10641 Highway 36
Covington, GA
30014

www.sunbeltbuilders.com

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JACKSON COUNTY
AIRPORT TERMINAL BUILDING

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
ph: 864-704-9315
Dalton Parker
dparker@trutek-fs.com

05-3000 Structural Steel, Metal Decking & Truss
As-built

CUSTOMER INFORMATION

NAME:	Sunbelt Builders
ADDRESS:	10641 HWY 36
CITY:	Covington
STATE:	GA
ZIP:	30016
TELEPHONE	(404)-644-2939
CONTACT:	Mike McCrorey Jr

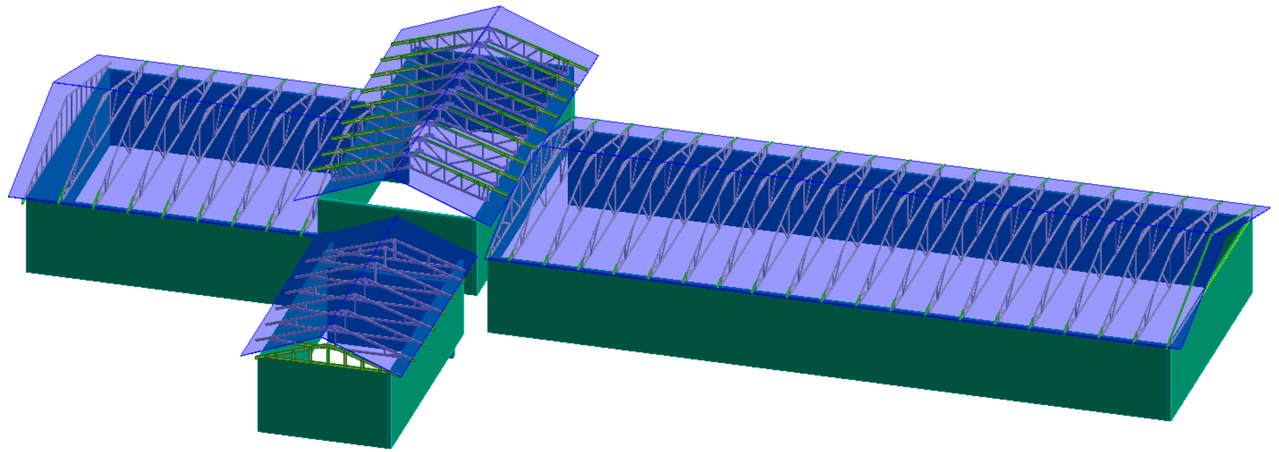
Jackson County Airport Terminal

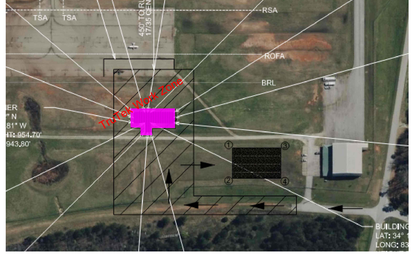
Jefferson, GA

TruTek Job# 24188

SHEET INDEX:

TL0.0	Cover Page
TL1.0	Truss Placement Plan
TL2.0	Sections
TL3.0	Roof Deck Layout Plan





STANDARD SYMBOLS

TBx.x — Truss/Bearing Detail

TTx.x — Truss/Truss Detail

BPx — Bent Plate Key

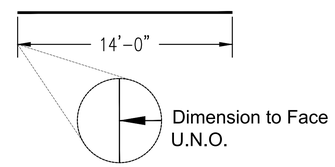
1 — Revision Number

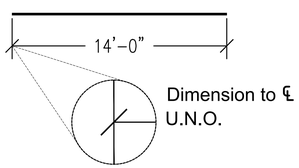
Workpoint

Layout Direction

Roof Pitch 4:12 — 6:12

Ceiling Pitch 12:4 — 6:12 CEILING





GENERAL NOTES:

1. Do not alter, cut, or notch a truss member without prior written approval by TruTek. Back charges will not be accepted, regardless of fault, without prior notification.
2. Coordinate the Layout of the trusses and truss members with all Mechanical Contractors. Avoid hanging mechanical equipment and/or piping from diagonal web members. If mechanical hangers require a hole to be drilled in the chord flange, the hole size must not exceed 3/8" diameter.
3. CFS trusses have a front and a back face. Typically all truss to truss and truss to bearing connections are applied to the front face (Unless Otherwise Noted.) The front face of the truss can be easily identified by viewing an individual truss drawing. When viewing a typical truss drawing you are looking at the front face or hard side of the truss.
4. See the supplemental CFSB1 Summary Sheet - Guide for Handling, Installing, Restraining and Bracing of Trusses for more information on the storage, handling, and erection bracing requirements. (Failure to follow these recommendations could result in sever personal injury or damage to the trusses or building.)
5. See the Bracing Layout in conjunction with the individual Truss Drawings for the location and extent of all required permanent lateral and diagonal bracing to resist truss member buckling forces.
6. Per AISI S240-23 the Building Designer is responsible for the clear specification of all design loads and their path or transfer throughout the building. TruTek is restricted to the roll of the Truss Designer as we endeavor to provide the necessary individual components to achieve the Building Designer's specified design for the trusses.
7. TruTek shall supply or perform only the items or services in the agreed upon contract, proposal, or statement of work. Any items or work designated as "by others" is outside of TruTek's current scope.

