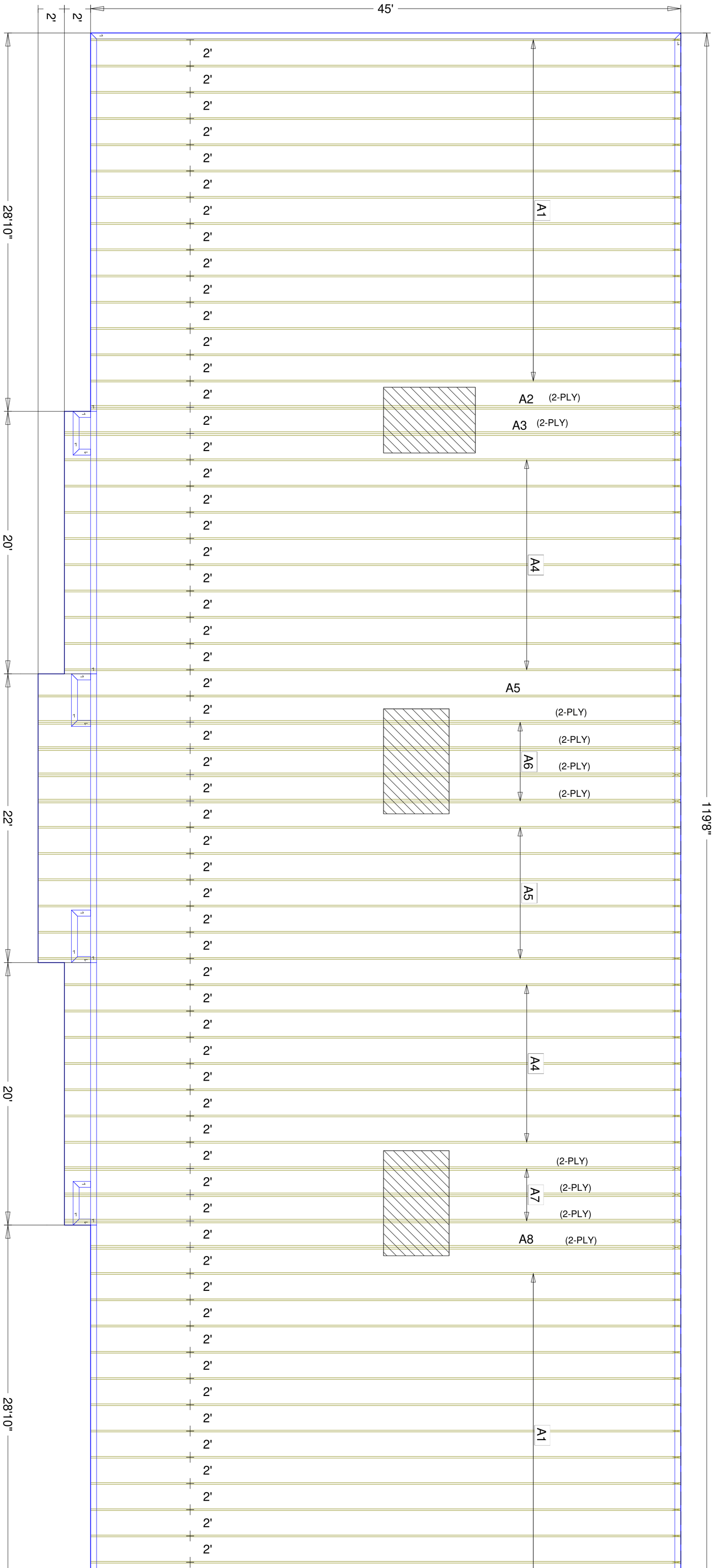


RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
11/26/2024

Joe Frogge

Digitally signed by Joe Frogge
DN: CN=Joe Frogge, OU=Development, OU=LS Users, DC=COLS, DC=LOC
Date: 2024.11.26 16:18:10-06'00'

PAGE NO: 1 OF 1

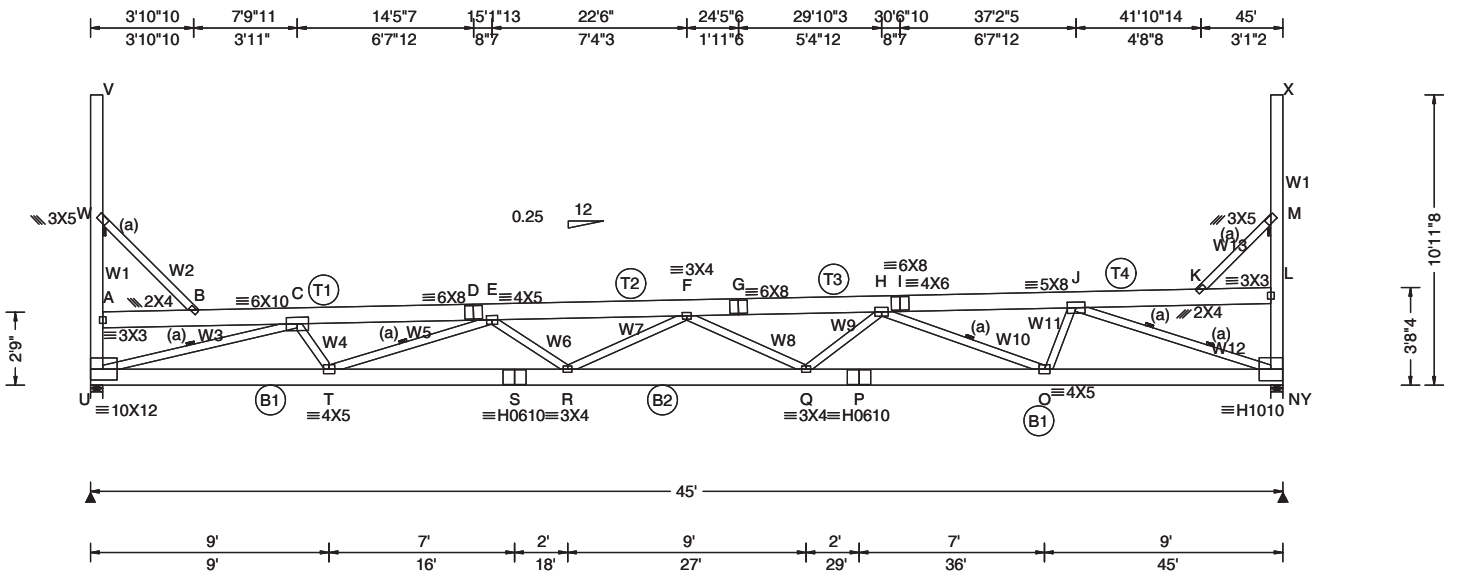
JOB NO: DT2555B

-: Hartland Market
-: Lumber One KC
-: 158th and State Ave.
Date: 11-07-2024
Framer:
Designer: David Taylor

