-G	191	- 114
A - U	1213	0	G-0	0	- 377
W - A	0	- 883	0 - H	406	0
W - V	7	0	H - N	0	-671
U - B	0	- 1125	N - I	714	0
B - T	675	0	I - M	0	- 1090
T-C	0	- 698	M - J	1158	0
C-R	720	0	K-L	8	0
R-D	0	- 342	K - J	0	- 104
Q-E	17	- 287	J - K	9	-982
E-P	320	- 159			

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.437 H 684 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.675 H 443 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.079 B
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.121 B
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.923
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.871
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.769
' "	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

Value Set: NDS 2015

Top chord 4x2 SP #2 T2 4x2 SP #1; Bot chord 4x2 SP #1 B2 4x2 SP 2400f-2.0E; Webs 4x2 SP #3 W4 4x2 SP #2; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.44" DL: 0.29". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

▲ Maximum	React	ions	(lbs))
Grav	ity .			

Loc R+ /Rw /U / RL AA 1422 /-/-/-N 1428 /-1-/_ AA Brg Wid = 5.5 Min Req = 1.5 N Brg Wid = 4.5 Min Req = 1.5 Bearings AA & N are a rigid surface.

Non-Gravity

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	3 0	G-H	0 -4631
B-C	0 - 1714	H-I	0 -4632
C-D	0 - 3021	I - J	0 -4326
D-E	0 - 3946	J - K	0 - 3619
E-F	0 -4503	K-L	0 - 2549
F-G	0 -4631	L - M	0 - 1065

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.Co	mp.	Choras	rens. Co	omp.
AA- Z	951	0	U - T	4632	0
Z - Y	2454	0	T - S	4627	0
Y - X	3566	0	S-R	4049	0
X - W	4309	0	R-Q	3163	0
W - V	4652	0	Q-P	1914	0
V - U	4652	0	P-0	110	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AB-AA	4	- 73	T - I	326	- 113
A -AB	0	- 37	I-S	0	-773
AA- B	0	- 1659	S-J	613	0
B - Z	1377	0	J-R	0	-774
Z - C	0	- 1333	R-K	822	0
C - Y	1023	0	K-Q	0	- 1107
Y - D	0	- 982	Q-L	1145	0
D - X	685	0	L-P	0	- 1532
X - E	0	- 654	P - M	1615	0
E-W	384	0	N - O	8	0
W-F	0	- 386	N - M	0	- 168
F-U	395	- 360	M - N	9	- 1284
U - H	101	- 202			

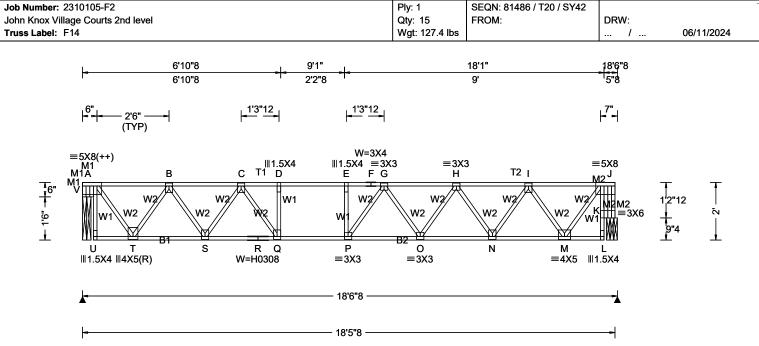
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 		18'5"8 —		
Coading Criteria (psf)	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0)	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.233 E 931 480 VERT(TL): 0.381 P 569 360 HORZ(LL): 0.056 L HORZ(TL): 0.085 L Creep Factor: 2.0 Max TC CSI: 0.764 Max BC CSI: 0.882 Max Web CSI: 0.841 Mfg Specified Camber:	
Lumber	I: NA GCpi: NA Wind Duration: NA	Plate Type(s): WAVE, HS	VIEW Ver: 23.02.04A.0207.10	B-C 0-1700 G-H 0-227 C-D 0-2384 H-I 0-170 D-E 0-2396 I-J 0-74

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X4(R) except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

E-F 0 - 2396

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens Comp

16113.00	mp.	Onlords	i ciis. O	Jilip.
40	0	P-0	2430	0
1344	0	O - N	2071	0
2061	0	N - M	1331	0
2061	0	M - L	85	0
2396	0			
	40 1344 2061 2061	1344 0 2061 0 2061 0	40 0 P - O 1344 0 O - N 2061 0 N - M 2061 0 M - L	40 0 P - O 2430 1344 0 O - N 2071 2061 0 N - M 1331 2061 0 M - L 85

Chords

Tens Comp

Maximum Web Forces Per Ply (lbs)

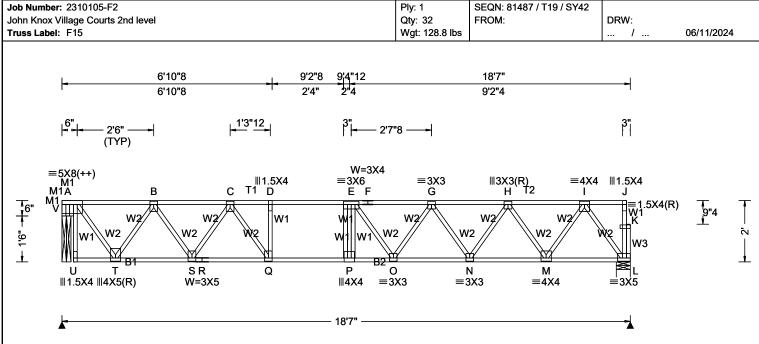
Webs	Tens.C	Tens.Comp.		Tens. Comp.	
A - V	9	- 374	P-G	281	- 262
A - T	1179	0	G-0	0	- 296
V - A	0	- 840	0 - H	370	0
V - U	8	0	H - N	0	-653
T-B	0	- 1095	N - I	680	0
B-S	641	0	I - M	0	- 1051
S-C	0	- 650	M - J	1122	0
C - Q	739	0	K-L	6	0
Q-D	0	- 435	K-J	0	- 99
E - P	101	- 182	J-K	8	- 959

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions	
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.216 P 999 480	Loc R+ /R- /Rh	/Rw /U /RI
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.365 P 598 360	V 1048 /- /-	I- I- I-
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.052 L	L 1040 /- /-	, , , - - -
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.080 L	V Brg Wid = 3.5 Min	n Req = 1.5
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0		n Req = 1.5
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.715	Bearings V & L are a rigid	d surface.
oad Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.638	Maximum Top Chord Fo	orces Per Ply (lbs)
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.649	Chords Tens.Comp.	Chords Tens. Com
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:	A - B 0 - 741	F-G 0 -24
	I: NA GCpi: NA	Plate Type(s):	-	B-C 0-1715	G-H 0 -19
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	C - D 0 - 2423	H-I 0 -11
Lumber	I		I .	D-E 0-2435	I-J 1

Value Set: NDS 2015

Top chord 4x2 SP 2400f-2.0E T2 4x2 SP #1; Bot chord 4x2 SP #2 B2 4x2 SP 2400f-2.0E; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X4(R) except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

A - B	0 - 741	F-G	0 - 2409
B - C	0 - 1715	G-H	0 - 1998
C - D	0 - 2423	H - I	0 - 1195
D-E	0 - 2435	l - J	1 0
E-F	0 - 2409		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
U - T	35	0	P-0	2439	0
T - S	1356	0	O - N	2303	0
S-R	2086	0	N - M	1678	0
R-Q	2086	0	M - L	686	0
Q-P	2435	0			

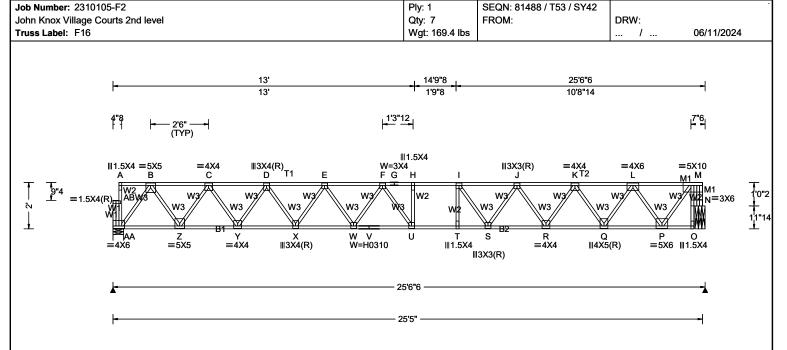
Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - V	9	- 408	E-O	156	- 321
A - T	1194	0	O - G	312	0
V - A	0	-814	G - N	0	- 550
V - U	8	0	N - H	577	0
T-B	0	- 1108	H - M	0	-870
B - S	647	0	M - I	917	0
S-C	0	- 669	I - L	0	- 1197
C - Q	769	0	J-K	0	- 36
Q - D	0	-417	L-K	0	- 12
P - E	68	- 229	K-L	0	- 45

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.436 H 685 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.673 H 443 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.078 B
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.121 B
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.927
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.869
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.945
- g	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

Value Set: NDS 2015

Top chord 4x2 SP #2 T2 4x2 SP #1; Bot chord 4x2 SP #1 B2 4x2 SP 2400f-2.0E; Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.44" DL: 0.29". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

▲ Maximum Reactions (lbs)

Gravity Non-Gravity			vity			
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
AA	1421	/-	/-	/-	/-	/-
N	1430	/-	/-	/-	/-	/-
AA	Brg W	/id = 5.5	Min R	eq = 1.5	(Trus	s)
N	Brg W	/id = 5.2	Min R	eq = 1.5	(Sup	oort)
Bea	Bearings AA & N are a rigid surface.					

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	3 0	G-H	0 -4618
B-C	0 - 1712	H - I	0 -4619
C-D	0 - 3016	I - J	0 -4311
D-E	0 - 3939	J - K	0 - 3602
E-F	0 -4494	K-L	0 - 2531
F-G	0 -4618	L - M	0 - 1039

Maximum Bot Chord Forces Per Ply (lbs)

Chords	rens.cc	mp.	Chords	Tens. Co	omp.
AA- Z	950	0	U - T	4619	0
Z - Y	2450	0	T - S	4614	0
Y - X	3560	0	S-R	4033	0
X - W	4301	0	R-Q	3144	0
W - V	4641	0	Q-P	1896	0
V - U	4641	0	P-0	75	0

Maximum Web Forces Per Ply (lbs)

rens.C	omp.	webs	i ens.	Comp.
4	- 73	T-I	327	- 111
0	- 37	I - S	0	- 775
0	- 1657	S-J	615	0
1375	0	J-R	0	-777
0	- 1331	R-K	825	0
1021	0	K-Q	0	- 1106
0	- 980	Q-L	1144	0
683	0	L-P	0	- 1546
0	-652	P - M	1629	0
383	0	N - O	8	0
0	- 384	N - M	0	- 227
392	- 362	M - N	9	- 1232
102	- 200			
	4 0 0 1375 0 1021 0 683 0 383 0 392	0 -37 0 -1657 1375 0 0 -1331 1021 0 0 -980 683 0 0 -652 383 0 0 -384 392 -362	4 -73 T-I 0 -37 I-S 0 -1657 S-J 1375 0 J-R 0 -1331 R-K 1021 0 K-Q 0 -980 Q-L 683 0 L-P 0 -652 P-M 383 0 N-O 0 -384 N-M 392 -362 M-N	4 -73 T-I 327 0 -37 I-S 0 0 -1657 S-J 615 1375 0 J-R 0 0 -1331 R-K 825 1021 0 K-Q 0 0 -980 Q-L 1144 683 0 L-P 0 0 -652 P-M 1629 383 0 N-O 8 0 -384 N-M 0 392 -362 M-N 9

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

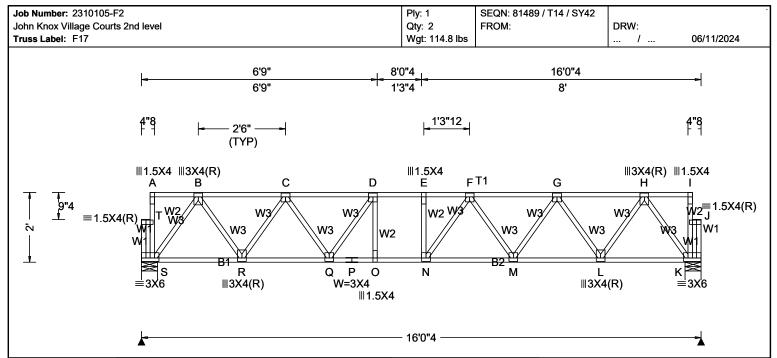
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs



Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dur	ation: 1.00
Spacing:	16.0 "

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.100 E 999 480 VERT(TL): 0.156 N 999 360 HORZ(LL): 0.020 K HORZ(TL): 0.031 K Creep Factor: 2.0 Max TC CSI: 0.526 Max BC CSI: 0.689 Max Web CSI: 0.348 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

	Δ	Maximum	Reactions	(lbs)
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Loc R+ / R- / Rh / Rw / U / RL S 883 /- /- /- /- /- /- K 883 /- /- /- /- /- /- /- S Brg Wid = 5.5 Min Req = 1.5 (Truss) K Brg Wid = 5.5 Min Req = 1.5 (Truss) Bearings S & K are a rigid surface.		Gravity				on-Grav	/ity
K 883 /- /- /- /- /- S Brg Wid = 5.5 Min Req = 1.5 (Truss) K Brg Wid = 5.5 Min Req = 1.5 (Truss)	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
S Brg Wid = 5.5 Min Req = 1.5 (Truss) K Brg Wid = 5.5 Min Req = 1.5 (Truss)	s	883	/-	/-	/-	/-	/-
K Brg Wid = 5.5 Min Req = 1.5 (Truss)	K	883	/-	/-	/-	/-	/-
	S	Brg V	Vid = 5.5	Min Re	q = 1.5	(Truss	s)
Bearings S & K are a rigid surface.	Κ	Brg V	Vid = 5.5	Min Re	q = 1.5	(Truss	s)
	Bearings S & K are a rigid surface.						

Maximum Top Chord Forces Per Ply (lbs)

Chords	rens.comp.	Chords	rens. Comp.
A - B	3 0	E-F	0 -1770
B-C	0 - 979	F-G	0 - 1567
B-C C-D D-E	0 - 1566	G-H	0 - 978
D-E	0 - 1771	H - I	3 0

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
S-R	574	0	O - N	1771	0
R-Q	1357	0	N - M	1745	0
Q-P	1769	0	M - L	1361	0
P-0	1769	0	L-K	573	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
T-S	4 - 75	N-F	261 - 140	
A - T	0 - 39	F-M	0 -320	
S-B	0 - 1002	M - G	373 0	
B - R	729 0	G-L	0 -689	
R-C	0 -682	L-H	730 0	
C - Q	402 0	H - K	0 - 1000	
Q-D	0 -446	l - J	0 -38	
D - O	156 - 64	K-J	4 - 34	
E - N	33 - 130	J - K	0 -39	

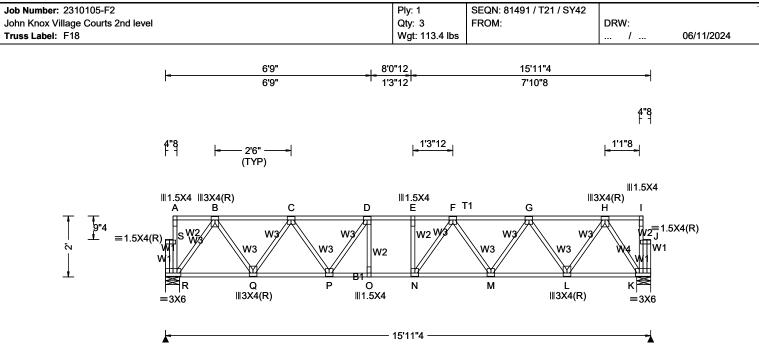
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	<u> </u>		— 15'11 " 4 ————	- <u>-</u>
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/#	A Maximum Reactions (lbs) Gravity Loc R+ /R- /Rh /Rw /U /RL
Lumber				TD-E 0-1753 H-I 3 0

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
R-Q	571	0	N - M	1718	0
Q-P	1347	0	M - L	1321	0
P-0	1752	0	L-K	521	0
O - N	1753	0			

Maximum Web Forces Per Ply (lbs)

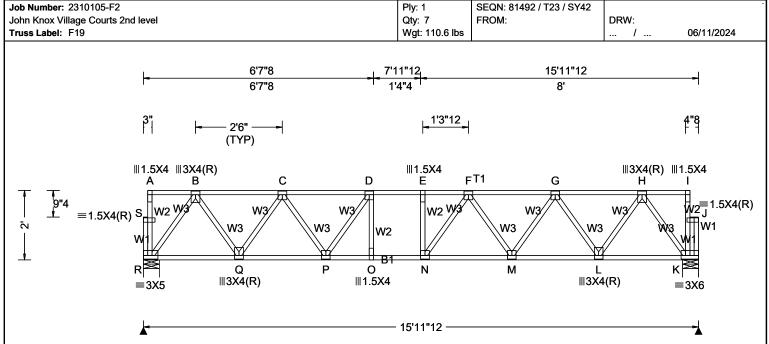
Webs	Tens.C	comp.	Webs	Tens. (Comp.
S-R	4	- 75	N-F	272	- 127
A - S	0	- 39	F-M	0	-332
R-B	0	- 996	M - G	384	0
B - Q	724	0	G-L	0	- 701
Q-C	0	- 676	L-H	741	0
C-P	397	0	H-K	0	- 975
P-D	0	- 440	I - J	0	- 29
D - O	152	- 67	K - J	3	- 33
E - N	26	- 136	J - K	0	- 31

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<u>.</u>		15'11"12		
NCBCLL: 0.00 TCDL: NA BCDL: NA BCDL: NA Load Duration: 1.00 MWFRS I C&C Dist	NA A mph Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	NA PP Deflection in loc L/defl L/#	R 886 /- /- K 888 /- /- R Brg Wid = 5.5 Min Ro K Brg Wid = 5.5 Min Ro Bearings R & K are a rigid s Maximum Top Chord Forc Chords Tens.Comp. C A - B 1 0 E B - C 0 -985 F C - D 0 -1579 G	Non-Gravity / Rw / U / RL /- /- /- /- eq = 1.5 eq = 1.5 urface.

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Chords Tens.Comp.		mp.	Chords	Tens. Comp.	
R-Q	578	0	N - M	1760	0
Q-P	1366	0	M - L	1370	0
P-0	1788	0	L-K	576	0
O - N	1789	0			

Maximum Bot Chord Forces Per Ply (lbs)

Maximum Web Forces Per Ply (lbs)

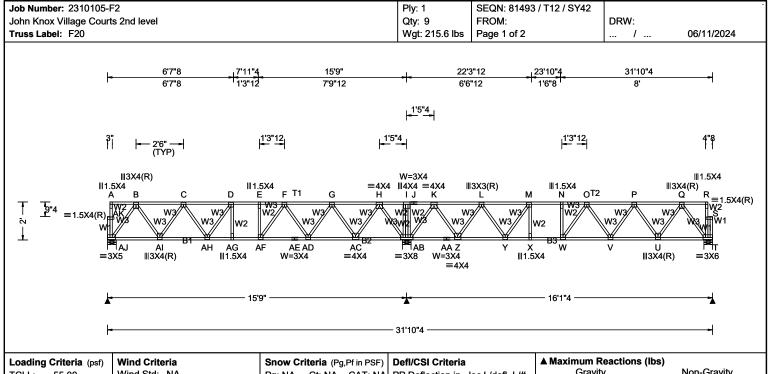
Webs	Tens.Comp.	Webs	Tens. (Comp.
S-R	0 -61	N-F	269	- 137
A - S	0 - 39	F-M	0	- 325
R-B	0 - 1008	M - G	379	0
B - Q	734 0	G-L	0	- 695
Q-C	0 -687	L-H	736	0
C-P	409 0	H - K	0	- 1006
P-D	0 -458	I - J	0	- 38
D - O	160 - 63	K - J	4	- 34
E-N	30 - 137	J - K	0	- 39

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.125 N 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.199 W 950 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.026 T
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.041 T
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.652
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.883
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.415
, , ,	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	-
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10

۱A	PP Deflection in loc L/defl L/#
١.	VERT(LL): 0.125 N 999 480
	VERT(TL): 0.199 W 950 360
	HORZ(LL): 0.026 T
	HORZ(TL): 0.041 T
	Creep Factor: 2.0
	Max TC CSI: 0.652
	Max BC CSI: 0.883
	Max Web CSI: 0.415
	Mfg Specified Camber:
	VIEW Ver: 23.02.04A.0207.10

	▲ Maximum Reactions (IDS)									
		(Gravity	. No	Non-Gravity					
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
)	AJ	825	/-	/-	/-		/-			
	AB	2010) /-	/-	/-	/-	/-			
	Т	857	/-	/-	/-	/-	/-			
	AJ	Brg	Wid = 5	5 Min I	Req = 1.5	5				
	AB	Brg	Wid = 5	5 Min I	Req = 1.5	5				
	Т	Brg	Wid = 5	5 Min I	Req = 1.5	5				
	Bearings AJ, AB, & T are a rigid surface.									
	Max	kimu	m Top C	hord Fo	ces Per	Ply (lb	s)			
	Cho	ords	Tens.Co	omp.	Chords	Tens.	Comp.			

Chords	Tens.Comp.		Chords	Tens.	Comp.
A - B	1	0	J-K	1033	0
B - C	0	- 885	K-L	209	- 531
C-D	0 -	1378	L - M	0	- 1235
D-E	0 -	1512	M - N	0	- 1530
E-F	0 -	1508	N - O	0	- 1530
F-G	0 -	1178	0 - P	0	- 1433
G-H	145	- 493	P-Q	0	- 905
H - I	1033	0	Q-R	3	0
I - J	1033	0			

Webs 4x2 SP #3 **Plating Notes**

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
AJ-AI	525	0	AB-AA	80	- 431
Al-AH	1221	0	AA-Z	80	- 431
AH-AG	1512	0	Z - Y	962	- 29
AG-AF	1512	0	Y - X	1526	0
AF-AE	1410	0	X - W	1530	0
AE-AD	1410	0	W - V	1568	0
AD-AC	925	0	V - U	1256	0
AC-AB	43	- 367	U - T	535	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Ťens.	Comp.
AK-AJ	0	-62	AB- K	0	- 1159
A -AK	0	- 41	K-Z	867	0
AJ- B	0	-917	Z - L	0	-829
B -Al	650	0	L-Y	560	0
AI- C	0	- 605	Y - M	0	-632
C -AH	301	0	M - X	238	0
AH- D	36	- 311	N - W	94	- 81
D -AG	92	- 135	W - O	136	-282
E -AF	0	- 205	0 - V	6	- 244
AF- F	416	0	V - P	319	0

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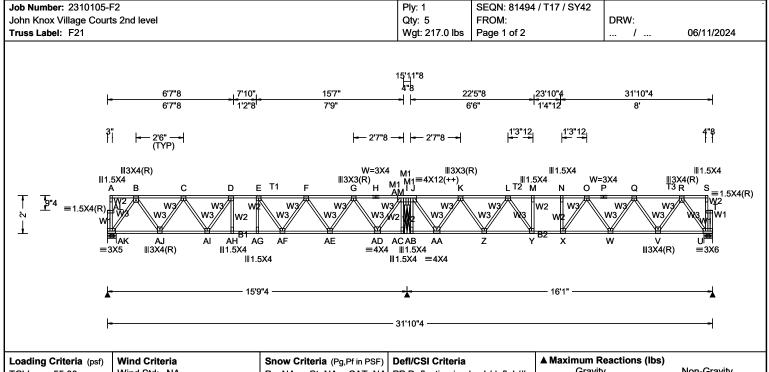
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Job Number: 2310105-F2	Ply: 1	SEQN: 81493 / T12 / SY42	<u></u>
John Knox Village Courts 2nd level	Qty: 9	FROM:	DRW:
Truss Label: F20	Wgt: 215.6 lbs		/ 06/11/2024 0 -486 P-U 0 -632
		AD- G 513	3 0 U-Q 668 0
		G -AC 0 AC- H 872) -839 Q-T 0 -938
		H -AB 0)-1146 T-S 4 -34
		I-AB 0) -147 S-T 0 -39

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Loading	Criteria (pst)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dur	ation: 1.00
Spacing:	16.0 "

Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA

Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.109 N 999 480 VERT(TL): 0.174 N 999 360 HORZ(LL): -0.025 R HORZ(TL): 0.043 R Creep Factor: 2.0 Max TC CSI: 0.564 Max BC CSI: 0.804 Max Web CSI: 0.451 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (IDS)								
L								
ıp.								
355								
305								
311								
35								

N - O

0 - P

P-Q

Q-R

R-S

0 - 1809

- 991

0

0 - 1596

0 - 1596

Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;
Plating Notes

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum	Bot Chord	Forces	Per Plv	(lbs)
axa		. 0.000	,	(

0 - 1564

0 - 1776

0 - 1717

0 - 1339

0 -560

0 - 560

C-D

D-E

E-F

F-G

G-H H - I

Chords Tens.Comp.		Chords	Tens. Comp.		
AK-AJ	574	0	AB-AA	11	- 15
AJ-AI	1356	0	AA-Z	1060	0
Al-AH	1773	0	Z - Y	1634	0
AH-AG	1776	0	Y - X	1811	0
AG-AF	1778	0	X - W	1779	0
AF-AE	1616	0	W - V	1381	0
AE-AD	1041	0	V - U	578	0
AD-AC	11	- 15			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
AL-AK	0	-61	AM-AC	7	0
A -AL	0	- 39	AM- J	0	- 1052
AK- B	0	- 1002	AM-AB	8	0
B -AJ	730	0	AA- K	0	- 881
AJ- C	0	- 681	K-Z	546	0
C -AI	394	0	Z - L	0	-521
Al- D	0	- 450	L-Y	459	0
D -AH	201	- 77	Y - M	0	- 262
AG- E	105	- 173	N - X	53	- 162
E-AF	71	- 274	X - O	273	- 144

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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.

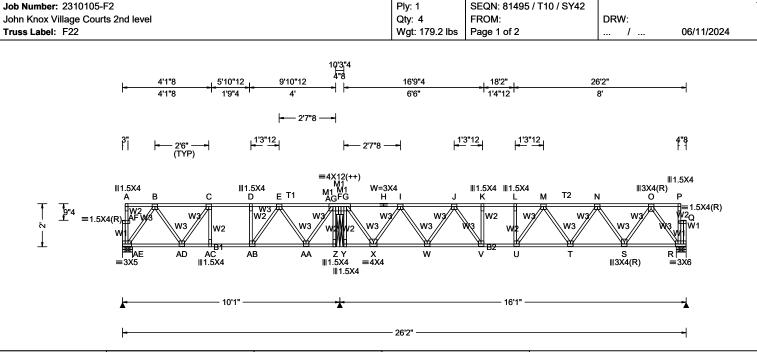
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

bb Number: 2310105-F2	Ply: 1	SEQN: 81494	4 / T17 / SY	/42				
ohn Knox Village Courts 2nd level	Qty: 5	FROM:			DRW:			
russ Label: F21	Wgt: 217.0 lbs	Page 2 of 2				/	06/11/20	24
	·		AF- F	264	0	O - W	0	- 331
			F -AE	0	- 514	W - Q	387	C
			AE- G	552	0	Q - V	0	- 703
			G -AD	0	- 866	V - R	744	C
			AD- I	929	0	R - U	0	- 1014
			I-AM	8	- 1053	S - T	0	- 38
			J -AM	9	0	U - T	4	- 34
			J -AA	948	0	T - U	0	- 39

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SEQN: 81495 / T10 / SY42

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.110 L 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.174 L 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.026 O
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.043 O
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.577
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.675
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.453
'	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs)						
	(Gravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
ΑE	570	/-	/-	/-	•	/-
AG	1488	} /-	/-	/-	/-	/-
R	920	/-	/-	/-	/-	/-
ΑE	Brg '	Wid = 5	5 Min I	Req = 1.5	5	
AG	Brg	Wid = 3	5 Min I	Req = 1.5	5	
R	Brg '	Wid = 5	.5 Min I	Req = 1.5	5	
Bea	ırings	AE, AG	, & R are	a rigid su	ırface.	
Max	kimu	m Top (hord Fo	rces Per	Ply (lb	s)
Cho	ords	Tens.Co	omp.	Chords	Tens.	Comp.

F-H - 576 0 - 1360 0 A - B 0 J - K 0 - 1808 B - C 0 - 534 K-L 0 - 1815 C-D - 693 L-M 0 - 1813 0 D-E - 689 - 1598 0 M - N 0 E-F 0 - 314 N - O 0 - 992

0 - P

Plating Notes

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lt Bearing Leg: 4x2 SP #3;

Webs 4x2 SP #3

Lumber

All plates are 3X3 except as noted.

Job Number: 2310105-F2

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

- 576

Chords	Tens.Comp.		Chords	Tens. Co	omp.
AE-AD	348	0	X - W	1067	0
AD-AC	693	0	W - V	1639	0
AC-AB	693	0	V - U	1815	0
AB-AA	577	0	U - T	1782	0
AA- Z	7	- 16	T - S	1383	0
Y - X	13	-8	S-R	579	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens.	Comp.
AF-AE	0	- 56	X - I	0	-885
A -AF	0	- 35	I - W	539	0
AE- B	0	- 609	W - J	0	-513
B -AD	334	0	J - V	456	0
AD- C	0	- 295	V - K	0	- 262
C -AC	70	- 62	L - U	50	- 163
D -AB	0	- 185	U - M	275	- 139
AB- E	330	0	M - T	0	- 332
E -AA	0	- 474	T - N	388	0
AA- F	520	0	N - S	0	- 704
G -AG	9	0	S-0	745	0
G - X	952	0	0 - R	0	- 1015
F -AG	14	- 807	P-Q	0	- 38
AG- Z	13	0	R-Q	4	- 34

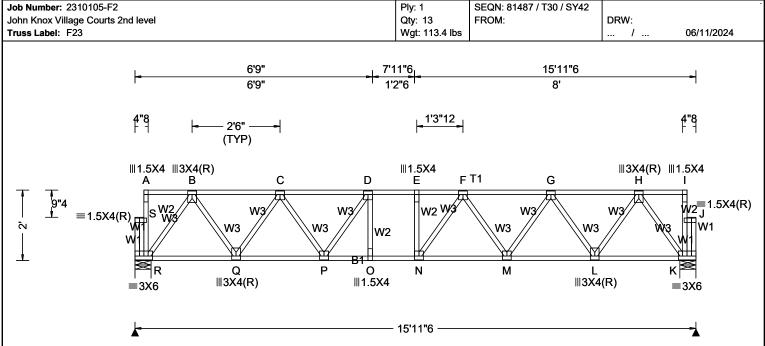
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Job Number: 2310105-F2	Ply: 1	SEQN: 81495	/ T10 / SY42				
John Knox Village Courts 2nd level	Qty: 4	FROM:	,	DRW:			
Truss Label: F22	Wgt: 179.2 lbs	Page 2 of 2				06/11/2024	
			AG- G	925	Q-R	0	- 39
			AG-Y	3 0			
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WING!	II EDS					
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLU Trusses require extreme care in fabricating, handling, shipping installing and bracing. Refe Component Safety Information, by TPI and SBCAI for safety practices prior to performing th	er to and follow the	latest edition o	f BCSI (Building	1			

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	k -		— 15'11 " 6 —		-
TCLL: 555.00 WS TCDL: 20.00 S BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Vind Criteria Vind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft CDL: NA psf BCDL: NA psf JWFRS Parallel Dist: NA S&C Dist a: NA ft Ooc. from endwall: NA Vind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/#	K Brg Wid = 5.5 Min Re Bearings R & K are a rigid su Maximum Top Chord Force Chords Tens.Comp. Ch A - B 3 0 E - B - C 0 -973 F -	Non-Gravity / Rw / U / RL /-

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
R-Q	571	0	N - M	1731	0
Q-P	1349	0	M - L	1352	0
P-0	1754	0	L-K	570	0
O - N	1755	0			

Maximum Web Forces Per Ply (lbs)

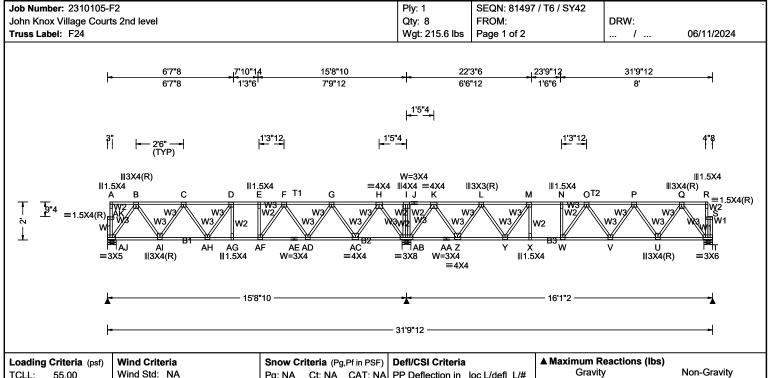
Webs	Tens.Comp.		Webs	Tens.	Comp.
S-R	4	- 75	N-F	254	- 141
A - S	0	- 39	F-M	0	-316
R-B	0	- 997	M - G	367	0
B - Q	724	0	G-L	0	- 684
Q-C	0	-677	L - H	726	0
C-P	396	0	H - K	0	- 995
P-D	0	- 436	l - J	0	- 38
D - O	152	- 66	K-J	4	- 34
E - N	36	- 124	J - K	0	- 39

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Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	Defi/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.124 N 999 48t VERT(TL): 0.198 W 957 36 HORZ(LL): 0.026 T HORZ(TL): 0.041 T
NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.648 Max BC CSI: 0.878 Max Web CSI: 0.414 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10

9 480 7 360

	0.2						
	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
)	AJ	823	/-	/-	/-	/-	/-
	AB	2008	3 /-	/-	/-	/-	/-
	Т	856	/-	/-	/-	/-	/-
	AJ	Brg	Wid =	5.5 Min	Req = 1.	5	
	AB	Brg	Wid =	5.5 Min	Req = 1.5	5	
	Т	Brg	Wid =	5.5 Min	Req = 1.	5	
	Bea	rings	s AJ, Al	3, & T are	a rigid su	rface.	
Maximum Top Chord Forces Per Ply (lbs)						s)	
	Cho	ords	Tens.0	Comp.	Chords	Tens	Comp.

Tells.Com	φ.	Chords	rens.	Comp.
1	0	J-K	1033	0
0 -8	82	K-L	209	- 528
0 - 13	72	L - M	0	- 1232
0 - 15	04	M - N	0	- 1526
0 - 15	01	N - O	0	- 1526
0 - 11	73	0 - P	0	- 1430
149 -4	89	P-Q	0	- 904
1033	0	Q-R	3	0
1033	0			
	1 0 -8 0 -13 0 -15 0 -15 0 -11 149 -4	0 -882 0 -1372 0 -1504 0 -1501 0 -1173 149 -489 1033 0	1 0 J-K 0 -882 K-L 0 -1372 L-M 0 -1504 M-N 0 -1501 N-O 0 -1173 O-P 149 -489 P-Q 1033 0 Q-R	1 0 J-K 1033 0 -882 K-L 209 0 -1372 L-M 0 0 -1504 M-N 0 0 -1501 N-O 0 0 -1173 O-P 0 149 -489 P-Q 0 1033 0 Q-R 3

Webs 4x2 SP #3 **Plating Notes**

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
AJ-AI	523	0	AB-AA	76	- 432
Al-AH	1217	0	AA-Z	76	- 432
AH-AG	1505	0	Z - Y	958	- 29
AG-AF	1504	0	Y - X	1522	0
AF-AE	1404	0	X - W	1526	0
AE-AD	1404	0	W - V	1564	0
AD-AC	921	0	V - U	1254	0
AC-AB	40	- 366	U - T	534	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AK-AJ	0	- 62	AB- K	0	- 1158
A -AK	0	- 41	K-Z	866	0
AJ- B	0	- 914	Z - L	0	-828
B -Al	647	0	L-Y	559	0
AI- C	0	-603	Y - M	0	-630
C -AH	299	0	M - X	237	0
AH- D	39	- 309	N - W	94	- 79
D -AG	91	- 135	W - O	134	- 281
E -AF	0	- 202	0 - V	6	- 242
AF- F	413	- 1	V - P	318	0

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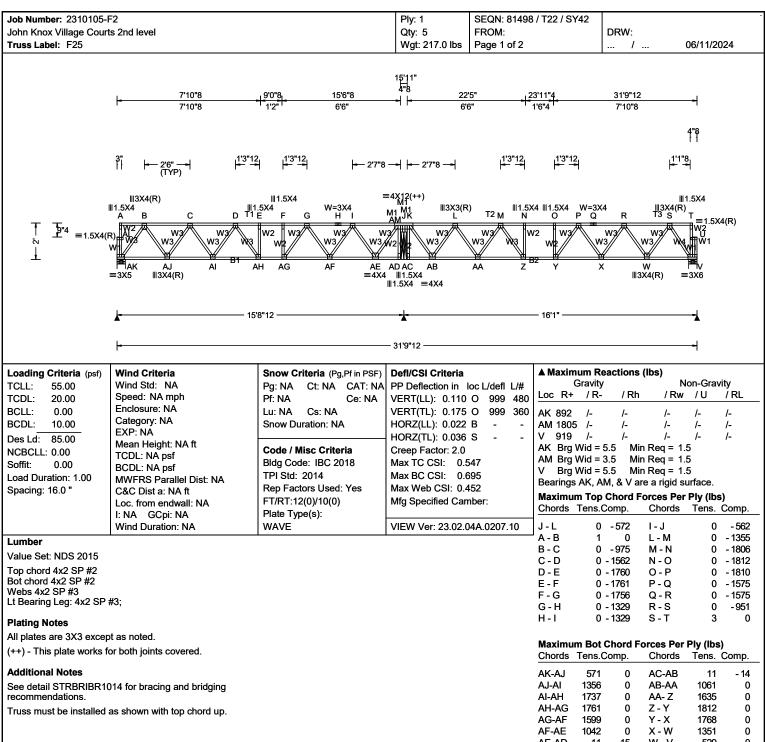
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Job Number: 2310105-F2	Ply: 1	SEQN: 81497 / T6 / SY42	
John Knox Village Courts 2nd level	Qty: 8	FROM:	DRW:
Truss Label: F24	Wgt: 215.6 lbs		/ 06/11/2024 0 -484 P-U 0 -630
		AD- G 5	11 0 U-Q 667 0
		G -AC	0 -837 Q-T 0 -937 70 0 R-S 0 -37
		H -AB	0 - 1144 T - S 4 - 34
		I -AB	0 -147 S-T 0 -39

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Chords	Tens.C	omp.	Chords	Tens. C	Comp.
AK-AJ	571	0	AC-AB	11	- 14
AJ-AI	1356	0	AB-AA	1061	0
Al-AH	1737	0	AA-Z	1635	0
AH-AG	1761	0	Z - Y	1812	0
AG-AF	1599	0	Y - X	1768	0
AF-AE	1042	0	X - W	1351	0
ΔE-ΔD	11	- 15	W - W	520	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AL-AK	0	- 59	AM-AD	8	0
A -AL	0	- 38	AM- K	0	- 1054
AK- B	0	- 998	AM-AC	8	0
B -AJ	728	0	AB- L	0	- 882
AJ- C	0	- 687	L-AA	545	0
C -AI	370	0	AA- M	0	- 519
Al- D	0	- 317	M - Z	465	0
D -AH	249	- 149	Z - N	0	-268
AH- E	60	- 145	0 - Y	41	- 175
F -AG	0	- 240	Y-P	292	- 127
AG- G	425	0	P-X	0	- 348

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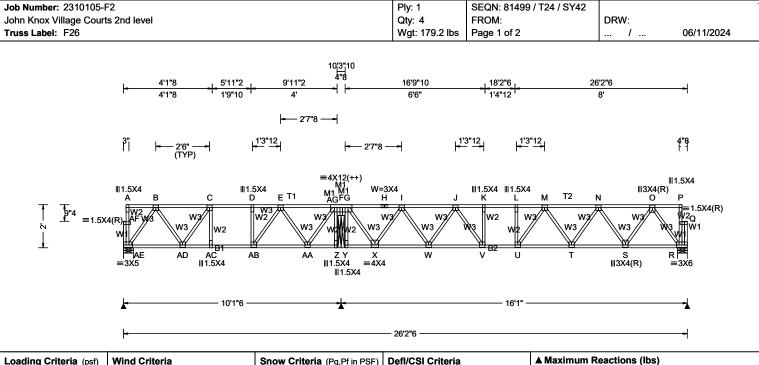
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Number: 2310105-F2	Ply: 1	SEQN: 81498	8 / T22 / SY42	T			
nn Knox Village Courts 2nd level	Qty: 5	FROM:		DRW:			
iss Label: F25	Wgt: 217.0 lbs	Page 2 of 2			/	06/11/2024	.4
			G-AF	0 - 503	X-R	404	0
			AF- I 53	31 0	R-W	0 -	- 721
			I-AE	0 -866	W - S	760	0
			AE- J 93:	32 0	S - V	0 -	- 994
			K -AM	9 0	T - U	0	- 29
			K - AB 94	48 0	V - U	3	- 33
			J -AM	9 - 1049	U - V	0	- 32

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.110 L 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.174 L 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.027 O
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.044 O
NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.577 Max BC CSI: 0.675 Max Web CSI: 0.453 Mfg Specified Camber:
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10
Lumber			

L/#		G	ravity	•	No	on-Gra	vity
480	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ F
360	ΑE	571	/-	/-	/-	/-	/-
-	AG	1490	/-	/-	/-	/-	/-
-	R	920	/-	/-	/-	/-	/-
	ΑE	Brg W	/id = 5.5	Min Re	q = 1.5	5	
	AG	Brg W	/id = 3.5	Min Re	q = 1.5	5	
	R	Brg W	/id = 5.5	Min Re	q = 1.5	5	
	Bea	rings /	AE, AG,	& R are a	rigid su	rface.	
	Max	kimum	Top Ch	ord Force	es Per	Ply (lb	s)

(lbs) Chords Tens.Comp. Chords Tens. Comp. F-H - 576 0 - 1360 0 I - JA - B 0 J - K 0 - 1809 B - C 0 - 536 K-L 0 - 1815 - 697 L-M 0 - 1813 C-D 0 0 - 693 - 1598 D-E M - N 0 E-F 0 - 316 N - O 0 - 992 - 576 0 - P

/ RL /-/_ /-

Plating Notes

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lt Bearing Leg: 4x2 SP #3;

Webs 4x2 SP #3

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
AE-AD	350	0	X - W	1067	0
AD-AC	697	0	W - V	1639	0
AC-AB	697	0	V - U	1815	0
AB-AA	580	0	U - T	1782	0
AA- Z	7	- 16	T - S	1383	0
Y - X	13	-8	S-R	579	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AF-AE	0	- 56	X - I	0	-885
A -AF	0	- 35	I - W	539	0
AE- B	0	-611	W - J	0	-513
B -AD	337	0	J - V	456	0
AD- C	0	- 298	V - K	0	- 262
C -AC	70	-61	L-U	50	- 163
D -AB	0	- 188	U - M	275	- 139
AB- E	333	0	M - T	0	- 332
E-AA	0	- 476	T - N	388	0
AA- F	522	0	N - S	0	- 704
G -AG	9	0	S-O	745	0
G-X	952	0	0 - R	0	- 1015
F -AG	14	- 809	P-Q	0	- 38
AG- Z	13	0	R-Q	4	- 34

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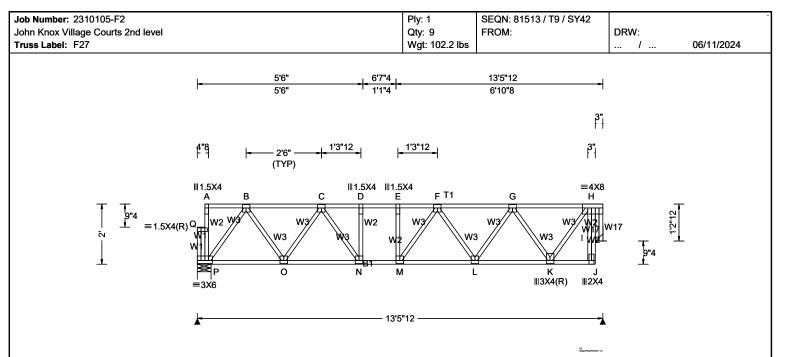
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Job Number: 2310105-F2	Ply: 1	SEQN: 81499	/ T24 / SY42			
John Knox Village Courts 2nd level Truss Label: F26	Qty: 4 Wgt: 179.2 lbs	FROM: Page 2 of 2		DRW:	1	06/11/2024
· · · · · · · · · · · · · · · · · · ·	11.9 170.2 105	1, 490 2 01 2	AG- G	- 926	Q - R	0 - 39
			AG-Y	0		
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WING!					
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLU Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refe Component Safety Information, by TPI and SBCA) for safety practices prior to performing th bracing ner RCSU fulless noted otherwise ton chord shall have properly attached structural.	DING THE INSTA or to and follow the	LLERS latest edition o	f BCSI (Building	1		
Component Safety Information, by TPI and SBCA) for safety practices prior to performing the	ese functions. In	stallers shall pro	vide temporary			

per BCSI. Unless noted otherwise.top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	
TCLL: 55.00	Wind Std: NA	J -	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.063 E 999 480	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.097 M 999 360	P 735 /- /-	/- /- /-
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.011 J	I 739 /- /-	/- /- /-
Des Ld: 85.00	EXP: NA Mean Height: NA ft		HORZ(TL): 0.017 J		Req = 1.5 (Truss)
NCBCLL: 0.00	TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0	J 3	Req = -
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.418	Bearing P is a rigid surface	.
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.464	Maximum Top Chord Fore	
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.347	Chords Tens.Comp. C	Chords Tens. Comp.
1 3	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:	A-B 3 0 E	E-F 0 -1213
	I: NA GCpi: NA	Plate Type(s):		B-C 0 -772 F	- G 0 - 1034
1	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	C-D 0-1208 0	G - H 0 - 451
	II.	I .	I	D_F 0_1214	

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

li Dià	VVIU - 3.3 IVI	III I XCY - I.	J (11433)	
I Brg	Wid = - M	in Req = -		
Bearing	P is a rigid surf	ace.		
Maximu	ım Top Chord I	Forces Per	Ply (lbs)	
Chords	Tens.Comp.	Chords	Tens. Com	p.
A - B	3 0	E-F	0 -12	13
B-C	0 -772	F-G	0 - 10	34
C-D D-E	0 - 1208	G-H	0 -4	51
D-E	0 - 1214			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp	
P-0	472	0	M - L	1198	0
O - N	1053	0	L-K	838	0
N - M	1214	0	K - J	47	0

Maximum Web Forces Per Ply (lbs)

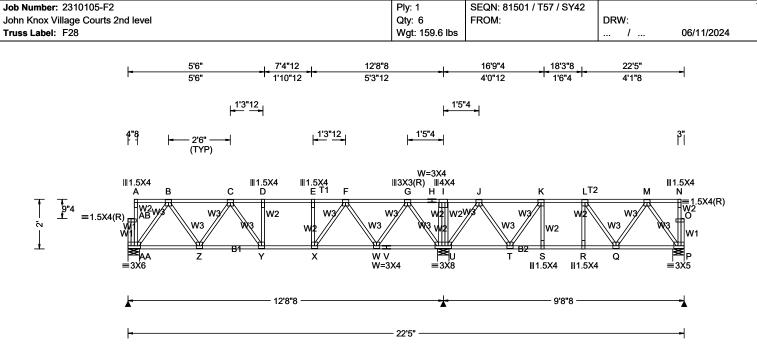
Webs	Tens.Comp.		Webs	Tens. (Comp.
Q-P	3	- 70	M - F	197	- 108
A - Q	0	- 35	F-L	0	- 297
P-B	0	- 825	L-G	353	0
B - O	540	0	G-K	0	- 697
0 - C	0	- 507	K - H	730	0
C - N	379	0	H - I	0	-722
N - D	0	-216	I - H	0	- 14
E - M	38	- 116	I - J	4	- 1

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dur	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.058 D 999 480 VERT(TL): 0.106 D 999 360 HORZ(LL): 0.017 B HORZ(TL): 0.032 B Creep Factor: 2.0 Max TC CSI: 0.590 Max BC CSI: 0.468 Max Web CSI: 0.264 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

•	Maximum	Reactions	(lbs)
	Grav	/ity	

R+ / R-/Rw /U / RL AA 722 /-/u 1333 /-/_ /-Ρ 552 /-/-/-/-/-AA Brg Wid = 5.5 Min Req = 1.5 U Brg Wid = 5.5 Min Req = 1.5 Brg Wid = 5.5 Min Req = 1.5 Bearings AA, U, & P are a rigid surface.

Non-Gravity

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

-				
A - B	3 0	H - I	366	0
B - C	0 -720	I - J	366	0
C-D	0 - 1081	J-K	0	- 501
D-E	0 - 1086	K-L	0	- 658
E-F	0 - 1080	L - M	0	- 508
F-G	0 -681	M - N	1	0
G - H	366 0			

Webs 4x2 SP #3 **Plating Notes**

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. C	omp.
AA- Z	444	0	U - T	331	- 51
Z - Y	969	0	T - S	657	0
Y - X	1086	0	S-R	658	0
X - W	947	0	R-Q	657	0
W - V	398	0	Q-P	337	0
V - U	398	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	l ens.	Comp.
AB-AA	4	- 72	I - U	0	- 130
A -AB	0	- 36	U - J	0	-659
AA- B	0	- 779	J - T	400	0
B - Z	498	0	T - K	0	-412
Z - C	0	- 450	K-S	141	- 36
C - Y	291	0	R-L	69	- 109
Y - D	0	- 183	L-Q	0	- 269
E-X	0	- 236	Q - M	310	0
X - F	393	0	M - P	0	- 589
F-W	0	- 535	N - O	0	- 33
W - G	554	0	P-0	0	- 12
G-U	0	- 846	0 - P	0	- 43

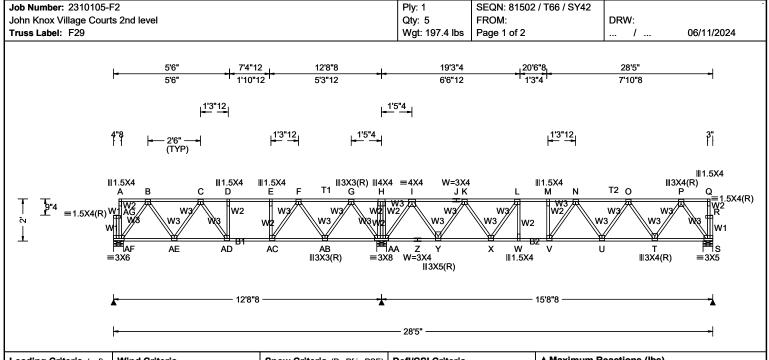
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Loading (Criteria	(psf)
TCLL:	55.00	
TCDL:	20.00	
BCLL:	0.00	
BCDL:	10.00	
Des Ld:	85.00	
NCBCLL:	0.00	
Soffit:	0.00	
Load Dura	ation: 1.0	00
Spacing:	16.0 "	

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.104 M 999 480 VERT(TL): 0.161 V 999 360 HORZ(LL): 0.023 S HORZ(TL): 0.037 S Creep Factor: 2.0 Max TC CSI: 0.704 Max BC CSI: 0.748 Max Web CSI: 0.387 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Δ	Maximum	Reactions	(lbs)
	Grav	rity .	

Gravity			N	on-Gra	avity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AF	687	/-	/-	/-	/-	/-
AA	173	5 /-	/-	/-	/-	/-
s	865	/-	/-	/-	/-	/-
AF	Brg	Wid = 5.5	5 Min	Req = 1.5	5	
AA	Brg	Wid = 5.5	5 Min	Req = 1.5	5	
s	Brg	Wid = 5.5	5 Min	Req = 1.	5	
Bea	rings	SAF, AA,	& S are	a rigid su	rface.	

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

 А - В	3	0	I - J	0	- 781
B - C	0	- 675	J-K	0	- 781
C - D	0	- 970	K-L	0	- 1411
D-E	0	- 973	L - M	0	- 1645
E-F	0	- 967	M - N	0	- 1644
F-G	60	- 502	N - O	0	- 1492
G - H	694	0	O - P	0	- 939
H - I	694	0	P-Q	1	0

Webs 4x2 SP #3 **Plating Notes**

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. Co	omp.
AF-AE	420	0	Y - X	1179	0
AE-AD	898	0	X - W	1642	0
AD-AC	973	0	W - V	1645	0
AC-AB	794	0	V - U	1648	0
AB-AA	197	- 204	U - T	1303	0
AA- Z	364	- 85	T-S	553	0
Z - Y	364	- 85			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens. (Comp.
AG-AF	4	-72	Y - K	0	- 777
A -AG	0	- 36	K - X	488	0
AF-B	0	- 738	X - L	0	- 547
B -AE	460	0	L - W	203	- 38
AE- C	0	-402	M - V	81	- 102
C -AD	208	-43	V - N	203	- 242
AD- D	28	- 137	N - U	0	- 281
E -AC	0	- 263	U - O	341	0
AC-F	444	0	0 - T	0	- 656
F -AB	0	- 581	T-P	696	0
AB- G	588	0	P-S	0	- 966
G -AA	0	- 879	Q-R	0	- 38

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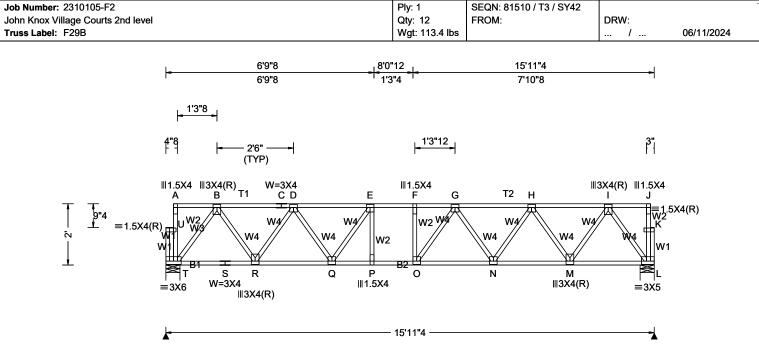
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ob Number: 2310105-F2 ohn Knox Village Courts 2nd level russ Label: F29	Ply: 1 Qty: 5 Wgt: 197.4 lbs	SEQN: 81502 FROM: Page 2 of 2	2 / T66 / SY42	DRW:	/	06/11/202	24
	,		AA- I	0 - 134 0 - 1101 3 0	S-R R-S	0	- 12 - 47
			1-1 0	0			
WARNING READ AND FOLLOW AI **IMPORTANT** FURNISH THIS DRAWING TO ALL sses require extreme care in fabricating, handling, shipping, in							

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



	<u> </u>		— 15'11"4 ———————————————————————————————————		-₹
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria	L 884 /- /- T Brg Wid = 5.5 Min F L Brg Wid = 5.5 Min F Bearings T & L are a rigid: Maximum Top Chord For Chords Tens.Comp. A - B 3 0 I B - C 0 - 995 0 C - D 0 - 995	Non-Gravity / Rw / U / RL /-
Lumber	1	I .	1	D-E 0-1579 I	-J 1 0

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

3 0	F-G	0 - 1780
0 -995	G-H	0 - 1574
0 -995	H - I	0 -982
0 - 1579	I - J	1 0
0 - 1782		
	0 -995 0 -995 0 -1579	0 -995 G-H 0 -995 H-I 0 -1579 I-J

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

Onlords	rens.comp.		Onlords	rens. comp.		
T-S	592	0	P-0	1782	0	
S-R	592	0	O - N	1753	0	
R-Q	1372	0	N - M	1366	0	
Q - P	1780	0	M - L	575	0	

Maximum Web Forces Per Ply (lbs)

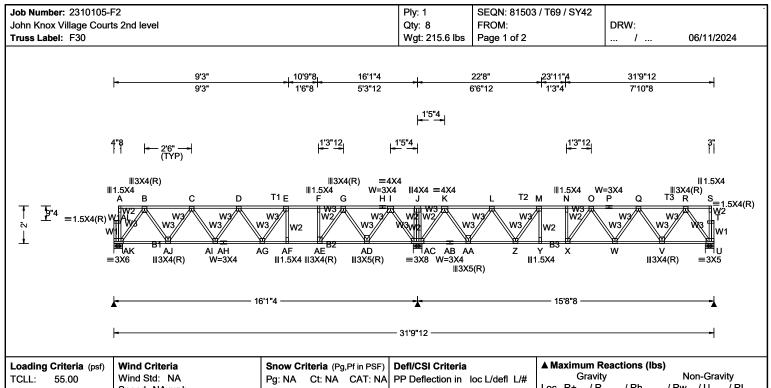
AACD2	rens.comp.		AACD2	rens. Comp.	
U - T	4	- 78	0 - G	265	- 137
A - U	0	- 42	G - N	0	- 323
T - B	0 -1	012	N - H	375	0
B-R	726	0	H - M	0	-692
R-D	0 -	679	M - I	733	0
D - Q	400	0	I - L	0	- 1003
Q-E	0 -	444	J-K	0	- 38
E-P	155	- 66	L - K	0	- 12
F-0	32 -	131	K-L	0	- 47

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Loading Criteria (psf)	٧
TCLL: 55.00	۷
TCDL: 20.00	S
BCLL: 0.00	E
BCDL: 10.00	(
Des Ld: 85.00	E
NCBCLL: 0.00	Ϊ́
Soffit: 0.00	E
Load Duration: 1.00	١
Spacing: 16.0 "	C
	ĺL

Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft CDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

VERT(LL): 0.167 E 999 480 VERT(TL): 0.260 E 729 360 HORZ(LL): 0.037 B HORZ(TL): 0.058 B Creep Factor: 2.0 Max TC CSI: 0.855 Max BC CSI: 0.874 Max Web CSI: 0.386 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ M	▲ Maximum Reactions (lbs)									
	G	ravity		No	on-Gra	vity				
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL				
AK	896	/-	/-	/-	/-	/-				
AC	1913	/-	/-	/-	/-	/-				
U	855	/-	/-	/-	/-	/-				
AK	Brg V	Vid = 5.5	Min	Req = 1.5	5					
AC	Brg V	Vid = 5.5	Min	Req = 1.5	5					
U		Vid = 5.5		Req = 1.5	5					

Bearings AK, AC, & U are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)								
Chords	Tens.Com	p.	Chords	s Tens.	Comp.			
A - B	3	0	J-K	698	0			
B - C	0 -9	59	K-L	0	- 711			
C - D	0 - 15	34	L - M	0	- 1357			
D-E	0 - 17	13	M - N	0	- 1600			
E-F	0 - 15	91	N - O	0	- 1600			
F-G	0 - 15	80	0 - P	0	- 1465			
G-H	46 - 7	84	P-Q	0	- 1465			
H - I	46 -7	84	Q-R	0	- 925			
I - J	698	0	R-S	1	0			

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
AK-AJ	564	0	AC-AB	290	- 44
AJ-AI	1327	0	AB-AA	290	- 44
Al-AH	1727	0	AA-Z	1116	0
AH-AG	1727	0	Z - Y	1597	0
AG-AF	1599	0	Y - X	1600	0
AF-AE	1591	0	X - W	1614	0
AE-AD	1219	0	W - V	1282	0
AD-AC	373	- 225	V - U	546	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
AL-AK	4	-71	AC- K	0	- 1099
A -AL	0	- 36	K-AA	811	0
AK- B	0	- 989	AA- L	0	- 778
B -AJ	712	0	L - Z	490	0
AJ- C	0	- 664	Z - M	0	- 535
C -AI	373	0	M - Y	197	- 30
Al- D	0	- 347	N - X	75	- 93
D -AG	95	- 134	X - O	183	-230
AG- E	358	- 19	O - W	0	- 268
E -AF	0	- 311	W - Q	330	0

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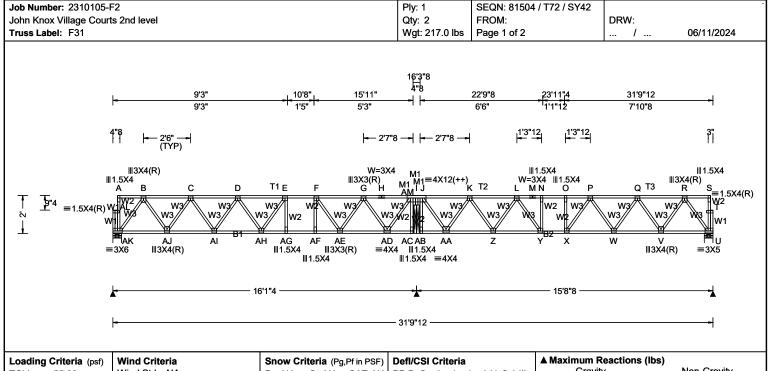
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs

Job Number: 2310105-F2	Ply: 1	SEQN: 81503	8 / T69 / SV42				
John Knox Village Courts 2nd level	Qty: 8	FROM:	,, 100/0142	DRW:			
Truss Label: F30	Wgt: 215.6 lbs	Page 2 of 2			/	06/11/20	24
		•	F-AE (360	Q - V	0	- 644
			AE- G 766	6 0	V - R	684	0
			G -AD (AD- I 78	- 839 1 0	R - U S - T	0 0	- 953 - 37
			I-AC () - 1087	U - T	0	- 12
			J-AC	- 135	T - U	0	- 47

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dur	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2

Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.140 E 999 480 VERT(TL): 0.224 E 846 360 HORZ(LL): 0.030 B HORZ(TL): 0.048 B Creep Factor: 2.0 Max TC CSI: 0.686 Max BC CSI: 0.882 Max Web CSI: 0.450 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

	Gravity				Non-Gravity			
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
	AK	920	/-	/-	/-	/-	/-	
	AM	1805	<i>j</i> /-	/-	/-	/-	/-	
	U	891	/-	/-	/-	/-	/-	
	AK	Brg '	Wid = 5	.5 Min	Req = 1	.5		
	AM	Brg '	Wid = 3	.5 Min	Req = 1	.5		
	U	Brg '	Wid = 5	.5 Mir	Req = 1	.5		
	Bea	rings	AK, AN	/I, & U ar	e a rigid s	surface.		
	Max	imu	т Тор	Chord F	orces Pe	Ply (lb	s)	
	Cho	rds	Tens.C	omp.	Chords	Tens.	Comp.	
	I - K		0	- 561	K-L	0	- 1327	
_	A - E	3	3	0	L - M	Ó	- 1751	
	B - 0	2	0	- 993	M - N	0	- 1751	
	C - I)	Ô.	- 1600	N - O	Ô	- 1757	

0 - P

P-Q

Q-R

R-S

0

0 - 1558

- 1756

- 973

Plating Notes

Webs 4x2 SP #3

Lumber

All plates are 3X3 except as noted.

Bot chord 4x2 SP #1 B2 4x2 SP #2;

Rt Bearing Leg: 4x2 SP #3;

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum	Bot Cho	rd Forces	Per Ply (lbs)
MUXIII	DOL OILO	u 1 01003	

0 - 1815

0 - 1733

0 - 1366

0 -572

0 - 572

D-E

E-F

F-G

G-H H - I

Chords	Tens.Comp.		Chords	Tens. Comp.	
AK-AJ	581	0	AB-AA	11	- 15
AJ-AI	1378	0	AA-Z	1041	0
Al-AH	1806	0	Z - Y	1596	0
AH-AG	1740	0	Y - X	1757	0
AG-AF	1733	0	X - W	1733	0
AF-AE	1724	0	W - V	1354	0
AE-AD	1053	0	V - U	570	0
AD-AC	13	- 14			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
AL-AK	4	-72	AM-AC	6	0
A -AL	0	- 36	AM- J	0	- 1042
AK- B	0	- 1018	AM-AB	8	0
B -AJ	742	0	AA- K	0	- 865
AJ- C	0	- 695	K-Z	530	0
C -AI	400	0	Z - L	0	- 502
Al- D	0	- 372	L-Y	422	0
D -AH	153	- 77	Y - N	0	- 238
AH- E	274	- 114	O - X	60	- 143
E -AG	6	- 299	X - P	246	- 150

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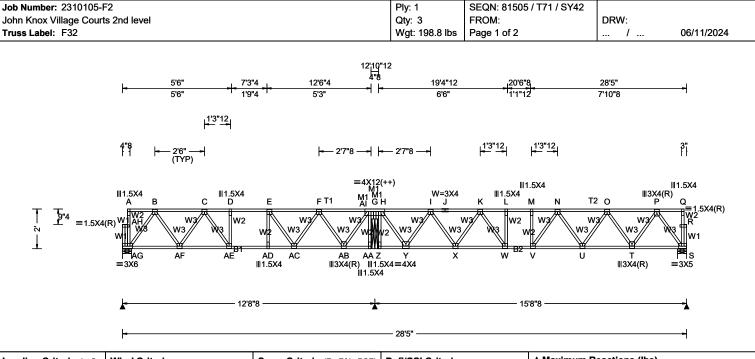
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Job Number: 2310105-F2 John Knox Village Courts 2nd level Truss Label: F31	Ply: 1 Qty: 2 Wgt: 217.0 lbs	SEQN: 81504 / T72 / SY42 FROM: Page 2 of 2	DRW: / 06/11/2024
1000 20001: 101	Wg. 211.0 lbC	AF- F 329 F - AE 0 AE- G 578 G - AD 0 AD- I 945	0 P-W 0 -316 -690 W-Q 369 0 0 Q-V 0 -685 -868 V-R 727 0 0 R-U 0 -996 -1060 S-T 0 -38
		J -AA 930	0 T-U 0 -47

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criter
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection i
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.1
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.1
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.0
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.0
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI:
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI:
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI:
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified (
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.0

-)	Defl/CSI Criteria
ΙΑ	PP Deflection in loc L/defl L/#
	VERT(LL): 0.100 M 999 480
	VERT(TL): 0.160 M 999 360
	HORZ(LL): -0.027 P
	HORZ(TL): 0.046 P
	Creep Factor: 2.0
	Max TC CSI: 0.564
	Max BC CSI: 0.602
	Max Web CSI: 0.444
	Mfg Specified Camber:
	VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs)									
Gravity Non-Gravity									
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL			
AG	727	/-	/-	/-	/-	/-			
ΑI	1614	/-	<i>I</i> -	/-	/-	/-			
S	891	/-	/-	/-	/-	/-			
	Brg W	/id = 5.5	Min Re	eq = 1.5	5				
ΑI	Brg W	/id = 3.5	Min Re	eq = 1.5	5				
S	Brg W	/id = 5.5	Min Re	eq = 1.5	5				
Bearings AG, AI, & S are a rigid surface.									
Max	Maximum Top Chord Forces Per Ply (lbs)								
Cho	Chards Tens Comp Chards Tens Comp								

Chords	Tens.Comp.	Chords	Tens. Comp.
G-I	0 - 564	J-K	0 - 1330
A - B	3 0	K-L	0 - 1753
B - C	0 - 726	L - M	0 - 1759
C - D	0 - 1103	M - N	0 - 1758
D-E	0 - 1107	N - O	0 - 1560
E-F	0 - 959	0 - P	0 - 974
F-G	0 -426	P-Q	1 0
I - J	0 - 1330		

Plating Notes

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum	Bot Chord	l Forces	Per Ply (lbs)	

Chords	Tens.Comp.		Chords	Tens. Co	omp.
AG-AF	447	0	Y - X	1045	0
AF-AE	982	0	X - W	1599	0
AE-AD	1107	0	W - V	1759	0
AD-AC	1107	0	V - U	1735	0
AC-AB	786	0	U - T	1355	0
AB-AA	8	- 15	T - S	571	0
Z - Y	12	- 11			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs Tens.		Comp.		
AH-AG	4	- 71	Al- Z	8	0		
A -AH	0	- 35	Y - I	0	- 867		
AG- B	0	- 785	I - X	526	0		
B -AF	503	0	X - K	0	-498		
AF- C	0	-462	K-W	421	0		
C -AE	340	0	W - L	0	-238		
AE- D	0	- 187	M - V	59	- 144		
AD- E	99	- 73	V - N	248	- 147		
E -AC	0	- 360	N - U	0	-316		
AC- F	342	0	U - O	370	0		
F -AB	0	- 650	O - T	0	- 686		
AB- G	706	0	T-P	727	0		

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

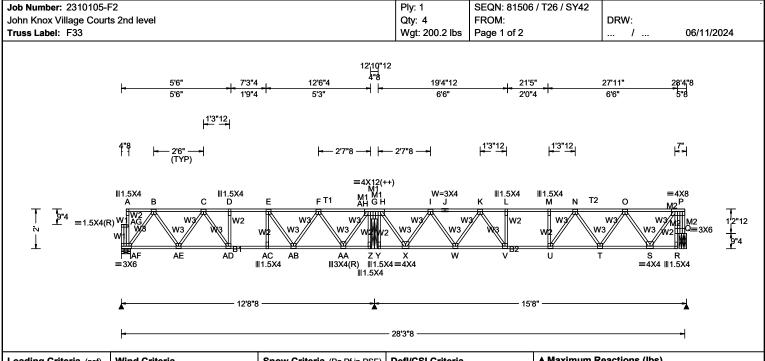
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Job Number: 2310105-F2	Ply: 1	SEQN: 81505	5 / T71 / SV/2	,					\neg
John Knox Village Courts 2nd level	Qty: 3	FROM:)/1/1/3142	-	DRW:				
Truss Label: F32	Wgt: 198.8 lbs	Page 2 of 2					06/11/2	024	_
			G -Al	9	- 904	P-S	0	- 997	٦
			H -AI H - Y AI-AA	9 933	0 0 0	Q-R S-R	0 0 0	- 38 - 12	
			Al-AA	8	0	S - R R - S	0	- 12 - 47	
			Al- H	0	- 975				١
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WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WING!								\dashv
TELE / NED / CLEOW ALL NOTES ON THIS DIVE									

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Loading (Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dura	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft

Loc. from endwall: NA I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.106 M 999 480 VERT(TL): 0.182 M 999 360 HORZ(LL): -0.027 P HORZ(TL): 0.046 P Creep Factor: 2.0 Max TC CSI: 0.743 Max BC CSI: 0.667 Max Web CSI: 0.726 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ M	aximu	m Rea	ctions (Il	os)		
	G	ravity	No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
AF	727	/-	/-	/-	/-	/-
AΗ	1607	/-	/-	/-	/-	/-
Q	884	/-	/-	/-	/-	/-
AF	Brg W	/id = 5.	5 Min F	Req = 1.5	5	
AH	Brg W	/id = 3.	5 Min F	Req = 1.5	5	
Q	Brg W	id = 4.9	5 Min F	Req = 1.5	5	
Bea	rings A	AF AH	& Q are	a rigid su	rface	

Maximum Top Chord Forces Per Ply (lbs)									
Chords	Tens.Comp.	Chords	Tens. Comp.						
G - I	0 - 557	I - J	0 - 1316						
A - B	3 0	J-K	0 - 1316						
B - C	0 - 726	K-L	0 - 1722						
C - D	0 - 1103	L - M	0 - 1728						
D-E	0 - 1108	M - N	0 - 1723						
E-F	0 - 959	N - O	0 - 1357						
F-G	0 -426	O - P	0 -615						

Plating Notes

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Co	omp.
AF-AE	447	0	X - W	1034	0
AE-AD	982	0	W - V	1576	0
AD-AC	1108	0	V - U	1728	0
AC-AB	1107	0	U - T	1599	0
AB-AA	786	0	T - S	1090	0
AA- Z	8	- 16	S-R	73	0
Y - X	12	- 11			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
AG-AF	4	-71	AH- H	0	- 969
A -AG	0	- 35	AH- Y	9	0
AF- B	0	- 785	X - I	0	-860
B -AE	503	0	I - W	520	0
AE- C	0	- 462	W - K	0	-483
C -AD	341	0	K-V	446	0
AD- D	0	- 187	V - L	0	- 267
AC- E	99	- 73	M - U	0	- 248
E -AB	0	- 360	U - N	407	-7
AB- F	342	0	N - T	0	-436
F -AA	0	- 650	T - O	481	0
AA- G	706	0	0 - S	0	- 857
G -AH	9	- 902	S - P	917	0

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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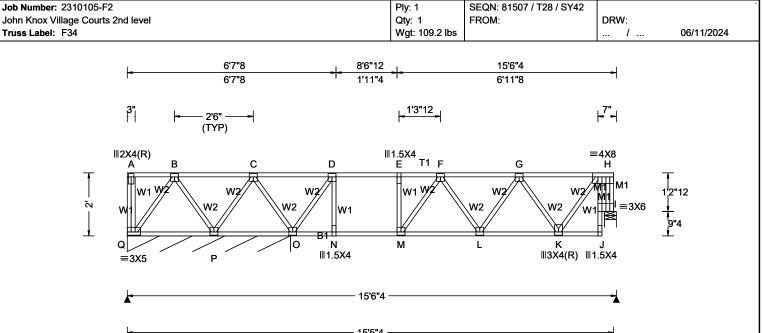
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

	T p	1 050N 0450	, , Too , O) (40				
Job Number: 2310105-F2 John Knox Village Courts 2nd level	Ply: 1 Qty: 4	SEQN: 81506 FROM:	3 / T26 / SY42	DRW:			
Truss Label: F33	Wgt: 200.2 lbs	Page 2 of 2			/ 00	6/11/2024	ı
	119 200.2 103	1 490 2 01 2	L AL 40		Q - R		
			H -AH 10 H - X 922 AH- Z 8	0 0	Q - R Q - P	10 0 11 -	0 - 78
			AH- Z 8	2 0 3 0	Q - P P - Q	11 -	- 818
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WING!						

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	-	15'5"	4 ————		
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/#	- J	Non-Gravity / Rw / U / RL /- /- /- /- /- /- Req = - Req = 1.5
Lumber	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	C-D 0 -844 D-E 0 -1134	G-H 0 -492

Value Set: NDS 2015 Top chord 4x2 SP #2

Bot chord 4x2 SP #2 Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
Q-P	237	0	M - L	1179	0
P-0	1244	0	L-K	872	0
O - N	1128	0	K-J	63	0
N - M	1134	0			

Maximum Web Forces Per Ply (lbs)

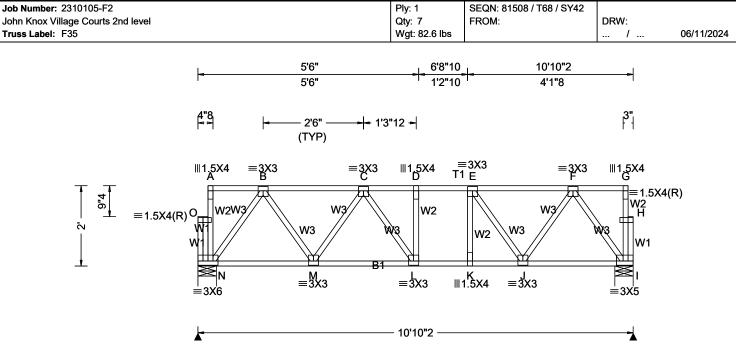
Webs	Tens.Comp.		Webs	Tens. (Comp.
A - Q	0	- 58	M - F	43	- 84
Q-B	0	- 431	F-L	0	- 228
B - P	293	- 20	L-G	326	0
P-C	0	- 534	G-K	0	- 686
C-O	415	0	K - H	725	0
O - D	0	- 624	I - J	11	0
D - N	175	0	I - H	0	- 53
E - M	12	- 51	H - I	12	- 695

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Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)		▲ Maximum Reactions (lbs) Gravity Non-Gravity
TCLL: 55.00 Wind Std: NA TCDL: 20.00 Speed: NA mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.037 D 999 480	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00 Enclosure: NA Category: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(TL): 0.068 D 999 360 HORZ(LL): 0.011 B	N 597 /- /- /- /- /- /-
Des Ld: 85.00 Kean Height: NA ft TCDL: NA psf Soffit: 0.00 RCDL: NA psf	Code / Misc Criteria Bldq Code: IBC 2018	HORZ(TL): 0.020 B Creep Factor: 2.0 Max TC CSI: 0.397	N Brg Wid = 5.5 Min Req = 1.5 I Brg Wid = 5.5 Min Req = 1.5 Bearings N & I are a rigid surface.
Load Duration: 1.00 BCDL: NA psf MWFRS Parallel Dis Spacing: 16.0 C&C Dist a: NA ft	TDI C+d+ 2014	Max BC CSI: 0.435 Max Web CSI: 0.184	Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
Loc. from endwall: N I: NA GCpi: NA Wind Duration: NA	A FT/RT:12(0)/10(0) Plate Type(s): WAVE	Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	A-B 3 0 D-E 0 -791 B-C 0 -588 E-F 0 -587 C-D 0 -790 F-G 1 0

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
N - M	376	0	K-J	790	0	
M - L	769	0	J - I	373	0	
L-K	791	0				

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.		vvebs	rens. (omp.
O - N	4	-72	K-E	110	- 33
A - O	0	- 36	E - J	0	- 365
N - B	0	- 657	J - F	387	0
B - M	382	0	F-I	0	-650
M - C	0	- 326	G-H	0	- 38
C-L	173	- 66	I - H	0	- 12
L - D	3	- 85	H - I	0	- 43

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

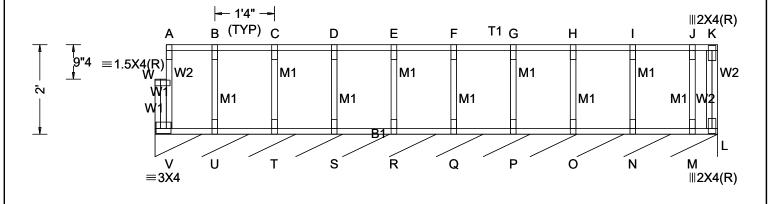
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Job Number: 2310105-F2 Ply: 1 SEQN: 81509 / T27 / SY42 John Knox Village Courts 2nd level FROM: DRW: Qty: 1 Truss Label: FGE1 Wgt: 78.4 lbs 1 ... 06/11/2024





12'6"12

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)				ctions	(lbs), or *:		
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		Gravity			lon-Gravi	,
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.000 I 999 480	Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.000 I 999 360	L* 111	/-	/-	/-	/-	/-
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.004 K	L Brg	Wid = 15	0 Mir	n Req = -		
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.006 K	Bearing	V is a rigi	d surfa	ce.		
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0	Maximu	m Top C	hord F	orces Per	Ply (lbs)
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.081	Chords	Tens.Co	mp.	Chords	Tens.	Comp.
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.013	A - B	1	0	F-G	1	0
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.033	B-C	1	ŏ	G-H	1	Ŏ
-	Loc. from endwall: NA	FT/RT:20(0)/10(0)	Mfg Specified Camber:	C-D	1	Ō	H-I	1	Ö
	I: NA GCpi: NA	Plate Type(s):		D-E	1	0	I - J	1	0

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 1.5X4 except as noted.