JOB NAME: Jackson County Airport Terminal

LOCATION: Jefferson, GA

TruTek Framing Systems LLC

ISSUE DATE: 02/27/2025

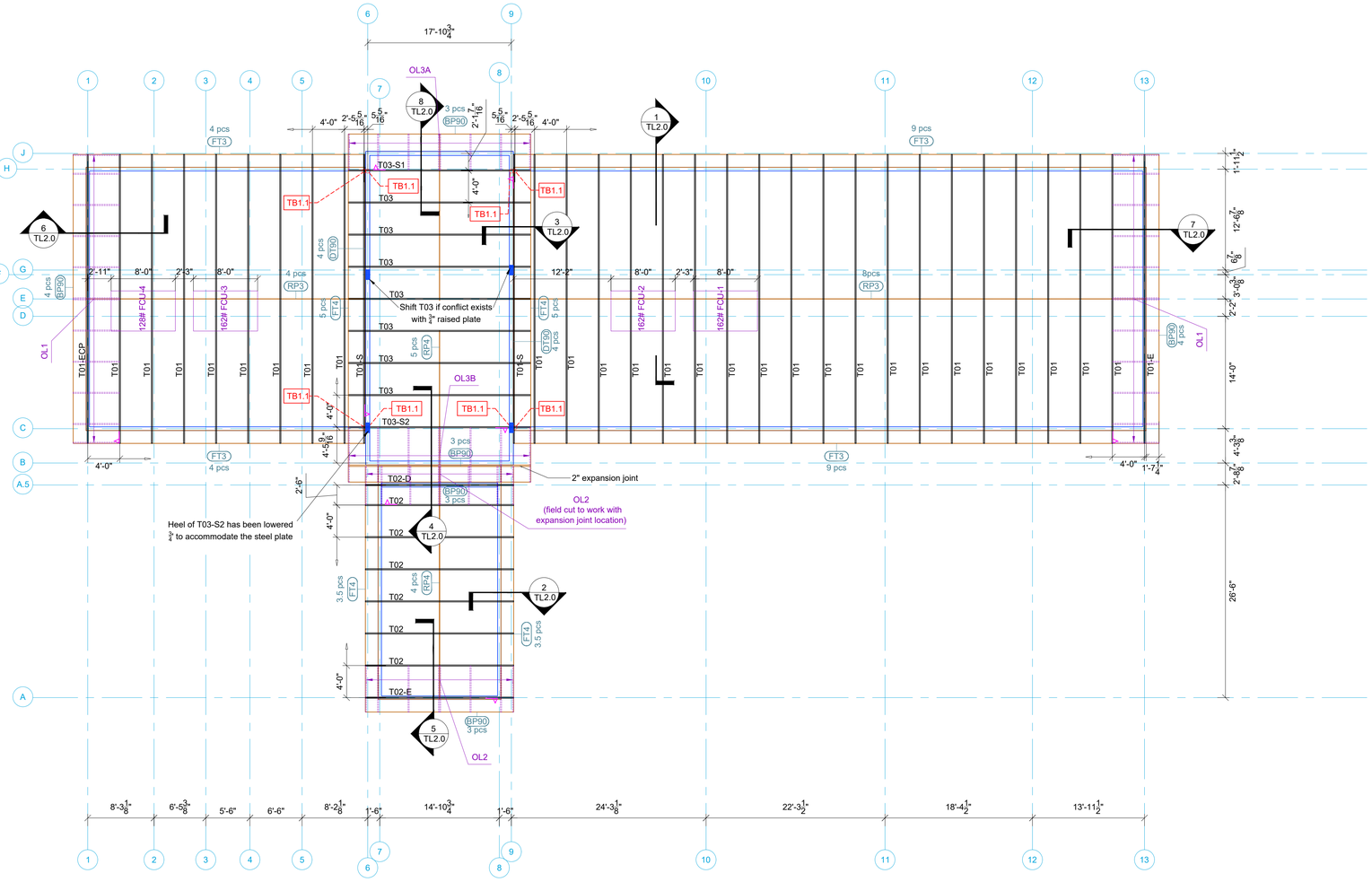
REVISIONS:

TruTek Job# 24188

DRAWN BY: ADT

APPROVED BY: JM

SHEET: TL0.0



Truss Placement Plan

Structural Connection Information
(see submittal book for details)

TB1.0 Typical truss to bearing connection U.N.O.
(See highlighted rows on sheet TB1.0)

= Direction of Hard Face

BENT PLATE SCHEDULE (figured with 6" overlaps)

QTY	LABEL	Ga.	LENGTH	LEG (A)	LEG (B)	∠°	PROFILE	DESCRIPTION
12	RP3	14	10'-0"	4"	4"	152	^	Ridge
9	RP4	14	10'-0"	4"	4"	144	^	Ridge
17	FT4	14	10'-0"	3"	3"	72	v	Fascia-Top
26	FT3	14	10'-0"	4"	4"	76	v	Fascia-Top
21	BP90	14	10'-0"	3"	3"	90	L	Rake
8	DT90	14	10'-0"	4"	4"	90	L	Deflection Track
18	FP1	14	10'-0"	8"		180		Flat Plate

JOB NAME: Jackson County Airport Terminal

LOCATION: Jefferson, GA

TruTek Framing Systems LLC

ISSUE DATE: 02/27/2025

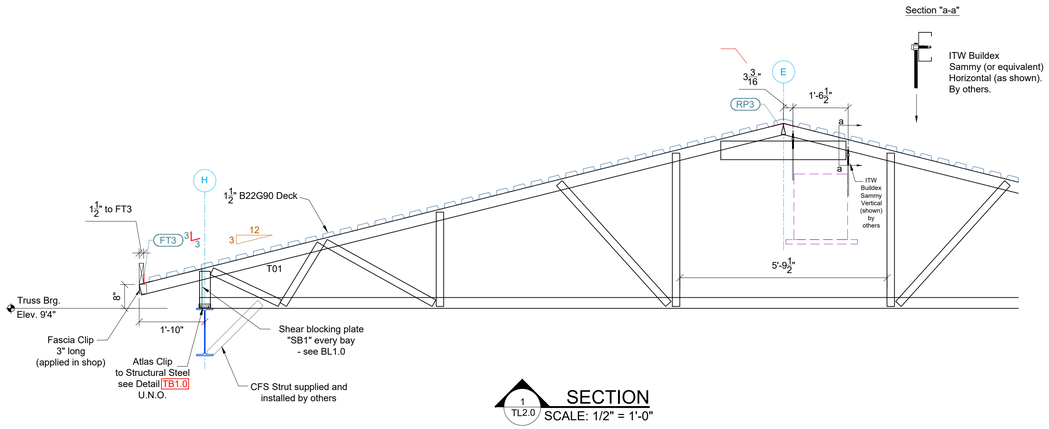
REVISIONS:

TruTek Job# 24188

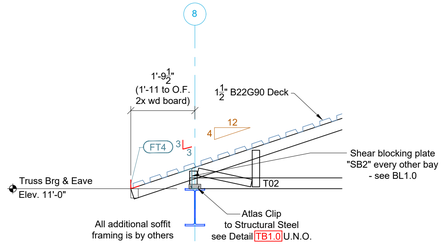
DRAWN BY: ADT

APPROVED BY: JM

SHEET: TL1.0



1 TL2.0 SECTION
SCALE: 1/2" = 1'-0"



2 TL2.0 SECTION
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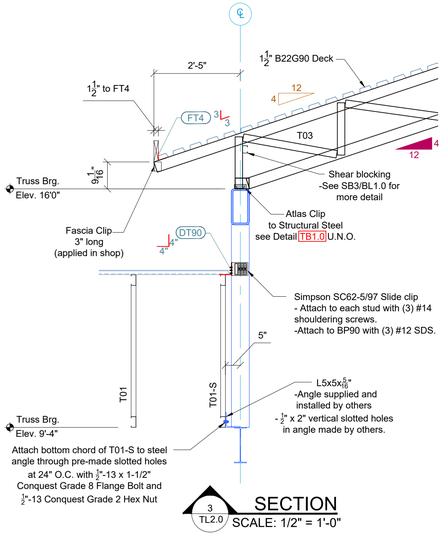

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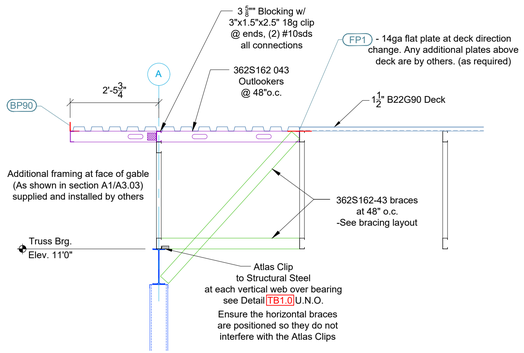
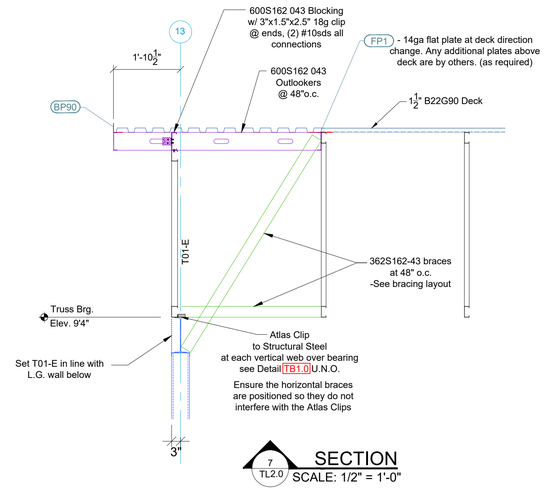


5 TL2.0 SECTION
SCALE: 1/2" = 1'-0"



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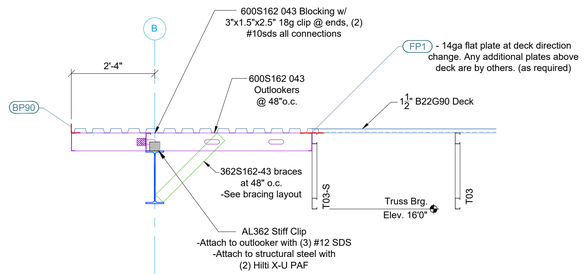
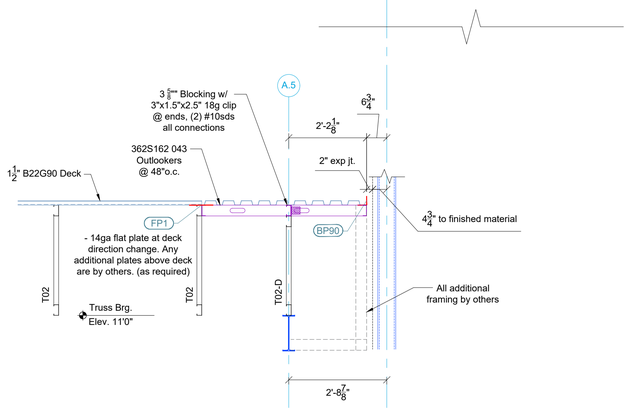
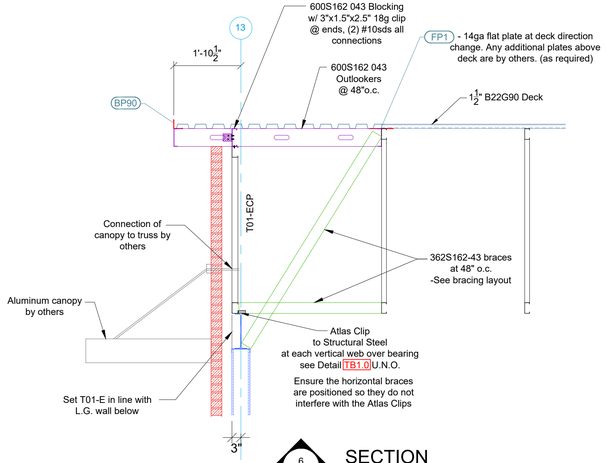
SCALE: 1/2" = 1'-0"

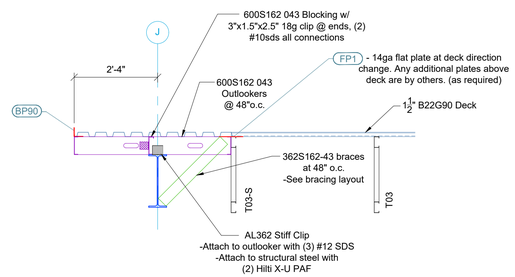




4 TL2.0 SECTION
SCALE: 1/2" = 1'-0"



6 TL2.0 SECTION
SCALE: 1/2" = 1'-0"



8 TL2.0 SECTION
SCALE: 1/2" = 1'-0"

JOB NAME: Jackson County Airport Terminal

LOCATION: Jefferson, GA

TruTek Framing Systems LLC

ISSUE DATE: 02/27/2025

REVISIONS:

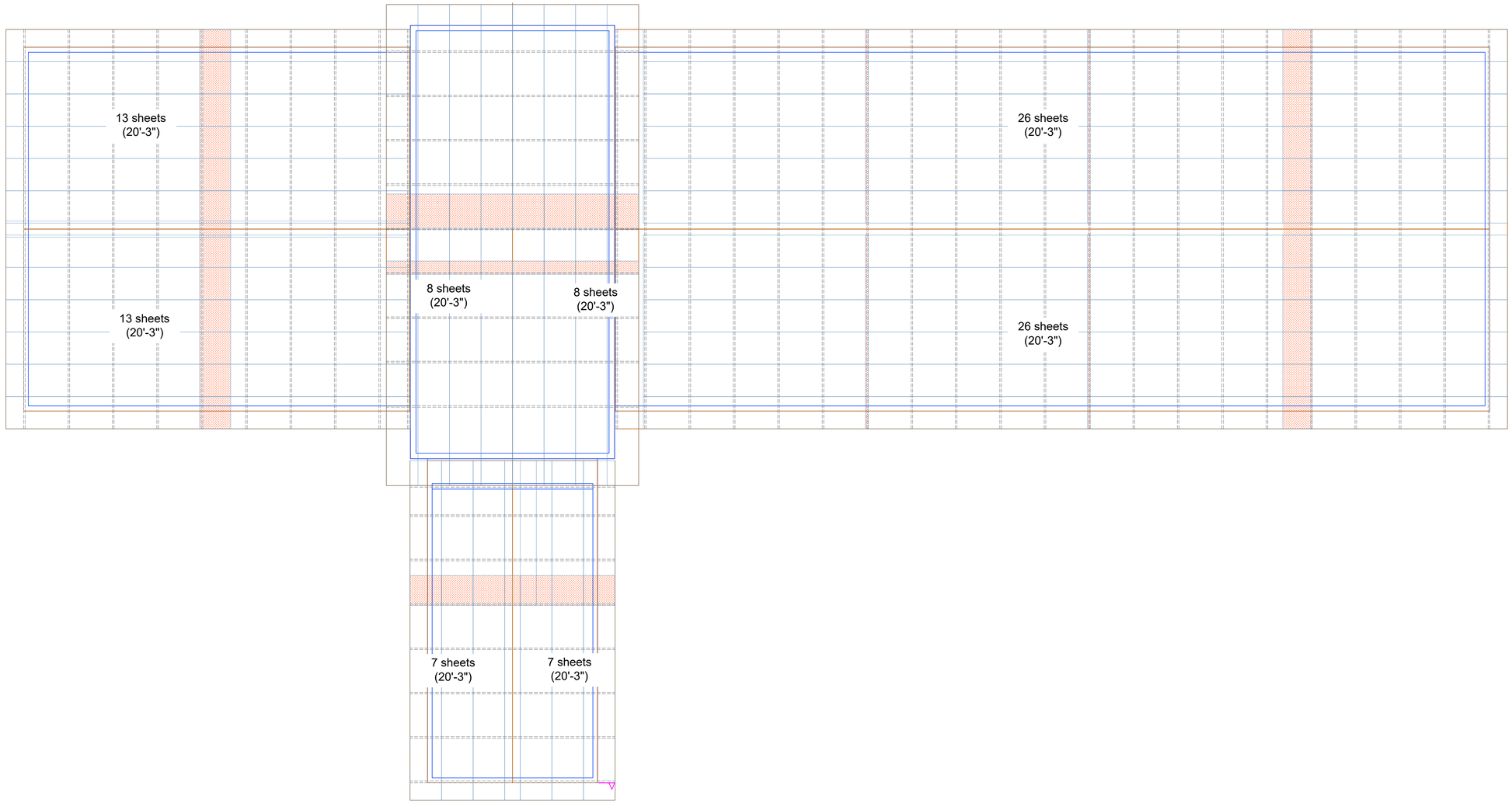
1	04/25/25

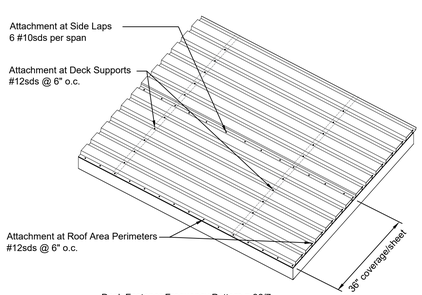
TruTek Job# 24188

DRAWN BY: ADT

APPROVED BY: JM

SHEET: TL2.0





Deck Fastener Frequency Pattern = 36/7

Roof Deck Attachment (per EOR)

(see "Metal Deck Cut-list" for type and gauge)

Metal Deck Layout Plan

All connections of Deck to roof framing to be per EOR's specifications.
(see Note F. under "Steel Roof Deck" notes on S0.03 summarized below)
#12sds at supports, #10sds at side laps (hex heads)
36/7 Pattern at supports, 6 connections per span at side laps, 6" o.c. at roof area edges. 1

Metal Deck Cut-List

QTY	Depth	Type	Ga.	Galv.	ksi	LENGTH
108	1.5"	B	22	G90	50	20'-3"

PAGE KEY

SHEET OF METAL DECK

TRUSS BELOW DECK

SPLICE/END LAP OF METAL DECK
(Splice Location For Illustration Purposes Only)

JOB NAME: Jackson County Airport Terminal

LOCATION: Jefferson, GA

TruTek Framing Systems LLC

ISSUE DATE: 02/27/25

REVISIONS:

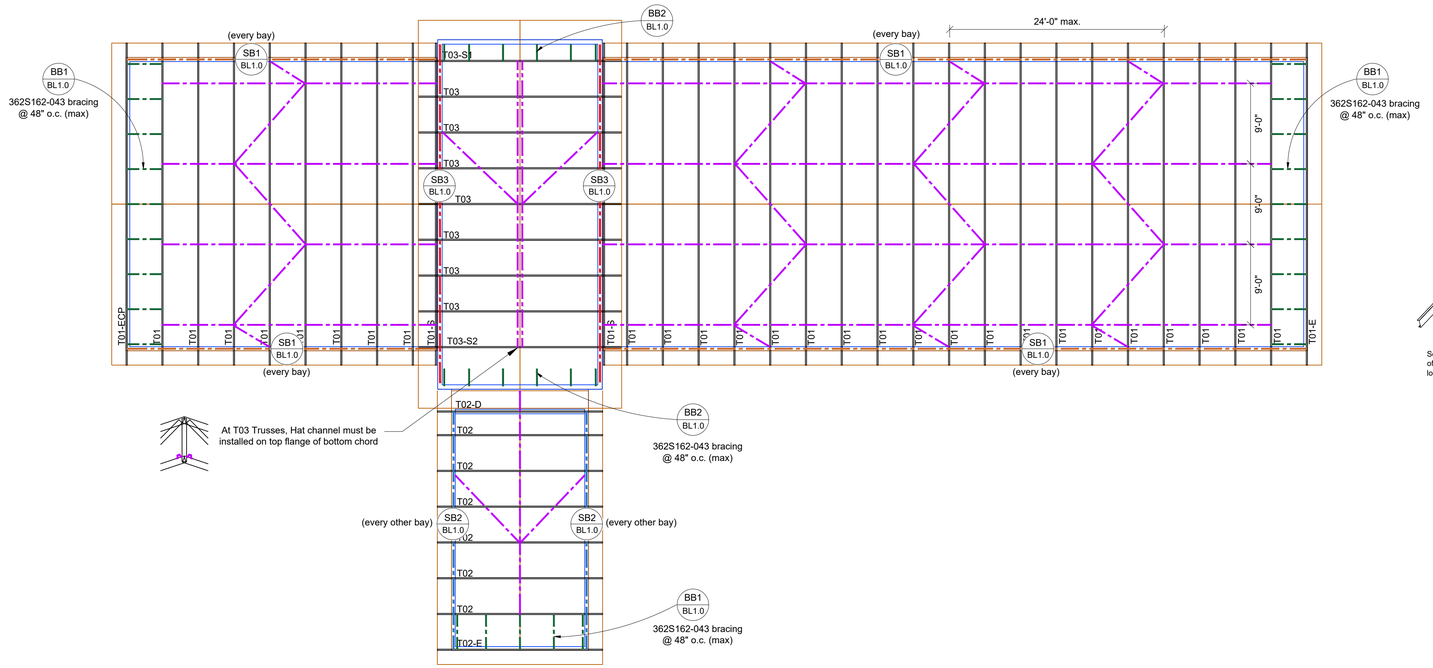
1	04/25/25

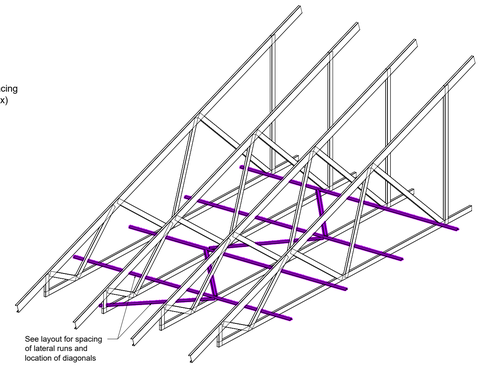
TruTek Job# 24188

DRAWN BY: ADT

APPROVED BY: JM

SHEET: TL3.0

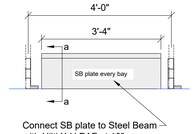




Bottom Chord Bracing

Bottom Chord Bracing Plan

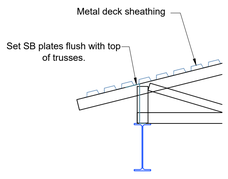
150F125-33 hat channel BC bracing



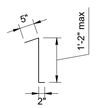
Connect SB plate to Steel Beam
with Hilti X-U PAF at 10" o.c.
(min. 4 fasteners)

SB1 BL1.0 Shear Blocking Detail

SB1 = actual plate



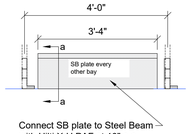
SECTION a-a



Bent Metal Specification:
097 mil, 50 ksi

Maximum Allowable Shear Transfer = 2,400 lbs per blocking plate

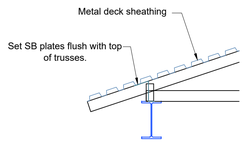
Evaluation of the load path due to lateral loads and the connection of the SB plates to the roof sheathing shall be the responsibility of a qualified Building Design Professional.



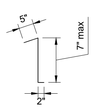
Connect SB plate to Steel Beam
with Hilti X-U PAF at 10" o.c.
(min. 4 fasteners)

SB2 BL1.0 Shear Blocking Detail

SB2 = actual plate



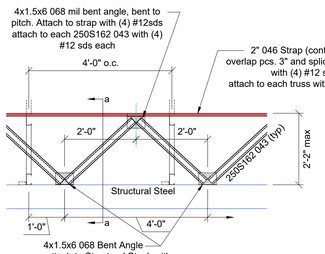
SECTION a-a



Bent Metal Specification:
054 mil, 50 ksi

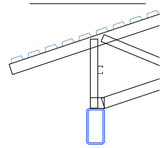
Maximum Allowable Shear Transfer = 600 lbs per blocking plate

Evaluation of the load path due to lateral loads and the connection of the SB plates to the roof sheathing shall be the responsibility of a qualified Building Design Professional.