Job Number: DT2555B
Ceiling Level: <Not Found>
SALESMAN: DST

Truss Ops North dba LATCO TRUSS

SEQN: 452305 / T8 / MONO FROM: Ply: 1 Qty: 26 Wgt: 401.8 lbs	**Job Number:** DT2555B Hartland Market	DRW: ... / ... 11/07/2024	**Truss Label:** A1



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.01 ft
TCDL: 5.0 psf
BCDL: 4.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.50 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 20.0 Ct: 1.0 CAT: II
Pf: 14.0 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.471 F	999	480
VERT(TL):	1.184 F	455	360
HORZ(LL):	0.075 N	-	-
HORZ(TL):	0.189 N	-	-

Creep Factor: 1.5
Max TC CSI: 0.196
Max BC CSI: 0.368
Max Web CSI: 0.986
Mfg Specified Camber:

VIEW Ver: 23.02.04.0123.13

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	1791	/-	/-	/909	/97	/443
Y	1773	/-	/-	/919	/103	/-

Wind reactions based on MWFRS
U Brg Wid = 5.5 Min Req = 1.5 (Truss)
Y Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings U & Y are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	182	- 247	G - H	1340	- 7042
B - C	499	- 647	H - I	1374	- 4415
C - D	1667	- 5423	I - J	1376	- 4414
D - E	1667	- 5415	J - K	493	- 664
E - F	1421	- 7543	K - L	202	- 213
F - G	1339	- 7044			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	4954	- 2301	Q - P	6478	- 1218
T - S	7246	- 2144	P - O	6478	- 1218
S - R	7246	- 2144	O - N	3962	- 912
R - Q	7664	- 1810			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - A	430	- 403	F - Q	460	- 723
U - C	1261	- 4997	Q - H	782	- 272
V - W	10	- 6	H - O	956	- 2268
W - A	731	- 458	O - J	1186	- 400
W - B	654	- 1046	J - N	964	- 4113
C - T	1005	- 440	K - M	670	- 1095
T - E	1082	- 1969	L - N	380	- 378
E - R	480	- 229	M - L	765	- 469
R - F	435	- 218	X - M	10	- 6

Lumber

Value Set: NDS 2015

Top chord: 2x8 SP 2400f-2.0E;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #2; W1 2x6 SP #1; W2,W13 2x4 SP #3;
W3 2x4 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-12 section 1607.

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	44.08	5.95	51.17	6.17
44.54	0.00	44.08	5.03	51.17	6.17

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 exposed to wind pressure. Deflection meets L/240.

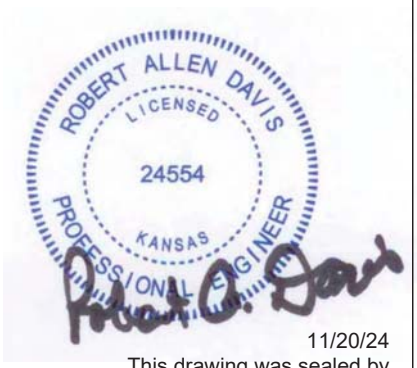
Deflection

Max JT VERT DEFL: LL: 0.46" DL: 0.69". See detail DEFLCAMB1014 for camber recommendations.
Provide for adequate drainage of roof.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Truss must be installed as shown with top chord up.



11/20/24
This drawing was sealed by Robert A Davis PE,

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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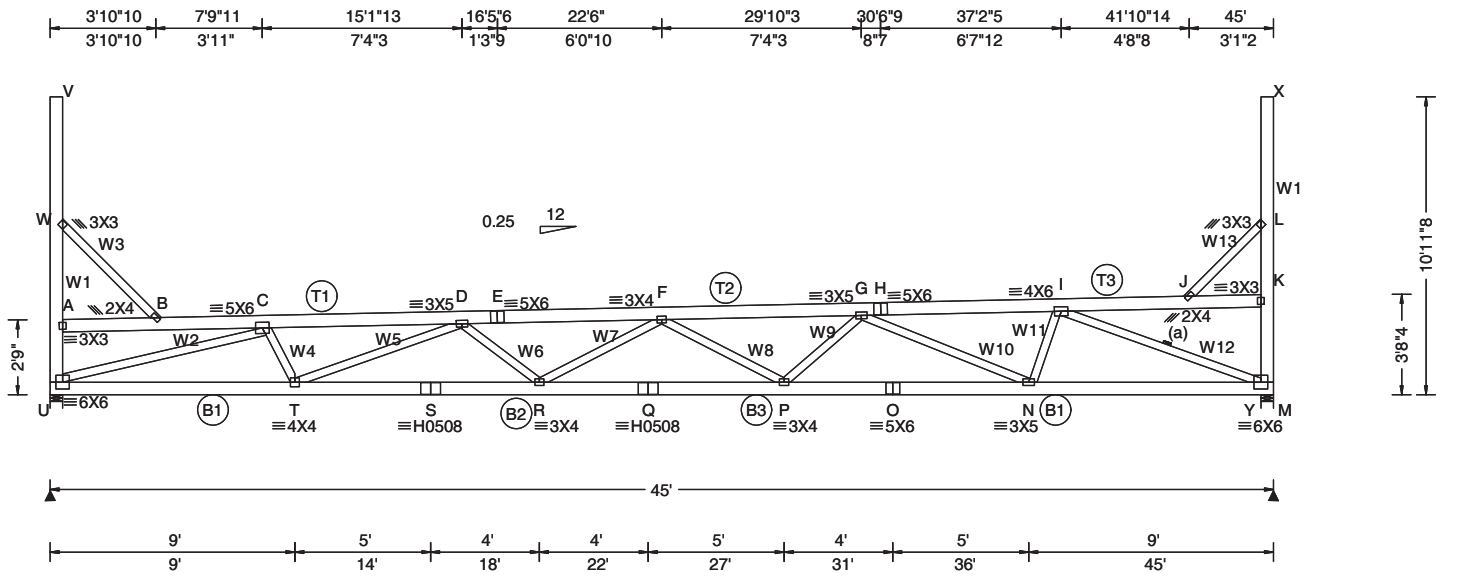
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