Additional Notes

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Tens.Comp.		Chords	Tens. Comp.		
0	- 1	Q-P	0	-1	
0	- 1	P-0	0	- 1	
0	- 1	O - N	0	- 1	
0	- 1	N - M	0	- 1	
0	- 1	M - L	0	- 1	
	0 0 0 0	0 -1 0 -1 0 -1 0 -1	0 -1 Q-P 0 -1 P-O 0 -1 O-N 0 -1 N-M	0 -1 Q-P 0 0 -1 P-O 0 0 -1 O-N 0 0 -1 N-M 0	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. C	Comp.
W - V	4	- 51	L-K	0	- 16
A - W	0	- 38	K-L	1	0

Maximum Gable Forces Per Ply (lbs)

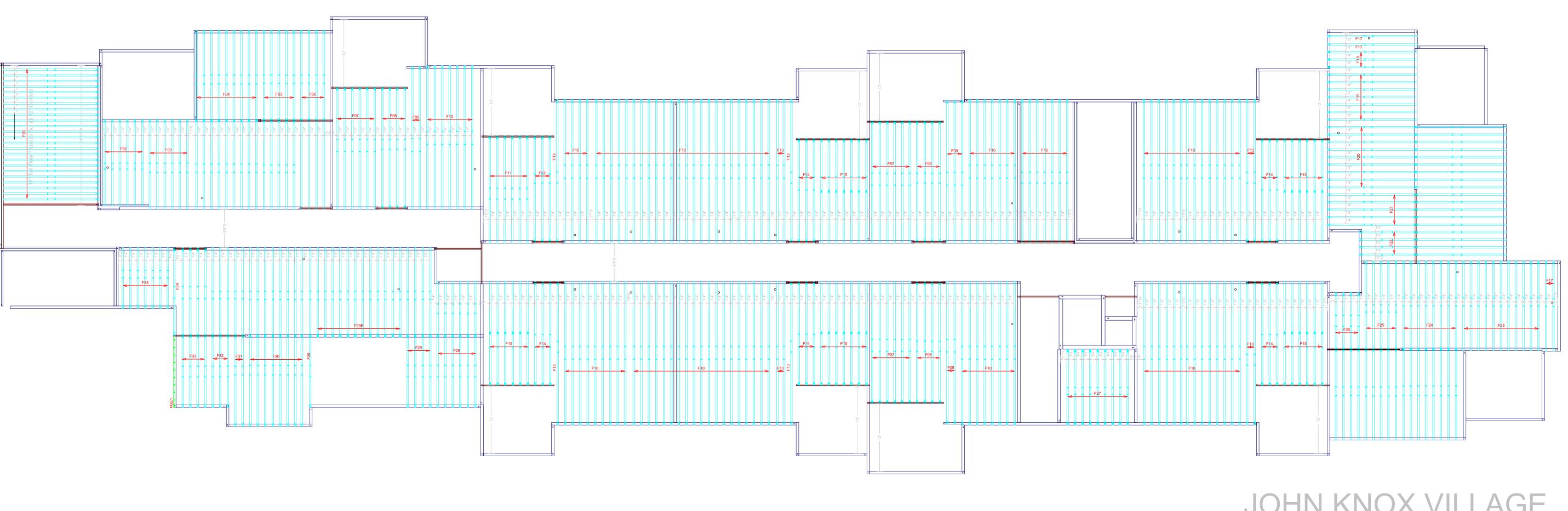
Gables	Tens.Comp.		Gables	Tens. Comp.	
B - U	0	- 130	G-P	0	- 134
C-T	0	- 135	H - O	0	- 132
D-S	0	- 133	I - N	0	- 140
E-R	0	- 133	J - M	0	- 106
F-Q	Ô	- 133			

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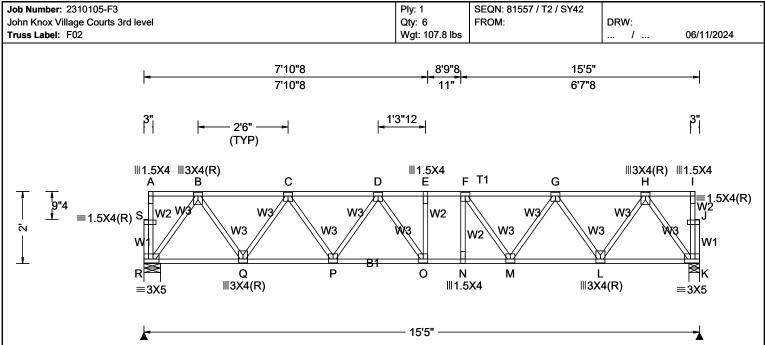
JOHN KNOX VILLAGE 3rd LEVEL FLOOR TRUSS LAYOUT

: Preserving Properties
: John Knox Village Courts
: 2310105-F3
: Lon E Ellenburg
: 1001 NW Chipman
: JEB

JOB NO:

2310105-F

PAGE NO: 1 OF 1



	<u> </u>		15'5" —		
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.089 E 999 480 VERT(TL): 0.125 O 999 360 HORZ(LL): 0.019 B HORZ(TL): 0.030 B Creep Factor: 2.0 Max TC CSI: 0.333 Max BC CSI: 0.584 Max Web CSI: 0.336 Mfg Specified Camber:	R 861 /- /- K 861 /- /- R Brg Wid = 5.5 Min K Brg Wid = 3.5 Min Bearings R & K are a rigid Maximum Top Chord For Chords Tens.Comp. A - B 1 0 B - C 0 - 951	Non-Gravity
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	C-D 0-1512	G-H 0 -952 H-I 1 0

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

A-B	1 0	E-F	-	- 1695
B-C	0 -951	F-G		- 1511
C-D	0 - 1512	G-H	1	- 952
D-E	0 - 1694	H-I		0
				-

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
R-Q	559	0	N - M	1694	0
Q-P	1320	0	M - L	1318	0
P-0	1678	0	L-K	560	0
O - N	1695	0			

Maximum Web Forces Per Ply (lbs)

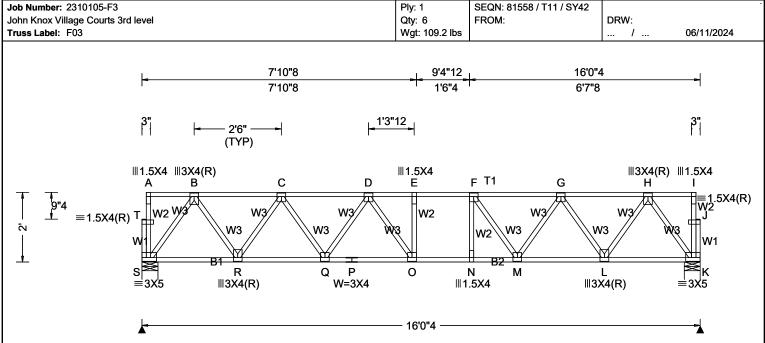
Webs	Tens.Comp.		Webs	Tens. (Comp.
S-R	0	- 59	N - F	138	- 71
A - S	0	- 38	F-M	0	- 397
R-B	0	- 976	M - G	372	0
B - Q	707	0	G-L	0	- 659
Q-C	0	- 664	L-H	706	0
C-P	347	0	H - K	0	-977
P-D	0	- 299	I - J	0	- 39
D - O	229	- 147	K-J	0	- 12
0 - E	45	- 100	J - K	0	- 48

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	•				_
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.110 E 999 480 VERT(TL): 0.182 E 999 360 HORZ(LL): 0.024 B HORZ(TL): 0.043 B Creep Factor: 2.0 Max TC CSI: 0.466 Max BC CSI: 0.768 Max Web CSI: 0.356 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	K 895 /- /- S Brg Wid = 5.5 Min I K Brg Wid = 5.5 Min I Bearings S & K are a rigid Maximum Top Chord For Chords Tens.Comp. A - B 1 0 B - C 0 -998 C - D 0 -1606	Non-Gravity
Lumber				D-E 0-1824	H-I 1 0

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

D-E 0 - 1824Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
S-R	583	0	O - N	1826	0
R-Q	1390	0	N - M	1824	0
Q-P	1792	0	M - L	1385	0
P-0	1792	0	L-K	585	0

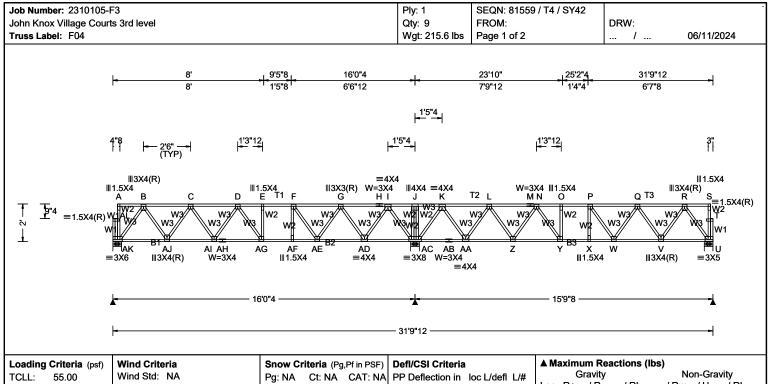
Maximum Web Forces Per Ply (lbs) Tens.Comp. Tens. Comp. T-S 0 - 58 N-F 168 -61 A - T F-M 0 - 38 n -482 S-B 0 - 1017 M - G 424 0 B - R 747 0 - 697 0 G-L R-C 0 -707 L-H 745 0 390 0 - 1020 C-Q 0 H - K Q-D 0 -334 I - J 0 - 39 D - O 285 - 133 0 - 12 K-J 24 - 151 -49

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dura	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft

Loc. from endwall: NA I: NA GCpi: NA

Wind Duration: NA

Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

VERT(LL): 0.119 E 999 480 VERT(TL): 0.188 AG 999 360 HORZ(LL): 0.028 B HORZ(TL): 0.046 B Creep Factor: 2.0 Max TC CSI: 0.638 Max BC CSI: 0.851 Max Web CSI: 0.417 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

			Gravity			Non-Gravity			
	Loc	R+	/ R-	/ Rh	/ R	w /U	/ RL		
0	AK	850	/-	/-	/-	/-	<i>I</i> -		
	AC	2013	3 /-	/-	/-	/-	/-		
	U	823	/-	/-	/-	/-	/-		
	ΑK	Brg	Wid = 5	5.5 Mi	n Req =	1.5			
	AC	Brg	Wid = 5	5.5 Mi	n Req =	1.5			
	U	Brg	Wid = 5	5.5 Mi	n Req =	1.5			
	Bea	rings	AK, A	C, & U a	re a rigid	surface.			
	Maximum Top Chord Forces Per Ply (lbs)								
	Cho	ords	Tens.C	omp.	Chord	s Tens.	Comp.		
	A - I	ь	3	0	J-K	1035			
			-	•	-		-		
	B - (C	0	- 896	K-L	154	- 466		
	_	n	^	4 4 4 E	1 14		1160		

A - B	3 0	J-K	1035	0
B - C	0 -896	K-L	154	- 466
C - D	0 - 1415	L - M	0	- 1160
D-E	0 - 1505	M - N	0	- 1160
E-F	0 - 1505	N - O	0	- 1501
F-G	0 - 1215	O - P	0	- 1505
G - H	225 - 515	P-Q	0	- 1373
H - I	225 - 515	Q-R	0	- 883
I - J	1035 0	R-S	1	0

Webs 4x2 SP #3 **Plating Notes**

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
AK-AJ	530	0	AC-AB	12	- 392
AJ-AI	1242	0	AB-AA	12	- 392
Al-AH	1546	0	AA- Z	903	0
AH-AG	1546	0	Z - Y	1396	0
AG-AF	1505	0	Y - X	1505	0
AF-AE	1501	0	X - W	1505	0
AE-AD	944	- 45	W - V	1217	0
AD-AC	65	- 437	V - U	523	0

Maximum Web Forces Per Ply (lbs)

				•	
Webs	Tens.Comp.		Webs	Tens.	Comp.
AL-AK	4	- 73	AC- K	0	- 1149
A -AL	0	- 37	K-AA	875	0
AK- B	0	- 930	AA- L	0	-842
3 -AJ	660	0	L-Z	516	0
AJ- C	0	- 624	Z - N	0	-489
C -AI	311	0	N - Y	418	0
۹I- D	11	- 237	Y-0	0	- 208
D-AG	132	- 292	X - P	89	- 133
AG-E	101	- 76	P - W	32	- 307
۹F- F	238	0	W - Q	297	0

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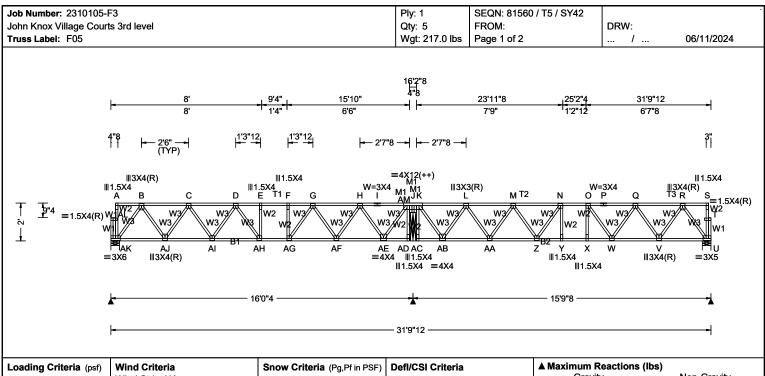
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs

Job Number: 2310105-F3	Ply: 1	SEQN: 81559) / T4 / SY42				
John Knox Village Courts 3rd level	Qty: 9	FROM:		DRW:			
Truss Label: F04	Wgt: 215.6 lbs	Page 2 of 2			/	06/11/20	
			F-AE	0 -628	Q - V	0	- 603
			AE- G 55	7 0 0 -829	V - R R - U	648 0	0 - 915
			AD- I 86	7 0	R - U S - T	0	- 41
			I-AC	0 - 1158	U - T	0	- 12
			J -AC	0 - 148	T - U	0	- 50

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL	: 0.00
Soffit:	0.00
Load Du	ration: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft

Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria
Bldg Code: IBC 2018
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.106 E 999 480 VERT(TL): 0.170 E 999 360 HORZ(LL): 0.023 B HORZ(TL): 0.040 AB Creep Factor: 2.0 Max TC CSI: 0.564 Max BC CSI: 0.812 Max Web CSI: 0.449 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Gravity			No	on-Gra	avity	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
	916		/-	/-	/-	/-
AM	1806	3 /-	/-	/-	/-	/-
U	895	/-	/-	/-	/-	/-
ΑK	Brg	Wid = 5	.5 Min	Req = 1.5	5	
AM	Brg	Wid = 3	.5 Min	Req = 1.5	5	
U	Brg	Wid = 5	.5 Min	Req = 1.5	5	
Bea	rings	SAK, AN	/I, & U are	a rigid su	ırface.	
Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds	Tens.C	omp.	Chords	Tens	. Comp.

Chords	Tens.Comp.	Chords	Tens. Comp.
J - L	0 - 561	I - J	0 - 569
4 - B	3 0	L - M	0 - 1341
3 - C	0 -986	M - N	0 - 1721
C - D	0 - 1586	N - O	0 - 1781
D - E	0 - 1796	0 - P	0 - 1567
Ē - F	0 - 1797	P-Q	0 - 1567
- G	0 - 1791	Q-R	0 - 980
G - H	0 - 1347	R-S	1 0
H - I	0 - 569		

Rt Bearing Leg: 4x2 SP #3; **Plating Notes**

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Co	omp.
AK-AJ	576	0	AB-AA	1042	0
AJ-AI	1374	0	AA-Z	1620	0
Al-AH	1767	0	Z - Y	1783	0
AH-AG	1797	0	Y - X	1781	0
AG-AF	1625	0	X - W	1778	0
AF-AE	1055	0	W - V	1359	0
AE-AD	11	- 15	V - U	575	0
AC-AB	11	- 15			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
AL-AK	4	- 73	AM-AD	8	0
A -AL	0	- 38	AM- K	0	- 1053
AK- B	0	- 1010	AM-AC	7	0
B -AJ	740	0	AB- L	0	- 867
AJ- C	0	- 699	L -AA	554	0
C -AI	382	0	AA- M	0	- 515
Al- D	0	- 327	M - Z	266	0
D -AH	266	- 145	Z - N	71	- 276
AH- E	55	- 157	N - Y	105	- 173
F -AG	0	- 256	X - O	202	-77

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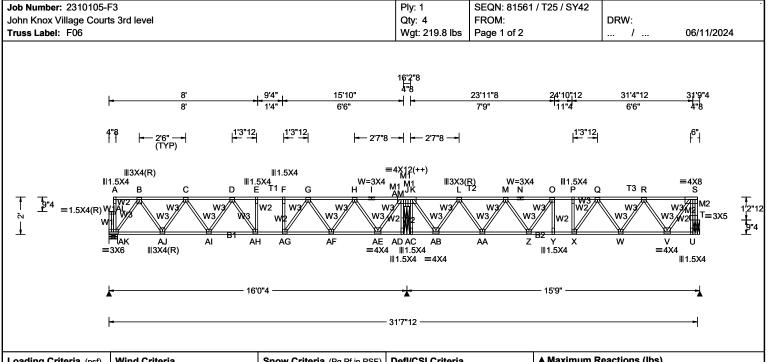
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs

Job Number: 2310105-F3	Ply: 1	SEQN: 8156	0 / T5 / SY	42				
John Knox Village Courts 3rd level	Qty: 5	FROM:			DRW:			
Truss Label: F05	Wgt: 217.0 lbs	Page 2 of 2				/	06/11/20	24
	1 -		AG- G	449	0	O - W	0	
			G -AF		- 516	W - Q	396	0
			AF- H	542		Q - V	0	- 683
			H -AE	0	- 877	V - R	731	0
			AE- J	943		R - U	0	
			K -AM	8		S - T	0	- 39
			K -AB	931		U - T	0	- 12
			J -AM	9	- 1050	T - U	0	- 49

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Loading	Criteria (pst)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL	: 0.00
Soffit:	0.00
Load Dui	ration: 1.00
Spacing:	16.0 "

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.106 E 999 480 VERT(TL): 0.170 E 999 360 HORZ(LL): 0.023 B HORZ(TL): 0.039 AB Creep Factor: 2.0 Max TC CSI: 0.560 Max BC CSI: 0.680 Max Web CSI: 0.478 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs)						
G	ravity	Non-Gravity				
Loc R+	/ R-	/ Rh	/Rw	/ U	/RL	
AK 916	/-	/-	/-	/-	/-	
AM 1798	/-	/-	/-	/-	/-	
T 883	/-	/-	/-	/-	/-	
AK Brg V	Vid = 5.5	Min Re	q = 1.5	5		
AM Bra W	/id = 3 5	Min Re	$\alpha = 15$			

AM Brg Wid = 3.5 Min Req = 1.5Brg Wid = 4.5 Min Req = 1.5 Bearings AK, AM, & T are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - L	0 - 556	I - J	0 - 569
A - B	3 0	L - M	0 - 1327
B - C	0 - 986	M - N	0 - 1697
C - D	0 - 1586	N - O	0 - 1697
D-E	0 - 1796	0 - P	0 - 1754
E-F	0 - 1797	P-Q	0 - 1750
F-G	0 - 1791	Q-R	0 - 1343
G - H	0 - 1348	R-S	0 -593
H - I	0 - 569		

Lumber Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Co	omp.
AK-AJ	576	0	AB-AA	1032	0
AJ-AI	1374	0	AA-Z	1600	0
Al-AH	1768	0	Z - Y	1756	0
AH-AG	1797	0	Y - X	1754	0
AG-AF	1625	0	X - W	1605	0
AF-AE	1055	0	W - V	1068	0
AE-AD	11	- 15	V - U	48	0
AC-AB	11	- 15			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AL-AK	4	- 73	AM-AD	8	0
A -AL	0	- 38	AM- K	0	- 1047
AK- B	0	- 1010	AM-AC	7	0
B -AJ	740	0	AB- L	0	- 859
AJ- C	0	- 699	L -AA	545	0
C -AI	382	0	AA- M	0	- 507
Al- D	0	- 327	M - Z	258	0
D -AH	266	- 145	Z - O	66	- 254
AH- E	55	- 157	0 - Y	73	- 146
F -AG	0	- 256	P-X	0	- 177

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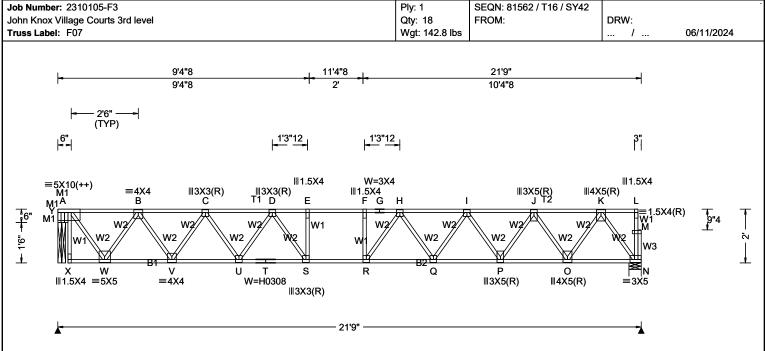
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Job Number: 2310105-F3	Ply: 1	SEQN: 81561	/ T25 / SY	Y42				
John Knox Village Courts 3rd level	Qty: 4	FROM:			DRW:			
Truss Label: F06	Wgt: 219.8 lbs	Page 2 of 2				/	06/11/20	24
			AG- G	449	0	X - Q	392	C
			G -AF	0	- 516	Q - W	0	- 471
			AF- H	542	0	W - R	496	C
			H -AE	0	- 877	R - V	0	- 856
			AE- J	944	0	V - S	922	(
			K -AM	8	0	T - U	8	C
			K -AB	922		T - S	14	- 37
			J -AM	9	- 1047	S - T	9	- 878

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A	219			*	
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00	Wind Criteria Wind Std: NA Speed: NA mph	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.281 F 912 480	▲ Maximum Reactions (It Gravity Loc R+ /R- /Rh	os) Non-Gravity / Rw / U / R
BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00	Enclosure: NA Category: NA EXP: NA Mean Height: NA ft	Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria	VERT(TL): 0.419 R 611 360 HORZ(LL): 0.057 N HORZ(TL): 0.088 N Creep Factor: 2.0	N 1220 /- /- Y Brg Wid = 3.5 Min F	/- /- /- /- /- /- Req = 1.5 Req = 1.5
Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft	Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes	Max TC CSI: 0.864 Max BC CSI: 0.880 Max Web CSI: 0.872	Bearings Y & N are a rigid Maximum Top Chord For Chords Tens.Comp.	
	Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	FT/RT:12(0)/10(0) Plate Type(s): WAVE, HS	Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	B-C 0-2121 H	G-H 0 -3 H-I 0 -3 -J 0 -2

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

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

Max JT VERT DEFL: LL: 0.28" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

	_	Idvity			JII- OI 4	ivity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Υ	1228	/-	/-	/-	/-	/-
	1220		/-	/-	/-	/-
Υ	Brg V	Vid = 3.	5 Min F	Req = 1.5	5	
N			5 Min F			
Bea	arings `	Y & N a	re a rigid	surface.		
ı						

r Ply (lbs)

Cnoras	rens.Comp.	Cnoras	rens. Comp.	
A - B	0 -883	G-H	0 -3416	
B - C	0 -2121	H - I	0 - 3141	
C - D	0 - 2911	I - J	0 -2480	
D-E	0 - 3412	J-K	0 - 1441	
E-F	0 - 3419	K-L	1 0	
F-G	0 - 3416			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
X - W	47	0	S-R	3419	0
W - V	1625	0	R-Q	3354	0
V - U	2593	0	Q-P	2895	0
U - T	3217	0	P-0	2046	0
T-S	3217	0	O - N	811	0

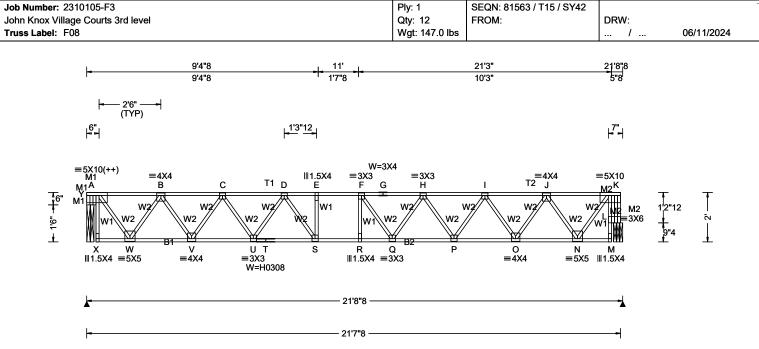
Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - Y	9	- 443	R-H	453	- 195
A - W	1414	0	H-Q	0	-409
Y - A	0	- 988	Q-I	444	0
Y - X	8	0	I-P	0	- 749
W - B	0	- 1338	P-J	782	0
B - V	894	0	J - O	0	- 1090
V - C	0	- 850	0 - K	1136	0
C - U	574	0	K - N	0	- 1415
U - D	0	- 551	L - M	0	- 37
D - S	623	- 28	N - M	0	- 12
S-E	0	- 363	M - N	0	- 47
F-R	68	- 271			

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.284 F 897 480 VERT(TL): 0.437 F 583 360 HORZ(LL): 0.055 M HORZ(TL): 0.085 M Creep Factor: 2.0 Max TC CSI: 0.860 Max BC CSI: 0.904 Max Web CSI: 0.963 Mfg Specified Camber:	Gravity Loc R+ /R- /Rh Y 1220 /- /- L 1220 /- /- Y Brg Wid = 3.5 Min R L Brg Wid = 4.5 Min R Bearings Y & L are a rigid s Maximum Top Chord Ford Chords Tens.Comp. C A - B 0 -877 R B - C 0 -2106 C	Non-Gravity
Lumber	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10		-I - I 0 - 2895 - J 0 - 2099

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3(R) except as noted.

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

Max JT VERT DEFL: LL: 0.28" DL: 0.19". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Cnoras	rens.Comp.	Cnoras	rens. Comp.
A - B	0 -877	F-G	0 - 3315
B - C	0 -2106	G-H	0 - 3315
C - D	0 - 2885	H - I	0 - 2895
D-E	0 - 3377	I - J	0 - 2099
E-F	0 - 3383	J-K	0 -895

Maximum Bot Chord Forces Per Ply (lbs)

Chorus	Tells.Co	ilip.	Cilolus	Tells. Co	onip.
X - W	46	0	R-Q	3386	0
W - V	1615	0	Q-P	3198	0
V - U	2572	0	P-0	2573	0
U - T	3190	0	O - N	1602	0
T-S	3190	0	N - M	97	0
S-R	3383	0			

Maximum Web Forces Per Ply (lbs)

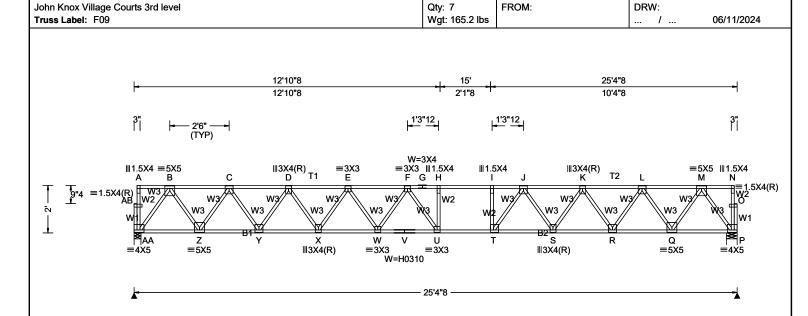
Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - Y	9	- 441	F-Q	157	- 396
A - W	1405	0	Q-H	364	0
Y - A	0	- 983	H - P	0	- 546
Y - X	8	0	P-I	582	0
W - B	0	- 1330	1-0	0	- 854
B - V	886	0	O - J	895	0
V - C	0	- 840	J - N	0	- 1275
C - U	565	0	N - K	1350	0
U - D	0	- 549	L - M	8	0
D-S	586	- 36	L-K	0	- 128
S-E	0	- 296	K-L	9	- 1112
R-F	125	- 201			

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Ply: 1

SEQN: 81564 / T1 / SY42

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reacti	ons (lbs)
TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	,	PP Deflection in loc L/defl L/# VERT(LL): 0.437 H 686 480 VERT(TL): 0.637 U 471 360 HORZ(LL): 0.079 B HORZ(TL): 0.122 B Creep Factor: 2.0 Max TC CSI: 0.695 Max BC CSI: 0.945 Max Web CSI: 0.658 Mfg Specified Camber:	Gravity Loc R+ /R- AA 1425 /- P 1425 /- AA Brg Wid = 3.5 P Brg Wid = 5.5 Bearings AA & P are Maximum Top Cho Chords Tens.Comp	/ Rh / /- /- /- /- Min Req Min Req e a rigid sur ord Forces p. Chor 0 H - I
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10	C - D 0 - 303	-
Lumber				D-E 0-396	55 K-L

Value Set: NDS 2015

Job Number: 2310105-F3

Top chord 4x2 SP #2 T2 4x2 SP 2400f-2.0E; Bot chord 4x2 SP #1 B2 4x2 SP 2400f-2.0E; Webs 4x2 SP #3

Plating Notes

All plates are 4X4 except as noted.

Max JT VERT DEFL: LL: 0.44" DL: 0.31". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

	-	avity		140		ity	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
AA	1425	/-	/-	/-	/-	/-	
Р	1425	/-	/-	/-	/-	/-	
AA	Brg W	/id = 3.5	Min Re	q = 1.5	;		
Р	Brg W	/id = 5.5	Min Re	q = 1.5	;		
Bea	rings A	AA&Pa	re a rigid :	surface			
Max	Maximum Top Chord Forces Per Ply (lbs)						
Cha	rde T	one Con	an Ch	orde	Tone	Comp	

Non-Gravity

.ompز Chords Tens. Comp. 0 -4646 - 1721 0 -4635 I - J -3034 J - K 0 - 3953 - 3965 K-L 0 - 3037 E-F 0 - 4531 L - M 0 - 1720 F-G 0 - 4646 M - N G-H 0 - 4646

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Co	mp.	Chords	Tens. Co	omp.		
AA- Z	954	0	U-T	4646	0		
Z - Y	2464	0	T - S	4327	0		
Y - X	3582	0	S-R	3583	0		
X - W	4332	0	R-Q	2463	0		
W - V	4680	0	Q-P	954	0		
V - U	4680	0					

AA- Z	954	0	U-T	4646	0
Z - Y	2464	0	T-S	4327	0
Y - X	3582	0	S-R	3583	0
X - W	4332	0	R-Q	2463	0
W - V	4680	0	Q-P	954	0
V - U	4680	0			

Maximum Web Forces Per Ply (lbs)

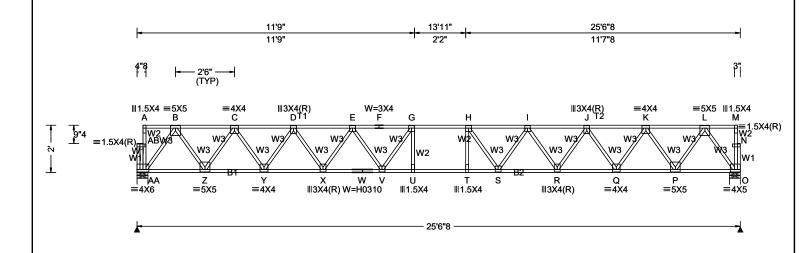
Webs	Tens.C	comp.	Webs	Tens.	Comp.
AB-AA	0	- 59	I-T	0	- 486
A -AB	0	- 37	T - J	849	0
AA- B	0	- 1665	J-S	0	-675
B - Z	1382	0	S - K	666	0
Z - C	0	- 1338	K-R	0	- 985
C - Y	1029	0	R-L	1035	0
Y - D	0	- 988	L-Q	0	- 1339
D - X	690	0	Q - M	1381	0
X - E	0	- 661	M - P	0	- 1664
E-W	390	0	N - O	0	- 38
W-F	0	- 382	P-0	0	- 12
F - U	410	- 390	0 - P	0	- 47
U - H	170	- 249			

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Job Number: 2310105-F3 Ply: 1 SEQN: 81565 / T29 / SY42 John Knox Village Courts 3rd level FROM: DRW: Qty: 110 Truss Label: F10 Wgt: 168.0 lbs 1 ... 06/11/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.363 U 828 480	Loc R+ /R- /Rh /
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.526 G 571 360	AA 1429 /- /- /-
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.065 B	O 1428 /- /- /-
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.100 B	AA Brg Wid = 5.5 Min Req
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0	O Brg Wid = 5.5 Min Req
Soffit: 0.00	TCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.855	Bearings AA & O are a rigid su
Load Duration: 1.00	BCDL: NA psf MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.719	Maximum Top Chord Forces
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.660	Chords Tens.Comp. Chord
opaoing. 10.0	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:	A-B 3 0 G-F
	I: NA GCpi: NA	Plate Type(s):	g -p	B-C 0-1724 H-I
	Wind Duration: NA	WAVE. HS	VIEW Ver: 23.02.04A.0207.10	C-D 0-3040 I-J
	Willia Dalation, NA	WAVE, NO	VILVV VGI. 20.02.04A.0207.10	D-E 0-3976 I-K

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #2 T2 4x2 SP 2400f-2.0E; Bot chord 4x2 SP 2400f-2.0E Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Max JT VERT DEFL: LL: 0.36" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AA	1429	/-	/-	/-	/-	/-
0	1428	/-	/-	/-	/-	/-
AA	Brg V	Vid = 5.	5 Mir	Reg = 1.	5	
0	Brg V	Vid = 5.	5 Mir	n Req = 1.	5	
Bea	rings /	AA & O	are a ri	gid surface	Э.	
	imum	Top C	hord F	orces Per	Plv (lb:	s)
Max		-		orces Per Chords	• .	•
Max	rds 7	-			• .	•
Max Cho	rds 7 3	ens.Co	omp.	Chords	Tens.	Comp4713
Max Cho A - E	rds 7 3 C	ens.Co 3 0 -	omp. 0	Chords G - H	Tens.	Comp. - 4713 - 4535

Non-Gravity

- 1724

Maximum Bot Chord Forces Per Ply (lbs)

0 - 4534

0 - 4534

E-F

F-G

Chords	rens.co	mp.	Chords	rens. Co	omp.
AA- Z	956	0	U - T	4713	0
Z - Y	2468	0	T - S	4712	0
Y - X	3591	0	S-R	4339	0
X - W	4339	0	R-Q	3590	0
W - V	4339	0	Q-P	2468	0
V - U	4712	0	P-0	955	0

L - M

Maximum Web Forces Per Ply (lbs)

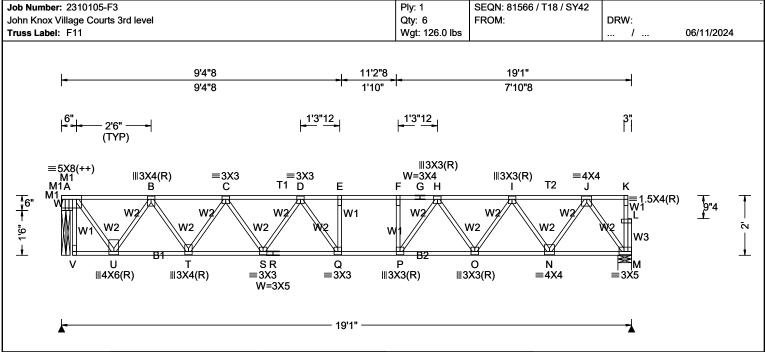
Webs	Tens.C	comp.	Webs	Tens.	Comp.
AB-AA	4	- 73	H-S	108	- 641
A -AB	0	- 37	S-I	518	0
AA- B	0	- 1667	I-R	0	- 655
B - Z	1385	0	R-J	695	0
Z - C	0	- 1341	J - Q	0	- 993
C - Y	1032	0	Q-K	1031	0
Y - D	0	- 993	K-P	0	- 1341
D - X	695	0	P-L	1385	0
X - E	0	- 654	L-O	0	- 1667
E-V	515	0	M - N	0	- 38
V - G	105	-638	O - N	0	- 12
G-U	262	- 218	N - O	0	- 48
T - H	262	- 218			

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	 us)
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft	, -	PP Deflection in loc L/defl L/# VERT(LL): 0.198 E 999 480 VERT(TL): 0.309 Q 727 360 HORZ(LL): 0.045 A HORZ(TL): 0.069 A Creep Factor: 2.0 Max TC CSI: 0.765 Max BC CSI: 0.733 Max Web CSI: 0.777	Gravity Loc R+ / R- / Rh W 1076 /- /- M 1069 /- /- W Brg Wid = 3.5 Min R M Brg Wid = 5.5 Min R Bearings W & M are a rigid Maximum Top Chord Fore	Non-Gravity / Rw / U / RL /- /- /- /
	Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	FT/RT:12(0)/10(0) Plate Type(s): WAVE	Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	B - C 0 - 1791 G C - D 0 - 2393 H	F - G 0 - 259 G - H 0 - 259 H - I 0 - 206
Lumber		•		D-E 0-2604 I	- J 0 - 123

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 1.5X4 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

w	1076	/-	/-	/-	/-	/-
М	1069	/-	/-	/-	/-	/-
W	Brg V	Vid = 3	.5 N	/lin Req =	1.5	
М	Brg V	Vid = 5	.5 N	/lin Req =	1.5	
Bea	rings \	₩ & W	are a	rigid surfa	ce.	
Max	kimum	Top (Chord	Forces P	er Ply (lb	s)
Cho	ords T	ens.C	omp.	Chords	Tens.	Comp.
A -	В	0	- 761	F-G	0	- 2598
В-	С	0 -	1791	G-H	0	- 2598
C-	D	0 -	2393	H - I	0	- 2064
D-	E	0 -	2604	I - J	0	- 1237
F - I	F	0 -	2606	J - K	1	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	hords Tens.Comp.		Chords	Tens. Co	omp.
V - U	42	0	Q-P	2606	0
U - T	1396	0	P-0	2380	0
T - S	2167	0	O - N	1741	0
S-R	2583	0	N - M	705	0
R-Q	2583	0			

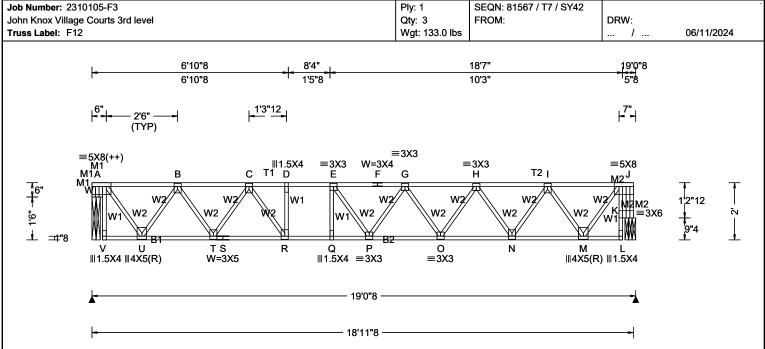
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
A - W	8	- 385	F-P	0	- 343
A - U	1217	0	P-H	592	0
W - A	0	- 871	H - O	0	- 569
W - V	7	0	0-1	583	0
U - B	0	- 1144	I - N	0	- 909
B - T	712	0	N - J	959	0
T - C	0	- 678	J - M	0	- 1229
C-S	408	0	K-L	0	- 38
S - D	0	- 341	M - L	0	- 12
D - Q	343	- 199	L - M	0	- 47
Q-E	75	- 208			

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F		10110		7
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria	Maximum Reactions (lbs) Gravity Non-Gravity
Lumber		•		D-E 0-2490 I-J 0-771

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 B2 4x2 SP #1;

Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X4(R) except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Ciloius	rens.comp.	Cilolus	rens. Comp.
A - B	0 - 762	F-G	0 - 2581
B - C	0 - 1760	G-H	0 -2368
C-D	0 - 2480	H - I	0 - 1772
D-E	0 - 2490	I - J	0 -771
E-F	0 - 2581		

Maximum Bot Chord Forces Per Ply (lbs)

Cilolus	rens.comp.		Cilolus	rens. Comp.	
V - U	44	0	Q-P	2497	0
U - T	1385	0	P-0	2577	0
T-S	2147	0	O - N	2144	0
S-R	2147	0	N - M	1375	0
R-Q	2490	0	M - L	86	0

Maximum Web Forces Per Ply (lbs)

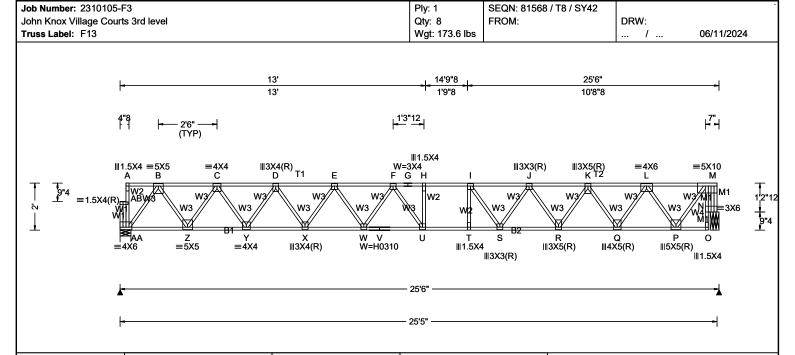
Webs	Tens.Comp.		Webs	Tens.	Comp.
A - W	8	- 364	P-G	191	- 114
A - U	1213	0	G-0	0	- 377
W - A	0	- 883	O - H	406	0
W - V	7	0	H - N	0	-671
U-B	0	- 1125	N - I	714	0
B - T	675	0	I - M	0	- 1090
T - C	0	- 698	M - J	1158	0
C-R	720	0	K-L	8	0
R-D	0	- 342	K - J	0	- 104
Q-E	17	- 287	J - K	9	-982
E-P	320	- 159			

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.437 H 684 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.675 H 443 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.079 B
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.121 B
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.923
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.871
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.769
- g	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

Value Set: NDS 2015

Top chord 4x2 SP #2 T2 4x2 SP #1; Bot chord 4x2 SP #1 B2 4x2 SP 2400f-2.0E; Webs 4x2 SP #3 W4 4x2 SP #2; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.44" DL: 0.29". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Δ	Maximum	Reactions	(lbs)
	Grav	/itv	

Non-Gravity Loc R+ /Rw /U / RL /R AA 1422 /-/-/-Ν 1428 /-/_ AA Brg Wid = 5.5 Min Req = 1.5 N Brg Wid = 4.5 Min Req = 1.5 Bearings AA & N are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	3 0	G-H	0 -4631
B - C	0 - 1714	H - I	0 -4632
C - D	0 - 3021	I - J	0 -4326
D-E	0 - 3946	J-K	0 - 3619
E-F	0 -4503	K-L	0 - 2549
F-G	0 -4631	L - M	0 - 1065

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.Comp.		Choras	rens. Co	omp.
AA- Z	951	0	U - T	4632	0
Z - Y	2454	0	T - S	4627	0
Y - X	3566	0	S-R	4049	0
X - W	4309	0	R-Q	3163	0
W - V	4652	0	Q-P	1914	0
V - U	4652	0	P-0	110	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AB-AA	4	- 73	T - I	326	- 113
A -AB	0	- 37	I-S	0	-773
AA- B	0	- 1659	S-J	613	0
B - Z	1377	0	J-R	0	-774
Z - C	0	- 1333	R-K	822	0
C - Y	1023	0	K-Q	0	- 1107
Y - D	0	- 982	Q-L	1145	0
D - X	685	0	L-P	0	- 1532
X - E	0	- 654	P - M	1615	0
E-W	384	0	N - O	8	0
W-F	0	- 386	N - M	0	- 168
F-U	395	- 360	M - N	9	- 1284
U - H	101	- 202			

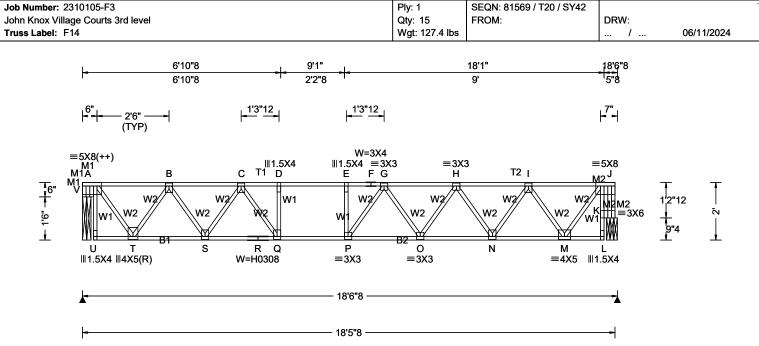
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



 		18'5"8 —		=	
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 TCLL: TCLL:	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.233 E 931 480 VERT(TL): 0.381 P 569 360 HORZ(LL): 0.056 L HORZ(TL): 0.085 L Creep Factor: 2.0 Max TC CSI: 0.764 Max BC CSI: 0.882 Max Web CSI: 0.841 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	K 1041 /- /- V Brg Wid = 3.5 Min F K Brg Wid = 4.5 Min F Bearings V & K are a rigid Maximum Top Chord For Chords Tens.Comp. (A - B 0 - 737 F B - C 0 - 1700 (Non-Gravity / Rw / U / RL /-
Lumber				TD-E 0-2396 I E-F 0-2396	- J 0 - 748

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X4(R) except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. U - T P - 0 2430 T-S 1344 0 O - N 2071

0 N - M S-R 2061 n 1331 0 R-Q 2061 0 M - L 85 0 Q-P 2396

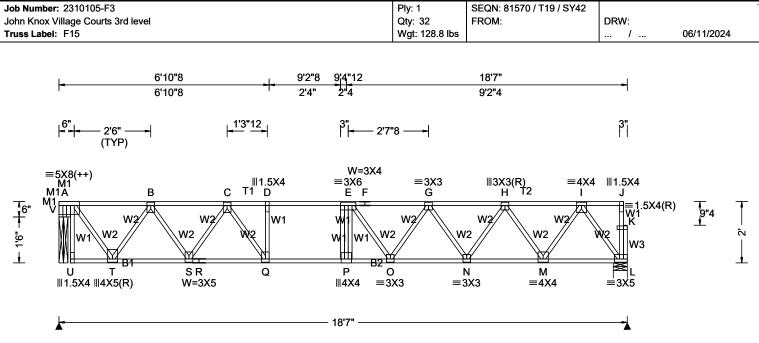
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp	
A - V	9	- 374	P-G	281	- 262
A - T	1179	0	G-0	0	- 296
V - A	0	- 840	O - H	370	0
V - U	8	0	H - N	0	-653
T-B	0	- 1095	N - I	680	0
B - S	641	0	I - M	0	- 1051
S-C	0	- 650	M - J	1122	0
C - Q	739	0	K-L	6	0
Q - D	0	- 435	K-J	0	- 99
E-P	101	- 182	J - K	8	- 959

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<u> </u>		18'7" 			
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014		9	Non-Gravity / Rw / U / RL /- /- /- /- /- /- /- 1 Req = 1.5 1 Req = 1.5 d surface.
Load Duration: 1.00 Spacing: 16.0 "	MWFRS Parallel Dist: NA C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.649	Chords Tens.Comp.	Chords Tens. Comp.
	Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	FT/RT:12(0)/10(0) Plate Type(s): WAVE	Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	A - B 0 - 741 B - C 0 - 1715 C - D 0 - 2423	F - G 0 - 2409 G - H 0 - 1998 H - I 0 - 1195
Lumber	•	1		D-E 0-2435	I-J 1 0

Lumber

Value Set: NDS 2015

Top chord 4x2 SP 2400f-2.0E T2 4x2 SP #1; Bot chord 4x2 SP #2 B2 4x2 SP 2400f-2.0E; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X4(R) except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Onlorus	rens.comp.	Ciloida	i Ci io.	Comp.
A - B B - C	0 - 741 0 - 1715	F-G G-H	-	- 2409 - 1998
			-	
C-D	0 - 2423	H - I	0	- 1195
D-E	0 - 2435	I - J	1	0
E-F	0 - 2409			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Chords Tens.Comp.		Chords	Tens. Co	omp.
U - T	35	0	P-0	2439	0
T - S	1356	0	O - N	2303	0
S-R	2086	0	N - M	1678	0
R-Q	2086	0	M - L	686	0
Q-P	2435	0			

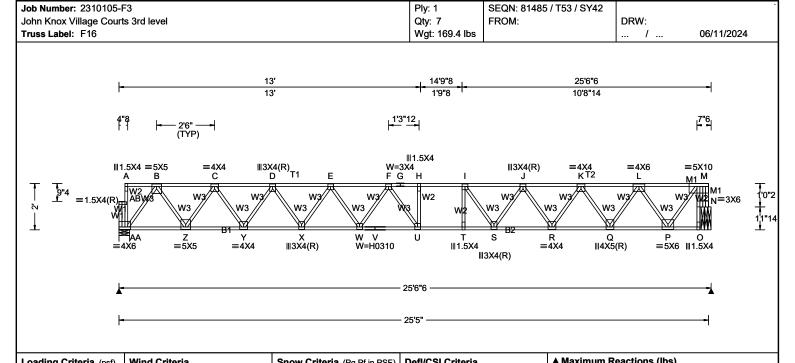
Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens. Comp.	
A - V	9	- 408	E-O	156	- 321
A - T	1194	0	O - G	312	0
V - A	0	-814	G - N	0	- 550
V - U	8	0	N - H	577	0
T-B	0	- 1108	H - M	0	-870
B - S	647	0	M - I	917	0
S-C	0	- 669	I - L	0	- 1197
C - Q	769	0	J-K	0	- 36
Q - D	0	-417	L-K	0	- 12
P - E	68	- 229	K-L	0	- 45

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.415 H 720 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.640 H 466 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.075 B
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.116 B
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.694
Load Duration: 1.00	BCDL: NA psf MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.867
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.857
opasing. 10.0	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

- IV	A Maximum Reactions (IDS)					
	G	ravity		No.	on-Gra	vity
Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL
AA	1421	/-	/-	/-	/-	/-
N	1430	/-	/-	/-	/-	/-
AA	Brg W	/id = 5.5	Min	Req = 1.5	(Trus	s)
N	Brg W	/id = 5.2	Min	Req = 1.5	(Sup	oort)
Bea	rings /	\ A & N a	are a riç	gid surface).).	
Max	cimum	Top Ch	ord Fo	orces Per	Ply (lb	s)
Cho	rds T	ens.Cor	np.	Chords	Tens.	Comp.

0 -4617 B-C 0 - 1712 H-I 0 -4618 C-D 0 - 3016I - I0 -4313 D-E 0 - 3939 J - K 0 - 3601 E-F 0 - 4493 K-L 0 - 2531 F-G 0 - 4617 - 1036 L-M

Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Value Set: NDS 2015

Lumber

Plating Notes All plates are 3X3 except as noted.

Top chord 4x2 SP #2 T2 4x2 SP 2400f-2.0E; Bot chord 4x2 SP #1 B2 4x2 SP 2400f-2.0E;

Deflection

Max JT VERT DEFL: LL: 0.41" DL: 0.28". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	rens.cc	mp.	Chords	Tens. Co	omp.
AA- Z	950	0	U - T	4618	0
Z - Y	2450	0	T - S	4614	0
Y - X	3560	0	S-R	4032	0
X - W	4301	0	R-Q	3143	0
W - V	4642	0	Q-P	1898	0
V - U	4642	0	P-0	68	0

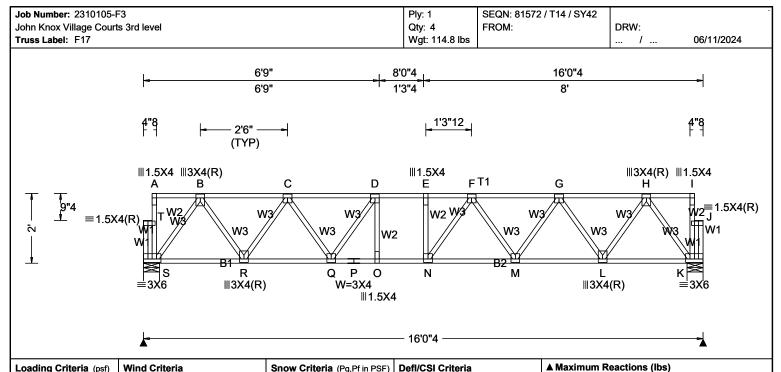
Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Ťens.	Comp.
AB-AA	4	- 73	T - I	297	- 100
A -AB	0	- 37	I-S	0	- 766
AA- B	0	- 1657	S-J	625	0
B - Z	1375	0	J-R	0	-777
Z - C	0	- 1331	R-K	825	0
C - Y	1021	0	K-Q	0	- 1104
Y - D	0	- 980	Q-L	1142	0
D - X	683	0	L-P	0	- 1553
X - E	0	-652	P - M	1637	0
E-W	384	0	N - O	8	0
W-F	0	- 381	N - M	0	- 264
F-U	393	- 369	M - N	9	- 1196
U - H	130	-210			

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL	: 0.00
Soffit:	0.00
Load Du	ration: 1.00
Spacing:	16.0 "

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.100 E 999 480 VERT(TL): 0.156 N 999 360 HORZ(LL): 0.020 K HORZ(TL): 0.031 K Creep Factor: 2.0 Max TC CSI: 0.526 Max BC CSI: 0.689 Max Web CSI: 0.348 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Chords Tens.Comp. Chords E-F

Bearings S & K are a rigid surface.

Gravity

s 883 /-

s

883 Κ

/ R-

0 - 1770 B - C 0 - 979 F-G 0 - 1567 C-D 0 - 1566G-H 0 - 978 D-F 0 - 1771 H - I

Brg Wid = 5.5 Min Req = 1.5 (Truss)

Brg Wid = 5.5 Min Req = 1.5 (Truss)

Maximum Top Chord Forces Per Ply (lbs)

Non-Gravity

/-

Tens. Comp.

/U

/-

/Rw

1-

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2

Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
S-R	574	0	O - N	1771	0
R-Q	1357	0	N - M	1745	0
Q-P	1769	0	M - L	1361	0
P-0	1769	0	L-K	573	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Co	omp.	Webs	Tens.	Comp.
T-S	4	- 75	N - F	261	- 140
A - T	0	- 39	F-M	0	- 320
S-B	0 -	1002	M - G	373	0
B - R	729	0	G-L	0	- 689
R-C	0	-682	L-H	730	0
C - Q	402	0	H - K	0	- 1000
Q - D	0	- 446	l - J	0	- 38
D - O	156	- 64	K-J	4	- 34
E-N	33	- 130	J - K	0	- 39

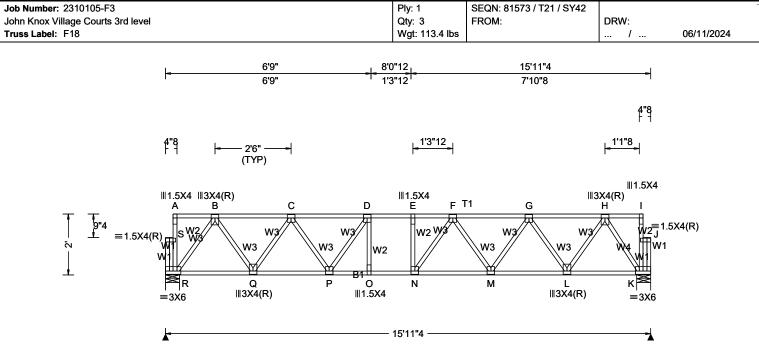
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	<u> </u>		— 15'11 " 4 ————————————————————————————————————	-
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/#	Maximum Reactions (Ibs) Gravity Non-Gravity

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

0 - 1753

Maximum Bot Chord Forces Per Ply (lbs)									
Chords	Tens.Comp.		Chords	omp.					
R-Q	571	0	N - M	1718	0				
Q-P	1347	0	M - L	1321	0				
P-0	1752	0	L-K	521	0				
O - N	1753	0							

Maximum Web Forces Per Ply (lbs)

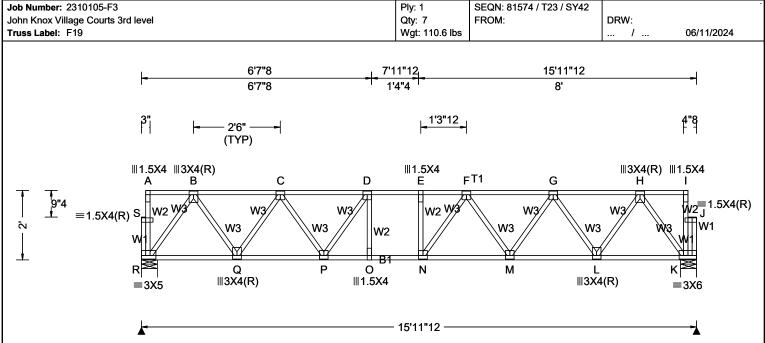
Webs	Tens.Comp.		Webs	Tens. Comp	
S-R	4	- 75	N - F	272	- 127
A - S	0	- 39	F - M	0	- 332
R-B	0	- 996	M - G	384	0
B - Q	724	0	G-L	0	- 701
Q-C	0	- 676	L - H	741	0
C-P	397	0	H-K	0	- 975
P-D	0	- 440	l - J	0	- 29
D - O	152	- 67	K - J	3	- 33
E - N	26	- 136	J - K	0	- 31

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	A -		— 15'11 " 12 —		<u> </u>
Coading Criteria (psf)	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.103 E 999 480 VERT(TL): 0.164 E 999 360 HORZ(LL): 0.020 K HORZ(TL): 0.032 K Creep Factor: 2.0 Max TC CSI: 0.428 Max BC CSI: 0.714 Max Web CSI: 0.351 Mfg Specified Camber:	K Brg Wid = 5.5 Min Ro Bearings R & K are a rigid s Maximum Top Chord Forc Chords Tens.Comp. C A - B 1 0 E B - C 0 -985 F	Non-Gravity
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10		-H 0 -985

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
R-Q	578	0	N - M	1760	0
Q-P	1366	0	M - L	1370	0
P-0	1788	0	L-K	576	0
O - N	1789	0			

Maximum Web Forces Per Ply (lbs)

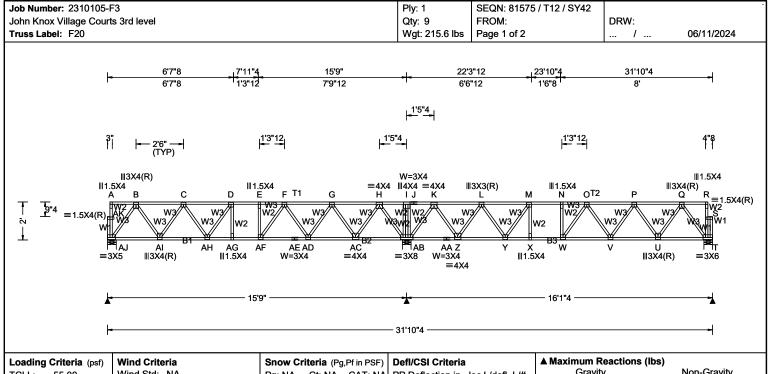
Webs	Tens.Comp.	Webs	Tens. Comp.	
S-R	0 -61	N - F	269	- 137
A - S	0 -39	F-M	0	- 325
R-B	0 - 1008	M - G	379	0
B - Q	734 0	G-L	0	- 695
Q-C	0 -687	L - H	736	0
C-P	409 0	H - K	0	- 1006
P-D	0 -458	I - J	0	- 38
D - O	160 -63	K-J	4	- 34
E - N	30 - 137	J - K	0	- 39

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.125 N 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.199 W 950 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.026 T
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.041 T
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.652
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.883
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.415
-pg	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs)									
G	ravity	-	Non-Gravity						
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL				
AJ 825	/-	/-	/-	/-	/-				
AB 2010	/-	/-	/-	/-	/-				
T 857	/-	/-	/-	/-	/-				
AJ Brg V	Vid = 5	.5 Min	Req = 1.5	5					
AB Brg V	Vid = 5	.5 Min	Req = 1.5	5					
T Brg V	Vid = 5	.5 Min	Req = 1.5	5					
Bearings	AJ, AB	, & T are	a rigid sur	face.					
Maximun	Maximum Top Chord Forces Per Ply (lbs)								
Chords	Γens.C	omp.	Chords	Tens.	Comp.				
A - B	1	0	J-K	1033	Λ				
	1	-	-		504				
B-C	0	- 885	K-L	209	- 531				

L - M

M - N

N - O

0 - P

P - Q

Q - R

0 - 1235

0

0 - 1433

0 -905

3

0 - 1530

- 1530

Webs 4x2 SP #3 **Plating Notes**

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

0

0

0 - 1378

0 - 1512

0 - 1508

0 - 1178

145 - 493

1033

1033

C - D

D-E

E-F

F-G

G-H

H - I

I - J

Chords	Tens.Comp.		Chords	Tens. Comp.	
AJ-AI	525	0	AB-AA	80	- 431
Al-AH	1221	0	AA- Z	80	- 431
AH-AG	1512	0	Z - Y	962	- 29
AG-AF	1512	0	Y - X	1526	0
AF-AE	1410	0	X - W	1530	0
AE-AD	1410	0	W - V	1568	0
AD-AC	925	0	V - U	1256	0
AC-AB	43	- 367	U - T	535	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Ťens.	Comp.
AK-AJ	0	- 62	AB- K	0	- 1159
A -AK	0	-41	K-Z	867	0
AJ- B	0	- 917	Z - L	0	-829
B -Al	650	0	L-Y	560	0
AI- C	0	- 605	Y - M	0	-632
C -AH	301	0	M - X	238	0
AH- D	36	- 311	N - W	94	- 81
D -AG	92	- 135	W - O	136	-282
E -AF	0	- 205	0 - V	6	- 244
AF- F	416	0	V - P	319	0

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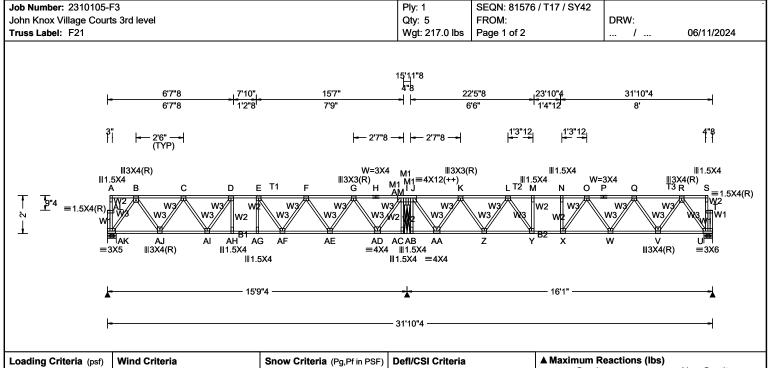
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Job Number: 2310105-F3	Ply: 1	SEQN: 81575	5 / T12 / SY42					
n Knox Village Courts 3rd level Qty: 9		FROM:			DRW:			
Truss Label: F20	Wgt: 215.6 lbs	Page 2 of 2			/	06/11/20		
			F-AD (- 486	P - U	0	- 632	
			AD- G 513	3 0 0 -839	U - Q	668 0	0 - 938	
			AC- H 872	2 0	Q - T R - S	0	- 37	
			H -AB (- 1146	T - S	4	- 34	
			I-AB (- 147	S - T	0	- 39	

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Loading	Criteria (pst)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dura	ation: 1.00
Spacing:	16.0 "
1	

Value Set: NDS 2015 Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lt Bearing Leg: 4x2 SP #3;

Webs 4x2 SP #3

Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.109 N 999 480 VERT(TL): 0.174 N 999 360 HORZ(LL): -0.025 R HORZ(TL): 0.043 R Creep Factor: 2.0 Max TC CSI: 0.564 Max BC CSI: 0.804 Max Web CSI: 0.451 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

= maximum reactions (ibs)								
	G	ravity			Non-Gravity			
Loc	R+	/ R-	/ Rh	/R	w /U	/ RL		
AK 8	394	/-	/-	/-	/-	/-		
AM 1	1808	/-	/-	/-	/-	/-		
US	919	/-	/-	/-	/-	/-		
AK I	Brg V	Vid = 5	.5 Mi	n Req =	1.5			
AM I	Brg V	Vid = 3	.5 Mi	n Req =	1.5			
U	Brg V	Vid = 5	.5 Mi	n Req =	1.5			
Bear	ings	AK, AN	1, & U a	re a rigid	surface.			
Maxi	imun	n Top (Chord F	orces Pe	er Plv (lb	s)		
Chor	ds -	Tens.C	omp.	Chords	Tens.	Comp.		
I-K		0	- 571	K-L	0	- 1355		
^Ј А - В	3	1	0	L - M	0	- 1805		
B - C	;	0	- 979	M - N	0	- 1811		
C - D)	0 -	1564	N - O	0	- 1809		
D-E		0 -	1776	0 - P	0	- 1596		

Plating Notes

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

0 - 1717

0 - 1339

0

0 - 560

- 560

E-F

F-G

G-H

H - I

Chords	Tens.C	omp.	Chords	Tens. C	Comp.
AK-AJ	574	0	AB-AA	11	- 15
AJ-AI	1356	0	AA-Z	1060	0
Al-AH	1773	0	Z - Y	1634	0
AH-AG	1776	0	Y - X	1811	0
AG-AF	1778	0	X - W	1779	0
AF-AE	1616	0	W - V	1381	0
AE-AD	1041	0	V - U	578	0
AD-AC	11	- 15			

P - Q

Q-R

0 - 1596

- 991

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AL-AK	0	-61	AM-AC	7	0
A -AL	0	- 39	AM- J	0	- 1052
AK- B	0	- 1002	AM-AB	8	0
B -AJ	730	0	AA- K	0	- 881
AJ- C	0	- 681	K-Z	546	0
C -AI	394	0	Z-L	0	-521
Al- D	0	- 450	L-Y	459	0
D -AH	201	- 77	Y - M	0	- 262
AG- E	105	- 173	N - X	53	- 162
E -AF	71	- 274	X - O	273	- 144

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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.

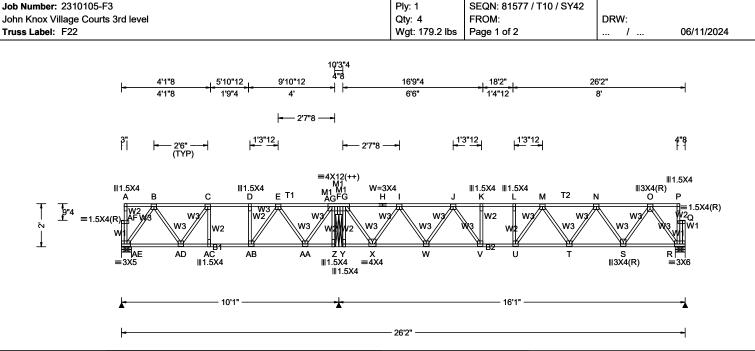
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs

lob Number: 2310105-F3	Ply: 1	SEQN: 81576	3 / T17 / SY	/42				
lohn Knox Village Courts 3rd level	Qty: 5	FROM:			DRW:			
russ Label: F21	Wgt: 217.0 lbs	Page 2 of 2				/	06/11/20)24
			AF- F	264		O - W	0	- 331
			F-AE		- 514	W - Q	387	0
			AE- G	552		Q - V	0	- 703
			G -AD		- 866	V - R	744	0
			AD- I	929		R-U	0	- 1014
			I -AM		- 1053	S - T	0	- 38
			J -AM	9		U - T	4	- 34
			J -AA	948	0	T - U	0	- 39

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SEQN: 81577 / T10 / SY42

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.110 L 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.174 L 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.026 O
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.043 O
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.577
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.675
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.453
'	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs)								
	(avity	•	No	on-Gra	vity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
AE	570	/-	/-	/-	/-	/-		
AG	1488	/-	/-	/-	/-	/-		
R	920	/-	/-	/-	/-	/-		
ΑE	Brg \	Nid = 5	.5 Min F	Req = 1.5	5			
AG	Brg \	Nid = 3	.5 Min I	Req = 1.5	5			
R	Brg \	Nid = 5	.5 Min I	Req = 1.5	5			
Bea	rings	AE, AG	i, & R are	a rigid su	ırface.			
Max	kimur	n Top C	Chord Fo	ces Per	Ply (lb	s)		
Cho	rds	Tens.Co	omp.	Chords	Tens.	Comp.		
l		_				1000		

F-H - 576 0 - 1360 0 A - B 0 J - K 0 - 1808 B - C 0 - 534 K-L 0 - 1815 C-D 0 - 693 L-M 0 - 1813 D-E 0 - 689 M - N 0 - 1598 E-F 0 - 314 N - O 0 - 992 0 - 576 0 - P

Plating Notes

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lt Bearing Leg: 4x2 SP #3;

Webs 4x2 SP #3

Lumber

All plates are 3X3 except as noted.

Job Number: 2310105-F3

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum	Bot Chord	Forces	Per	Ply (lbs)	

Chords	Tens.C	omp.	Chords	Tens. Co	omp.
AE-AD	348	0	X - W	1067	0
AD-AC	693	0	W - V	1639	0
AC-AB	693	0	V - U	1815	0
AB-AA	577	0	U - T	1782	0
AA- Z	7	- 16	T - S	1383	0
Y - X	13	-8	S-R	579	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens.	Comp.
AF-AE	0	- 56	X - I	0	-885
A -AF	0	- 35	I - W	539	0
AE- B	0	- 609	W - J	0	-513
B -AD	334	0	J - V	456	0
AD- C	0	- 295	V - K	0	- 262
C -AC	70	- 62	L - U	50	- 163
D -AB	0	- 185	U - M	275	- 139
AB- E	330	0	M - T	0	- 332
E -AA	0	- 474	T - N	388	0
AA- F	520	0	N - S	0	- 704
G -AG	9	0	S-0	745	0
G - X	952	0	0 - R	0	- 1015
F -AG	14	- 807	P-Q	0	- 38
AG- Z	13	0	R-Q	4	- 34

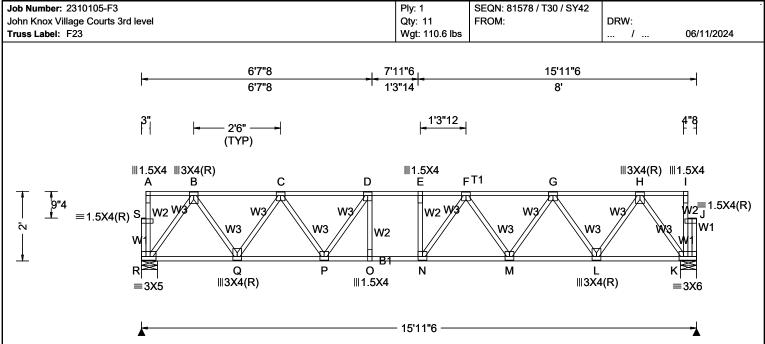
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Job Number: 2310105-F3	Ply: 1	SEQN: 81577	/ T10 / SY42				
John Knox Village Courts 3rd level	Qty: 4	FROM:	, ,	DRW:			
Truss Label: F22	Wgt: 179.2 lbs	Page 2 of 2				06/11/2024	
			AG- G	925	Q - R	0 -:	39
			AG-Y	3 0			
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WING!	III EBO					
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLU Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refe Component Safety Information, by TPI and SBCAI for safety practices prior to performing the	וטווט וHE INST <i>A</i> er to and follow the	NLLERS e latest edition o	f BCSI (Building	a			
Component Safety Information, by TPI and SRCA) for safety practices prior to performing the	nese functions. In	stallers shall nro	wide temporary	-			

Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise,top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.



	A		— 15'11 " 6 ———		
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/#	K Brg Wid = 5.5 Min R Bearings R & K are a rigid s Maximum Top Chord Ford Chords Tens.Comp. C A - B 1 0 E B - C 0 -983 F	Non-Gravity / Rw / U / RL /- /- /- /- /- /- /- teq = 1.5 teq = 1.5 surface.
	TTING BUILDING IV	1,,,,,,	11211 101. 20.02.04/1.0207.10		1-I 3 0

R	884	/-	/-	/-	/-	/-	
Κ	886	/-	/-	/-	/-	/-	
R	Brg '	Wid = 5	.5 Mi	in Req = 1.	5		
Κ	Brg '	Wid = 5	.5 Mi	in Req = 1.	5		
Be	arings	R&Ka	are a riç	gid surface.			
Maximum Top Chord Forces Per Ply (lbs)							
Ch	ords	Tens.C	omp.	Chords	Tens.	Comp.	
Α-	В	1	0	E-F	0	- 1781	
В-	С	0	- 983	F-G	0	- 1575	
C-	D	0 -	1574	G-H	0	- 982	
_	_	^	1702	LI I	_	^	

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
R-Q	577	0	N - M	1755	0	
Q-P	1363	0	M - L	1367	0	
P-0	1781	0	L-K	575	0	
O - N	1783	0				

Maximum Web Forces Per Ply (lbs)

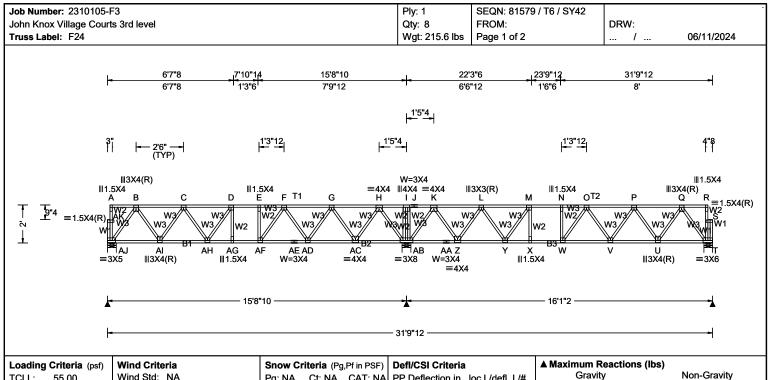
Webs	Tens.Comp.	Webs	Tens.	Comp.
S-R	0 -61	N-F	267	- 138
A - S	0 - 39	F-M	0	- 323
R-B	0 - 1006	M - G	376	0
B - Q	732 0	G-L	0	- 693
Q-C	0 -685	L-H	734	0
C-P	406 0	H - K	0	- 1004
P-D	0 -453	l - J	0	- 38
D - O	158 - 64	K-J	4	- 34
E - N	31 - 134	J - K	0	- 39

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CS
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Defle
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(L
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(T
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(L
Des Ld: 85.00	EXP: NA		HORZ(T
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep F
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max We
1 5	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Spe
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW V

F)	Defl/CSI Criteria	
NΑ	PP Deflection in loc L/defl L/#	
4	VERT(LL): 0.124 N 999 480	١.
	VERT(TL): 0.198 W 957 360	١.
	HORZ(LL): 0.026 T	١.
	HORZ(TL): 0.041 T	١.
	Creep Factor: 2.0	١.
	Max TC CSI: 0.648	ı.
	Max BC CSI: 0.878	
	Max Web CSI: 0.414	ı
	Mfg Specified Camber:	
		١.
	VIEW Ver: 23.02.04A.0207.10	١.

▲ M	▲ Maximum Reactions (lbs)							
	Gravity Non-Gravity							
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL		
AJ	823	/-	/-	/-	/-	/-		
AB	2008	/-	/-	/-	/-	/-		
Т	856	/-	/-	/-	/-	/-		
AJ	Brg W	/id = 5.5	Min	Req = 1.5	5			
AB	Brg W	/id = 5.5	Min	Req = 1.5	5			
Т	Brg W	/id = 5.5	Min	Req = 1.5	5			
Bearings AJ, AB, & T are a rigid surface.								
Maximum Top Chord Forces Per Ply (lbs)								
				Chords	• •	•		

Chords	Tens.Comp.	Chords	Tens.	Comp.
A - B	1 0	J-K	1033	0
B - C	0 -882	K-L	209	- 528
C - D	0 - 1372	L - M	0	- 1232
D-E	0 - 1504	M - N	0	- 1526
E-F	0 - 1501	N - O	0	- 1526
F-G	0 - 1173	O - P	0	- 1430
G-H	149 - 489	P-Q	0	- 904
H - I	1033 0	Q-R	3	0
I - J	1033 0			

Plating Notes

Lumber

All plates are 3X3 except as noted.

Additional Notes

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
AJ-AI	523	0	AB-AA	76	- 432
Al-AH	1217	0	AA-Z	76	- 432
AH-AG	1505	0	Z - Y	958	- 29
AG-AF	1504	0	Y - X	1522	0
AF-AE	1404	0	X - W	1526	0
AE-AD	1404	0	W - V	1564	0
AD-AC	921	0	V - U	1254	0
AC-AB	40	- 366	U - T	534	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AK-AJ	0	-62	AB- K	0	- 1158
A -AK	0	- 41	K-Z	866	0
AJ- B	0	- 914	Z - L	0	-828
B -Al	647	0	L-Y	559	0
Al- C	0	-603	Y - M	0	- 630
C -AH	299	0	M - X	237	0
AH- D	39	- 309	N - W	94	- 79
D -AG	91	- 135	W - O	134	- 281
E -AF	0	- 202	0 - V	6	- 242
AF- F	413	- 1	V - P	318	0

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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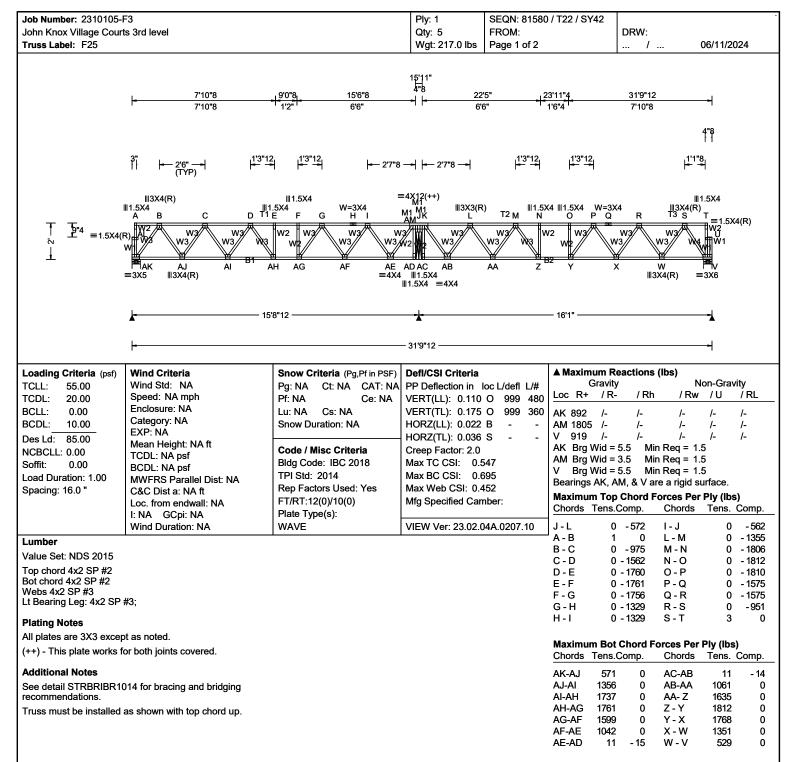
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Job Number: 2310105-F3	Ply: 1	SEQN: 81579	9 / T6 / SY42	Т				
John Knox Village Courts 3rd level	Qty: 8	FROM:	, 10, 0142		DRW:			
Truss Label: F24	Wgt: 215.6 lbs	Page 2 of 2					06/11/20	
			F -AD AD- G 5	0 511	- 484 0	P - U U - Q	0 667	- 630 0
			G -AC	0	- 837	Q-T R-S	0	- 937
			AC-H 8	370	0	R-S	0	- 37
			H -AB I -AB	0 -	1144 - 147	T - S S - T	4 0	- 34 - 39
			1 715	Ü		0 1	Ü	00

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Maximum Web Forces Per Plv (lbs)

muximum vvcb i oroco i ci i iy (ibo)							
Webs	Tens.C	Comp.	Webs	Tens.	Comp.		
AL-AK	0	- 59	AM-AD	8	0		
A -AL	0	- 38	AM- K	0	- 1054		
AK- B	0	- 998	AM-AC	8	0		
B -AJ	728	0	AB- L	0	-882		
AJ- C	0	- 687	L-AA	545	0		
C -AI	370	0	AA- M	0	- 519		
Al- D	0	- 317	M - Z	465	0		
D -AH	249	- 149	Z - N	0	-268		
AH- E	60	- 145	0 - Y	41	- 175		
F -AG	0	- 240	Y-P	292	- 127		
AG- G	425	0	P-X	0	- 348		

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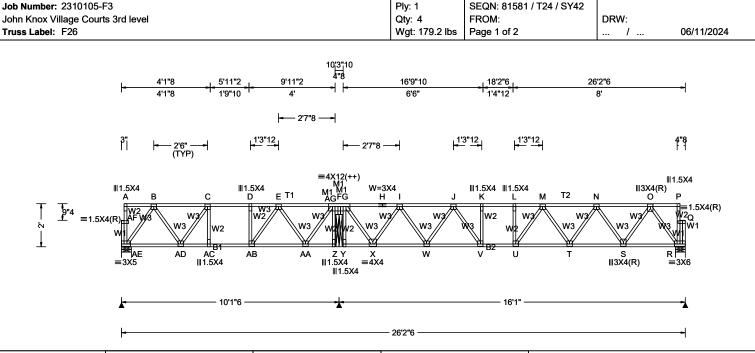
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ob Number: 2310105-F3	Ply: 1	SEQN: 81580 / T22 / SY	42	
ohn Knox Village Courts 3rd level	Qty: 5	FROM:	DRW:	
russ Label: F25	Wgt: 217.0 lbs	Page 2 of 2	/ .	06/11/2024
	"	G -AF	0 -503 X-R	
		AF- I	531 0 R-W	0 -721
		I-AE	0 -866 W-S	760 0
		AE- J	932 0 S-V	0 -994
		K -AM	9 0 T-U	0 - 29
		K -AB	948 0 V-U	3 -33
		J -AM	9 - 1049 U - V	0 -32
		0 -7 tivi	0 - 10-10	0 -02

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SEQN: 81581 / T24 / SY42

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.110 L 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.174 L 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.027 O
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.044 O
NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.577 Max BC CSI: 0.675 Max Web CSI: 0.453 Mfg Specified Camber:
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10
Lumber		•	

▲ Maximum Reactions (lbs)								
	Gravity Non-Gravity							
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
ΑE	571	/-	/-	/-	/-	/-		
AG	1490	/-	/-	/-	/-	/-		
R	920	/-	/-	/-	/-	/-		
ΑE	Brg V	Vid = 5.5	Min	Req = 1.5	5			
AG	Brg V	Vid = 3.5	Min	Req = 1.5	5			
R	Brg V	Vid = 5.5	Min	Req = 1.5	5			
Bearings AE, AG, & R are a rigid surface.								
Maximum Top Chord Forces Per Ply (lbs)								
Cho	ords T	ens.Cor	np.	Chords	Tens.	Comp.		
-								

F-H - 576 0 - 1360 0 A - B 0 J - K 0 - 1809 B - C 0 - 536 K-L 0 - 1815 C-D 0 - 697 L-M 0 - 1813 D-E 0 - 693 M - N 0 - 1598 E-F 0 - 316 N - O 0 - 992 - 576 0 - P

Plating Notes

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lt Bearing Leg: 4x2 SP #3;

Webs 4x2 SP #3

All plates are 3X3 except as noted.