SB3 BL1.0 Shear Blocking Detail

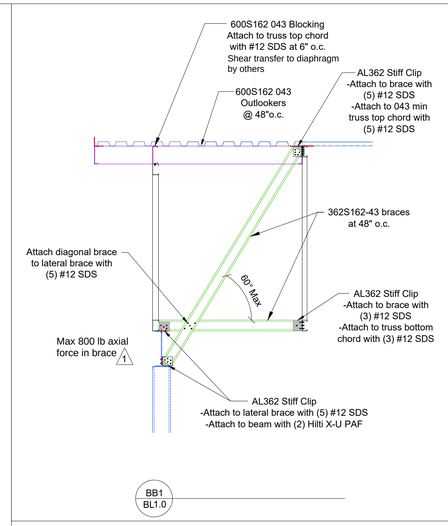
SECTION a-a

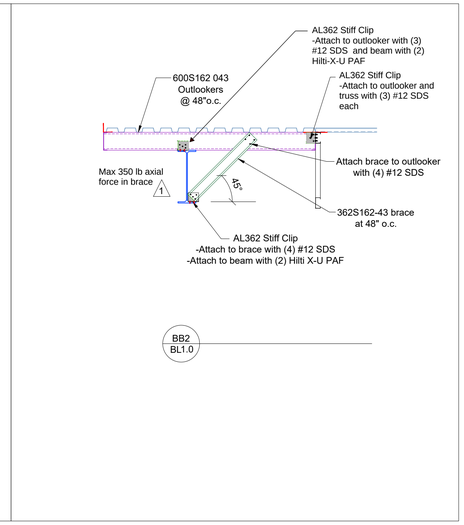


Screw Specifications:
Type: #12 Self Drilling
Min. Spacing = 5"

Maximum Allowable Wind Shear Transfer Force = 400 PLF

Evaluation of load path due to lateral loads shall be the responsibility of a qualified Building Design Professional.





General notes:
1. All bracing to be 150F125-33 unless otherwise indicated.
2. Attach all bracing with two #12 self-drilling screws unless otherwise indicated. (Attach to each ply of multi-ply trusses.)
3. Bracing shown is final permanent continuous lateral and diagonal bracing to reduce out of plane buckling lengths of web and chord members. [see individual truss design drawings for bracing locations.] The specification of construction bracing is the responsibility of the truss installer.
4. Intersections of the lateral and diagonal bracing shall be within 2".
5. Continuous lateral bracing runs may be accomplished by splicing. (Diagonal bracing may not be spliced) A splice must occur at a truss and may be accomplished by:
   5.a. Overlapping bracing 3".
   5.b. Side by side for 3"
6. All trusses to be installed as specified in AISI S240.

GEORGIA REGISTERED No. SE000784 STRUCTURAL ENGINEER MICHAEL A. PELLOCK

2/28/2025

FULL MOON ENGINEERING

JOB NAME: Jackson County Airport Terminal

LOCATION: Jefferson, GA

TruTek Framing Systems LLC

ISSUE DATE: 02/27/25

REVISIONS:	
1	04/25/25

TruTek Job# 24188

DRAWN BY: ADT

APPROVED BY: JM

SHEET: BL1.0

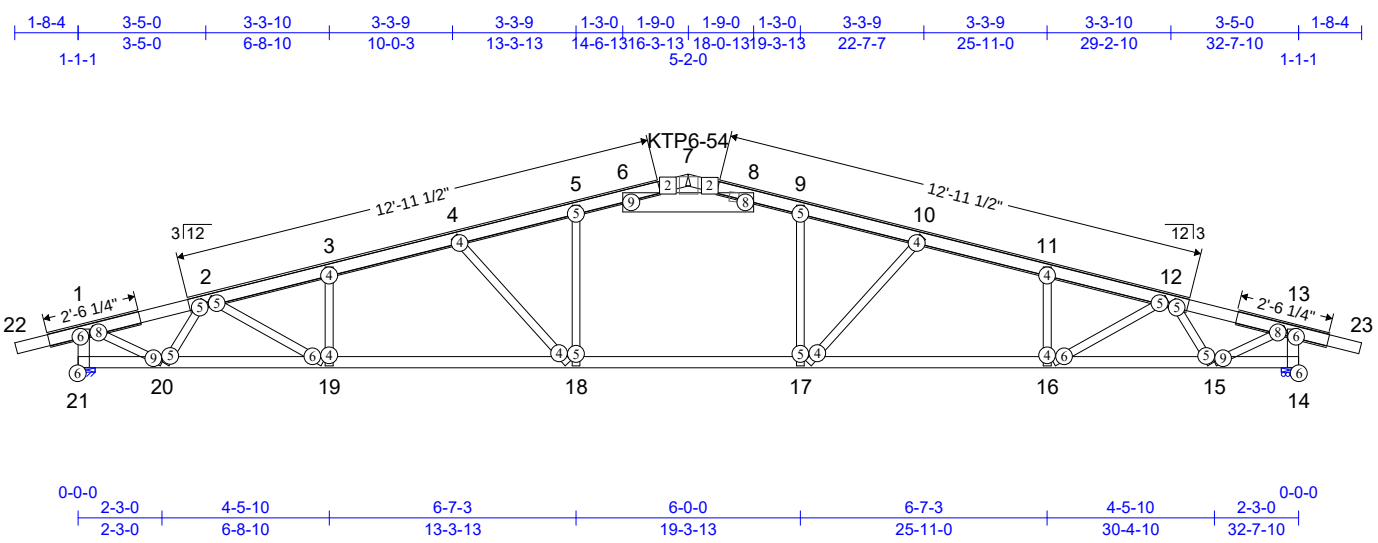
KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss: T01
JobName: 24188
JobID: Jackson County Airport
Date: 4/25/2025 12:37:51 PM
System: KeyTRUSS 6.113
Page: 1 of 2
Report: Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
32-7-10	3 /12	27	1-8-4	1-8-4	1	48 in	223.3 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC :	0.935 (5-6)
BC :	0.924 (17-18)
Web:	0.974 (6-8)

Deflection

TL:	0.59 in
LL:	0.42 in
Cant / OHTL:	0.1 in UP
Cant / OHLL:	0.07 in UP
Horz TL:	0.2 in