Truss Ops North dba LATCO TRUSS

SEQN: 452318 / T4 / MONO	**Job Number:** DT2555B		**Truss Label:** A2
FROM: Ply: 2 Qty: 1 Wgt: 674.8 lbs	Hartland Market	DRW: ... / ... 11/07/2024	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: 20.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: 14.0 Ce: 1.0	VERT(LL): 0.441 F 999 480
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 1.107 F 487 360
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.081 M - -
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.204 M - -
NCBCLL: 0.00	Mean Height: 16.01 ft	Building Code:	Creep Factor: 1.5
Soffit: 2.00	TCDL: 5.0 psf	IBC 2012	Max TC CSI: 0.350
Load Duration: 1.15	BCDL: 4.0 psf	TPI Std: 2007	Max BC CSI: 0.737
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.905
	C&C Dist a: 4.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 23.02.04.0123.13
	Wind Duration: 1.60		

Lumber

Value Set: NDS 2015

Top chord: 2x6 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #2; W1 2x6 SP #1;
W2 2x4 SP 2400f-2.0E; W3,W13 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.=1.15 / Plate Dur.Fac.=1.15)

TC: From	60 plf at	0.46 to	60 plf at	44.54
BC: From	20 plf at	0.00 to	20 plf at	45.00

TC: 450 lb Conc. Load at 15.67,22.67

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	44.08	8.20	51.17	6.17
44.54	0.00	44.08	7.28	51.17	6.17

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 exposed to wind pressure. Deflection meets L/240.

Deflection

Max JT VERT DEFL: LL: 0.43" DL: 0.68". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Truss must be installed as shown with top chord up.

ROBERT ALLEN DAVIS LICENSED 24554 KANSAS PROFESSIONAL ENGINEER

11/20/24
This drawing was sealed by Robert A Davis PE,

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
U	2289	/-	/-	/910	/98	/444
Y	2156	/-	/-	/920	/104	/-

Wind reactions based on MWFRS
U Brg Wid = 5.5 Min Req = 1.5 (Truss)
Y Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings U & Y are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	91	-155	F - G	640	-4580
B - C	291	-393	G - H	664	-2698
C - D	809	-3533	H - I	665	-2698
D - E	678	-5130	I - J	280	-386
E - F	678	-5124	J - K	84	-144

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	3189	-1124	Q - P	5212	-880
T - S	4968	-1040	P - O	4101	-597
S - R	4968	-1040	O - N	4101	-597
R - Q	5212	-880	N - M	2403	-431

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - A	190	-200	F - P	220	-751
U - C	562	-3233	P - G	674	-137
V - W	5	-3	G - N	462	-1555
W - A	322	-201	N - I	810	-198
W - B	289	-465	I - M	424	-2506
C - T	808	-219	J - L	280	-464
T - D	533	-1631	K - M	163	-190
D - R	229	-116	L - K	321	-194
R - F	204	-134	X - L	5	-3

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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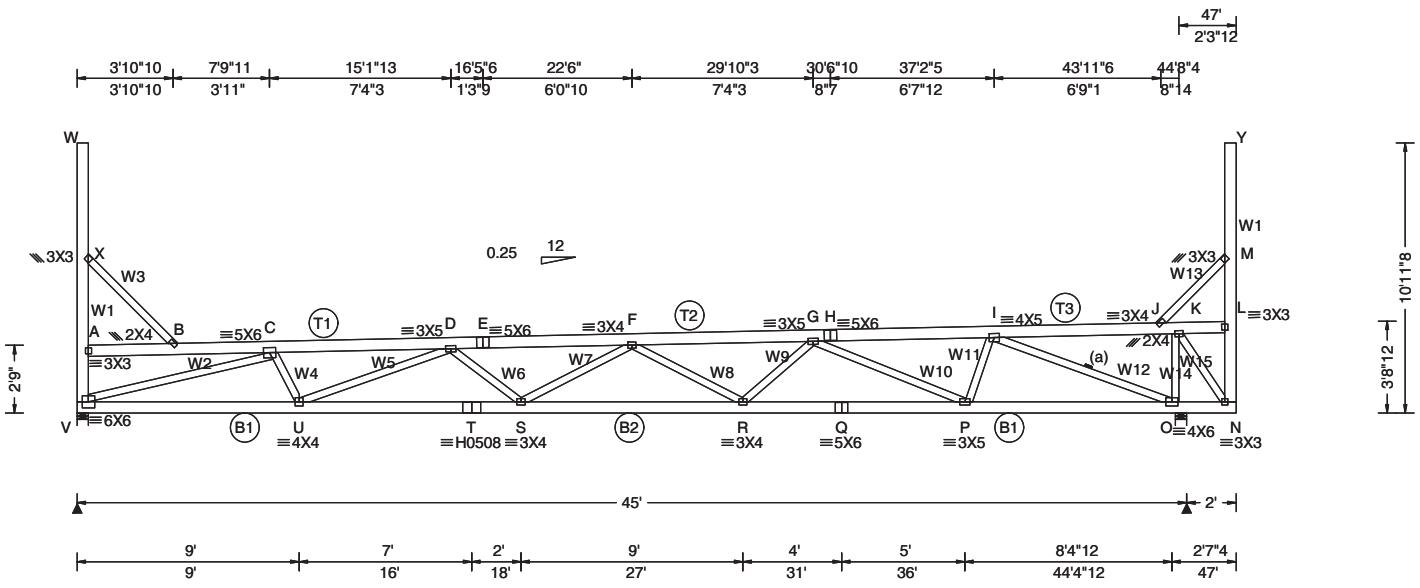
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

Truss Ops North dba LATCO TRUSS

SEQN: 452322 / T14 / MONO FROM: Ply: 2 Qty: 1 Wgt: 708.4 lbs	**Job Number:** DT2555B Hartland Market	DRW: ... / ... 11/07/2024	**Truss Label:** A3



Loading Criteria (psf)	
TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.15
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 0.00 ft
TCDL: 5.0 psf
BCDL: 4.0 psf
MWFRS Parallel Dist: > 2h
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: 20.0 Ct: 1.0 CAT: II
Pf: 14.0 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.431 F	999	480
VERT(TL):	1.088 F	493	360
HORZ(LL):	0.080 N	-	-
HORZ(TL):	0.201 N	-	-

Creep Factor: 1.5
Max TC CSI: 0.346
Max BC CSI: 0.730
Max Web CSI: 0.899
Mfg Specified Camber:

VIEW Ver: 23.02.04.0123.13

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
V	2276	/-	/-	/905	/99	/445
O	2330	/-	/-	/998	/132	/-