Job Number: 2310105-F3

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum	Bot Chord	Forces	Per	Ply (lbs)	

.Comp.	Chords	i ens.	Comp.
0	X - W	1067	0
7 0	W - V	1639	0
7 0	V - U	1815	0
0	U - T	1782	0
7 - 16	T-S	1383	0
8 - 8	S-R	579	0
	0 7 0 7 0 9 0 0 0 7 -16	0 X-W 0 W-V 0 V-U 0 U-T 1-16 T-S	0 X-W 1067 7 0 W-V 1639 7 0 V-U 1815 0 0 U-T 1782 7 -16 T-S 1383

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AF-AE	0	- 56	X - I	0	-885
A -AF	0	- 35	I - W	539	0
AE- B	0	-611	W - J	0	-513
B -AD	337	0	J - V	456	0
AD- C	0	- 298	V - K	0	- 262
C -AC	70	- 61	L-U	50	- 163
D -AB	0	- 188	U - M	275	- 139
AB- E	333	0	M - T	0	- 332
E-AA	0	- 476	T - N	388	0
AA- F	522	0	N - S	0	- 704
G -AG	9	0	S-O	745	0
G-X	952	0	0 - R	0	- 1015
F -AG	14	- 809	P-Q	0	- 38
AG- Z	13	0	R-Q	4	- 34

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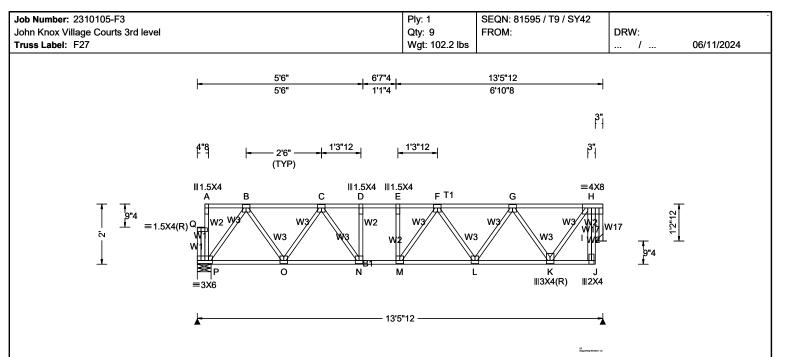
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Job Number: 2310105-F3	Ply: 1	SEQN: 81581	/ T24 / SY42			
John Knox Village Courts 3rd level Truss Label: F26	Qty: 4 Wgt: 179.2 lbs	FROM: Page 2 of 2		DRW:	1	06/11/2024
11000 20001. 1 20	1791. 179.2 105	1 age 2 01 2	AG- G	926	Q - R	0 - 39
			AG-Y 8	0		
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WINGI					
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLU Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refe Component Safety Information, by TPI and SBCA) for safety practices prior to performing th bracing ner RCSU fulless noted otherwise ton chord shall have properly attached structural.	DING THE INSTA	LLERS	f BCSI /Buildiss			
Component Safety Information, by TPI and SBCA) for safety practices prior to performing	ese functions. In	stallers shall pro	vide temporary			

per BCSI. Unless noted otherwise.top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	
TCLL: 55.00	Wind Std: NA	J -	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.063 E 999 480	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.097 M 999 360	P 735 /- /-	/- /- /-
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.011 J	I 739 /- /-	/- /- /-
Des Ld: 85.00	EXP: NA Mean Height: NA ft		HORZ(TL): 0.017 J		Req = 1.5 (Truss)
NCBCLL: 0.00	TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0	J 3	Req = -
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.418	Bearing P is a rigid surface	.
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.464	Maximum Top Chord Fore	
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.347	Chords Tens.Comp. C	Chords Tens. Comp.
1 3	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:	A-B 3 0 E	E-F 0 -1213
	I: NA GCpi: NA	Plate Type(s):		B-C 0 -772 F	- G 0 - 1034
1	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	C-D 0-1208 0	G - H 0 - 451
	II.	I .	I	D_F 0_1214	

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Chords	rens.comp.	Chords	rens. Comp.
A - B	3 0	E-F	0 - 1213
B - C	0 -772	F-G	0 - 1034
C - D	0 - 1208	G-H	0 -451
D-E	0 - 1214		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
P-0	472	0	M - L	1198	0	
O - N	1053	0	L-K	838	0	
N - M	1214	0	K - J	47	0	

Maximum Web Forces Per Ply (lbs)

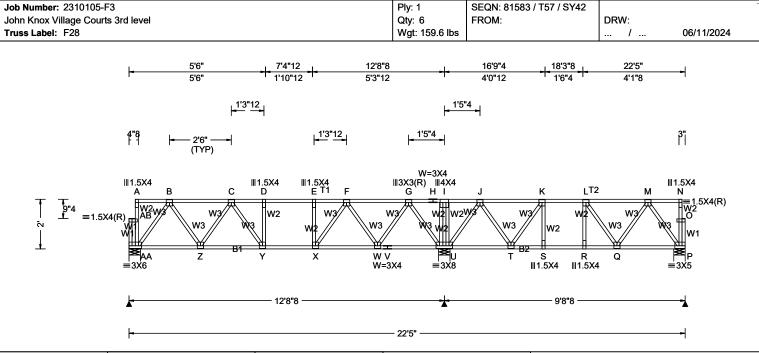
Webs	lens.C	comp.	Webs	Webs Tens.	
Q-P	3	- 70	M - F	197	- 108
A - Q	0	- 35	F-L	0	- 297
P-B	0	- 825	L-G	353	0
B - O	540	0	G-K	0	- 697
O-C	0	- 507	K-H	730	0
C - N	379	0	H - I	0	-722
N - D	0	-216	I - H	0	- 14
E-M	38	- 116	l - J	4	-1

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dur	ation: 1.00
Spacing:	16.0 "
1	

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.058 D 999 480 VERT(TL): 0.106 D 999 360 HORZ(LL): 0.017 B HORZ(TL): 0.032 B Creep Factor: 2.0 Max TC CSI: 0.590 Max BC CSI: 0.468 Max Web CSI: 0.264 Mfg Specified Camber:

VIEW	Ver-	23	വാ	$\Delta N\Omega$	0207	10

▲ Maxim	•	Non-Gravity			
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ F
AA 722	/-	/-	/-	/-	/-

/ RL

/-

/-

u 1333 /-552 /-/-AA Brg Wid = 5.5 Min Req = 1.5 U Brg Wid = 5.5 Min Req = 1.5 Brg Wid = 5.5 Min Req = 1.5 Bearings AA, U, & P are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Choras	rens.comp.	Chords	rens. (Jonnp.
A - B	3 0	H - I	366	0
B - C	0 -720	I - J	366	0
C - D	0 - 1081	J-K	0	- 501
D-E	0 - 1086	K-L	0	- 658
E-F	0 - 1080	L - M	0	- 508
F-G	0 -681	M - N	1	0
G - H	366 0			

Webs 4x2 SP #3 **Plating Notes**

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
AA- Z	444	0	U - T	331	- 51
Z - Y	969	0	T-S	657	0
Y - X	1086	0	S-R	658	0
X - W	947	0	R-Q	657	0
W - V	398	0	Q-P	337	0
V - U	398	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens. (Comp.
AB-AA	4	-72	I - U	0	- 130
A -AB	0	- 36	U - J	0	-659
AA- B	0	- 779	J - T	400	0
B - Z	498	0	T - K	0	-412
Z - C	0	- 450	K-S	141	- 36
C - Y	291	0	R-L	69	- 109
Y-D	0	- 183	L-Q	0	- 269
E-X	0	- 236	Q - M	310	0
X - F	393	0	M - P	0	- 589
F-W	0	- 535	N - O	0	- 33
W - G	554	0	P-0	0	- 12
G-U	0	- 846	0 - P	0	- 43

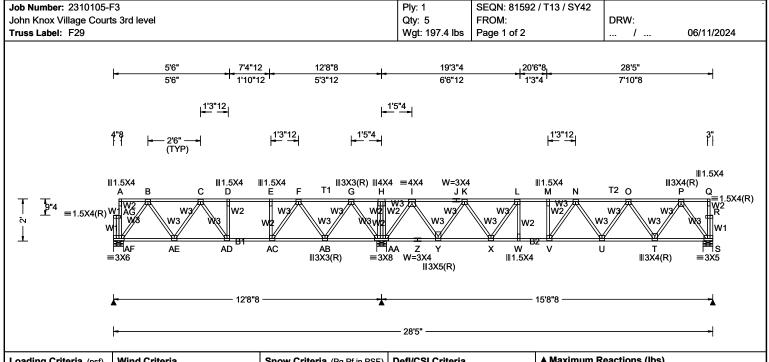
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Loading (Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dura	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.104 M 999 480 VERT(TL): 0.161 V 999 360 HORZ(LL): 0.023 S HORZ(TL): 0.037 S Creep Factor: 2.0 Max TC CSI: 0.704 Max BC CSI: 0.748 Max Web CSI: 0.387 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ Maximum	Reactions	(lbs)
Cros	rits r	

	G	ravity	N	on-Gra	avity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AF	687	/-	/-	/-	/-	/-
AΑ	1735	/-	/-	/-	/-	/-
S	865	/-	/-	/-	/-	/-
ΑF	Brg V	Vid = 5.5	Min	Req = 1.	5 (Trus	ss)
AΑ	Brg V	Vid = 5.5	Min	Req = 1.	5 (Trus	ss)
S	Brg V	Vid = 5.5	Min	Req = 1.	5 (Trus	ss)
Bea	rings /	۹F, AA, 8	& S are	a rigid su	ırface.	

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

A - B	3	0	l - J	0 -78	31
B - C	0	- 675	J-K	0 -78	31
C-D	0	- 970	K-L	0 - 14	11
D-E	0	- 973	L - M	0 - 164	1 5
E-F	0	- 967	M - N	0 - 164	14
F-G	60	- 502	N - O	0 - 149	92
G-H	694	0	0 - P	0 -93	39
H - I	694	0	P-Q	1	0

Webs 4x2 SP #3 **Plating Notes**

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
AF-AE	420	0	Y - X	1179	0
AE-AD	898	0	X - W	1642	0
AD-AC	973	0	W - V	1645	0
AC-AB	794	0	V - U	1648	0
AB-AA	197	- 204	U - T	1303	0
AA- Z	364	- 85	T - S	553	0
Z - Y	364	- 85			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens. (Comp.
AG-AF	4	-72	Y - K	0	- 777
A -AG	0	- 36	K - X	488	0
AF-B	0	-738	X - L	0	- 547
B -AE	460	0	L - W	203	- 38
AE- C	0	- 402	M - V	81	- 102
C -AD	208	- 43	V - N	203	- 242
AD- D	28	- 137	N - U	0	- 281
E -AC	0	- 263	U - O	341	0
AC-F	444	0	O - T	0	- 656
F -AB	0	- 581	T-P	696	0
AB- G	588	0	P-S	0	- 966
G -AA	0	- 879	Q-R	0	- 38

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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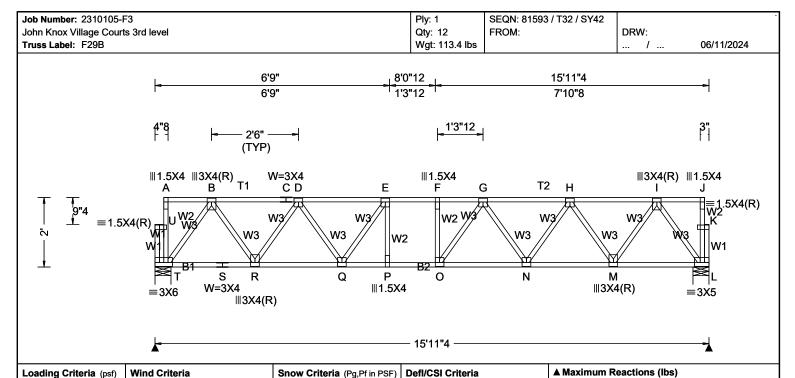
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

lob Number: 2310105-F3 lohn Knox Village Courts 3rd level [russ Label: F29	Ply: 1 Qty: 5 Wgt: 197.4 lbs	FROM:	2 / T13 / SY42	DRW:	/ 0	6/11/202	24
	·	•	H -AA AA- I I - Y 81	0 - 134 0 - 1101	S - R R - S	0	- 12 - 47
WARNING READ AND FOLLOW A **IMPORTANT** FURNISH THIS DRAWING TO ALL isses require extreme care in fabricating, handling, shipping, in	ALL NOTES ON THIS DRAWING!	ALLERS					

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TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.102 F 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.160 F 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.020 L
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.031 L
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.553
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.703
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.349
' '	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10

	Gravity		Non-Gravity		
Loc R+	- / R-	/ Rh	/ Rw	/ U	/ RL
T 885	/-	/-	/-	/-	/-
L 884	/-	/-	/-	/-	/-
T Brg	Wid = 5.	5 Min	Req = 1.5	(Trus	s)
L Brg	Wid = 5.	5 Min	Req = 1.5	(Trus	s)
Bearing	sT&La	re a rigio	l surface.		
Maximu	ım Top C	hord Fo	orces Per	Ply (lb:	s)
Chords	Tens.Co	omp.	Chords	Tens.	Comp.
A - B	3	0	F-G	0	- 1779
B-C	-	-	G-H	Ŏ	- 1574
C-D	0	- 982	H - I	0	-982
D-E	0 -	1572	I - J	1	0

Lumber Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

0 - 1780

E-F

Chords	Tens.Comp.		Chords	Tens. Comp.		
T-S	576	0	P-0	1780	0	
S-R	576	0	O - N	1753	0	
R-Q	1361	0	N - M	1366	0	
Q-P	1778	0	M - L	575	0	

Maximum Web Forces Per Ply (lbs)

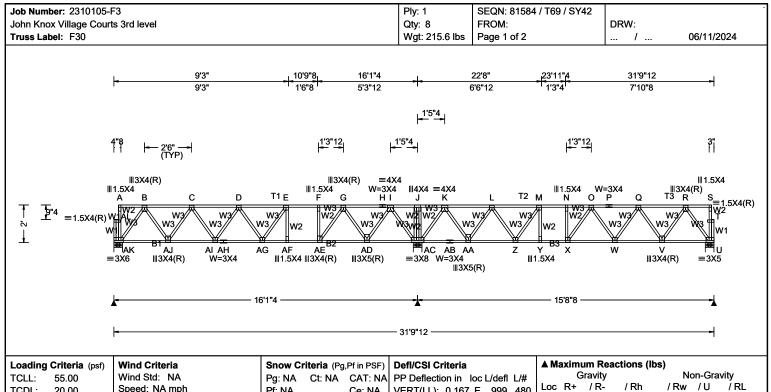
MACDS	i ciis.C	onp.	MACDS	16115.	Comp.
U - T	4	- 75	0 - G	265	- 139
A - U	0	- 39	G - N	0	- 322
T - B	0	- 1005	N - H	375	0
B-R	732	0	H - M	0	-692
R-D	0	- 684	M - I	733	0
D - Q	406	0	I-L	0	- 1003
Q-E	0	- 452	J - K	0	- 38
E-P	158	- 64	L-K	0	- 12
F - O	32	- 133	K-L	0	- 47

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL	: 0.00
Soffit:	0.00
Load Du	ration: 1.00
Spacing:	16.0 "

Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

VERT(LL): 0.167 E 999 480 VERT(TL): 0.260 E 729 360 HORZ(LL): 0.037 B HORZ(TL): 0.058 B Creep Factor: 2.0 Max TC CSI: 0.855 Max BC CSI: 0.874 Max Web CSI: 0.386 Mfg Specified Camber:

AK 896

H - I

VIEW Ver: 23.02.04A.0207.10

	<i>I- I-</i>	/-	/-	/-
U 855	/- /-	/-	/-	/-
AK Brg V	/id = 5.5 I	Min Req = 1.	5	
AC Brg V	/id = 5.5 I	Min Req = 1.	5	
U Brg V	/id = 5.5 I	Min Req = 1.	5	
Bearings /	AK, AC, & U	are a rigid su	ırface.	
Maximum	Top Chord	l Forces Per	Plv (lbs	:)
	•	Chords	• •	•
A D	3 0	I K	608	Λ.
A - B	3 0	J - K	698	0
A-B B-C	3 0 0 -959	J-K K-L	698 0	0 -711
	•	K-L		-
B-C	0 -959	K-L	0	-711
B-C C-D	0 - 959 0 - 1534	K - L L - M	0	- 711 - 1357
B-C C-D D-E	0 - 959 0 - 1534 0 - 1713	K - L L - M M - N	0 0 0	- 711 - 1357 - 1600

/-

0 - 925

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 B2 4x2 SP #1;

Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

46 - 784

698

Chords	Tens.C	Comp.	Chords	Tens. C	Comp.
AK-AJ	564	0	AC-AB	290	- 44
AJ-AI	1327	0	AB-AA	290	- 44
Al-AH	1727	0	AA- Z	1116	0
AH-AG	1727	0	Z - Y	1597	0
AG-AF	1599	0	Y - X	1600	0
AF-AE	1591	0	X - W	1614	0
AE-AD	1219	0	W - V	1282	0
AD-AC	373	- 225	V - U	546	0

Q-R

R-S

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AL-AK	4	-71	AC- K	0	- 1099
A -AL	0	- 36	K-AA	811	0
AK- B	0	- 989	AA- L	0	- 778
B -AJ	712	0	L - Z	490	0
AJ- C	0	- 664	Z - M	0	- 535
C -AI	373	0	M - Y	197	- 30
Al- D	0	- 347	N - X	75	- 93
D -AG	95	- 134	X - O	183	-230
AG- E	358	- 19	O - W	0	- 268
E -AF	0	-311	W - Q	330	0

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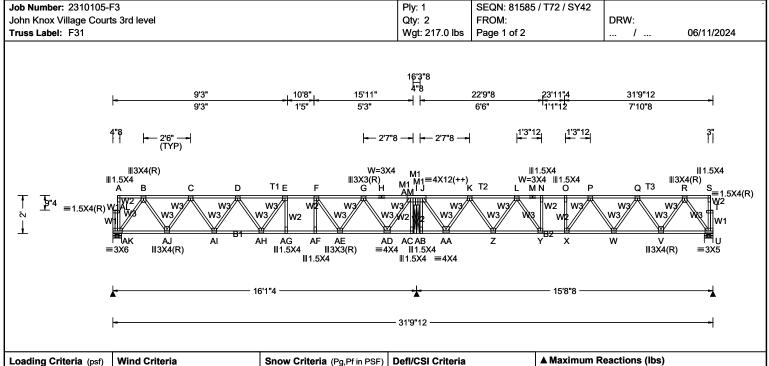
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Job Number: 2310105-F3	Ply: 1	SEQN: 81584	/ T60 / SV42				
John Knox Village Courts 3rd level	Qty: 8	FROM:	/ 109 / 5142	DRW:			
Truss Label: F30	Wgt: 215.6 lbs	Page 2 of 2			/	. 06/11/20	24
		· -	F-AE 0	- 360	Q - V	0	- 644
			AE- G 766	0	V - R	684	0
			G-AD 0	- 839	R - U S - T	0	- 953
			AD- I 781 I -AC 0	0 0 - 1087	5 - 1 U - T	0 0	- 37 - 12
			J-AC 0	- 135	T - U	0	- 47

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Loading (Criteria	(psf)
TCLL:	55.00	
TCDL:	20.00	
BCLL:	0.00	
BCDL:	10.00	
Des Ld:	85.00	
NCBCLL:	0.00	
Soffit:	0.00	
Load Dura	ation: 1.0	00
Spacing:	16.0 "	

Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.140 E 999 480 VERT(TL): 0.224 E 846 360 HORZ(LL): 0.030 B HORZ(TL): 0.048 B Creep Factor: 2.0 Max TC CSI: 0.686 Max BC CSI: 0.882 Max Web CSI: 0.450 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ Maxim	um Rea	ctions (II	os)		
	ravity		No	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AK 920	/-	/-	/-	/-	/-
AM 1805	/-	/-	/-	/-	/-
U 891	/-	/-	/-	/-	/-
AK Brg \	Nid = 5.	5 Min F	Req = 1.5	5	
AM Brg \	Nid = 3.	5 Min F	Req = 1.5	5	
U Brg \	Nid = 5.	5 Min F	Req = 1.5	5	
Bearings	AK, AM	, & U are	a rigid รเ	ırface.	
Maximur	n Top C	hord For	ces Per	Ply (lb	s)

Tens.Comp.	Chords	Tens. Comp.
0 - 561	K-L	0 - 1327
3 0	L - M	0 - 1751
0 -993	M - N	0 - 1751
0 - 1600	N - O	0 - 1757
0 - 1815	0 - P	0 - 1756
0 - 1733	P-Q	0 - 1558
0 - 1366	Q-R	0 - 973
0 -572	R-S	1 0
0 - 572		
	0 -561 3 0 0 -993 0 -1600 0 -1815 0 -1733 0 -1366 0 -572	0 -561 K-L 3 0 L-M 0 -993 M-N 0 -1600 N-O 0 -1815 O-P 0 -1733 P-Q 0 -1366 Q-R 0 -572 R-S

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #1 B2 4x2 SP #2; Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. C	Comp.
AK-AJ	581	0	AB-AA	11	- 15
AJ-AI	1378	0	AA-Z	1041	0
Al-AH	1806	0	Z - Y	1596	0
AH-AG	1740	0	Y - X	1757	0
AG-AF	1733	0	X - W	1733	0
AF-AE	1724	0	W - V	1354	0
AE-AD	1053	0	V - U	570	0
AD-AC	13	- 14			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs `	Ťens.	Comp.
AL-AK	4	-72	AM-AC	6	0
A -AL	0	- 36	AM- J	0	- 1042
AK- B	0	- 1018	AM-AB	8	0
B -AJ	742	0	AA- K	0	- 865
AJ- C	0	- 695	K-Z	530	0
C -AI	400	0	Z-L	0	-502
Al- D	0	- 372	L-Y	422	0
D -AH	153	- 77	Y - N	0	- 238
AH- E	274	- 114	O - X	60	- 143
E -AG	6	- 299	X - P	246	- 150

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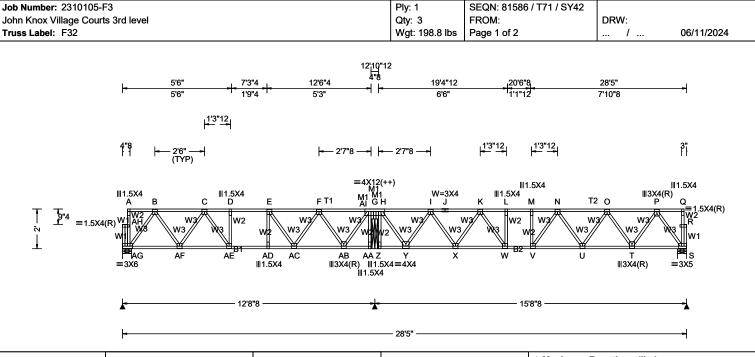
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs

Job Number: 2310105-F3	Ply: 1	SEQN: 81585	/ T72 / SY	/42				
John Knox Village Courts 3rd level	Qty: 2	FROM:			DRW:			
Truss Label: F31	Wgt: 217.0 lbs	Page 2 of 2				/	06/11/20	24
	1 -	-	AF- F	329		P-W		- 316
			F-AE	329 N	- 690	W - Q	369	- 310
			AE- G	578	0	Q - V	0	- 685
			G-AD	0.0	- 868	V - R	727	(
			AD- I	945		R - U	0	- 996
			I -AM	8	- 1060	S - T	0	- 38
			J -AM	9	0	U - T	0	- 12
			J -AA	930	0	T - U	0	- 47

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CS
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Defle
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(L
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(T
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(L
Des Ld: 85.00	EXP: NA		HORZ(T
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Fa
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max We
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Spe
	I: NA GCpi: NA	Plate Type(s):	

WAVE

SI Criteria lection in loc L/defl L/# LL): 0.100 M 999 480 TL): 0.160 M 999 360 LL): -0.027 P TL): 0.046 P Factor: 2.0 CCSI: 0.564 CCSI: 0.602 eb CSI: 0.444 ecified Camber: VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs)									
	Gravity Non-Gravity								
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
AG	727	/-	/-	/-	/-	/-			
ΑI	1614	/-	/-	/-	/-	/-			
S	891	/-	/-	/-	/-	/-			
AG	Brg W	/id = 5.5	Min F	Req = 1.5	5				
ΑI	Brg W	/id = 3.5	Min F	Req = 1.5	5				
S	Brg W	/id = 5.5	Min F	Req = 1.5	5				
Bearings AG, AI, & S are a rigid surface.									
Max	Maximum Top Chord Forces Per Ply (lbs)								

Chords	Tens.Comp.	Chords	Tens. Comp.
G-I	0 - 564	J-K	0 - 1330
A - B	3 0	K-L	0 - 1753
B - C	0 - 726	L - M	0 - 1759
C - D	0 - 1103	M - N	0 - 1758
D-E	0 - 1107	N - O	0 - 1560
E-F	0 - 959	0-P	0 - 974
F-G	0 -426	P-Q	1 0
I - J	0 - 1330		

Plating	Notes

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Wind Duration: NA

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Co	omp.
AG-AF	447	0	Y - X	1045	0
AF-AE	982	0	X - W	1599	0
AE-AD	1107	0	W - V	1759	0
AD-AC	1107	0	V - U	1735	0
AC-AB	786	0	U - T	1355	0
AB-AA	8	- 15	T - S	571	0
Z - Y	12	- 11			

Maximum Web Forces Per Ply (lbs)

maximum rrob i oroco i oi i iy (ibo)							
Webs	Tens.Comp.		Webs	Tens.	Comp.		
AH-AG	4	- 71	Al- Z	8	0		
A -AH	0	- 35	Y - I	0	- 867		
AG- B	0	- 785	I - X	526	0		
B -AF	503	0	X - K	0	-498		
AF- C	0	-462	K-W	421	0		
C -AE	340	0	W - L	0	- 238		
AE- D	0	- 187	M - V	59	- 144		
AD- E	99	- 73	V - N	248	- 147		
E -AC	0	- 360	N - U	0	-316		
AC- F	342	0	U - O	370	0		
F -AB	0	- 650	O - T	0	- 686		
AB- G	706	0	T - P	727	0		

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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

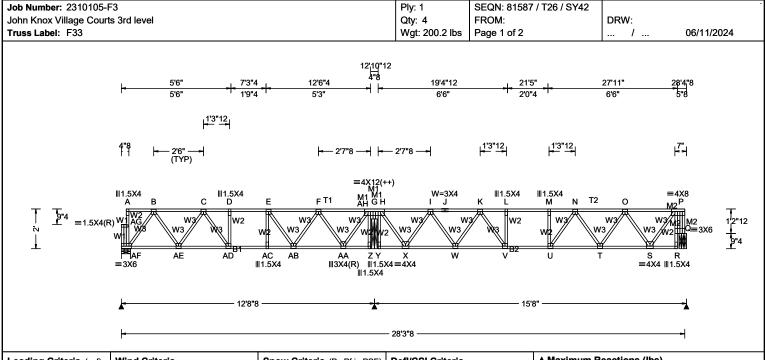
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Job Number: 2310105-F3	Ply: 1	SEQN: 81586	/ T71 / SY42				
John Knox Village Courts 3rd level	Qty: 3	FROM:		DRW:			
Truss Label: F32	Wgt: 198.8 lbs	Page 2 of 2				06/11/202	
			G -AI H -AI	9 - 904 9 0	P - S Q - R	0 0	- 997 - 38
			H - Y 93	3 0	S - R	0	- 12
			AI-AA AI- H	8 0 0 -975	R - S	0	- 47
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WING!						

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Loading (Criteria	(psf)
TCLL:	55.00	
TCDL:	20.00	
BCLL:	0.00	
BCDL:	10.00	
Des Ld:	85.00	
NCBCLL:	0.00	
Soffit:	0.00	
Load Dura	ation: 1.0	00
Spacing:	16.0 "	

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft

Loc. from endwall: NA I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.106 M 999 480 VERT(TL): 0.182 M 999 360 HORZ(LL): -0.027 P HORZ(TL): 0.046 P Creep Factor: 2.0 Max TC CSI: 0.743 Max BC CSI: 0.667 Max Web CSI: 0.726 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs)	
Gravity	Non-Gravity

Loc R+ /U AF 727 /-/-AH 1607 /-Q 884 /-/-/-/-/-AF Brg Wid = 5.5 Min Req = 1.5 AH Brg Wid = 3.5 Min Req = 1.5 Brg Wid = 4.5 Min Req = 1.5 Bearings AF, AH, & Q are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Ciloius	rens.comp.	Ciloius	rens. Comp.
G-I	0 -557	I - J	0 - 1316
A - B	3 0	J-K	0 - 1316
B - C	0 - 726	K-L	0 - 1722
C - D	0 - 1103	L - M	0 - 1728
D-E	0 - 1108	M - N	0 - 1723
E-F	0 - 959	N - O	0 - 1357
F-G	0 -426	0 - P	0 -615

Plating Notes

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. Co	omp.
AF-AE	447	0	X - W	1034	0
AE-AD	982	0	W - V	1576	0
AD-AC	1108	0	V - U	1728	0
AC-AB	1107	0	U - T	1599	0
AB-AA	786	0	T - S	1090	0
AA- Z	8	- 16	S-R	73	0
Y - X	12	- 11			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.	
AG-AF	4	- 71	AH- H	0	- 969	
A -AG	0	- 35	AH- Y	9	0	
AF- B	0	- 785	X - I	0	-860	
B -AE	503	0	I - W	520	0	
AE- C	0	-462	W - K	0	- 483	
C -AD	341	0	K-V	446	0	
AD- D	0	- 187	V - L	0	- 267	
AC- E	99	- 73	M - U	0	- 248	
E -AB	0	- 360	U - N	407	-7	
AB- F	342	0	N - T	0	-436	
F -AA	0	- 650	T - O	481	0	
AA- G	706	0	0 - S	0	- 857	
G -AH	9	- 902	S-P	917	0	

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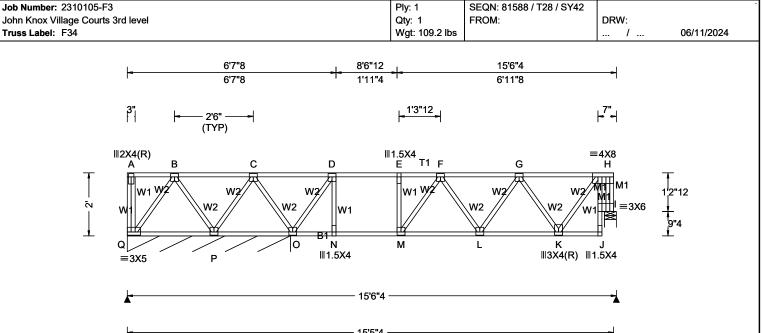
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Py.1 SEON 1918/7 73 75 742		T=	T =======					
Traves Labelet: F33 Wgit. 200.2 bits Page 2 of 2	Job Number: 2310105-F3	Ply: 1	SEQN: 81587	7 / T26 / SY42				
H-AH 10 0 Q-R 10 0 - 76 H-X 22 0 Q-R 0 0 - 76 AH-Z 8 0 P-O 11 - 816	John Knox Village Courts 3rd level	Qty: 4	FROM:			, ,	0/44/0004	
	ITUSS Lauel: FOO	vvgi. 200.2 lbs	Page 2 01 2					
				H - AH 10	0	Q-R	10	0
				H - X 922 ΔH ₋ 7 8	. 0	Q-P P-O	11 -81	/8 18
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Gravity Loc R+ /R- /Rh Q* 196 /- /- I 738 /- /- Q Brg Wid = 62.1 Min R I Brg Wid = 4.5 Min R Bearings Q & I are a rigid st Maximum Top Chord Ford Chords Tens.Comp. C A - B 2 0 E B - C 0 - 374 F C - D 0 - 844 G	Non-Gravity / Rw / U / RL /- /- /- /- /- /- /- leq = - leq = 1.5 urface.
PP Deflection in loc L/defl L/# VERT(LL): 0.119 E 999 480 VERT(TL): 0.190 E 637 360 HORZ(LL): -0.016 H HORZ(TL): 0.027 H Creep Factor: 2.0 Max TC CSI: 0.869 Max BC CSI: 0.781 Max Web CSI: 0.633 Mfg Specified Camber:	PP Deflection in loc L/defl L/# VERT(LL): 0.119 E 999 480 VERT(TL): 0.190 E 637 360 HORZ(LL): -0.016 H I 738 /- - HORZ(TL): 0.027 H Q Brg Wid = 62.1 Min R I Brg Wid = 4.5 Min R Bearings Q & I are a rigid si Max BC CSI: 0.633 Mfg Specified Camber: Max Web CSI: 0.633 Mfg Specified Camber: A - B 2 0 E B - C 0 -374 F

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
Q-P	237	0	M - L	1179	0
P-0	1244	0	L-K	872	0
O - N	1128	0	K - J	63	0
N - M	1134	0			

Maximum Web Forces Per Ply (lbs)

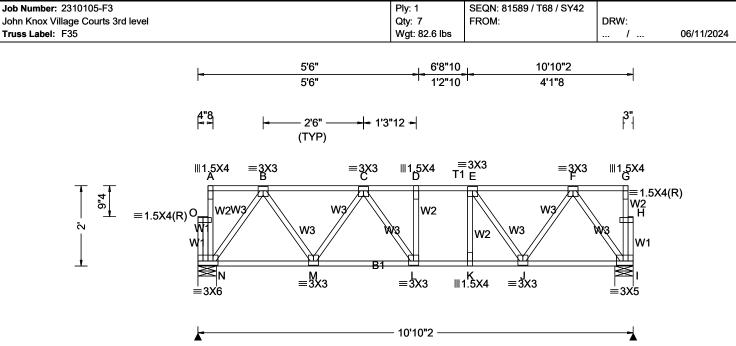
Webs	Tens.Comp.		Webs	Tens. (Comp.
A - Q	0	- 58	M - F	43	- 84
Q-B	0	- 431	F-L	0	- 228
B - P	293	- 20	L-G	326	0
P-C	0	- 534	G-K	0	- 686
C-O	415	0	K - H	725	0
O - D	0	- 624	I - J	11	0
D - N	175	0	I - H	0	- 53
E - M	12	- 51	H - I	12	- 695

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Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. 790 N - M 376 0 0 K-J M - L 769 0 J - I 373 0 L-K 791 0

Maximum Web Forces Per Ply (lbs)

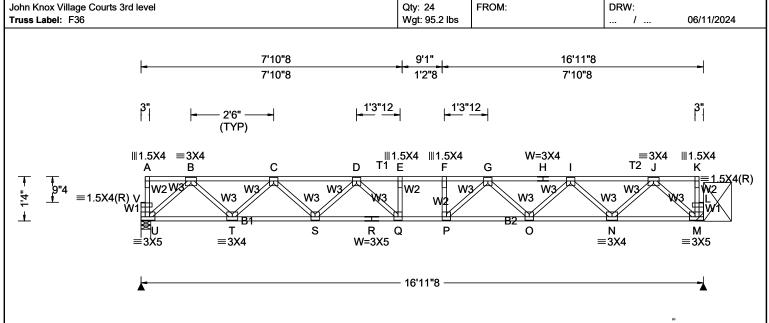
vvebs	rens.Comp.		vvebs	rens. (omp.
O - N	4	- 72	K-E	110	- 33
A - O	0	- 36	E - J	0	- 365
N - B	0	- 657	J-F	387	0
B - M	382	0	F-I	0	-650
M - C	0	- 326	G-H	0	- 38
C-L	173	- 66	I - H	0	- 12
L-D	3	- 85	H - I	0	-43

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Ply: 1

SEQN: 81591 / T3 / SY42

Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 12.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.159 E 999 480 VERT(TL): 0.246 E 807 360 HORZ(LL): 0.029 M HORZ(TL): 0.045 M Creep Factor: 2.0 Max TC CSI: 0.266 Max BC CSI: 0.655 Max Web CSI: 0.347 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	Maximum Reactions (lbs) Gravity Non-Gravity
Lumber				D-E 0-2396 I-J 0-1243 E-F 0-2400 J-K 1 0

Value Set: NDS 2015 Top chord 4x2 SP #2

Job Number: 2310105-F3

Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

E-F 0 - 2400 J-K

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. U - T

720 Q-P 2400 0 P-0 T-S 1738 0 2290 0 O - N 1738 S-R 2290 n n R-Q 2290 n N - M 720 0

Maximum Web Forces Per Ply (lbs)

Webs	s Tens.Comp.		Webs	Tens. (Comp.
V - U	0	- 45	P-G	322	- 64
A - V	0	- 30	G-0	0	- 366
U - B	0	- 979	0-1	402	0
B - T	728	0	I - N	0	- 689
T - C	0	- 689	N - J	728	0
C-S	402	0	J - M	0	- 979
S-D	0	- 366	K-L	0	- 30
D-Q	322	- 64	M - L	0	-9
Q-E	13	- 155	L - M	0	- 36
F-P	13	- 155			

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

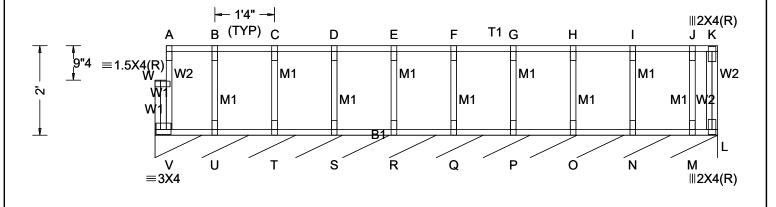
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Job Number: 2310105-F3 Ply: 1 SEQN: 81590 / T27 / SY42 John Knox Village Courts 3rd level FROM: DRW: Qty: 1 Truss Label: FGE1 Wgt: 78.4 lbs 1 ... 06/11/2024





12'6"12

Loading Criteria (psf) TCLL: 55.00	Wind Criteria Wind Std: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	Gra	vity		=PLF lon-Grav	rity
TCDL: 20.00 BCLL: 0.00 BCDL: 10.00	Speed: NA mph Enclosure: NA Category: NA EXP: NA	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.000 I 999 480 VERT(TL): 0.000 I 999 360 HORZ(LL): 0.004 K	L* 111 / L Brg Wid	/- /- d = 150	/- Min Req = -	/ U /-	/ RL /-
Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00	Mean Height: NA ft TCDL: NA psf BCDL: NA psf	Code / Misc Criteria Bldg Code: IBC 2018	HORZ(TL): 0.006 K Creep Factor: 2.0 Max TC CSI: 0.081	Bearing V is Maximum T Chords Ter	Top Chore	d Forces Per	Ply (lbs Tens.	•
Load Duration: 1.00 Spacing: 16.0 "	MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max BC CSI: 0.013 Max Web CSI: 0.033 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	A - B B - C C - D D - E E - F	1 0 1 0 1 0 1 0	G - H H - I I - J	1 1 1 1	0 0 0 0

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity									
Loc R+	/ R-	/ Rh	/Rw	/ U	/ RL				
L Brg	/- Wid = 15 V is a rig	50 Min	/- Req = - ce.	/-	/-				
	m Top C	hord Fo	orces Per	Ply (lb:	s)				
Chords	Tens.Co	omp.	Chords	Tens.	Comp.				
Chords A - B B - C	Tens.Co	0	F-G G-H	Tens. 1 1	0 0				
A - B B - C C - D	Tens.Co 1 1 1	0	F-G G-H H-I	Tens. 1 1 1	0 0 0				
A - B B - C	1 1 1 1 1	0	F-G G-H	Tens. 1 1 1 1	0 0 0 0				

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 1.5X4 except as noted.

Additional Notes

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. C	omp.
V - U	0	- 1	Q-P	0	- 1
U - T	0	- 1	P-0	0	- 1
T-S	0	- 1	O - N	0	- 1
S-R	0	- 1	N - M	0	- 1
R-Q	0	- 1	M - L	0	- 1

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. C	Comp.
W-V	4	- 51	L-K	0	- 16
A - W	0	- 38	K-L	1	0

Maximum Gable Forces Per Ply (lbs)

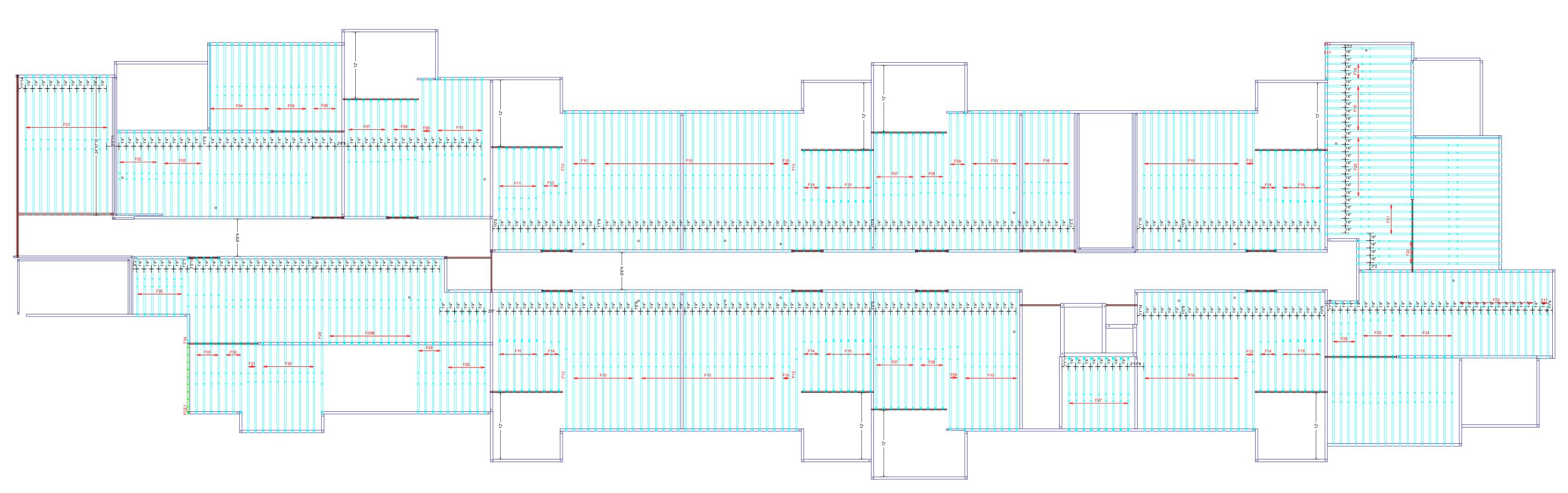
Gables	Tens.Comp.	Gables	Tens. Comp.
B - U	0 - 130	G-P	0 - 134
C - T	0 - 135	H - O	0 -132
D-S	0 - 133	I - N	0 -140
E-R	0 - 133	J - M	0 -106
F-Q	0 - 133		

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JOHN KNOX VILLAGE

4th LEVEL FLOOR TRUSS LAYOUT

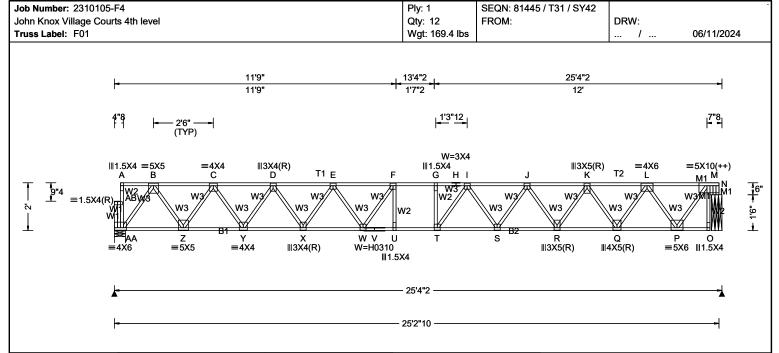
Preserving Properties John Knox Village Courts 2310105-F4 Lon E Ellenburg 1001 NW Chipman JFB

JOB NO:

2310105-F

PAGE NO:

1 OF 1



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١.
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.416 G 711 480	١.
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.643 G 460 360	١.
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.076 B	
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.117 B	١,
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0	
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.906	
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.998	
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.899	١.
opasing. Tota	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:	
	I: NA GCpi: NA	Plate Type(s):	"	ľ
	Wind Duration: NA	WAVE. HS	VIEW Ver: 23.02.04A.0207.10	1

Value Set: NDS 2015

Top chord 4x2 SP #2 T2 4x2 SP #1; Bot chord 4x2 SP #1 Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

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

Max JT VERT DEFL: LL: 0.42" DL: 0.28". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

▲ Maximum Reactions (lbs)

	G	ravity			No	n-Gravi	ty
Loc	R+	/ R-	/ F	₹h	/Rw	/ U	/ RL
AA	1410	/-	/-		/-	/-	/-
N	1418	/-	/-		/-	/-	/-
AA	Brg W	/id = 5.5	- 1	Min Re	q = 1.5		
N	Brg W	/id = 5.2	1	Min Re	q = 1.5		
		AA & N a					

Maximum Top Chord Forces Per Ply (lbs)

Tens.Comp.	Chords	Tens. Comp.	
3 0	G-H	0 -4587	
0 - 1698	H-I	0 -4587	
0 - 2987	l - J	0 -4257	
0 - 3898	J-K	0 - 3569	
0 -4429	K-L	0 - 2516	
0 -4591	L - M	0 - 1026	
	3 0 0 - 1698 0 - 2987 0 - 3898 0 - 4429	3 0 G-H 0-1698 H-I 0-2987 I-J 0-3898 J-K 0-4429 K-L	

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.Comp.		Choras	rens. Co	omp.
AA- Z	942	0	U - T	4591	0
Z - Y	2428	0	T - S	4489	0
Y - X	3525	0	S-R	4002	0
X - W	4249	0	R-Q	3114	0
W - V	4591	0	Q-P	1896	0
V - U	4591	0	P-0	48	0

Maximum Web Forces Per Ply (lbs) Wah

rens.Comp.		vvebs	i ens.	Comp.
4	- 73	T - I	528	- 206
0	- 38	I-S	0	- 479
0	- 1644	S-J	460	0
1362	0	J-R	0	- 780
0	- 1317	R-K	820	0
1008	0	K-Q	0	- 1078
0	- 969	Q-L	1118	0
673	0	L-P	0	- 1569
0	-632	P - M	1653	0
484	0	N - O	8	0
106	- 572	N - M	0	-468
220	- 185	M - N	9	- 1166
46	- 259			
	4 0 0 1362 0 1008 0 673 0 484 106 220	0 -38 0 -1644 1362 0 0 -1317 1008 0 0 -969 673 0 0 -632 484 0 106 -572 220 -185	4 -73 T-I 0 -38 I-S 0 -1644 S-J 1362 0 J-R 0 -1317 R-K 1008 0 K-Q 0 -969 Q-L 673 0 L-P 0 -632 P-M 484 0 N-O 106 -572 N-M 220 -185 M-N	4 -73 T-I 528 0 -38 I-S 0 0 -1644 S-J 460 1362 0 J-R 0 0 -1317 R-K 820 1008 0 K-Q 0 0 -969 Q-L 1118 673 0 L-P 0 0 -632 P-M 1653 484 0 N-O 8 106 -572 N-M 0 220 -185 M-N 9

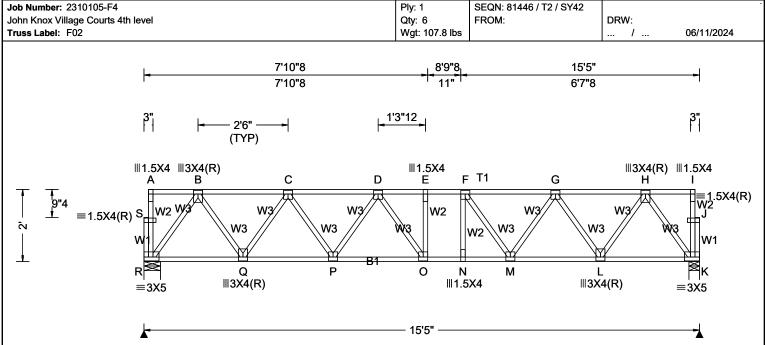
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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



k		15'5"		<u> </u>
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Speed: NA m Enclosure: NA Category: NA EXP: NA Mean Height: TCDL: NA psi BCDL: NA psi BCDL: NA psi C&C Dist a: N Loc. from end I: NA GCpi: Wind Duration	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA NA ft Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) NA Pg: NA Ct: NA CAT: NA Ce: NA Pf: NA Ce: NA Snow Duration: NA Some Duration: NA FT Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/#	K 861 /- /- R Brg Wid = 5.5 Min R K Brg Wid = 3.5 Min R Bearings R & K are a rigid s Maximum Top Chord Ford Chords Tens.Comp. A - B 1 0 E B - C 0 -951 F	Non-Gravity / Rw / U / RL /- /- /- /- leq = 1.5 leq = 1.5 surface.

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
R-Q	559	0	N - M	1694	0
Q-P	1320	0	M - L	1318	0
P-0	1678	0	L-K	560	0
O - N	1695	0			

Maximum Web Forces Per Ply (lbs)

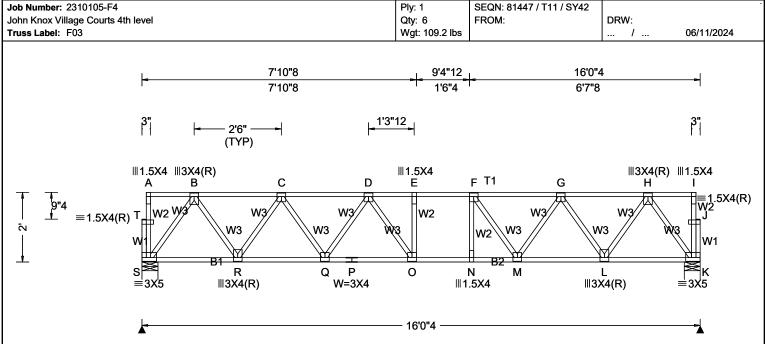
Webs	Tens.Comp.		Webs	Tens. (Comp.
S-R	0	- 59	N - F	138	- 71
A - S	0	- 38	F-M	0	- 397
R-B	0	- 976	M - G	372	0
B - Q	707	0	G-L	0	- 659
Q-C	0	- 664	L-H	706	0
C-P	347	0	H - K	0	-977
P-D	0	- 299	I - J	0	- 39
D - O	229	- 147	K-J	0	- 12
0 - E	45	- 100	J - K	0	- 48

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	,	PP Deflection in loc L/defl L/#	S 895 /- /- /-	= 1.5 ace. Per Ply (lbs) rds Tens. Comp. - 0 -1826 - 0 -1605

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
S-R	583	0	O - N	1826	0
R-Q	1390	0	N - M	1824	0
Q-P	1792	0	M - L	1385	0
P-0	1792	0	L-K	585	0

Maximum Web Forces Per Ply (lbs)

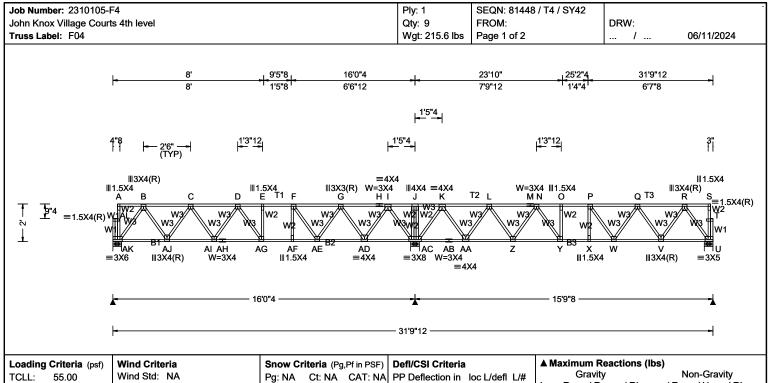
Webs	Tens.Comp.	Webs	Tens. Co	omp.
T-S	0 -58	N-F	168	- 61
A - T	0 -38	F-M	0	-482
S-B	0 - 1017	M - G	424	0
B-R	747 0	G-L	0	- 697
R-C	0 - 707	L-H	745	0
C - Q	390 0	H - K	0 -	1020
Q - D	0 -334	l - J	0	- 39
D - O	285 - 133	K-J	0	- 12
0 - E	24 - 151	J - K	0	- 49

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dura	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft

Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria
Bldg Code: IBC 2018
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

VERT(LL): 0.119 E 999 480 VERT(TL): 0.188 AG 999 360 HORZ(LL): 0.028 B HORZ(TL): 0.046 B Creep Factor: 2.0 Max TC CSI: 0.638 Max BC CSI: 0.851 Max Web CSI: 0.417 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ Maximu	ım Rea	ctions (II	os)		
G	ravity		. No	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ F
AK 850	/-	/-	/-	/-	/-
AC 2013	/-	/-	/-	/-	/-

823 /-AK Brg Wid = 5.5 Min Req = 1.5 AC Brg Wid = 5.5 Min Req = 1.5 Brg Wid = 5.5 Min Req = 1.5 Bearings AK, AC, & U are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

MUANITU	maximum rop onora rorces rerriy (ibs)						
Chords	Tens.C	comp.	Chords	Tens.	Comp.		
A - B	3	0	J-K	1035	0		
B - C	0	- 896	K-L	154	- 466		
C - D	0	- 1415	L - M	0	- 1160		
D-E	0	- 1505	M - N	0	- 1160		
E-F	0	- 1505	N - O	0	- 1501		
F-G	0	- 1215	O-P	0	- 1505		
G-H	225	- 515	P-Q	0	- 1373		
H - I	225	- 515	Q-R	0	-883		
I - J	1035	0	R-S	1	0		

Webs 4x2 SP #3 **Plating Notes**

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
AK-AJ	530	0	AC-AB	12	- 392
AJ-AI	1242	0	AB-AA	12	- 392
Al-AH	1546	0	AA- Z	903	0
AH-AG	1546	0	Z - Y	1396	0
AG-AF	1505	0	Y - X	1505	0
AF-AE	1501	0	X - W	1505	0
AE-AD	944	- 45	W - V	1217	0
AD-AC	65	- 437	V - U	523	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs Tens.		Comp.	
A1 A1/		70	AC 1/		4440	
AL-AK	4	- 73	AC- K	0	- 1149	
A -AL	0	- 37	K -AA	875	0	
AK- B	0	- 930	AA- L	0	- 842	
B -AJ	660	0	L - Z	516	0	
AJ- C	0	- 624	Z - N	0	-489	
C -AI	311	0	N - Y	418	0	
Al- D	11	- 237	Y-0	0	- 208	
D -AG	132	- 292	X - P	89	- 133	
AG- E	101	- 76	P - W	32	- 307	
AF- F	238	0	W - Q	297	0	

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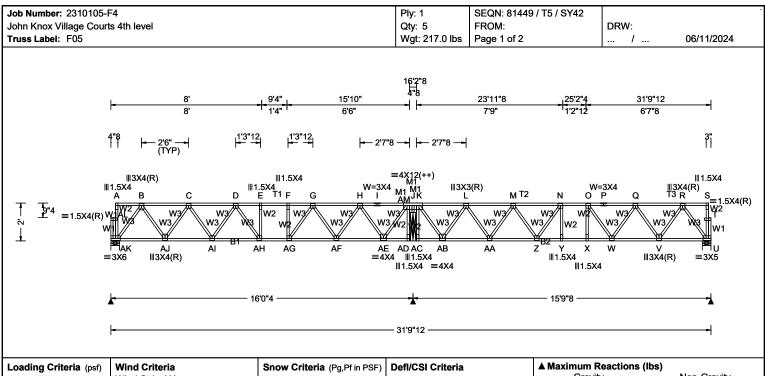
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs

Job Number: 2310105-F4 John Knox Village Courts 4th level	Ply: 1 Qty: 9	SEQN: 81448 FROM:	3 / T4 / SY4	2	DRW:			
Truss Label: F04	Wgt: 215.6 lbs	Page 2 of 2					06/11/20	
			F -AE AE- G	557	-628 0	Q - V V - R	0 648	-603 0
			G -AD AD- I	0 867	- 829	R - U S - T	0 0	- 915 - 41
			I-AC	0	- 1158	U - T	0	- 12
			J -AC	0	- 148	T - U	0	- 50

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Loading Crit	eria (psf)
TCLL: 55	.00
TCDL: 20	.00
BCLL: 0.	00
BCDL: 10	.00
Des Ld: 85	.00
NCBCLL: 0.0	00
Soffit: 0.	00
Load Duratio	n: 1.00
Spacing: 16.0) "

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lt Bearing Leg: 4x2 SP #3;

Webs 4x2 SP #3

Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft

Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria
Bldg Code: IBC 2018
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:12(0)/10(0)
Plate Type(s):
WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.106 E 999 480 VERT(TL): 0.170 E 999 360 HORZ(LL): 0.023 B HORZ(TL): 0.040 AB Creep Factor: 2.0 Max TC CSI: 0.564 Max BC CSI: 0.812 Max Web CSI: 0.449 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

A WAAIIIIU	IIII INGA	cuons (ເມອງ		
G	ravity		No	on-Gra	vity
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
AK 916	/-	/-	/-	/-	/-
AM 1806		/-	/-	/-	/-
U 895	/-	/-	/-	/-	/-
AK Brg W	/id = 5.	5 Min	Req = 1.5	5	
AM Brg W			Req = 1.5		
U Brg W	/id = 5.	5 Min	Req = 1.5	5	
Bearings A	AK, AM	, & U are	e a rigid su	ırface.	
Maximum	Top C	hord Fo	rces Per	Ply (lb	s)
Chords T	ens.Co	mp.	Chords	Tens.	Comp.
J - L	0 -	- 561	I - J	0	- 569
A-B	3	0	L - M	ő	
B-C	-	- 986	M - N	ŏ	- 1721

N - O

0 - P

P-Q

Q-R

R-S

0 - 1781

0 - 1567

0 - 1567

0 - 980

Rt Bearing Leg: 4x2 SP #3; **Plating Notes**

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

0 - 1586

0 - 1796

0 - 1797

0 - 1791

0 - 1347

0 - 569

C-D

D-E

E-F

F-G

G-H

H - I

Chords	Tens.Comp.		Chords	Tens. Co	omp.
AK-AJ	576	0	AB-AA	1042	0
AJ-AI	1374	0	AA-Z	1620	0
Al-AH	1767	0	Z - Y	1783	0
AH-AG	1797	0	Y - X	1781	0
AG-AF	1625	0	X - W	1778	0
AF-AE	1055	0	W - V	1359	0
AE-AD	11	- 15	V - U	575	0
AC-AB	11	- 15			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Ťens.	Comp.
AL-AK	4	- 73	AM-AD	8	0
A -AL	0	- 38	AM- K	0	- 1053
AK- B	0	- 1010	AM-AC	7	0
B -AJ	740	0	AB- L	0	- 867
AJ- C	0	- 699	L -AA	554	0
C -AI	382	0	AA- M	0	- 515
Al- D	0	- 327	M - Z	266	0
D -AH	266	- 145	Z - N	71	- 276
AH- E	55	- 157	N - Y	105	- 173
F -AG	0	- 256	X - O	202	-77

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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"IMPORTANT" FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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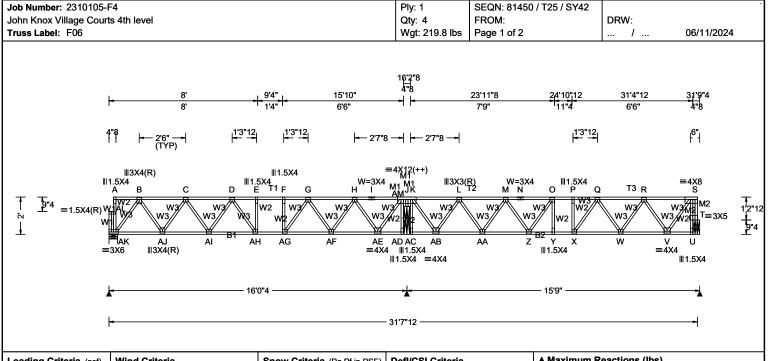
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs

Job Number: 2310105-F4	Ply: 1	SEQN: 8144	9 / T5 / SY	42				
John Knox Village Courts 4th level	Qty: 5	FROM:			DRW:			
Truss Label: F05	Wgt: 217.0 lbs	Page 2 of 2				/	06/11/20	24
	•		AG- G	449	0	O - W	0	- 453
			G -AF	0	- 516	W - Q	396	0
			AF- H	542		Q - V	0	- 683
			H -AE		- 877	V - R	731	0
			AE- J	943		R - U	0	- 1004
			K -AM	8 931		S - T U - T	0	- 39
			K -AB J -AM		0 - 1050	U - 1 T - U	0	- 12 - 49
			J -AW	9	- 1050	1 - 0	U	- 49

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Loading	Criteria (pst)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL	: 0.00
Soffit:	0.00
Load Dur	ation: 1.00
Spacing:	16.0 "

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.106 E 999 480 VERT(TL): 0.170 E 999 360 HORZ(LL): 0.023 B HORZ(TL): 0.039 AB Creep Factor: 2.0 Max TC CSI: 0.560 Max BC CSI: 0.680 Max Web CSI: 0.478 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs)						
Gravity						
Loc R+ /R-	/ Rh	/ Rw	/ U	/ RL		
AK 916 /-	/-	/-	/-	/-		
AM 1798 /-	/-	/-	/-	/-		
T 883 /-	/-	/-	/-	/-		
AK Brg Wid = 5	5.5 Min F	Req = 1.5	5			
AM Brg Wid = 3	3.5 Min F	Req = 1.5	5			
T Brg Wid = 4	.5 Min F	Req = 1.5	5			
Bearings AK, AM	/I, & T are	a rigid su	rface.			
Maximum Top	Chord For	ces Per	Ply (It	s)		

Chords	Tens.Comp.	Chords	Tens. Comp.
J-L	0 - 556	I - J	0 - 569
A - B	3 0	L - M	0 - 1327
B - C	0 - 986	M - N	0 - 1697
C - D	0 - 1586	N - O	0 - 1697
D-E	0 - 1796	O - P	0 - 1754
E-F	0 - 1797	P-Q	0 - 1750
F-G	0 - 1791	Q-R	0 - 1343
G-H	0 - 1348	R-S	0 - 593
H - I	0 - 569		

Lumber Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
AK-AJ	576	0	AB-AA	1032	0
AJ-AI	1374	0	AA-Z	1600	0
Al-AH	1768	0	Z - Y	1756	0
AH-AG	1797	0	Y - X	1754	0
AG-AF	1625	0	X - W	1605	0
AF-AE	1055	0	W - V	1068	0
AE-AD	11	- 15	V - U	48	0
AC-AB	11	- 15			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
AL-AK	4	-73	AM-AD	8	0
AL-AN A -AL	0	- 38	AM- K	0	- 1047
AK-B	-	- 1010	AM-AC	7	0
B-AJ	740	0.0	AB- L	,	- 859
AJ- C	0	- 699	L-AA	545	0
C -AI	382	0	AA- M	0	- 507
Al- D	0	- 327	M - Z	258	0
D -AH	266	- 145	Z - O	66	- 254
AH- E	55	- 157	0 - Y	73	- 146
F -AG	0	- 256	P-X	0	- 177

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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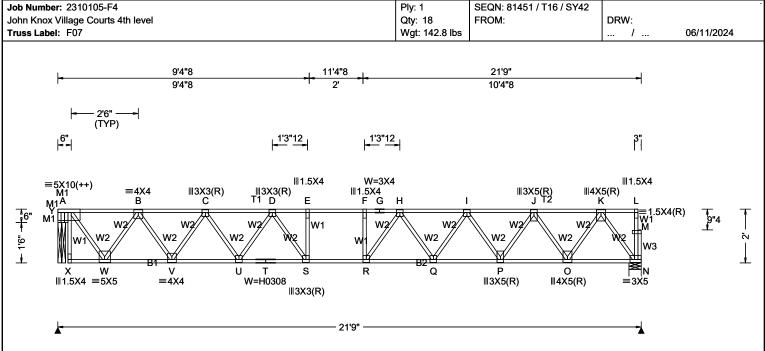
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Job Number: 2310105-F4	Ply: 1	SEQN: 81450) / T25 / S	Y42				
John Knox Village Courts 4th level	Qty: 4	FROM:			DRW:			
Truss Label: F06	Wgt: 219.8 lbs	Page 2 of 2				/	06/11/20	24
		•	AG- G	449	0	X - Q	392	0
			G -AF	0	- 516	Q - W	0	- 471
			AF- H	542	0	W - R	496	0
			H -AE	0	- 877	R - V	0	- 856
			AE- J	944	0	V - S	922	0
			K -AM	8	0	T - U	8	0
			K -AB	922	0	T - S	14	- 37
			J -AM	9	- 1047	S - T	9	- 878

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Loading Criteria (psf)	Wind Criteria Wind Std: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Gravity	(lbs) Non-Grav
TCDL: 20.00	Speed: NA mph	Pf: NA CE: NA CE: NA	VERT(LL): 0.281 F 912 480	Loc R+ /R- /Rh	/Rw /U
BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00	Enclosure: NA Category: NA EXP: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(TL): 0.419 R 611 360 HORZ(LL): 0.057 N HORZ(TL): 0.088 N	N 1220 /- /- Y Brg Wid = 3.5 Min	/- /- /- /- ı Req = 1.5
NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00	Mean Height: NA ft TCDL: NA psf BCDL: NA psf	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014	Creep Factor: 2.0 Max TC CSI: 0.864 Max BC CSI: 0.880	N Brg Wid = 5.5 Min Bearings Y & N are a rigi Maximum Top Chord Fo	
Spacing: 16.0 "	MWFRS Parallel Dist: NA C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.872	Chords Tens.Comp.	Chords Tens.
	Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	FT/RT:12(0)/10(0) Plate Type(s): WAVE, HS	Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	A - B 0 - 883 B - C 0 - 2121 C - D 0 - 2911	G-H 0 H-I 0 I-J 0

Υ	1228	/-	/-	/-	/-	/-
N	1220	/-	/-	/-	/-	/-
Υ	Brg \	Nid = 3	3.5 Mi	n Req = 1.	5	
N	Brg \	Nid = 5	5.5 Mi	n Req = 1.	5	
Bea	arings	Y & N	are a rig	jid surface.		
Ma	ximur	n Top	Chord F	orces Per	Ply (lbs	s)
Cho	ords	Tens C	comp.	Chords	Tens	Comp
			· - · · · · · · ·	0		оор.
A -		0	-883	G-H	0	- 3416
-	В	0	•			<u> </u>
A -	B C	0	-883	G-H	0	- 3416 - 3141
A - B -	B C D	0 0 0	- 883 - 2121	G - H H - I	0 0 0	- 3416 - 3141
A - B - C -	B C D E	0 0 0	- 883 - 2121 - 2911	G - H H - I I - J	0 0 0	- 3416 - 3141 - 2480

Non-Gravity

Lumber

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

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

Max JT VERT DEFL: LL: 0.28" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. C	omp.
X - W	47	0	S-R	3419	0
W-V	1625	0	R-Q	3354	0
V - U	2593	0	Q-P	2895	0
U - T	3217	0	P-0	2046	0
T-S	3217	0	O - N	811	0

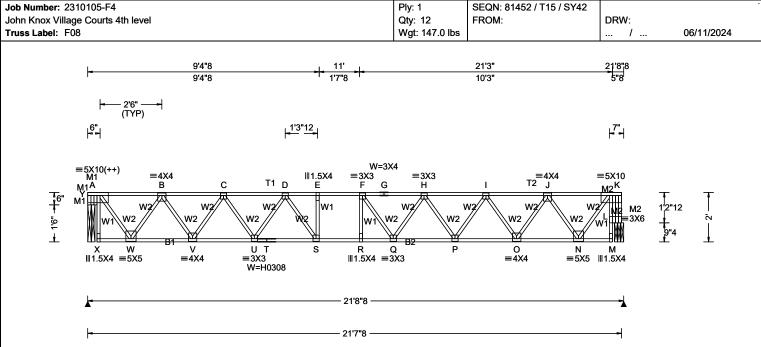
Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - Y	9	- 443	R-H	453	- 195
A - W	1414	0	H-Q	0	-409
Y - A	0	- 988	Q - I	444	0
Y - X	8	0	I-P	0	- 749
W - B	0	- 1338	P-J	782	0
B - V	894	0	J - O	0	- 1090
V - C	0	- 850	0 - K	1136	0
C - U	574	0	K - N	0	- 1415
U - D	0	- 551	L - M	0	- 37
D - S	623	- 28	N - M	0	- 12
S-E	0	- 363	M - N	0	- 47
F-R	68	- 271			

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (II	bs)
TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	, ,	PP Deflection in loc L/defl L/# VERT(LL): 0.284 F 897 480 VERT(TL): 0.437 F 583 360 HORZ(LL): 0.055 M HORZ(TL): 0.085 M Creep Factor: 2.0 Max TC CSI: 0.860 Max BC CSI: 0.904 Max Web CSI: 0.963 Mfg Specified Camber:	Gravity Loc R+ /R- /Rh Y 1220 /- /- L 1220 /- /- Y Brg Wid = 3.5 Min F L Brg Wid = 4.5 Min F Bearings Y & L are a rigid of the second of the	Non-Gravity / Rw / U / RL /- /- /- /- /- /- /- Req = 1.5 Req = 1.5 surface.
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10		H-I 0 -2895
Lumber				D-E 0-3377 I	I-J 0 -2099

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3(R) except as noted.

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

Max JT VERT DEFL: LL: 0.28" DL: 0.19". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Cilolus	rens.comp.	Cilolus	rens. Comp.
A-B B-C	0 -877 0 -2106	F-G G-H	0 - 3315 0 - 3315
C-D	0 - 2885	H-I	0 - 2895
D-E E-F	0 -3377 0 -3383	I - J J - K	0 - 2099 0 - 895

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.Co	mp.	Choras	rens. Co	omp.
X - W	46	0	R-Q	3386	0
W - V	1615	0	Q-P	3198	0
V - U	2572	0	P-0	2573	0
U - T	3190	0	O - N	1602	0
T-S	3190	0	N - M	97	0
S-R	3383	0			

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

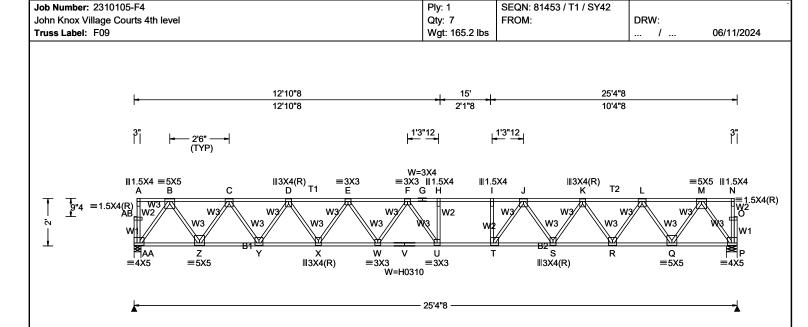
Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
A - Y	9	- 441	F-Q	157	- 396
A - W	1405	0	Q-H	364	0
Y - A	0	- 983	H-P	0	- 546
Y - X	8	0	P-I	582	0
W - B	0	- 1330	I - O	0	- 854
B - V	886	0	O - J	895	0
V - C	0	- 840	J - N	0	- 1275
C - U	565	0	N - K	1350	0
U - D	0	- 549	L - M	8	0
D-S	586	- 36	L-K	0	- 128
S-E	0	- 296	K-L	9	- 1112
R-F	125	- 201			

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SEQN: 81453 / T1 / SY42

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions	(lbs)
TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	, ,	PP Deflection in loc L/defl L/# VERT(LL): 0.437 H 686 480 VERT(TL): 0.637 U 471 360 HORZ(LL): 0.079 B HORZ(TL): 0.122 B Creep Factor: 2.0 Max TC CSI: 0.695 Max BC CSI: 0.945 Max Web CSI: 0.658 Mfg Specified Camber:	Gravity Loc R+ / R- / Rh AA 1425 /- /- P 1425 /- /- AA Brg Wid = 3.5 Mir	Non-Grav Rw
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10	C - D 0 - 3034	J-K 0
Lumber		•	l.	D-E 0-3965	K-L 0
				E-F 0-4531	L - M 0
Value Set: NDS 2015					

Value Set: NDS 2015

Job Number: 2310105-F4

Top chord 4x2 SP #2 T2 4x2 SP 2400f-2.0E; Bot chord 4x2 SP #1 B2 4x2 SP 2400f-2.0E; Webs 4x2 SP #3

Plating Notes

All plates are 4X4 except as noted.

Max JT VERT DEFL: LL: 0.44" DL: 0.31". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

P AA P	Brg \	/- Nid = : Nid = :	5.5 N	/- /- lin Req = 1 lin Req = 1 rigid surfac	.5	/- /-
				Forces Per Chords		•
A - I		1	0	H-I	0	- 4646
B-0	_	ó	- 1721	I - J	0	- 4635
C - I	D	0	- 3034	J - K	0	- 3953
D - I	E	0	- 3965	K-L	0	- 3037
E - I	F	0	- 4531	L - M	0	- 1720
F - (G	0	- 4646	M - N	1	0

Non-Gravity

Maximum Bot Chord Forces Per Ply (lbs)									
Chords	ds Tens.Comp.		Chords	Tens.	Comp.				
۸۸ 7	054	٥	шт	1616	0				

0 - 4646

G-H

T-S 2464 0 4327 0 3582 0 S - R 3583 0 0 R-Q 2463 0 X - W 4332 W-V 4680 0 Q - P 954 0 V - U 4680 0

Maximum Web Forces Per Ply (lbs)

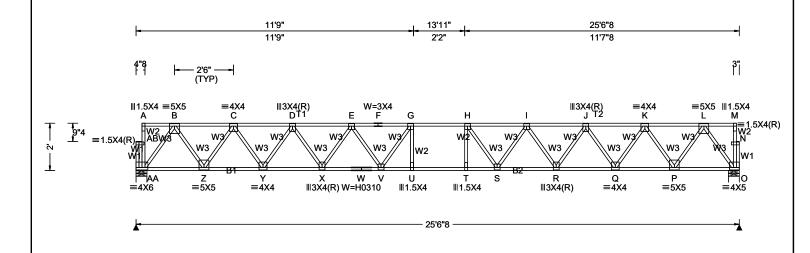
Tens.Comp.		Webs	Tens. Comp.	
0	- 59	I-T	0	- 486
0	- 37	T - J	849	0
0	- 1665	J-S	0	-675
1382	0	S - K	666	0
0	- 1338	K-R	0	- 985
1029	0	R-L	1035	0
0	- 988	L-Q	0	- 1339
690	0	Q - M	1381	0
0	- 661	M - P	0	- 1664
390	0	N - O	0	- 38
0	- 382	P-0	0	- 12
410	- 390	O-P	0	- 47
170	- 249			
	0 0 0 1382 0 1029 0 690 0 390 0	0 -59 0 -37 0 -1665 1382 0 0 -1338 1029 0 0 -988 690 0 0 -661 390 0 0 -382 410 -390	0 - 59	0 -59 I-T 0 0 -37 T-J 849 0 -1665 J-S 0 1382 0 S-K 666 0 -1338 K-R 0 1029 0 R-L 1035 0 -988 L-Q 0 690 0 Q-M 1381 0 -661 M-P 0 390 0 N-O 0 0 -382 P-O 0 410 -390 O-P 0

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Job Number: 2310105-F4 Ply: 1 SEQN: 81454 / T29 / SY42 John Knox Village Courts 4th level FROM: DRW: Qty: 110 Truss Label: F10 Wgt: 168.0 lbs 1 ... 06/11/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)		▲ Maximum Reactions (lbs)
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.363 U 828 480	Loc R+ /R- /Rh /
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.526 G 571 360	AA 1429 /- /- /-
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.065 B	O 1428 /- /- /-
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.100 B	AA Brg Wid = 5.5 Min Req
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0	O Brg Wid = 5.5 Min Req
Soffit: 0.00	TCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.855	Bearings AA & O are a rigid su
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.719	Maximum Top Chord Forces
Spacing: 16.0 "	MWFRS Parallel Dist: NA	Rep Factors Used: Yes	Max Web CSI: 0.660	Chords Tens.Comp. Chor
Spacing. 10.0	C&C Dist a: NA ft Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:	A-B 3 0 G-H
		` ' ` '	I wild obecilied Camber.	1
	I: NA GCpi: NA	Plate Type(s):		B-C 0-1724 H-I
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10	C-D 0-3040 I-J

O Brg \	/- Vid = 5. Vid = 5.	5 Mi	/- /- n Req = 1. n Req = 1. igid surfac	5	/- /-	
Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.						
A - B B - C C - D D - E	0 - 0 -	0 1724 3040 3976	G-H H-I I-J J-K	0 0 0	- 4535 - 3976 - 3040	
E-F F-G	-	4534 4534	K - L L - M	0 1	- 1724 0	

Non-Gravity

/Rw /U

Webs 4x2 SP #3 **Plating Notes**

Value Set: NDS 2015

Lumber

All plates are 3X3 except as noted.

Bot chord 4x2 SP 2400f-2.0E

Top chord 4x2 SP #2 T2 4x2 SP 2400f-2.0E;

Max JT VERT DEFL: LL: 0.36" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Ollorus	16113.00	ilip.	Ollorus	Tella. O	Jilip.
AA- Z	956	0	U-T	4713	0
Z - Y	2468	0	T-S	4712	0
Y - X	3591	0	S-R	4339	0
X - W	4339	0	R-Q	3590	0
W - V	4339	0	Q-P	2468	0
V - U	4712	0	P-0	955	0

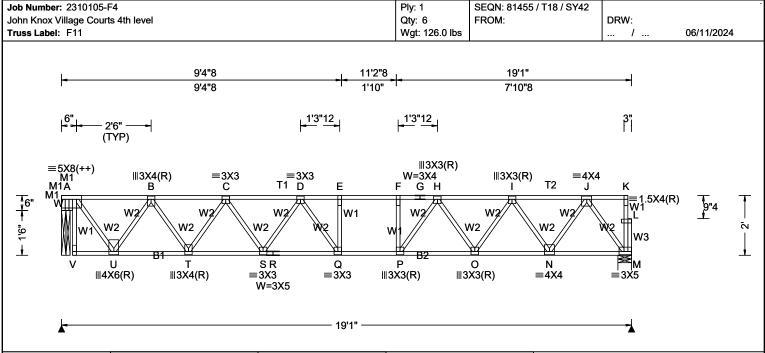
Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens.	Comp.
AB-AA	4	- 73	H-S	108	-641
A -AB	0	- 37	S - I	518	0
AA- B	0 -	- 1667	I-R	0	- 655
B - Z	1385	0	R-J	695	0
Z - C	0	- 1341	J - Q	0	- 993
C - Y	1032	0	Q - K	1031	0
Y - D	0	- 993	K-P	0	- 1341
D - X	695	0	P-L	1385	0
X - E	0	- 654	L-0	0	- 1667
E-V	515	0	M - N	0	- 38
V - G	105	-638	O - N	0	- 12
G-U	262	- 218	N - O	0	- 48
T - H	262	- 218			

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.198 E 999 480 VERT(TL): 0.309 Q 727 360		S) Non-Gravity / Rw / U / RL
BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00	Category: NA EXP: NA EXP: NA Mean Height: NA ft TCDL: NA psf	Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018	HORZ(LL): 0.045 A HORZ(TL): 0.069 A Creep Factor: 2.0 Max TC CSI: 0.765	M Brg Wid = 5.5 Min Re Bearings W & M are a rigid s	
Load Duration: 1.00 Spacing: 16.0 "	MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	Max BC CSI: 0.733 Max Web CSI: 0.777 Mfg Specified Camber:	A - B 0 - 761 F - B - C 0 - 1791 G	- G 0 - 2598 - H 0 - 2598
Lumber	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	C - D 0 - 2393 H D - E 0 - 2604 I - E - F 0 - 2606 J -	J 0 -1237

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 1.5X4 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
V - U	42	0	Q-P	2606	0
U-T	1396	0	P-0	2380	0
T-S	2167	0	O - N	1741	0
S-R	2583	0	N - M	705	0
R-Q	2583	0			

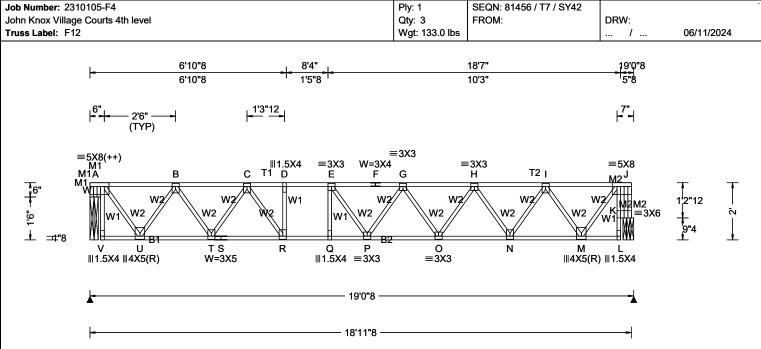
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp	
A - W	8	- 385	F-P	0	- 343
A - U	1217	0	P - H	592	0
W - A	0	- 871	H - O	0	- 569
W - V	7	0	O - I	583	0
U - B	0	- 1144	I - N	0	- 909
B - T	712	0	N - J	959	0
T - C	0	- 678	J - M	0	- 1229
C-S	408	0	K-L	0	- 38
S - D	0	- 341	M - L	0	- 12
D-Q	343	- 199	L - M	0	- 47
Q-E	75	- 208			

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'				'
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.235 E 948 480 VERT(TL): 0.342 E 652 360 HORZ(LL): 0.055 L HORZ(TL): 0.085 L Creep Factor: 2.0 Max TC CSI: 0.997 Max BC CSI: 0.948 Max Web CSI: 0.859 Mfg Specified Camber:	Maximum Reactions (Ibs) Gravity Non-Gravity
Lumber	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	D-E 0-2480 H-I 0-1772 D-E 0-2490 I-J 0-771

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3

Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X4(R) except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Chords	rens.comp.	Chords	rens. Comp.
A - B	0 -762	F-G	0 - 2581
B - C	0 - 1760	G-H	0 -2368
C-D	0 - 2480	H - I	0 - 1772
D-E	0 - 2490	l - J	0 -771
E-F	0 - 2581		

Maximum Bot Chord Forces Per Ply (lbs)

rens.comp.		Cilolus	rens. Comp.	
44	0	Q-P	2497	0
1385	0	P-0	2577	0
2147	0	O - N	2144	0
2147	0	N - M	1375	0
2490	0	M - L	86	0
	1385 2147 2147	1385 0 2147 0 2147 0	1385 0 P - O 2147 0 O - N 2147 0 N - M	1385 0 P - O 2577 2147 0 O - N 2144 2147 0 N - M 1375

Maximum Web Forces Per Ply (lbs)

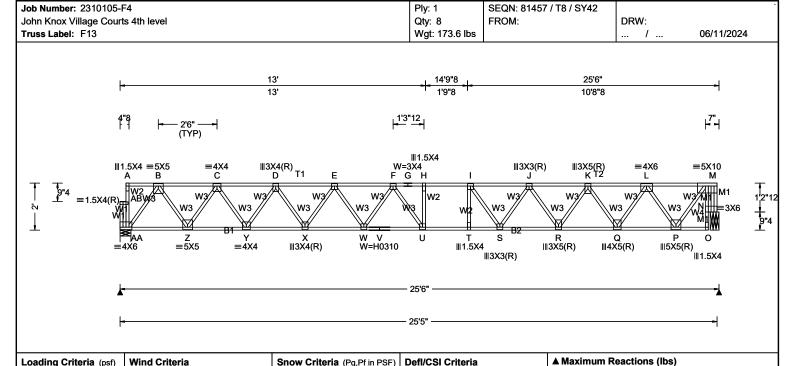
Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - W	8	- 364	P-G	191	- 114
A - U	1213	0	G-0	0	- 377
W - A	0	- 883	O - H	406	0
W - V	7	0	H - N	0	-671
U - B	0	- 1125	N - I	714	0
B - T	675	0	I - M	0	- 1090
T - C	0	- 698	M - J	1158	0
C-R	720	0	K-L	8	0
R-D	0	- 342	K - J	0	- 104
Q-E	17	- 287	J - K	9	-982
E-P	320	- 159			

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TCLL: 55.00 Wind Std: NA		PP Deflection in loc L/defl L/#
BCLL: 0.00 Enclosure: NA	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	VERT(LL): 0.437 H 684 480 VERT(TL): 0.675 H 443 360 HORZ(LL): 0.079 B HORZ(TL): 0.121 B
NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 " Mean Height: NA It TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE. HS	Creep Factor: 2.0 Max TC CSI: 0.923 Max BC CSI: 0.871 Max Web CSI: 0.769 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10

AA 1422 /-/-/-N 1428 /-1-/-AA Brg Wid = 5.5 Min Req = 1.5 N Brg Wid = 4.5 Min Req = 1.5 Bearings AA & N are a rigid surface. **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp. Chords Tens. Comp. G-H 0 -4631

Non-Gravity

/ RL

/Rw /U

Gravity

/ R-

Loc R+

B - C 0 - 1714 H-I 0 -4632 0 -4326 C-D 0 - 3021I - ID-E 0 - 3946J - K 0 - 3619 E-F 0 - 4503 K-L 0 - 2549 F-G 0 - 4631 - 1065 L-M

Plating Notes

Value Set: NDS 2015

Lumber

All plates are 3X3 except as noted.