L/

	L / 646
	L / 911
	2L / 417
	2L / 587

(loc)

	(16-17)
	(16-17)
	13
	13
	23

Allowed

L / 240
L / 360
2L / 120
2L / 120

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz
21	Pin (WL)	1	5.5 in	4,912 lbs				679 lbs
14	HRoll (WL)	1	5.5 in	4,912 lbs				

Material Summary

TChd 362S162-68 (50 ksi) — TChd Bracing: Sheathed
BChd 362S162-68 (50 ksi) — BChd Bracing: 108 in
Webs 250S162-33 (50 ksi)

except:

1-21	362S162-54 (50 ksi)	2-20	250S162-43 (50 ksi)	12-15	250S162-43 (50 ksi)	13-14	362S162-54 (50 ksi)
1-20	250S162-54 (50 ksi)	6-8	600TRK162-68 (50 ksi)	13-15	250S162-54 (50 ksi)		

Bold lines indicate track reinforcement is required on the hard side of the cee. Track shall match gauge/depth of cee material.
Track shall be attached with fasteners through track into cee using:
1 row 12" o.c. through each flange minimum 3 fasteners per row
1 row 12" o.c. through the web minimum 3 fasteners per row
At truss joints, fasteners that connect webs to chords may be counted as track reinforcement fasteners.

GUSSET PLATES

Joint	Detail	Gusset	Ga
7	KTFP-1	KTP6	16 ga.

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 15 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
3) This truss has been designed for the effects of balanced, minimum and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 3 /12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Load Case Lr1: Std Live Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Proj	20 psf	20 psf	48 in
Bot	Cont		Down	Proj	30 psf	30 psf	48 in

Load Case D1: Std Dead Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Rake	12 psf	12 psf	48 in
Bot	Cont		Down	Rake	8 psf	8 psf	48 in

User-defined Load Case D2: Mech

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Rake	12 psf	12 psf	48 in
Bot	Cont		Down	Rake	8 psf	8 psf	48 in

Point Loads

Member	Location	Direction	Load	Trib Width
Top	16-7-0	Down	50 lbs	48 in
Top	18-1-8	Down	50 lbs	48 in
Top	14-6-2	Down	50 lbs	48 in
Top	16-0-10	Down	50 lbs	48 in

GEORGIA REGISTERED No. SE000784 STRUCTURAL ENGINEER MICHAEL A. PELLOCK

4/25/2025

Keymark Engineering, Inc.
6707 Winchester Circle, Suite 102
Boulder, Colorado 80301

KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss: T01
JobName: 24188
JobID: Jackson County Airport
Date: 4/25/2025 12:37:52 PM
System: KeyTRUSS 6.113
Page: 2 of 2
Report: Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
32-7-10	3 /12	27	1-8-4	1-8-4	1	48 in	223.3 lbs

User-defined Load Case W10: Beam_Brace_Right

Point Loads

Member	Location	Direction	Load	Trib Width
Bot	1-4-0	Right	566 lbs	48 in
Bot	1-4-0	Up	566 lbs	48 in
Bot	31-5-10	Right	566 lbs	48 in
Bot	31-5-10	Down	566 lbs	48 in

User-defined Load Case W11: Beam_Brace_Left

Point Loads

Member	Location	Direction	Load	Trib Width
Bot	1-4-0	Left	566 lbs	48 in
Bot	1-4-0	Down	566 lbs	48 in
Bot	31-5-10	Left	566 lbs	48 in
Bot	31-5-10	Up	566 lbs	48 in

Load Combinations

#	Load Combo	Factor
1	D1	1.000
2	D2	1.000
3	D1 + Lr1	1.000
4	D2 + Lr1	1.000
5	D1 + S1	1.000
6	D1 + S2	1.000
7	D1 + S3	1.000
8	D1 + S4	1.000
9	D2 + S1	1.000
10	D2 + S2	1.000
11	D2 + S3	1.000
12	D2 + S4	1.000
13	D1 + 0.6 W3	1.000
14	D1 + 0.6 W8	1.000
15	D1 + 0.6 W9	1.000
16	D1 + 0.6 W10	1.000
17	D1 + 0.6 W11	1.000
18	D2 + 0.6 W3	1.000
19	D2 + 0.6 W8	1.000
20	D2 + 0.6 W9	1.000
21	D2 + 0.6 W10	1.000
22	D2 + 0.6 W11	1.000
23	D1 + 0.45 W3 + 0.75 Lr1	1.000
24	D1 + 0.45 W10 + 0.75 Lr1	1.000
25	D1 + 0.45 W11 + 0.75 Lr1	1.000
26	D2 + 0.45 W3 + 0.75 Lr1	1.000
27	D2 + 0.45 W10 + 0.75 Lr1	1.000
28	D2 + 0.45 W11 + 0.75 Lr1	1.000
29	D1 + 0.45 W3 + 0.75 S1	1.000
30	D1 + 0.45 W3 + 0.75 S2	1.000
31	D1 + 0.45 W3 + 0.75 S3	1.000
32	D1 + 0.45 W3 + 0.75 S4	1.000
33	D1 + 0.45 W10 + 0.75 S1	1.000
34	D1 + 0.45 W10 + 0.75 S2	1.000
35	D1 + 0.45 W10 + 0.75 S3	1.000
36	D1 + 0.45 W10 + 0.75 S4	1.000
37	D1 + 0.45 W11 + 0.75 S1	1.000
38	D1 + 0.45 W11 + 0.75 S2	1.000
39	D1 + 0.45 W11 + 0.75 S3	1.000
40	D1 + 0.45 W11 + 0.75 S4	1.000
41	D2 + 0.45 W3 + 0.75 S1	1.000
42	D2 + 0.45 W3 + 0.75 S2	1.000
43	D2 + 0.45 W3 + 0.75 S3	1.000
44	D2 + 0.45 W3 + 0.75 S4	1.000
45	D2 + 0.45 W10 + 0.75 S1	1.000
46	D2 + 0.45 W10 + 0.75 S2	1.000
47	D2 + 0.45 W10 + 0.75 S3	1.000
48	D2 + 0.45 W10 + 0.75 S4	1.000
49	D2 + 0.45 W11 + 0.75 S1	1.000
50	D2 + 0.45 W11 + 0.75 S2	1.000
51	D2 + 0.45 W11 + 0.75 S3	1.000
52	D2 + 0.45 W11 + 0.75 S4	1.000
53	0.6 D1 + 0.6 W1	1.000
54	0.6 D1 + 0.6 W2	1.000
55	0.6 D1 + 0.6 W4	1.000
56	0.6 D1 + 0.6 W10	1.000
57	0.6 D1 + 0.6 W11	1.000
58	0.6 D2 + 0.6 W1	1.000
59	0.6 D2 + 0.6 W2	1.000
60	0.6 D2 + 0.6 W4	1.000
61	0.6 D2 + 0.6 W10	1.000
62	0.6 D2 + 0.6 W11	1.000