Wind reactions based on MWFRS
V Brg Wid = 5.5 Min Req = 1.5 (Truss)
O Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings V & O are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	91	-156	G - H	653	-2625
B - C	291	-392	H - I	653	-2624
C - D	809	-3510	I - J	442	-637
D - E	679	-5087	J - K	178	-204
E - F	679	-5082	K - L	167	-66
F - G	651	-4519			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	3169	-1125	R - Q	4036	-584
U - T	4931	-1040	Q - P	4036	-584
T - S	4931	-1040	P - O	2327	-412
S - R	5160	-885	O - N	644	-400

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - A	190	-204	R - G	681	-148
V - C	563	-3213	G - P	400	-1565
W - X	5	-3	P - I	816	-167
X - A	322	-205	I - O	474	-2357
X - B	294	-465	J - M	363	-592
C - U	801	-220	O - K	66	-133
U - D	536	-1614	K - N	392	-604
D - S	227	-116	L - N	471	-307
S - F	204	-122	M - L	408	-251
F - R	232	-762	Y - M	5	-3

Lumber

Value Set: NDS 2015

Top chord: 2x6 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #2; W1 2x6 SP #1;
W2 2x4 SP 2400f-2.0E; W3,W13 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.=1.15 / Plate Dur.Fac.=1.15)
TC: From 60 plf at 0.46 to 60 plf at 46.54
BC: From 20 plf at 0.00 to 20 plf at 47.00
TC: 450 lb Conc. Load at 15.67,22.67

Loading

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-12 section 1607.

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 exposed to wind pressure. Deflection meets L/240.

Right cantilever is exposed to wind

Additional Notes

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Truss must be installed as shown with top chord up.

ROBERT ALLEN DAVIS LICENSED 24554 KANSAS PROFESSIONAL ENGINEER

11/20/24
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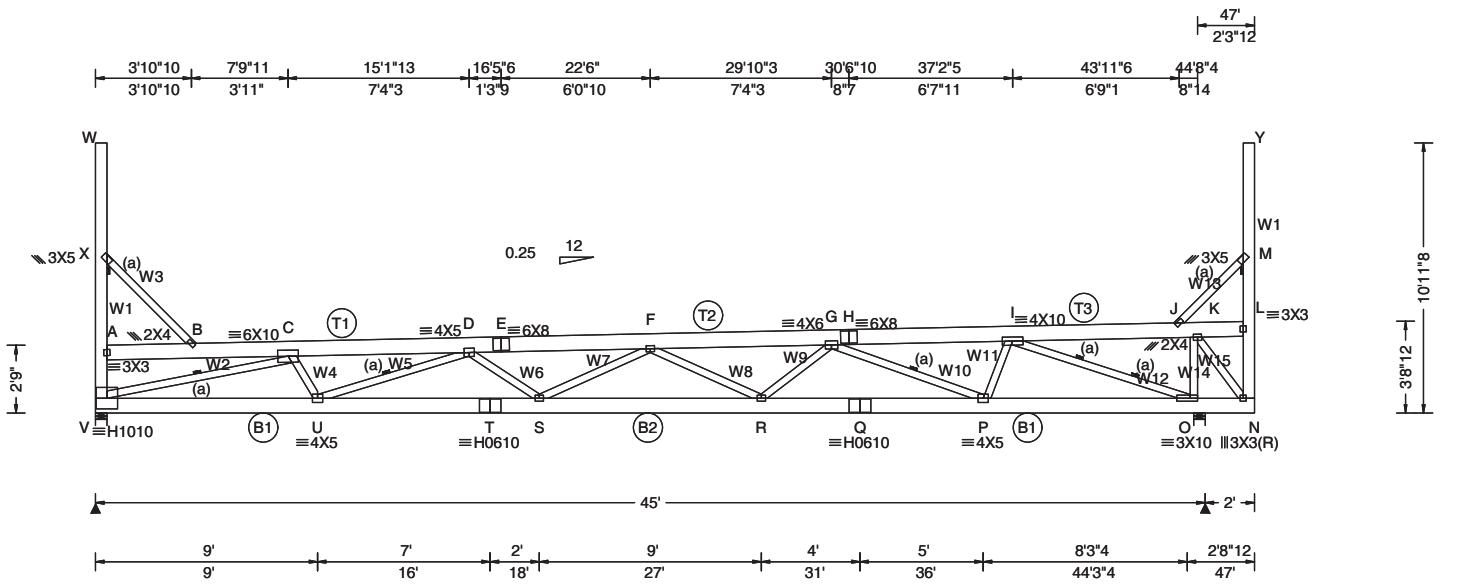
Truss Ops North dba LATCO TRUSS

SEQN: 452302 / T13 / MONO	**Job Number:** DT2555B		**Truss Label:** A4
FROM: Ply: 1 Qty: 16	Hartland Market	DRW:	
Wgt: 418.6 lbs		... / ... 11/07/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.03 ft
TCDL: 5.0 psf
BCDL: 4.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.70 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 20.0 Ct: 1.0 CAT: II
Pf: 14.0 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2012
TPI Std: 2007
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
HS, WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.456 F	999	480
VERT(TL):	1.154 F	465	360
HORZ(LL):	0.073 N	-	-
HORZ(TL):	0.186 N	-	-

Creep Factor: 1.5
Max TC CSI: 0.196
Max BC CSI: 0.364
Max Web CSI: 0.870
Mfg Specified Camber:

VIEW Ver: 23.02.04.0123.13

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
V	1779	/-	/-	/905	/98	/443
O	1945	/-	/-	/998	/132	/-

Wind reactions based on MWFRS
V Brg Wid = 5.5 Min Req = 1.5 (Truss)
O Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings V & O are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	182	- 247	G - H	1351	- 4272
B - C	499	- 647	H - I	1352	- 4272
C - D	1668	- 5384	I - J	902	- 1295
D - E	1421	- 7468	J - K	367	- 424
E - F	1422	- 7467	K - L	354	- 151
F - G	1360	- 6941			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
V - U	4920	- 2303	R - Q	6365	- 1191
U - T	7183	- 2144	Q - P	6365	- 1191
T - S	7183	- 2144	P - O	3825	- 871
S - R	7573	- 1821	O - N	1335	- 841

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - A	430	- 410	R - G	798	- 300
V - C	1262	- 4962	G - P	834	- 2301
W - X	10	- 6	P - I	1174	- 323
X - A	731	- 467	I - O	900	- 3726
X - B	665	- 1046	J - M	744	- 1205
C - U	1059	- 442	O - K	129	- 250
U - D	1088	- 2071	K - N	806	- 1228
D - S	466	- 229	L - N	950	- 624
S - F	433	- 209	M - L	841	- 521
F - R	480	- 740	Y - M	10	- 6

Lumber

Value Set: NDS 2015

Top chord: 2x8 SP 2400f-2.0E;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #2; W1 2x6 SP #1;
W2 2x4 SP 2400f-2.0E; W3,W13 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Loading

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-12 section 1607.