Top chord 4x2 SP #2 T2 4x2 SP #1; Bot chord 4x2 SP #1 B2 4x2 SP 2400f-2.0E;

Webs 4x2 SP #3 W4 4x2 SP #2; Rt Bearing Leg: 4x2 SP #3;

Deflection

Max JT VERT DEFL: LL: 0.44" DL: 0.29". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chorus	rens.comp.		Chorus	rens. Comp.	
AA- Z	951	0	U-T	4632	0
Z - Y	2454	0	T - S	4627	0
Y - X	3566	0	S-R	4049	0
X - W	4309	0	R-Q	3163	0
W - V	4652	0	Q-P	1914	0
V - U	4652	0	P-0	110	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AB-AA	4	- 73	T - I	326	- 113
A -AB	0	- 37	I-S	0	-773
AA- B	0	- 1659	S-J	613	0
B - Z	1377	0	J-R	0	-774
Z - C	0	- 1333	R-K	822	0
C - Y	1023	0	K-Q	0	- 1107
Y - D	0	- 982	Q-L	1145	0
D - X	685	0	L-P	0	- 1532
X - E	0	- 654	P - M	1615	0
E-W	384	0	N - O	8	0
W-F	0	- 386	N - M	0	- 168
F-U	395	- 360	M - N	9	- 1284
U - H	101	- 202			

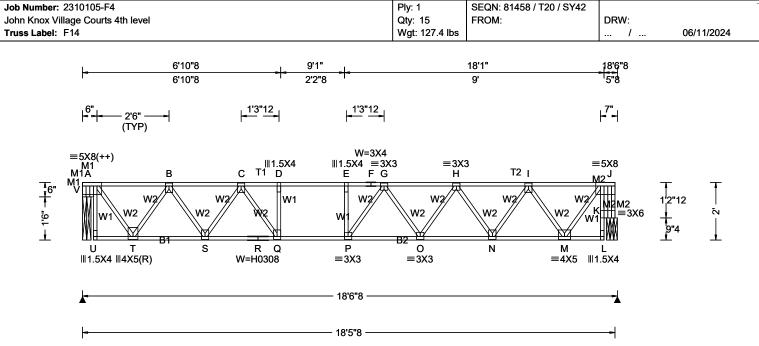
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



-		18'5"8 —		
Coading Criteria (psf)	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.233 E 931 480 VERT(TL): 0.381 P 569 360 HORZ(LL): 0.056 L HORZ(TL): 0.085 L Creep Factor: 2.0 Max TC CSI: 0.764 Max BC CSI: 0.882 Max Web CSI: 0.841 Mfg Specified Camber:	
Lumber	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10	C - D 0 - 2384 H - I 0 - 170 D - E 0 - 2396 I - J 0 - 74

E-F 0 - 2396

Value Set: NDS 2015

Top chord 4x2 SP #1 T2 4x2 SP #2; Bot chord 4x2 SP #2 B2 4x2 SP #1; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X4(R) except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

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

Onorda Terra.Com		nnp.	Onlords	i ciis. O	Jilip.
U-T	40	0	P-0	2430	0
T-S	1344	0	O - N	2071	0
S-R	2061	0	N - M	1331	0
R-Q	2061	0	M - L	85	0
Q - P	2396	0			

Maximum Web Forces Per Ply (lbs)

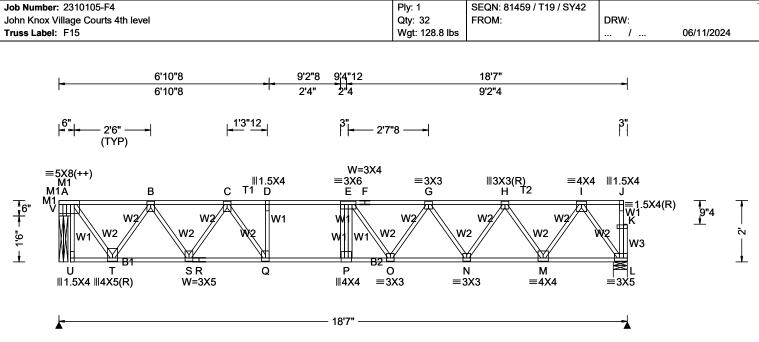
Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - V	9	- 374	P-G	281	- 262
A - T	1179	0	G-0	0	- 296
V - A	0	- 840	O - H	370	0
V - U	8	0	H - N	0	-653
T-B	0	- 1095	N - I	680	0
B - S	641	0	I - M	0	- 1051
S-C	0	- 650	M - J	1122	0
C - Q	739	0	K-L	6	0
Q - D	0	- 435	K-J	0	- 99
E-P	101	- 182	J - K	8	- 959

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_		18'7" ——			
Coading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.216 P 999 480 VERT(TL): 0.365 P 598 360 HORZ(LL): 0.052 L HORZ(TL): 0.080 L Creep Factor: 2.0 Max TC CSI: 0.715 Max BC CSI: 0.638 Max Web CSI: 0.649 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	J	Non-Gravity / Rw / U / RL /- /- /- /- /- /- n Req = 1.5 n Req = 1.5 d surface.
Lumber				D-E 0-2435	I-J 1

Value Set: NDS 2015

Top chord 4x2 SP 2400f-2.0E T2 4x2 SP #1; Bot chord 4x2 SP #2 B2 4x2 SP 2400f-2.0E; Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X4(R) except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

E-F 0 - 2409

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
U-T	35	0	P-0	2439	0
T-S	1356	0	O - N	2303	0
S-R	2086	0	N - M	1678	0
R-Q	2086	0	M - L	686	0
Q-P	2435	0			

Maximum Web Forces Per Ply (lbs)

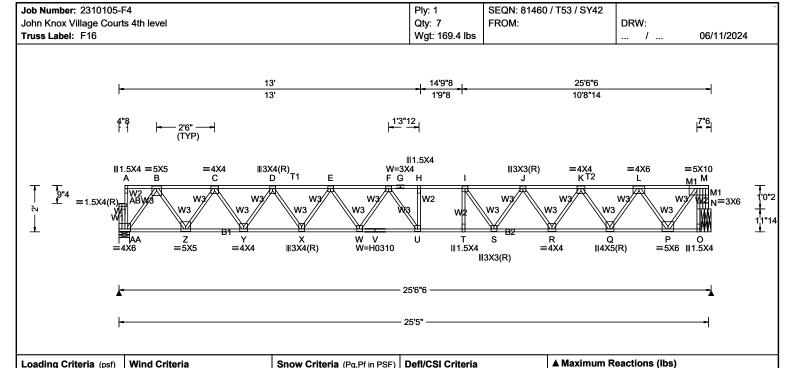
Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - V	9	- 408	E-0	156	- 321
A - T	1194	0	0 - G	312	0
V - A	0	-814	G - N	0	- 550
V - U	8	0	N - H	577	0
T - B	0	- 1108	H - M	0	-870
B - S	647	0	M - I	917	0
S-C	0	- 669	I-L	0	- 1197
C - Q	769	0	J - K	0	- 36
Q - D	0	- 417	L-K	0	- 12
P - E	68	- 229	K-L	0	- 45

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.436 H 685 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.673 H 443 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.078 B
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.121 B
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.927
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.869
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.945
- g	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

Value Set: NDS 2015

Top chord 4x2 SP #2 T2 4x2 SP #1; Bot chord 4x2 SP #1 B2 4x2 SP 2400f-2.0E; Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Deflection

Max JT VERT DEFL: LL: 0.44" DL: 0.29". See detail DEFLCAMB1014 for camber recommendations.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

F-G 0 - 4618 - 1039 L-M

0 - 1712

0 - 3016

0 - 3939

0 - 4494

AA Brg Wid = 5.5 Min Req = 1.5 (Truss) N Brg Wid = 5.2 Min Req = 1.5 (Support) Bearings AA & N are a rigid surface. **Maximum Top Chord Forces Per Ply (lbs)**

Gravity

/ R-

Loc R+

N

B - C

C-D

D-E

E-F

AA 1421 /-

1430 /-

Chords Tens.Comp.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	rens.cc	mp.	Chords	Tens. Co	omp.
AA- Z	950	0	U - T	4619	0
Z - Y	2450	0	T - S	4614	0
Y - X	3560	0	S-R	4033	0
X - W	4301	0	R-Q	3144	0
W - V	4641	0	Q-P	1896	0
V - U	4641	0	P-0	75	0

Non-Gravity

/-

/ RL

/-

Tens. Comp.

0 - 2531

0 -4618

0 -4619 0 -4311

0 - 3602

/Rw /U

/-

/-

Chords

G-H

H-I

I - I

J - K

K-L

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens.	Comp.
AB-AA	4	- 73	T-I	327	- 111
A -AB	0	- 37	I-S	0	- 775
AA- B	0	- 1657	S - J	615	0
B - Z	1375	0	J-R	0	-777
Z - C	0	- 1331	R-K	825	0
C - Y	1021	0	K-Q	0	- 1106
Y - D	0	- 980	Q-L	1144	0
D - X	683	0	L-P	0	- 1546
X - E	0	-652	P - M	1629	0
E-W	383	0	N - O	8	0
W-F	0	- 384	N - M	0	- 227
F-U	392	- 362	M - N	9	- 1232
U - H	102	- 200			

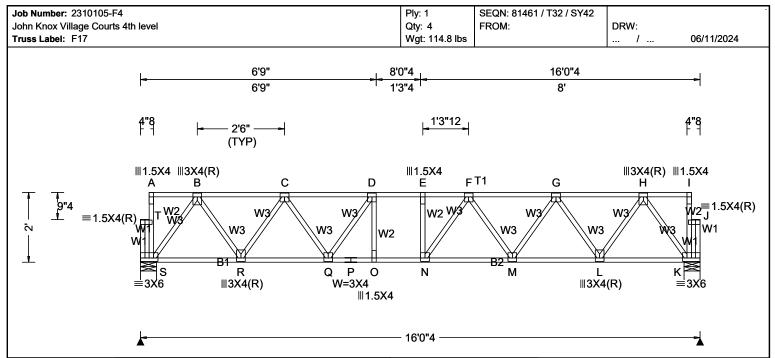
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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



Loading (Criteria (psf)	Wi
TCLL:	. ,	Wi
TCDL:		Sp
BCLL:	0.00	En
BCDL:		Ca
Des Ld:		EX
NCBCLL:		Me
Soffit:		TC
Load Dura		BC MV
Spacing:		C&
opasing.		Loc

nd Criteria nd Std: NA eed: NA mph closure: NA tegory: NA P: NA ean Height: NA ft DL: NA psf DL: NA psf WFRS Parallel Dist: NA C Dist a: NA ft c. from endwall: NA I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.100 E 999 480 VERT(TL): 0.156 N 999 360

HORZ(LL): 0.020 K HORZ(TL): 0.031 K Creep Factor: 2.0 Max TC CSI: 0.526 Max BC CSI: 0.689 Max Web CSI: 0.348 Mfq Specified Camber:

VIEW Ver: 23.02.04A.0207.10

	G	ravity			Non-Gra	ivity
Loc	R+	/ R-	/Rh	/ Rv	v /U	/ RL
s	883	/-	/-	/-	/-	/-
K	883	/-	/-	/-	/-	/-
S	Brg V	Vid = 5.5	Mi	in Req = 1	1.5 (Trus	ss)
K	Brg V	Vid = 5.5	Mi	in Req = 1	1.5 (Trus	ss)
Bea	rings	S & K are	a riç	jid surface	€.	

Maximum Top Chord Forces Per Ply (lbs)

Cilolus	rens.comp.	Chorus	rens. Comp.
A - B	3 0	E-F	0 - 1770
A-B B-C	0 -979	F-G	0 - 1567
C-D D-E	0 - 1566	G-H	0 - 978
D-E	0 - 1771	H - I	3 0

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
S-R	574	0	O - N	1771	0
R-Q	1357	0	N - M	1745	0
Q-P	1769	0	M - L	1361	0
P-0	1769	0	L-K	573	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
T-S	4 - 75	N-F	261	- 140
A - T	0 - 39	F-M	0	- 320
S-B	0 - 1002	M - G	373	0
B-R	729 0	G-L	0	- 689
R-C	0 -682	L-H	730	0
C - Q	402 0	H - K	0	- 1000
Q - D	0 -446	I - J	0	- 38
D - O	156 - 64	K - J	4	- 34
E - N	33 - 130	J - K	0	- 39

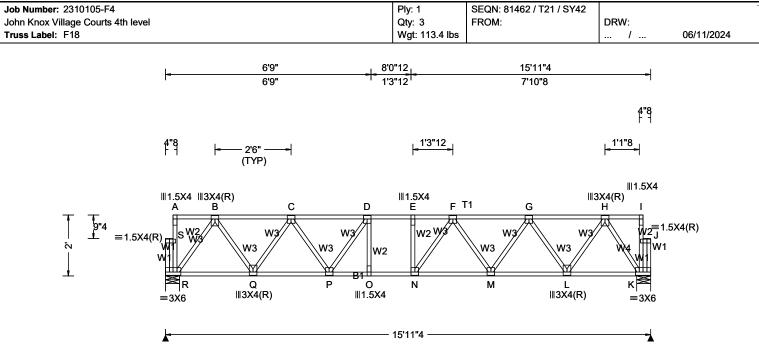
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



	k		— 15'11"4 ———————————————————————————————————	- <u></u>
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/#	Maximum Reactions (lbs) Gravity Non-Gravity
Lumber			-	D-E 0-1753 H-I 3 0

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
R-Q	571	0	N - M	1718	0
Q-P	1347	0	M - L	1321	0
P-0	1752	0	L-K	521	0
O - N	1753	0			

Maximum Web Forces Per Ply (lbs)

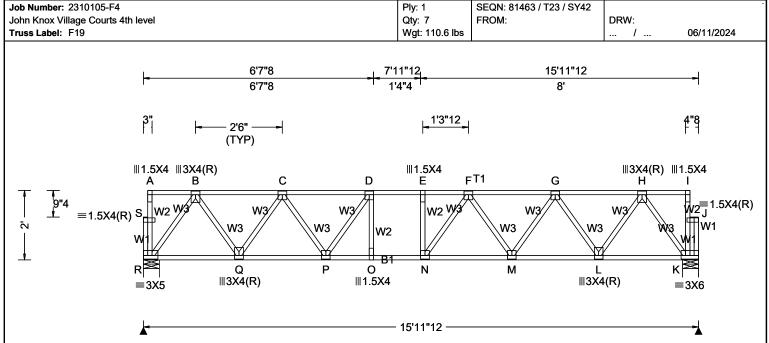
Tens.C	comp.	Webs	Tens. (Comp.
4	- 75	N-F	272	- 127
0	- 39	F-M	0	- 332
0	- 996	M - G	384	0
724	0	G-L	0	- 701
0	- 676	L-H	741	0
397	0	H - K	0	- 975
0	- 440	l - J	0	- 29
152	- 67	K-J	3	- 33
26	- 136	J - K	0	- 31
	4 0 0 724 0 397 0 152	0 - 39 0 - 996 724 0 0 - 676 397 0 0 - 440 152 - 67	4 -75 N-F 0 -39 F-M 0 -996 M-G 724 0 G-L 0 -676 L-H 397 0 H-K 0 -440 I-J 152 -67 K-J	4 -75 N-F 272 0 -39 F-M 0 0 -996 M-G 384 724 0 G-L 0 0 -676 L-H 741 397 0 H-K 0 0 -440 I-J 0 152 -67 K-J 3

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	<u> </u>		— 15'11"12 —		<u> </u>
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/#	K Brg Wid = 5.5 Min F Bearings R & K are a rigid Maximum Top Chord For Chords Tens.Comp. (A - B 1 0 E B - C 0 - 985 F	Non-Gravity / Rw / U / RL /- /- /- /- /- /- /- Req = 1.5 Req = 1.5 surface.
	Willia Baladoli. NA	**/.**	VILVV VCI. 20.02.04A.0207.10		⊔ I 3 0

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
R-Q	578	0	N - M	1760	0
Q-P	1366	0	M - L	1370	0
P-0	1788	0	L-K	576	0
O - N	1789	0			

Maximum Web Forces Per Ply (lbs)

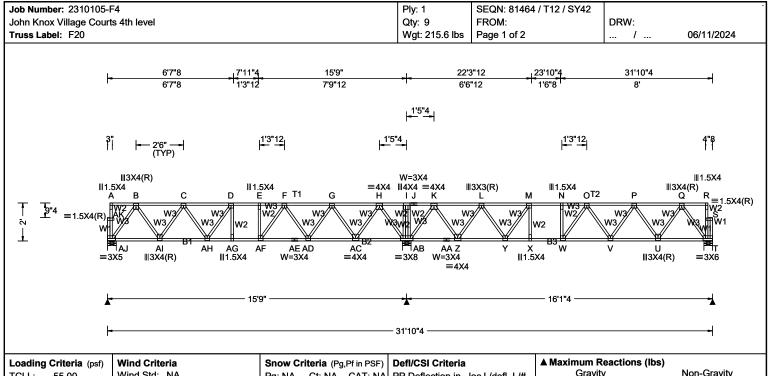
Webs	Tens.Comp.	Webs	Tens. Comp.
S-R	0 -61	N - F	269 - 137
A - S	0 -39	F-M	0 -325
R-B	0 - 1008	M - G	379 0
B - Q	734 0	G-L	0 - 695
Q-C	0 -687	L-H	736 0
C-P	409 0	H - K	0 - 1006
P-D	0 -458	l - J	0 -38
D - O	160 - 63	K-J	4 - 34
E - N	30 - 137	J - K	0 - 39

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.125 N 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.199 W 950 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.026 T
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.041 T
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.652
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.883
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.415
	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10

,	Dell/Col Ciliteria	•
Α	PP Deflection in loc L/defl L/#	١.
	VERT(LL): 0.125 N 999 480	
	VERT(TL): 0.199 W 950 360	,
	HORZ(LL): 0.026 T	,
	HORZ(TL): 0.041 T	-
	Creep Factor: 2.0	1
	Max TC CSI: 0.652	1
	Max BC CSI: 0.883	١.
	Max Web CSI: 0.415	
	Mfg Specified Camber:	!
		(
	VIEW Ver: 23.02.04A.0207.10	,

	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL					
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
AJ	825	/-	/-	/-	/-	/-
AB	2010	/-	/-	/-	/-	/-
Т	857	/-	/-	/-	/-	/-
AJ	Brg W	/id = 5.5	Min	Req = 1.5	5	
AB	Brg W	/id = 5.5	Min	Req = 1.	5	
Т	Brg W	/id = 5.5	Min	Req = 1.5	5	
Bea	rings /	AJ, AB, 8	Tare	a rigid su	rface.	
Max	cimum	Top Ch	ord Fo	rces Per	Ply (lt	s)
Cho	rds T	ens.Con	np.	Chords	Tens.	Comp.

Chords	Tens.Com	ο.	Chords	Tens.	Comp.
A - B	1	0	J-K	1033	0
B - C	0 -88	35	K-L	209	- 531
C-D	0 - 137	78	L - M	0	- 1235
D-E	0 - 151	12	M - N	0	- 1530
E-F	0 - 150	8	N - O	0	- 1530
F-G	0 - 117	78	0 - P	0	- 1433
G-H	145 - 49	93	P-Q	0	- 905
H - I	1033	0	Q-R	3	0
I - J	1033	0			

Plating Notes

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
AJ-AI	525	0	AB-AA	80	- 431
Al-AH	1221	0	AA-Z	80	- 431
AH-AG	1512	0	Z - Y	962	- 29
AG-AF	1512	0	Y - X	1526	0
AF-AE	1410	0	X - W	1530	0
AE-AD	1410	0	W - V	1568	0
AD-AC	925	0	V - U	1256	0
AC-AB	43	- 367	U - T	535	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Tens.Comp.		Ťens.	Comp.
AK-AJ	0	-62	AB- K	0	- 1159
A -AK	0	- 41	K-Z	867	0
AJ- B	0	-917	Z - L	0	-829
B -Al	650	0	L-Y	560	0
AI- C	0	- 605	Y - M	0	-632
C -AH	301	0	M - X	238	0
AH- D	36	- 311	N - W	94	- 81
D -AG	92	- 135	W - O	136	-282
E -AF	0	- 205	0 - V	6	- 244
AF- F	416	0	V - P	319	0

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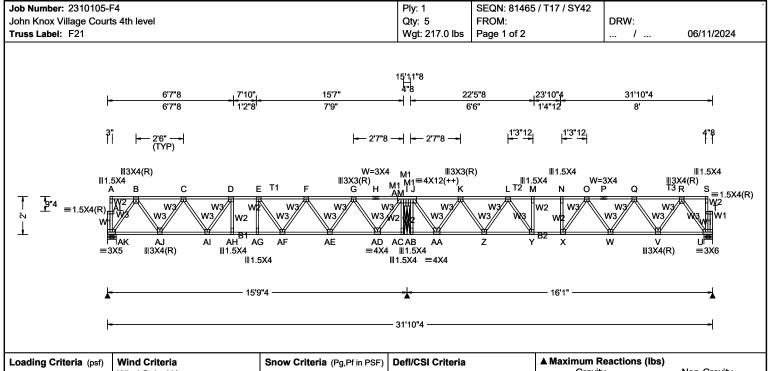
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Job Number: 2310105-F4	Ply: 1	SEQN: 81464	I / T12 / SY42				
John Knox Village Courts 4th level Truss Label: F20	Qty: 9	FROM:		DRW:		06/44/00	24
Truss Label: F20	Wgt: 215.6 lbs	Page 2 of 2	F-AD (0 -486	/ P - U	06/11/20	- 632
			AD- G 513	3 0	U - Q	668	0
			G -AC (AC- H 872	0 -839	Q - T R - S	0 0	- 938 - 37
			H-AB (0 - 1146	T - S	4	- 34
			I-AB	0 - 147	S - T	0	- 39

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Loading C	riteria (psf)					
TCLL:	55.00					
TCDL: 2	20.00					
BCLL:	0.00					
BCDL:	10.00					
Des Ld: 8	35.00					
NCBCLL: (0.00					
Soffit:	0.00					
Load Duration: 1.00						
Spacing: 1	6.0 "					

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.109 N 999 480 VERT(TL): 0.174 N 999 360 HORZ(LL): -0.025 R HORZ(TL): 0.043 R Creep Factor: 2.0 Max TC CSI: 0.564 Max BC CSI: 0.804 Max Web CSI: 0.451 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Gra	vity		NO	n-Gravi	τy
Loc R+ /	R- /	'Rh	/Rw	/ U	/ RL
AK 894 /-	- /	' <u>-</u>	<i>I</i> -	<i>I</i> -	<i>I</i> -
AM 1808 /	- /	<u>'</u> _	/-	/-	/-
U 919 /-	- /	' _	/-	/-	/-
AK Brg Wic	d = 5.5	Min Re	q = 1.5		
AM Brg Wid	1 = 3.5	Min Re	q = 1.5		
U Brg Wid	l = 5.5	Min Re	q = 1.5		
Bearings AK	ζ, ΑΜ, &	U are a r	igid sui	rface.	
Maximum T	op Cho	rd Force	s Per F	ly (lbs)
Chords Ter	ns.Comp	c. Ch	ords	Tens.	Comp.
I-K	0 -57	′1 K-	L	0	- 1355
A-B		0 L-		ō	
B - C	0 -97	'9 M-	· N	0	- 1811

N - O

0 - P

P - Q

Q-R

R-S

0 - 1809

0 - 1596

0

0 - 1596

0 - 991

Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; **Plating Notes**

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

0 - 1564

0 - 1776

0 - 1717

0 - 1339

0 -560

0 - 560

C-D

D-E

E-F

F-G

G-H

H - I

Chords	Tens.C	omp.	Chords	Tens. C	Comp.
AK-AJ	574	0	AB-AA	11	- 15
AJ-AI	1356	0	AA-Z	1060	0
Al-AH	1773	0	Z - Y	1634	0
AH-AG	1776	0	Y - X	1811	0
AG-AF	1778	0	X - W	1779	0
AF-AE	1616	0	W - V	1381	0
AE-AD	1041	0	V - U	578	0
AD-AC	11	- 15			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Ťens.	Comp.
AL-AK	0	-61	AM-AC	7	0
A -AL	0	- 39	AM- J	0	- 1052
AK- B	0	- 1002	AM-AB	8	0
B -AJ	730	0	AA- K	0	- 881
AJ- C	0	- 681	K-Z	546	0
C -AI	394	0	Z - L	0	- 521
Al- D	0	- 450	L-Y	459	0
D -AH	201	- 77	Y - M	0	- 262
AG- E	105	- 173	N - X	53	- 162
E -AF	71	- 274	X - O	273	- 144

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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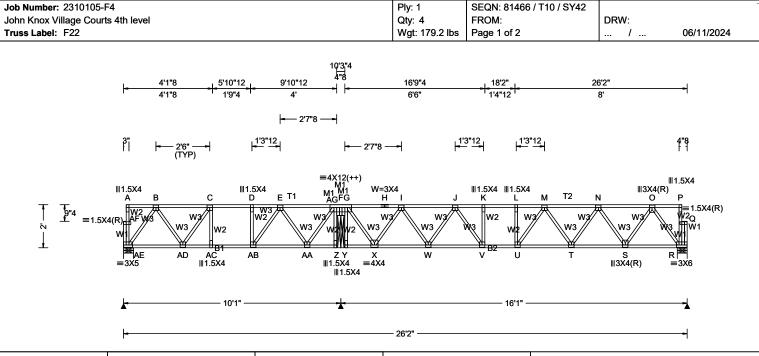
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

lob Number: 2310105-F4	Ply: 1	SEQN: 8146	5 / T17 / SY	42				
lohn Knox Village Courts 4th level	Qty: 5	FROM:			DRW:			
russ Label: F21	Wgt: 217.0 lbs	Page 2 of 2				/	06/11/20	024
	'	•	AF- F	264	0	O - W	0	- 331
			F-AE	0	- 514	W - Q	387	
			AE- G	552		Q - V	0	- 703
			G -AD	0	- 866	V - R	744	0
			AD- I	929	0	R-U	0	- 1014
			I-AM		- 1053	S - T	0	- 38
			J -AM	9	0	U - T	4	- 34
			J -AA	948	0	T - U	0	- 39

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.110 L 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.174 L 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.026 O
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.043 O
NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.577 Max BC CSI: 0.675 Max Web CSI: 0.453 Mfg Specified Camber:
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10
Lumber		•	

▲ Maximum Reactions (lbs) Gravity Non-Gravity R+ / R-/Rw /U / RL Loc AE 570 /-/-/-AG 1488 /_ 1-/_ /-R 920 /-/-/-/-/-AE Brg Wid = 5.5 Min Req = 1.5 AG Brg Wid = 3.5 Min Req = 1.5 R Brg Wid = 5.5 Min Req = 1.5 Bearings AE, AG, & R are a rigid surface. **Maximum Top Chord Forces Per Ply (lbs)** Chords Tens. Comp. Chords Tens.Comp.

F-H 0 -576 0 - 1360 I - IA - B 0 J - K 0 - 1808 B - C 0 - 534 K-L 0 - 1815 C-D 0 -693 L-M 0 - 1813 0 - 689 - 1598 D-E M - N 0 E-F 0 - 314 N - O 0 - 992 0 - 576 0 - P

Plating Notes

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lt Bearing Leg: 4x2 SP #3;

Webs 4x2 SP #3

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum	Bot 0	Chord	Forces	Per Pi	y (lbs)

Cnoras	rens.Comp.		Cnoras	rens. Co	omp.
AE-AD	348	0	X - W	1067	0
AD-AC	693	0	W - V	1639	0
AC-AB	693	0	V - U	1815	0
AB-AA	577	0	U - T	1782	0
AA- Z	7	- 16	T - S	1383	0
Y - X	13	-8	S-R	579	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs	Tens.	Comp.
AF-AE	0	- 56	X - I	0	-885
A -AF	0	- 35	I - W	539	0
AE- B	0	- 609	W - J	0	-513
B -AD	334	0	J - V	456	0
AD- C	0	- 295	V - K	0	- 262
C -AC	70	-62	L - U	50	- 163
D -AB	0	- 185	U - M	275	- 139
AB- E	330	0	M - T	0	- 332
E -AA	0	- 474	T - N	388	0
AA- F	520	0	N - S	0	- 704
G -AG	9	0	S-O	745	0
G - X	952	0	0 - R	0	- 1015
F -AG	14	- 807	P-Q	0	- 38
AG- Z	13	0	R-Q	4	- 34

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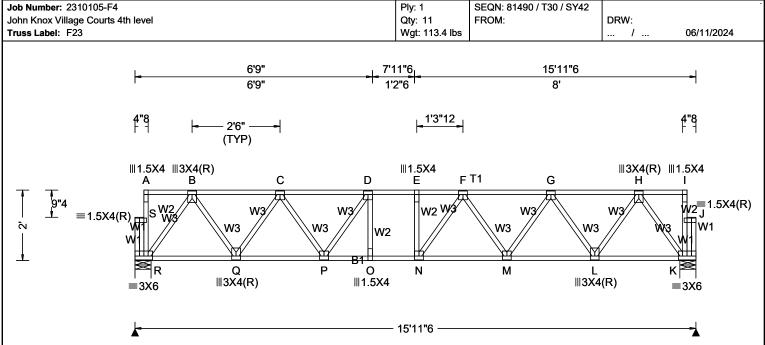
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Job Number: 2310105-F4	Ply: 1	SEQN: 81466	/T10/SY42			
John Knox Village Courts 4th level Truss Label: F22	Qty: 4 Wgt: 179.2 lbs	FROM: Page 2 of 2		DRW:	. /	06/11/2024
	1 3 -	1 3	AG- G	925	Q-R	0 - 39
			AG-Y 8	3 0		
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WING!	LL EDO				
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLU Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refe Component Safety Information, by TPI and SBCA) for safety practices prior to performing the bracing ner RCSL I laless noted otherwise too chord shall have propelly attached structural.	er to and follow the	LLEKO e latest edition o	f BCSI (Building	I		
Component Galety Information, by TFI and GOOA) for Safety practices prior to performing the	cheething and ha	tom chard chall	viue terriporary			

per BCSI. Unless noted otherwise.top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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	k -		— 15'11"6 ————	-
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.098 E 999 480 VERT(TL): 0.149 N 999 360 HORZ(LL): 0.020 K HORZ(TL): 0.031 K Creep Factor: 2.0 Max TC CSI: 0.449 Max BC CSI: 0.468 Max Web CSI: 0.345 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	Maximum Reactions (Ibs) Gravity Non-Gravity

Value Set: NDS 2015

Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)								
Chords	Tens.Co	mp.	Chords	Tens. Co	omp.			
R-Q	571	0	N - M	1731	0			
Q-P	1349	0	M - L	1352	0			
P-0	1754	0	L-K	570	0			
O - N	1755	0						

Maximum Web Forces Per Ply (lbs)

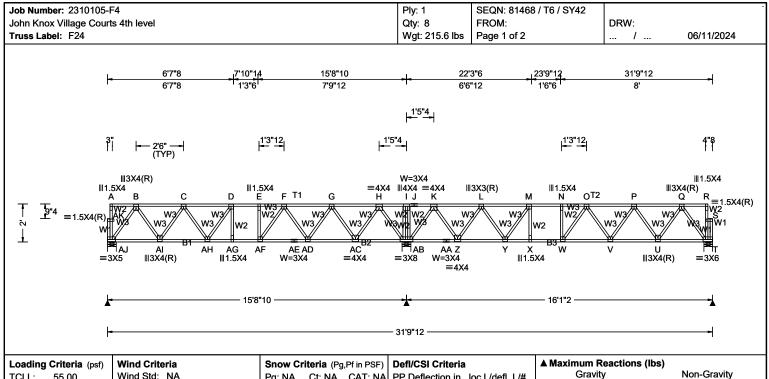
Webs	Tens.C	Comp.	Webs	Tens. (Comp.
S-R	4	- 75	N - F	254	- 141
A - S	0	- 39	F-M	0	-316
R-B	0	- 997	M - G	367	0
B - Q	724	0	G-L	0	- 684
Q-C	0	-677	L - H	726	0
C-P	396	0	H - K	0	- 995
P-D	0	- 436	l - J	0	- 38
D - O	152	- 66	K - J	4	- 34
E - N	36	- 124	J - K	0	- 39

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.124 N 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.198 W 957 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.026 T
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.041 T
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.648
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.878
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.414
- g	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	•
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10

R+ / R-/Rw /U / RL AJ 823 /-/-/-AB 2008 /-/_ 1-/_ /-856 /-/-/-/-/-AJ Brg Wid = 5.5 Min Req = 1.5 AB Brg Wid = 5.5 Min Req = 1.5 Brg Wid = 5.5 Min Req = 1.5 Bearings AJ, AB, & T are a rigid surface. Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1033 A - R J - K n

B - C 0 -882 K-L 209 - 528 C-D 0 - 1372 L - M 0 - 1232 0 - 1504 0 - 1526 D-E M - N - 1526 E-F 0 - 1501N - O 0 F-G 0 - 1173 0 - P 0 - 1430 G - H 149 - 489 P - Q 0 -904 1033 0 Q-R H - I I - J 1033 0

Webs 4x2 SP #3 **Plating Notes**

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens.	Comp.
AJ-AI	523	0	AB-AA	76	-432
Al-AH	1217	0	AA- Z	76	- 432
AH-AG	1505	0	Z - Y	958	- 29
AG-AF	1504	0	Y - X	1522	0
AF-AE	1404	0	X - W	1526	0
AE-AD	1404	0	W - V	1564	0
AD-AC	921	0	V - U	1254	0
AC-AB	40	- 366	U - T	534	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AK-AJ	0	- 62	AB- K	0	- 1158
A -AK	0	- 41	K-Z	866	0
AJ- B	0	- 914	Z - L	0	-828
B -Al	647	0	L-Y	559	0
AI- C	0	-603	Y - M	0	-630
C -AH	299	0	M - X	237	0
AH- D	39	- 309	N - W	94	- 79
D -AG	91	- 135	W - O	134	- 281
E -AF	0	- 202	0 - V	6	- 242
AF- F	413	- 1	V - P	318	0

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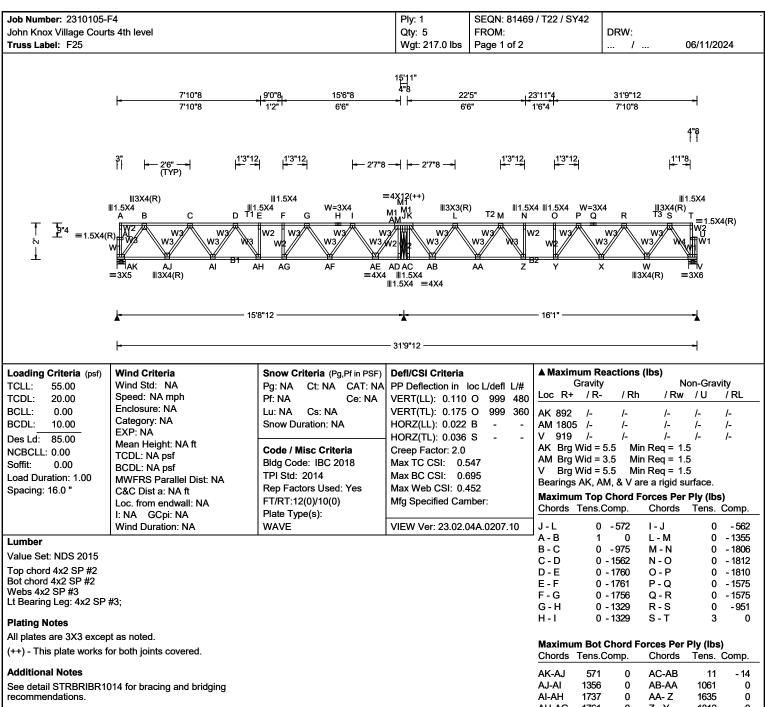
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Job Number: 2310105-F4	Ply: 1	SEQN: 81468	3 / T6 / SY42					
John Knox Village Courts 4th level	Qty: 8	FROM:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	D	RW:			
Truss Label: F24	Wgt: 215.6 lbs	Page 2 of 2					06/11/20	
			F -AD	0 -	484	P - U	0	- 630
			AD- G 5	11 0 -	0 937	U-Q	667 0	0 - 937
			G -AC AC- H 8	70 -	0	Q - T R - S	0	- 37
			H -AB	0 - 1	1144	T - S	4	- 34
			I-AB	0 -	147	S - T	0	- 39

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Truss must be installed as shown with top chord up.

AH-AG 1761 0 Z - Y 1812 0 AG-AF Y - X 1768 1599 0 0 AF-AE 1042 0 **X - W** 1351 0 AE-AD W - V 529

Maximum Web Forces Per Plv (lbs)

maximum rrob i oroco i oi i ij (ibo)								
Webs	Tens.Comp.		Webs	Tens.	Comp.			
AL-AK	0	- 59	AM-AD	8	0			
A -AL	0	- 38	AM- K	0	- 1054			
AK- B	0	- 998	AM-AC	8	0			
B -AJ	728	0	AB- L	0	-882			
AJ- C	0	- 687	L-AA	545	0			
C -AI	370	0	AA- M	0	- 519			
Al- D	0	- 317	M - Z	465	0			
D -AH	249	- 149	Z - N	0	-268			
AH- E	60	- 145	0 - Y	41	- 175			
F -AG	0	- 240	Y-P	292	- 127			
AG- G	425	0	P-X	0	- 348			

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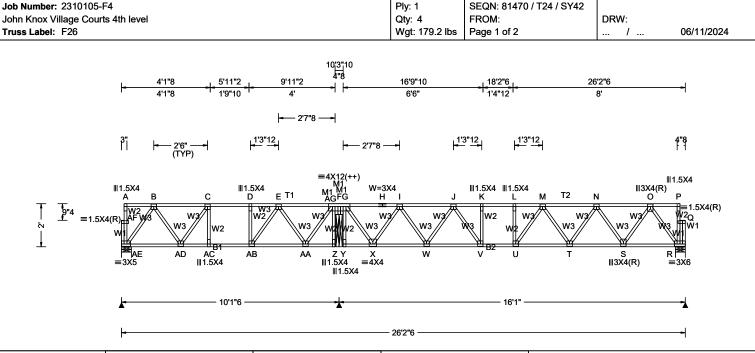
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Job Number: 2310105-F4	Ply: 1	SEQN: 81469	/ T22 / SV	′42 T				
John Knox Village Courts 4th level	Qty: 5	FROM:	1/122/31	42	DRW:			
Truss Label: F25	Wgt: 217.0 lbs	Page 2 of 2				/	. 06/11/202	24
		1 3	G -AF	0	- 503	X-R	404	0
			AF- I	531	0	R-W	0	- 721
			I-AE	0	- 866	W - S	760 0	0
			AE- J	932	0	S - V	0	- 994
			K -AM K -AB	9 948	0	T - U V - U	0	- 29 - 33 - 32
			J -AM	9	- 1049	U - V	3 0	- 32

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SEQN: 81470 / T24 / SY42

Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.110 L 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.174 L 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): -0.027 O
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.044 O
NCBCLL: 0.00	Mean Height: NA ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	TCDL: NA psf BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.577
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.675
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.453
'	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10

T	▲ M	aximı	ım Rea	actions (II	os)				
	Gravity Non-Gravity								
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
	ΑE	571	/-	/-	/-	/-	/-		
	AG	1490	/-	/-	/-	/-	/-		
	R	920	/-	/-	/-	/-	/-		
	ΑE	Brg V	Vid = 5	.5 Min F	Req = 1.5	5			
	AG	Brg V	Vid = 3	.5 Min F	Req = 1.5	5			
	R	Brg V	Vid = 5	.5 Min F	Req = 1.5	5			
	Bea	rings	AE, AG	i, & R are	a rigid su	ırface.			
	Max	cimun	Top (Chord For	ces Per	Ply (lt	s)		
	Cho	ords 7	ens.C	omp. (Chords	Tens	Comp.		

F-H - 576 0 - 1360 0 A - B 0 J - K 0 - 1809 B - C 0 - 536 K-L 0 - 1815 C-D 0 - 697 L-M 0 - 1813 D-E 0 - 693 M - N 0 - 1598 E-F 0 - 316 N - O 0 - 992 - 576 0 - P

Plating Notes

Value Set: NDS 2015

Top chord 4x2 SP #2

Bot chord 4x2 SP #2

Lt Bearing Leg: 4x2 SP #3;

Webs 4x2 SP #3

Lumber

All plates are 3X3 except as noted.

Job Number: 2310105-F4

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum	Bot 0	Chord	Forces	Per Pi	y (lbs)

Cnoras	rens.C	omp.	Cnoras	rens. Co	omp.
AE-AD	350	0	X - W	1067	0
AD-AC	697	0	W - V	1639	0
AC-AB	697	0	V - U	1815	0
AB-AA	580	0	U - T	1782	0
AA- Z	7	- 16	T - S	1383	0
Y - X	13	-8	S-R	579	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AF-AE	0	- 56	X - I	0	-885
A -AF	0	- 35	I - W	539	0
AE- B	0	-611	W - J	0	-513
B -AD	337	0	J - V	456	0
AD- C	0	- 298	V - K	0	- 262
C -AC	70	- 61	L-U	50	- 163
D -AB	0	- 188	U - M	275	- 139
AB- E	333	0	M - T	0	- 332
E-AA	0	- 476	T - N	388	0
AA- F	522	0	N - S	0	- 704
G -AG	9	0	S-O	745	0
G-X	952	0	0 - R	0	- 1015
F -AG	14	- 809	P-Q	0	- 38
AG- Z	13	0	R-Q	4	- 34

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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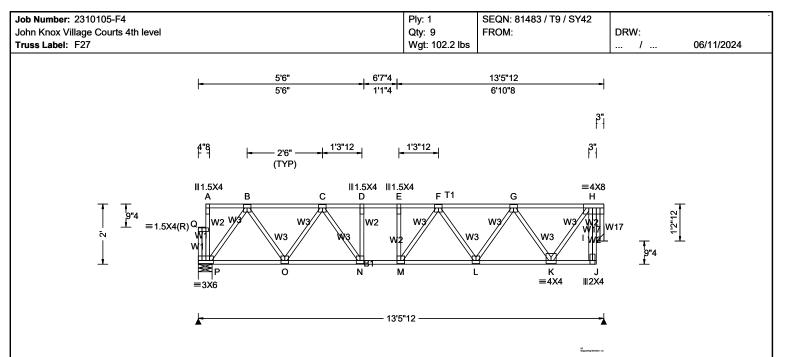
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Job Number: 2310105-F4	Ply: 1	SEQN: 81470) / T24 / SY42				
John Knox Village Courts 4th level Truss Label: F26	Qty: 4 Wgt: 179.2 lbs	FROM: Page 2 of 2		DRW:	1	06/11/202	1
11u33 Lauti. 1 20	vvgt. 178.2 IDS	Faye 2 01 2	AG- G	0 - 926	/ Q - R	06/11/202	- 39
			AG- Y	8 0	Q-IV	O	- 33
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA **IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLU Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refe Component Safety Information, by TPI and SBCA) for safety practices prior to performing th bracing per BCSI. Unless noted otherwise top chord shall have properly attached structural	(WING! IDING THE INSTA	LLERS					
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Reference to performing the component Safety Information, by TPI and SRCA) for safety practices prior to performing the	er to and follow the	latest edition o	of BCSI (Buildin	g			
bracing per RCSI. I loless noted otherwise ton chord shall have properly attached structural	sheathing and ho	tom chord shal	l have a proper	V			

bracing per BCSI. Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	es)
Continue	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0)	PP Deflection in loc L/defl L/# VERT(LL): 0.063 E 999 480 VERT(TL): 0.097 M 999 360 HORZ(LL): 0.011 J HORZ(TL): 0.017 J Creep Factor: 2.0 Max TC CSI: 0.418 Max BC CSI: 0.464 Max Web CSI: 0.347 Mfg Specified Camber:	Cravity	Non-Gravity
	I: NA GCpi: NA Wind Duration: NA	Plate Type(s): WAVE	VIEW Ver: 23.02.04A.0207.10	1 - 0	F-G 0 -1034 G-H 0 -451

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

			ds Tens.Comp. Chords Tens. Co		omp.
P-0	472	0	M - L	1198	0
O - N	1053	0	L-K	838	0
N - M	1214	0	K-J	47	0

Maximum Web Forces Per Ply (lbs)

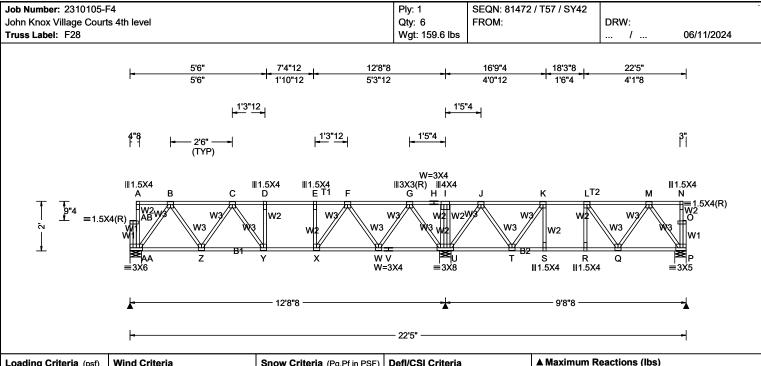
Webs	Tens.Comp.		Webs Tens. Comp.		
Q-P	3	- 70	M - F	197	- 108
A - Q	0	- 35	F-L	0	- 297
P - B	0	- 825	L-G	353	0
B - O	540	0	G-K	0	- 697
O-C	0	- 507	K - H	730	0
C - N	379	0	H - I	0	-722
N - D	0	-216	I - H	0	- 14
E-M	38	- 116	I - J	4	- 1

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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dur	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.058 D 999 480 VERT(TL): 0.106 D 999 360 HORZ(LL): 0.017 B HORZ(TL): 0.032 B Creep Factor: 2.0 Max TC CSI: 0.590 Max BC CSI: 0.468 Max Web CSI: 0.264 Mfg Specified Camber:

VIFW Ver	23.02	044 0207 10	

	G	ravity		N.	on-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
AA	722	/-	/-	/-	/-	/-
U	1333	/-	/-	/-	/-	/-
Р	552	/-	/-	/-	/-	/-
AA	Brg W	/id = 5.5	Min I	Req = 1.5	5	
U	Brg W	/id = 5.5	Min I	Req = 1.	5	
Р	Brg W	/id = 5.5	Min I	Req = 1.	5	
Bea	rings /	₹A, U, &	P are a	rigid surf	face.	
Max	ximum	Top Ch	ord Fo	rces Per	Ply (lb	s)
		-		Chords	• •	•

Chords	Tens.Comp.	Chords	Tens.	Comp.
A - B	3 0	H-I	366	0
B - C	0 -720) I-J	366	0
C - D	0 - 1081	J-K	0	- 501
D-E	0 - 1086	K-L	0	- 658
E-F	0 - 1080	L - M	0	- 508
F-G	0 -681	M - N	1	0
G-H	366 0	1		

Webs 4x2 SP #3 **Plating Notes**

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. C	Comp.
AA- Z	444	0	U - T	331	-51
Z - Y	969	0	T-S	657	0
Y - X	1086	0	S-R	658	0
X - W	947	0	R-Q	657	0
W - V	398	0	Q-P	337	0
V - II	398	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AB-AA	4	-72	I - U	0	- 130
A -AB	0	- 36	U - J	0	-659
AA- B	0	- 779	J - T	400	0
B - Z	498	0	T - K	0	-412
Z - C	0	- 450	K-S	141	- 36
C - Y	291	0	R-L	69	- 109
Y - D	0	- 183	L-Q	0	- 269
E-X	0	- 236	Q - M	310	0
X - F	393	0	M - P	0	- 589
F-W	0	- 535	N - O	0	- 33
W - G	554	0	P-0	0	- 12
G-U	0	- 846	0 - P	0	- 43

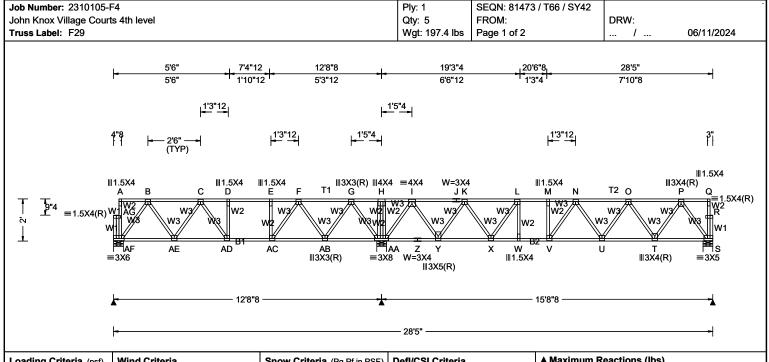
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Loading	Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dur	ation: 1.00
Spacing:	16.0 "

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.104 M 999 480 VERT(TL): 0.161 V 999 360 HORZ(LL): 0.023 S HORZ(TL): 0.037 S Creep Factor: 2.0 Max TC CSI: 0.704 Max BC CSI: 0.748 Max Web CSI: 0.387 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

▲ M	axim	um Reac	tions (lbs)		
	G	avity		· N	on-Gra	vity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
AF	687	/-	/-	/-	/-	/-
AA	1735	/-	/-	/-	/-	/-
S	865	/-	/-	/-	/-	/-
AF	Brg V	Vid = 5.5	Min	Req = 1.	5 (Trus	ss)
AA	Brg V	Vid = 5.5	Min	Req = 1.	5 (Trus	ss)
S	Brg V	Vid = 5.5	Min	Req = 1.	5 (Trus	ss)
Bea	rings	AF, AA, 8	ß S are	a rigid su	rface.	·
Max	cimun	n Top Ch	ord Fo	rces Per	Ply (It	os)

Chords	Tens.C	Comp.	Chords	Tens.	Comp.
A - B	3	0	I - J	0	- 781
B-C	Ö	-675	J-K	Ö	- 781
C-D	0	- 970	K-L	0	- 1411
D-E	0	- 973	L - M	0	- 1645
E-F	0	- 967	M - N	0	- 1644
F-G	60	- 502	N - O	0	- 1492
G-H	694	0	O-P	0	- 939
H - I	694	0	P-Q	1	0

Webs 4x2 SP #3 **Plating Notes**

Lumber

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. Co	omp.
AF-AE	420	0	Y - X	1179	0
AE-AD	898	0	X - W	1642	0
AD-AC	973	0	W - V	1645	0
AC-AB	794	0	V - U	1648	0
AB-AA	197	- 204	U - T	1303	0
AA- Z	364	- 85	T-S	553	0
Z - Y	364	- 85			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens. (Comp.
AG-AF	4	-72	Y - K	0	-777
A -AG	0	- 36	K - X	488	0
AF- B	0	-738	X - L	0	- 547
B -AE	460	0	L - W	203	- 38
AE- C	0	- 402	M - V	81	- 102
C -AD	208	-43	V - N	203	- 242
AD- D	28	- 137	N - U	0	- 281
E-AC	0	- 263	U - O	341	0
AC- F	444	0	O - T	0	- 656
F -AB	0	- 581	T-P	696	0
AB- G	588	0	P-S	0	- 966
G -AA	0	- 879	Q-R	0	- 38

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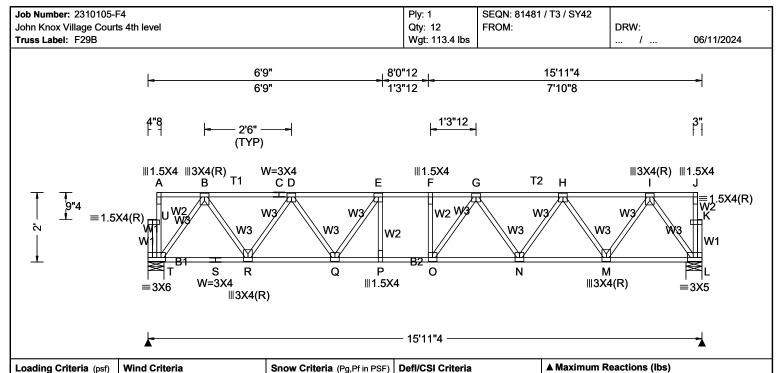
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ob Number: 2310105-F4 ohn Knox Village Courts 4th level russ Label: F29	Ply: 1 Qty: 5 Wgt: 197.4 lbs	FROM:	3 / T66 / SY42	DRW:	/	06/11/202	24
	,		H -AA AA- I I - Y 81	0 - 134 0 - 1101	S - R R - S	0	- 12 - 47
			1-1 0	3 0			
WARNING READ AND FOLLOW AI **IMPORTANT** FURNISH THIS DRAWING TO ALL sses require extreme care in fabricating, handling, shipping, in:	LL NOTES ON THIS DRAWING!	LL EDO					

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(F)			
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.102 F 999 480
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.160 F 999 360
BCDL: 10.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.020 L
Des Ld: 85.00	EXP: NA		HORZ(TL): 0.031 L
NCBCLL: 0.00	Mean Height: NA ft TCDL: NA psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 0.00	BCDL: NA psf	Bldg Code: IBC 2018	Max TC CSI: 0.553
Load Duration: 1.00	MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.703
Spacing: 16.0 "	C&C Dist a: NA ft	Rep Factors Used: Yes	Max Web CSI: 0.349
' '	Loc. from endwall: NA	FT/RT:12(0)/10(0)	Mfg Specified Camber:
	I: NA GCpi: NA	Plate Type(s):	
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10

▲ N	laxim	ium Rea	ctions	(lbs)		
	(Gravity		N	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Т	885	/-	/-	/-	/-	/-
L	884	/-	/-	/-	/-	/-
Т	Brg	Wid = 5.	5 Mir	n Req = 1.	5 (Trus	ss)
L Bea	•			n Req = 1. d surface.	5 (Trus	ss)
Max	kimu	m Top C	hord F	orces Per	Ply (lb	s)
Cho	ords	Tens.Co	mp.	Chords	Tens.	Comp.
Α-	В	3	0	F-G	C	- 1779
В-	С	0	- 982	G-H	C	- 1574
C-	D	0	- 082	H-I	•	- 982

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. Co	omp.
T-S	576	0	P-0	1780	0
S-R	576	0	O - N	1753	0
R-Q	1361	0	N - M	1366	0
Q-P	1778	0	M - L	575	0

Maximum Web Forces Per Ply (lbs)

0 - 1572

0 - 1780

D-E

E-F

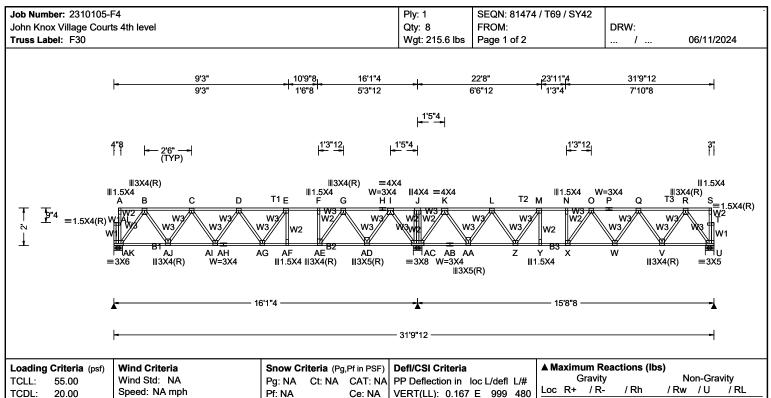
vvebs	rens.c	omp.	vvebs	rens.	Comp.
U - T	4	- 75	0 - G	265	- 139
A - U	0	- 39	G - N	0	- 322
T - B	0	- 1005	N - H	375	0
B-R	732	0	H - M	0	-692
R-D	0	- 684	M - I	733	0
D - Q	406	0	I-L	0	- 1003
Q-E	0	- 452	J - K	0	- 38
E-P	158	- 64	L-K	0	- 12
F-0	32	- 133	K-L	0	- 47

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Loading	Criteria (pst)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL	: 0.00
Soffit:	0.00
Load Du	ration: 1.00
Spacing:	16.0 "

Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

VERT(TL): 0.260 E 729 360 HORZ(LL): 0.037 B HORZ(TL): 0.058 B Creep Factor: 2.0 Max TC CSI: 0.855 Max BC CSI: 0.874 Max Web CSI: 0.386 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Loc R+	/ R-	/ Rh	/Rw	/Ū	/ RL
AK 896	/-	/-	/-	/-	/-
AC 1913	/-	/-	/-	/-	/-
U 855	/-	/-	/-	/-	/-
AK Brg V	Vid = 5.5	Min Re	eq = 1.5	5	
AC Brg V	Vid = 5.5	Min Re	eq = 1.5	5	
U Brg V	Vid = 5.5	Min Re	eq = 1.5	5	
Bearings A	AK, AC,	& U are a	rigid su	rface.	

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

A - B	3 0	J-K	698	0
B - C	0 - 959	K-L	0	- 711
C - D	0 - 1534	L - M	0	- 1357
D-E	0 - 1713	M - N	0	- 1600
E-F	0 - 1591	N - O	0	- 1600
F-G	0 - 1580	O - P	0	- 1465
G-H	46 - 784	P-Q	0	- 1465
H - I	46 - 784	Q-R	0	- 925
I - J	698 0	R-S	1	0

Webs 4x2 SP #3

Value Set: NDS 2015 Top chord 4x2 SP #2

Lumber

Plating Notes All plates are 3X3 except as noted.

Bot chord 4x2 SP #2 B2 4x2 SP #1;

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. C	Comp.
AK-AJ	564	0	AC-AB	290	- 44
AJ-AI	1327	0	AB-AA	290	- 44
Al-AH	1727	0	AA-Z	1116	0
AH-AG	1727	0	Z - Y	1597	0
AG-AF	1599	0	Y - X	1600	0
AF-AE	1591	0	X - W	1614	0
AE-AD	1219	0	W - V	1282	0
AD-AC	373	- 225	V - U	546	0

Maximum Web Forces Per Ply (lbs)

Tens.C	Comp.	Webs	Ťens.	Comp.
4	-71	AC- K	0	- 1099
0	- 36	K -AA	811	0
0	- 989	AA- L	0	- 778
712	0	L - Z	490	0
0	- 664	Z - M	0	- 535
373	0	M - Y	197	- 30
0	- 347	N - X	75	- 93
95	- 134	X - O	183	-230
358	- 19	O - W	0	- 268
0	- 311	W - Q	330	0
	4 0 0 712 0 373 0 95 358	0 -36 0 -989 712 0 0 -664 373 0 0 -347 95 -134 358 -19	4 -71 AC-K 0 -36 K-AA 0 -989 AA-L 712 0 L-Z 0 -664 Z-M 373 0 M-Y 0 -347 N-X 95 -134 X-O 358 -19 O-W	4 -71 AC-K 0 0 -36 K-AA 811 0 -989 AA-L 0 712 0 L-Z 490 0 -664 Z-M 0 373 0 M-Y 197 0 -347 N-X 75 95 -134 X-O 183 358 -19 O-W 0

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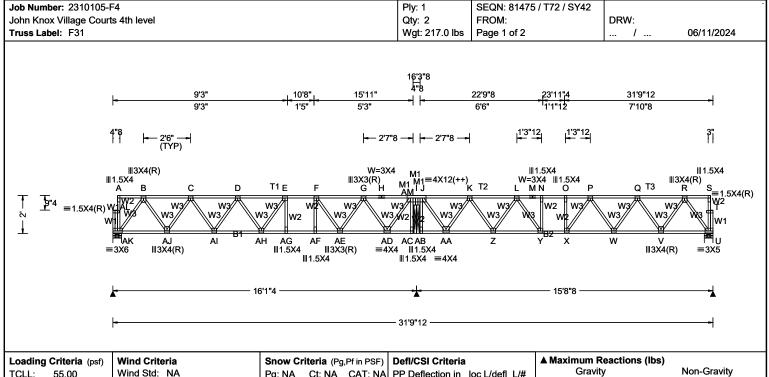
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Job Number: 2310105-F4	Ply: 1	SEON: 81474	1 / T69 / SY42				
John Knox Village Courts 4th level	Qty: 8	FROM:	., 100/0142	DRW:			
Truss Label: F30	Wgt: 215.6 lbs	Page 2 of 2			/	06/11/20	24
			F-AE (- 360	Q - V	0	- 644
			AE- G 766 G - AD (6 0 0 -839	V - R R - II	684 0	0 - 953
			AD- I 781	1 0	R - U S - T	0	- 37
			I-AC (- 1087	U - T	0	- 12
			J -AC (- 135	T - U	0	- 47

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Loading (Criteria	(psf)
TCLL:	55.00	
TCDL:	20.00	
BCLL:	0.00	
BCDL:	10.00	
Des Ld:	85.00	
NCBCLL:	0.00	
Soffit:	0.00	
Load Dura	ation: 1.0	00
Spacing:	16.0 "	

Value Set: NDS 2015 Top chord 4x2 SP #2

Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA

I: NA GCpi: NA

Wind Duration: NA

Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.140 E 999 480 VERT(TL): 0.224 E 846 360 HORZ(LL): 0.030 B HORZ(TL): 0.048 B Creep Factor: 2.0 Max TC CSI: 0.686 Max BC CSI: 0.882 Max Web CSI: 0.450 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

AM 1805	/- /-	/-	/-	/-
U 891	/- /-	/-	/-	/-
AK Brg V	Vid = 5.5 M	lin Req = 1.	5	
AM Brg V	Vid = 3.5 M	lin Req = 1.	5	
U Brg V	Vid = 5.5 M	lin Req = 1.	5	
Bearings	AK, AM, & U a	are a rigid s	urface.	
Maximun	Top Chord	Forces Per	Plv (lbs	:)
	Tens.Comp.			•
I-K	0 - 561	K-L	0	- 1327
A-R			•	- 1751
A-B B-C	3 0	L - M	Ŏ	
B - C	3 0 0 -993	L - M M - N	0	- 1751
B-C C-D	3 0 0 -993 0 -1600	L - M M - N N - O	0 0 0	- 1751 - 1757
B-C C-D D-E	3 0 0 -993 0 -1600 0 -1815	L - M M - N N - O O - P	0	- 1751 - 1757 - 1756
B-C C-D	3 0 0 -993 0 -1600	L - M M - N N - O	0 0 0 0	- 1751 - 1757 - 1756 - 1558

/Rw

/U

/-

R+

AK 920

H-I

/ R-

Plating Notes

Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Lumber

All plates are 3X3 except as noted.

Bot chord 4x2 SP #1 B2 4x2 SP #2;

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

- 572

Chords	Tens.C	omp.	Chords	Tens. C	Comp.
AK-AJ	581	0	AB-AA	11	- 15
AJ-AI	1378	0	AA-Z	1041	0
Al-AH	1806	0	Z - Y	1596	0
AH-AG	1740	0	Y - X	1757	0
AG-AF	1733	0	X - W	1733	0
AF-AE	1724	0	W - V	1354	0
AE-AD	1053	0	V - U	570	0
AD-AC	13	- 14			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
AL-AK	4	-72	AM-AC	6	0
A -AL	0	- 36	AM- J	0	- 1042
AK- B	0	- 1018	AM-AB	8	0
B -AJ	742	0	AA- K	0	- 865
AJ- C	0	- 695	K-Z	530	0
C -AI	400	0	Z - L	0	- 502
Al- D	0	- 372	L-Y	422	0
D -AH	153	- 77	Y - N	0	- 238
AH- E	274	- 114	O - X	60	- 143
E -AG	6	- 299	X - P	246	- 150

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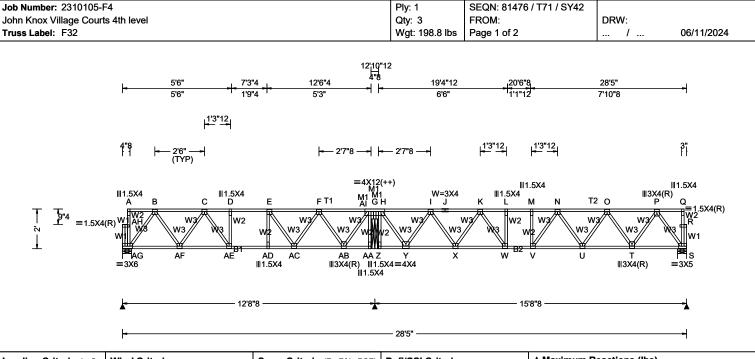
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs

Job Number: 2310105-F4	Ply: 1	SEQN: 8147	5 / T72 / SY	42				
John Knox Village Courts 4th level	Qty: 2	FROM:			DRW:			
Truss Label: F31	Wgt: 217.0 lbs	Page 2 of 2				/	06/11/20	24
			AF- F	329		P-W	0	- 316
			F-AE		- 690	W - Q	369	0
			AE- G	578		Q - V	0	- 685
			G -AD		- 868	V - R	727	0
			AD- I	945	0	R - U	0	- 996
			I-AM		- 1060	S-T	0	- 38
			J -AM	9		U - T T - U	0 0	- 12
			J -AA	930	0	1 - 0	U	- 47

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 55.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in Id
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.100
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(TL): 0.160
BCDL: 10.00	Category: NA EXP: NA	Snow Duration: NA	HORZ(LL): -0.027
Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00	Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes	HORZ(TL): 0.046 Creep Factor: 2.0 Max TC CSI: 0.50 Max BC CSI: 0.60 Max Web CSI: 0.44
Spacing: 16.0 "	C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA	FT/RT:12(0)/10(0) Plate Type(s):	Mfg Specified Cam
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.0-

F)	Defl/CSI Criteria
lΑ	PP Deflection in loc L/defl L/#
١.	VERT(LL): 0.100 M 999 480
	VERT(TL): 0.160 M 999 360
	HORZ(LL): -0.027 P
	HORZ(TL): 0.046 P
	Creep Factor: 2.0
	Max TC CSI: 0.564
	Max BC CSI: 0.602
	Max Web CSI: 0.444
	Mfg Specified Camber:
	VIEW Ver: 23.02.04A.0207.10

	▲ Maximum Reactions (lbs)								
		G	Gravity		No	Non-Gravity			
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
)	AG	727	/-	/-	/-	/-	/-		
	ΑI	1614	/-	/-	/-	/-	/-		
	S	891	/-	/-	/-	/-	/-		
	AG	Brg \	Vid = 5.5	Min l	Req = 1.5	5			
	ΑI	Brg \	Vid = 3.5	Min l	Req = 1.5	5			
	S	Brg \	Vid = 5.5	Min l	Req = 1.5	5			
	Bea	rings	AG, AI, 8	&Sare a	a rigid sur	face.			
	Max	cimun	n Top Cl	nord Fo	rces Per	Ply (lt	os)		

	Tens.Comp.		Tens. Comp.
G-I	0 - 564	J-K	0 - 1330
A - B	3 0	K-L	0 - 1753
B - C	0 - 726	L - M	0 - 1759
C - D	0 - 1103	M - N	0 - 1758
D-E	0 - 1107	N - O	0 - 1560
E-F	0 - 959	0 - P	0 - 974
F-G	0 -426	P-Q	1 0
I - J	0 - 1330		

Plating Notes

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3;

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
AG-AF	447	0	Y - X	1045	0
AF-AE	982	0	X - W	1599	0
AE-AD	1107	0	W - V	1759	0
AD-AC	1107	0	V - U	1735	0
AC-AB	786	0	U - T	1355	0
AB-AA	8	- 15	T - S	571	0
Z - Y	12	- 11			

Maximum Web Forces Per Ply (lbs)

muximum vvcb i orocs i ci i iy (ibs)								
Webs	Tens.Comp.		Webs Tens.		Comp.			
AH-AG	4	- 71	Al- Z	8	0			
A -AH	0	- 35	Y - I	0	- 867			
AG- B	0	- 785	I - X	526	0			
B -AF	503	0	X - K	0	-498			
AF- C	0	-462	K-W	421	0			
C -AE	340	0	W - L	0	-238			
AE- D	0	- 187	M - V	59	- 144			
AD- E	99	- 73	V - N	248	- 147			
E -AC	0	- 360	N - U	0	-316			
AC- F	342	0	U - O	370	0			
F -AB	0	- 650	0 - T	0	- 686			
AB- G	706	0	T-P	727	0			

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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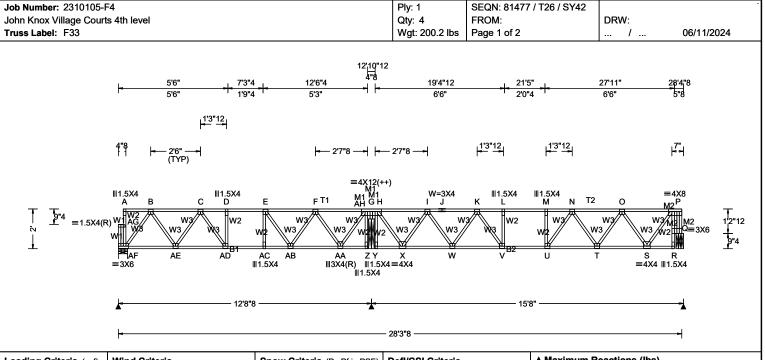
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Job Number: 2310105-F4	Ply: 1	SEON: 81476	6 / T71 / SY42				
John Knox Village Courts 4th level	Qty: 3	FROM:	77 1717 0142	DRV	V:		
Truss Label: F32	Wgt: 198.8 lbs	Page 2 of 2			/	06/11/20	
			G -AI	9 -90	4 P-S	0	- 997
			H -AI H - Y 9 AI-AA	9 33	0 Q-R 0 S-R 0 R-S	0 0 0	- 38 - 12
			AI-AA	8	0 S-R 0 R-S	0	- 12 - 47
			Al- H	0 -97	5		
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WING!						

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Loading (Criteria (psf)
TCLL:	55.00
TCDL:	20.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	85.00
NCBCLL:	0.00
Soffit:	0.00
Load Dura	ation: 1.00
Spacing:	16.0 "
I	

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3 Lt Bearing Leg: 4x2 SP #3; Rt Bearing Leg: 4x2 SP #3;

Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft

Loc. from endwall: NA I: NA GCpi: NA

Wind Duration: NA

Snow Criteria (Pg,Pf in PSF) Ct: NA CAT: NA Pg: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.106 M 999 480 VERT(TL): 0.182 M 999 360 HORZ(LL): -0.027 P HORZ(TL): 0.046 P Creep Factor: 2.0 Max TC CSI: 0.743 Max BC CSI: 0.667 Max Web CSI: 0.726 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

•	Maximum	Reactions	(lhs)	
_	axa		(
Cravity				

Glavity				Non-Gravity			
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
	727	/-	/-	/-	/-	/-	
AH	1607	/-	/-	/-	/-	/-	
Q	884	/-	/-	/-	/-	/-	
AF	Brg W	id = 5.5	Min Re	q = 1.5			
AH	Brg W	id = 3.5	Min Re	q = 1.5			
Q	Brg W	' id = 4.5	Min Re	q = 1.5			
Bea	rings A	NF, AH, 8	k Q are a ı	igid suı	face.		

Non-Gravity

Maximum Top Chord Forces Per Ply (lbs)

Ciloius	rens.comp.	Ciloius	rens. Comp.
G-I	0 - 557	I - J	0 -1316
A - B	3 0	J-K	0 - 1316
B - C	0 - 726	K-L	0 - 1722
C-D	0 - 1103	L - M	0 - 1728
D-E	0 - 1108	M - N	0 - 1723
E-F	0 - 959	N - O	0 - 1357
F-G	0 -426	0 - P	0 -615

Plating Notes

Lumber

All plates are 3X3 except as noted.

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

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Co	omp.
AF-AE	447	0	X - W	1034	0
AE-AD	982	0	W - V	1576	0
AD-AC	1108	0	V - U	1728	0
AC-AB	1107	0	U - T	1599	0
AB-AA	786	0	T-S	1090	0
AA- Z	8	- 16	S-R	73	0
Y - X	12	- 11			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
AG-AF	4	-71	AH- H	0	- 969
A -AG	0	- 35	AH- Y	9	0
AF- B	0	- 785	X - I	0	-860
B -AE	503	0	I - W	520	0
AE- C	0	- 462	W - K	0	-483
C -AD	341	0	K-V	446	0
AD- D	0	- 187	V - L	0	- 267
AC- E	99	- 73	M - U	0	- 248
E -AB	0	- 360	U - N	407	-7
AB- F	342	0	N - T	0	-436
F -AA	0	- 650	T - O	481	0
AA- G	706	0	0 - S	0	- 857
G -AH	9	- 902	S - P	917	0

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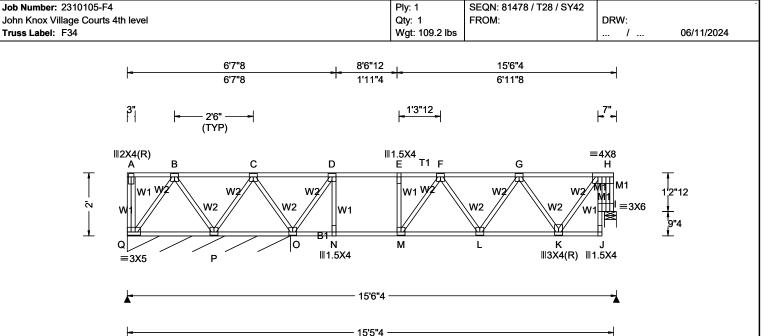
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

Job Number: 2310105-F4	Ply: 1	SEON: 91/17	7 / T26 / SY42				
John Knox Village Courts 4th level	Qty: 4	FROM:	1120/3142	DRW:			
Truss Label: F33	Wgt: 200.2 lbs	Page 2 of 2			/ 0		
			H -AH 10 H - X 922 AH- Z 8	0	Q-R	10 0 11	0
			H - X 922 AH- Z 8	2 0 3 0	Q - P P - Q	0 11	- 78 - 818
			711-2	0	1 - Q		-010
WARNING READ AND FOLLOW ALL NOTES ON THIS DRA	WING!						
IMPOPTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLU	IDING THE INSTA	LLEDS					

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	-	15'5"	4 ————	-	
Loading Criteria (psf) TCLL: 55.00 TCDL: 20.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 85.00 NCBCLL: 0.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 16.0 "	Wind Criteria Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA Wind Duration: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/#	I Brg Wid = 4.5 Min F Bearings Q & I are a rigid s Maximum Top Chord For Chords Tens.Comp. (A - B 2 0 E B - C 0 - 374 F	Non-Gravity / Rw / U / RL /- /- /- /- /- /- /- Req = - Req = 1.5 surface.

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2

Bot chord 4x2 SP #2 Webs 4x2 SP #3 Rt Bearing Leg: 4x2 SP #3;

Plating Notes

All plates are 3X3 except as noted.

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

Chords	Tens.Comp.	Chords	Tens. Comp.		
A - B	2 0	E-F	0 -1133		
B - C	0 - 374	F-G	0 - 1053		
C - D	0 -844	G-H	0 -492		
D-F	0 - 1134				

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
Q-P	237	0	M - L	1179	0
P-0	1244	0	L-K	872	0
O - N	1128	0	K-J	63	0
N - M	1134	0			

Maximum Web Forces Per Ply (lbs)

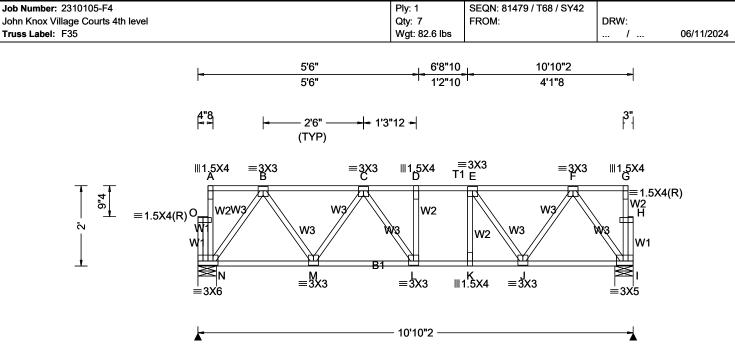
Webs	Tens.Comp.		Webs	Tens. (Comp.
A - Q	0	- 58	M - F	43	- 84
Q-B	0	- 431	F-L	0	- 228
B - P	293	- 20	L-G	326	0
P-C	0	- 534	G-K	0	- 686
C-O	415	0	K - H	725	0
O - D	0	- 624	I - J	11	0
D - N	175	0	I - H	0	- 53
E - M	12	- 51	H - I	12	- 695

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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	_			
Loading Criteria (psf) TCLL: 55.00	Wind Criteria Wind Std: NA	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (Ibs) Gravity Non-Gravity
TCDL: 20.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.037 D 999 480	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00 BCDL: 10.00	Enclosure: NA Category: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(TL): 0.068 D 999 360 HORZ(LL): 0.011 B	N 597 /- /- /- /- /- /-
Des Ld: 85.00	EXP: NA Mean Height: NA ft		HORZ(TL): 0.020 B	N Brg Wid = 5.5 Min Req = 1.5
NCBCLL: 0.00 Soffit: 0.00	TCDL: NA psf	Code / Misc Criteria Bldg Code: IBC 2018	Creep Factor: 2.0 Max TC CSI: 0.397	I Brg Wid = 5.5 Min Req = 1.5 Bearings N & I are a rigid surface.
Load Duration: 1.00	BCDL: NA psf MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.435	Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
Spacing: 16.0 "	C&C Dist a: NA ft Loc. from endwall: NA	Rep Factors Used: Yes FT/RT:12(0)/10(0)	Max Web CSI: 0.184 Mfg Specified Camber:	A-B 3 0 D-E 0 -791
	I: NA GCpi: NA	Plate Type(s):		B-C 0 -588 E-F 0 -587
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	C-D 0 -790 F-G 1 0

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

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

N - M	376	0	K-J	790	0
M - L	769	0	J - I	373	0
L-K	791	0			

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.		vvebs	rens. (omp.
O - N	4	- 72	K-E	110	- 33
A - O	0	- 36	E - J	0	- 365
N - B	0	- 657	J-F	387	0
B - M	382	0	F-I	0	-650
M - C	0	- 326	G-H	0	- 38
C-L	173	- 66	I - H	0	- 12
L - D	3	- 85	H - I	0	-43

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

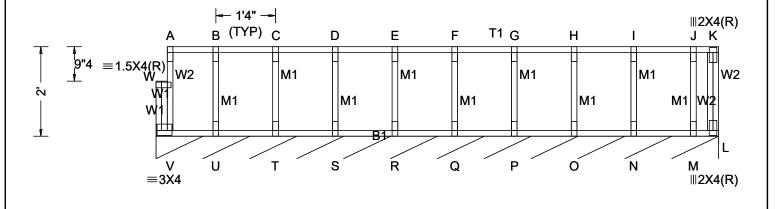
***WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Job Number: 2310105-F4 Ply: 1 SEQN: 81480 / T27 / SY42 John Knox Village Courts 4th level FROM: DRW: Qty: 1 Truss Label: FGE1 Wgt: 78.4 lbs 1 ... 06/11/2024





12'6"12

Loading Criteria (psf)	Wind Criteria Wind Std: NA	Snow Criteria (Pg,Pf in PSF)		▲ Maximum Reactions Gravity	(lbs), or *=PLF Non-Gravity	v
TCLL: 55.00 TCDL: 20.00	Speed: NA mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.000 I 999 480	Loc R+ /R- /Rh	-	/ RL
BCLL: 0.00 BCDL: 10.00	Enclosure: NA Category: NA	Lu: NA Cs: NA Snow Duration: NA	VERT(TL): 0.000 I 999 360 HORZ(LL): 0.004 K	L* 111 /- /- L Bra Wid = 150 Mir		/-
Des Ld: 85.00	EXP: NA Mean Height: NA ft		HORZ(TL): 0.006 K	Bearing V is a rigid surfa		
NCBCLL: 0.00 Soffit: 0.00	TCDL: NA psf	Code / Misc Criteria Bldg Code: IBC 2018	Creep Factor: 2.0 Max TC CSI: 0.081	Maximum Top Chord F Chords Tens.Comp.	orces Per Ply (lbs) Chords Tens. C	
Load Duration: 1.00	BCDL: NA psf MWFRS Parallel Dist: NA	TPI Std: 2014	Max BC CSI: 0.013	A - B 1 0	F-G 1	0
Spacing: 16.0 "	C&C Dist a: NA ft Loc. from endwall: NA	Rep Factors Used: Yes FT/RT:20(0)/10(0)	Max Web CSI: 0.033 Mfg Specified Camber:	B-C 1 0 C-D 1 0	G-H 1 H-I 1	0
	I: NA GCpi: NA	Plate Type(s):		D-E 1 0	I-J 1	0
	Wind Duration: NA	WAVE	VIEW Ver: 23.02.04A.0207.10	E-F 1 0	J-K 1	0

Lumber

Value Set: NDS 2015 Top chord 4x2 SP #2 Bot chord 4x2 SP #2 Webs 4x2 SP #3

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building

Fasten rated sheathing to one face of this frame.

Plating Notes

All plates are 1.5X4 except as noted.