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	46.08	5.95	52.49	6.32
46.54	0.00	46.08	4.99	52.49	6.32

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 exposed to wind pressure. Deflection meets L/240.

Right cantilever is exposed to wind

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Truss must be installed as shown with top chord up.

11/20/24
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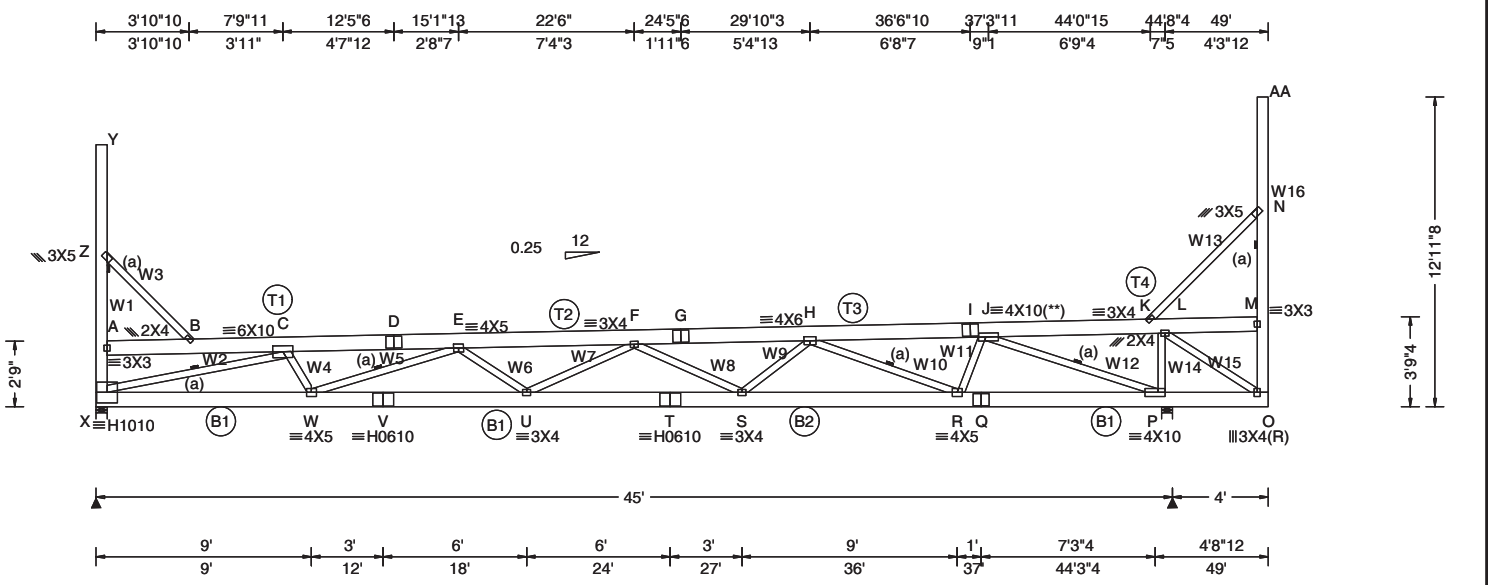
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

Truss Ops North dba LATCO TRUSS

SEQN: 452311 / T12 / MONO	**Job Number:** DT2555B		**Truss Label:** A5
FROM: Ply: 1 Qty: 7	Hartland Market	DRW:	
Wgt: 439.6 lbs		... / ... 11/07/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.05 ft
TCDL: 5.0 psf
BCDL: 4.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.90 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 20.0 Ct: 1.0 CAT: II
Pf: 14.0 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
HS, WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.444	F	999	480
VERT(TL): 1.133	F	474	360
HORZ(LL): 0.072	O	-	-
HORZ(TL): 0.186	O	-	-

Creep Factor: 1.5
Max TC CSI: 0.207
Max BC CSI: 0.397
Max Web CSI: 0.908
Mfg Specified Camber:

VIEW Ver: 23.02.04.0123.13

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
X	1769	/-	/-	/914	/108	/484
P	2160	/-	/-	/1052	/162	/-

Wind reactions based on MWFRS
X Brg Wid = 5.5 Min Req = 1.5 (Truss)
P Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings X & P are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	184	-247	G - H	1586	-6876
B - C	497	-645	H - I	1640	-4255
C - D	1570	-5365	I - J	1640	-4246
D - E	1570	-5359	J - K	1223	-1677
E - F	1239	-7432	K - L	726	-886
F - G	1585	-6878	L - M	251	-72

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
X - W	4903	-2268	S - R	6305	-1168
W - V	7150	-2037	R - Q	3799	-1107
V - U	7150	-2037	Q - P	3799	-1107
U - T	7526	-1651	P - O	1993	-1366
T - S	7526	-1651			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - A	431	-416	S - H	799	-328
X - C	1175	-4946	H - R	863	-2263
Y - Z	10	-6	R - J	1202	-346
Z - A	732	-467	J - P	1006	-3901
Z - B	666	-1047	K - N	689	-1092
C - W	1048	-466	P - L	102	-586
W - E	1146	-2046	L - O	931	-1348
E - U	472	-258	M - O	798	-520
U - F	468	-253	N - M	768	-485
F - S	524	-767	AA- N	8	-5

Lumber

Value Set: NDS 2015

Top chord: 2x8 SP 2400f-2.0E;
Bot chord: 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #2; W1 2x6 SP #1; W2,
W12 2x4 SP 2400f-2.0E; W3 2x4 SP #3;
W16 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)

TC: From	60 plf at	0.46 to	60 plf at	48.54
BC: From	20 plf at	0.00 to	20 plf at	49.00

Plating Notes

All plates are 6X8 except as noted.

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

Wind

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

End verticals exposed to wind pressure. Deflection meets L/240.

Right cantilever is exposed to wind

Loading

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-12 section 1607.

Drifting snow load has been considered for only in plane loading as follows:

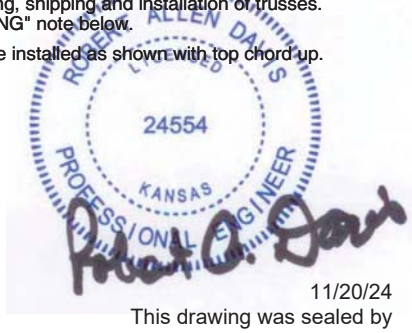
Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	48.08	5.95	53.77	6.48
48.54	0.00	48.08	6.95	53.77	6.48

Where: Lu1 = leeward distance, Lu2 = windward distance
Pd = max applied load, W = length of applied load.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Truss must be installed as shown with top chord up.



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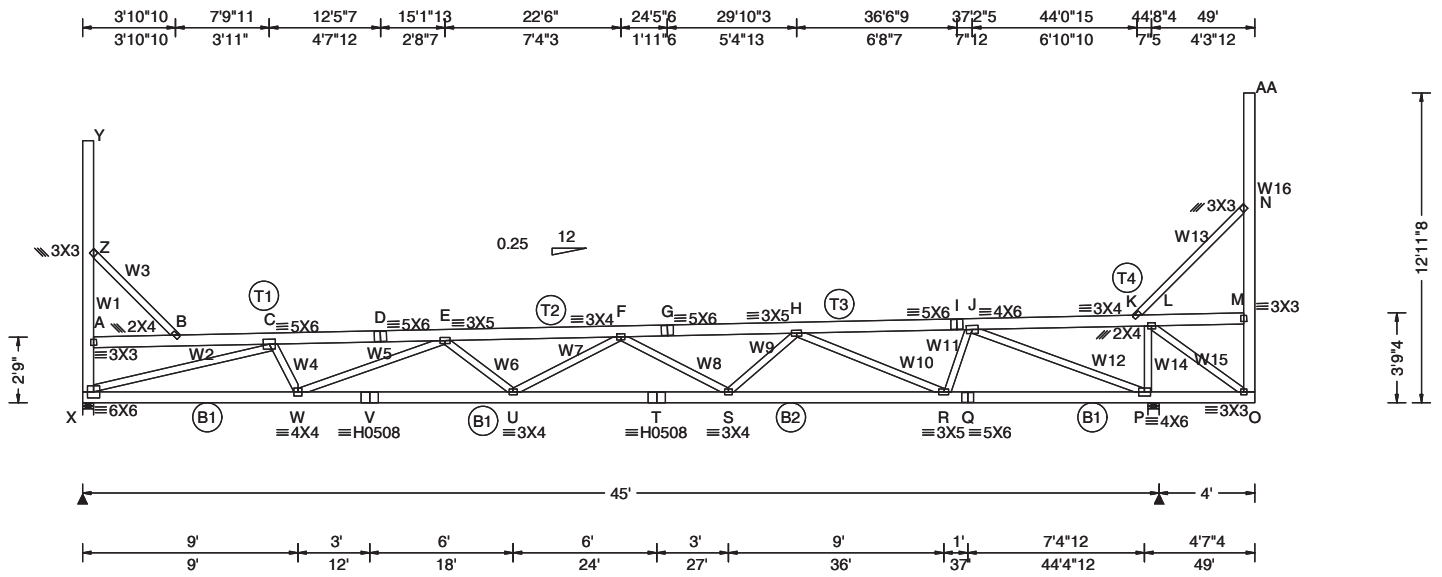
Truss Ops North dba LATCO TRUSS

SEQN: 452328 / T15 / MONO	**Job Number:** DT2555B		**Truss Label:** A6
FROM: Ply: 2 Qty: 4	Hartland Market	DRW:	
Wgt: 744.8 lbs		... / ... 11/07/2024	



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.15
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 120 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 16.05 ft
TCDL: 5.0 psf
BCDL: 4.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.90 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: 20.0 Ct: 1.0 CAT: II
Pf: 14.0 Ce: 1.0
Lu: - Cs: 1.00
Snow Duration: 1.15

Building Code:
IBC 2012
TPI Std: 2007
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.427	F	999	480
VERT(TL): 1.084	F	495	360
HORZ(LL): 0.079	O	-	-
HORZ(TL): 0.202	O	-	-

Creep Factor: 1.5
Max TC CSI: 0.583
Max BC CSI: 0.741
Max Web CSI: 0.876
Mfg Specified Camber:

VIEW Ver: 23.02.04.0123.13

▲Maximum Reactions (lbs)

		Gravity		Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
X	2251	/-	/-	/914	/109	/485
P	2520	/-	/-	/1052	/162	/-

Wind reactions based on MWFRS
X Brg Wid = 5.5 Min Req = 1.5 (Truss)
P Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings X & P are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	118	-186	G - H	759	-4552
B - C	308	-421	H - I	790	-2636
C - D	760	-3460	I - J	790	-2632
D - E	760	-3457	J - K	598	-821
E - F	592	-5096	K - L	351	-427
F - G	759	-4558	L - M	119	-31

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
X - W	3118	-1106	S - R	4052	-548
W - V	4890	-990	R - Q	2331	-523
V - U	4890	-990	Q - P	2331	-523
U - T	5245	-804	P - O	960	-653
T - S	5245	-804			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
X - A	181	-214	S - H	717	-161
X - C	499	-3138	H - R	417	-1574
Y - Z	5	-3	R - J	838	-179
Z - A	309	-196	J - P	516	-2452
Z - B	282	-446	K - N	340	-541
C - W	801	-230	P - L	52	-291
W - E	559	-1617	L - O	453	-659
E - U	286	-131	M - O	397	-259
U - F	222	-205	N - M	377	-238
F - S	253	-820	AA- N	4	-2

Lumber

Value Set: NDS 2015

Top chord: 2x6 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #2; W1,W16 2x6 SP 2400f-2.0E; W2, W12 2x4 SP 2400f-2.0E; W3,W13 2x4 SP #3;

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.=1.15 / Plate Dur.Fac.=1.15)
TC: From 60 plf at 0.46 to 60 plf at 48.54
BC: From 20 plf at 0.00 to 20 plf at 49.00
TC: 450 lb Conc. Load at 17.67,22.67

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	48.08	8.20	53.77	6.48
48.54	0.00	48.08	9.20	53.77	6.48

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 exposed to wind pressure. Deflection meets L/240.