Additional Notes

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	Tens.Comp.		Tens. Comp.	
V - U	0	- 1	Q-P	0	- 1
U - T	0	-1	P-0	0	-1
T-S	0	- 1	O - N	0	-1
S-R	0	- 1	N - M	0	-1
R-Q	0	- 1	M - L	0	- 1

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. C	Comp.
W - V	4	- 51	L-K	0	- 16
A - W	0	- 38	K-L	1	0

Maximum Gable Forces Per Ply (lbs)

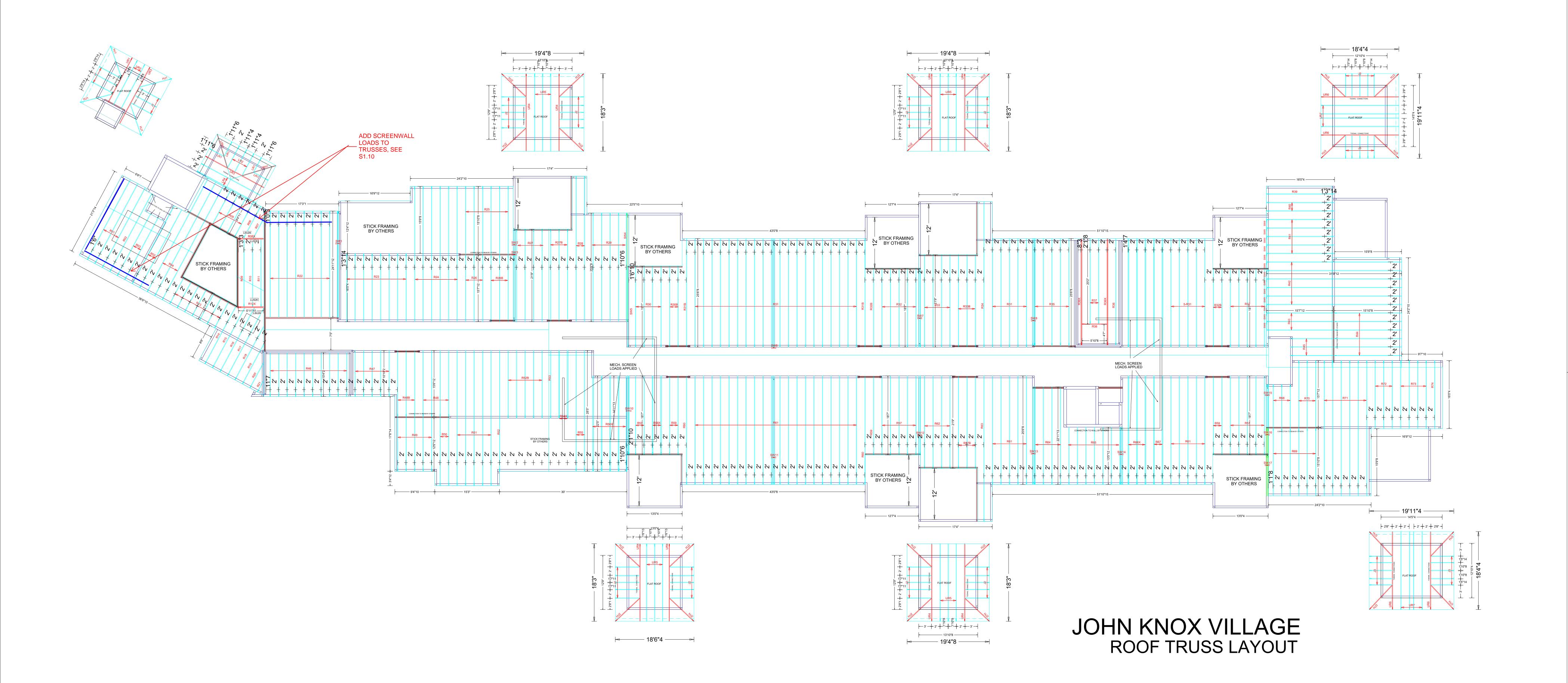
Gables Tens.Comp.		Gables	Tens. Comp.
B - U	0 - 130	G-P	0 - 134
C - T	0 - 135	H - O	0 -132
D-S	0 - 133	I - N	0 -140
E-R	0 - 133	J - M	0 -106
F-O	0 - 133		

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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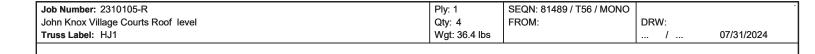
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Preserving Properties John Knox Village Courts 2310105-R Lon E Ellenburg 1001 NW Chipman JEB

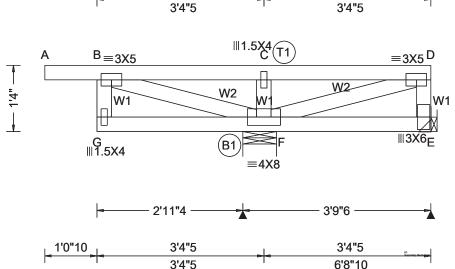
JOB NO: 2310105-R

PAGE NO: 1 OF 1



6'8"10

3'4"5



		0 + 0	00 10	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00 " /	Wind Std: ASCE 7-16	Pa: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.071 G 569 36	0 Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.128 G 314 24	0 F 1414 /- /- /497 /235 /-
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.016 B -	E 22 /-477 /- /79 /89 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.029 B	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 50.92 ft	Code / Misc Criteria	Creep Factor: 2.0	F Brg Wid = 8.1 Min Req = 1.7 (Truss)
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.886	E Brg Wid = - Min Req = -
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.222	Bearing F is a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMa0xalAkeb CSI: 0.442	Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Anv	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		A - B
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	B - C 1617 -533

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate L)ur.⊦ac.=1.2	(5)
TC: From	90 plf at	-1.05 to	90 plf at	6.72
BC: From	4 plf at	-1.05 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	6.72
TC: 200 lb	Conc. Load	at -1.05		

Hangers / Ties

(J) Hanger Support Required, by others

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

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

End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

Negative reaction(s) of -477# MAX. from a non-wind load case requires uplift connection. See Maximum

Truss must be installed as shown with top chord up.

Bearing F is a rigid surface.							
Maximum Top Chord Forces Per Ply (lbs)							
Chords Tens.Comp. Chords Tens. Comp.					_		
0 1617	0 - 533	C - D	1617	- 533			
	m Top Tens.C	m Top Chord I Tens.Comp.	m Top Chord Forces Per Tens.Comp. Chords 0 0 C - D	m Top Chord Forces Per Ply (lbs Tens.Comp. Chords Tens. (0 0 C - D 1617	m Top Chord Forces Per Ply (lbs) Tens.Comp. Chords Tens. Comp. 0 0 C - D 1617 -533		

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. - 31 - 11

Maximum Web Forces Per Ply (lbs)

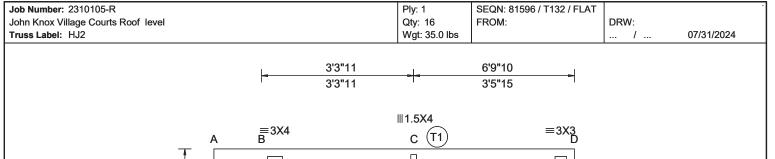
Webs	Tens.Comp.	Webs	Tens. Comp.
B - G	59 - 18	F-D	557 - 1682
B - F	556 - 1663	D-E	479 - 90
C - F	289 - 313		

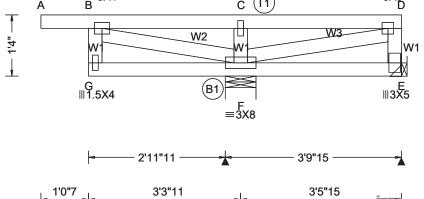


WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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F	3'3"11	6'9"10	٦
Coading Criteria (psf)	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.032 G 999 360 VERT(TL): 0.061 G 646 240 HORZ(LL): -0.007 B HORZ(TL): 0.014 B Creep Factor: 2.0 Max TC CSI: 0.429 Max BC CSI: 0.142 Max Web CSI: 0.217 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	

ımber
mber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Wind loads based on MWFRS. End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

Negative reaction(s) of -192# MAX. from a non-wind load case requires uplift connection. See Maximum

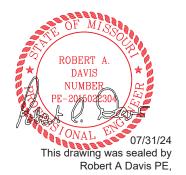
Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. F-E 10 -3 -4

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - G 58 - 19 F-D 534 -805 B - F 535 -811 D-E 208 -73

C-F

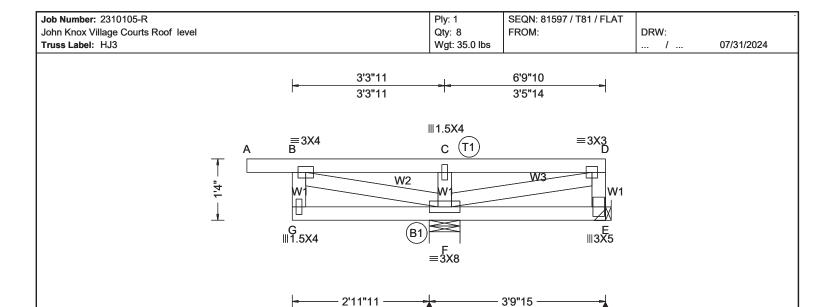
291 - 375



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	l	3'3"11	6'9"1	0	ı	
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0	Defl/CSI Criteria PP Deflection in loc L/def VERT(LL): 0.032 G 999		▲ Maximum Reactions (Ik Gravity Loc R+ / R- / Rh	os) Non-Gravity / Rw / U / RL
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II EXP: B	Lu: - Cs: 1.00 Snow Duration: 1.15	VERT(TL): 0.060 G 661 HORZ(LL): -0.007 B - HORZ(TL): 0.014 B -			/482 /226 /- /71 /73 /-
Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25	Mean Height: 50.92 ft TCDL: 5.0 psf BCDL: 4.0 psf	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014	Creep Factor: 2.0 Max TC CSI: 0.425 Max BC CSI: 0.140	-	F Brg Wid = 8.0 Min F	Req = 1.5 (Truss) Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max Web CSI: 0.212 Mfg Specified Camber:			ces Per Ply (lbs) Chords Tens. Comp. C - D 758 - 500

3'3"11

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Wind loads based on MWFRS. End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

Negative reaction(s) of -186# MAX. from a non-wind load case requires uplift connection. See Maximum

Wind Duration: 1.60

Truss must be installed as shown with top chord up.

0 A - B VIEW Ver: 23.02.04A.0207.10 B - C 758

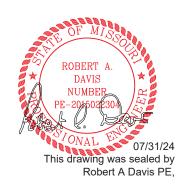
3'5"14

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

- 500

10 -3 Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.				Comp.
B-G B-F C-F	522	- 19 - 793 - 377	F - D D - E	521 203	- 787 - 69



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

WAVE

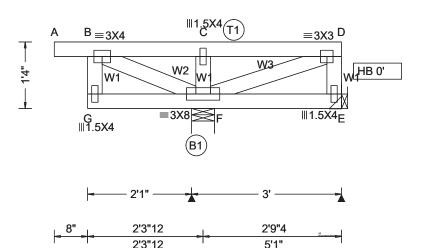
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Job Number: 2310105-R Ply: 1 SEQN: 81490 / T63 / MONO John Knox Village Courts Roof level Qty: 6 FROM: DRW: Truss Label: J1 Wgt: 29.4 lbs / ... 07/31/2024





		20 12	0 1	
Loading Criteria (psf) TCLL: 30.00	Wind Criteria Wind Std: ASCE 7-16	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II	Defl/CSI Criteria PP Deflection in loc L/defl L/#	▲ Maximum Reactions (lbs) Gravity Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.008 G 999 360	las D. /D /Db /Dw /U /DI
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II	Lu: - Cs: 1.00 Snow Duration: 1.15	VERT(TL): 0.016 G 999 240 HORZ(LL): -0.003 B	F 635 /- /- /331 /152 /- E 83 /-97 /- /41 /32 /-
Des Ld: 55.00	EXP: B Mean Height: 50.92 ft	Onow Duration: 1.10	HORZ(TL): 0.005 B	Wind reactions based on MWFRS
NCBCLL: 0.00 Soffit: 2.00	TCDL: 5.0 psf	Code / Misc Criteria Bldg Code: IBC 2018	Creep Factor: 2.0 Max TC CSI: 0.221	F Brg Wid = 5.5 Min Req = 1.5 (Truss) E Brg Wid = - Min Req = -
Load Duration: 1.25	BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.070	Bearing F is a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: Anv	Rep Factors Used: Yes FT/RT:20(0)/10(0)	Max Web CSI: 0.085 Mfg Specified Camber:	Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):	mig opcomed cumber.	A - B 0 0 C - D 360 - 253
	Wind Duration: 1 60	WAVE	VIEW Ver: 23 02 04A 0207 10	B - C 360 - 253

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

(J) Hanger Support Required, by others

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

End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

Truss must be installed as shown with top chord up.

'P Deflection in Toc L/defl	L/#		Citavity	
/ERT(LL): 0.008 G 999	360	Loc R+	/ R-	/
/ERT(TL): 0.016 G 999	240	F 635	/-	/-
IORZ(LL): -0.003 B -	-	E 83	/-97	/-
IORZ(TL): 0.005 B -	-	Wind rea		
Creep Factor: 2.0			Wid $= 5$	
Max TC CSI: 0.221			Wid = -	
Max BC CSI: 0.070		Bearing	F is a ri	gid s
Max Web CSI: 0.085		Maximu		
//Ifg Specified Camber:		Chords	Tens.C	omp
		A - B	0	
/IEW Ver: 23.02.04A.0207.	10	B-C	360	- 25

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.	Chords	Tens. Comp.				
C F	1 1		6 2				

Maximum Wah Forces Par Ply (lhe)

	Tens.Comp.				Comp.
B-G B-F C-F	276	- 14 - 395 - 282	F - D D - E	271 113	- 384 - 62



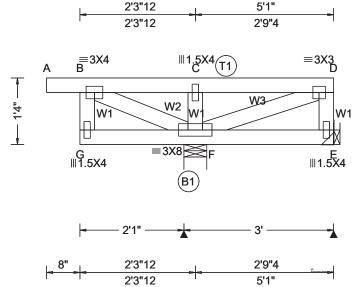
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Job Number: 2310105-R Ply: 1 SEQN: 81491 / T134 / FLAT John Knox Village Courts Roof level Qty: 40 FROM: DRW: Truss Label: J2 Wgt: 29.4 lbs / ... 07/31/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.008 G 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.016 G 999 240	F 635 /- /- /331 /152 /-
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.003 B	E 83 /-97 /- /41 /32 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.005 B	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 50.92 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	F Brg Wid = 5.5 Min Req = 1.5 (Truss)
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.221	E Brg Wid = - Min Req = -
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.070	Bearing F is a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.085	Maximum Top Chord Forces Per Ply (lbs)
' ' '''	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		A-B 0 0 C-D 360 -253
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	B - C 360 - 253

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

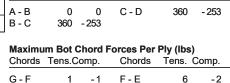
Wind loads based on MWFRS with additional C&C

End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

Truss must be installed as shown with top chord up.



Maximum Web Forces Per Ply (lbs)							
Webs	Tens.C	omp.	Webs	Tens. Comp			
B-G	40	- 14	F-D	271 - 384	1		

D-E

113

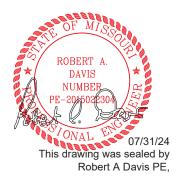
-62

276 - 395

234 - 282

B-F

C-F



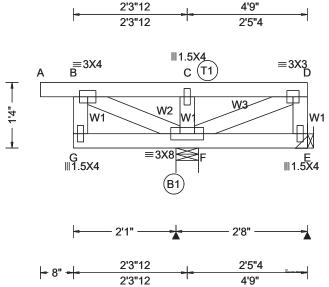
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Job Number: 2310105-R Ply: 1 SEQN: 81492 / T60 / FLAT John Knox Village Courts Roof level FROM: DRW: Qty: 20 Wgt: 28.0 lbs Truss Label: J3 / ... 07/31/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.008 G 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.015 G 999 240	F 640 /- /- /- /97 /-
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.003 B	E 55 /-128 /- /14 /- /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.005 B	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 50.92 ft	Code / Misc Criteria	Creep Factor: 2.0	F Brg Wid = 5.5 Min Req = 1.5 (Truss)
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.204	E Brg Wid = - Min Req = -
Load Duration: 1.25	BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.064	Bearing F is a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.082	Maximum Top Chord Forces Per Ply (lbs)
opusg	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):	.	A-B 0 0 C-D 364 -61
	Wind Duration: 1.60	WAVE '	VIEW Ver: 23.02.04A.0207.10	B-C 364 -61

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure. Left cantilever is exposed to wind

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

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

F-E

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - G 15 0 F-D 66 - 395 B - F 66 - 399 D-E 139 -38 C-F 62 - 263

0

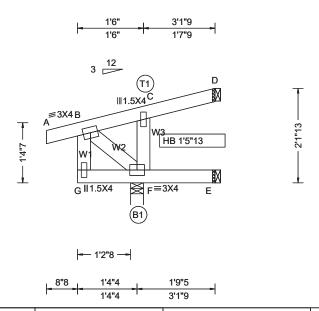


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Job Number: 2310105-R Ply: 1 SEQN: 81493 / T7 / JACK John Knox Village Courts Roof level DRW: Qty: 4 FROM: Truss Label: LR1 Wgt: 19.6 lbs / ... 07/31/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#		
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.033 B 597 360		
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.060 B 326 240		
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.030 D		
Des Ld: 55.00	EXP: B		HORZ(TL): 0.054 D		
NCBCLL: 0.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0		
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.285		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.268		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.046		
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:		
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1 60	WAVE	VIFW Ver: 23 02 04A 0207 10		

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

member design.

Wind loads based on MWFRS with additional C&C

Left end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

ΔI	▲ Maximum Reactions (lbs)							
	Gravity Non-Gravity							
Lo	c R+	/ R-	/ Rh	/Rw	/ U	/ RL		
F	524	/-	/-	/252	/12	/15		
Е	-	/-80	/-	/10	/35	/-		
D	25	/-73	/-	/4	/28	/-		
Wi	nd rea	ctions b	ased on N	IWFRS				
F	Brg \	Vid = 3.	5 Min F	Req = 1.5	5			
			5 Min F					
D	Brg \	Vid = 1.	5 Min F	Req = -				
Bearing F is a rigid surface.								
Ma	Maximum Top Chord Forces Per Ply (lbs)							
Ch	ords	Tens.Co	mp. (Chords	Tens.	Comp.		

A - B C - D 16 0 6 B - C 47 - 44

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Cor	np.	Chords	Tens.	Comp.		
G-F	2	-4	F-E	0	0		

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Tens. Comp. Webs B - G C-F 17 - 65 130 -315 B - F 70 -8

ROBERT A DAVIS NUMBE ONAL 07/31/24 This drawing was sealed by Robert A Davis PE,

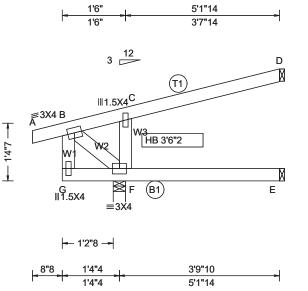
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١,
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	١.
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.032 B 619 360	
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.078 B 253 240	П
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.029 D	
Des Ld: 55.00	EXP: B		HORZ(TL): 0.070 D	1
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	١
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.403	1!
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.259	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.043	П
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:	T:
	GCpi: 0.18	Plate Type(s):	-	1!
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	-
Lumber	•	•	•	- 1

▲ Maximum Reactions (lbs)							
	Gravity Non-Gravity						
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
F	526	/-	/-	/251	/3	/24	
Е	28	/-4	/-	/22	/-	/-	
D	132	/-	/-	/38	/16	/-	
Wi	nd read	ctions b	ased on N	/WFRS			
F	Brg V	Vid = 3.	5 Min F	Req = 1.5	5		
Е	Brg V	Vid = 1.	5 Min F	Req = -			
D Brg Wid = 1.5 Min Reg = -							
Bearing F is a rigid surface.							
Ма	ximun	n Top C	hord For	ces Per	Ply (lb	s)	

Chords Tens.Comp. Chords Tens. Comp. 16 0 C - D 32 A - B -51 B - C 51 -49

Maximu	ım Bot C	hord F	orces Per	Ply (lbs)	
Chords	Tens.Co	mp.	Chords	Tens. C	omp.
G-F	0	-4	F-E	0	0

IVICALITIE	IIII AAGD	1 01663	reiriy (i	ນອງ		
Webs	Tens.C	omp.	Webs	Tens. (Comp.	
B-G B-F	2 69	-62 -8	C-F	101	- 377	

Maximum Woh Forces Por Ply (lbs)

Webs 2x4 SP #3

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2

Wind loads based on MWFRS with additional C&C

Left end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

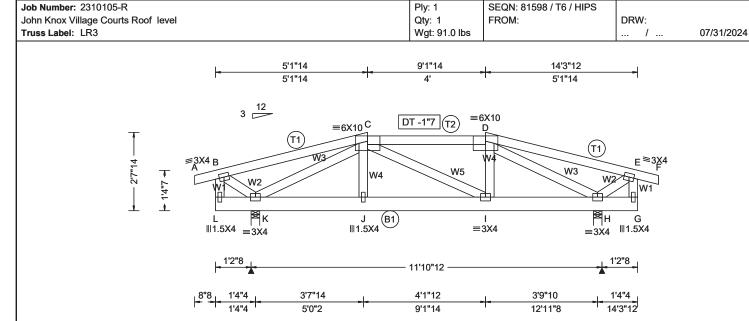


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Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x6 SP #1 Webs 2x4 SP #3

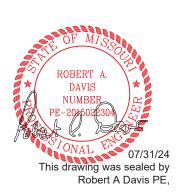
Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate D	Our.Fac.=1.	25)		
TC: From	91 plf at	-0.71 to	91 plf at	5.16		
TC: From	45 plf at	5.16 to	45 plf at	9.16		
TC: From	91 plf at	9.16 to	91 plf at	15.02		
BC: From	4 plf at	-0.71 to	4 plf at	0.00		
BC: From	20 plf at	0.00 to	20 plf at	5.19		
BC: From	10 plf at	5.19 to	10 plf at	9.12		
BC: From	20 plf at	9.12 to	20 plf at	14.31		
BC: From	4 plf at	14.31 to	4 plf at	15.02		
TC: 132 lb Conc. Load at 5.22, 7.16, 9.09						
BC: 237 lb	Conc. Load	at 5.19, 9.	12			

BC: 28 lb Conc. Load at 7.16

Wind

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure. Left and right cantilevers are exposed to wind



Chords	Tens.C	omp.	Chords	Tens. C	Comp.
A - B	16	- 1	D-E	238	- 12
B - C	238	- 12	E-F	16	-1
C - D	114 -	1239			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Jomp.
L-K	47	-3	I-H	1239	- 114
K - J	1246	- 114	H-G	47	-3
J - I	1229	- 113			

Maximum Web Forces Per Ply (lbs)

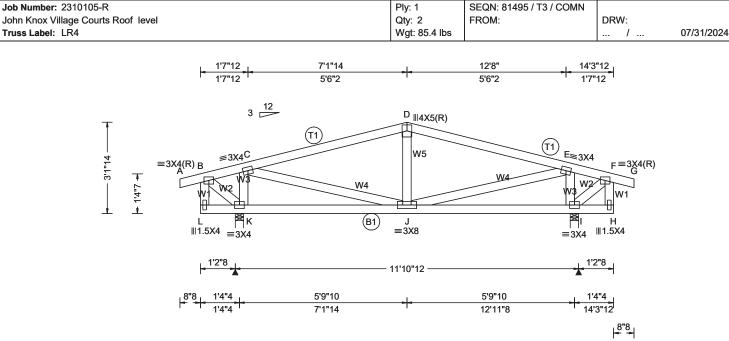
MEDS	rens.comp.	AA CD2	rens. Comp.
B-L	9 - 106	D-I	278 - 26
B - K	14 - 283	D - H	142 - 1618
K - C	142 - 1626	H-E	15 - 283
J-C	273 - 26	E-G	9 - 106
C - I	38 - 14		

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lb	
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.015 D 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.027 D 999 240	K 872 /- /-	/399 /- /12
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.002 I	1 872 /- /-	/399 /- /-
Des Ld: 55.00	EXP: B	_	HORZ(TL): 0.003 I	Wind reactions based on M	WFRS
NCBCLL: 0.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	K Brg Wid = 3.5 Min R	eq = 1.5
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.416	J	eq = 1.5
Load Duration: 1.25	BCDL: 4.0 psf MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.144	Bearings K & I are a rigid su	urface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.223	Maximum Top Chord Ford	ces Per Ply (lbs)
Opuolity. 24.0	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. C	hords Tens. Comp.
	GCpi: 0.18	Plate Type(s):]	A-B 16 0 D	- E 76 - 769
	Wind Duration: 1.60	WAVE ' '	VIEW Ver: 23.02.04A.0207.10		- F 107 - 63
Lumban		I .		^J C-D 76-769 F	- G 16 0

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

Truss designed for unbalanced snow loads.

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

End verticals not exposed to wind pressure.

Left and right cantilevers are exposed to wind

A - B	16	0	D-E	76	- 769	
B - C	107	- 63	E-F	107	- 63	
C - D	76	- 769	F-G	16	0	

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.comp.		Chords	rens. C	omp.
L-K	1	-3	J - I	200	- 21
K - J	200	- 27	I - H	1	-3

Maximum Web Forces Per Ply (lbs)

Webs	Tens.0	Comp.	Webs	Tens. (Comp.
B-L	2	- 32	J-E	585	- 54
B - K	108	- 103	E-I	106	- 766
K-C	106	- 766	I-F	108	- 103
C-J	585	- 53	F-H	2	- 32
DI	68	- 176			

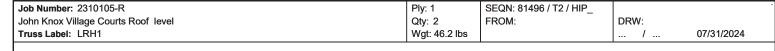


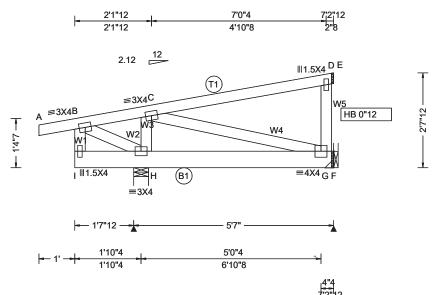
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			7'2"12		
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (I	
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.001 I 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.004 B 999 240	H 532 /- /-	/- /62 /-
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.001 E	F 209 /-9 /-	/- /56 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.002 E	Wind reactions based on I	MWFRS
NCBCLL: 0.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0		Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.410	, ,	Req = -
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.045	Bearing H is a rigid surfac	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana Alakeb CSI: 0.093	Maximum Top Chord Fo	• • •
opusing: 2 no	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp.	Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):	<u> </u>	A-B 13 -1	C - D 15 -45
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	B - C 172 0	D-E 0 -1

Ĺ	ur	nl	26	r

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x6 SP #1 Webs 2x4 SP #3

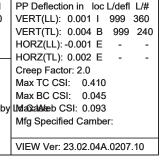
Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate I	Dur.Fac.=1.2	(5)
TC: From	0 plf at	-1.00 to	90 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	7.23
BC: From	0 plf at		4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	7.23
TC: 49 lb	Conc. Load	at 4.43		
BC: -48 lb	Conc. Load	at 4.43		

Wind

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure.

Left cantilever is exposed to wind



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

I-H G-F 0 -5 H-G 55 - 110

Maximum Web Forces Per Ply (lbs)

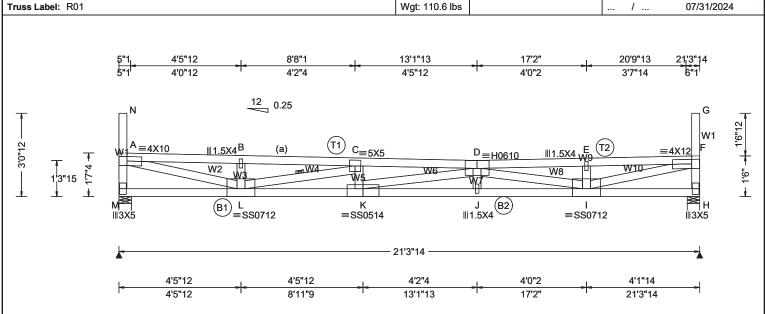


WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Ply: 1

Qty: 3

SEQN: 81613 / T15 / SPEC

DRW:

FROM:

		00			
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.48 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE, 18SS, HS	Defl/CSI Criteria		Non-Gravity / Rw / U / RL /541 /145 /96 /541 /144 /- n MWFRS n Req = 1.5 (Truss) n Req = 1.5 (Truss) gid surface.
Lumber	1	Deflection	1	C-D 1599 - 7917	

Value Set: NDS 2015

Job Number: 2310105-R

John Knox Village Courts Roof level

Top chord 2x4 SP 2400f-2.0E Bot chord 2x4 SP 2400f-2.0E Webs 2x4 SP #3 W2,W10 2x4 SP #1;

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 90 plf at 21.03 20 plf at 21.32 TC: From 90 plf at 0.29 to BC: From 20 plf at 0.00 to PLT: 500 lb Conc. Load at (5.83,44.43), (15.83,44.33)

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height Pd W

20.74 20.74 0.29 0.00 1.46 1.57 18.24 21.66 4.43 0.00 5.26

Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.39" DL: 0.65". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Tens. Comp. Chords 342 - 340 M - I A = 18290 - 1742 L-K 7862 - 1774 I-H 128 - 116 8290 - 1742 K-J

Wehs

Maximum Web Forces Per Ply (lbs)

Tens Comp

VVCD3	rens.comp.	VVCD3	rens. Comp.	
M - A	378 - 1580	D-J	68 0	
A - L	5405 - 1165	D - I	723 - 2865	
N - A	7 -4	E-I	152 - 585	
L-B	161 - 619	I-F	5563 - 1198	
L-C	683 - 2598	F-H	376 - 1598	
C - K	198 - 10	G-F	8 -5	
K - D	174 - 391			

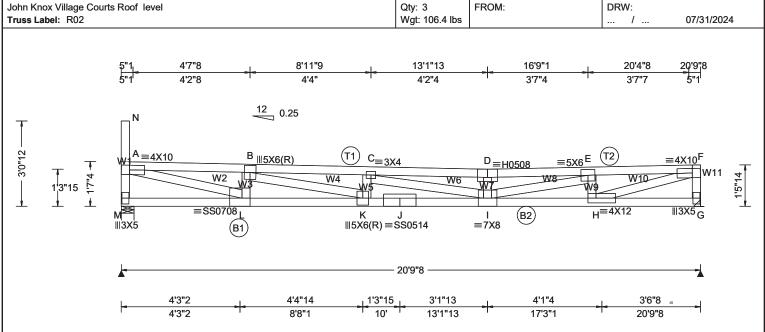


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Ply: 1

SEQN: 81498 / T14 / COMN

Clading Criteria (psf) TCLL: 30.00 TCDL: 15.00 Speed: 109 mph Enclosure: Closed Risk Category: Il EXP: B Mean Height: 44.48 ft TCDL: 5.0 psf Specing: 24.0 " C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 GC	L					
Wind Duration: 1.60 WAVE, 18SS, HS VIEW Ver: 23.02.04A.0207.10 B - C 1663 -7457 E - F 1011 -4940 C - D 1689 -7809		TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.48 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.345 C 722 360 VERT(TL): 0.921 C 270 240 HORZ(LL): 0.046 A HORZ(TL): 0.122 A Creep Factor: 2.0 Max TC CSI: 0.958 Max BC CSI: 0.792 IMa©aAAeb CSI: 0.823 Mfg Specified Camber:	Caravity

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP 2400f-2.0E Bot chord 2x4 SP 2400f-2.0E

Webs 2x4 SP #3 W2,W10 2x4 SP #1; W8 2x4 SP #2;

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 90 plf at 0.29 to 90 plf at 20.50 20 plf at 0.00 to 20 plf at PLT: 500 lb Conc. Load at (5.57,44.44), (15.57,44.33)

Loading

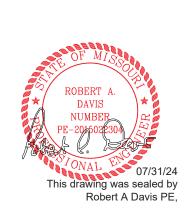
Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height 0.00 20.21 1.46 Location Lu1 Pd 1.46 18.24 4.43 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.34" DL: 0.57". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
M - L L - K K - J	252 - 181 5381 - 1201 7588 - 1709	J-I I-H H-G	7588 - 1709 5282 - 1093 42 - 13

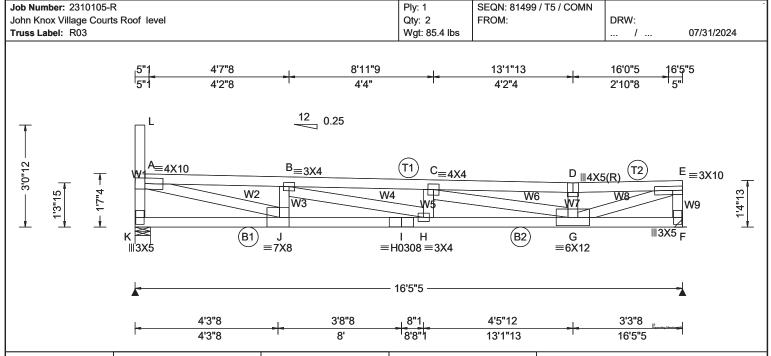
Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens.	Comp.
M - A	366 - 1551	C-I	224	- 62
A - L	5129 - 1081	D - I	220	-777
N - A	7 -4	I-E	2640	- 629
L-B	333 - 1310	E-H	325	- 1347
B - K	2161 - 553	H-F	5083	- 1035
K-C	201 - 544	F-G	360	- 1566

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.151 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.433 H 455 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.021 A
Des Ld: 55.00	EXP: B		HORZ(TL): 0.061 A
NCBCLL: 0.00	Mean Height: 44.48 ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.809
Load Duration: 1.25	BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.881
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana Aleb CSI: 0.849
Opading. 24.0	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	3 ,
	Wind Duration: 1.60	WAVE. HS	VIEW Ver: 23.02.04A.0207.10

	▲ M	aximu	ım Reac	tions (lbs)			
		G	ravity	·	No	on-Grav	/ity	
)	Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
)				/-	/412	/110	/60	
	F	1558	/-	/-	/424	/113	/-	
	Win	d reac	tions ba	sed on	MWFRS			
	K	Brg W	Vid = 5.5	Min	Req = 1.5	5		
	F	Brg V	√id = -	Min	Req = -			
	Bea	ring K	is a rigio	surfac	ce.			
	Max	imum	Top Ch	ord Fo	orces Per	Ply (lbs	s)	
	Cho	rds T	ens.Cor	np.	Chords	Tens.	Comp.	
	A - F	3	981 - 3	731	C-D	867	- 3189	

Lumber

Value Set: NDS 2015

Top chord 2x4 SP 2400f-2.0E T2 2x4 SP #1; Bot chord 2x4 SP #1 Webs 2x4 SP #3 W2,W8 2x4 SP #2;

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 90 plf at 0.29 to 90 plf at 16.44 20 plf at 0.00 to 20 plf at PLT: 500 lb Conc. Load at (5.75,44.43), (15.75,44.33)

Loading

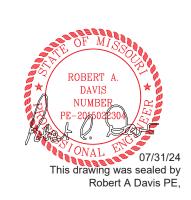
Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height Pd 0.00 20.00 1.46 18.24 4.43 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.15" DL: 0.28". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.



B-C 1242 - 4643 D-F 867 - 3191

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.	Chords	Tens.	Comp.			
K-J	256 - 174	H-G	4667	- 1263			
J - I	3950 - 1031	G-F	0	0			
I - H	3950 - 1031						

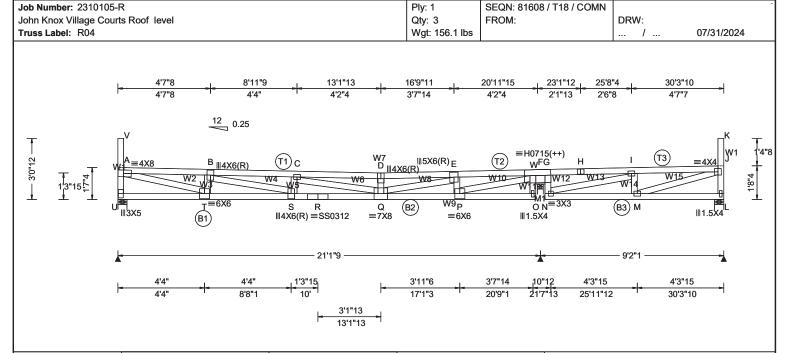
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
K-A	338 - 1172	H - C	130 - 124
A - J	3762 - 945	C - G	409 - 1536
L-A	7 -4	D - G	224 - 600
J-B	297 - 939	G-E	3360 - 916
B - H	716 - 311	F-E	340 - 1517

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Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15	Defi/CSI Criteria PP Deflection in loc L/defi L/# VERT(LL): 0.357 C 709 360 VERT(TL): 0.662 C 382 240 HORZ(LL): 0.047 A HORZ(TL): 0.087 A
Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 44.53 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.03 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, 18SS, HS	Creep Factor: 2.0 Max TC CSI: 0.397 Max BC CSI: 0.867 Max Web CSI: 0.821 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10

	G	ravity		No	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
U	1096	/-	/-	/513	/136	/89
W	1812	/-	/-	/828	/228	/-
L	425	/-	/-	/182	/47	/-
Win	d reac	tions bas	ed on MV	VFRS		
U	Brg W	/id = 5.5	Min Re	q = 1.5	(Truss	s)
W	Brg W	/id = 3.5	Min Re	q = 1.5	(Supp	ort)
L	Brg W	/id = 5.5	Min Re	q = 1.5	(Truss	s) [']
Bea	ırings l	J, W, & L	. are a rigi	d surfa	ce.	
Max	kimum	Top Ch	ord Force	es Per l	Ply (lbs	s)

▲ Maximum Reactions (lbs)

Chords Tens.Comp. Chords Tens. Comp. D-E 1113 - 5020 F-H 430 - 239 A - B 831 - 3190 E-F 627 -2748 B-C 1162 - 4910 431 -239 H - I C-D 1113 - 5020 239 I - J -776

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Jomp.
U - T	332 - 323	Q-P	2970	- 737
T - S	3371 - 1028	P - O	59	- 255
S-R	5003 - 1344	N - M	800	- 174
R-Q	5003 - 1344	M - L	94	- 71

Maximum Web Forces Per Ply (lbs)									
Webs	Tens.Comp.		Webs	Tens.	Comp.				
U - A	280	- 1049	P-F	3102	- 759				
A - T	3204	-820	F-W	383	- 1453				
V - A	7	-4	G - W	345	- 65				
T - B	262	- 778	W - O	43	0				
B-S	1602	-418	W - N	343	- 65				
S-C	160	- 386	N - I	273	- 1046				
C - Q	79	- 54	I - M	97	- 121				
Q-E	2154	- 554	M - J	758	- 178				
D - Q	177	- 556	J-L	108	- 386				

K-J

Lumber

Value Set: NDS 2015

Top chord 2x4 SP 2400f-2.0E Bot chord 2x4 SP #1 Webs 2x4 SP #3 W2,W10,W13 2x4 SP #2; W12 2x4 SP #1;

Rt Bearing Leg: 2x6 SP #1;

Plating Notes

All plates are 3X4 except as noted.

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

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height Pd 29.72 0.29 0.00 1.46 18.24 4.43 30.01 0.00 29.72 1.38 15.49 3.76 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

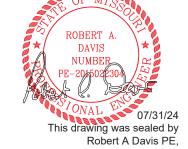
End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.35" DL: 0.36". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.



E-P

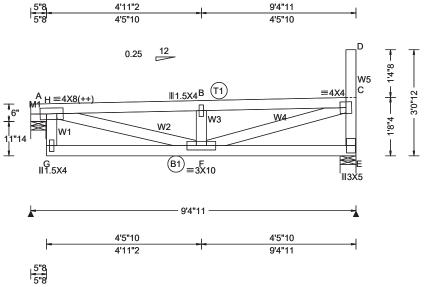
272 - 881

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Job Number: 2310105-R Ply: 1 SEQN: 81501 / T87 / SPEC John Knox Village Courts Roof level FROM: DRW: Qty: 4 Truss Label: R05 Wgt: 52.5 lbs / ... 07/31/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.026 B 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.048 B 999 240	H 526 /- /- /244 /73 /57
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.004 A	E 472 /- /- /225 /61 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.007 A	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 44.61 ft	Code / Misc Criteria	Creep Factor: 2.0	H Brg Wid = 5.3 Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.148	E Brg Wid = 5.5 Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.109	Bearings H & E are a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.458	Maximum Top Chord Forces Per Ply (lbs)
Opdoing. 24.0	Loc. from endwall: Anv	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):	3 , : : : : : : : : : : : : : : : : : :	A-B 560 -999 B-C 569 -996
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	

Lumber

Value Set: NDS 2015

Top chord 2x4 SP 2400f-2.0E Bot chord 2x4 SP #2 Webs 2x4 SP #3 Lt Bearing Leg: 2x6 SP #1;

Plating Notes

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

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height Pd W 0.00 20.00 1.38 15.49 3.76 Location Lu1 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

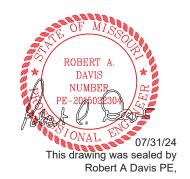
Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Tens. Comp. Chords Tens.Comp. Chords G-F 100

Maximum Web Forces Per Ply (lbs)

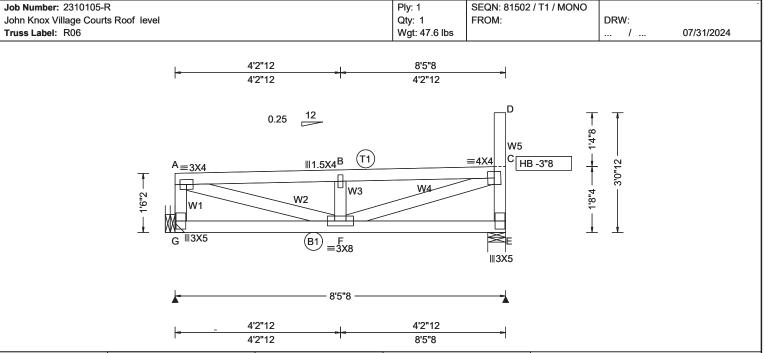
Webs	Tens.Comp.		Webs	Tens. (Comp.
A - H	43	0	B - F	298	- 417
A - F	927	- 457	F-C	984	- 541
H - A	391	- 701	D-C	7	-4
H - G	43	0	C - E	246	-431



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.024 B 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.044 B 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.003 C	
Des Ld: 55.00	EXP: B		HORZ(TL): 0.005 C	
NCBCLL: 0.00	Mean Height: 44.62 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.300	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.093	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.466	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:	
	GCpi: 0.18	Plate Type(s):	-	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	

▲ Maximum Reactions (lbs)									
	Grav	ty		No	n-Grav	rity			
Loc R	2+ / F	R- /	Rh	/ Rw	/ U	/ RL			
G 46	5 /-	J.	-	/227	/64	/56			
E 43	9 /-	/-	-	/214	/64	/-			
Wind reactions based on MWFRS									
G Br	g Wid	= -	Min F	Req = -					
E Br	g Wid	= 5.5	Min F	Req = 1.5	(Truss	;)			
Bearin	g E is a	a rigid s	urface).	•	·			
Maximum Top Chord Forces Per Ply (lbs)									
Chords	Tens	s.Comp	. (Chords	Tens.	Comp.			
A - B	49	8 -87	9 E	3 - C	508	- 877			

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

G-F 60 - 163 - 81

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - G A - F B - F	258 - 423 889 - 503 297 - 410	F-C C-E D-C	871 - 568 257 - 399 7 - 4

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.38 15.49 3.76 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

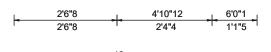


WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

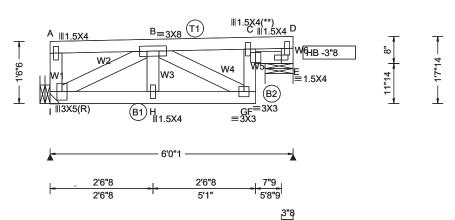
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Job Number: 2310105-R Ply: 1 SEQN: 81503 / T30 / MONO John Knox Village Courts Roof level DRW: Qty: 1 FROM: Truss Label: R07 Wgt: 36.4 lbs / ... 07/31/2024



0.25



			6'0"1		
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 30.00 TCDL: 15.00	Wind Std: ASCE 7-16 Speed: 109 mph	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/# VERT(LL): 0.036 C 999 360	Gravity Non-Gravi	ity / RL
BCLL: 0.00	Enclosure: Closed	Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00	VERT(LL): 0.036 C 999 360 VERT(TL): 0.065 C 999 240		/4
BCDL: 10.00 Des Ld: 55.00	Risk Category: II EXP: B	Snow Duration: 1.15	HORZ(LL): 0.010 C HORZ(TL): 0.019 C	E 325 /- /- /146 /43 Wind reactions based on MWFRS	/-
NCBCLL: 0.00	Mean Height: 44.62 ft	Code / Misc Criteria	Creep Factor: 2.0	I Brg Wid = - Min Req = - E Brg Wid = 8.3 Min Reg = 1.5 (Suppo	~ w4\
Soffit: 2.00 Load Duration: 1.25	BCDL: 4.0 psf	Bldg Code: IBC 2018 TPI Std: 2014	Max TC CSI: 0.401 Max BC CSI: 0.128	E Brg Wid = 8.3 Min Req = 1.5 (Suppo Bearing F is a rigid surface.	טונ)
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.307	Maximum Top Chord Forces Per Ply (lbs Chords Tens.Comp. Chords Tens. (,
	Loc. from endwall: Any GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):	Mfg Specified Camber:	A-B 5 -7 C-D 79	- 136
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	B-C 47 -91	- 130

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Plating Notes

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

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

	33U	/-	/-	/102	139	/4				
E	325	/-	/-	/146	/43	/-				
Wind reactions based on MWFRS										
I Brg Wid = - Min Req = -										
E Brg Wid = 8.3 Min Req = 1.5 (Support)										
Bearing F is a rigid surface.										
Maximum Top Chord Forces Per Ply (lbs)										
Ma	ximu	m Top	Chord F	orces Per	Ply (lb	s)				
				orces Per Chords		,				
	ords		omp.			Comp.				
Ch	ords B	Tens.C	omp.	Chords	Tens.	Comp.				

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. I-H 439 - 255 F-E 139 -83 H-G 439 - 255

Maximum Web Forces Per Ply (lbs)

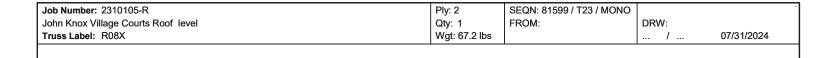
Webs	Tens.Comp.		Webs	Tens. Comp.		
A - I I - B	65	- 81 - 487	G-F C-F	238 181	- 121 - 77	
ı - Б В - Н	212 51	-407 0	D-F	162	- 266	
B - G	• • •	-407	D-L	102	-200	



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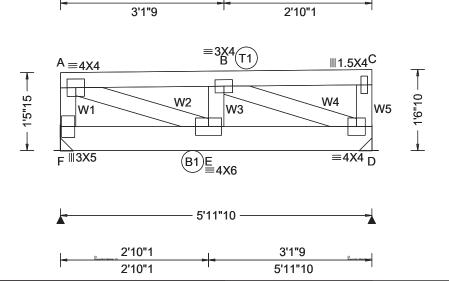
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5'11"10

3'1"9



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.019 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.034 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.003 A
Des Ld: 55.00	EXP: B		HORZ(TL): 0.005 A
NCBCLL: 0.00	Mean Height: 44.54 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.134
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.338
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMola0xalA4eeb CSI: 0.551
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs)							
Gravity			Non-Gravity				
Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
F	1818	/-	/-	/-	/225	/-	
D	1921	/-	/-	/-	/233	/-	
Wind reactions based on MWFRS							
F	Brg W	/id = -	Min F	Req = -			
D	Brg V	/id = -	Min F	Req = -			
Maximum Top Chord Forces Per Ply (lbs)							

Tens. Comp. Chords Tens.Comp. Chords 165 - 1360 B - C

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 15 -2 E-D 1242

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens.	Comp.	р.	
A - F A - E E - B		- 588 - 176 - 50	B - D C - D	163 8	- 1326 - 42		

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2

Bot chord 2x6 SP #1 Webs 2x4 SP #3

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 5.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. 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 BC: From 45 plf at 10 plf at 0.00 to 0.00 to 45 plf at 10 plf at BC: 1337 lb Conc. Load at 1.33 872 lb Conc. Load at 3.33, 5.33 330 lb Conc. Load at 3.51

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure.

Additional Notes

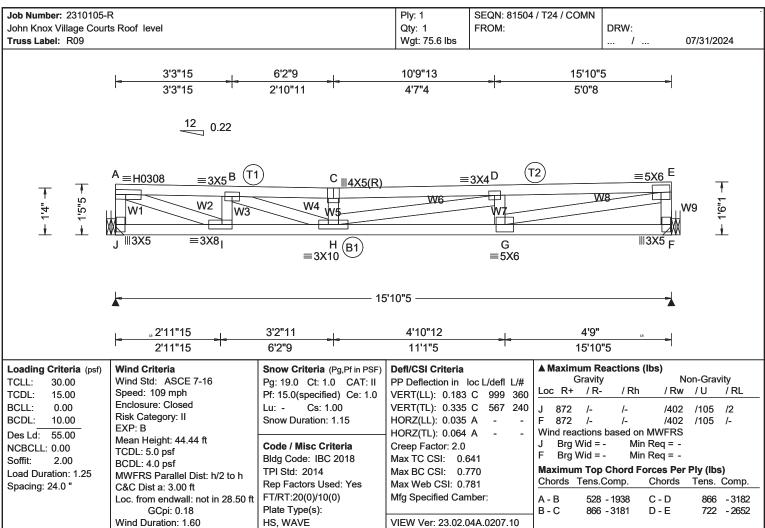
Truss must be installed as shown with top chord up.



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Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 W8 2x4 SP #2;

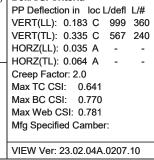
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.18" DL: 0.15". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

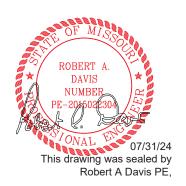


Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

J - I H-G 19 -9 2797 - 784 I-H 2117 - 593 G-F 44 - 13

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. (Comp.	
A - J	247	- 832	H - D	392	- 91	
A - I	2049	- 560	D-G	239	- 594	
I - B	236	- 699	G-E	2687	- 734	
B - H	1135	- 299	E-F	252	-818	
C - H	159	-416				



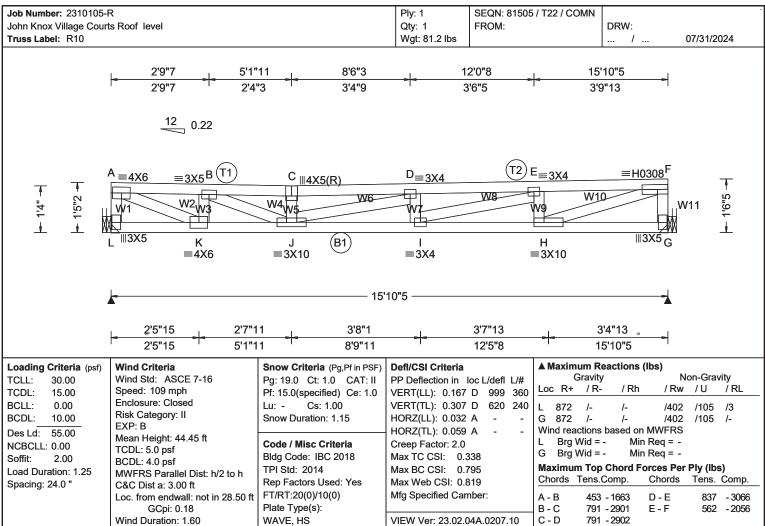
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.17" DL: 0.14". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

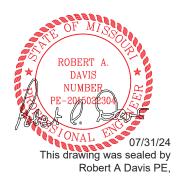
C-D

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	i Tens. Comp		_
L-K	14	-9	I-H	2216	- 621	
K - J	1852	- 521	H - G	23	-7	
J - I	3126	- 871				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. (Comp.
A - L	245	- 836	D-I	113	- 244
A - K	1809	- 494	I-E	900	- 235
K-B	237	- 730	E-H	237	- 667
B - J	1152	- 306	H-F	2150	- 589
C-J	132	- 348	F-G	249	-829
J-D	76	- 239			

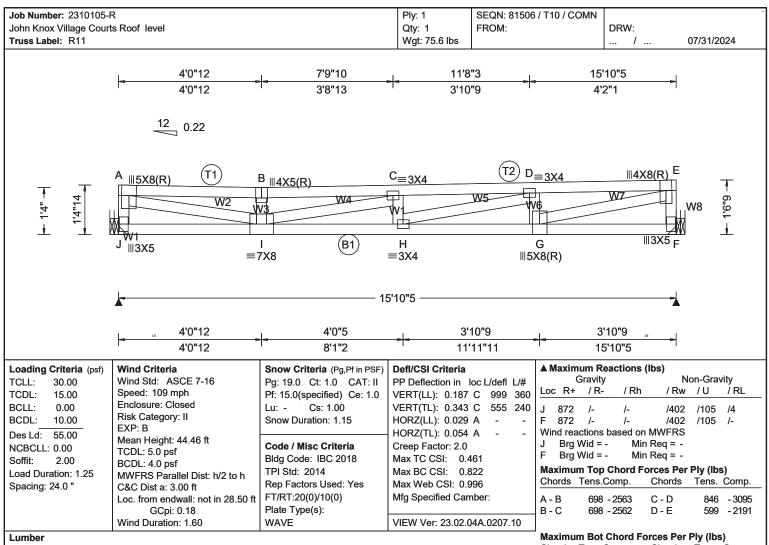


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Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.19" DL: 0.16". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

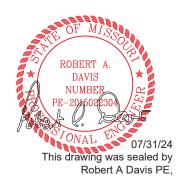
Additional Notes

Provide for complete drainage of roof.

Chords	Tens.Comp.		Chords	Tens. Comp.		
J - I	٠.	• • • • • • • • • • • • • • • • • • • •	H-G	2343		
I - H	3135	- 875	G-F	28	-8	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. (Comp.
A - J	248	- 819	H - D	788	- 203
A - I	2614	-714	D-G	238	-646
B - I	182	- 455	G-E	2269	-622
I-C	176	- 601	E-F	250	- 826
C-H	94	- 170			

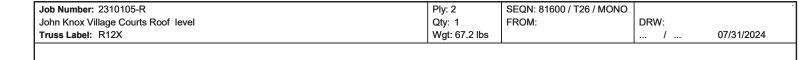


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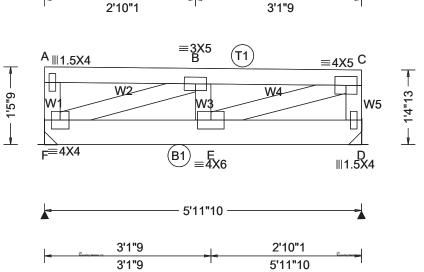
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5'11"10

2'10"1



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.022 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.041 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.004 A
Des Ld: 55.00	EXP: B		HORZ(TL): 0.007 A
NCBCLL: 0.00	Mean Height: 44.45 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.161
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.481
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMa0xaMAkeb CSI: 0.613
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10

	▲ Maximum Reactions (lbs)					
		Gravity		` / No	on-Grav	vity
,	Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
,	F 1770	6 /-	/-	/-	/201	/-
	D 206	3 /-	/-	/-	/231	/-
	Wind rea	actions b	ased on	MWFRS		
	F Brg	Wid = -	Mir	Reg = -		
	D Brg	Wid = -	Mir	Req = -		
	Maximu	m Top C	hord F	orces Per	Ply (lbs	s)
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.
	A - B	2	- 17	B - C	168	- 1531
1	Mavimu	m Rot C	hord E	rces Per I	Dly (lbe	.1
				Observed in	• •	?)

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. Co	omp.	
F.F	1396 - 156	F.D	17	-2	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - F F - B B - E	8 -46 164 -1473 507 -49	E-C C-D	1609 - 176 70 - 611

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x6 SP #1 Webs 2x4 SP #3

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 5.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. 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 BC: From 45 plf at 10 plf at 45 plf at 10 plf at 0.00 to 0.00 to BC: 872 lb Conc. Load at 1.33, 3.33, 5.33 329 lb Conc. Load at 1.50 566 lb Conc. Load at 3.77

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

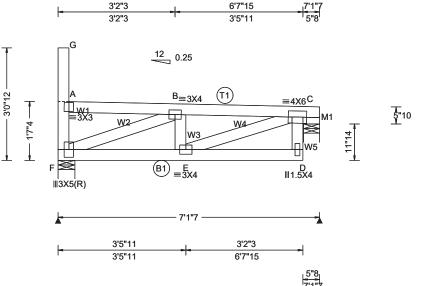


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Job Number: 2310105-R Ply: 1 SEQN: 81507 / T17 / SPEC John Knox Village Courts Roof level Qty: 7 FROM: DRW: Truss Label: R13 Wgt: 39.9 lbs / ... 07/31/2024



			7'1"7	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.013 E 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.024 E 999 240	F 349 /- /- /175 /57 /58
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.003 A	C 398 /- /- /196 /63 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.006 A	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 44.55 ft	Code / Misc Criteria	Creep Factor: 2.0	F Brg Wid = 5.5 Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.322	C Brg Wid = 5.2 Min Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.182	Bearings F & C are a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.434	Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Anv	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		A - B 146 - 240 B - C 359 - 563
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 Rt Bearing Leg: 2x6 SP #1;

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height 0.00 20.00 1.46 Location Lu1 1.46 18.24 4.43 0.29 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

Wind

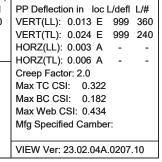
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
F-E	594 - 397	E-D	2 -1	_

Maximum Web Forces Per Ply (lbs)

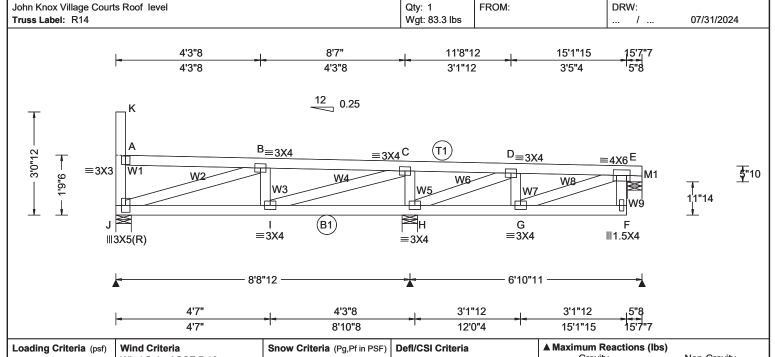
Tens.Comp.		Webs	Tens. (Comp.
68	- 88	B - E	179	- 146
456	- 624	E-C	597	- 379
7	-4	C - D	31	0
	68 456	68 - 88 456 - 624	68 -88 B-E 456 -624 E-C	68 - 88 B - E 179 456 - 624 E - C 597



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SEQN: 81508 / T86 / SPEC

Loading	Criteria (psf)			
TCLL:	30.00			
TCDL:	15.00			
BCLL:	0.00			
BCDL:	10.00			
Des Ld:	55.00			
NCBCLL	: 0.00			
Soffit:	2.00			
Load Duration: 1.25				
Spacing:	24.0 "			

Job Number: 2310105-R

Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.64 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft

Loc. from endwall: Any

Wind Duration: 1.60

GCpi: 0.18

Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.018 B 999 360 VERT(TL): 0.034 B 999 240 HORZ(LL): 0.003 A HORZ(TL): 0.006 A Creep Factor: 2.0 Max TC CSI: 0.332 Max BC CSI: 0.243 Max Web CSI: 0.356 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

= maximum reductions (150)							
Gravity				No	on-Grav	/ity	
Lo	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
J	400	/-	/-	/187	/56	/57	
Н	1038	/-	/-	/489	/134	/-	
Ε	301	/-	/-	/118	/36	/-	
Wi	nd reac	tions b	ased on N	IWFRS			
J	Brg W	/id = 5	.5 Min F	Req = 1.5	5		
Н	Brg W	/id = 5	.5 Min F	Req = 1.5	5		
Ε	Brg W	/id = 5	.2 Min F	Req = 1.5	5		
Bearings J, H, & E are a rigid surface.							
Ма	ximum	Top C	Chord For	ces Per	Ply (lbs	s)	

Tens. Comp. Chords Tens.Comp. Chords C - D A - B 121 - 192 458 - 177 B - C 261 - 648 D-E 64 - 295

Lumber

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

Value Set: NDS 2015

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height 0.00 20.00 1.29 Location Lu1 12.40 3.01 1.29 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

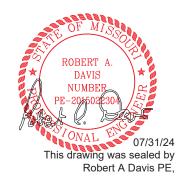
Truss must be installed as shown with top chord up.

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

685 - 284 - 74 I-H 127 - 311 G-F 1

Maximum Web Forces Per Ply (lbs)

vveps	rens.Comp.		vveps	rens. (Jomp.
J - A	78	- 142	C-H	317	- 670
J-B	337	- 694	H - D	281	- 710
K - A	7	-4	D - G	60	- 63
B - I	172	-214	G-E	311	- 65
I-C	936	- 383	E-F	32	0

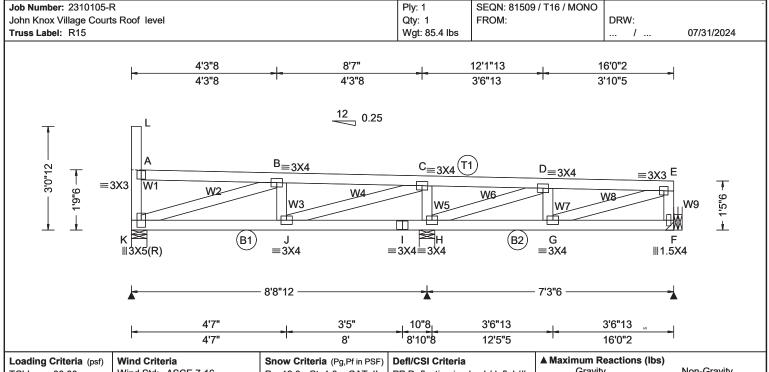


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Loading	Criteria (psf)
TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00
Load Dur	ation: 1.25
Spacing:	24.0 "

Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.63 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2

C&C Dist a: 3.00 ft

Wind Duration: 1.60

Loc. from endwall: Any

GCpi: 0.18

Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.018 B 999 360 VERT(TL): 0.035 B 999 240 HORZ(LL): 0.003 A HORZ(TL): 0.006 A Creep Factor: 2.0 Max TC CSI: 0.342 Max BC CSI: 0.245 Max Web CSI: 0.345 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Glavity					NOII-Gravity			
Loc	R+	/ R-	/Rh	/	Rw	/ U	/ RL	
K	402	/-	/-	1	189	/57	/58	
Н	1052	/-	/-	/4	497	/134	/-	
F	329	/-	/-	1	137	/36	/-	
Win	d react	tions bas	ed o	n MWF	RS			
K	Brg W	id = 5.5	Mi	n Req	= 1.5			
Н	Brg W	id = 5.5	Mi	n Req	= 1.5			
F	Brg W	/id = -	Mi	n Req	= -			
Rea	rinas K	(& H are	a ric	nid surf	ace			

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D - 152 A - B 121 - 192 414 B - C 268 - 657 D-E 119 -437

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.29 12.40 3.01 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

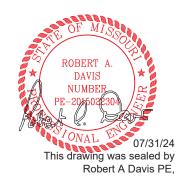
Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. K-J 693 - 289 451 - 134 H - G J-I 102 - 264 G-F 17 -6 I-H 102 - 264 Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs Tens.		Comp.
K-A	77	- 143	C - H	318	- 679
K-B	343	- 702	H-D	313	- 809
L - A	7	-4	D - G	77	- 79
B - J	166	- 205	G-E	438	- 116
J - C	905	- 364	E-F	118	- 292

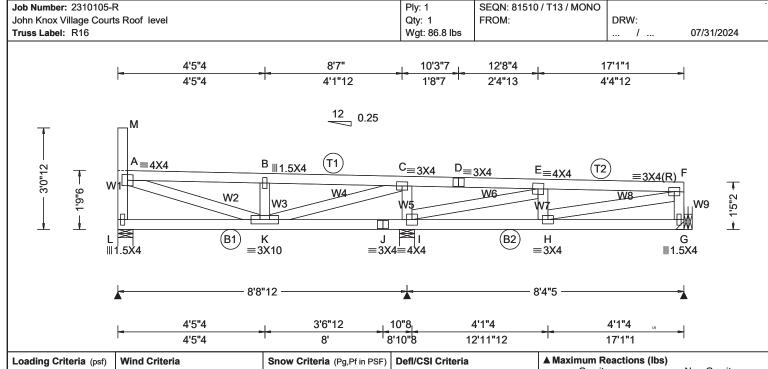


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======	Giitoila (po				
TCLL:	30.00				
TCDL:	15.00				
BCLL:	0.00				
BCDL:	10.00				
Des Ld:	55.00				
NCBCLL	0.00				
Soffit:	2.00				
Load Duration: 1.25					
Spacing:	24.0 "				

Wind Criteria
Wind Std: ASCE 7-16
Speed: 109 mph
Enclosure: Closed
Risk Category: II
EXP: B
Mean Height: 44.62 ft
TCDL: 5.0 psf
BCDL: 4.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by L FT/RT:20(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/#
VERT(LL): 0.022 E 999 360
VERT(TL): 0.054 E 999 240
HORZ(LL): 0.002 A - HORZ(TL): 0.005 A - Creep Factor: 2.0
Max TC CSI: 0.806
Max BC CSI: 0.420
IMaxadAeb CSI: 0.577
Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Gravity				Non-Gravity				
Loc	: R+	/ R-	/ Rh	/Rw	/ U	/ RL		
L	376	/-	/-	/185	/56	/58		
1	1409	/-	/-	/527	/141	/-		
G	566	/-	/-	/166	/43	/-		
wir	Wind reactions based on MWFRS							
L	Brg W	/id = 5.	5 Min F	Req = 1.5	5			
1	Brg W	/id = 5.	5 Min F	Req = 1.5	5			
G	Brg W	/id = -	Min F	Req = -				
ъ.	Bearing at Albana and at the configuration							

Bearings L & I are a rigid surface. Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp.

 А - В	283	- 604	D-E	594	- 169
B - C	276	- 607	E-F	178	- 979
C - D	597	- 169			

Chords Tens. Comp.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
L-K	222	- 119	I - H	1022	- 197	
K - J	119	-415	H - G	40	-9	
J - I	119	- 415				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs	Tens.	Comp.
L-A	173	- 333	C - I	321	-819
A - K	588	- 329	I-E	390	- 1596
M - A	7	-4	E-H	94	- 207
K - B	210	- 382	H-F	969	- 173
K - C	082	- 380	F - C	137	- 510

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 90 plf at 0.29 to 90 plf at 17.09
BC: From 20 plf at 0.00 to 20 plf at 17.09
PLT: 225 lb Conc. Load at (10.69,44.51), (14.69,44.42)

Loading

Drifting snow load has been considered for only in plane loading as follows:
Location Lu1 Lu2 Height Pd W 0.29 0.00 20.00 1.29 12.40 3.01
Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

Mine

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

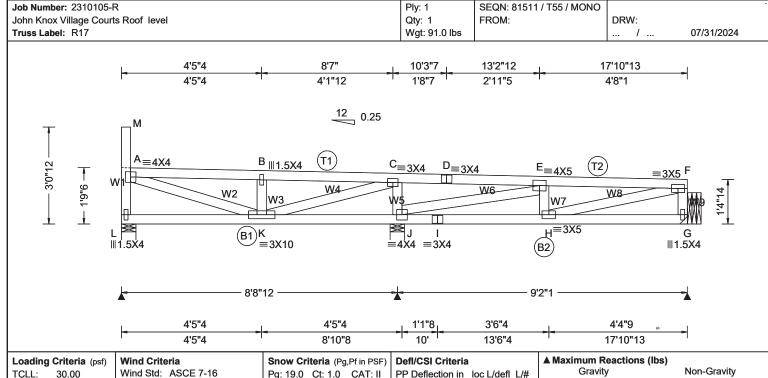


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Loading	Criteria	(pst)
TCLL:	30.00	
TCDL:	15.00	
BCLL:	0.00	
BCDL:	10.00	
Des Ld:	55.00	
NCBCLL:	0.00	
Soffit:	2.00	
Load Dur	ation: 1.2	25
Spacing:	24.0 "	

Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.61 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: Any

GCpi: 0.18

Wind Duration: 1.60

Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE VIEW Ver: 23.02.04A.0207.10

PP Deflection in loc L	/defl	L/#				
VERT(LL): 0.033 E	999	360				
VERT(TL): 0.079 E	999	240				
HORZ(LL): 0.003 G	-	-				
HORZ(TL): 0.007 G	-	-				
Creep Factor: 2.0						
Max TC CSI: 0.811						
Max BC CSI: 0.500						
LMaOxaMaseb CSI: 0.824						
Mfg Specified Camber:						

Gravity				Non-Gravity			
Loc	: R+	/ R-	/ Rh	/Rw	/ U	/ RL	
L	369	/-	/-	/181	/55	/59	
J	1498	/-	/-	/551	/147	/-	
G	576	/-	/-	/186	/49	/-	
Wir	nd reac	tions b	ased on M	IWFRS			
L	Brg W	/id = 5.	5 Min F	Req = 1.5	5		
J	Brg W	/id = 5.	5 Min F	Req = 1.5	5		
G	Brg W	/id = -	Min F	Req = -			
Bearings L & J are a rigid surface.							
Ma	vimum	Ton	hard Far	ooo Bor	Dly /lb	٠١	

Maximum Top Chord Tens. Comp. Chords Tens.Comp. Chords

A - B	267	- 577	D-E	647	- 177
B - C	260	- 580	E-F	228	- 1185
C - D	650	- 176			

Webs 2x4 SP #3 **Special Loads**

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2

Lumber

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)									
TC: From			90 plf at						
BC: From	20 plf at	0.00 to	20 plf at	17.90					
PLT: 225	b Conc. Load	at (10.47.4	4.51). (14.4	7.44.43)					

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height Pd 0.00 20.00 12.40 3.01 1.29 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
L-K	222	- 118	I-H	1235	- 250	
K - J	125	- 452	H - G	41	- 11	
J - I	1235	- 250				

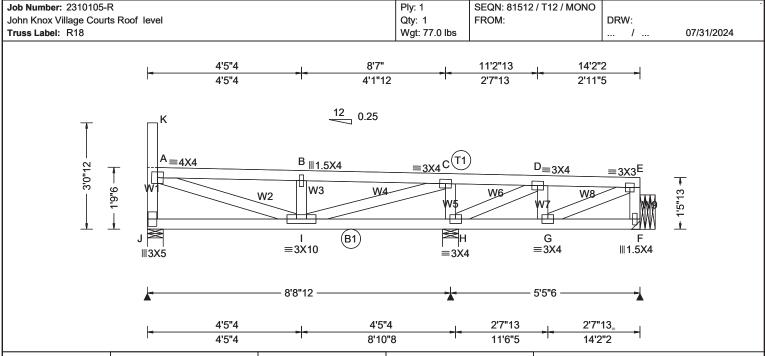
Maximum Web Forces Per Ply (lbs)

webs	Tens.C	omp.	webs	i ens.	Comp.
L - A	167	- 326	C-J	329	- 889
A - K	560	- 313	J-E	448	- 1858
M - A	7	-4	E - H	108	- 234
K - B	202	- 372	H - F	1176	- 221
K-C	971	- 370	F-G	149	- 525

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Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.65 ft TCDL: 5.0 psf	Snow Criteria (Pg Pg: 19.0 Ct: 1.0 Pf: 15.0(specified) Lu: - Cs: 1.00 Snow Duration: 1.1	
NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Code / Misc Criter Bldg Code: IBC 20 TPI Std: 2014 Rep Factors Used: FT/RT:20(0)/10(0) Plate Type(s):	

Wind Duration: 1.60

Defl/CSI Criteria g,Pf in PSF) PP Deflection in loc L/defl L/# CAT: II) Ce: 1.0 VERT(LL): 0.020 B 999 360 VERT(TL): 0.038 B 999 240 0 .15 HORZ(LL): 0.003 A HORZ(TL): 0.005 A eria Creep Factor: 2.0 Max TC CSI: 0.316 2018 Max BC CSI: 0.139 d: Yes Max Web CSI: 0.406 Mfg Specified Camber: Plate Type(s): VIEW Ver: 23.02.04A.0207.10 WAVE

A	▲ Maximum Reactions (lbs)								
Gravity Non-G						/ity			
Lo	c R+	/ R-	/ Rh	/Rw	/ U	/ RL			
J	406	/-	/-	/194	/58	/56			
Н	951	/-	/-	/450	/122	/-			
F	230	/-	/-	/85	/22	/-			
Wi	nd read	ctions b	ased on M	/WFRS					
J	Brg V	Vid = 5.	5 Min F	Req = 1.5	5				
Н	Brg V	Vid = 5.	5 Min F	Req = 1.5	5				
F	Brg V	Vid = -	Min F	Req = -					
Ве	arings	J & H a	re a rigid :	surface.					
Ма	ximun	1 Top C	hord For	ces Per	Ply (lbs	s)			

Chords	Tens.Comp.	Chords	Tens. (comp.
A - B	334 - 710	C-D	344	- 145
B - C	325 - 712	D-E	58	- 198

Maximum Bot Chord Forces Per Ply (lbs)

A - I

K-A

I-B

698 -379

930

7

234 - 400

-4

-407

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

Lumber

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.29 12.40 3.01 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Chords Tens.Comp.			Chords	Tens. C	Comp.		
J - I	218	- 123	H-G	207	-72		
I - H	93	- 204	G-F	7	-3		
Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp.							
J - A	195	- 364	C-H	315	- 635		

H - D

D - G

G-E

E-F

213

68

207

78

- 494

-49

-66

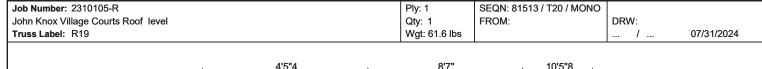
- 202

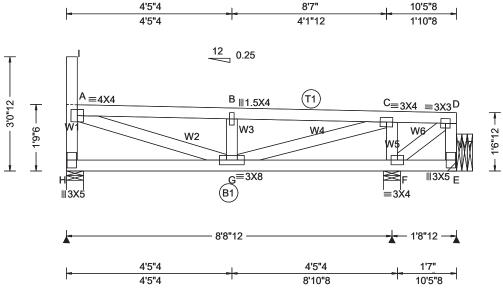


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Coading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15	Defl/CSI Criteria	
NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 44.69 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.316 Max BC CSI: 0.102 Max Web CSI: 0.407 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	

A I	▲ Maximum Reactions (lbs)								
	G	ravity		No	on-Grav	/ity			
Lo	c R+	/ R-	/ Rh	/Rw	/ U	/ RL			
Н	410	/-	/-	/199	/60	/54			
F	925	/-	/-	/438	/118	/-			
Ε	-	/-255	/-	/27	/99	/-			
Wi	nd read	ctions ba	sed on N	/IWFRS					
Н	Brg V	Vid = 5.5	Min F	Req = 1.5	5				
F	Brg V	Vid = 5.5	Min F	Req = 1.5	5				
Ε	Brg V	Vid = -	Min F	Req = -					
Ве	Bearings H & F are a rigid surface.								
Ma	ximun	Top Cl	hord For	ces Per	Ply (lbs	s)			

Chords Tens.Comp. Chords Tens. Comp. 392 - 721 C-D 272 A - B - 135 B - C 382 - 723

Maximum Bot Chord Forces Per Ply (lbs)									
Chords	Tens.C	Comp.	Chords	Tens.	Comp.				
H - G	213	- 130	F-E	1	-2				
G-F	70	_ 138							

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.C	comp.	Webs	Tens. (Comp.			
H - A	224	- 368	G-C	899	- 448			
A - G	709	- 437	C - F	354	-624			
I - A	7	-4	F-D	173	- 343			
G-B	265	- 398	D-F	239	- 91			

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.29 12.40 3.01 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -255# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

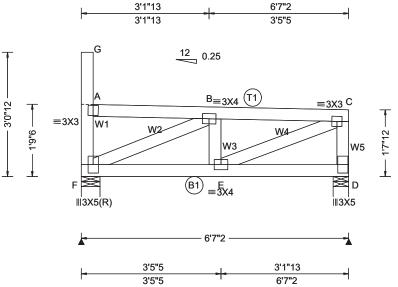


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Job Number: 2310105-R Ply: 1 SEQN: 81514 / T4 / MONO John Knox Village Courts Roof level FROM: DRW: Qty: 1 Truss Label: R20 Wgt: 40.6 lbs / ... 07/31/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.007 B 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.014 B 999 240	F 337 /- /-	/169 /55 /52
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.002 A	D 362 /- /-	/183 /54 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.003 A	Wind reactions based on M	IWFRS
NCBCLL: 0.00	Mean Height: 44.73 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	3	Req = 1.5
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.190		Req = 1.5
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.154	Bearings F & D are a rigid s	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.343	Maximum Top Chord For	* ` '
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. C	Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):	<u> </u>	A - B 119 - 194 E	3 - C 298 - 462
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10		

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.29 12.40 3.01 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

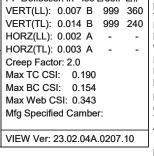
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Tens. Comp. Chords Tens.Comp. Chords F-E 485 - 328 10 -6

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	l ens.	Comp.
F-A	71	-91	B - E	167	- 126
F-B	394	- 519	E-C	489	- 315
G - A	7	-4	C - D	227	- 332

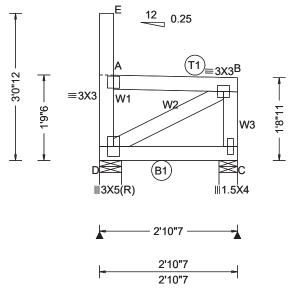


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Job Number: 2310105-R Ply: 1 SEQN: 81515 / T11 / MONO John Knox Village Courts Roof level DRW: Qty: 1 FROM: Truss Label: R21 Wgt: 19.6 lbs / ... 07/31/2024



Coading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.77 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0)	Defi/CSI Criteria
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 23.02.04A.0207.10

▲ M	▲ Maximum Reactions (lbs)							
	(3ravity		No	on-Gra	vity		
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL		
	133		/-	/89	/52	/49		
С	157	/-	/-	/110	/43	/-		
Win	d rea	ctions b	ased on N	/WFRS				
D	Brg \	Nid = 5.	5 Min F	Req = 1.5	5			
С	Brg \	Nid = 4	6 Min F	Req = 1.5	5			
Bea	Bearings D & C are a rigid surface.							
Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.								
A -	В	119	- 193					

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

D-C

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.Comp.	Webs	Tens. C	Comp.				
D - A	90 - 107	E - A	7	-4				
D - B	220 - 125	B-C	160	- 128				

Loading

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2

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

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 1.29 12.40 2.58 0.00 20.00 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



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Truss Label: R22 Wgt: 121.8 lbs / ... 07/31/2024 5'1" 9'10"8 12'3"7 14'9"12 19'9' 24'11"12 4'9"8 2'4"15 4'11"4 4'7"15 2'6"5 5'2"12 12 0.25 A≡4X10 B _{Ⅲ1.5X4} C_{=4X5} D<u>=3x6</u> E_{=3X4} **→** 1'10"9 → W3 (a) .W4 W6 W8 W10 |<u>=</u>6X8 K ≡SS0312 (B2) J ⊪4X6(R) (B1) =3X4 24'11"12 5'1" 5'1" 1'10" 4'11"12 4'10"12 3'1"4 5'1' 10'2' 15'1"4 20'1" 24'11"12

Ply: 1

Qty: 8

SEQN: 81516 / T21 / MONO

FROM:

DRW:

Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.64 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 28.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, 18SS	Defi/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.573 E 523 360 VERT(TL): 1.053 E 284 240 HORZ(LL): 0.078 A HORZ(TL): 0.143 A Creep Factor: 2.0 Max TC CSI: 0.794 Max BC CSI: 0.599 Max Web CSI: 0.879 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	H Brg Wid = - Min Ro Bearing N is a rigid surface. Maximum Top Chord Forc Chords Tens.Comp. C A - B 966 - 3851 D B - C 960 - 3855 E	Non-Gravity / Rw / U / RL /627 /165 /60 /637 /168 /- WFRS eq = 1.5 eq = - res Per Ply (lbs) hords Tens. Comp. - E 1440 -6029 - F 1519 -6437
Lumber				C-D 1441-6024 F	- G 1091 - 4674

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

John Knox Village Courts Roof level

Top chord 2x4 SP #1 Bot chord 2x4 SP 2400f-2.0E

Webs 2x4 SP #3 W2 2x4 SP #2; W10 2x4 SP #1;

(a) Continuous lateral restraint equally spaced on member.

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height Pd 0.00 24.69 1.19 9.1 Location Lu1 9.19 2.23 0.29 1.19 Where: Lu1 = leeward distance, Lu2 = windward distance

Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.57" DL: 0.48". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

ı			0	. от.о. о отр.	
ı		966 - 3851	D-E	1440 - 6029	
	A-B B-C C-D	960 - 3855	E-F	1519 - 6437	
J	C - D	1441 - 6024	F-G	1091 - 4674	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
N - M	151 - 100	K-J	6497 - 1540	
M - L	5975 - 1430	J - I	4893 - 1157	
L-K	6497 - 1540	I - H	63 - 16	
		• .		

Maximum Web Forces Per Ply (lbs)

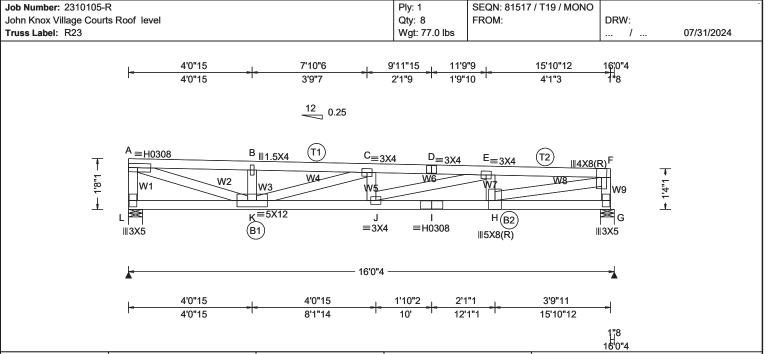
Webs	Tens.Comp.	Webs	i ens.	Comp.
N - A	329 - 1293	L-E	158	- 491
A - M	3893 - 932	E-J	131	- 300
O - A	5 -3	J-F	1586	- 365
M - B	154 - 361	F-I	291	-942
M - C	545 - 2211	I-G	4711	- 1097
C-L	234 - 3	G-H	331	- 1307



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			16'0"4
Wind Criteria Wind Std: ASCE 7-16	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): HS. WAVE	Defi/CSI Criteria PP Deflection in loc L/defi L/# VERT(LL): 0.159 C 999 360 VERT(TL): 0.291 C 654 240 HORZ(LL): 0.029 A HORZ(TL): 0.053 A Creep Factor: 2.0 Max TC CSI: 0.393 Max BC CSI: 0.719 Max Web CSI: 0.881 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	A Maximum Reactions (lbs) Gravity Loc R+ /R- /Rh /Rw /U /RL
Time Danation 1199	1 ,		C D 705 0070

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.16" DL: 0.13". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

C - D 785 - 2872

Maximum Bot Chord Forces Per Ply (lbs)

L - K 24 0 I - H 2403 - 668 K - J 2886 - 794 H - G 34 - 10 J - I 2403 - 668	Chords	Tens.Comp.		Chords	Tens. Comp.		
	K - J	2886	- 794				

Maximum Web Forces Per Ply (lbs)

rens.comp.		vvebs	rens. (Jonip.
253	- 828	J-E	490	- 115
2212	-614	E-H	214	- 566
167	- 386	H-F	2312	-628
232	- 804	F-G	248	-826
65	- 65			
	253 2212 167 232	253 - 828 2212 - 614 167 - 386 232 - 804	253 -828 J-E 2212 -614 E-H 167 -386 H-F 232 -804 F-G	253 -828 J-E 490 2212 -614 E-H 214 167 -386 H-F 2312 232 -804 F-G 248



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Wgt: 155.4 lbs / ... Truss Label: R24 07/25/2024 31'9"12 1"8 15'9"2 5'4"13 10'6"1 14'3"7 21'0"3 26'3"3 31'8"4 5'4"13 5'1"5 3'9"5 1'5"11 5'3"1 1'3"4 3'11"13 5'5"1 12 0.25 B _{Ⅲ1.5X4} (T2) 2 III5X6(R) W6 W12 Q B1 ≡4X10 (B3) K ⊪5X6(R) M L ≡3X4 ≡3X4 ∭1.5X4 =5×5 **∥1.5X4** 115X8(R) 16'0"4 15'9"8 5'4"13 5'4"13 2'0"10 3'9"2 1'5"15 5'3"1 5'1"9 5'4"13 10'9"9 14' 19'9"12 21'3"11 26'6"11 31'8"4 16'0"10

Ply: 1

Qty: 6

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.119 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.239 H 786 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.015 A
Des Ld: 55.00	EXP: B		HORZ(TL): 0.030 A
NCBCLL: 0.00	Mean Height: 44.69 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.970
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.599
Spacing: 24.0 "	C&C Dist a: 3.18 ft	Rep Factors Used: Yes	Max Web CSI: 0.974
. •	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Job Number: 2310105-R

John Knox Village Courts Roof level

(a) Continuous lateral restraint equally spaced on member.

Wind

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

End verticals not exposed to wind pressure.

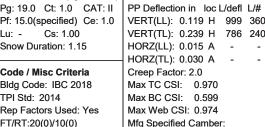
Deflection

Max JT VERT DEFL: LL: 0.12" DL: 0.15". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



▲ Maximum Reactions (lbs) Gravity

SEQN: 81518 / T25 / MONO

FROM:

DRW:

/R /Rh /Rw /U R+ R 730 /-/316 /86 /60 Ν 2122 /_ /985 /260 /-710 /-/308 /81 /-Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Truss) Brg Wid = 5.5 Min Req = 2.1 (Truss) Brg Wid = 5.5 Min Req = 1.5 (Truss) Bearings R, N, & J are a rigid surface. Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
A - B	312 - 1704	E-F	1933 - 393	
B - C	307 - 1708	F-G	183 - 1234	
C - D	171 - 1251	G-H	182 - 1241	
D-F	170 - 1254	H-I	374 - 2012	

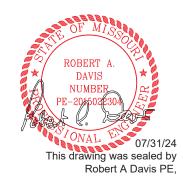
Non-Gravity

Mavimum	Bot Chord I	Forces Per	Dly (lhe	١
D-E	170 - 1254	H - I	374	- 20

Chords	Tens.Comp.	Chords	Tens. Comp.	
R-Q	139 - 66	N - M	1172 - 173	
Q-P	1357 - 190	M - L	1172 - 173	
P - O	336 - 1662	L-K	2082 - 402	
O - N	336 - 1662	K - J	58 - 12	

Maximum Web Forces Per Ply (lbs)						
O - N	336 - 1662	K-J	58	- 12		
P-0	336 - 1662	L-K	2082	- 402		
Q-P	1357 - 190	IVI - L	11/2	- 173		

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
R-A	168	- 681	E-N	328	- 1298
A - Q	1702	- 369	N - F	595	- 2815
S - A	4	-3	F-L	328	-8
Q - B	169	- 476	L-H	233	- 1046
Q-C	611	- 100	H - K	127	-310
C-P	187	- 619	K-I	1990	- 366
P - E	2556	- 509	I - J	152	- 655

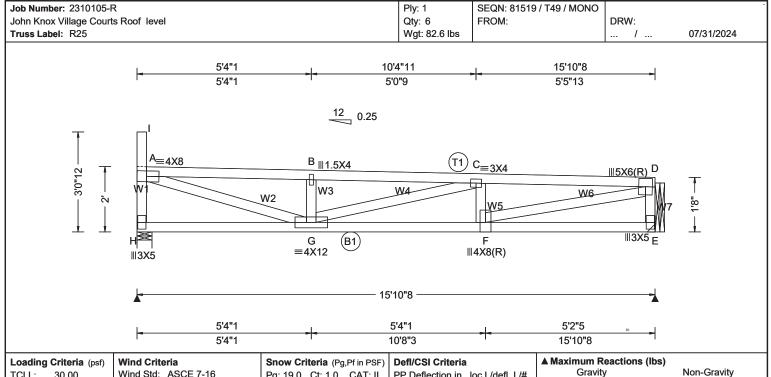


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Loading C	Criteria (psf)
TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00
Load Dura	ition: 1.25
Spacing: 2	24.0 "
l	

Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.85 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft

GCpi: 0.18

Wind Duration: 1.60

Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.113 C 999 360 VERT(TL): 0.209 C 913 240 HORZ(LL): 0.020 A HORZ(TL): 0.036 A Creep Factor: 2.0 Max TC CSI: 0.710 Max BC CSI: 0.598 Max Web CSI: 0.829 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Gravity

R+ / R-/Rw /U Н 847 /-/397 /107 /50 Ε 873 /408 /109 Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 Н Brg Wid = -Е Min Req = -Bearing H is a rigid surface.

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

A - B 632 - 2073 624 - 2077 B-C

C - D 614 - 2151

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.		Cnords	rens. C	omp.	
H-G G-F	125 2235		F-E	43	- 13	

Maximum Web Forces Per Ply (lbs)

vvebs	Tens.Comp.		Webs	Tens. (Jomp.
H - A		- 798	G-C		- 170
A - G	2081	- 624	C-F	211	- 464
I - A	4	-3	F-D	2176	-619
G - B	196	- 432	D - E	263	-820

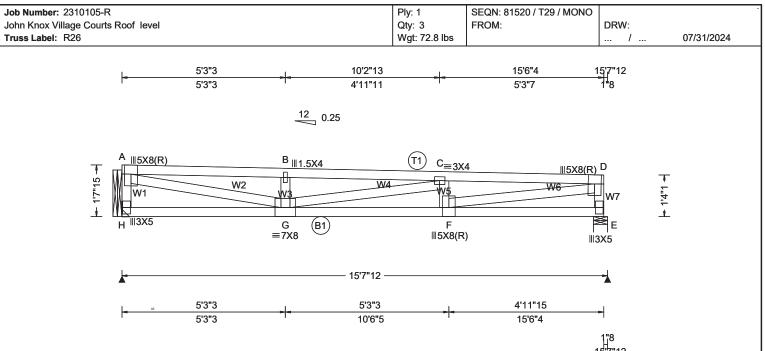


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				15'7"12	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.164 C 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.300 C 619 240	H 854 /- /-	/393 /104 /10
BCDL: 10.00	Risk Category: II EXP: B	Snow Duration: 1.15	HORZ(LL): 0.027 A	E 854 /- /-	/393 /102 /-
Des Ld: 55.00			HORZ(TL): 0.050 A	Wind reactions based on MW	
NCBCLL: 0.00	Mean Height: 44.52 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	H Brg Wid = - Min Red	
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.730	E Brg Wid = 5.5 Min Red	q = 1.5 (Truss)
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.742	Bearing E is a rigid surface.	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.980	Maximum Top Chord Force	• • •
- - - - - - - - - -	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Ch	ords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		A - B 697 - 2501 C -	D 708 - 2583
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	B - C 692 - 2502	

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.16" DL: 0.13". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (IDS)						
Chords	hords Tens.Comp.		Chords	Tens. C	omp.	
H - G	44	0	F-E	60	- 18	
G-F	2687	- 753				

Maximum Web Forces Per Ply (lbs)

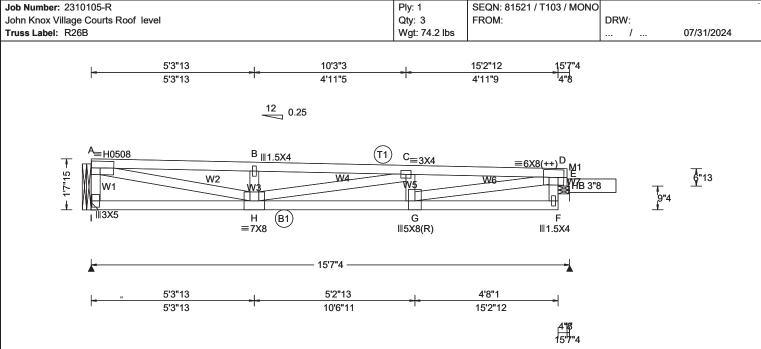
vvebs	rens.Comp.		vvebs	rens. (Comp.	
A - H		- 798	C-F	199	-450	
A - G	2533	- 709	F-D	2573	- 702	
G-B	212	- 489	D-E	249	- 797	
G-C	71	- 195				



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				1011				
" /		(g,)		▲ Maximum Reactions (Ibs Gravity	s) Non-Gravitv			
TCLL: 30.00 TCDL: 15.00	Wind Std: ASCE 7-16 Speed: 109 mph	Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0	PP Deflection in loc L/defl L/# VERT(LL): 0.151 B 999 360	1 D. /D' /Db	/Rw /U /RL			
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II	Lu: - Cs: 1.00 Snow Duration: 1.15	VERT(TL): 0.276 B 666 240 HORZ(LL): 0.025 A	I 843 /- /- E 858 /- /-	/388 /102 /10 /392 /106 /-			
Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00	EXP: B Mean Height: 44.52 ft TCDL: 5.0 psf BCDL: 4.0 psf	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014	HORZ(TL): 0.046 A Wind reactions based on MWFRS Creep Factor: 2.0 Max TC CSI: 0.708 Max BC CSI: 0.711 Wind reactions based on MWFRS I Brg Wid = - Min Req = - E Brg Wid = 4.5 Min Req = 1.5 (Sup Bearing E is a rigid surface.					
Spacing: 24.0 "	pad Duration: 1.25 pacing: 24.0 " MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft		Max Web CSI: 0.711 Max Web CSI: 0.955 Mfg Specified Camber:	Maximum Top Chord Ford Chords Tens.Comp. C	tes Per Ply (lbs) hords Tens. Comp.			
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): HS, WAVE	VIEW Ver: 23.02.04A.0207.10	A - B 691 - 2479 C B - C 686 - 2479	- D 673 - 2463			

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 Rt Bearing Leg: 2x4 SP #3;

Plating Notes

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

Wind

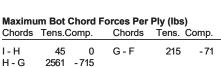
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Web Forces Per Ply (lbs)

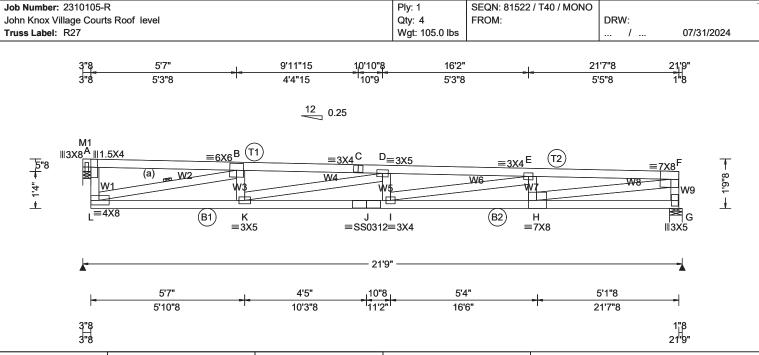
Webs	Tens.Comp.		Webs	ebs Tens. Comp		
A - I A - H	250 2508	- 787	C-G G-D	187 2299	- 429 - 614	
			~ -		• • • •	
H - B		- 501	E-F	53	0	
H - C	38	- 90	D - E	479	- 1332	



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	5'10"8	10'3"8	1'2" 16'6"	21'7"8	
3"8 3"8					1 <u>"</u> 8 21"9"
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.59 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft	Snow Criteria (Pg,Pf in PS Pg: 19.0 Ct: 1.0 CAT: I Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl	Loc R+ / R- / Rh	Non-Gravity
	GCpi: 0.18 Wind Duration: 1.60	WAVE, 18SS	VIEW Ver: 23.02.04A.0207.1		D - E 1236 - 5035 E - F 992 - 4066

Value Set: NDS 2015

Top chord 2x4 SP #2 T2 2x4 SP #1; Bot chord 2x4 SP #1 Webs 2x4 SP #3 W8 2x4 SP #2; Lt Bearing Leg: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.44" DL: 0.37". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

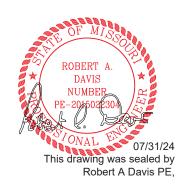
C-D 920 - 3737

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K K - J J - I	3641 - 901 5045 - 1246 5045 - 1246	I - H H - G	4240 - 1051 70 - 18

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens. Comp.
L-A	1016 - 222	I-E	809 - 181
L-B	937 - 3777	E-H	259 - 745
B - K	448 - 33	H-F	4072 - 991
K-D	349 - 1355	F-G	301 - 1116
D - I	80 -77		

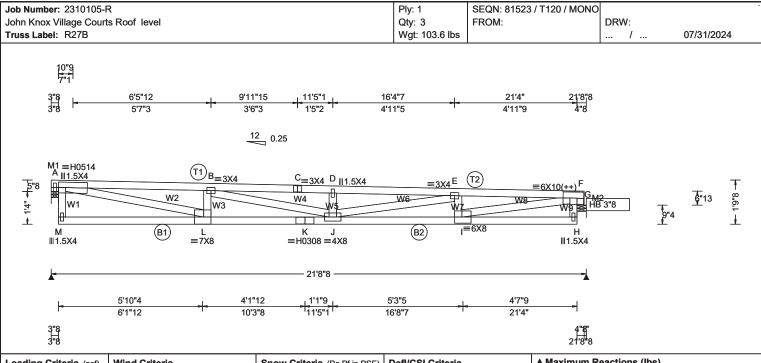


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TCLL: 30.00 W TCDL: 15.00 SI BCLL: 0.00 EI BCDL: 10.00 F	Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15	PP Deflection in loc L/defl L/# VERT(LL): 0.419 D 609 360 VERT(TL): 0.765 D 333 240 HORZ(LL): -0.071 F -
Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 44.59 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft GCpi: 0.18 Wind Duration: 1.60	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	HORZ(TL): 0.130 F Creep Factor: 2.0 Max TC CSI: 0.854 Max BC CSI: 0.742 Max Web CSI: 0.890 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10

ΔI	▲ Maximum Reactions (lbs)								
	G	ravity		N	on-Grav	/ity			
Lo	c R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
A	1181	/-	/-	/541	/145	/14			
G	1186	/-	/-	/543	/146	/-			
Wi	nd read	tions b	ased or	n MWFRS					
Α	Brg V	Vid = 3.	5 Mii	n Req = 1.	5 (Truss	s)			
G	Brg V	Vid = 4.	5 Mii	n Req = 1.	5 (Supp	ort)			
Ве	arings /	4 & G a	are a rig	jid surface.					
Ma	Maximum Top Chord Forces Per Ply (lbs)								
Ch	Chords Tens.Comp. Chords Tens. Comp.								
Α-	В	953 -	3844	D-E	1222	- 4968			
B-	_	1226 -		F-F	926	- 3804			

Value Set: NDS 2015

Top chord 2x4 SP 2400f-2.0E T2 2x4 SP #2; Bot chord 2x4 SP #1 Webs 2x4 SP #3 W2,W3,W8,W9 2x4 SP #2; Lt Bearing Leg: 2x4 SP #3; Rt Bearing Leg: 2x4 SP #3;

Plating Notes

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

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

End verticals not exposed to wind pressure.

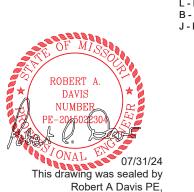
Deflection

Max JT VERT DEFL: LL: 0.42" DL: 0.35". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

1225 - 4966

C-D

Cnoras	rens.Comp.		Cnoras	rens. Comp.		
M - L L - K K - J	4022	- 1 - 997 - 997		3978 258	- 984 - 74	

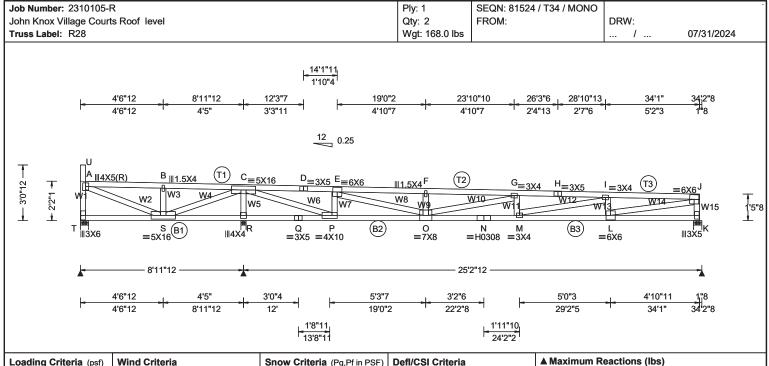
Maximum Web Forces Per Ply (lbs)

vvebs	rens.c	omp.	vvebs	i ens.	Comp.
A - L	3943	- 963	J - E	1011	- 237
M - A	64	0	E-I	250	- 739
L - B	299	- 884	I-F	3630	- 871
B - J	974	- 225	G-H	61	0
J - D	151	- 385	F-G	527	- 1694

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.388 G 775 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.718 G 419 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.044 J
Des Ld: 55.00	EXP: B		HORZ(TL): 0.081 J
NCBCLL: 0.00	Mean Height: 44.83 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.791
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.720
Spacing: 24.0 "	C&C Dist a: 3.42 ft	Rep Factors Used: Yes	Max Web CSI: 0.985
	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

		Gr	avity	Non-Gravity			
	Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL
	Т	134	/-483	/-	/35	/117	/55
	R	2838	/-	/-	/1316	/347	/-
	K	1131	/-	/-	/519	/136	/-
	Win	d react	ions bas	ed on MW	/FRS		
	Т	Brg W	id = 5.5	Min Re	q = 1.5	(Truss)
	R	Brg W	id = 3.5	Min Re	q = 3.0	(Truss)
	K	Brg W	id = 5.5	Min Re	q = 1.5	(Truss)
	Bearings T, R, & K are a rigid surface.						
	Max	kimum	Top Ch	ord Force	s Per F	Ply (lbs	(
_				no Ch			, Comr

- 3171 A - B 1476 - 243 F-G 635 B - C 1476 - 244 G - H 845 - 4254 - 307 - 4259 C-D 68 H - I 845 669 - 3383 D-E 68 - 311 I - J E-F 638 - 3170

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

End verticals not exposed to wind pressure.

Webs 2x4 SP #3 W6,W8,W14 2x4 SP #2;

Top chord 2x4 SP #1 T3 2x4 SP #2;

Bot chord 2x4 SP #1 B1 2x4 SP #2;

Lumber

Value Set: NDS 2015

Max JT VERT DEFL: LL: 0.39" DL: 0.38". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Negative reaction(s) of -483# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Chords	Tens.Comp.	Chords	Tens. (Comp.
T-S	125 -41	O - N	4273	- 854
S - R	701 - 3518	N - M	4273	- 854
R-Q	700 - 3514	M - L	3538	-713
Q-P	700 - 3514	L-K	53	- 11
P-0	538 - 105			

Maximum Bot Chord Forces Per Ply (lbs)

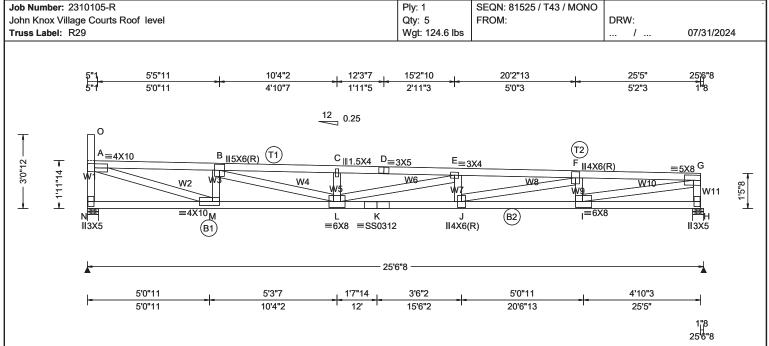
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
T - A	524 - 92	E-0	2784	- 546
A - S	320 - 1558	0 - F	145	- 436
U - A	4 -2	0 - G	239	- 1159
S-B	144 - 439	G - M	91	- 96
S-C	2584 - 468	M - I	740	- 184
R-C	568 - 2688	I-L	210	- 725
C-P	4015 - 791	L - J	3419	- 673
P-E	312 - 1266	J - K	237	- 1072

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Value Set: NDS 2015

Top chord 2x4 SP #2 Bot chord 2x4 SP 2400f-2.0E

Webs 2x4 SP #3 W2 2x4 SP #2; W10 2x4 SP #1;

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.57" DL: 0.48". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	131 -87	K - J	6219 - 1458
M - L	3908 - 948	J - I	4599 - 1078
L - K	6219 - 1458	I - H	55 - 14

Maximum Web Forces Per Ply (lbs)

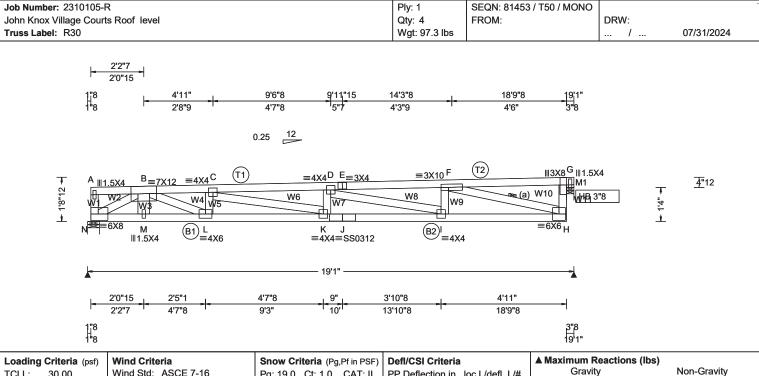
Webs	Tens.Comp.	Webs	l ens.	Comp.
N - A	333 - 1319	L-E	133	- 424
A - M	3780 -890	E-J	137	- 322
O - A	4 -3	J-F	1610	- 365
M - B	310 - 1004	F-I	296	- 975
B-L	2000 -475	I-G	4450	- 1027
L-C	153 -410	G-H	334	- 1334



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.470 D 480 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.631 D 357 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.082 B
Des Ld: 55.00	EXP: B		HORZ(TL): 0.110 B
NCBCLL: 0.00	Mean Height: 44.55 ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.981
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.994
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMa0xalAkeb CSI: 0.948
1 3 -	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	-
	Wind Duration: 1.60	WAVE, 18SS	VIEW Ver: 23.02.04A.0207.10

N 245	8 /-	/-	/477	/867	/12
G 122	2 /-	/-	/478	/221	/-
Wind re	actions	based o	n MWFRS		
N Brg	Wid = 5	5.5 Mi	n Req = 2.0	0 (Truss	s)
G Brg	Wid = 3	3.5 Mi	n Req = 1.	5 (Truss	s)
Bearing	s N & G	are a riç	gid surface.		
Maximu	ım Top	Chord F	orces Per	Ply (lbs	s)
Chords	Tens.C	omp.	Chords	Tens.	Comp.
A - B	9	- 28	D-E	757	- 3642
B-C	1525	- 5354	E-F	758	- 3641
, C D	1101	E206	E C	22	0

/Rw /U

Loc R+

/ R-

Lumber

Value Set: NDS 2015

Top chord 2x4 SP #2

Bot chord 2x4 SP 2400f-2.0E B2 2x4 SP #1; Webs 2x4 SP #3 W3 2x6 SP #1;

Rt Bearing Leg: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 90 plf at 0.00 to 90 plf at BC: From 20 plf at 0.00 to 20 plf at 18.67 TC: 1600 lb Conc. Load at 2.08

Wind

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

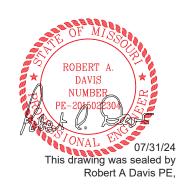
End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.47" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
N - M	4321 - 1552	K-J	5274 - 1168	
M - L	4321 - 1552	J - I	5274 - 1168	
L-K	5406 - 1506	I - H	3515 - 758	

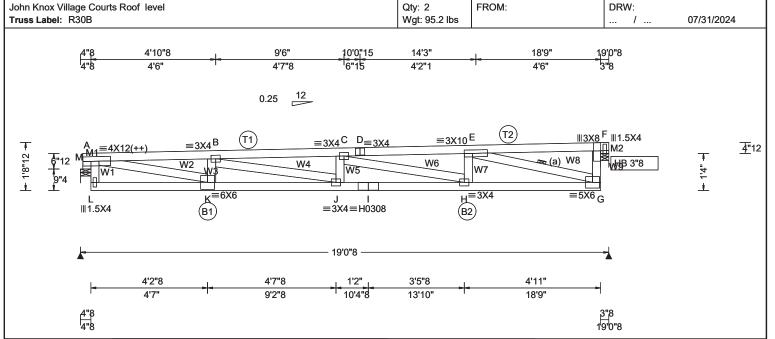
Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens. (comp.
A - N	37 - 126	K-D	128	- 234
N - B	1742 - 4850	D - I	486	- 1703
B - M	83 -42	I-F	578	- 96
B - L	1834 - 387	F-H	794	- 3679
L-C	196 - 711	G - H	1076	- 208
C - K	1212 - 351			

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SEQN: 81527 / T101 / MONO

Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.286 C 781 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.522 C 428 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.025 F
Des Ld: 55.00	EXP: B Mean Height: 44.55 ft		HORZ(TL): 0.045 F
NCBCLL: 0.00	TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.679
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.961
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.653
	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

	▲ Ma	aximu	ım Rea	ctions	(lbs)		
		G	ravity		N	on-Grav	/ity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	М	1039	/-	/-	/475	/128	/12
	F	1034	/-	/-	/473	/128	/-
	Wind	d reac	tions ba	sed on	MWFRS		
	М	Brg W	/id = 4.5	5 Mir	Req = 1.	5 (Supp	ort)
	F	Brg W	/id = 3.5	5 Mir	n Reg = 1.	5 (Truss	s) ´
	Bear	rings M	VI&Fa	re a rig	id surface.	•	,
	Max	imum	Top C	hord F	orces Per	Ply (lbs	s)
	Cho	rds T	ens.Co	mp.	Chords	Tens.	Comp.
	A - E	3	760 - 3	3015	D-E	745	- 2935
	B - C		986 - 3	3873	E-F	17	-8
	C - E)	744 - 2	2936			-

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP #2 Bot chord 2x4 SP #2

Webs 2x4 SP #3 W2,W3 2x4 SP #2;

Lt Bearing Leg: 2x4 SP #3;

Rt Bearing Leg: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Wind

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

End verticals not exposed to wind pressure.

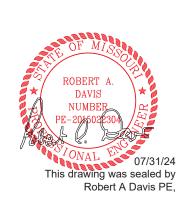
Deflection

Max JT VERT DEFL: LL: 0.29" DL: 0.24". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Chords Tens.Com		Chords	Tens.	Comp.
L - K K - J J - I	204 3168 3889 -	-831	I - H H - G		- 1015 - 746

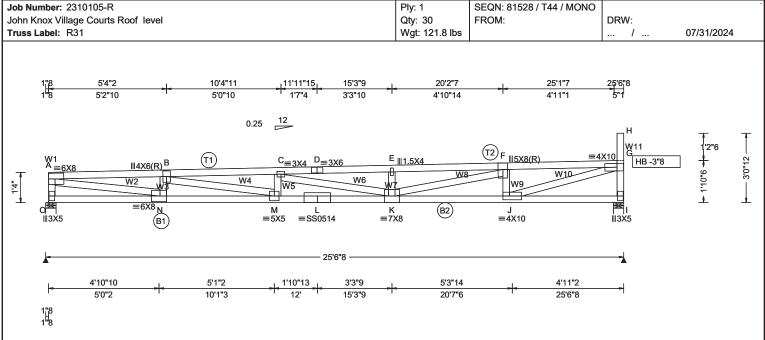
Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	i ens.	Comp.
A - M	53 0	J-C	80	- 95
A - K	2892 - 732	C - H	274	- 996
M - A	401 - 1415	H - E	376	- 29
M - L	53 0	E-G	782	- 2984
K - B	229 - 644	F-G	881	- 204
B - J	723 - 171			

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TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.62 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 28.50 ft	Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0)	PP Deflection in loc L/defl L/# VERT(LL): 0.637 C 478 360 VERT(TL): 1.170 C 260 240 HORZ(LL): 0.068 A HORZ(TL): 0.125 A Creep Factor: 2.0 Max TC CSI: 0.868 Max BC CSI: 0.639 Max Web CSI: 0.901 Mfg Specified Camber:	O 1398 /- /- I 1372 /- /- Wind reactions based on M O Brg Wid = 5.5 Min F I Brg Wid = 5.5 Min F Bearings O & I are a rigid s Maximum Top Chord For	Req = 1.5 (Truss) Req = 1.5 (Truss) surface.
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE. 18SS	VIEW Ver: 23.02.04A.0207.10		D - E 1500 - 6309 E - F 1504 - 631

Value Set: NDS 2015

Top chord 2x4 SP #1 Bot chord 2x4 SP 2400f-2.0E

Webs 2x4 SP #3 W2 2x4 SP #1; W10 2x4 SP #2;

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height 0.00 25.25 1.20 Location Lu1 9.66 2.35 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

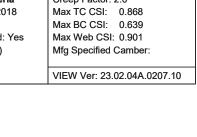
Deflection

Max JT VERT DEFL: LL: 0.63" DL: 0.53". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp	
O - N N - M	66 - 135 5089 - 1249	L-K K-J	6823 - 1605 4149 - 976	-
M - L	6823 - 1605	J - I	111 -64	-

Maximum Web Forces Per Ply (lbs)

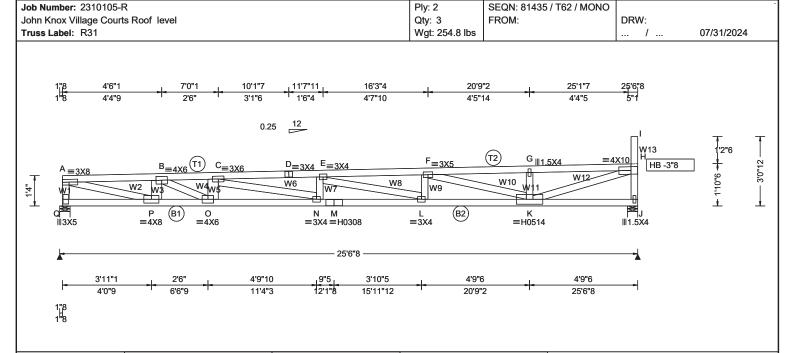
Webs	Tens.Comp.	Webs	Tens.	Comp.
A - O	334 - 1330	E-K	156	- 416
A - N	4895 - 1131	K-F	2250	- 535
N - B	295 - 964	F-J	311	- 1009
B - M	1714 - 389	J - G	3992	- 940
M - C	134 - 306	G-I	332	- 1320
C - K	161 - 534	H - G	5	-3



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Coading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.62 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 28.50 ft	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0)	PDefil/CSI Criteria PP Deflection in loc L/defi L/# VERT(LL): 0.575 E 530 360 VERT(TL): 0.748 E 407 240 HORZ(LL): 0.069 A HORZ(TL): 0.090 A Creep Factor: 2.0 Max TC CSI: 0.440 Max BC CSI: 0.488 IM⊴2≳AMeb CSI: 0.875 Mfg Specified Camber:
Spacing: 24.0 "			
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10
Lumber	•	Deflection	•

Value Set: NDS 2015 Top chord 2x4 SP #1 Bot chord 2x4 SP 2400f-2.0E Webs 2x4 SP #3 W2 2x4 SP #2; W3,W5 2x6 SP #1;

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" 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) 90 plf at 20 plf at TC: From 0.00 to 90 plf at 25.13 BC: From 20 plf at 0.00 to TC: -1100 lb Conc. Load at 4.15

TC: 1600 lb Conc. Load at 6.65

Loading

Drifting snow load has been considered for only In plane loading as follows:
Location Lu1 Lu2 Height
25.25 0.00 25.25 1.20 9.66 2.35 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.57" DL: 0.25". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
Q	1924	/-	/-	/648	/443	/61
J	1611	/-	/-	/638	/287	/-
Win	Wind reactions based on MWFRS					
Q	Brg V	Vid = 5.5	Min R	eq = 1.5	(Truss)
J	Brg V	Vid = 5.5	Min R	eq = 1.5	(Truss)
Bearings Q & J are a rigid surface.						
Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds 7	Tens.Con	np. C	hords	Tens.	Comp.

Non-Gravity

▲ Maximum Reactions (lbs) Gravity

Chords	Tens.Comp.	Chords	Tens.	Comp.
A-B B-C C-D D-E	644 - 2770 1185 - 4464 1091 - 4722 1090 - 4719	E-F F-G G-H	791 467 470	- 3850 - 2262 - 2261

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.comp.	Choras	rens. Com	p.
Q-P	38 - 66	M - L	4702 - 10	79
P - O	3073 - 725	L-K	3785 - 7	76
O - N	4811 - 1326	K - J	60 -:	31
N - M	4702 - 1079			

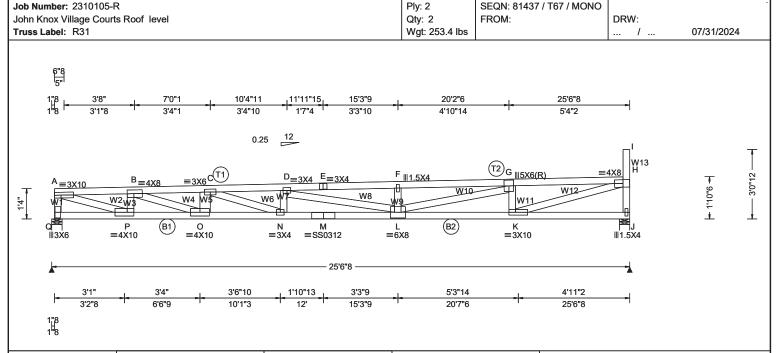
Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Ťens.	Comp.
A - Q	219	-913	E-L	301	- 892
A - P	2823	- 655	L-F	306	- 70
P - B	220	- 825	F-K	367	- 1595
B - O	1946	-712	G-K	71	- 166
O - C	395	- 975	K-H	2297	- 453
C - N	557	- 107	H - J	165	- 778
N - E	74	- 115	I - H	2	-2

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.664 D 459 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.934 D 326 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.086 A
Des Ld: 55.00	EXP: B		HORZ(TL): 0.120 A
NCBCLL: 0.00	Mean Height: 0.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.678
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.627
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana a Alakeb CSI: 0.873
	Loc. from endwall: not in 28.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, 18SS	VIEW Ver: 23.02.04A.0207.10
Lumber		Deflection	

Job Number: 2310105-R

Value Set: NDS 2015 Top chord 2x4 SP #1 Bot chord 2x4 SP 2400f-2.0E Webs 2x4 SP #3 W2,W12 2x4 SP #2; W5 2x6 SP #1;

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" 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) 90 plf at 20 plf at TC: From 0.00 to 90 plf at 25.13 BC: From 0.00 to 20 plf at TC: 1600 lb Conc. Load at 6.65

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu2 Height 25.25 1.20 Location Lu1 25.25 0.00 9.66 2.35 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

Wind

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.66" DL: 0.27". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



07/31/24 This drawing was sealed by Robert A Davis PE,

٨	Maximum	Reactions	(lbs)
	Grav	/ity	

SEQN: 81437 / T67 / MONO

Loc	R+	/ R-	/ Rh	/Rw	/ U	/RL
Q	2579	/-	/-	/648	/785	/61
J	1790	/-	/-	/638	/381	/-
Wir	nd reac	tions bas	ed on MW	/FRS		
Q	Brg W	/id = 5.5	Min Re	q = 1.5	(Truss))
J	Brg W	/id = 5.5	Min Re	g = 1.5	(Truss)
			a rigid su		` '	

Non-Gravity

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	i ens.	Comp.
A - B	1086 - 3422	E-F	1191	- 4712
B - C	1923 - 5844	F-G	1191	- 4713
C - D	1723 - 5904	G-H	609	- 2692
D-E	1191 - 4713			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	rens.Comp.	Chords	rens.	Comp.
Q-P	24 - 63	M - L	5867	- 1697
P - O	3700 - 1180	L-K	2831	- 647
O - N	6150 - 2039	K - J	69	- 32
N - M	5867 - 1697			

Maximum Web Forces Per Ply (lbs)

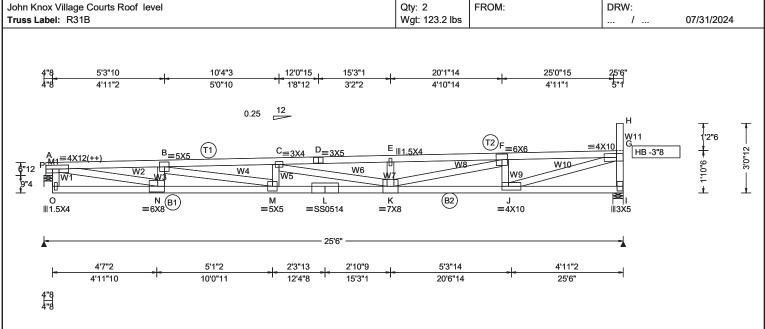
vvebs	rens.Comp.	vvebs	rens. (Jomp.
A - Q	389 - 1251	D-L	523	- 1194
A - P	3571 - 1135	F-L	79	-216
P - B	377 - 1116	L-G	1961	- 567
B - O	2291 - 794	G-K	194	- 708
O-C	328 - 867	K - H	2727	-618
C - N	1004 - 323	H - J	197	-868
N - D	153 - 326	I - H	2	-2

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, 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.



SEQN: 81529 / T77 / MONO

4"8				
CCLL: 30.00 Wind Std: ASCE 7-16 Speed: 109 mph Pf: 15	19.0 Ct: 1.0 CAT: II 15.0(specified) Ce: 1.0 - Cs: 1.00 w Duration: 1.15 le / Misc Criteria g Code: IBC 2018 Std: 2014 p Factors Used: Yes RT:20(0)/10(0) e Type(s):	Pefi/CSI Criteria PP Deflection in loc L/defi L/# VERT(LL): 0.609 C 496 360 VERT(TL): 1.117 C 270 240 HORZ(LL): -0.072 G HORZ(TL): 0.132 G Creep Factor: 2.0 Max TC CSI: 0.866 Max BC CSI: 0.630 Max Web CSI: 0.893 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	1361 /- /- Wind reactions based on I P Brg Wid = 4.5 Min I Brg Wid = 5.5 Min Bearings P & I are a rigid Maximum Top Chord Fo Chords Tens.Comp. A - B 1100 -4668 B - C 1566 -6637	Non-Gravity / Rw / U / RL /645 /174 /61 /632 /165 /- MWFRS Req = 1.5 (Support) Req = 1.5 (Truss) surface.

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP #1 Bot chord 2x4 SP 2400f-2.0E Webs 2x4 SP #3 W2 2x4 SP #1; W3,W10, W11 2x4 SP #2; Lt Bearing Leg: 2x4 SP #3;

Plating Notes

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

Loading

Drifting snow load has been considered for only in plane loading as follows:
Location Lu1 Lu2 Height Pd W
Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.60" DL: 0.50". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
O - N	271 - 97	L-K	6704 - 1551	
N - M	4892 - 1144	K-J	4111 - 971	
M - L	6704 - 1551	J - I	111 - 64	

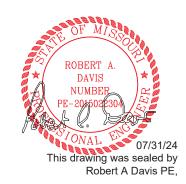
Wehs

Tens Comp

Maximum Web Forces Per Ply (lbs)

Tens Comp

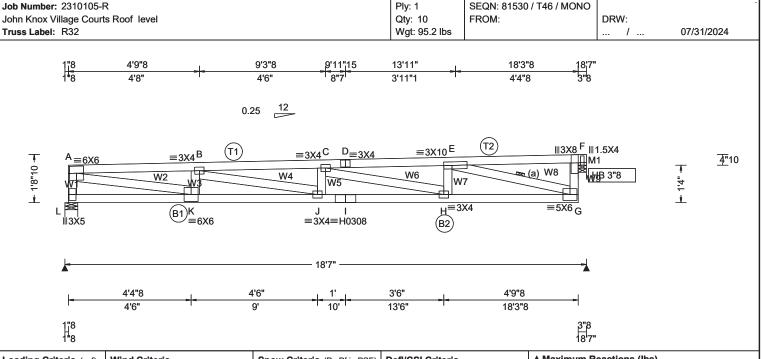
******	rens.comp.	*******	TOTIO.	Comp.
A - P	64 0	C - K	135	-490
A - N	4503 - 1019	E-K	155	- 414
P - A	495 - 1895	K-F	2209	- 512
P-0	64 0	F-J	306	- 999
N - B	283 - 943	J - G	3955	- 920
B - M	1789 -404	G - I	326	- 1309
M - C	139 - 327	H - G	5	-3



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148			18 7"	
Wind Criteria Company Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.55 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h/2 to C&C Dist a: 3.00 ft Loc. from endwall: not in 28. GCpi: 0.18 Wind Duration: 1.60 Wind Criteria Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.55 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h/2 to C&C Dist a: 3.00 ft Loc. from endwall: not in 28. GCpi: 0.18 Wind Duration: 1.60	Rep Factors Used: Yes	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.273 C 805 360 VERT(TL): 0.499 C 440 240 HORZ(LL): 0.040 G HORZ(TL): 0.073 G Creep Factor: 2.0 Max TC CSI: 0.654 Max BC CSI: 0.929 Max Web CSI: 0.682 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	F 1017 /- /- Wind reactions based on M L Brg Wid = 5.5 Min F F Brg Wid = 3.5 Min F Bearings L & F are a rigid s Maximum Top Chord For Chords Tens.Comp. (A - B 771 - 2992	Non-Gravity / Rw / U / RL /464 /121 /12 /465 /127 /- /WFRS Req = 1.5 (Truss) Req = 1.5 (Truss) surface.

Value Set: NDS 2015 Top chord 2x4 SP #2

Job Number: 2310105-R

Bot chord 2x4 SP #2 Webs 2x4 SP #3 W2 2x4 SP #2; Rt Bearing Leg: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.27" DL: 0.23". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

SEQN: 81530 / T46 / MONO

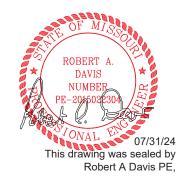
A - B	771 - 2992	D-E	730	- 2836	
B - C	973 - 3758	E-F	18	-8	
C - D	730 - 2837				

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens.	Comp.
L - K K - J J - I	3146	- 31 - 844 - 999		3770 2754	

Maximum Web Forces Per Ply (lbs)

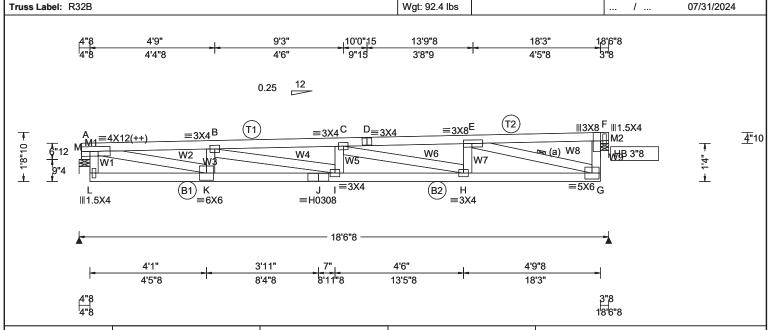
rens.comp.		vvebs	rens.	Comp.
271	- 952	C - H	274	- 977
3022	- 777	H-E	374	- 32
234	- 646	E-G	767	- 2887
629	- 144	F-G	869	- 205
71	- 76			
	271 3022 234 629	271 - 952 3022 - 777 234 - 646 629 - 144	271 -952 C-H 3022 -777 H-E 234 -646 E-G 629 -144 F-G	271 -952 C-H 274 3022 -777 H-E 374 234 -646 E-G 767 629 -144 F-G 869



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Qty: 3

SEQN: 81531 / T95 / MONO

FROM:

DRW:

4"8				1'8'6"8	
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.55 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.259 C 839 360 VERT(TL): 0.472 C 460 240 HORZ(LL): -0.023 F HORZ(TL): 0.042 F Creep Factor: 2.0 Max TC CSI: 0.651 Max BC CSI: 0.914 Max Web CSI: 0.620 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	F 1007 /- /- Wind reactions based on M Brg Wid = 4.5 Mir	Non-Gravity / Rw / U / RL /463 /125 /12 /461 /125 /- n MWFRS n Req = 1.5 (Support) n Req = 1.5 (Truss) id surface.

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

John Knox Village Courts Roof level

Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 W2 2x4 SP #2; Lt Bearing Leg: 2x4 SP #3; Rt Bearing Leg: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

Wind

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.26" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Cilolus	rens.comp.	Cilolus	Tells. Coll	ıμ
A - B	727 - 2856	D-E	717 - 27	97
B - C	948 - 3682	E-F	17	-8
C-D	717 - 2798			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.	
L - K K - J J - I	3006	- 62 - 797 - 797	I - H H - G	3699 2716		

Maximum Web Forces Per Ply (lbs)

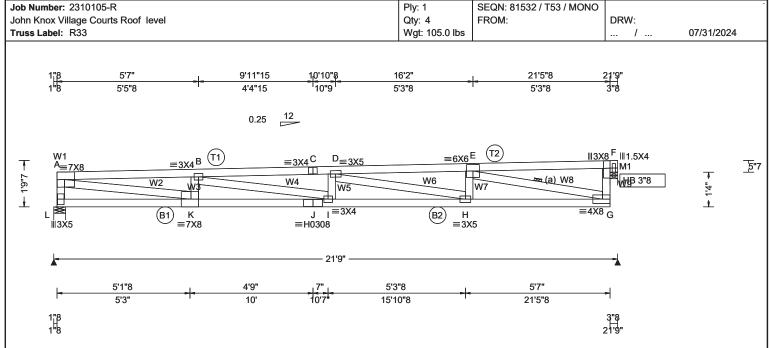
vvebs	rens.Comp.	vvebs	rens.	∪omp.
A - M	51 0	I-C	78	- 95
A - K	2745 - 702	C - H	263	- 943
M - A	388 - 1359	H-E	364	- 29
M - L	51 0	E-G	754	- 2848
K-B	226 - 629	F-G	858	- 201
B - I	696 - 167			



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.58 ft TCDL: 5.0 psf BCDL: 4.0 psf	Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018	PP Deflection in loc L/defl L/# VERT(LL): 0.447 D 576 360 VERT(TL): 0.817 D 315 240 HORZ(LL): 0.055 G HORZ(TL): 0.100 G Creep Factor: 2.0 Max TC CSI: 0.836	
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft GCpi: 0.18 Wind Duration: 1.60	TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Max BC CSI: 0.861 Max Web CSI: 0.923 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 989 - 4082 D - E 907 - 3749 B - C 1228 - 5050 E - F 17 - 8

Value Set: NDS 2015

Top chord 2x4 SP #1 T2 2x4 SP #2; Bot chord 2x4 SP #1 Webs 2x4 SP #3 W2 2x4 SP #2; Rt Bearing Leg: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.45" DL: 0.37". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

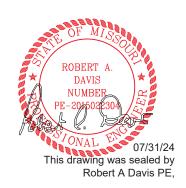
C-D 1228 - 5042

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K K - J J - I	71 - 38 4257 - 1069 4257 - 1069	I - H H - G	5061 - 1257 3652 - 908

Maximum Web Forces Per Ply (lbs)

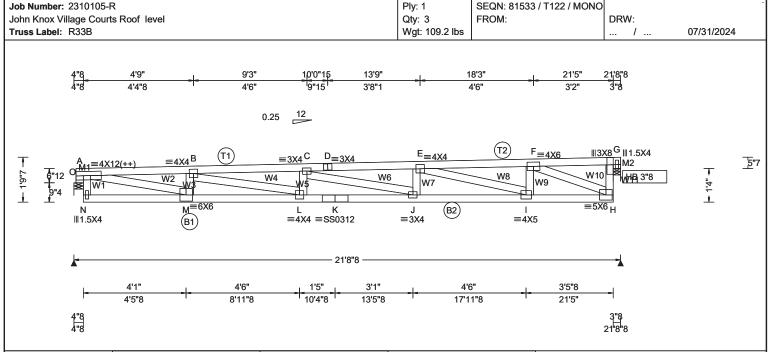
vvebs	rens.Comp.	vvebs	rens. Comp.
A-L	299 - 1116	D-H	354 - 1358
A - K	4087 - 988	H - E	448 - 34
K - B	258 - 744	E-G	944 - 3789
B - I	808 - 175	F-G	1016 - 223
I - D	79 - 76		



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SEQN: 81533 / T122 / MONO

				2100
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.58 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft GCDi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defi/CSI Criteria PP Deflection in loc L/defi L/# VERT(LL): 0.387 C 660 360 VERT(TL): 0.705 C 362 240 HORZ(LL): -0.043 G HORZ(TL): 0.078 G Creep Factor: 2.0 Max TC CSI: 0.679 Max BC CSI: 0.848 Max Web CSI: 0.832 Mfg Specified Camber:	
	Wind Duration: 1.60	WAVE, 18SS	VIEW Ver: 23.02.04A.0207.10	B - C 1185 - 4902 E - F 614 - 2547

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP #2 Bot chord 2x4 SP #1

Webs 2x4 SP #3 W2,W3 2x4 SP #2; Lt Bearing Leg: 2x4 SP #3;

Rt Bearing Leg: 2x4 SP #3;

Plating Notes

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

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

End verticals not exposed to wind pressure.

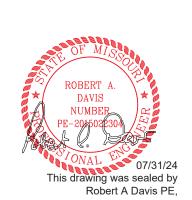
Deflection

Max JT VERT DEFL: LL: 0.38" DL: 0.32". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Chords Tens.Comp.		Chords	rens.	Comp.
A - B	832 - 3478	D-E	1079	- 4453
B-C	1185 - 4902	E-F	614	- 2547
C-D	1079 - 4455	F-G	27	-8

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M M - L L - K	216 - 65 3668 - 912 4954 - 1225	K - J J - I I - H	4954 - 1225 4399 - 1088 2406 - 596

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
A - O	55	0	C - J	143	- 525
A - M	3364	-810	J - E	237	-2
O - A	414	- 1557	E-I	492	- 1946
O - N	55	0	I-F	685	- 115
M - B	253	- 790	F-H	661	- 2667
B - L	1273	- 297	G-H	1127	- 262
L-C	116	- 251			

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Wgt: 166.6 lbs Truss Label: R34 / ... 07/31/2024 10'3"14 20'5"13 23'11"14 25'4"8 29'9"8 34'2"8 11'11"15 15'4"2 5'0"3 1'8"1 5'1"11 3'6"2 4'5' 4'5' 12 0.25 F_{≡4X10} ≡H0308 G (a) (T2) H_{=5X6} W15 E_{≡5X6} (T1) $C_{\equiv 3X5}D_{\equiv 3X5}$ <u>=3X4</u>B HB -3"8 W8 W14 W2 W9 N^M ≡6X8 Q ≡3X5 (B2) (B3) S R ≡3X4 ≡H0308 O ≡3X5 M ≡3X10 =5X6 (B1) 25'2"12 8'11"12 4'10"3 5'0"11 1'11"10 5'0"3 2'10' 4'4' 4'10" 4'11"11 10'0"6 12' 20'0"13 22'2"8 25'0"8 29'4"8 34'2"8 3'0"10 15'0"10

Ply: 1

Qty: 1

SEQN: 81534 / T36 / MONO

FROM:

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.446 C 672 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.827 C 362 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.050 A
Des Ld: 55.00	EXP: B		HORZ(TL): 0.094 A
NCBCLL: 0.00	Mean Height: 44.71 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.963
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.765
Spacing: 24.0 "	C&C Dist a: 3.42 ft	Rep Factors Used: Yes	Max Web CSI: 0.944
. •	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

John Knox Village Courts Roof level

Top chord 2x4 SP #1 T1 2x4 SP #2; Bot chord 2x4 SP #1 B3 2x4 SP #2; Webs 2x4 SP #3 W2,W12 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Wind

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.44" DL: 0.44". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Negative reaction(s) of -506# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

▲ Maximum Reactions (lbs)

DRW:

Gravity				No	n-Gra۱	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	1107	/-	/-	/509	/133	/60
N	2885	/-	/-	/1334	/352	/-
L	125	/-506	/-	/38	/125	/-
Wir	nd reac	tions ba	sed on N	/IWFRS		
U	Brg W	/id = 5.5	Min F	Req = 1.5	(Truss	s)
N	Brg W	/id = 3.5	Min F	Req = 3.0	(Truss	s)
L	Brg W	/id = 5.5	Min F	Req = 1.5	(Truss	s)
_						

Bearings U, N, & L are a rigid surface.

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

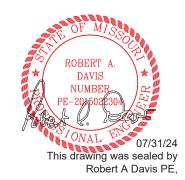
A - B	720 - 3628	F-G	4094	-816
B - C	896 - 4488	G-H	4097	- 815
C - D	650 - 3223	H - I	1711	- 329
D-E	650 - 3220	I - J	72	- 110
E-F	58 - 235			

Maximum Bot Chord Forces Per Ply (lbs)

Tens.Comp.		Chords	Tens.	Comp.
64	- 117	P-0	51	- 98
3792	- 741	O - N	51	- 98
4498	- 884	N - M	769	- 3819
4498	- 884	M - L	292	- 1584
3124	- 650			
	64 3792 4498 4498	64 -117 3792 -741 4498 -884 4498 -884 3124 -650	64 - 117 P - O 3792 - 741 O - N 4498 - 884 N - M 4498 - 884 M - L	64 - 117 P - O 51 3792 - 741 O - N 51 4498 - 884 N - M 769 4498 - 884 M - L 292

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
A - U	232 - 1045	P-F	933	- 126
A - T	3639 - 719	F - N	859	- 4281
T-B	206 - 697	N - H	327	- 1503
B-S	710 - 169	H - M	2655	- 471
S-C	82 - 71	M - I	216	- 887
C - Q	275 - 1338	I - L	1699	- 333
Q-E	456 - 32	J - L	50	- 147
E-P	614 - 3033	K - J	4	-3

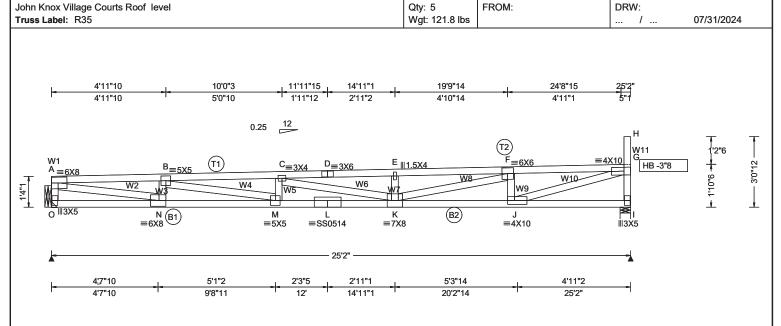


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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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



SEQN: 81535 / T27 / MONO

Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.62 ft TCDL: 5.0 osf	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.604 C 499 360 VERT(TL): 1.110 C 271 240 HORZ(LL): 0.067 A HORZ(TL): 0.122 A Creep Factor: 2.0		/ RL
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft GCpi: 0.18 Wind Duration: 1.60	Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, 18SS	Max TC CSI: 0.841 Max BC CSI: 0.626 Max Web CSI: 0.890 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	A - B 1075 - 4619 D - E 14 B - C 1549 - 6594 E - F 14	(lbs) ns. Comp. 82 - 6207 86 - 6209 72 - 3904

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP #1 Bot chord 2x4 SP 2400f-2.0E

Webs 2x4 SP #3 W2 2x4 SP #1; W10 2x4 SP #2;

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height Pd W Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

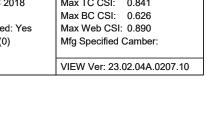
Deflection

Max JT VERT DEFL: LL: 0.60" DL: 0.50". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

	Tens.Comp.		Tens. Co	mp.
O - N	57 - 133	L-K	6661 -	
N - M	4850 - 1200	K - J	4099	- 968
M - L	6661 - 1576	J - I	110	- 64

Maximum Web Forces Per Ply (lbs)

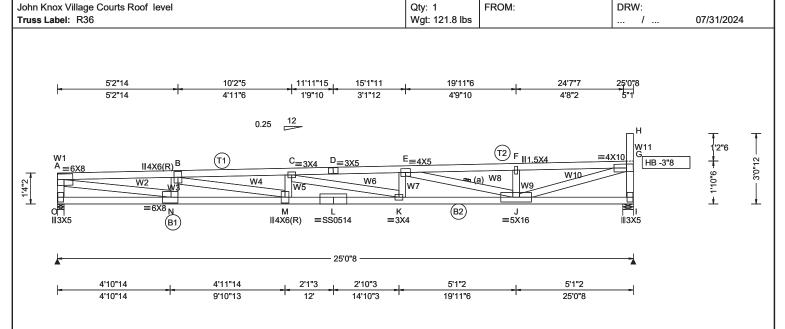
Webs	Tens.Comp.	Webs	l ens.	Comp.
A - O	331 - 1320	E-K	156	- 416
A - N	4670 - 1084	K-F	2197	- 526
N - B	295 - 971	F-J	309	- 996
B - M	1788 -408	J - G	3944	- 933
M - C	140 - 326	G-I	330	- 1306
C - K	147 - 470	H - G	5	-3



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SEQN: 81536 / T28 / MONO

Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.62 ft TCDL: 5.0 psf	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria	Defi/CSI Criteria PP Deflection in loc L/defi L/# VERT(LL): 0.592 C 507 360 VERT(TL): 1.087 C 276 240 HORZ(LL): 0.064 A HORZ(TL): 0.117 A Creep Factor: 2.0	
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft GCpi: 0.18 Wind Duration: 1.60	Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, 18SS	Max TC CSI: 0.814 Max BC CSI: 0.610 Max Web CSI: 0.891 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	Bearings O & I are a rigid surface. Maximum Top Chord Forces Per Ply (Ibs) Chords Tens.Comp. Chords Tens. Comp A - B 1109 -4755 D - E 1461 -6117 B - C 1543 -6545 E - F 973 -3912
Lumber	I		I	□ C - D 1461 - 6120 F - G 979 - 3908

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP #1 Bot chord 2x4 SP 2400f-2.0E

Webs 2x4 SP #3 W2 2x4 SP #1; W10 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height Pd 0.00 24.75 1.20 9.6 Location Lu1 9.66 2.35 24.75 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.59" DL: 0.49". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
O - N N - M M - L	65 - 135 4977 - 1230 6605 - 1566	L - K K - J J - I	6605 - 1566 6066 - 1412 108 - 63	

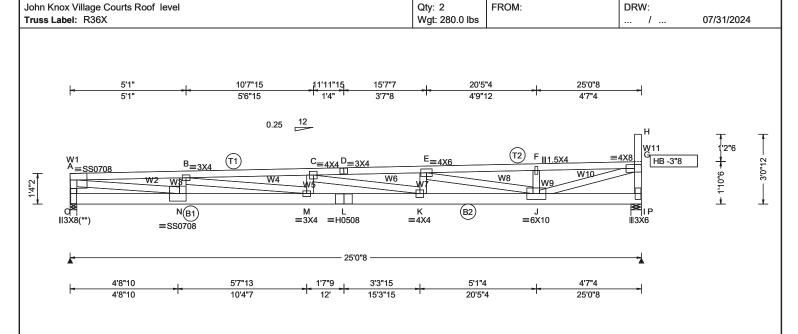
Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	Webs	i ens.	Comp.
A - O	331 - 1309	K-E	237	-3
A - N	4788 - 1114	E-J	551	- 2244
N - B	291 - 943	F-J	154	- 361
B - M	1609 - 369	J - G	3947	- 944
M - C	131 - 299	G - I	329	- 1296
C - K	162 - 508	H - G	5	-3

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SEQN: 81444 / T35 / MONO

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Rea
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.537 C 560 360	Loc R+ /R-
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.985 C 305 240	O 3554 /-
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.057 A	P 1886 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.105 A	Wind reactions b
NCBCLL: 0.00	Mean Height: 44.62 ft	Code / Misc Criteria	Creep Factor: 2.0	O Brg Wid = 3.
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.682	P Brg Wid = 5.
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.947	Bearings O & P a
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMa0xaMakeb CSI: 0.808	Maximum Top C
opasg	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Co
	GCpi: 0.18	Plate Type(s):		A - B 1773 -
	Wind Duration: 1.60	18SS, WAVE, HS	VIEW Ver: 23.02.04A.0207.10	B - C 1513 -
Lumber		Wind	L	C - D 1033 -

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP 2400f-2.0E T2 2x4 SP #2; Bot chord 2x6 SP 2400f-2.0E B2 2x6 SP #1; Webs 2x4 SP #3 W2 2x4 SP 2400f-2.0E; W10 2x4 SP #2;

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" 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) C: From 90 plf at 0.00 to 90 plf at 24.75 0.00 to TC: From 90 plf at 90 plf at 20 plf at 0.00 to BC: From 20 plf at 25.04 BC: 2712 lb Conc. Load at 4.94

Plating Notes

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

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height 0.00 24.75 1.20 Location Lu1 9.66 2.35 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

Wind loads and reactions based on MWFRS.

Deflection

Max JT VERT DEFL: LL: 0.53" DL: 0.45". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



				-
Á	Maximum	Reactions	(lbs)	

0	3554	/-	/-	/-	/897	/17
Р	1886	/-	/-	/-	/338	/-
Wind reactions based on MWFRS						
0	Brg V	Vid =	3.5 Min l	Req = 1.	.5 (Truss	s)
Р	Brg V	Vid =	5.5 Min l	Req = 1.	.5 (Truss	s)
Bearings O & P are a rigid surface.						
Maximum Top Chord Forces Per Ply (lbs)						
				Charde		Comp

/Rh

Non-Gravity

521

- 2707

/Rw /U

Tens.Comp. Chords 1773 - 6857 D-E 1032 - 5055 1513 - 6697 F-F 521 - 2709

F-G

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

Onlorus	rens.comp.	Onorda	rens. Comp.
O - N N - M	61 - 7 6898 - 1760	L-K K-J	6648 - 1487 4954 - 1002
M - L	6648 - 1487	J - I	68 - 18

Maximum Web Forces Per Ply (lbs)

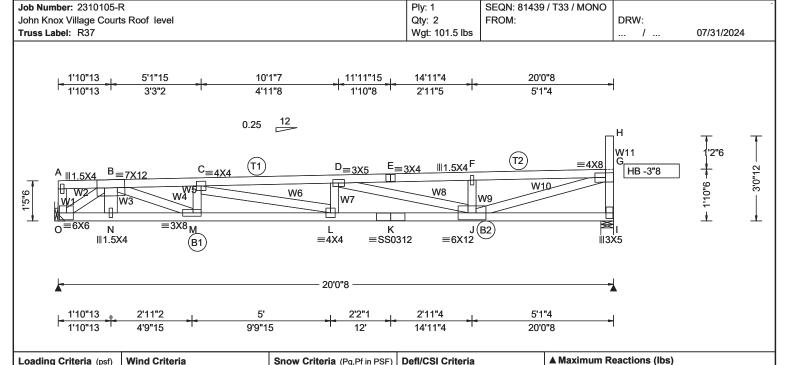
1033 - 5056

webs	Tens.Comp.	Webs	Tens. Comp.	
A - O	423 - 1642	K-E	451	- 97
A - N	6929 - 1792	E-J	507	- 2328
N - B	0 - 365	F-J	35	- 137
B - M	705 - 208	J - G	2750	-514
M - C	192 - 104	G-I	171	- 895
C - K	479 - 1647	H - G	0	0

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.459 D 523 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.623 D 385 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.087 B
Des Ld: 55.00	EXP: B		HORZ(TL): 0.118 B
NCBCLL: 0.00	Mean Height: 44.67 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.800
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.968
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana and the CSI: 0.895
	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, 18SS	VIEW Ver: 23.02.04A.0207.10

		G	ravity			ION	1-Grav	/ity
)	Loc	R+	/ R-	/ Rh	1 / R	w	/ U	/ RL
)	О	2550	/-	/-	/51	3	/889	/57
	1	1228	/-	/-	/50	2	/206	/-
	Win	d reac	tions	based o	n MWFR	S		
	0	Brg W	/id = -	- M	in Req =	-		
	I	Brg W	/id = {	5.5 M	in Req =	1.5	(Truss	s)
	Bea	ring I i	s a riç	gid surfa	ice.			
	Max	imum	Тор	Chord I	Forces P	er P	ly (lbs	s)
	Cho	rds T	ens.C	Comp.	Chord	s -	Tens.	Comp.
	A - E	3	7	- 20	D-E		821	- 3504
	B - 0	2	1347	- 5105	E-F		822	- 3500
_	C - I)	1078	- 5219	F-G		829	- 3500

Value Set: NDS 2015

Top chord 2x4 SP #1 T2 2x4 SP #2;

Bot chord 2x4 SP #1

Webs 2x4 SP #3 W3 2x6 SP #1; W10 2x4 SP #2;

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 90 plf at 0.00 to 90 plf at 19.75 BC: From 20 plf at 0.00 to 20 plf at 20.04 TC: 1600 lb Conc. Load at 1.90

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height 0.00 20.00 1.20 Location Lu1 Pd 9.66 2.35 19 75

Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

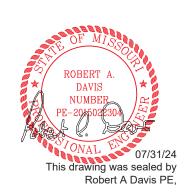
End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.46" DL: 0.22". See detail DEFL CAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Co	omp.
O - N	3798 - 1338	L-K	5196 -	1069
N - M	3798 - 1338	K-J	5196 -	1069
M - L	5164 - 1333	J - I	100	-61

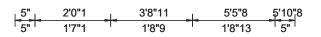
Maximum Web Forces Per Ply (lbs)

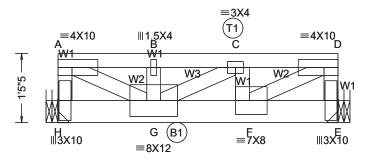
webs	Tens.Comp.	Webs	i ens.	Comp.
A - O	35 - 109	L-D	120	-211
O - B	1574 - 4467	D - J	454	- 1764
B - N	85 -7	F-J	173	-402
B - M	2086 - 461	J - G	3530	-804
M - C	214 - 730	G - I	293	- 1176
C - L	1162 - 310	H-G	5	-3

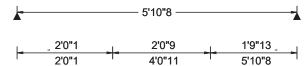
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Job Number: 2310105-R Ply: 1 SEQN: 81442 / T32 / FLAT John Knox Village Courts Roof level Qty: 1 FROM: DRW: Wgt: 35.0 lbs Truss Label: R38 / ... 07/31/2024







Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.046 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.085 B 831 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.013 A
Des Ld: 55.00	EXP: B		HORZ(TL): 0.025 A
NCBCLL: 0.00	Mean Height: 44.47 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.517
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.904
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMola0xalAleeb CSI: 0.750
' '	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs) Gravity Non-Gravity R+ / R-/Rw /U Loc 2712 /-/908 /-Ε 2712 /-/_ /908 /-Wind reactions based on MWFRS H Brg Wid = -Min Req = -E Brg Wid = -Min Req = -**Maximum Top Chord Forces Per Ply (lbs)** Chords Tens.Comp. Chords Tens. Comp. 1477 - 4364 C-D 1439 - 4251 B-C 1477 - 4364

Maximum Bot Chord Forces Per Ply (lbs) Tens. Comp. Chords Tens.Comp. Chords H-G 22 -6 G-F 4285 - 1448

Maximum Web Forces Per Ply (lbs) Webs Webs Tens.Comp. Tens. Comp. A - H 814 - 2418 C-F 33 - 138 4920 - 1665 F-D 4883 - 1653 A - G B - G 0 - 128 D-E 848 - 2517 93

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x6 SP #1 Webs 2x4 SP #3 W2 2x4 SP #1;

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 45 plf at 0.00 to 45 plf at BC: From 10 plf at 0.00 to 10 plf at BC: 2550 lb Conc. Load at 1.94, 3.94

Purlins

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure.

Additional Notes

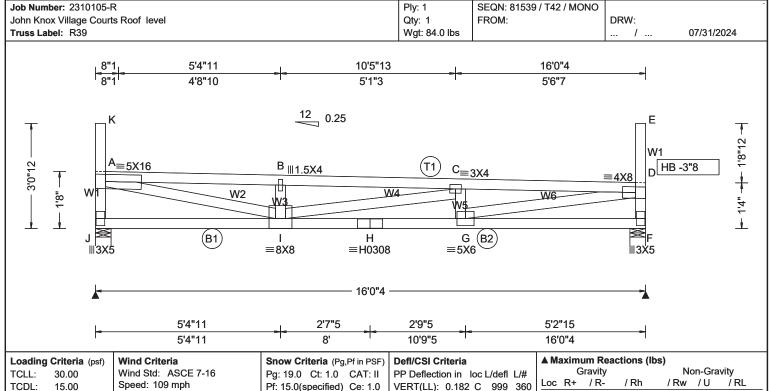
Truss must be installed as shown with top chord up.



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TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	
NCBCLL	: 0.00
Soffit:	2.00
Load Dui	ation: 1.25
Spacing:	24.0 "

Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.52 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18

Wind Duration: 1.60

Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS

PP Deflection in Ic	c L/defl	L/#
VERT(LL): 0.182 (C 999	360
VERT(TL): 0.336 (C 572	240
HORZ(LL): 0.025 /	Α -	-
HORZ(TL): 0.046 /	Α -	-
Creep Factor: 2.0		
Max TC CSI: 0.74	1 5	
Max BC CSI: 0.78	37	
Max Web CSI: 0.99	95	
Mfg Specified Cami	ber:	

VIEW Ver: 23.02.04A.0207.10

Gravity				Non-Gravity			
Loc	: R+	/ R-	/ Rh	/Rw	/ U	/ RL	
J	855	/-	/-	/410	/113	/104	
F	855	/-	/-	/409	/112	/-	
Wir	nd rea	ctions b	ased on N	/WFRS			
J	Brg	Wid = 5.	5 Min F	Req = 1.5	5		
F	Brg	Wid = 5.	5 Min F	Req = 1.5	5		
Bea	arings	J&Far	e a rigid s	surface.			
Ma	ximu	m Top C	hord For	ces Per	Ply (lbs	s)	
Cho	ords	Tens.Co	mp. (Chords	Tens.	Comp.	
	_						

Maximu	ım Top Chord I	Forces Per	Ply (lbs)
Chords	Tens.Comp.	Chords	Tens. Comp
A D	000 0040	0 0	4040 000

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 W6 2x4 SP #2;

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.40 16.18 3.93 15.73 0.00 20.00 1.72 26.77 4 04 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.18" DL: 0.15". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

1042 - 2807 968 - 2642 B - C 960 - 2647 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp 2886 - 1081 J - I 338 - 335 H-G

Maximum Web Forces Per Ply (lbs)

2886 - 1081

I - H

Webs	Tens.Comp.	Webs	Tens. Comp.
J - A	352 - 802	C-G	266 - 379
A - I	2613 - 1098	G-D	2713 - 1197
K - A	7 -4	D-F	343 -801
I - B	242 - 420	E-D	9 -5
I - C	251 - 251		

G-F

173

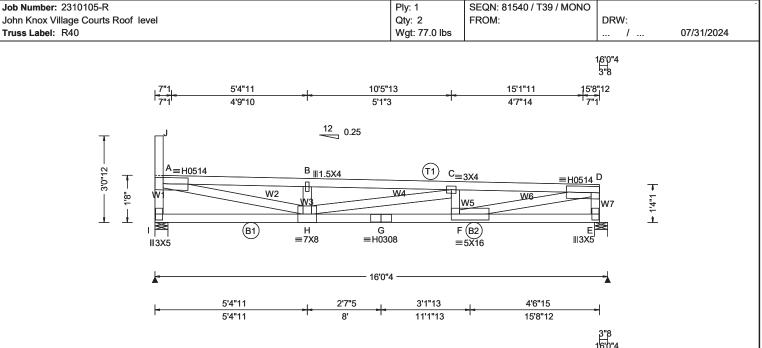
- 165



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1004				
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00	Wind Std: ASCE 7-16	Pa: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.168 C 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.308 C 611 240	I 839 /- /- /394 /106 /62
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.024 A	E 865 /- /- /406 /108 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.043 A	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 44.52 ft	Code / Misc Criteria	Creep Factor: 2.0	I Brg Wid = 5.5 Min Req = 1.5
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.717	E Brg Wid = 5.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 4.0 psf	TPI Std: 2014	Max BC CSI: 0.755	Bearings I & E are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Factors Used: Yes	Max Web CSI: 0.998	Maximum Top Chord Forces Per Ply (lbs)
Spacing. 24.0	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Tens. Comp.
	Loc. from endwall: Any	. , . ,	I wild obecilied Camber.	A D 4040 0570 O D 4000 0007
	GCpi: 0.18	Plate Type(s):		A - B 1048 - 2578 C - D 1003 - 2627
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10	B - C 1039 - 2583

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.40 16.18 3.93 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.16" DL: 0.14". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

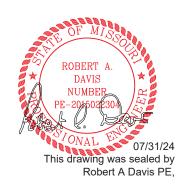
ч-р	1040 - 20/0	C-D
3 - C	1039 - 2583	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
I - H	239 - 161		2734 - 1063
H - G	2734 - 1063		59 - 23

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
I - A	337 - 787	H-C	155 - 160
A - H	2548 - 1032	C - F	266 -463
J - A	7 -4	F-D	2619 - 997
H - B	247 - 425	D-E	339 - 809

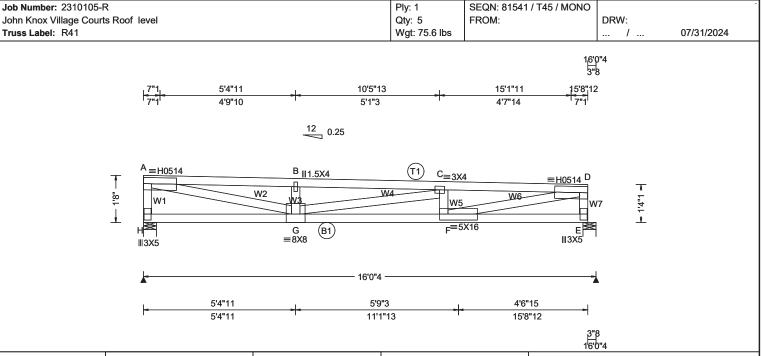


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				16'0"4	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lb	s)
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.169 C 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.310 C 607 240	H 865 /- /-	/398 /105 /10
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.028 A	E 865 /- /-	/398 /103 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.051 A	Wind reactions based on M	WFRS
NCBCLL: 0.00	Mean Height: 44.52 ft	Code / Misc Criteria	Creep Factor: 2.0	J	eq = 1.5
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.749	E Brg Wid = 5.5 Min R	•
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.759	Bearings H & E are a rigid s	surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.998	Maximum Top Chord Ford	· · · · · · · · · · · · · · · · · · ·
opuoling. 2 1.0	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. C	hords Tens. Comp.
	GCpi: 0.18	Plate Type(s):	<u> </u>	A - B 954 - 2585 C	- D 955 - 2627
	Wind Duration: 1.60	HS, WAVE	VIEW Ver: 23.02.04A.0207.10	B - C 948 - 2585	

	▲ Maximum Reactions (lbs)								ı
		G	ravity			Non-Gravity			ı
0	Loc	R+	/ R-	/ Rh	/ F	₹w	/ U	/ RL	
0	н	865	/-	/-	/39	98	/105	/10	١
	E	865	/-	/-	/3	98	/103	/-	ı
	Wind	d read	tions ba	ased on	MWFF	RS			ı
	Н	Brg V	Vid = 5.	5 Min	Req =	1.5	5		ı
	Ε	Brg V	Vid = 5.	5 Min	Req =	1.5	5		ı
	Bear	rings l	Н&Еа	re a rigi	d surfa	ce.			ı
	Maximum Top Chord Forces Per Ply (lbs)								
Chords Tens.Comp. Chords Tens. Comp.									
	A - E	3	954 - 2	2585	C-D		955	- 2627	
	B - 0		948 - 2				,		1

Lumber
Value Set: NDS 2015
Top chord 2x4 SP #2 Bot chord 2x4 SP #2

Webs 2x4 SP #3

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

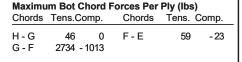
End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.17" DL: 0.14". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

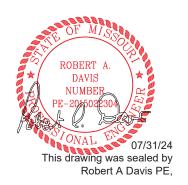
Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.		vvebs	rens. (Jomp.
A - H	334	-808	C - F	255	-463
A - G	2613	- 969	F-D	2619	- 949
G-B	274	- 503	D-E	328	-809
G-C	77	- 158			



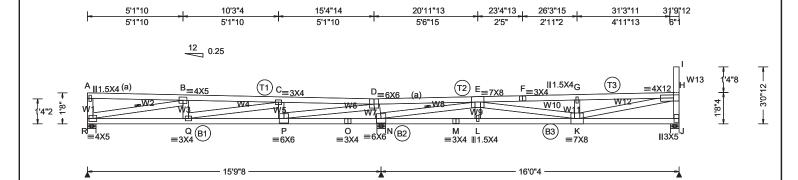
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Job Number: 2310105-R Ply: 1 SEQN: 81542 / T76 / SPEC John Knox Village Courts Roof level DRW: Qty: 6 FROM: Wgt: 152.6 lbs / ... Truss Label: R42 07/31/2024



4'0"4

19'9"12

1'2"1

5'4"1

26'3"15

Coading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.53 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.18 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15	PDeff/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.137 G 999 360 VERT(TL): 0.270 G 711 240 HORZ(LL): 0.021 J HORZ(TL): 0.042 A
Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "		Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.729 Max BC CSI: 0.777 Max Web CSI: 0.837 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10

3'5"4

1'9"8

15'9"8

5'1"10

10'6"12

▲ Maximum Reactions (lbs) Gravity Loc R+ / R-

			-	-			
R	755	/-	/-	/331	/89	/51	
Ν	2052	/-	/-	/950	/248	/-	
J	747	/-	/-	/331	/88	/-	
Wi	nd read	tions	based on	MWFRS			
R	Brg V	Vid =	5.5 Mir	n Req = 1.5	5		
Ν	Brg V	Vid =	5.5 Mir	n Req = 2.0) (Trus	s)	
J	Brg V	Vid =	5.5 Mir	n Req = 1.5	5		
Ве	arings I	₹, N,	& J are a	rigid surfa	ce.		
Ма	Maximum Top Chord Forces Per Ply (lbs)						
				Chords			

Non-Gravity

/Rw /U

5'5"13

31'9"12

0		0	. oo.
A - B B - C	7 -44 433 -2078	E-F F-G	552 - 2191 553 - 2186
C-D D-E	319 - 1682 2164 - 595	G-H	559 - 2186

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. R - O2060 - 561 N - M 1804 - 346 1804 - 346 Q - P 1820 - 451 M - L Р 438 1771 1804 346

P - U	430 - 1771	L-N	1004	- 340					
O - N	438 - 1771	K-J	92	- 80					
Maxim	Maximum Web Forces Per Ply (lbs)								
Webs	Tens.Comp.	Webs	Tens. (Comp.					
	73 202	N E	001	3665					

Webs	Tens.Comp.	Webs	Tens.	Comp.
A-R	73 - 202	N-E	901	- 3665
R-B	458 - 2082	E-L	79	0
B - Q	72 0	E-K	603	- 147
Q-C	447 - 96	G-K	178	- 451
C - P	216 - 639	K-H	2153	- 516
P - D	3162 - 748	H - J	184	-696
D - N	316 - 1126	I - H	7	-4

Lumber

Value Set: NDS 2015

Top chord 2x4 SP #2 T2 2x4 SP #1; Bot chord 2x4 SP #2 Webs 2x4 SP #3 W6 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

5'5"2

5'5"2

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height 0.00 31.52 1.38 Location Lu1 1.38 15.49 3.76 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

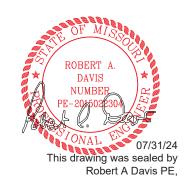
End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.14" DL: 0.17". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

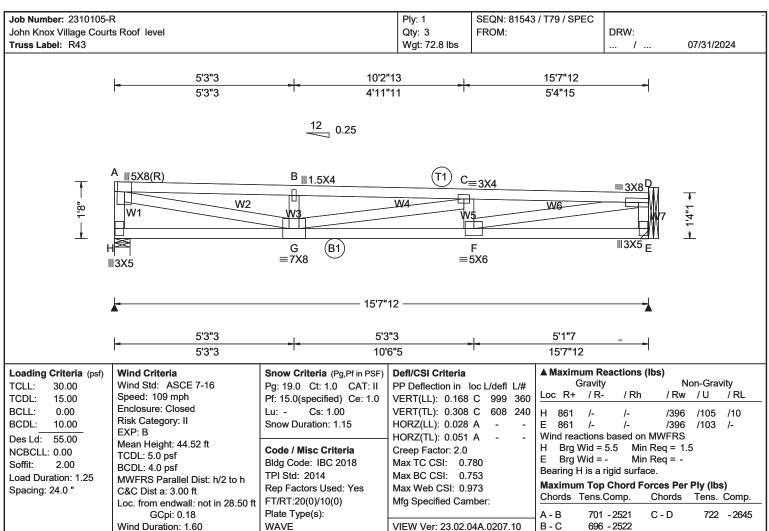
Additional Notes

Provide for complete drainage of roof.