Right cantilever is exposed to wind

Additional Notes

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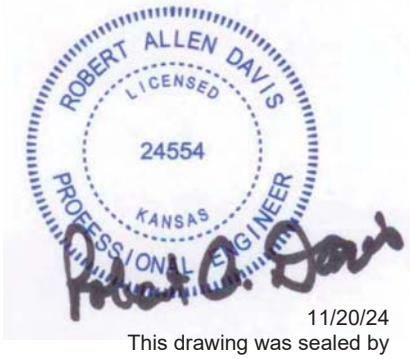

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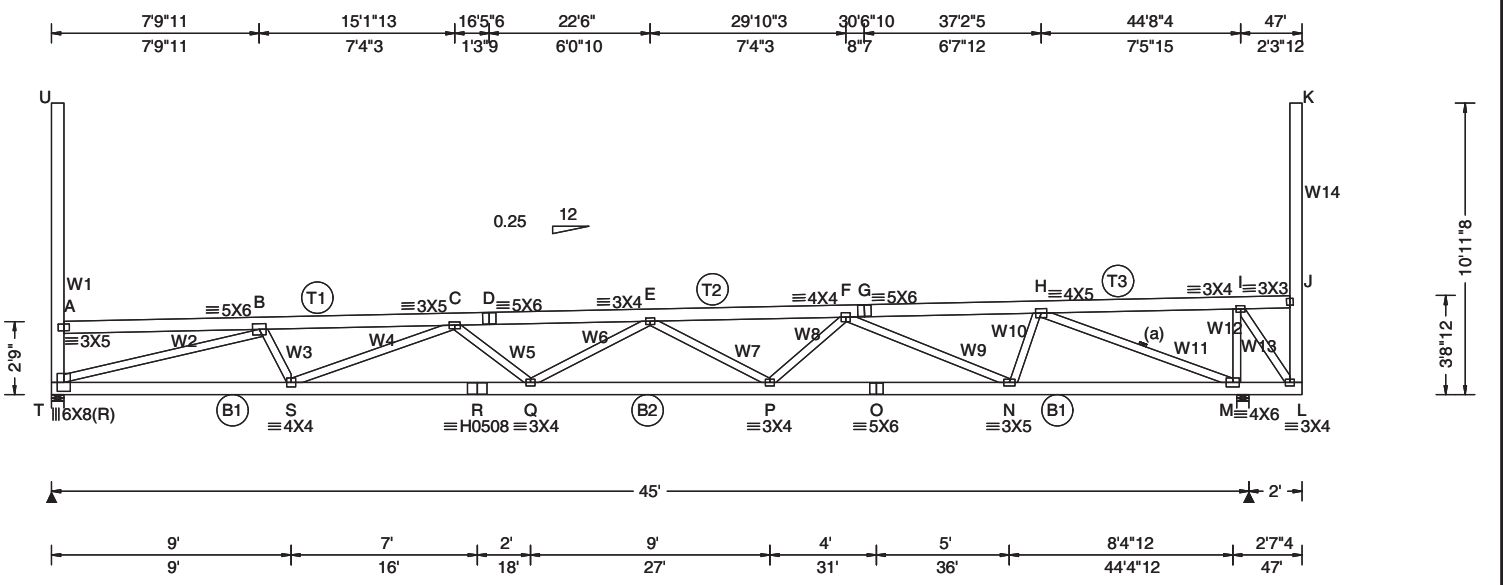
LATCO TRUSS
Truss Ops North dba

SEQN: 452332 / T16 / MONO	**Job Number:** DT2555B		**Truss Label:** A7
FROM: Ply: 2 Qty: 3	Hartland Market	DRW:	
Wgt: 680.4 lbs		... / ... 11/07/2024	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: 20.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: 14.0 Ce: 1.0	VERT(LL): 0.435 E 999 480
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 1.098 E 489 360
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.080 L - -
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.202 L - -
NCBCLL: 10.00	Mean Height: 0.00 ft	Building Code:	Creep Factor: 1.5
Soffit: 2.00	TCDL: 5.0 psf	IBC 2012	Max TC CSI: 0.591
Load Duration: 1.15	BCDL: 4.0 psf	TPI Std: 2007	Max BC CSI: 0.744
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	Rep Fac: Varies by Ld Case	Max Web CSI: 0.905
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 23.02.04.0123.13
	Wind Duration: 1.60		

Lumber

Value Set: NDS 2015

Top chord: 2x6 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #2; W1 2x6 SP 2400f-2.0E;
W2 2x4 SP 2400f-2.0E; W14 2x6 SP #1;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.=1.15 / Plate Dur.Fac.=1.15)
TC: From 60 plf at 0.46 to 60 plf at 46.54
BC: From 20 plf at 0.00 to 20 plf at 47.00
TC: 450 lb Conc. Load at 17.67,22.67

Loading

Bottom chord checked for 10.00 psf non-concurrent bottom chord live load applied per IBC-12 section 1607.

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 exposed to wind pressure. Deflection meets L/240.

Right cantilever is exposed to wind

Additional Notes

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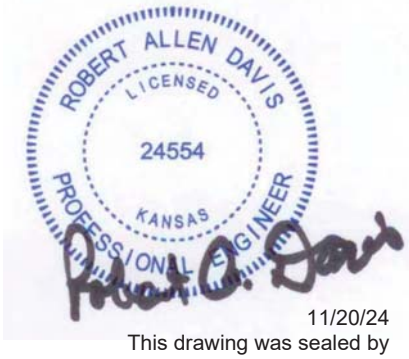
Truss must be installed as shown with top chord up.



11/20/24
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▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
T	2256	/-	/-	/974	/134	/562
M	2350	/-	/-	/1061	/165	/-

Wind reactions based on MWFRS
T Brg Wid = 5.5 Min Req = 1.5 (Truss)
M Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings T & M are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	671	- 961	F - G	666	- 2654
B - C	819	- 3480	G - H	667	- 2653
C - D	693	- 5113	H - I	498	- 736
D - E	693	- 5113	I - J	461	- 683
E - F	656	- 4588			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
T - S	3140	- 1201	P - O	4081	- 617
S - R	4904	- 1140	O - N	4081	- 617
R - Q	4904	- 1140	N - M	2353	- 401
Q - P	5269	- 944	M - L	737	- 472

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - A	42	- 135	P - F	715	- 162
T - B	799	- 3236	F - N	408	- 1583
U - A	7	- 5	N - H	824	- 171
B - S	769	- 182	H - M	556	- 2382
S - C	451	- 1549	M - I	73	- 88
C - Q	275	- 139	I - L	75	- 285
Q - E	232	- 190	J - L	68	- 52
E - P	251	- 809	K - J	7	- 4