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Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 W6 2x4 SP #2;

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.16" DL: 0.14". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

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

H-G F-E 63 44 0 - 18 G-F 2747 - 767

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens. (Comp.
A - H	255	- 805	C-F	199	- 447
A - G	2554	- 713	F-D	2630	-715
G-B	210	- 486	D-E	251	-803
G-C	82	- 237			



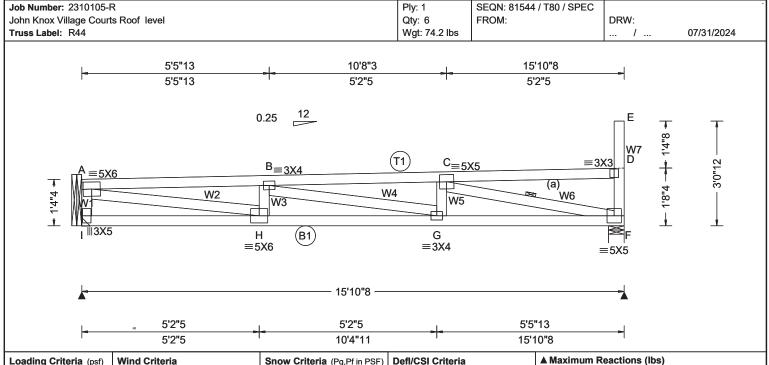
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



Loading	Criteria (psf)
TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00
Load Dur	ation: 1.25
Spacing:	24.0 "
1	

Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.54 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any

GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in Id	oc L/defl	L/#
VERT(LL): 0.170	B 999	360
VERT(TL): 0.313	B 608	240
HORZ(LL): 0.025	F -	-
HORZ(TL): 0.047	F -	-
Creep Factor: 2.0		
Max TC CSI: 0.8	01	
Max BC CSI: 0.7	53	
Max Web CSI: 0.6	04	
Mfg Specified Cam	ber:	

VIEW Ver: 23.02.04A.0207.10

B - C

	G	ravity		INC	on-Grav	/ity	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
I	873	/-	/-	/409	/109	/61	
F	847	/-	/-	/398	/107	/-	
Wii	nd read	ctions b	ased on M	IWFRS			
1	Brg V	Vid = -	Min F	Req = -			
F	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Truss	s)	
Bea	aring F	is a rig	id surface				
Ma	ximun	1 Top C	hord For	ces Per	Ply (lbs	s)	
Ch	ordo T	Fono Ca	omn (hordo	Tono	Comp	

Maximu	ım Top Chord I	Forces Per	Ply (lbs)
Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	1024 - 2689	C-D	144 - 208

Lumber	
Value Set: NDS 2015	
Top chord 2v/ SP #2	

Bot chord 2x4 SP #2 Webs 2x4 SP #3 W2 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height Pd 0.00 20.00 1.38 15.4 Location Lu1 1.38 15.49 3.76 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.17" DL: 0.14". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

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

I-H 63 - 183 G-F 2501 - 944 H-G 2793 - 1100

Maximum Web Forces Per Ply (lbs)

1010 - 2545

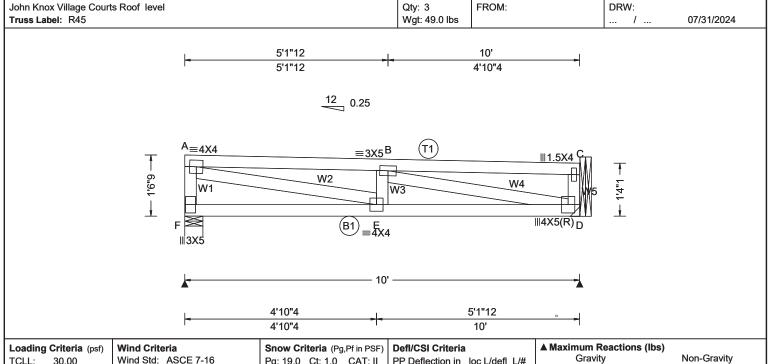
Webs	Tens.Comp.	Webs	Tens. Comp.	
A - I	342 -814	G-C	175 0	
A - H	2675 - 1016	C - F	999 - 2524	
H - B	264 - 458	D-F	100 - 186	
B - G	197 - 260	E-D	7 -4	



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Ply: 1

SEQN: 81545 / T47 / SPEC

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 30.00 TCDL: 15.00	Wind Std: ASCE 7-16 Speed: 109 mph	Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0	PP Deflection in loc L/defl L/# VERT(LL): 0.054 B 999 360	Gravity Loc R+ / R- / Rh	No / Rw
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II	Lu: - Cs: 1.00 Snow Duration: 1.15	VERT(TL): 0.100 B 999 240 HORZ(LL): 0.007 A	F 550 /- /- D 550 /- /-	/253 /253
Des Ld: 55.00	EXP: B Mean Height: 44.47 ft		HORZ(TL): 0.014 A	Wind reactions based on M	
NCBCLL: 0.00 Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Code / Misc Criteria Bldg Code: IBC 2018	Creep Factor: 2.0 Max TC CSI: 0.457		Req = -
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft	TPI Std: 2014 Rep Factors Used: Yes	Max BC CSI: 0.424 Max Web CSI: 0.659	Maximum Top Chord Ford	
	Loc. from endwall: not in 28.50 ft GCpi: 0.18	FT/RT:20(0)/10(0) Plate Type(s):	Mfg Specified Camber:		3 - C
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10		

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Job Number: 2310105-R

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Loc	R+	/ R-	/ Rh	/Rw	/ U	/RL
F	550	/-	/-	/253	/67	/7
D	550	/-	/-	/253	/65	/-
Win	d reac	tions bas	ed on MV	/FRS		
F	Brg W	/id = 5.5	Min Re	q = 1.5		
D	Brg W	/id = -	Min Re	q = -		
Bea	ring F	is a rigid	surface.			
1						

Ply (lbs) Tens. Comp.

15 - 44

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. (
F-E	36	- 1	E-D	1371	- 449

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Co	omp.	vvebs	i ens.	Comp.	
A - F	190	- 500	B-D	449	- 1368	
A - E	1317	- 419	C - D	85	- 181	
E - B	167	- 241				



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Job Number: 2310105-R Ply: 1 SEQN: 81546 / T37 / MONO John Knox Village Courts Roof level Qty: 10 FROM: DRW: Truss Label: R46 Wgt: 54.6 lbs / ... 07/31/2024 5'2"1 10'4"2 5'2"1 5'2"1 12 0.25 <u>в</u> _{⊪1.5Х4}(т1) $A \equiv 4X4$ ≡4X4C W4 W2 \boxtimes_{D} (B1 =5x8 113X5

10'4"2

5'2"1

10'4"2

				_
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	١.
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.057 B 999 360	[
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.106 B 999 240	l,
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.006 A	
Des Ld: 55.00	EXP: B		HORZ(TL): 0.012 A	١
NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 44.54 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.465 Max BC CSI: 0.148 Max Web CSI: 0.525 Mfg Specified Camber:	F
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	1′
	1			J .

5'2"1

5'2"1

	▲ M	axim	um Rea	ctions	(lbs)		
		(Gravity		No	on-Grav	vity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	F	543	/-	/-	/261	/75	/60
	D	569	/-	/-	/273	/75	/-
	Win	d rea	ctions b	ased or	MWFRS		
	F	Brg \	Nid = 5.	5 Mir	n Req = 1.5	5	
	D	Brg \	Nid = 3.	5 Mir	n Req = 1.5	5	
	Bea	rings	F&Da	re a rigi	d surface.		
	Max	kimur	n Top C	hord F	orces Per	Ply (lbs	s)
	Cho	rds	Tens.Co	mp.	Chords	Tens.	Comp.
	A - I	В	712 -	1391	B-C	702	- 1395

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. F-E 251 - 168 F-D - 20

Maximum Web Forces Per Ply (lbs) Webe Tens Comp Webs Tens Comp

******	rono.comp.		***************************************		oomp.
F-A	282	- 493	E-B	334	- 496
A - E	1359	- 760	E-C	1378	- 694
G - A	7	-4	C - D	285	- 516

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu2 Height Pd W 20.00 1.44 17.53 4.26 Location Lu1 0.00 20.00 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

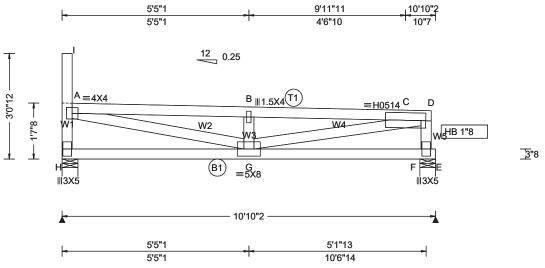


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Job Number: 2310105-R Ply: 1 SEQN: 81547 / T66 / MONO John Knox Village Courts Roof level FROM: DRW: Qty: 5 Truss Label: R47 Wgt: 56.0 lbs / ... 07/31/2024



				10'10"2	
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs	
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.054 B 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.100 B 999 240	H 555 /- /-	/266 /76 /60
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.007 C	E 611 /- /-	/289 /77 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.012 C	Wind reactions based on M\	NFRS
NCBCLL: 0.00	Mean Height: 44.53 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	H Brg Wid = 5.5 Min Re	. ,
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.572	E Brg Wid = 5.5 Min Re	. ,
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.205	Bearings H & F are a rigid so	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.527	Maximum Top Chord Force	* ' '
opasing: 2 no	Loc. from endwall: not in 28.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Cl	hords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		A - B 514 - 1426 C	-D 1 0
	Wind Duration: 1.60	WAVE. HS	VIEW Ver: 23.02.04A.0207.10	B - C 506 - 1430	

	Gravity			Non-Gravity			
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	Н	555	/-	/-	/266	/76	/60
	Ε	611	/-	/-	/289	/77	/-
	Wind reactions based on MWFRS						
	Н	Brg '	Wid $= 5$.	5 Min	Req = 1.5	5 (Trus	s)
	Е	Brg '	Wid $= 5$.	5 Min	Req = 1.	5 (Trus:	s)
	Bearings H & F are a rigid surface.						
	Maximum Top Chord Forces Per Ply (lbs)						
	Cho	rds	Tens.Co	mp.	Chords	Tens.	Comp.
	A - E	3	514 -	1426	C - D	1	0
	B - 0	3	506 -	1430		-	•

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

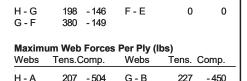
Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.44 17.53 4.26 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



G - C

C-F

Chords

Tens. Comp.

1077

260

- 365

-658

Maximum Bot Chord Forces Per Ply (lbs)

Tens.Comp.

1383 - 545

6 -4

Chords

A - G

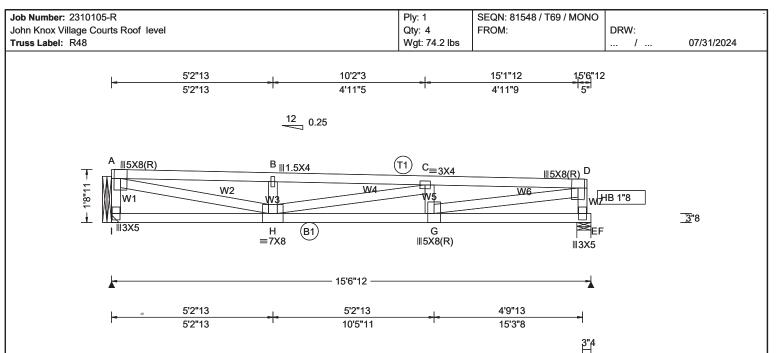
I-A



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				15'6"12
Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.146 C 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.268 C 691 240	I 849 /- /- /391 /103 /10
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.025 A	E 863 /- /- /394 /101 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.046 A	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 44.58 ft	Code / Misc Criteria	Creep Factor: 2.0	I Brg Wid = - Min Req = -
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.695	E Brg Wid = 5.5 Min Req = 1.5 (Truss)
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.696	Bearing F is a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.927	Maximum Top Chord Forces Per Ply (lbs)
- - - - - - - - - -	Loc. from endwall: Anv	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		A - B 879 - 2366 C - D 890 - 2434
	Wind Duration: 1 60	WAVE	VIEW Ver: 23 02 04A 0207 10	B - C 873 - 2367

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Additional Notes

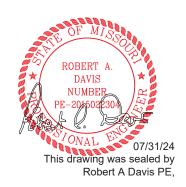
Truss must be installed as shown with top chord up.

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

I-H 40 G-F 54 - 21 0 H-G 2533 - 944 F-F 0 0

Maximum Web Forces Per Ply (lbs)

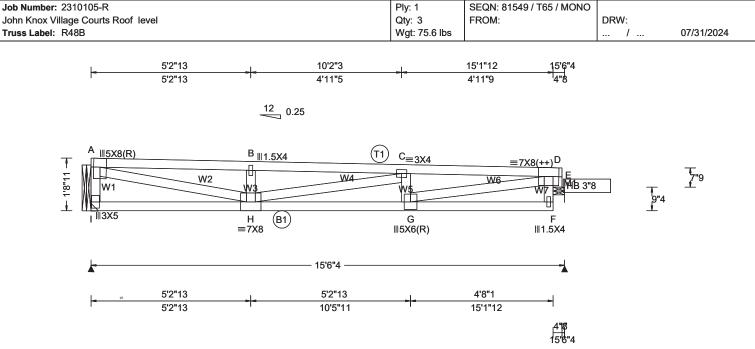
Webs Tens.Comp. Webs Tens. Comp. 330 - 795 250 -450 A - I C - G A - H 2405 - 898 G - D 2434 - 887 H - B 266 - 486 D-F 325 -794 H-C 84 - 177



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 30.00	Wind Std: ASCE 7-16	Pa: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-	Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.134 B 999 360	Loc R+ /R- /Rh /Rw /	U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.244 B 748 240	I 839 /- /- /386 /1	102 /10
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.023 A		105 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.043 A	Wind reactions based on MWFRS	
NCBCLL: 0.00	Mean Height: 44.58 ft	Code / Misc Criteria	Creep Factor: 2.0	I Brg Wid = - Min Req = -	
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.658	E Brg Wid = 4.5 Min Req = 1.5 (S	Support)
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.669	Bearing E is a rigid surface.	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.903	Maximum Top Chord Forces Per Ply	(lbs)
Opading. 24.0	Loc. from endwall: not in 28.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Te	ens. Comp.
	GCpi: 0.18	Plate Type(s):		A - B 652 - 2331 C - D	637 - 2328
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	B - C 647 - 2331	

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 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.

End verticals not exposed to wind pressure.

Additional Notes

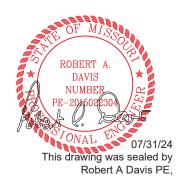
Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

E Brg Wid = 4.5 Min Req = 1.5 (Support)							
Bearing	Bearing E is a rigid surface.						
Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.							
Chords	Tens.Comp.	Chords	Tens. C	omp.			
A - B	652 - 2331 647 - 2331	C - D	637	- 2328			
B - C	647 - 2331						
-							

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. I-H 40 G-F 205 - 69 H-G 2421 -677

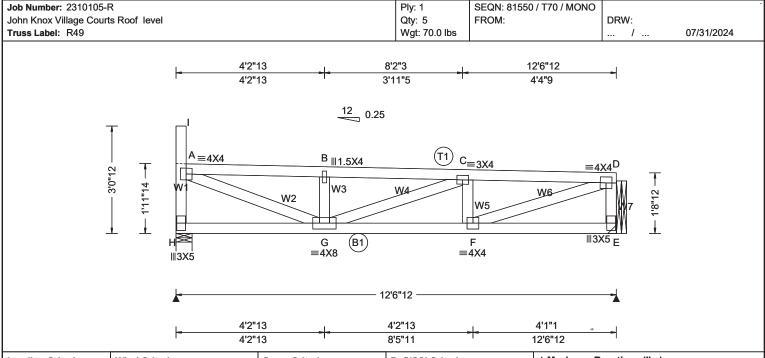
Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 250 - 784 187 A - I C - G -426 A - H 2370 - 666 G - D 2177 - 581 H - B 216 - 497 E-F 52 H-C 40 - 97 D-E 477 - 1320



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Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. F-E H-G 161 - 100 22 - 10 G-F 1371 - 605

Maximum Web Forces Per Ply (lbs)

vvens	rens.comp.		vvens	rens. Comp.		
H - A	305	- 626	G-C	106	- 93	
A - G	1316	-611	C - F	238	- 375	
I - A	6	-3	F-D	1357	- 585	
G - B	213	- 338	D-E	307	-650	

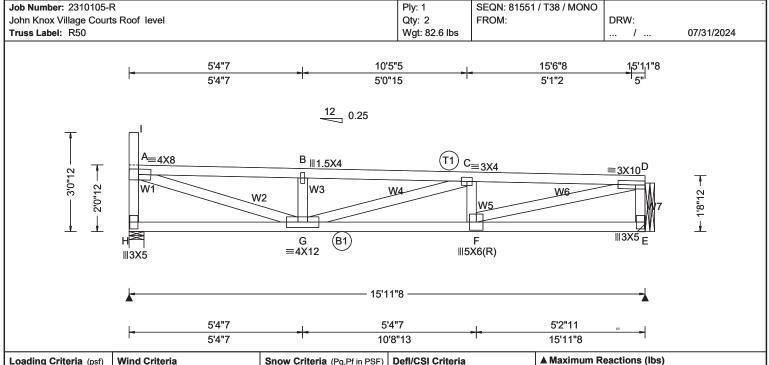


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Loading	Criteria	(psf)
TCLL:	30.00	
TCDL:	15.00	
BCLL:	0.00	
BCDL:	10.00	
Des Ld:	55.00	
NCBCLL:	0.00	
Soffit:	2.00	
Load Dur	ation: 1.2	25
Spacing:	24.0 "	

Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.91 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any

GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.108 C 999 360 VERT(TL): 0.198 C 967 240 HORZ(LL): 0.019 A HORZ(TL): 0.036 A Creep Factor: 2.0 Max TC CSI: 0.708 Max BC CSI: 0.580 Max Web CSI: 0.808 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Gravity				Non-Gravity			
Loc	R+	/ R-	/ Rh	/Rw	/ U	/RL	
Н	852	/-	/-	/399	/107	/47	
Ε	878	/-	/-	/410	/109	/-	
Win	d read	ctions b	ased on M	IWFRS			
Н	Brg V	Vid = 5.	5 Min F	Req = 1.5	5		
Ε	Brg V	Vid = -	Min F	Req = -			
Bea	ring H	is a rig	id surface).			
Max	dim un	Ton C	hord For	ooo Bor	Dly (lb)		

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

A - B	802 - 2019	C-D	
B - C	793 - 2023		

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

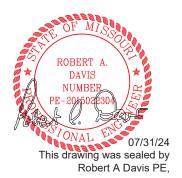
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
H - G	143	- 96	F-E	41	- 16	
G-F	2173	- 831				

786 - 2092

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.		vvebs	rens. (Jomp.
H - A	340	- 803	G-C	124	- 162
A - G	2032	-802	C-F	265	-468
I - A	5	-3	F-D	2122	- 795
G-B	247	- 436	D-E	343	-825



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Job Number: 2310105-R Ply: 1 SEQN: 81552 / T64 / MONO John Knox Village Courts Roof level DRW: Qty: 5 FROM: Truss Label: R51 Wgt: 154.0 lbs / ... 07/31/2024 10'7"11 31'9"12 5" 5'5"9 14'3"7 15'11"8 21'1"12 26'4" 31'4"12 5'5"9 5'2"1 3'7"12 1'8"1 5'2"4 4'0"9 5'0"12 12 0.25 --- 3'0"12 ---(T1 $D_{\equiv 3X4} E^{\parallel 15X8(R)}$ (a) B <u>⊪1.5</u>X4 (T2) 2'0"12 W3 W10 W12 M 113B 1"8 **⊒3**"8 ≡5X5 R B1 ≡4X10 Q |||5X8(R) P ≡3X4 (B3) N =3X4 11.5X4 =5X5 =3X4 (B2) 15'8"8 5'5"9 5'5"9 3'0"13 3'6"12 5'2"4 4'11' 1'7"8 19'9"12 21'5"4 31'6"8 5'5"9 10'11"3 14' 16'3' 26'7"8

a			▲ Maximum Reactions (lbs)						
loc L	/defl	I /#		G	ravity		No	on-Grav	vity
02 H	999	360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/
07 H	893	240	s	741	/-	/-	/322	/88	/
15 A	-	-	0	2118	/-	/-	/983	/259	/
30 A	-	-	J	704	/-	/-	/305	/79	/
.0			Wir	id read	ctions b	ased on I	MWFRS		
0.940			S	•			Req = 1.5	•	,
0.556			0	Brg V	Vid = 5.	5 Min	Req = 2.1	(Truss	s)
			J	Brg V	Vid = 5.	5 Min	Req = 1.5	(Trus	s)
0.958			Bea	rinas	S. O. &	K are a r	igid surfac	cè.	•
amber:				kimun	Top C		rces Per		s)

Q-E

Chords	Tens.Comp.	Chords	Tens. Comp.		
A - B	390 - 1691	E-F	1839 - 420)	
B - C	384 - 1696	F-G	186 - 1153	3	
C-D	209 - 1253	G-H	186 - 116	1	
D-E	209 - 1256	H - I	375 - 1872	2	

Non-Gravity

/79 /-

/58

/-

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	omp.	Chords	Tens. (Comp.		
S-R	162	- 73	N - M	1095	- 177		
R-Q	1356	- 230	M - L	1938	- 402		
Q-P	359 -	- 1577	L-K	51	- 12		
D 0	250	4577	V I				

Chords	Tens.Comp.	Chords	Tens. Comp.	
S-R R-Q Q-P	162 - 73 1356 - 230 359 - 1577	N - M M - L L - K		- 177 - 402 - 12
P-O O-N	359 - 1577 1095 - 177	K-J	0	0

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.C	comp.	Webs	Tens.	Comp.	
S-A	186	- 692	E-0	364	- 1299	
A - R	1693	- 404	0 - F	615	- 2649	
T - A	5	-3	F-M	327	- 14	
R-B	184	- 482	M - H	243	- 984	
R-C	578	- 138	H-L	131	- 308	
C - Q	209	-622	L - I	1860	- 369	

I-K

-648

2516 - 573

Webs 2x4 SP #3

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2

(a) Continuous lateral restraint equally spaced on member.

Wind

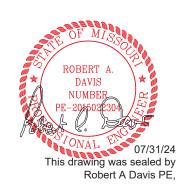
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

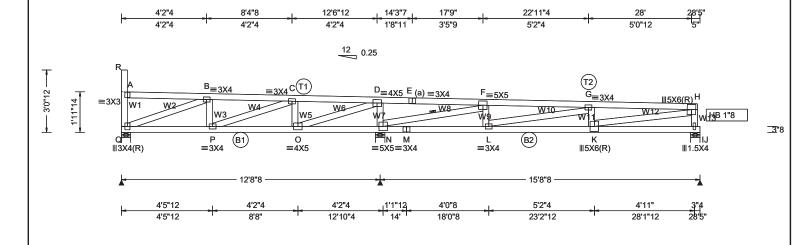


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Job Number: 2310105-R Ply: 1 SEQN: 81553 / T94 / MONO John Knox Village Courts Roof level FROM: DRW: Qty: 1 Truss Label: R52 Wgt: 144.2 lbs / ... 07/31/2024



Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.71 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0)	Defi/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.108 G 999 360 VERT(TL): 0.209 G 884 240 HORZ(LL): 0.012 J HORZ(TL): 0.022 J Creep Factor: 2.0 Max TC CSI: 0.799 Max BC CSI: 0.559 Max Web CSI: 0.716 Mfg Specified Camber:
-	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s):	Max Web CSI: 0.716 Mfg Specified Camber:
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs) Gravity R+ / R-Q 558

Q	558	/-	/-	/229	/65	/58	
N	1925	/-	/-	/896	/237	/-	
I	709	/-	/0	/316	/82	/-	
Wii	Wind reactions based on MWFRS						
Q	Brg V	/id = :	5.5 Min l	Req = 1.5	(Truss	s)	
N	Brg V	/id = :	5.5 Min l	Req = 1.9	(Truss	s)	
I	Brg W	/id = :	5.5 Min l	Req = 1.5	(Truss	s)	
Bearings Q, N, & J are a rigid surface.							
Maximum Top Chord Forces Per Ply (lbs)							

Non-Gravity

/ RL

/Rw /U

Cnoras	rens.Comp.	Cnords	rens. Comp.	
A - B	92 - 150	E-F	1614 -407	
B - C	249 - 1009	F-G	258 - 1203	
C - D	366 - 657	G-H	445 - 1893	
D-E	1617 -406			

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

(a) Continuous lateral restraint equally spaced on member.

Wind

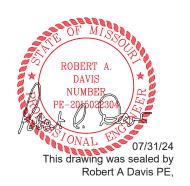
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. 0	Comp.	
Q-P	1006 - 244	M - L	1137	- 248	
P - O	743 - 316	L-K	1960	- 476	
O - N	350 - 1391	K - J	51	- 13	
N - M	1137 - 248	J - I	0	0	

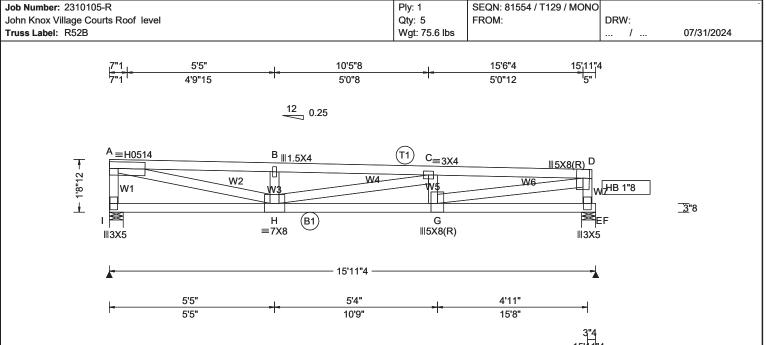
Webs	Tens.Comp.	Webs	Tens. Comp.
Q - A	55 - 139	D - N	349 - 1119
Q-B	272 - 1055	N-F	672 - 2631
R-A	6 -3	F-L	308 - 13
B - P	94 - 98	L-G	242 - 886
P - C	530 - 142	G-K	147 - 313
C - O	191 - 542	K - H	1881 - 439
O - D	1692 - 436	H - J	182 - 653

Maximum Web Forces Per Ply (lbs)

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	
TCLL: 30.00	Wind Std: ASCE 7-16	Pa: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.159 C 999 360	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.292 C 649 240	I 870 /- /-	/401 /106 /10
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.027 A	F 884 /- /0	/403 /103 /0
Des Ld: 55.00	EXP: B		HORZ(TL): 0.049 A	Wind reactions based on M	IWFRS
NCBCLL: 0.00	Mean Height: 44.59 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0		leq = 1.5 (Truss)
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.744	F Brg Wid = 5.5 Min R	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.725	Bearings I & F are a rigid so	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.968	Maximum Top Chord Fore	ces Per Ply (lbs)
opaoing. 2 1.0	Loc. from endwall: Anv	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. C	Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		A - B 912 - 2488 C	C - D 918 - 2543
	Wind Duration: 1.60	HS, WAVE	VIEW Ver: 23.02.04A.0207.10	B - C 906 - 2488	

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp I-H G-F 57 - 22 44 0 H-G 2644 -973 F-F 0 0

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 334 - 813 253 -462 A - I C - G A - H 2523 - 929 G - D 2540 - 914

D-F

329

-813

H - B

H-C

271 - 501

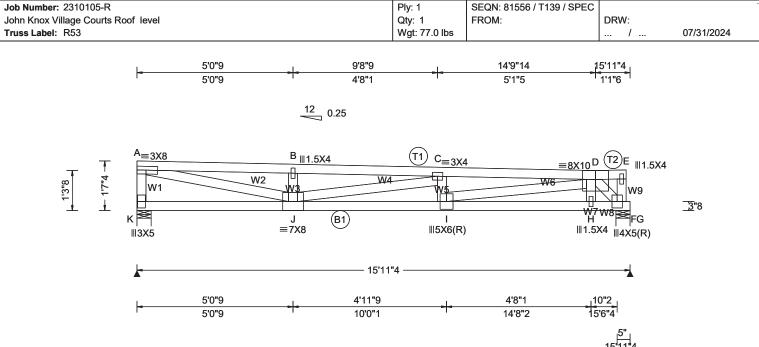
79 - 165



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				15"11"4
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.180 C 999 360	LOC KT /K- /KII /KW /O /KL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.331 C 573 240	K 870 /- /- /401 /105 /9
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.029 A	G 884 /- /0 /403 /103 /0
Des Ld: 55.00	EXP: B		HORZ(TL): 0.053 A	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 44.47 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	K Brg Wid = 5.5 Min Req = 1.5 (Truss)
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.740	G Brg Wid = 5.5 Min Req = 1.5 (Truss)
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.841	Bearings K & G are a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.796	Maximum Top Chord Forces Per Ply (lbs)
opdomg. 2 1.0	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		A-B 954-2610 C-D 1064-2937
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	B-C 948-2611 D-E 1 -4

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 W2 2x4 SP #2;

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.18" DL: 0.15". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Co	mp.	Chords	Tens. (Comp.	
K - J	42	0	H - G	866	- 300	
J - I	3026 - 1	1117	G-F	0	0	
I - H	887 -	299				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
A - K	332	-816	I - D	2089	- 779
A - J	2647	- 971	H - D	144	0
J-B	249	- 460	D - G	425	- 1227
J-C	182	-432	E-G	24	- 46
C - I	217	- 374			

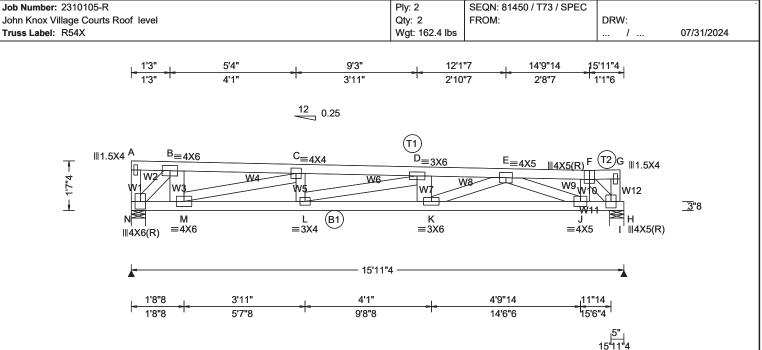


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				15"11"4
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: > 2h	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014	Defi/CSI Criteria PP Deflection in loc L/defi L/# VERT(LL): 0.292 D 650 360 VERT(TL): 0.348 D 545 240 HORZ(LL): 0.060 I HORZ(TL): 0.072 I Creep Factor: 2.0 Max TC CSI: 0.648 Max BC CSI: 0.861	A Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL N 2961 /-568 /- /644 /1194 /9 I 1992 /- /0 /403 /684 /0 Wind reactions based on MWFRS N Brg Wid = 5.5 Min Req = 1.7 (Truss) I Brg Wid = 5.5 Min Req = 1.5 (Truss) Bearings N & I are a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE	LMa@alakeb CSI: 0.522 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	Maximum Top Chord Forces Per Ply (lbs) Chords Tens. Comp. Chords Tens. Comp. A - B 3 - 7 D - E 1659 - 4320 B - C 684 - 1734 E - F 424 - 1220 C - D 1265 - 3452 F - G 1 - 4

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #1

Webs 2x4 SP #3 W3,W7 2x6 SP #1;

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @ 9.75" o.c. Bot Chord: 1 Row @12.00" o.c. Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

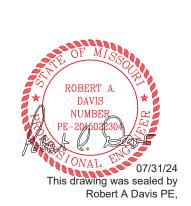
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 90 plf at 20 plf at 90 plf at 20 plf at TC: From BC: From 0.00 to 0.00 to 15 81 15.81 110 plf at BC: From 110 plf at 15.81 to 15.94 TC: 1600 lb Conc. Load at 1.48, 9.48

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -568# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.



Maximum Bot Chord Forces Per Ply (lbs)

Tens.Comp.	Chords	Tens. Comp.	
1528 - 624	K - J	3062 - 1143	
3359 - 1229	J - I	964 - 333	
4534 - 1762	I - H	0 0	
	1528 - 624 3359 - 1229	1528 - 624 K - J 3359 - 1229 J - I	1528 - 624 K - J 3062 - 1143 3359 - 1229 J - I 964 - 333

Maximum Web Forces Per Ply (lbs)

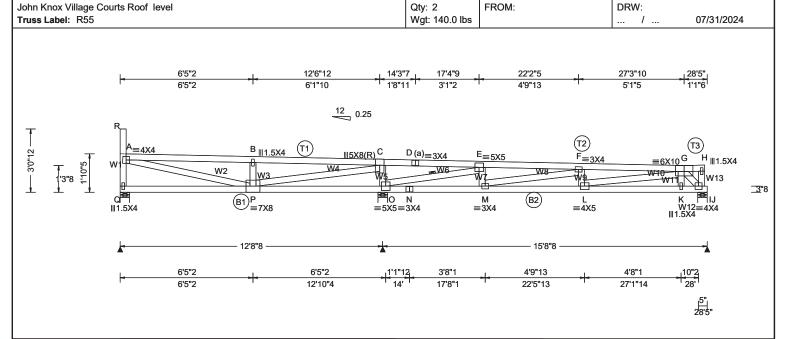
Webs	Tens.Comp.	Webs	l ens.	Comp.
A - N	91 -44	D-K	277	- 578
N - B	891 - 2182	K-E	1369	- 561
B - M	609 - 177	E-J	786	- 2014
M - C	576 - 1714	J-F	909	- 325
C-L	386 - 147	F-I	472	- 1366
L-D	521 - 1135	G-I	12	- 24

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Ply: 1

SEQN: 81555 / T98 / SPEC

Loading Criteria (psf)	Wind Criteria	Sn
TCLL: 30.00	Wind Std: ASCE 7-16	Pg
TCDL: 15.00	Speed: 109 mph	Pf:
BCLL: 0.00	Enclosure: Closed	Lu:
BCDL: 10.00	Risk Category: II	Sn
	EXP: B	0
Des Ld: 55.00	Mean Height: 44.60 ft	Co
NCBCLL: 0.00	TCDL: 5.0 psf	
Soffit: 2.00	BCDL: 4.0 psf	Bld
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TP
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Re
	Loc. from endwall: Any	FT.
	GCpi: 0.18	Pla

Wind Duration: 1.60

now Criteria (Pg,Pf in PSF) g: 19.0 Ct: 1.0 CAT: II f: 15.0(specified) Ce: 1.0 Cs: 1.00 now Duration: 1.15

ode / Misc Criteria dg Code: IBC 2018 PI Std: 2014 ep Factors Used: Yes Γ/RT:20(0)/10(0) ate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.121 F 999 360 VERT(TL): 0.236 F 785 240 HORZ(LL): 0.010 J HORZ(TL): 0.022 J Creep Factor: 2.0 Max TC CSI: 0.894 Max BC CSI: 0.644 Max Web CSI: 0.886 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

A	Maximum	Reactions	(lbs)		
Gravity					

Loc	: R+	/ R-	/ Rh	/Rw	/ U	/ RL
Q	569	/-	/-	/238	/67	/62
0	569 1890	/-	/-	/878	/232	/-
1	727	/-	/0	/324	/83	/0
Wind reactions based on MWFRS						
Q	Brg W	/id = 5.	5 Min F	Req = 1.5	(Truss	s)
	D 14	1:4 - F	C N.C) 4 C	· /T	. i

Non-Gravity

Brg Wid = 5.5 Min Req = 1.9 (Truss) Brg Wid = 5.5 Min Req = 1.5 (Truss) Bearings Q, O, & J are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Maximum Bot Chord Forces Per Ply (lbs)

Onlords	rens.comp.	Cilolus	rens. Comp.
 А - В	310 - 1321	E-F	255 - 1278
B - C	302 - 1327	F-G	511 - 2191
C - D	1522 - 386	G-H	0 -4
D-E	1518 - 387		

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Job Number: 2310105-R

(a) Continuous lateral restraint equally spaced on member.

Loading

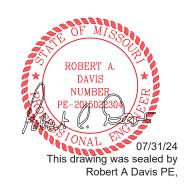
Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height Pd 0.00 28.13 1.21 9.7 Location Lu1 9.75 2.37 0.29 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.12" DL: 0.14". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.



Chords	Tens.Comp.	Chords	Tens. (Comp.
Q-P	200 - 109	M - L	2247	- 541
P-0	328 - 1280	L-K	727	- 154
O - N	1198 - 241	K-J	708	- 157
N - M	1198 - 241	J - I	0	0

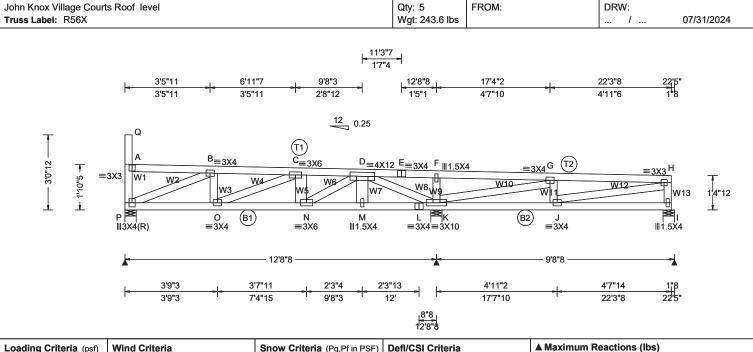
Maximum Web Forces Per Ply (lbs) Wehs

Mens	rens.comp.	44CD2	rens. Comp.
Q - A	160 - 509	E - M	346 - 31
A - P	1267 - 336	M - F	301 - 1112
R-A	6 -4	F-L	125 - 240
P - B	237 - 587	L-G	1491 - 363
P - C	2325 - 614	K-G	127 0
C - O	353 - 1095	G - J	222 - 1004
0 - E	659 - 2613	H - J	18 - 45

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Ply: 2

SEQN: 81446 / T97 / SPEC

Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
ı	TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
ı	TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.054 C 999 360
ı	BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.069 C 999 240
ı	BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.013 I
ı	Des Ld: 55.00	EXP: B		HORZ(TL): 0.017 I
ı	NCBCLL: 0.00	Mean Height: 0.00 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
ı	Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.390
ı	Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.411
ı	Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMa0xalAnkeb CSI: 0.503
ı		Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
ı		GCpi: 0.18	Plate Type(s):	
ı		Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10
ı	Lumbar		Additional Natas	·

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP #2

Bot chord 2x4 SP #2

Webs 2x4 SP #3 W5,W7 2x6 SP #1;

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" 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) 90 plf at 20 plf at TC: From 0.29 to 90 plf at BC: From 20 plf at 0.00 to

TC: 1600 lb Conc. Load at 7.18 TC: -1100 lb Conc. Load at 9.68

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height 0.00 22.13 1.21 Location Lu1 9.75 2.37

Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

Wind loads based on MWFRS with additional C&C

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp 710 A - B 47 - 69 E-F - 191 B - C 304 - 970 F-G 712 - 192 C-D 451 - 1233 G-H - 385 88 D-E 711 - 192

Non-Gravity

/U

/263

/508 /-

/47 /-

/59

/Rw

/268

/695

/175

Min Req = 1.5 (Truss)

Min Req = 1.5 (Truss)

Min Req = 1.5 (Truss)

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. P - 0 917 - 284 1 - K 750

-315 O - N 1455 - 554 K-J 394 - 98 N - M 750 - 315 J - I 18 -6 M - L 750 - 315

Maximum Web Forces Per Ply (lbs)

Gravity

/-Wind reactions based on MWFRS Brg Wid = 5.5

Brg Wid = 5.5

Brg Wid = 5.5

/Rh

/-

/-

Bearings P, K, & I are a rigid surface.

R+ / R

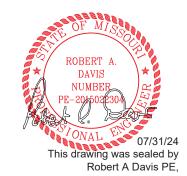
429

2116 /-

l oc Р 941 /-

Κ

vvebs	rens.comp.		vvebs	rens.	Comp.
P-A	26	- 61	M - D	27	- 29
P-B	307	- 987	D-K	433	- 1368
Q - A	2	-2	K-F	85	- 219
B - O	267	- 101	K - G	237	- 885
O-C	275	- 534	G-J	47	- 48
C - N	325	- 702	J - H	376	- 84
N - D	1321	- 554	H - I	64	- 190



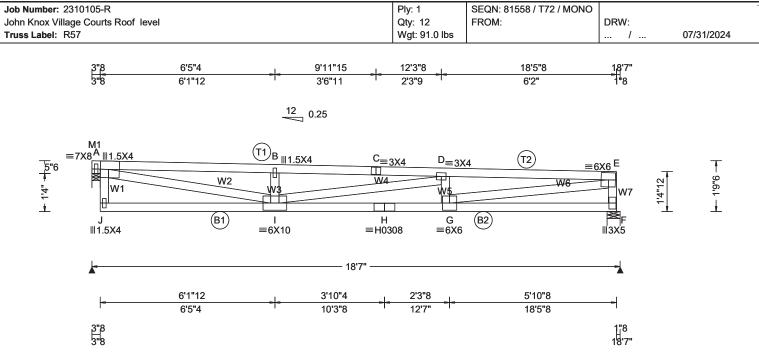
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs



		187			•	7
	6'1"12 6'5"4	3'10"4 10'3"8	2'3"8		'10"8 8'5"8	1
3"8 3"8					1	1"8 8'7"
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.61 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCDi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteri. PP Deflection in VERT(LL): 0.25 VERT(TL): 0.46 HORZ(LL): -0.04 HORZ(TL): 0.07 Creep Factor: 2. Max TC CSI: (Max BC CSI: (Max Web CSI: (Mfg Specified C.	loc L/defl L/# 54 D 866 360 54 D 473 240 42 E 77 E 0 0.926 0.938 0.765	A Maximum React Gravity Loc R+ /R- A 1017 /- F 1007 /- Wind reactions bas A Brg Wid = 3.5 F Brg Wid = 5.5 Bearings A & F are Maximum Top Ch Chords Tens.Com A - B 1133 - 33	Non-Gravity
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02	2.04A.0207.10	B - C 1126 - 33	

Value Set: NDS 2015

Top chord 2x4 SP 2400f-2.0E T2 2x4 SP #1; Bot chord 2x4 SP #2 Webs 2x4 SP #3 W2,W6 2x4 SP #2; Lt Bearing Leg: 2x4 SP #3;

Wind

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.25" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp J - I H-G 14 - 1

3493 - 1188 I - H 3493 - 1188 G-F 80 - 27

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - I	3390 - 1146	D-G	273 - 525
J - A	61 0	G-E	3351 - 1118
I - B	311 -633	E-F	353 - 942
I - D	75 - 187		



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John Knox Village Courts Roof level Qty: 3 FROM: DRW: Truss Label: R57B Wgt: 107.8 lbs / ... 07/31/2024 1₀'10"8 5'8"12 9'11"15 16'2" 21'4" 21'8"8 4"8 10"9 5'5"4 5'2" 4'3"3 5'3"8 12 0.25 <u>≡3X4</u>C D_{=3X5} <u>=3X</u>4^E (T2)<u>≡6X10(++</u>)F 6"3 W4 W6 W2 W8 HB 3"8 1.4 (B1) (B2) **∥15X4 Ⅲ1.5X4** =6X12 \equiv H0308 \equiv 3X4 21'8"8 5'5"4 4'6"12 10"8 5'4" 4'10" 5'8"12 10'3"8 11'2" 16'6' 21'4"

Ply: 1

SEQN: 81606 / T105 / MONO

A M	▲ Maximum Reactions (lbs)							
	G	ravity		N	/ity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
N	1183	/-	/-	/542	/146	/14		
G	1183	/-	/-	/542	/146	/-		
Win	id read	tions ba	sed on	MWFRS				
N	Brg V	Vid = 3.5	Min	Req = 1.	5 (Supp	ort)		
G	Brg V	Vid = 4.5	Min	Req = 1.	5 (Supp	ort)		
Bea	arings I	N & G ar	e a rigi	id surface.	,	•		
Max	Maximum Top Chord Forces Per Ply (lbs)							
				Chords		•		
Α-	В	864 - 3	471	D-E	1157	- 4719		
В-	С	859 - 3	470	F-F	906	- 3718		

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP 2400f-2.0E Bot chord 2x4 SP #1 Webs 2x4 SP #3 W2,W3,W8,W9 2x4 SP #2; Lt Bearing Leg: 2x4 SP #3; Rt Bearing Leg: 2x4 SP #3;

Plating Notes

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

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

End verticals not exposed to wind pressure.

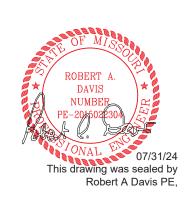
Deflection

Max JT VERT DEFL: LL: 0.34" DL: 0.28". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. C	omp.
M-L L-K K-J	153 - 42 4734 - 1167 4734 - 1167	J - I I - H	3877 258	- 959 - 73

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	webs	i ens.	Comp.
A - L	3445 -836	J-E	860	- 194
N - A	518 - 1635	E-I	247	- 717
M - N	57 0	I-F	3542	- 850
L-B	198 - 507	G-H	59	0
L-D	332 - 1310	F-G	534	- 1724
D - J	88 - 100			

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Job Number: 2310105-R Ply: 2 SEQN: 81448 / T71 / MONO John Knox Village Courts Roof level DRW: Qty: 2 FROM: Truss Label: R58X Wgt: 197.4 lbs / ... 07/31/2024 18'7' 1''8 3'4"11 7'2"15 9'11"15 11'1"15 14'8"15 18'0"8 18'5"8 3'10"4 3'1"3 2'9' 1'2" 3'7' 3'3"8 12 0.25 M1 A <u>|||2X4≡5X8</u> $C_{\equiv 3X4}$ $D_{\equiv 3X4}E_{\equiv 3X6}$ <u>≡3</u>X10 G W3 W4 W2 W10-W5 (B2) K J ≡SS0312 ≡4X6 III1.5X4 ≡5X16 =3X4 18'7 3'1"3 4'1"12 2'9"1 1'3"15 3'6"8 3'3"8 3'4"11 15'1"15 7'6"7 10'3"8 11'7"7 18'5"8

	3"8			1,"8 18'7"	
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.61 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE, 18SS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.393 E 559 360 VERT(TL): 0.477 E 461 240 HORZ(LL): -0.073 G HORZ(TL): 0.089 G Creep Factor: 2.0 Max TC CSI: 0.570 Max BC CSI: 0.963 IMa@addeb CSI: 0.795 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	H Brg Wid = 5.5 Min F Bearings A & H are a rigid Maximum Top Chord For Chords Tens.Comp. (A - B 1262 - 3186 I B - C 1258 - 3178 I	Non-Gravity / Rw / U / RL /568 /1134 /12 /464 /782 /- //WFRS Req = 1.5 (Truss) Req = 1.5 (Truss) surface.

Lumber

Value Set: NDS 2015

Top chord 2x4 SP 2400f-2.0E T2 2x4 SP #1; Bot chord 2x4 SP #1 Webs 2x4 SP #3 W2,W10 2x4 SP #2; W3, W7 2x6 SP #1;

Lt Bearing Leg: 2x4 SP #3;

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @ 7.00" o.c. Bot Chord: 1 Row @12.00" o.c. : 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 90 plf at 0.00 to 90 plf at 18.46 20 plf at 0.29 to 20 plf at 18.46 BC: From

TC: 1600 lb Conc. Load at 3.39,11.39

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -312# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions

Truss must be installed as shown with top chord up.

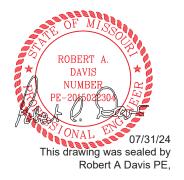
1671 - 4488

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M M - I	5 -2 4416 - 1645	K - J J - I	5254 - 2035 3231 - 1178
		• .	
L-K	5254 - 2035	I - H	21 -6

Maximum Web Forces Per Ply (lbs)

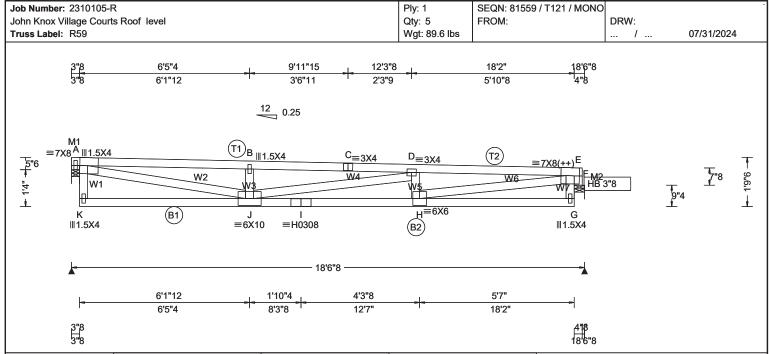
vvebs	rens.comp.	vvebs	rens.	Comp.
A - M	3522 - 1395	E-J	326	- 700
N - A	29 -3	J-F	1907	- 798
M - B	498 - 1086	F-I	375	-963
M - C	410 - 1313	I - G	3134	- 1138
C - L	329 - 122	G-H	390	- 1105
L-E	386 - 813			



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.240 D
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.437 D
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.044 E
Des Ld: 55.00	EXP: B		HORZ(TL): 0.080 E
NCBCLL: 0.00	Mean Height: 44.61 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.756
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.912
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.756
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0

Defl/CSI Criteria		
PP Deflection in loc	L/defl	L/#
VERT(LL): 0.240 D	906	360
VERT(TL): 0.437 D	497	240
HORZ(LL): -0.044 E	-	-
HORZ(TL): 0.080 E	-	-
Creep Factor: 2.0		
Max TC CSI: 0.75	6	
Max BC CSI: 0.91	2	
Max Web CSI: 0.75	6	
Mfg Specified Camb	er:	
VIEW Ver: 23.02.04	A.0207.	10

▲ M	Maximum Reactions (lbs)						
Gravity Non-Gravity					ty		
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
A	1007	/-	/-	/461	/124	/12	
F	1012	/-	/-	/463	/125	/-	
Win	d reac	tions bas	ed on MW	/FRS			
Α	Brg W	/id = 3.5	Min Re	q = 1.5	(Truss))	
F	Brg W	/id = 4.5	Min Re	q = 1.5	(Suppo	ort)	
Веа	rings A	& F are	a rigid su	rface.			
		T Ol.			N /II		

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.						
Chords	Tens.Comp.	Chords	Tens. Comp.			
A - B B - C	1120 - 3277 1113 - 3271	C - D D - E	1112 - 3276 1083 - 3246			

value Set. NDS 2015
Top chord 2x4 SP 2400f-2.0E T2 2x4 SP #2;
Bot chord 2x4 SP #2
Webs 2x4 SP #2 W1,W4,W5 2x4 SP #3;
Lt Bearing Leg: 2x4 SP #3;

Rt Bearing Leg: 2x4 SP #3;

Plating Notes

Lumber

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

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.24" DL: 0.19". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximu	m Bot Chord F	orces Per	Ply (lbs)
Chords	Tens.Comp.	Chords	Tens. Comp.
K-J	14 - 1	I-H	3352 - 1136
J - I	3352 - 1136	H-G	299 - 119
Maximu	m Web Forces	Per Ply (II	os)
Webs	Tens.Comp.	Webs	Tens. Comp.

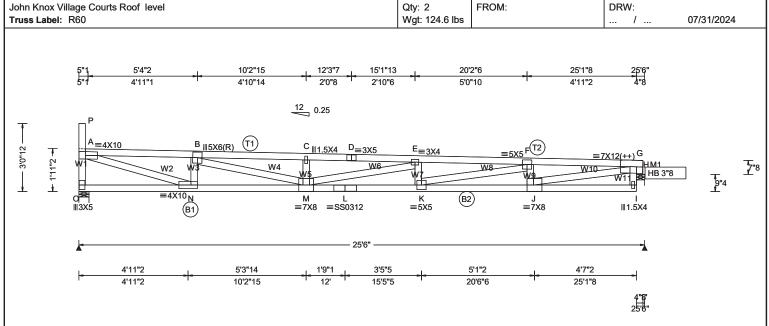
Webs	Tens.C	omp.	Webs	l ens.	Comp.
A - J	3349 -	1133	D-H	255	- 494
K - A	61	0	H - E	2999	- 979
J-B	317	- 645	F-G	63	0
J-D	35	- 84	E-F	747	- 1753



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Ply: 1

SEQN: 81561 / T106 / MONO

Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.68 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 28.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, 18SS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.578 E 524 360 VERT(TL): 1.059 E 285 240 HORZ(LL): 0.083 A HORZ(TL): 0.152 A Creep Factor: 2.0 Max TC CSI: 0.971 Max BC CSI: 0.602 Max Web CSI: 0.965 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	H 1402 /- /- Wind reactions based on M O Brg Wid = 5.5 Min F H Brg Wid = 4.5 Min F Bearings O & H are a rigid Maximum Top Chord For Chords Tens.Comp. (A - B 930 - 3761 [B - C 1420 - 5964 [Non-Gravity
Lumban				「C-D 1416-5960 F	F - G 1025 - 4430

Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
0	1361	/-	/-	/633	/166	/58
Н	1402	/-	/-	/647	/174	/-
Wir	nd reac	tions bas	sed on	MWFRS		
0	Brg W	/id = 5.5	Min	Req = 1.5	(Truss	s)
Н	Brg W	/id = 4.5	Min	Req = 1.5	(Supp	ort)
Bea	arings (O & H are	e a rigi	d surface.		
Ma	ximum	Top Ch	ord Fo	rces Per	Ply (lbs	s)
Cho	ords T	ens.Con	np.	Chords	Tens.	Comp.
Α-	В	930 - 37	761	D-E	1416	- 5966
В-	С	1420 - 59	964	E-F	1481	- 6337

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP #2 T2 2x4 SP #1; Bot chord 2x4 SP 2400f-2.0E Webs 2x4 SP #3 W2,W10 2x4 SP #2; Rt Bearing Leg: 2x4 SP #3;

Plating Notes

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

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height Pd W Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

Wind

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

End verticals not exposed to wind pressure.

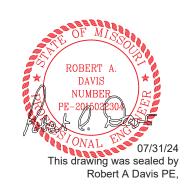
Deflection

Max JT VERT DEFL: LL: 0.57" DL: 0.48". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N N - M	142 - 94 3949 - 963	L-K K-J	6402 - 1504 4643 - 1087
M - L	6402 - 1504	J - I	268 - 72

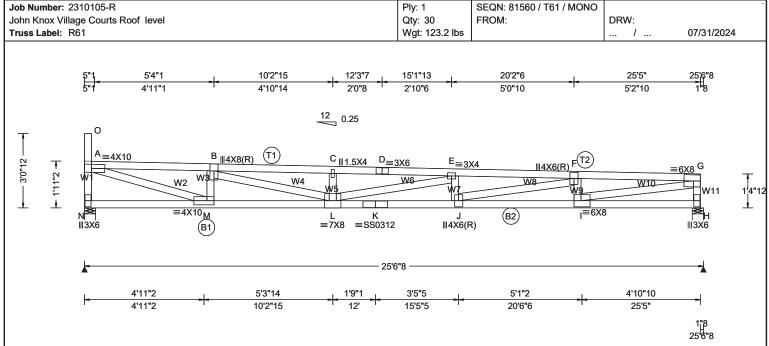
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
0 - A	330 - 1310	E-K	141	- 333
A - N	3812 - 899	K-F	1742	- 398
P - A	5 -3	F-J	285	- 945
N - B	309 - 1000	J - G	4274	- 976
B - M	2105 - 499	H - I	63	0
M - C	154 -413	G-H	554	- 1910
M - E	144 - 459			

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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					2000
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.68 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes	Defi/CSI Criteria PP Deflection in loc L/defi L/# VERT(LL): 0.558 E 546 360 VERT(TL): 1.025 E 297 240 HORZ(LL): 0.080 A HORZ(TL): 0.147 A Creep Factor: 2.0 Max TC CSI: 0.988 Max BC CSI: 0.604 Max Web CSI: 0.868	H 1398 /- /- Wind reactions based on MW N Brg Wid = 5.5 Min Red H Brg Wid = 5.5 Min Red Bearings N & H are a rigid su Maximum Top Chord Force	Non-Gravity / Rw / U / RL /638 /168 /58 /648 /171 /- VFRS q = 1.5 (Truss) q = 1.5 (Truss) urface. us Per Ply (lbs)
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:		ords Tens. Comp.
	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE, 18SS	VIEW Ver: 23.02.04A.0207.10	A - B 1111 - 3794 D - B - C 1705 - 6041 E - C - D 1700 - 6037 F -	F 1790 -6455
Lumber				C-D 1/00-003/ F-	G 12/1 -4023

Value Set: NDS 2015

Top chord 2x4 SP #2 T2 2x4 SP 2400f-2.0E; Bot chord 2x4 SP 2400f-2.0E Webs 2x4 SP #3 W2 2x4 SP #2; W10 2x4 SP #1;

Loading

Drifting snow load has been considered for only in plane loading as follows: Lu1 Lu2 Height 0.00 25.25 1.14 Location Lu1 1.14 7.60 1.85 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.55" DL: 0.46". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

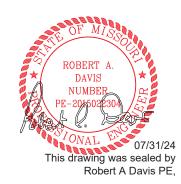
A - B	1111 - 3794	D-E	1700	- 6043
B-C	1705 - 6041	E-F	1790	- 6455
C - D	1700 - 6037	F-G	1271	- 4623

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	178 - 110	K - J	6514 - 1814
M - L	3984 - 1150	J - I	4842 - 1347
L - K	6514 - 1814	I - H	54 - 15

Maximum Web Forces Per Ply (lbs)

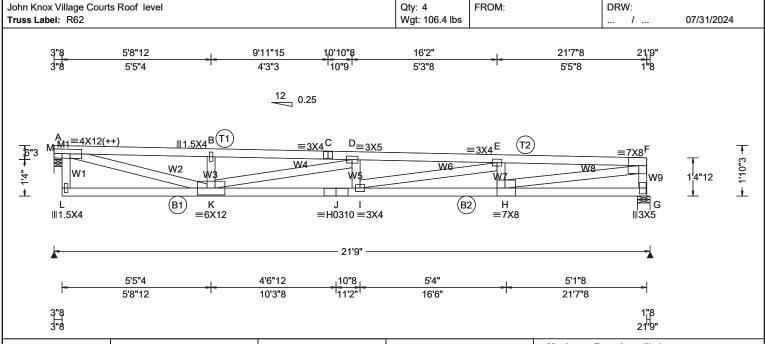
Webs	Tens.Comp.	Webs	l ens.	Comp.
N - A	392 - 1320	L-E	181	- 495
A - M	3846 - 1080	E-J	153	- 309
O - A	6 -3	J-F	1658	- 449
M - B	362 - 1011	F-I	342	- 967
B-L	2148 - 607	I-G	4677	- 1283
L-C	177 -417	G-H	394	- 1334



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Ply: 1

SEQN: 81562 / T68 / MONO

ļ .		4'6"12 10"8	5'4"	5'1"8
'	5'8"12	10'3"8 ¹ 11'2" ¹	16'6"	21'7"8
3 <mark>"8</mark> 3"8				1"8 21"9"
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.64 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.396 I 649 360 VERT(TL): 0.724 I 355 240 HORZ(LL): -0.050 F HORZ(TL): 0.091 F Creep Factor: 2.0 Max TC CSI: 0.996 Max BC CSI: 0.815 Max Web CSI: 0.879 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	Loc R+ /R- /Rh /Rw /U /RL

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP 2400f-2.0E T2 2x4 SP #2; Bot chord 2x4 SP #1 Webs 2x4 SP #3 W2,W8 2x4 SP #2; Lt 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.

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.40" DL: 0.33". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K K - J J - I	153 - 42 4805 - 1183 4805 - 1183	I - H H - G	4047 - 1003 67 - 17

Maximum Web Forces Per Ply (lbs)

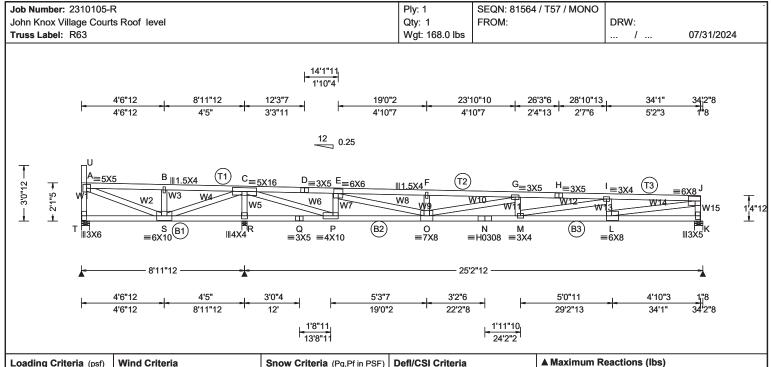
vvebs	rens.comp.	vvebs	rens. Comp.
A - K	3486 -846	D-I	81 - 78
M - A	521 - 1647	I-E	763 - 167
L - M	57 0	E-H	259 - 746
K-B	199 - 508	H-F	3895 - 948
K-D	338 - 1341	F-G	301 - 1115



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.431 G 698 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.799 G 377 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.049 J
Des Ld: 55.00	EXP: B		HORZ(TL): 0.089 J
NCBCLL: 0.00	Mean Height: 44.77 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.886
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.749
Spacing: 24.0 "	C&C Dist a: 3.42 ft	Rep Factors Used: Yes	Max Web CSI: 0.943
	Loc. from endwall: not in 28.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

PP Deflection in loc L/defl L/# VERT(LL): 0.431 G 698 360 L VERT(TL): 0.799 G 377 240 T HORZ(LL): -0.049 J F HORZ(TL): 0.089 J F Creep Factor: 2.0 Max TC CSI: 0.886 Max BC CSI: 0.749 Max Web CSI: 0.943 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	-)	Defl/CSI Criteria	4
VERT(TL): 0.799 G 377 240 HORZ(LL): -0.049 J HORZ(TL): 0.089 J KORZ(TL): 0.886 Max TC CSI: 0.886 Max BC CSI: 0.749 Max Web CSI: 0.943 Mfg Specified Camber:		PP Deflection in loc L/defl L/#	
HORZ(LL): -0.049 J		VERT(LL): 0.431 G 698 360	L
HORZ(TL): 0.089 J NOR CREED Factor: 2.0 Max TC CSI: 0.886 Max BC CSI: 0.749 Max Web CSI: 0.943 Mfg Specified Camber:		VERT(TL): 0.799 G 377 240	٦
Creep Factor: 2.0 Max TC CSI: 0.886 Max BC CSI: 0.749 Max Web CSI: 0.943 Mfg Specified Camber:		HORZ(LL): -0.049 J	F
Max TC CSI: 0.886 Max BC CSI: 0.749 Max Web CSI: 0.943 Mfg Specified Camber:		HORZ(TL): 0.089 J	ŀ
Max BC CSI: 0.749 Max Web CSI: 0.943 Mfg Specified Camber:		Creep Factor: 2.0	١
Max BC CSI: 0.749 Max Web CSI: 0.943 Mfg Specified Camber:		Max TC CSI: 0.886	1
Max Web CSI: 0.943 Mfg Specified Camber:		Max BC CSI: 0.749	٠.
Mfg Specified Camber:		Max Web CSI: 0.943	٠.
VIEW Ver: 23.02.04A.0207.10		Mfg Specified Camber:	-
VIEW Ver: 23.02.04A.0207.10		•	1
		VIEW Ver: 23.02.04A.0207.10	-

Lo	R+	/ R-	/Rh	/ Rw	/ U	/ RL	
Т	120	/-510	/-	/39	/131	/57	
R	2876	/-	/-	/1335	/352	/-	
K	1121	/-	/-	/514	/135	/-	
Wi	nd read	tions bas	sed on N	IWFRS			
Т	Brg V	Vid = 5.5	Min F	Req = 1.5	(Truss	s)	
R	Brg V	Vid = 3.5	Min F	Req = 3.0	(Truss	3)	
K	Brg V	Vid = 5.5	Min F	Req = 1.5	(Truss	3)	
Be	Bearings T, R, & K are a rigid surface.						
Maximum Top Chord Forces Per Ply (lbs)							
				Chords			

Non-Gravity

Gravity

Cilolus	Tells.C	omp.	Cilolus	i ens.	Comp.
A - B B - C C - D	1596	- 267 - 268 - 194	F - G G - H H - I	869	- 3200 - 4380 - 4385
D-E E-F	46	- 198 - 3199	I - J		- 3509

Wind		n Bot Chord Fo			,
Top chord 2x4 SP #2 Bot chord 2x4 SP #1 B1 2x4 SP #2; Webs 2x4 SP #3 W4,W6,W8,W14 2x4 SP #2;	D - E E - F	46 - 198 643 - 3199	I-J	693	- 3509
Value Set: NDS 2015	C-D	47 - 194	H-I	868	- 4385

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

End verticals not exposed to wind pressure.

Lumber Val To Bo

Max JT VERT DEFL: LL: 0.43" DL: 0.42". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Negative reaction(s) of -510# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Chords	Tens.Comp.	Chords	Tens. Comp.	
T-S	135 -47	O - N	4397 - 877	,
S-R	758 - 3811	N - M	4397 - 877	7
R-Q	757 - 3806	M - L	3669 - 739)
Q-P	757 - 3806	L-K	58 - 12	2
P - O	436 - 86			

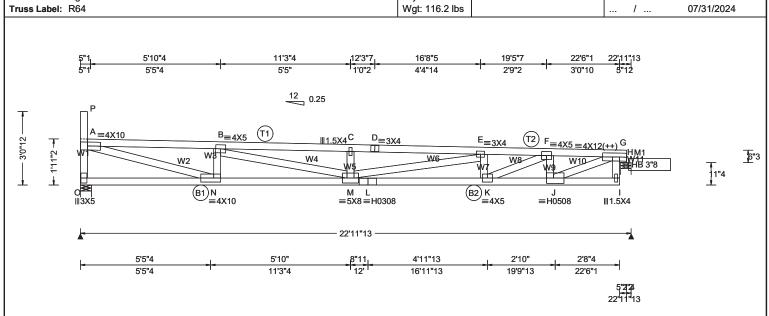
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	l ens.	Comp.
T - A	550 - 91	E-0	2912	- 571
A - S	348 - 1677	0 - F	144	- 434
U - A	4 -2	0 - G	258	- 1256
S-B	146 -443	G - M	88	- 84
S-C	2766 - 504	M - I	733	- 184
R-C	576 - 2724	I-L	208	- 714
C - P	4179 - 823	L-J	3533	- 695
P - E	314 - 1275	J - K	235	- 1061

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Ply: 1

Qty: 4

SEQN: 81565 / T41 / MONO

FROM:

DRW:

Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.71 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 28.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.393 C 691 360 VERT(TL): 0.720 C 377 240 HORZ(LL): 0.056 A HORZ(TL): 0.102 A Creep Factor: 2.0 Max TC CSI: 0.858 Max BC CSI: 0.764 Max Web CSI: 0.980 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	H 1256 /- /- Wind reactions based on I O Brg Wid = 5.5 Min H Brg Wid = 5.2 Min Bearings O & H are a rigio Maximum Top Chord Fo Chords Tens.Comp. A - B 922 - 3569 B - C 1275 - 5120	Non-Gravity / Rw / U / RL /568 /150 /57 /580 /157 /- MWFRS Req = 1.5 Req = 1.5 d surface.

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

John Knox Village Courts Roof level

Top chord 2x4 SP #2 T2 2x4 SP 2400f-2.0E; Bot chord 2x4 SP #1 Webs 2x4 SP #3 W2 2x4 SP #2; W11 2x4 SP #1; Rt Bearing Leg: 2x4 SP #3;

Plating Notes

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

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height Pd 0.00 22.51 7.60 1.85 0.29 1.14 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.39" DL: 0.33". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

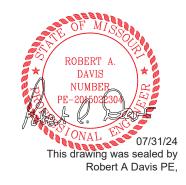
Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Cor	np.
O - N	139 - 98	L-K	4330 - 1	068
N - M	3728 - 953	K-J	2751 -	676
M - L	4330 - 1068	J - I	152	- 40

Maximum Web Forces Per Ply (lbs)

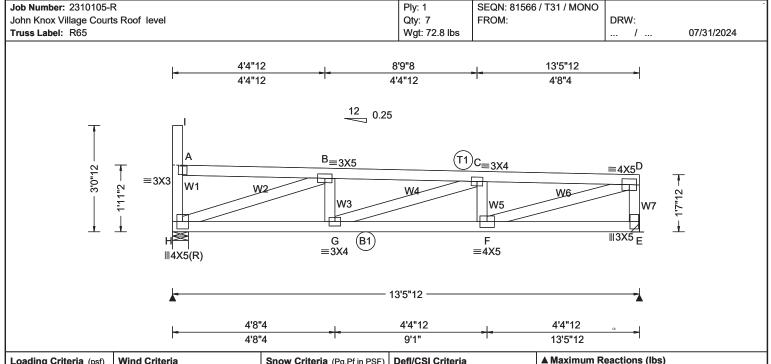
Webs	Tens.Comp.	Webs	Tens.	Comp.
O - A	314 - 1165	E-K	212	- 628
A - N	3584 - 892	K-F	1610	- 386
P - A	5 -3	F-J	274	- 1006
N - B	290 -836	J - G	2573	-623
B - M	1439 - 368	H - I	45	0
M - C	181 -468	G-H	400	- 1381
M-F	807 - 199			



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	9"4 9"4	4'4"12 9'1"	4'4"12
Coading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/VERT(LL): 0.063 C 999 3 VERT(TL): 0.116 C 999 2 HORZ(LL): 0.014 A HORZ(TL): 0.026 A Creep Factor: 2.0 Max TC CSI: 0.449 Max BC CSI: 0.436 Max Web CSI: 0.669 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	60

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.14 7.60 1.85 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Wind reactions based on MWFRS
H Brg Wid = 5.5 Min Req = 1.5 (Truss)
E Brg Wid = - Min Req = -
Bearing H is a rigid surface.
Maximum Top Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
A - B 90 - 125 C - D 488 - 1585 B - C 500 - 1541
B - C 500 - 1541
Mandagona Dat Oband Fances Dan Dha (lba)

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. F-E H-G 1510 - 498 28 -9 G-F 1660 - 523

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. H - A 68 - 151 G-C 102 - 131 H - B 509 - 1571 C - F 192 -403 I-A 5 -3 F-D 1625 -499

D-E

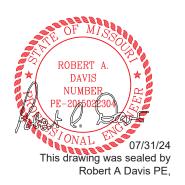
238

-695

0

B - G

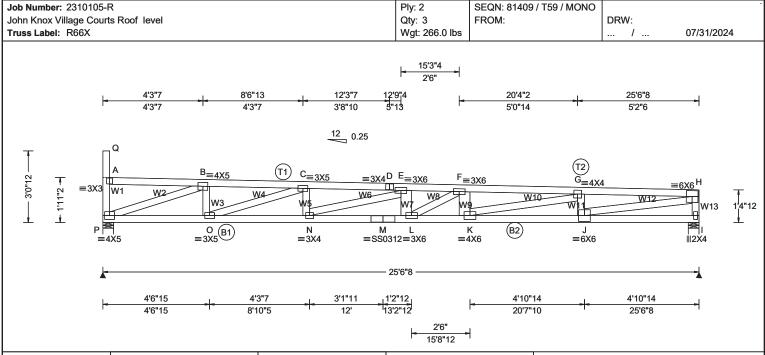
141



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.489 E 626 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.636 E 481 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.074 A
Des Ld: 55.00	EXP: B		HORZ(TL): 0.097 A
NCBCLL: 0.00	Mean Height: 44.68 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.401
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.480
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMa0xalAMeb CSI: 0.749
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, 18SS	VIEW Ver: 23.02.04A.0207.10
Lumber		Deflection	

Value Set: NDS 2015

Top chord 2x4 SP 2400f-2.0E Bot chord 2x4 SP 2400f-2.0E

Webs 2x4 SP #3 W7,W9 2x6 SP #1; W12 2x4 SP #2;

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @12.00" 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 BC: From 90 plf at 20 plf at 0.29 to 90 plf at 25.42 0.00 to 20 plf at TC: 1600 lb Conc. Load at 13.00

TC: -1100 lb Conc. Load at 15.50

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.29 0.00 25.25 1.14 7.60 1.85 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.49" DL: 0.22". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



A	Maximum	Reactions	(lbs)
	Grav	rity .	

)	Loc	R+	/ R-	/ Rh	/Rw	/U	/RL
)	Р	1732	/-	/-	/641	/348	/59
	1	1802	/-	/-	/651	/382	/-
	Win	d react	ions bas	ed on MW	/FRS		
	Р	Brg W	id = 5.5	Min Re	q = 1.5	(Truss))
				Min Re		(Truss))
	Bea	rings F	& I are	a rigid sur	face.		

Non-Gravity

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

		0		
A - B	51 - 79	E-F	1153 -4724	
B - C	505 - 2247	F-G	1130 - 4636	
C - D	891 - 3862	G-H	715 - 3160	
D-E	891 - 3863			

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Cnoras	rens. Comp).
P-0	2133 -480	L-K	4746 - 117	o o
O - N	3778 -868	K - J	3314 - 75	7
N - M	4895 - 1252	J - I	33 -	8
M - L	4895 - 1252			

Webs

Tens. Comp.

Maximum Web Forces Per Ply (lbs)

Tens.Comp.

- 555
- 5555
- 1071
- 350
- 384
- 678
- 726
-867

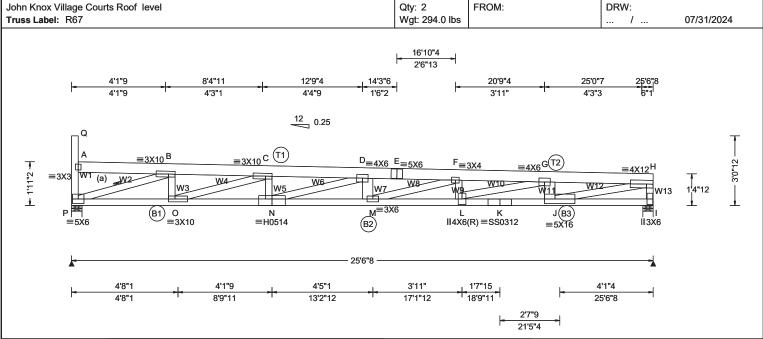
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccs



Ply: 2

SEQN: 81431 / T58 / MONO

TCDL: 15.00 Speed: 109 mph Pf: 15.0(state 10.00 Enclosure: Closed Lu: - Snow Du	Ct: 1.0 CAT: II PP Deflection in loc L/defl L/# specified) Ce: 1.0 VERT(LL): 0.830 M 369 36 VERT(TL): 1.053 M 291 24	0
NCBCLL: 0.00 Mean Height: 44.68 π Code / M	uration: 1.15)
Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fact	Misc Criteria Creep Factor: 2.0 de: IBC 2018 Max TC CSI: 0.438	

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x6 SP 2400f-2.0E Bot chord 2x4 SP 2400f-2.0E Webs 2x4 SP #3 W7,W11 2x6 SP #1; W12 2x4 SP #1;

(a) Continuous lateral restraint equally spaced on

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @ 9.00" o.c. Bot Chord: 1 Row @12.00" o.c. : 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) C: From 90 plf at 0.29 to 90 plf at 2 90 plf at TC: From 90 plf at BC: From 20 plf at 0.00 to 20 plf at 25 42 TC: 1600 lb Conc. Load at 13.00,21.00

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 25.25 1.14 7.60 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

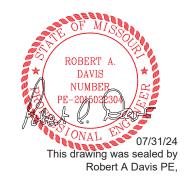
End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.83" DL: 0.22". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



A	Maximum	Reactions	(lbs)

	G	ravity		INC	n-Grav	ıιy
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/RL
Р	2449	/-	/-	/641	/722	/59
I	3521	/-73	/-	/651	/1279	/-
		tions b	ased on M	IWFRS		
Р	Brg W	/id = 5.	5 Min R	Req = 1.5	(Truss)
1	Brg W	/id = 5.	5 Min R	Req = 1.5	(Truss)
Bea	arings F	P&lar	e a rigid s	urface.		
1						

Maximum Top Chord Forces Per Ply (lbs)

Choras	rens.comp.	Chords	rens. Comp.
A - B	53 - 76	E-F	3042 -8452
B - C	1056 - 3393	F-G	2869 - 7965
C - D	2100 - 6256	G-H	2193 - 5870
D-E	3042 - 8450		

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Cnoras	i ens.	Comp.	
P-0	3199 - 993	L-K	6425	- 2416	
O - N	6091 - 2035	K - J	6425	- 2416	
N - M	8488 - 3067	J - I	48	- 17	
M - L	8059 - 2901				

Maximum Web Forces Per Ply (lbs)

vvebs	rens.Comp.	vvebs	i ens.	Comp.
P-A	39 - 114	D - M	81	- 123
P - B	1038 - 3337	M - F	409	- 147
Q - A	3 -2	F-L	142	-416
B - O	994 - 325	L-G	1609	- 473
O - C	1036 - 2858	G-J	598	- 1492
C - N	797 - 312	J - H	5977	- 2234
N - D	1018 - 2349	H - I	631	- 1707

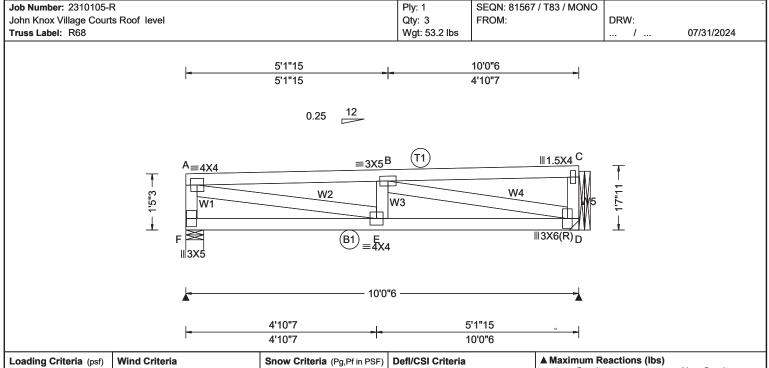
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		4 10 7	1000		
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.56 ft TCDL: 5.0 psf	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria	PP Deflection in loc L/defl L/# VERT(LL): 0.048 B 999 360 VERT(TL): 0.087 B 999 240 HORZ(LL): 0.006 D HORZ(TL): 0.011 D Creep Factor: 2.0	Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh F 552 /- /- D 552 /- /- Wind reactions based on MW F Brg Wid = 5.5 Min Red D Brd Wid = - Min Red	Non-Gravity / Rw / U / RL /254 /66 /7 /254 /67 /- /FRS q = 1.5
Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Max TC CSI: 0.459 Max BC CSI: 0.399 Max Web CSI: 0.625 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	Bearing F is a rigid surface. Maximum Top Chord Force	es Per Ply (lbs) ords Tens. Comp.
	wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10		

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Tens. Comp. Chords Tens.Comp. Chords F-E 1282 39 F-D

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.		
A - F	262	- 503	B - D	616	- 1294	
A - E	1234	- 548	C - D	115	- 179	
F-R	180	- 186				

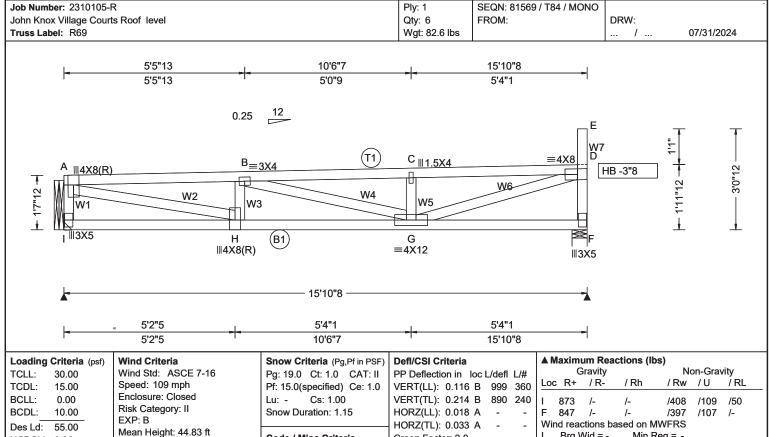


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Soffit:

NCBCLL: 0.00

Spacing: 24.0 "

Load Duration: 1.25

2.00

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

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

TCDL: 5.0 psf

BCDL: 4.0 psf

C&C Dist a: 3.00 ft

Wind Duration: 1.60

Loc. from endwall: Any GCpi: 0.18

MWFRS Parallel Dist: 0 to h/2

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Creep Factor: 2.0 Max TC CSI: 0.715 Max BC CSI: 0.607 Max Web CSI: 0.839 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Gravity				Non-Gravity			
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
I	873	/-	/-	/408	/109	/50	
F	847	/-	/-	/397	/107	/-	
Win	d read	tions b	ased on M	IWFRS			
1	Brg V	/id = -	Min F	Req = -			
F	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Truss	s)	
Bea	ring F	is a rig	id surface		•		
l	_					_	

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B B - C	824 - 2180 831 - 2103		840 - 2099
D-C	031 -2103		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. C	omp.
I - H H - G			G-F	76	- 62

Maximum Web Forces Per Ply (lbs)

rens.Comp.		vvebs	rens. (omp.
342	- 819	C - G	246	-431
2202	-829	G-D	2105	-837
265	- 464	D-F	340	- 798
132	- 173	E-D	6	-3
	342 2202 265	342 - 819 2202 - 829 265 - 464 132 - 173	342 -819 C-G 2202 -829 G-D 265 -464 D-F	342 -819 C-G 246 2202 -829 G-D 2105 265 -464 D-F 340



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Code / Misc Criteria

Bldg Code: IBC 2018

Rep Factors Used: Yes

FT/RT:20(0)/10(0)

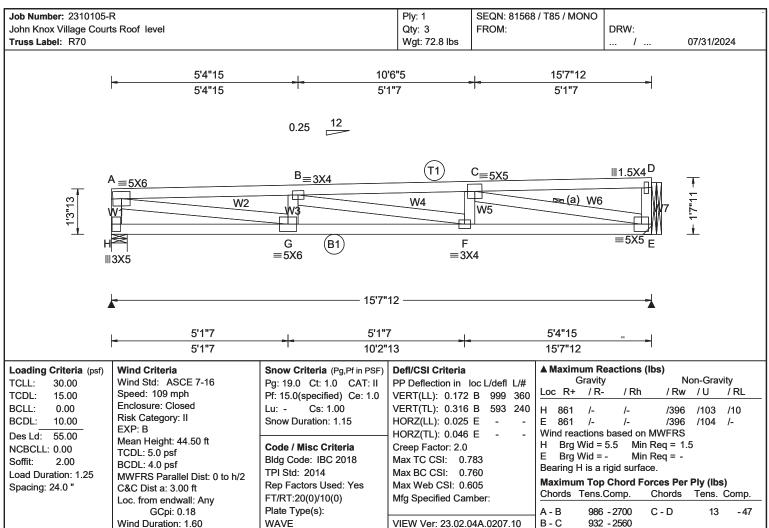
TPI Std: 2014

Plate Type(s):

WAVE

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Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 W2 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Wind

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.17" DL: 0.14". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

VIEW Ver: 23.02.04A.0207.10

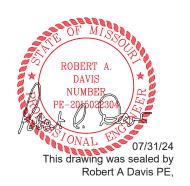
A - B	986 - 2700	C - E
B - C	932 - 2560	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Comp.
H-G G-F	65 - 44 2806 - 1063	F-E	2516	- 945

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens.	Comp.
A - H	328	- 801	F-C	172	0
A - G	2682	- 976	C - E	957	- 2546
G-B	251	- 451	D-E	108	-203
B - F	126	- 258			



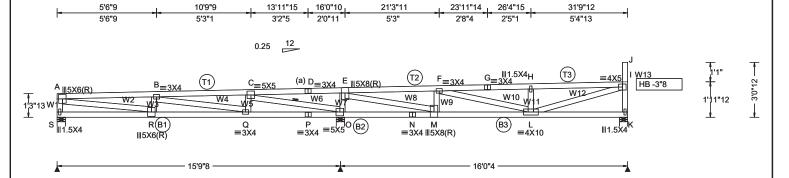
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Job Number: 2310105-R Ply: 1 SEQN: 81570 / T52 / MONO John Knox Village Courts Roof level Qty: 6 FROM: DRW: Wgt: 156.8 lbs Truss Label: R71 / ... 07/31/2024



4'0"10

19'9"12

1'2"7 21'0"3

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.128 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.257 B 736 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.015 A
Des Ld: 55.00	EXP: B		HORZ(TL): 0.030 A
NCBCLL: 0.00	Mean Height: 44.67 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.991
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.619
Spacing: 24.0 "	C&C Dist a: 3.18 ft	Rep Factors Used: Yes	Max Web CSI: 0.990
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10
Lumber			

3'5"15

14'

5'3"1

10'6"1

1'9"2

15'9"2

S 715 0 2134 729 0

C - O

0 - F

5'4"13

31'9"12

▲ Maximum Reactions (lbs) Gravity

5'4"13

26'4"15

R+ /R /Rh /Rw /U /-/311 /81 /61 /_ /986 /260 /-/-/313 /83 /-/-Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 Brg Wid = 5.5 Min Req = 2.1 (Truss) Brg Wid = 5.5 Min Req = 1.5 Bearings S, O, & K are a rigid surface. Maximum Top Chord Forces Per Ply (lbs)

Non-Gravity

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	429 - 2087	E-F	213 - 1266
B - C	208 - 1254	F-G	395 - 1728
C - D	1988 - 505	G-H	396 - 1723
D-E	1991 - 504	H - I	402 - 1723

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	Comp.	Chords	Tens.	Comp.		
S-R	64	- 152	O - N	406	- 1715		
R-Q	2157	- 552	N - M	406	- 1715		
Q-P	1181	- 279	M - L	1370	- 242		

S-R	64	- 152	O - N	406	- 1715
R-Q	2157	- 552	N - M	406	- 1715
Q-P	1181	- 279	M - L	1370	- 242
P-0	1181	- 279	L-K	69	- 47
		_			
Movimu	m Wah	Earne	Dor Div /II	ha)	

Maximum Web Forces Per Ply (lbs)						
Webs	Tens.Con	np.	Webs	Tens. 0	Comp.	
A - S	167 - 6	358	E - M	2598	- 587	
A - R	2056 -4	119	M - F	206	- 621	
R-B	135 - 3	305	F-L	628	- 144	
B - Q	276 - 1	108	H-L	183	- 476	
0-0	338 .	. 17	1 -1	1720	_ 390	

I-K

J - I

176

6

-680

676 - 2879

364 - 1304

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

(a) Continuous lateral restraint equally spaced on member.