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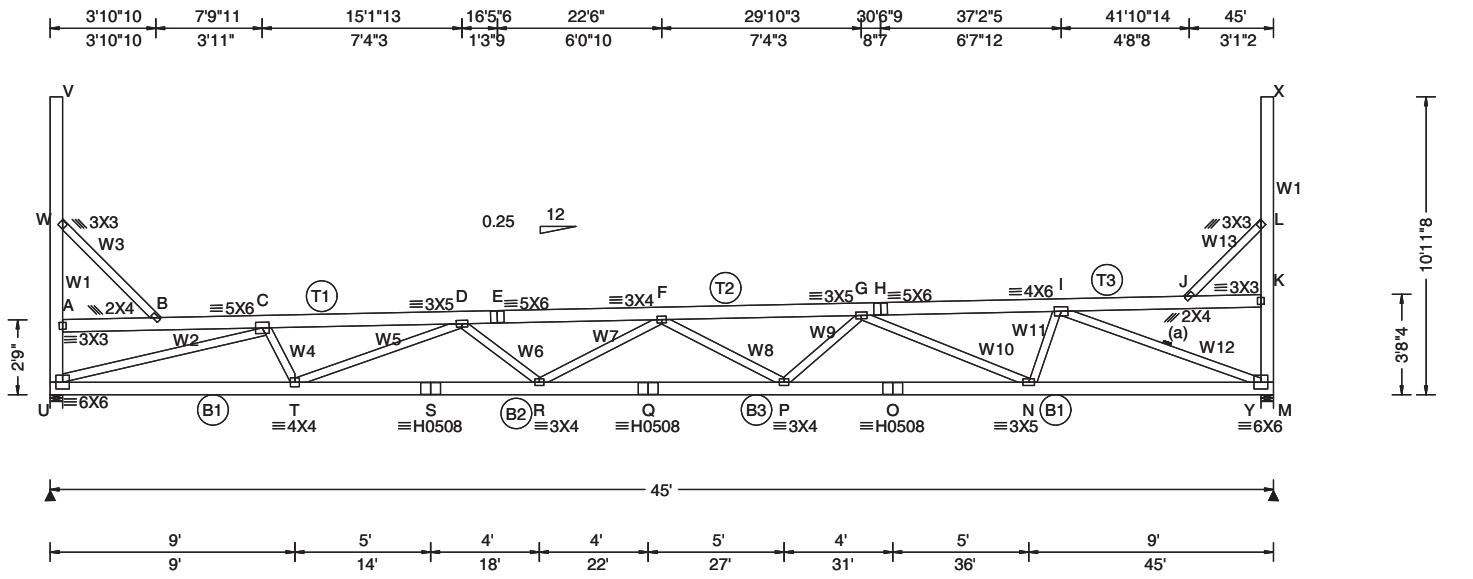
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

LATCO TRUSS

SEQN: 452337 / T17 / MONO	**Job Number:** DT2555B		**Truss Label:** A8
FROM: Ply: 2 Qty: 1 Wgt: 674.8 lbs	Hartland Market	DRW: ... / ... 11/07/2024	



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: 20.0 Ct: 1.0 CAT: II	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 120 mph	Pf: 14.0 Ce: 1.0	VERT(LL): 0.444 F 999 480
BCLL: 0.00	Enclosure: Closed	Lu: - Cs: 1.00	VERT(TL): 1.117 F 483 360
BCDL: 10.00	Risk Category: II	Snow Duration: 1.15	HORZ(LL): 0.082 M - -
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.205 M - -
NCBCLL: 0.00	Mean Height: 16.01 ft	Building Code:	Creep Factor: 1.5
Soffit: 2.00	TCDL: 5.0 psf	IBC 2012	Max TC CSI: 0.591
Load Duration: 1.15	BCDL: 4.0 psf	TPI Std: 2007	Max BC CSI: 0.751
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.893
	C&C Dist a: 4.50 ft	FT/RT:20(0)/10(0)	Mfg Specified Camber:
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	WAVE, HS	VIEW Ver: 23.02.04.0123.13
	Wind Duration: 1.60		

Lumber

Value Set: NDS 2015

Top chord: 2x6 SP #1;
Bot chord: 2x6 SP #1;
Webs: 2x4 SP #2; W1 2x6 SP #1;
W2 2x4 SP 2400f-2.0E; W3,W13 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.=1.15 / Plate Dur.Fac.=1.15)

TC: From	60 plf at	0.46 to	60 plf at	44.54
BC: From	20 plf at	0.00 to	20 plf at	45.00

TC: 450 lb Conc. Load at 17.67,22.67

Loading

Drifting snow load has been considered for only in plane loading as follows:

Location	Lu1	Lu2	Height	Pd	W
0.46	0.00	44.08	8.20	51.17	6.17
44.54	0.00	44.08	7.28	51.17	6.17

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 exposed to wind pressure. Deflection meets L/240.

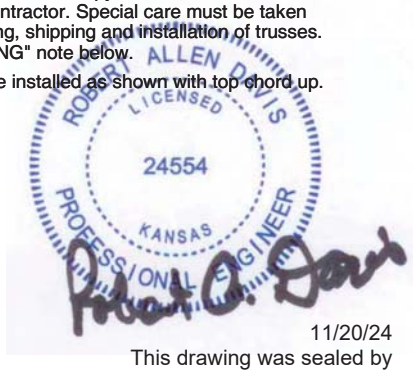
Deflection

Max JT VERT DEFL: LL: 0.43" DL: 0.65". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Truss must be installed as shown with top chord up.



11/20/24
This drawing was sealed by Robert A Davis PE,

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Non-Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
U	2269	/-	/-	/910	/98	/444
Y	2176	/-	/-	/920	/104	/-

Wind reactions based on MWFRS
U Brg Wid = 5.5 Min Req = 1.5 (Truss)
Y Brg Wid = 5.5 Min Req = 1.5 (Truss)
Bearings U & Y are a rigid surface.

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	91	-158	F - G	640	-4649
B - C	291	-393	G - H	664	-2728
C - D	809	-3496	H - I	665	-2727
D - E	678	-5158	I - J	280	-386
E - F	678	-5157	J - K	84	-144

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
U - T	3150	-1124	Q - P	5320	-880
T - S	4944	-1040	P - O	4146	-597
S - R	4944	-1040	O - N	4146	-597
R - Q	5320	-880	N - M	2429	-431

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
U - A	190	-200	F - P	220	-797
U - C	562	-3190	P - G	708	-137
V - W	5	-3	G - N	462	-1572
W - A	322	-201	N - I	818	-198
W - B	289	-465	I - M	424	-2535
C - T	782	-219	J - L	280	-464
T - D	533	-1576	K - M	163	-190
D - R	281	-116	L - K	321	-194
R - F	204	-199	X - L	5	-3

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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Truss Ops North dba LATCO TRUSS