5'3"1

5'3"1

Wind

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.13" DL: 0.16". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

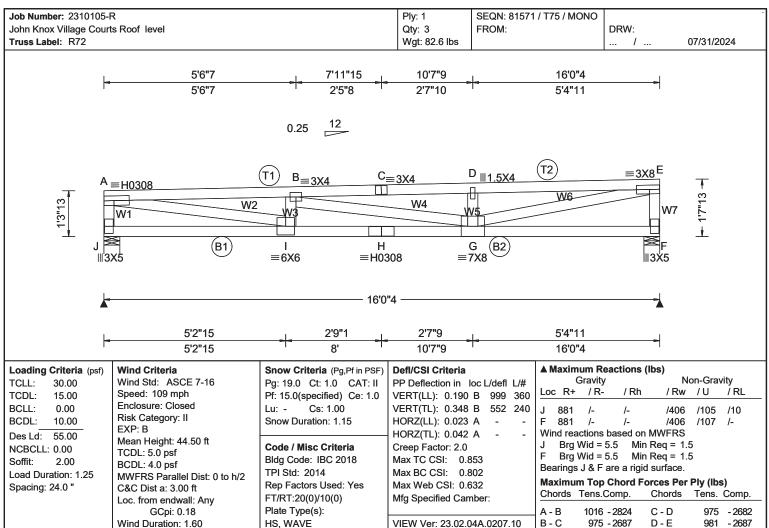


WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2

Webs 2x4 SP #3 W2,W6 2x4 SP #2;

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

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.19" DL: 0.16". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp J - I 70 H-G 2931 - 1094 - 46 I - H 2931 - 1094 G-F 47 - 17

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 332 - 821 269 A - J D - G -499

A - I 2801 - 1005 G - E 2716 -996 I-B 254 - 456 E-F 337 -824 B - G 113 - 255

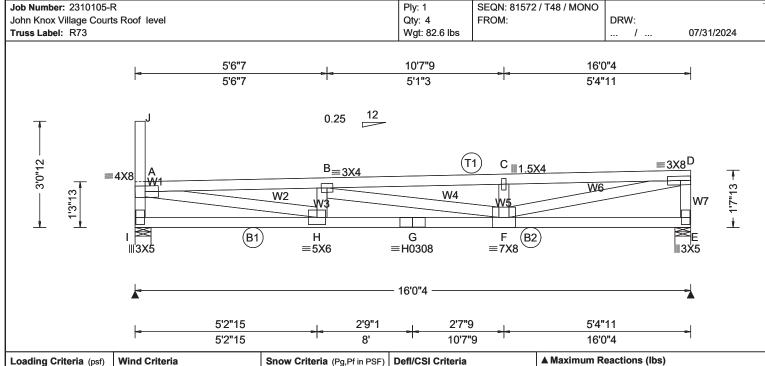


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Loading Criteria (psf)						
TCLL:	30.00					
TCDL:	15.00					
BCLL:	0.00					
BCDL:	10.00					
Des Ld:	55.00					
NCBCLL:	0.00					
Soffit:	2.00					
Load Duration: 1.25						
Spacing:	24.0 "					

Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.51 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft

Loc. from endwall: Any GCpi: 0.18

Wind Duration: 1.60

Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria

Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.188 B 999 360 VERT(TL): 0.345 B 557 240 HORZ(LL): 0.019 A HORZ(TL): 0.034 A Creep Factor: 2.0 Max TC CSI: 0.767 Max BC CSI: 0.799 Max Web CSI: 0.681 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10 B-C

▲ Maximum Reacti	ons (lbs)	
Gravity		

1029 - 2686

341 - 292

Maximum Web Forces Per Ply (lbs)

2925 - 1209

Chords Tens.Comp.

Loc	R+	/ R-	/ Rh	/Rw	/ U	/RL
I	855	/-	/-	/402	/107	/64
Е	881	/-	/-	/414	/112	/-
Win	d react	tions bas	ed on MW	/FRS		
1	Brg W	id = 5.5	Min Red	q = 1.5		
Ε	Brg W	id = 5.5	Min Red	i = 1.5		
			a rigid sur			

Non-Gravity

Tens. Comp

- 1209

- 18

2925

47

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

Chords Tens. Comp. A - B 1145 - 2845 C - D 1035 - 2686

Chords

G-F

F-F

Maximum Bot Chord Forces Per Ply (lbs)

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 W2,W6 2x4 SP #2;

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.74 27.32 3.96 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.18" DL: 0.15". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Webs Tens.Comp. Webs Tens. Comp. 332 - 801 174 - 250 I - A B - F C - F A - H 2747 - 1165 270 -500 J - A 9 - 5 F-D 2715 - 1052 H - B 256 - 377 D-E 350 -824

I-H

H-G

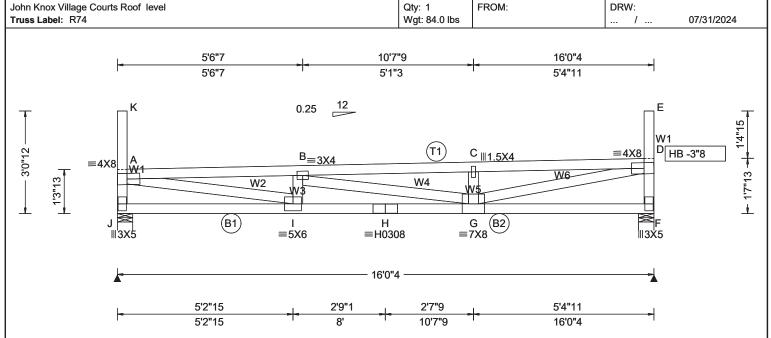


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Ply: 1

SEQN: 81573 / T51 / MONO

	5'2"15	2'9"1	2'7"9	5'4"11
	5'2"15	8'	10'7"9	16'0"4
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.50 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCni: 0 18	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.185 B 999 360 VERT(TL): 0.342 B 561 240 HORZ(LL): 0.018 A HORZ(TL): 0.034 A Creep Factor: 2.0 Max TC CSI: 0.752 Max BC CSI: 0.798 Max Web CSI: 0.681 Mfg Specified Camber:	

WAVE, HS

Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	855	/-	/-	/410	/112	/105
F	855	/-	/-	/410	/113	/-
	id rea	ctions b	ased on	MWFRS		
J	Brg \	Nid = 5	5 Min	Req = 1.5	5	
F	Brg \	Nid = 5	.5 Min	Req = 1.	5	
Bea	arings	J&Fa	re a rigio	d surface.		
Maximum Top Chord Forces Per Ply (lbs)						
Cho	ords	Tens.C	omp.	Chords	Tens.	Comp.
A - B -		1052 - 972 -	2844 2683	C - D	981	- 2678

(lbs)

Non-Gravity

Maximum Bot Chord Forces Per Ply (lbs)						
Chords	Tens.Comp.	Chords	Tens.	Comp.		
J - I	422 -434	H-G	2924			
I - H	2924 - 1257	G-F	94	- 99		

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 343 - 800 241 -420 J - A C - G A - I 2746 - 1217 G - D 2648 - 1116 K - A 9 -5 D-F 352 -802 I-B 265 - 378 E-D -4

B-G

250 - 253

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2

Job Number: 2310105-R

Webs 2x4 SP #3 W2,W6 2x4 SP #2;

Loading

Drifting snow load has been considered for only in plane loading as follows: Location Lu1 Lu2 Height 0.00 20.00 1.74 27.32 3.96 15.73 0.00 20.00 1.42 16.72 4.06 Where: Lu1 = leeward distance, Lu2 = windward distance Pd = max applied load, W = length of applied load.

Wind Duration: 1.60

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.18" DL: 0.15". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

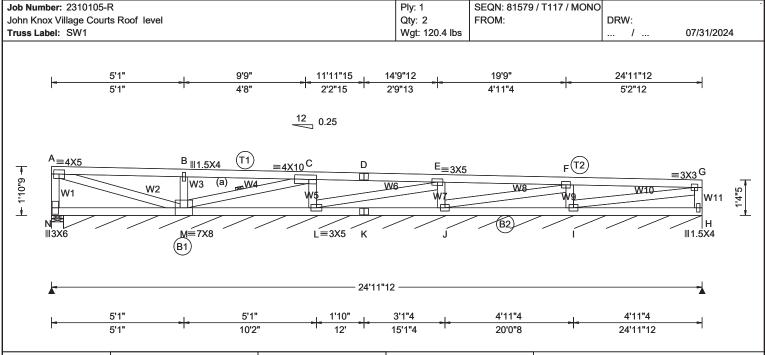


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.001 A 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.001 F 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.086 G
Des Ld: 55.00	EXP: B		HORZ(TL): 0.097 G
NCBCLL: 0.00	Mean Height: 44.64 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.478
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.986
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMola0xalAnkeb CSI: 0.979
	Loc. from endwall: not in 28.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10

▲ M	axim	um Reac	tions (lbs), or *=	PLF	
	G	avity		No	on-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N	227	/-	/-	/627	/464	/7494
H*	103	/-	/-	/66	/12	/-
L		/-290				
Win	d read	ctions ba	sed on	MWFRS		
N	Brg V	Vid = 5.5	Min	Req = 1.5	(Truss	s)
Н	Brg V	Vid = 294	4 Min	Req = -	•	
Bea	Bearings N & N are a rigid surface.					
Maximum Top Chord Forces Per Ply (lbs)						
				Chords	• •	•
A - F	3	1866 - 1	869	D-F	1098	- 1088

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #1 B2 2x4 SP #2; Webs 2x4 SP #3

Lumber

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Loading

Truss transfers a maximum horizontal load of 7494 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.
Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 7494 300.00 TC 0.00 24.98 300.00 TC

7494 BC 0.00

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -464# MAX. Requires uplift connection. See Maximum Reactions.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

1093 - 1101

1734 - 1722

B-C

C - D

Chords Tens.Comp.		Chords	Tens. Comp.	
N - M	7478 - 7464	K-J	1523 - 1497	7
M - L	2989 - 2960	J - I	602 - 569	9
L-K	1523 - 1497	I - H	32 -8	3

E-F

F-G

1635

1051

- 1618

- 1028

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens. (Jomp.
A - N	500 - 582	E-J	301	- 488
A - M	1926 - 1936	J-F	840	- 889
M - B	184 - 495	F-I	185	-499
M - C	2749 - 2773	I - G	516	- 559
C-L	746 - 933	G-H	86	- 176
L-E	1322 - 1360			

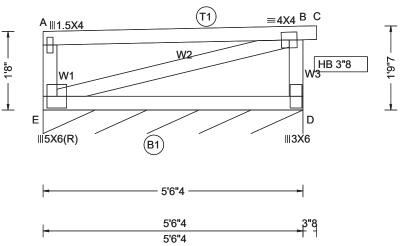
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Job Number: 2310105-R Ply: 1 SEQN: 81580 / T128 / MONO John Knox Village Courts Roof level Qty: 2 DRW: FROM: Truss Label: SW2 Wgt: 30.8 lbs / ... 07/31/2024

> 12 0.25



Coading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15	Defi/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.001 B 999 360 VERT(TL): 0.001 B 999 240 HORZ(LL): 0.032 A HORZ(TL): 0.034 A	
Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 44.75 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft GCpi: 0.18 Wind Duration: 1.60	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0 Max TC CSI: 0.705 Max BC CSI: 0.351	'\

▲ Maximum Reactions (lbs), or *=PLF						
	Gravity		No	on-Gra	vity	
Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	
E* 115	i /-	/-	/52	/14	/16	
Е	/-360					
D	/-318					
Wind re	actions b	ased on	MWFRS			
E Bro	Wid = 6	6.3 Min	Reg = -			
Bearing E is a rigid surface.						
Maximum Top Chord Forces Per Ply (lbs)						
Chords	Tens.C	omp.	Chords	Tens.	Comp.	
A - B	1630 -	1661	B - C	87	- 88	
	E* 115 E D Wind re E Brog Bearing Maximu	Cravity	Cravity Company Comp	Gravity	Cravity	

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

E-D 1749 - 1718

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - E	138 - 249	B - D	371 - 493
E-B	1785 - 1783		

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Truss transfers a maximum horizontal load of 1744 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and Case 1: 1744 300.00 TC 0.00 5.81 1656 300.00 BC 0.00 5.52

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

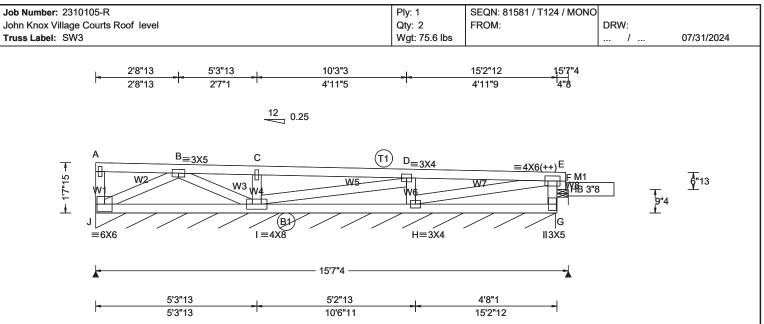


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				4 18 15 "7 "4	
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.52 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.017 B 999 360 VERT(TL): 0.020 B 999 240 HORZ(LL): 0.026 E HORZ(TL): 0.029 E Creep Factor: 2.0 Max TC CSI: 0.193 Max BC CSI: 0.255	F - /-323 /- J /-618 I /-323 Wind reactions based on M J Brg Wid = 182 Min F F Brg Wid = 4.5 Min F Bearings J & F are a rigid s Maximum Top Chord For	Non-Gravity / Rw / U / RL /59 /19 /307 /114 /255 /- //WFRS Req = - Req = 1.5 (Support) surface.
Lumban	Willia Duration. 1.00	WAVE	VIEW Vel. 23.02.04A.0207.10	A - B 809 - 819 (C - D 1374 - 1369

Value Set: NDS 2015

Top chord 2x4 SP 2400f-2.0E Bot chord 2x4 SP 2400f-2.0E Webs 2x4 SP #3 Rt Bearing Leg: 2x4 SP #3;

Plating Notes

All plates are 1.5X4 except as noted.

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

Truss transfers a maximum horizontal load of 4656 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record. Drag Loads: Force(#) (PLF) Mbr Start End Case 1: 4656 300.0Ó TC 0.00 15.52 4656 BC 0.00

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -323# MAX. Requires uplift connection. See Maximum Reactions.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

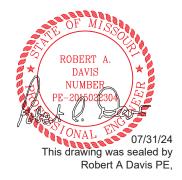
A - B	809 -819	C - D	1374 - 1369	9
B - C	2150 - 2144	D-E	925 - 905	5

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp	
J - I I - H	3190 - 3091 738 - 703	H-G	61	- 23

Maximum Web Forces Per Ply (lbs)

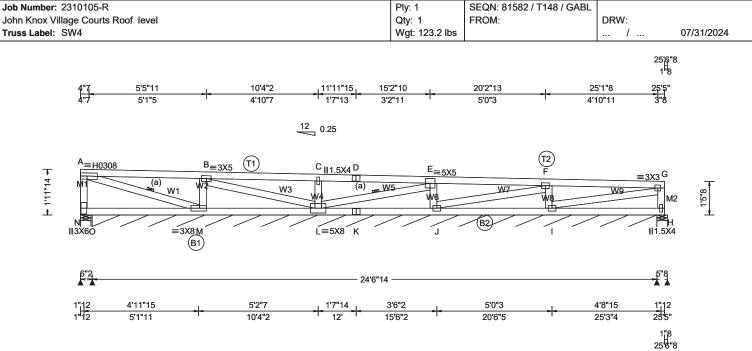
vvebs	rens.comp.	vvens	rens. Comp.
A - J	47 - 110	D-H	207 -482
J-B	1624 - 1725	H - E	626 - 677
B - I	1571 - 1688	F-G	227 - 524
I-C	153 - 357	E-F	442 - 740
I - D	974 - 1014		



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.006 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.007 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.089 G
Des Ld: 55.00	EXP: B		HORZ(TL): 0.101 G
NCBCLL: 0.00	Mean Height: 44.75 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.515
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.533
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana a Aleber CSI: 0.748
	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	HS, WAVE	VIEW Ver: 23.02.04A.0207.10
The same to the same		A -1-11411 N1 - 4	

Additional Notes

Negative reaction(s) of -659# MAX. Requires uplift connection. See Maximum Reactions.

See DWG GBLLETIN1014 for gable wind bracing requirements.

Provide for complete drainage of roof.

Lumber

Value Set: NDS 2015

Top chord 2x4 SP #2

Bot chord 2x4 SP 2400f-2.0E B2 2x4 SP #2; Webs 2x4 SP #3

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Loading

Truss transfers a maximum horizontal load of 7625 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.
Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 7625 300.00 TC 0.00 25.42

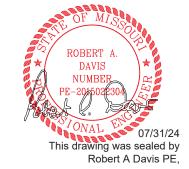
Case 1: 300.00 TC 7625 BC 0.00

Wind

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

End verticals not exposed to wind pressure.

Truss must be installed as shown with top chord up.



				25'6"8			
▲ N	laxim	um Reac	tions (I	bs), or *=	PLF		
	(Gravity		N	on-Grav	/ity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
N	233	/-	/-	/826	/659	/7625	
0*	96	/-	/-	/65	/11	/-	
Н	213	/-	/-	/235	/80	/-	
М		/-188					
J		/-144					
Wir	nd rea	ctions ba	sed on N	MWFRS			
N	Brg \	Vid = 5.5	Min I	Req = 1.5	(Truss	s)	
0	Brg \	Wid = 294	4 Min I	Req = -			
н	Bra \	Wid = 5.5	Min I	Rea = 1 !	(Truss	;)	

Bearings N, O, & H are a rigid surface.

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

A - B	2425 - 2414	D-E	855	-864
B - C	2061 - 2065	E-F	1313	- 1302
C - D	599 - 604	F-G	957	- 937

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (omp.
N - M	7613 - 7599	K-J	1896	- 1867
M - L	5154 - 5121	J - I	694	-663
L-K	1896 - 1867	I - H	29	-7

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	vvebs	i ens.	Comp.
A - M	2513 - 2538	E-J	539	- 731
M - B	259 - 514	J-F	1091	- 1133
B-L	1267 - 1295	F-I	210	- 501
L-C	154 - 417	I-G	602	- 640
L-E	2105 - 2129			

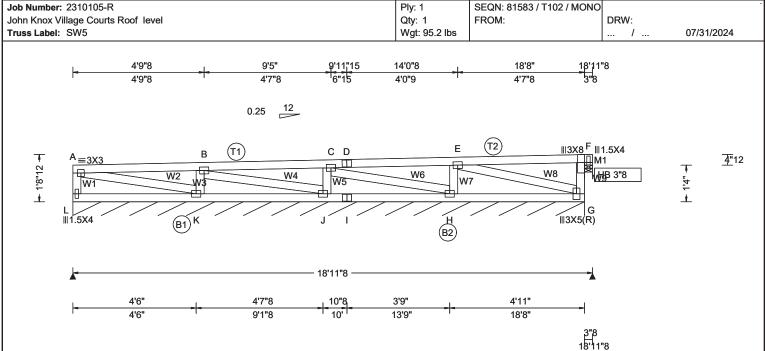
Maximum Gable Forces Per Ply (lbs)

Gables	Tens.Comp.	Gables	Gables Tens. Com	
Δ - Ν	696 - 781	G-H	110 -	195

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			18'11"	8			
Loading Criteria (psf) Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.55 ft TCDL: 5.0 psf BCDL: 4.0 psf Load Duration: 1.25 MWFRS Parallel Dist: > 2h MWFRS Parallel Di	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014	Defi/CSI Criteria PP Deflection in loc L/defi L/# VERT(LL): 0.001 F 999 360 VERT(TL): 0.002 F 999 240 HORZ(LL): 0.000 E HORZ(TL): 0.001 E Creep Factor: 2.0 Max TC CSI: 0.404 Max BC CSI: 0.110	18'11" ▲ Maximum Re Gravity Loc R+ / R- L* 133 /- F - /-40 Wind reactions L Brg Wid = F Brg Wid = Bearings L & F	/ Rh /- 5 /- based o 224 M 3.5 M	/59 /96 n MWFRS in Req = - in Req = 1.	/ U /19 /138	/ RL /1 /-
Load Duration: 1.25 Spacing: 24.0 " MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 57 GCpi: 0.18 Wind Duration: 1.60	Rep Factors Used: Yes	Max Web CSI: 0.085 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	Maximum Top Chords Tens.0 A - B 55 B - C 39 C - D 24		Chords D - E E - F	• •	Comp. - 16

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2

Webs 2x4 SP #3 Rt Bearing Leg: 2x4 SP #3;

Plating Notes

All plates are 3X4 except as noted.

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -405# MAX. from a non-wind load case requires uplift connection. See Maximum

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

	Choras	rens.c	omp.	Choras	rens. C	omp.
	A - B			D-E	32	- 16
	A - B B - C C - D	39	- 18	E-F	4	- 27
_	C-D	24	- 16			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. C	comp.
L-K	25	-7	I-H	51	- 29
K - J	64	- 22	H - G	66	- 29
J - I	51	- 10			

Maximum Web Forces Per Ply (lbs)

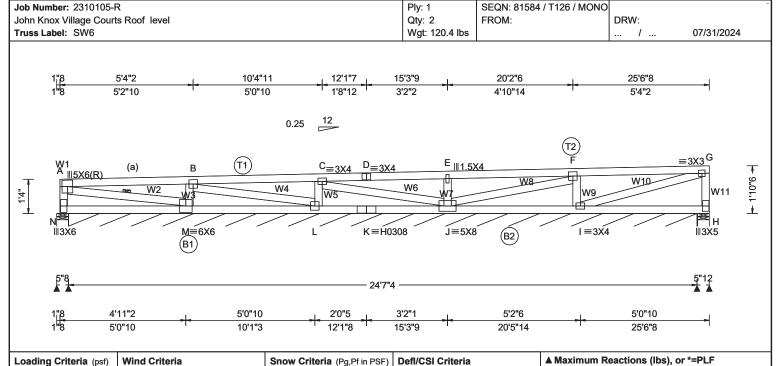
rens.comp.		vvebs	rens.	ns. Comp.		
64	- 159	C-H	38	- 82		
32	- 77	H - E	178	- 443		
186	- 464	E-G	25	- 46		
47	- 102	F-G	251	-620		
153	- 382					
	64 32 186 47	64 - 159 32 - 77	64 -159 C-H 32 -77 H-E 186 -464 E-G 47 -102 F-G	64 -159 C-H 38 32 -77 H-E 178 186 -464 E-G 25 47 -102 F-G 251		



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.008 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.010 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.098 E
Des Ld: 55.00	EXP: B		HORZ(TL): 0.111 E
NCBCLL: 0.00	Mean Height: 44.62 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.596
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.623
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMa0xaMakeb CSI: 0.846
' "	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10
Lumber			

ı	Glavity				NOII-Glavity		
	Loc	R+	/ R-	/Rh	/Rw	/ U	/ RL
	N	216	/-	/-	/698	/542	/7625
	N*	96	/-	/-	/44	/12	/-
	Н	224	/-	/-	/309	/147	/-
	Wind reactions based on MWFRS						
	N	Brg W	'id = 5.5	Min Re	q = 1.5	(Truss)
	N	Brg W	id = 295	Min Re	q = -		
	Н	Brg W	id = 5.5	Min Re	q = 1.5	(Truss)
	Bearings N, N, & H are a rigid surface.						
	Maximum Top Chord Forces Per Ply (lbs)						

Non-Gravity

Chords	Tens.Comp.	Chords	Tens. (Comp.
A - B	2668 - 2651	D-E	1570	- 1580
B - C	2826 - 2818	E-F	846	- 852
C - D	2089 - 2100	F-G	826	-816

(a) Continuous lateral restraint equally spaced on member.

Bot chord 2x4 SP 2400f-2.0E B2 2x4 SP #2;

Plating Notes

Value Set: NDS 2015 Top chord 2x4 SP #2

Webs 2x4 SP #3

All plates are 4X4 except as noted.

Loading

Truss transfers a maximum horizontal load of 7625 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.
Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 7625 300.00 TC 0.12 25.54 300.00 TC Case 1:

7625 BC 0.12

Wind

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

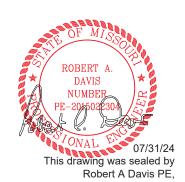
End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -542# MAX. Requires uplift connection. See Maximum Reactions.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

rens.comp.	Onlords	i Cilo.	Comp.
7586 - 7566	K - J	3209	- 3175
4879 - 4842	J - I	887	-854
3209 - 3175	I - H	24	-6
	7586 - 7566 4879 - 4842	7586 - 7566 K - J 4879 - 4842 J - I	7586 -7566 K - J 3209 4879 -4842 J - I 887

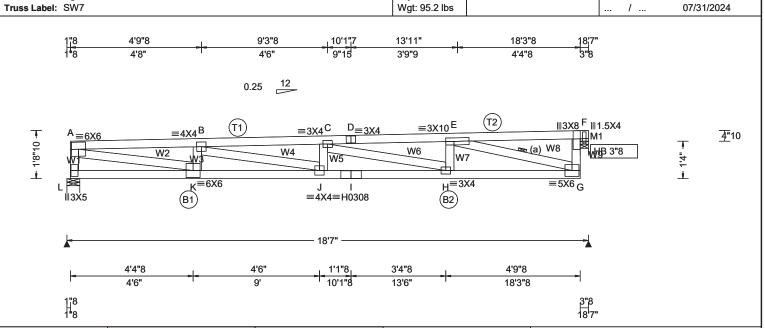
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
A - N	575 - 652	E-J	156	- 422
A - M	2649 - 2687	J-F	1638	- 1663
M - B	322 - 547	F-I	331	- 558
B-L	1644 - 1691	I - G	802	-832
L-C	160 -435	G-H	187	- 267
$^{\circ}$	751 776			

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Ply: 1

Qty: 2

SEQN: 81585 / T125 / MONO

DRW:

FROM:

Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria			
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#			
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.268 C 821 360			
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.489 C 449 240			
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.096 G			
Des Ld: 55.00	EXP: B		HORZ(TL): 0.109 G			
NCBCLL: 0.00	Mean Height: 44.55 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0			
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.654			
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.934			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMola0xalAMeeb CSI: 0.682			
	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:			
	GCpi: 0.18	Plate Type(s):				
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10			
Lumban						

▲ Maximum Reactions (lbs)								
	Gravity				No	on-Grav	/ity	
Loc	R+	/ R-	/ Rh	1	/Rw	/ U	/ RL	
L	1007	/-	/-	,	797	/121	/5537	
F	1017	/-	/-	1	682	/127	/-	
Wind	d reac	tions ba	ased or	n MWF	RS			
L	Brg W	/id = 5.	5 Mir	n Req	= 1.5	(Truss	s)	
F	Brg W	id = 3.9	5 Mir	n Reg	= 1.5	(Truss	s)	
	_	. & F ar				`	,	
Maximum Top Chord Forces Per Ply (lbs)								
Cho	rds T	ens.Co	mp.	Cho	rds	Tens.	Comp.	_
A - E	3	771 -2	2989	D - I	Ε	731	- 2837	
B C	•	072 4	2755		=	1///0	1//2	

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

John Knox Village Courts Roof level

Top chord 2x4 SP #2 Bot chord 2x4 SP #1 B2 2x4 SP #2; Webs 2x4 SP #3 W2 2x4 SP #2; Rt Bearing Leg: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

Loading

Truss transfers a maximum horizontal load of 5537 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 5537 300.00 TC 0.12 18.58 5537 BC 0.12

Wind

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.27" DL: 0.22". See detail DEFL CAMB1014 for camber recommendations Provide for adequate drainage of roof.

Additional Notes

Provide for complete drainage of roof.

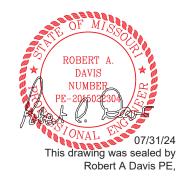
Truss must be installed as shown with top chord up.

B-C C-D 972 - 3755 1448 730 - 2838

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.	Chords	Tens. 0	Comp.			
L-K	5521 - 5488	I-H	3767	- 999			
K - J	4889 - 2620	H - G	2754	- 730			
J - I	3767 - 999						

Maximum Web Forces Per Ply (lbs)

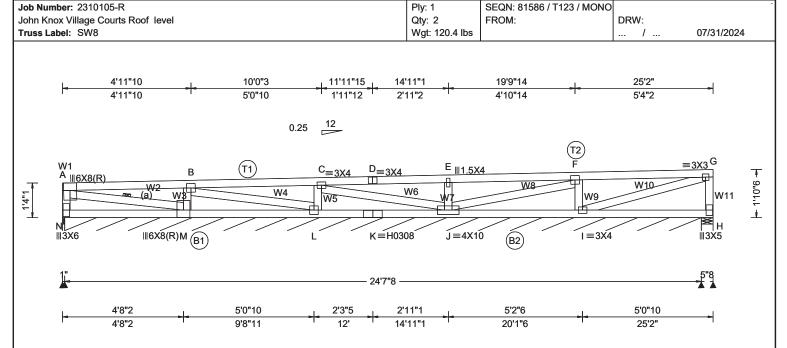
rens.Comp.	vvebs	rens. Comp.
271 - 951	C-H	849 - 1530
3020 - 776	H - E	542 - 142
234 - 647	E-G	767 - 2887
1635 - 1147	F-G	869 - 205
397 - 351		
	271 - 951 3020 - 776 234 - 647 1635 - 1147	271 -951 C-H 3020 -776 H-E 234 -647 E-G 1635 -1147 F-G



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.009 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.010 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.109 E
Des Ld: 55.00	EXP: B		HORZ(TL): 0.123 E
NCBCLL: 0.00	Mean Height: 44.62 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.618
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.987
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana alakeb CSI: 0.868
' '	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #1 B2 2x4 SP #2; Webs 2x4 SP #3

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 4X4 except as noted.

Loading

Truss transfers a maximum horizontal load of 7550 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record. Drag Loads: Force(#) (PLF) Mbr Start End 7550 300.00 TC Case 1: 0.00 25.17

7550 BC 0.00

Wind

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

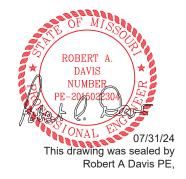
End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -645# MAX. Requires uplift connection. See Maximum Reactions.

++ Anchorage req'd to prevent truss from slipping off bearing.

Provide for complete drainage of roof. Truss must be installed as shown with top chord up.



▲ N	▲ Maximum Reactions (lbs), or *=PLF							
	G	avity		Non-Gravity				
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL		
N	201	/-	/-	/790	/645	/7550		
N*	95	/-	/-	/48	/12	/-		
Н	224	/-	/-	/306	/144	/-		
J		/-110						
Wind reactions based on MWFRS								

Brg Wid = 1.0 Min Req = 1.5 (Truss)

Brg Wid = 295 Min Req = -

Brg Wid = 5.5 Min Req = 1.5 (Truss) Bearings N, N, & H are a rigid surface.

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

A - B	2930 - 2910	D-E	1539	- 1548
B - C	2982 - 2972	E-F	803	- 809
C - D	2132 - 2143	F-G	836	-826

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens.	Comp.
N - M	7505 - 7487	K - J	3060	- 3027
M - L	4553 - 4520	J - I	875	-842
L-K	3060 - 3027	I - H	24	-6

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	l ens.	Comp.
A - N	674 - 746	E-J	156	- 421
A - M	2917 - 2956	J - F	1605	- 1631
M - B	279 - 497	F-I	322	- 549
B-L	1471 - 1516	I-G	792	- 821
L-C	163 - 441	G-H	184	- 264
C - J	643 - 668			

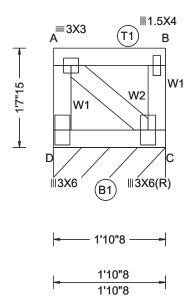
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

Job Number: 2310105-R Ply: 1 SEQN: 81587 / T135 / FLAT John Knox Village Courts Roof level Qty: 13 FROM: DRW: Wgt: 14.0 lbs Truss Label: SW9 / ... 07/31/2024



Loading	Criteria (psf)	Wi
TCLL:	30.00	Wi
TCDL:	15.00	Sp
BCLL:	0.00	En
BCDL:	10.00	Ris
Des Ld:	55.00	EX
		Me
NCBCLL:		TC
Soffit:	2.00	ВС
Load Dura	ation: 1.25	М١
Spacing: 2	24.0 "	C8
		ہ ا

ind Criteria ind Std: ASCE 7-16 peed: 109 mph nclosure: Closed sk Category: II KP: B ean Height: 44.68 ft CDL: 5.0 psf CDL: 4.0 psf WFRS Parallel Dist: h/2 to h &C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE

Defl/CSI Criteria

PP Deflection in loc L/defl L/# VERT(LL): 0.001 A 999 360 VERT(TL): 0.001 A 999 240 HORZ(LL): -0.005 B HORZ(TL): 0.005 B Creep Factor: 2.0 Max TC CSI: 0.075 Max BC CSI: 0.019 LMana Andreb CSI: 0.206 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

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

R+ / R /Rw /U / RL Loc C* /-110 /51 /13 /-D /-373 С /-373

Wind reactions based on MWFRS Brg Wid = 22.5 Min Req = -Bearing D is a rigid surface.

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

A - B 560 - 561

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

D-C 561 - 560

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2

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

Truss transfers a maximum horizontal load of 562 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record. Drag Loads: Force(#) (PLF) Mbr Start End Case 1: 562 300.00 TC 300.00 BC 0.00 562 0.00 1.88

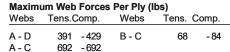
Wind

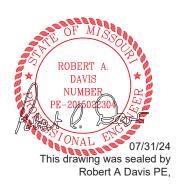
Wind loads based on MWFRS with additional C&C member design

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

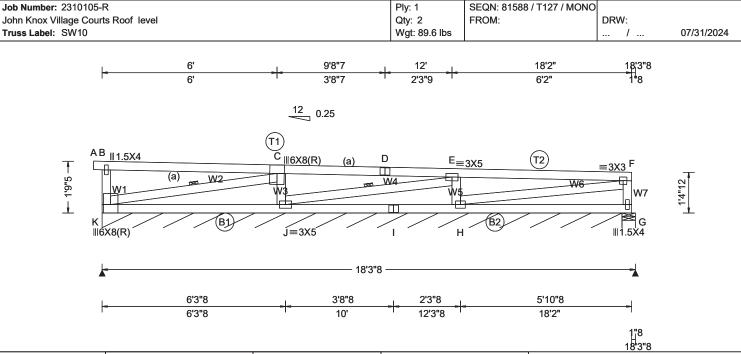




WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Coading Criteria (psf)	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.61 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s):	Mfg Specified Camber:
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Loading

Truss transfers a maximum horizontal load of 5538 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.
Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 5538 300.00 TC 0.00 18.46 300.00 TC Case 1:

5538

BC 0.29

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

▲ Maximum Reactions (lbs), or *=PLF

	G	ravity	-	Non-Gravity			
Loc	: R+	/ R-	/ Rh	/Rw	/ U	/ RL	
K*	99	/-	/-	/46	/12	/311	
G	261	/-	/-	/256	/64	/-	
K		/-594					
J		/-206					
Wind reactions based on MWFRS							
K	Brg V	Vid = 21	4 Min F	Req = -			
G	Bra V	Vid = 5.5	5 Min F	Rea = 1.5	(Trus	s)	

Bearings K & G are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Onlords	rens.comp.	Onlords	rens. comp.
 А - В	87 -88	D-E	416 -409
B - C	1857 - 1889	E-F	1095 - 1073
C - D	1394 - 1382		

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
K-J	2448 - 2403	I - H	864	- 824	
J - I	864 - 824	H - G	51	- 18	

Maximum Web Forces Per Ply (lbs)

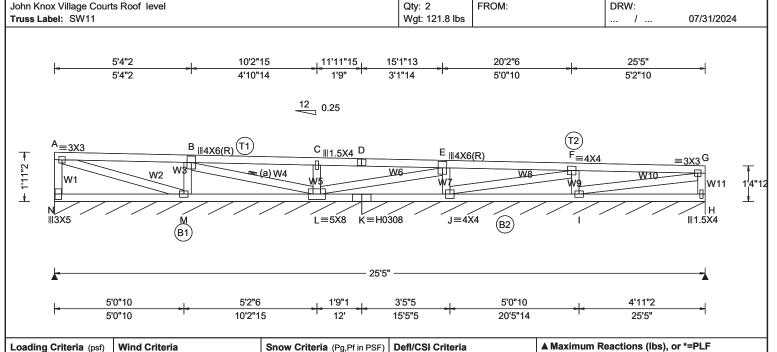
Webs	Tens.Comp.	Webs	Tens. (Comp.
B - K	127 - 253	E-H	295	- 587
K - C	3167 - 3183	H - F	745	- 801
C - J	659 - 920	F-G	113	-211
J.F	1425 - 1476			



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Ply: 1

SEQN: 81589 / T130 / MONO

Loading Criteria (psf) Wind Criteria		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria				
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#				
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.002 E 999 360				
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.003 E 999 240				
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.029 C				
Des Ld: 55.00	EXP: B		HORZ(TL): 0.033 C				
NCBCLL: 0.00	Mean Height: 44.68 ft	Code / Misc Criteria	Creep Factor: 2.0				
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.479				
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.334				
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana Aleb CSI: 0.980				
	Loc. from endwall: not in 28.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:				
	GCpi: 0.18	Plate Type(s):					
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.04A.0207.10				
Lumber							

Non-Gravity Gravity R+ /R /Rw /U Loc N³ 119 /80 /14 /635 K* 102 /81 /13 /-Ν /-229 Н /-134 Wind reactions based on MWFRS Ν Brg Wid = 144 Min Req = -

Brg Wid = 161 Min Req = -Bearings N & K are a rigid surface. Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. D-E 1475 - 1486 A - B 1032 - 1019 B - C 1459 - 1466 E-F 1014 - 1009 529 - 537 F-G C-D 874 -859

Chords

Tens. Comp.

Maximum Bot Chord Forces Per Ply (lbs)

Lumber

Value Set: NDS 2015

Job Number: 2310105-R

Top chord 2x4 SP 2400f-2.0E T2 2x4 SP #2; Bot chord 2x4 SP 2400f-2.0E Webs 2x4 SP #3

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Loading

Truss transfers a maximum horizontal load of 7625 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record. Drag Loads: Force(#) (PLF) Mbr Start End 7625 Case 1: 300.00 TC 0.00 25.42

7625

BC 12.00

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

N - M 17 2711 -2677 K-J M - L 1149 - 1117 J = I990 -954 L-K 4948 - 4914 I - H 29 -8 Maximum Web Forces Per Ply (lbs) Tens Comp

Chords Tens.Comp.

VVCD3	rens.comp. webs		16113.	Comp.	
A - N	269 - 351	E-J	461	- 652	
A - M	1062 - 1086	J-F	1633	- 1677	
M - B	455 - 681	F-I	343	- 568	
B - L	2012 - 2036	I - G	865	- 900	
L-C	158 - 428	G-H	173	- 251	
L-E	1919 - 1944				

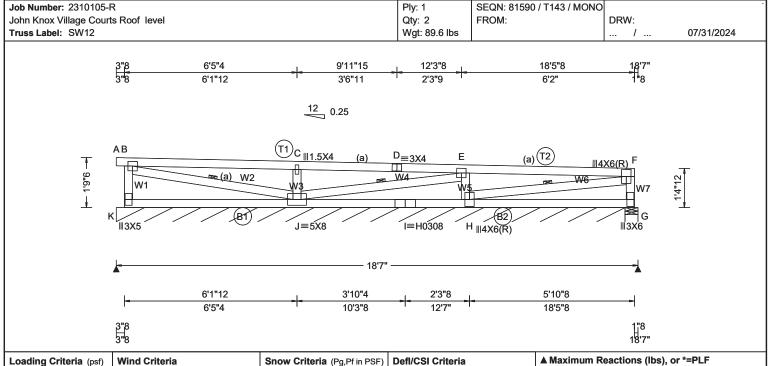


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): -0.016 A 0 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): -0.030 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.044 C
Des Ld: 55.00	EXP: B		HORZ(TL): 0.050 C
NCBCLL: 0.00	Mean Height: 44.61 ft	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.663
Load Duration: 1.25	BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.754
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana Andreb CSI: 0.583
opaoing. 2 1.0	Loc. from endwall: not in 57.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	· .
	Wind Duration: 1 60	WAVE HS	VIFW Ver: 23 02 04A 0207 10

		▲ Maximum Reactions (lbs), or *: Gravity					
/defl L	./#	١.		Gravity		•	
0 36	60	Loc	: R+	/ R-	/ Rh	/ Rw	
999 2	240		97	/-	/-	/51	
-	-	G	265	/-	/-	/508	
_	-	K		/-275	5		
Wind reactions based on MWFF					n MWFRS		
		K	Brg	Wid = 2	217 Mi	n Req = -	
		G	Brg	Wid = 5	5.5 Mi	n Req = 1.	
		Bea	arings	K & G	are a riç	gid surface	
		Ma	ximu	m Top	Chord F	orces Per	
•		Ch	ords	Tens.C	omp.	Chords	
0207.1	0	Α-	В	87	-88	D-E	
			\sim	4047	4000		

C-D

G Brg Wid = 5.5 Min Req = 1.5 (Truss)							
Bearings K & G are a rigid surface.							
Maximum Top Chord Forces Per Ply (lbs)							
Chords Tens.Comp.		Chords	Tens.	Comp.			
A - B	87	- 88	D-E	1941	- 1958		
D 0	4047	4000		4000	4000		

Non-Gravity

/12

/314 /-

/306

/Rw /U

Value Set: NDS 2015
Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Bracing

Lumber

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 4X4 except as noted.

Loading

Truss transfers a maximum horizontal load of 5538 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.
Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 5538 300.00 TC 0.00 18.46 300.00 TC Case 1:

5538

BC 10.29

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -314# MAX. Requires uplift connection. See Maximum Reactions.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

1252 - 1267

Chords	rens.Comp.		Chords	rens.	Comp.
K - J J - I	39 3503 -		I - H H - G		- 2035 - 14

Maximum Web Forces Per Ply (lbs)

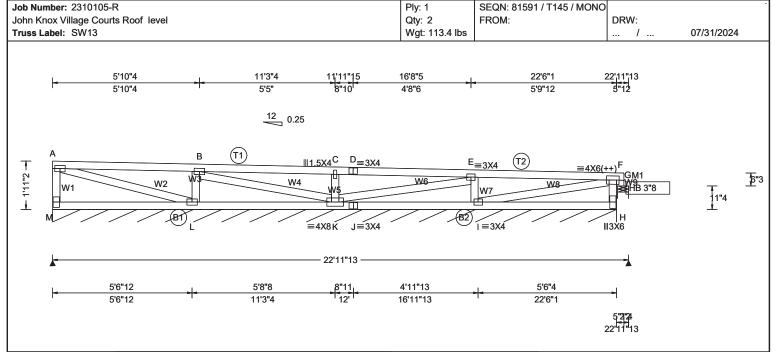
webs	rens.comp.	vvens	rens. Comp.
B - K B - J J - C J - E	327 - 439 1775 - 1790 238 - 582 1762 - 1795	E-H H-F F-G	285 - 587 1959 - 2010 362 - 456



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	l
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.003 B 999 360	l
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.004 B 999 240	l
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.016 M	l
Des Ld: 55.00	EXP: B		HORZ(TL): 0.017 M	l
NCBCLL: 0.00	Mean Height: 44.71 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0	l
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.602	l
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.412	l
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana a Alaka b CSI: 0.959	l
. •	Loc. from endwall: not in 28.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:	l
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2

Webs 2x4 SP #3 Rt Bearing Leg: 2x4 SP #3;

Plating Notes

All plates are 3X5 except as noted.

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

Truss transfers a maximum horizontal load of 3599 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record. Drag Loads: Force(#) (PLF) Mbr Start End

Case 1: 3599 300.0Ó TC BC 0.00 12.00 3600 300.00 0.00 12.00

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -678# MAX. Requires uplift connection. See Maximum Reactions.

Truss must be installed as shown with top chord up.

Wind reactions based on MWFRS Brg Wid = 270 Min Req = -

▲ Maximum Reactions (lbs), or *=PLF

Gravity R+ /R

/-678

/-306

Loc M* 141

G

Non-Gravity

/ RL

/1

/U

/21

/229 /-

/Rw

/61

/164

Brg Wid = 5.2 Min Req = 1.5 (Support) Bearings M & G are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

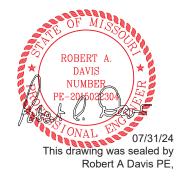
Chords Tens.Comp. Chords Tens. Comp 855 A - B 1455 - 1441 D-E - 865 B - C 979 - 986 E-F 218 -200 C-D 855 - 863

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. (Comp.
M - L	1672 - 1652	J - I	261	- 227
L-K	1890 - 1855	I - H	61	- 18
K - J	263 - 228			

Maximum Web Forces Per Ply (lbs)

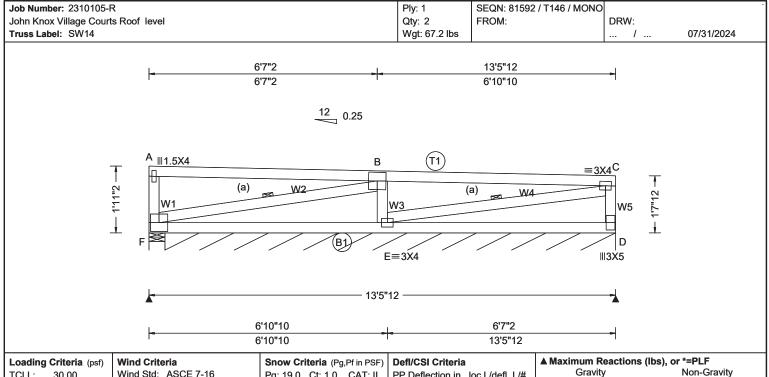
Webs	Tens.Comp.	Webs	Tens. Comp.
A - M	350 -438	K-E	619 - 644
A - L	1485 - 1519	E-I	204 - 537
L-B	219 - 567	I-F	184 - 227
B - K	1264 - 1291	G-H	359 - 927
K-C	173 - 452	F-G	509 - 990



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Loading	Criteria	(psf)
TCLL:	30.00	
TCDL:	15.00	
BCLL:	0.00	
BCDL:	10.00	
Des Ld:	55.00	
NCBCLL:	0.00	
Soffit:	2.00	
Load Dura	ation: 1.2	25
Spacing:	24.0 "	

Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.81 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 28.50 ft GCpi: 0.18 Wind Duration: 1.60

Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by 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(TL): 0.002 B 999 240 HORZ(LL): 0.039 A HORZ(TL): 0.044 A Creep Factor: 2.0 Max TC CSI: 0.927 Max BC CSI: 0.433 LMa0xalAskeb CSI: 0.810 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

Wind reactions based on MWFRS Brg Wid = 5.5 Min Req = 1.5 (Truss) Brg Wid = 156 Min Req = -Bearings F & F are a rigid surface. Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1951 - 1983

/Rw

/718

/86

/U

/500

/20 /-

/4044

1241 - 1233

R+ /R

300 /-

/-176

D* 91

D

Value Set: NDS 2015 Top chord 2x4 SP #2

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

Lumber

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 6X6 except as noted.

Loading

Truss transfers a maximum horizontal load of 4044 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record. Drag Loads: Force(#) (PLF) Mbr Start End Case 1: 4044 300.00 TC 0.00 13.48

4044

BC 0.00

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -500# MAX. Requires uplift connection. See Maximum Reactions.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

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

F-E 1390 - 1339 E-D 50 - 16

B-C

Maximum Web Forces Per Ply (lbs) Tens.Comp. Webs Tens. Comp A - F 103 - 230 E-C 1234 - 1279 F-B 2723 - 2747 C-D 228 - 329 B-E 514 - 841



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

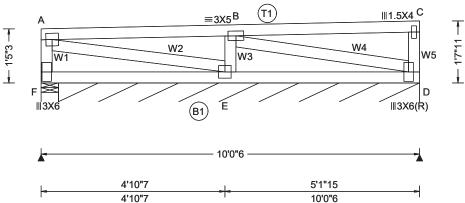
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Job Number: 2310105-R Ply: 1 SEQN: 81593 / T138 / MONO John Knox Village Courts Roof level Qty: 2 FROM: DRW: Truss Label: SW15 Wgt: 53.2 lbs / ... 07/31/2024





	_	7 10 7	3113		
	Γ	4'10"7	10'0"6	7	
Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.004 B 999 360		* =PLF Non-Gravity v /U /RL
BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00	Enclosure: Closed Risk Category: II EXP: B	Lu: - Cs: 1.00 Snow Duration: 1.15	VERT(TL): 0.005 B 999 240 HORZ(LL): 0.046 C HORZ(TL): 0.052 C	F 206 /- /- /48: D* 94 /- /- /71 D /-253	7 /338 /3009 /11 /-
NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Mean Height: 44.56 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2	Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by	Creep Factor: 2.0 Max TC CSI: 0.520 Max BC CSI: 0.659	Wind reactions based on MWFRS F Brg Wid = 5.5 Min Req = D Brg Wid = 114 Min Req = Bearings F & F are a rigid surface	1.5 (Truss)
Spacing. 24.0	C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10	Maximum Top Chord Forces Per Chords Chords Tens.Comp. Chords A - B 1624 - 1611 B - C	• • •

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Plating Notes

All plates are 4X4 except as noted.

Loading

Truss transfers a maximum horizontal load of 3009 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.
Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 3009 300.00 TC 0.00 10.03 3009 BC 0.00

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Negative reaction(s) of -338# MAX. Requires uplift connection. See Maximum Reactions.

Provide for complete drainage of roof.

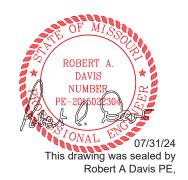
Truss must be installed as shown with top chord up.

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

2995 - 2978 E-D 1329 - 1289

Maximum Web Forces Per Ply (lbs)

vvens	rens.comp.	vvens	rens. Comp.
A - F	373 -447	B - D	1331 - 1357
A - E	1621 - 1654	C - D	110 - 168
E-B	355 - 548		



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

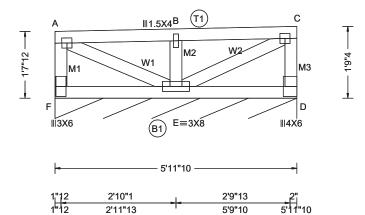
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

Job Number: 2310105-R Ply: 1 SEQN: 81594 / T93 / GABL John Knox Village Courts Roof level Qty: 2 FROM: DRW: Wgt: 33.6 lbs Truss Label: SW16 / ... 07/31/2024



0.25



Loading Criteria (psf) TCLL: 30.00 TCDL: 15.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 44.73 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Lu: - Cs: 1.00 Snow Duration: 1.15 Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defi/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): -0.001 C 999 360 VERT(TL): -0.001 C 999 240 HORZ(LL): -0.017 B HORZ(TL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.179 Max BC CSI: 0.334 LM-32:AMeb CSI: 0.297 Mfg Specified Camber: VIEW Ver: 23.02.04A.0207.10
Lumber		Additional Notes	

Additional Notes

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2

Webs 2x4 SP #3

Plating Notes

All plates are 3X3 except as noted.

Loading

Truss transfers a maximum horizontal load of 1790 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.

orag Lo	aus:	Force(#)) (PLF)	IVIDE	Start	⊨na
Case	1:	1790	300.00	TC	0.00	5.97
		1790		BC	5.97	
Case	2:		300.00	TC	0.00	5.97
		1790		BC	5.97	
Case	3:		300.00	TC	0.00	5.97
		1790		BC	5.97	
Case	4:		300.00	TC	0.00	5.97
		1790		BC	5.97	

Drag loads applied to wind load cases parallel to truss.

Wind

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

End verticals not exposed to wind pressure.

See DWG GBLLETIN1014 for gable wind bracing requirements.

Provide for complete drainage of roof.

Truss must be installed as shown with top chord up.

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

R+ /Rw /U / RL Loc D' 110 /-/51 /15 /300 F /-438 D /-428

Wind reactions based on MWFRS D Brg Wid = 71.6 Min Req = -Bearing F is a rigid surface

Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. A - B 909 - 911 B - C 883 -883

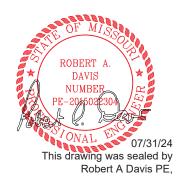
Maximum Bot Chord Forces Per Ply (lbs) Chords Tens. Comp. Chords Tens.Comp. F-E F-D 1787 - 1783

Maximum Web Forces Per Ply (lbs)

Tens. Comp. Webs Tens.Comp. Webs A - E 998 - 996 E-C 979 - 980

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.Comp.	Gables	Tens. Comp.
A-F B-E	448 -443 256 -327	C-D	437 -430



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

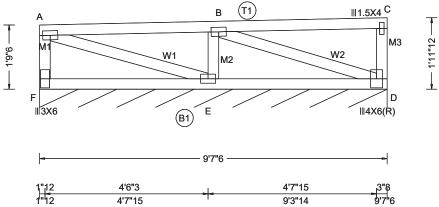
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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Job Number: 2310105-R Ply: 1 SEQN: 81595 / T142 / GABL John Knox Village Courts Roof level Qty: 2 FROM: DRW: Truss Label: SW17 Wgt: 50.4 lbs / ... 07/31/2024



0.25



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.002 B 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.002 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): -0.017 C
Des Ld: 55.00	EXP: B		HORZ(TL): 0.018 C
NCBCLL: 0.00	Mean Height: 44.90 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.475
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.129
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana a a a a a a a a a a a a a a a a a a
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10

▲ Maximum Reactions (lbs), or *=PLF Non-Gravity Gravity R+ / R /Rw /U / RL Loc D* 110 /-/51 /13 /1 F /-393 D /-404 Wind reactions based on MWFRS D Brg Wid = 115 Min Req = -Bearing F is a rigid surface. Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

A - B 1376 - 1369 B - C 1388 - 1401 Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp. F-E 1398 - 1386 1435 - 1403 F-D

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - E 1423 - 1445 B - D 1482 - 1505

Maximum Gable Forces Per Ply (lbs)						
Gables	Tens.C	Comp.	Gables	Tens. (Comp.	
A-F	429	- 501	C - D	107	- 161	

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Plating Notes

All plates are 3X5 except as noted.

Loading

Truss transfers a maximum horizontal load of 2884 # (300.00 plf) along top chord, from either direction, to supports where indicated. Diaphragm and connections are to be designed by Engineer of Record.
Drag Loads: Force(#) (PLF) Mbr Start End
Case 1: 2884 300.00 TC 0.00 9.61 300.00 BC 2884 0.00 9 61

Wind

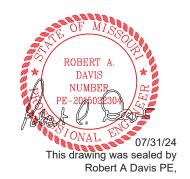
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Additional Notes

See DWG GBLLETIN1014 for gable wind bracing requirements.

Truss must be installed as shown with top chord up.



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Job Number: 2310105-R Ply: 1 SEQN: 81574 / T54 / MONO John Knox Village Courts Roof level DRW: Qty: 1 FROM: Truss Label: UR1 Wgt: 58.8 lbs / ... 07/31/2024 5'1"11 7'9"13 2'5"8 10'11"4 2'8"3 2'5"8 2'8"3 3'1"7 =3X4 **∥1,5X4** =4X6(±+) (T1 $B \equiv 3X4$ W3 W2 W3 1√HB 3"8 W. (B1) **∥1.5X4** ≡3X4 $\equiv 3X4$

2'11"11 2'9"15 10'11"4

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.019 E 999 360
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.038 E 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.004 C
Des Ld: 55.00	EXP: B		HORZ(TL): 0.008 C
NCBCLL: 0.00	Mean Height: 50.92 ft TCDL: 5.0 psf	Code / Misc Criteria	Creep Factor: 2.0
Soffit: 2.00	BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.246
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.323
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Varies by	LMana a Alakeb CSI: 0.342
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	GCpi: 0.18	Plate Type(s):	
Wind Duration: 1.60		WAVE	VIEW Ver: 23.02.04A.0207.10
Lumber		1	

▲ M	▲ Maximum Reactions (lbs)						
Gravity Non-Gravity						vity	
Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL	
к	846	/-	/-	/-	/229	/-	
G	404	/-	/-	/-	/173	/-	
Win	d rea	ctions ba	ased or	n MWFRS			
K	Brg '	Wid = 5.	5 Mir	n Req = 1.	5 (Truss	s)	
G	Brg '	Wid = 3.	0 Mii	n Req = 1.	5 (Supp	ort)	
Bea	rings	K&Ga	re a rig	id surface.			
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds	Tens.Co	mp.	Chords	Tens.	Comp.	
A - E	 3	0	0	D-E	345	- 843	
B - (_	330	- 11	E-E	350	- 8/13	

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Rt Bearing Leg: 2x4 SP #3;

Special Loads

(Lumbe	r Dur.Fac.=1.	25 / Plate [Dur.Fac.=1.	25)
TC: From	90 plf at	-0.67 to	90 plf at	4.60
TC: From	45 plf at	4.60 to	45 plf at	11.23
BC: From	4 plf at	-0.67 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	4.60
BC: From	10 plf at	4.60 to	10 plf at	10.94
BC: 22 II	Conc. Load	at 4.60, 9.	.17	
BC: 83 II	Conc. Load	at 4.89, 6.	89, 8.88	

Plating Notes

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

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

Truss must be installed as shown with top chord up.



Maximum Bot Chord Forces Per Ply (lbs)

345 -843

C-D

Chords	Tens.Comp.		Chords	Tens. (Comp.
L-K	1	-1	J - I	876	- 366
K - J	47	- 224	I - H	70	- 29

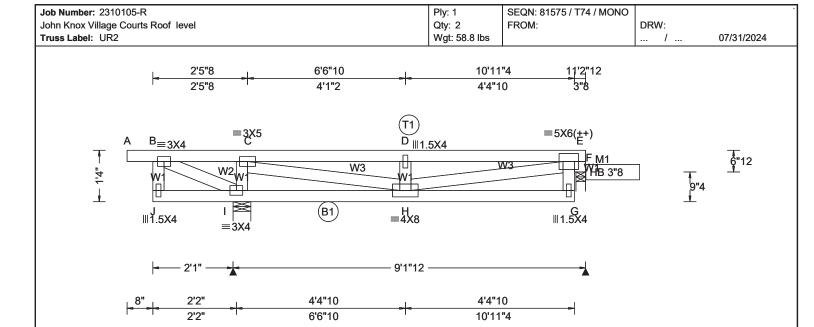
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. (Comp.
B-L	14	0	J-E	22	- 151
B - K	48	- 376	E-I	25	- 182
K-C	207	-626	I-F	824	- 352
C - J	897	- 357	G - H	38	- 31
D - J	29	- 166	F-G	232	- 509

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				<u>11'2"12</u>
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 30.00	Wind Std: ASCE 7-16	Pg: 19.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 15.00	Speed: 109 mph	Pf: 15.0(specified) Ce: 1.0	VERT(LL): 0.034 D 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 0.066 D 999 240	I 838 /- /- /416 /159 /-
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.004 C	F 481 /- /- /211 /63 /-
Des Ld: 55.00	EXP: B		HORZ(TL): 0.009 C	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 50.92 ft	Code / Misc Criteria	Creep Factor: 2.0	I Brg Wid = 5.5 Min Req = 1.5 (Truss)
Soffit: 2.00	TCDL: 5.0 psf BCDL: 4.0 psf	Bldg Code: IBC 2018	Max TC CSI: 0.307	F Brg Wid = 3.0 Min Req = 1.5 (Support)
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.144	Bearings I & F are a rigid surface.
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Factors Used: Yes	Max Web CSI: 0.409	Maximum Top Chord Forces Per Ply (lbs)
- 3	Loc. from endwall: Anv	FT/RT:20(0)/10(0)	Mfg Specified Camber:	Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	Plate Type(s):		A-B 0 0 C-D 449 -1064
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04A.0207.10	B-C 324 -171 D-E 449 -1064

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 Rt Bearing Leg: 2x4 SP #3;

Plating Notes

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

Wind

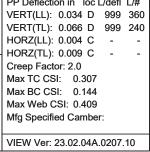
Wind loads based on MWFRS with additional C&C member design.

End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

Additional Notes

Truss must be installed as shown with top chord up.



3"8

Chords	rens.comp.		Chords	rens. Comp.		
A - B B - C	0	0	C - D	449	- 1064	
B - C	324 -	- 171	D-E	449	- 1064	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. C	Comp.
J - I I - H	-	-3 -231	H-G	148	- 77

Maximum Web Forces Per Ply (lbs)

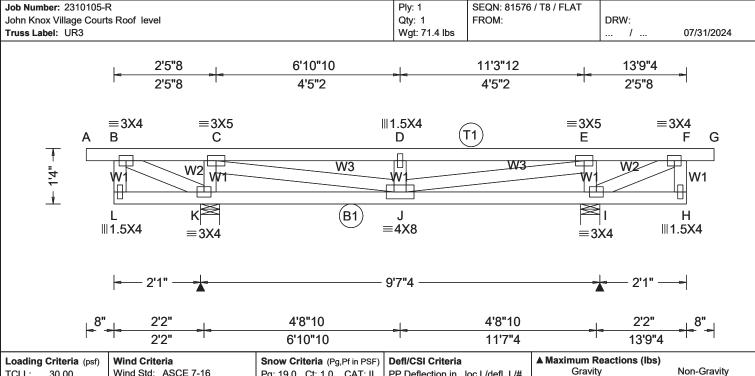
Webs	Tens.Comp.		Webs	Tens. (Comp.
B-J	34	- 15	D - H	259	- 393
B-I	189	- 359	H-E	941	- 383
I-C	349	- 627	F-G	49	0
C - H	1075	- 492	E-F	469	- 816



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Loading	Criteria (p	sf)		
TCLL:	30.00			
TCDL:	15.00			
BCLL:	0.00			
BCDL:	10.00			
Des Ld:	55.00			
NCBCLL:	0.00			
Soffit:	2.00			
Load Duration: 1.25				
Spacing:	24.0 "			

Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 50.92 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18

Wind Duration: 1.60

Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.036 D 999 360 VERT(TL): 0.070 D 999 240 HORZ(LL): 0.005 C HORZ(TL): 0.009 C Creep Factor: 2.0 Max TC CSI: 0.333 Max BC CSI: 0.281 LMana Andreb CSI: 0.419 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

K Brg Wid = 5.5 Min Req = 1.5 (Truss) I Brg Wid = 5.5 Min Req = 1.5 (Truss)			_								
I 863	Loc R+		/ R-	/ R- / Rh		/ U	/ RL				
Wind reactions based on MWFRS K Brg Wid = 5.5 Min Req = 1.5 (Truss) I Brg Wid = 5.5 Min Req = 1.5 (Truss)		K	865	/-	/-	/-	/233	/-			
		ı	863	/-	/-	/-	/234	/-			
I Brg Wid = 5.5 Min Req = 1.5 (Truss)		Wind reactions based on MWFRS									
		K	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Truss	s)			
Bearings K & I are a rigid surface.		1	Brg V	Vid = 5.	5 Min F	Req = 1.5	(Truss	s)			

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 0 D-E 441 - 1010 B-C 278 E-F 279 - 1 - 1 C-D 441 - 1010 F-G 0 0

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate D	Our.Fac.=1.2	25)
TC: From	90 plf at	-0.67 to	90 plf at	4.60
TC: From	45 plf at	4.60 to	45 plf at	9.25
TC: From	90 plf at	9.25 to	90 plf at	14.44
BC: From	4 plf at	-0.67 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	4.60
BC: From	10 plf at	4.60 to	10 plf at	9.25
BC: From	20 plf at	9.25 to	20 plf at	13.77
BC: From	4 plf at	13.77 to	4 plf at	14.44
BC: 22 lb	Conc. Load	at 4.60, 9.	25	
BC: 83 lb	Conc Load	at 4 89 6	88 8 88	

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure. Left and right cantilevers are exposed to wind

Additional Notes

Truss must be installed as shown with top chord up.

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

2 -4 A = 1128 - 175 K-J 131 - 174 I - H

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Tens.Comp.		Tens. (Tens. Comp.		
B-L	29	- 23	J - E	1099	-403		
B - K	0	- 307	E-I	186	-616		
K - C	187	-619	I-F	0	- 308		
C - J	1097	-403	F-H	29	- 23		
D-J	44	- 291					

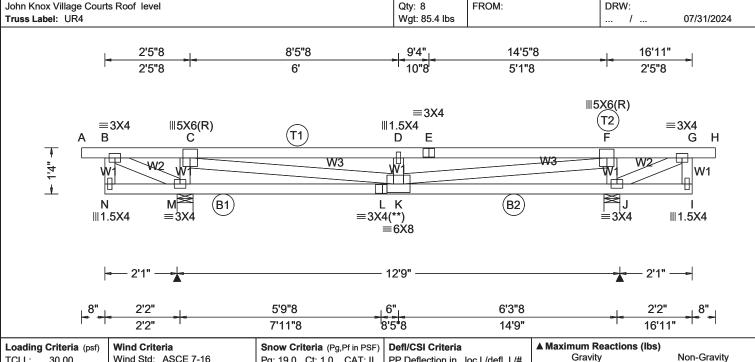


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Ply: 1

SEQN: 81602 / T92 / FLAT

Wind Std: ASCE 7-16 TCLL: 30.00 Pg: 19.0 Ct: 1.0 CAT: II PP Deflection in loc L/defl L/# Speed: 109 mph TCDL: 15.00 Pf: 15.0(specified) Ce: 1.0 VERT(LL): 0.133 D 999 360 Enclosure: Closed BCLL: 0.00 Cs: 1.00 VERT(TL): 0.249 D 607 240 Risk Category: II BCDL: 10.00 Snow Duration: 1.15 HORZ(LL): 0.014 B EXP: B HORZ(TL): 0.027 B Des Ld: 55.00 Mean Height: 50.92 ft Code / Misc Criteria Creep Factor: 2.0 NCBCLL: 0.00 TCDL: 5.0 psf Max TC CSI: 0.542 Bldg Code: IBC 2018 Soffit: 2.00 BCDL: 4.0 psf TPI Std: 2014 Max BC CSI: 0.617 Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 Spacing: 24.0 " Rep Factors Used: Varies by LMana Andreb CSI: 0.758 C&C Dist a: 3.00 ft FT/RT:20(0)/10(0) Mfg Specified Camber: Loc. from endwall: not in 65.00 ft GCpi: 0.18 Plate Type(s): Wind Duration: 1.60 WAVE VIEW Ver: 23.02.04A.0207.10

Additional Notes

Truss must be installed as shown with top chord up.

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2

Job Number: 2310105-R

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

Special Loads

(Lumber	Dur.Fac.=1.	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	90 plf at	-0.67 to	90 plf at	4.76
TC: From	45 plf at	4.76 to	45 plf at	12.15
TC: From	90 plf at	12.15 to	90 plf at	17.58
BC: From	4 plf at	-0.67 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	4.76
BC: From	10 plf at	4.76 to	10 plf at	12.15
BC: From	20 plf at	12.15 to	20 plf at	16.92
BC: From	4 plf at	16.92 to	4 plf at	17.58
BC: 158 lb	Conc. Load	at 4.76,12	15	
BC: 83 lb	Conc. Load	at 6.82, 8.	46,10.10	

Plating Notes

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

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure. Left and right cantilevers are exposed to wind

ROBERT A DAVIS NUMBE ONAL 07/31/24 This drawing was sealed by Robert A Davis PE,

Bearings M & J are a rigid surface Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Brg Wid = 5.5 Min Req = 1.5 (Truss)

Brg Wid = 5.5 Min Req = 1.5 (Truss)

/_

Wind reactions based on MWFRS

R+ / R-

М

1091 /-

1091 /-

A - B 0 0 E-F 664 - 2145 B-C 166 - 191 F-G 166 - 191 C - D 664 - 2145 G-H 0 0 664 - 2145

/Rw /U

> /264 /-

/264

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Chords	rens. (Jonip.
N - M	3	-9	K-J	379	- 103
M - L	378	- 103	J - I	3	-9
L-K	378	- 103			

Maximum Web Forces Per Ply (lbs)

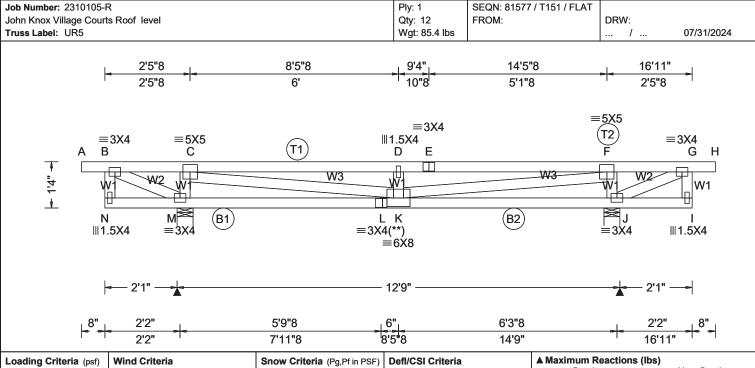
Webs	Tens.Comp.		Webs	Tens. Comp.		
B - N	44	- 82	K-F	1989	- 569	
B - M	222	- 182	F-J	213	- 804	
M - C	213	- 804	J - G	223	- 182	
C - K	1990	- 569	G-I	44	- 82	
D-K	60	- 393				

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Loading	Criteria (psf)
TCLL:	30.00
TCDL:	15.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00
Load Dur	ation: 1.25
Spacing:	24.0 "

Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 50.92 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 65.00 ft GCpi: 0.18

Wind Duration: 1.60

Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.123 D 999 360 VERT(TL): 0.231 D 652 240 HORZ(LL): 0.012 B HORZ(TL): 0.024 B Creep Factor: 2.0 Max TC CSI: 0.645 Max BC CSI: 0.329 Max Web CSI: 0.713 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

		G	ravity	INC	Non-Gravity			
	Loc	: R+	/ R-	/ Rh	/Rw	/ U	/ RL	
	М	1012	/-	/-	/489	/178	/-	
	J	1012	/-	/-	/489	/178	/-	
	Wir	nd reac	tions b	ased on M	IWFRS			
	М	Brg W	/id = 5	.5 Min F	Req = 1.5	(Truss	s)	
	J	Brg W	/id = 5	.5 Min F	Req = 1.5	(Truss	s)	
Bearings M & J are a rigid surface.								
		•	T	No		DI - 711-		

Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 0 0 E-F 528 - 1973 A - B B-C 249 - 124 F-G 249 - 124 C - D 528 - 1973 G-H 0 0

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Plating Notes

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

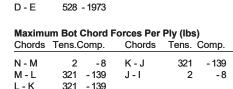
Wind loads based on MWFRS with additional C&C

End verticals not exposed to wind pressure.

Left and right cantilevers are exposed to wind

Additional Notes

Truss must be installed as shown with top chord up.



Maximum Web Forces Per Ply (lbs)

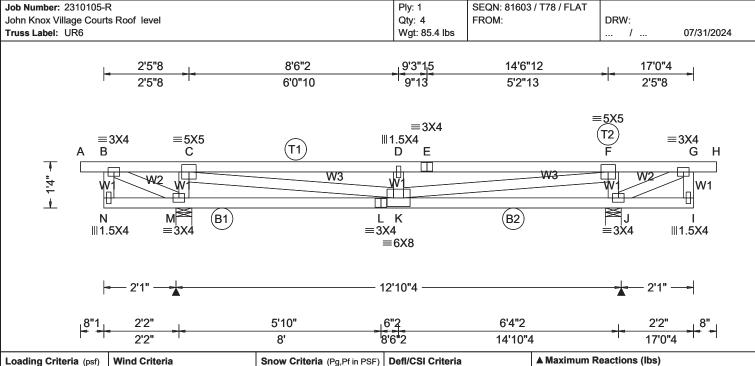
Webs	Tens.Comp.		Webs	Comp.	
B-N	18	- 31	K-F	1873	- 504
B - M	146	- 274	F-J	304	-839
M - C	303	- 839	J - G	146	-273
C - K	1873	- 497	G-I	18	- 31
D - K	238	- 525			



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Loading	Criteria	(psf)
TCLL:	30.00	
TCDL:	15.00	
BCLL:	0.00	
BCDL:	10.00	
Des Ld:	55.00	
NCBCLL:	0.00	
Soffit:	2.00	
Load Dura	ation: 1.2	25
Spacing:	24.0 "	

Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 50.92 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any

GCpi: 0.18

Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF) Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Varies by FT/RT:20(0)/10(0) Plate Type(s): WAVE

Dell/Col C	iteria			
PP Deflecti	on in l	oc l	_/defl	L/#
VERT(LL):	0.117	D	999	360
VERT(TL):	0.219	D	693	240
HORZ(LL):	0.012	В	-	-
HORZ(TL):	0.024	В	-	-
Creep Fact	or: 2.0			
Max TC CS	i: 0.5	582		
Max BC CS	SI: 0.6	601		
LMa0xalAskeb C	SI: 0.6	376		
Mfg Specifi	ed Can	nbei	-:	

VIEW Ver: 23 02 04A 0207 10

'ONAL

This drawing was sealed by

Robert A Davis PE,

Gravity				INC	Non-Gravity			
Loc	: R+	/ R-	/ Rh	/Rw	/ U	/ RL		
М	1028	/-	/-	/-	/135	/-		
J	987	/-	/-	/-	/95	/-		
Wii	nd reac	tions b	ased on N	/IWFRS				
М	Brg W	/id = 5.	5 Min F	Req = 1.5	(Truss	s)		
J	Brg W	/id = 5.	5 Min F	Req = 1.5	(Truss	s)		
Bearings M & J are a rigid surface.								
84-	Mandager Tan Ob and Fance a Ban Blackhan							

Maximum Top Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.		Chords	Tens. Comp.			
A - B	0	0	E-F	87	- 1853		
B - C	165 -	- 175	F-G	215	- 117		
C - D	87 -	1853	G-H	0	0		
D-E	87 -	1853					

Chords

J - I

Tens. Comp.

Tens. Comp.

1775

124

138

0

-93

-8

- 123

-774

-235

-43

296

0

Maximum Bot Chord Forces Per Ply (lbs)

-63

- 63

Chords Tens.Comp.

351

351

N - M

M - L

L-K

Lumber

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)						
TC: From	90 plf at	-0.67 to	90 plf at	5.09		
TC: From	45 plf at	5.09 to	45 plf at	11.88		
TC: From	90 plf at	11.88 to	90 plf at	17.69		
BC: From	4 plf at	-0.67 to	4 plf at	0.00		
BC: From	20 plf at	0.00 to	20 plf at	5.09		
BC: From	10 plf at	5.09 to	10 plf at	11.88		
BC: From	20 plf at	11.88 to	20 plf at	17.02		
BC: From	4 plf at	17.02 to	4 plf at	17.69		
BC: 132 lb	Conc. Load	at 5.09				
BC: 55 lb Conc. Load at 6.64, 8.51,10.39,11.88						

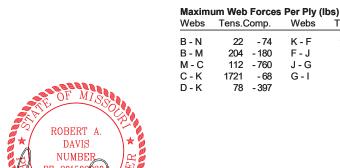
IC: From	45 plf at	5.09 to	45 plf at	11.88		
TC: From	90 plf at	11.88 to	90 plf at	17.69		
BC: From	4 plf at	-0.67 to	4 plf at	0.00		
BC: From	20 plf at	0.00 to	20 plf at	5.09		
BC: From	10 plf at	5.09 to	10 plf at	11.88		
BC: From	20 plf at	11.88 to	20 plf at	17.02		
BC: From	4 plf at	17.02 to	4 plf at	17.69		
BC: 132 lb	Conc. Load	at 5.09	•			
BC: 55 lb Conc. Load at 6 64 8 51 10 39 11 88						

The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

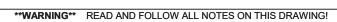
Wind loads and reactions based on MWFRS. End verticals not exposed to wind pressure. Left and right cantilevers are exposed to wind

Additional Notes

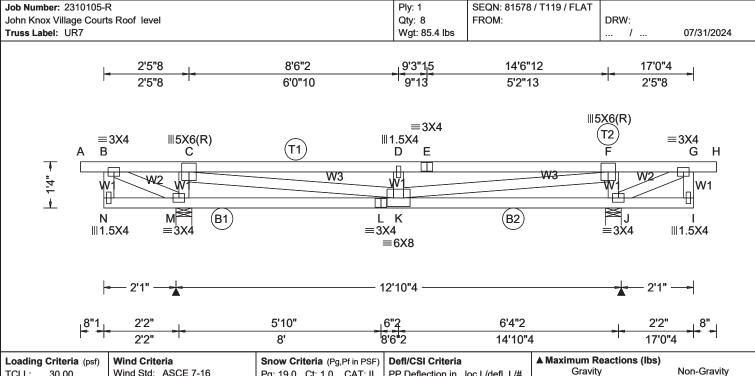
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07/31/24



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I TODE.	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	55.00
NCBCLL:	0.00
Soffit:	2.00
Load Dur	ation: 1.25
Spacing:	24.0 "

30.00

15 00

Wind Std: ASCE 7-16 Speed: 109 mph Enclosure: Closed Risk Category: II EXP: B Mean Height: 50.92 ft TCDL: 5.0 psf BCDL: 4.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any

GCpi: 0.18

Wind Duration: 1.60

Pg: 19.0 Ct: 1.0 CAT: II Pf: 15.0(specified) Ce: 1.0 Cs: 1.00 Snow Duration: 1.15

Code / Misc Criteria Bldg Code: IBC 2018 TPI Std: 2014 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE

PP Deflection in loc L/defl L/# VERT(LL): 0.128 D 999 360 VERT(TL): 0.239 D 636 240 HORZ(LL): 0.013 B HORZ(TL): 0.025 B Creep Factor: 2.0 Max TC CSI: 0.659 Max BC CSI: 0.336 Max Web CSI: 0.725 Mfg Specified Camber:

VIEW Ver: 23.02.04A.0207.10

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

Chords Tens. Comp. A - B 0 0 E-F 699 - 2009 F-G 247 B-C 248 - 129 - 129 C - D 699 - 2009 G-H 0 0 D-E 699 - 2009

/Rw

/492

/492

/U

/179 /-

/178

Lumber

TCLL:

TCDI:

Value Set: NDS 2015 Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3

Wind loads based on MWFRS with additional C&C

End verticals not exposed to wind pressure. Left and right cantilevers are exposed to wind

Additional Notes

Truss must be installed as shown with top chord up.

Maximum Bot Chord Forces Per Ply (lbs)

/_

Brg Wid = 5.5 Min Req = 1.5 (Truss)

Brg Wid = 5.5 Min Req = 1.5 (Truss)

Wind reactions based on MWFRS

Bearings M & J are a rigid surface

Gravity

R+ / R-

1018 /-

1018 /-

Chords	rens.comp.		Chords	rens. Comp.	
N - M	3	-8	K-J	329	- 136
M - L	329 - 1	37	J - I	3	-8
L-K	329 - 1	37			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
B - N	18	- 32	K-F	1902	- 665
B - M	153	- 272	F-J	386	- 846
M - C	385	- 846	J - G	153	- 271
C - K	1903	- 659	G-I	18	- 32
D-K	296	- 529			



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