Member Forces Summary

Table indicates: Member ID, max CSI, max axial force, (max compr force if different from max axial force)

TChd	22-1	0.088	581 lbs	(0 lbs)	4-5	0.674	-9,289 lbs		8-9*	0.924	-8,730 lbs		12-13	0.860	-6,682 lbs				
	1-2	0.858	-6,682 lbs		5-6*	0.935	-8,730 lbs		9-10	0.674	-9,289 lbs		13-23	0.088	581 lbs	(0 lbs)			
	2-3	0.670	-10,090 lbs		6-7*	0.078	-389 lbs		10-11	0.673	-9,969 lbs								
	3-4	0.673	-9,969 lbs		7-8*	0.078	-389 lbs		11-12	0.670	-10,090 lbs								
BChd	14-15*	0.104	340 lbs	(-340 lbs)	16-17	0.903	9,695 lbs	(0 lbs)	18-19	0.903	9,695 lbs	(0 lbs)	20-21*	0.112	679 lbs	(-679 lbs)			
	15-16	0.712	8,135 lbs	(0 lbs)	17-18	0.924	8,876 lbs	(0 lbs)	19-20	0.712	8,134 lbs	(0 lbs)							
Webs	1-21	0.811	-4,797 lbs		3-19	0.067	-176 lbs		9-17	0.399	1,929 lbs	(0 lbs)	12-15	0.799	-3,092 lbs				
	1-20	0.898	7,206 lbs	(0 lbs)	4-18	0.858	-1,275 lbs		10-17	0.858	-1,275 lbs		13-15	0.898	7,206 lbs	(0 lbs)			
	2-20	0.799	-3,091 lbs		5-18	0.399	1,929 lbs	(0 lbs)	11-16	0.063	-167 lbs		13-14	0.811	-4,797 lbs				
	2-19	0.369	1,786 lbs	(-95 lbs)	6-8	0.974	-8,616 lbs		12-16	0.369	1,786 lbs	(-95 lbs)							

Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.
** WARNING : Web crippling prevention device required!

Keymark Engineering, Inc.
6707 Winchester Circle, Suite 102
Boulder, Colorado 80301

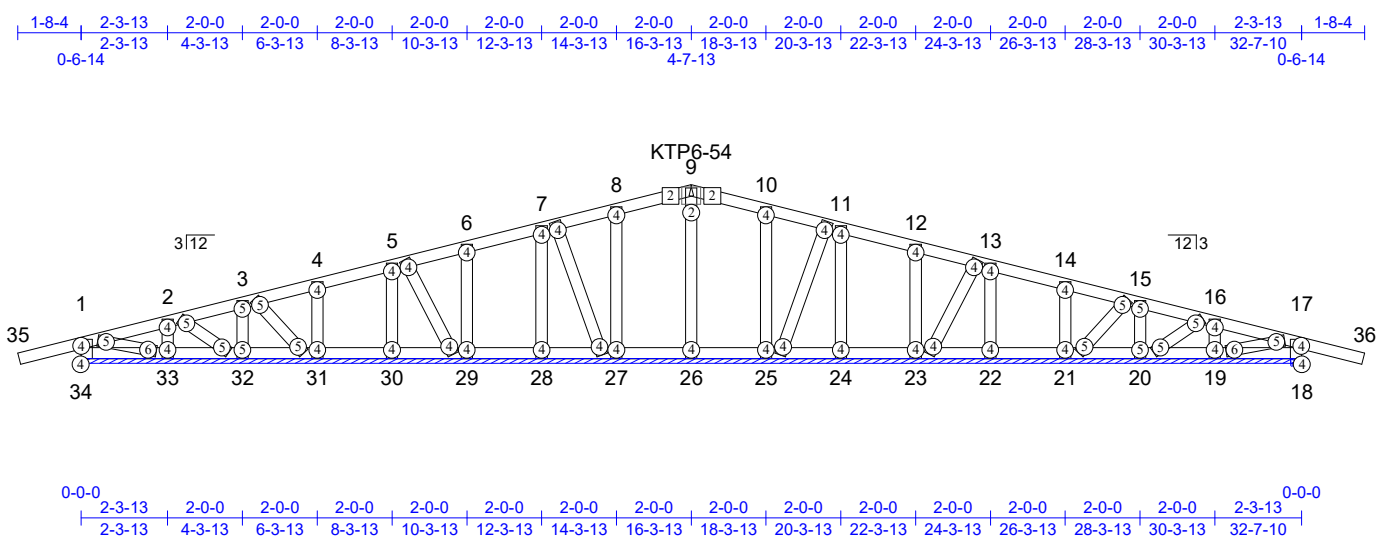
KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss:	T01-E
JobName:	24188
JobID:	Jackson County Airport
Date:	2/28/2025 6:50:45 AM
System:	KeyTRUSS 6.113
Page:	1 of 2
Report:	Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
32-7-10	3 /12	1	1-8-4	1-8-4	1	48 in	222.8 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC : 0.414 (3-4)
BC : 0.421 (21)
Web: 0.264 (17-18)

Deflection	L/	(loc)	Allowed
TL: 0.01 in	L / 999	5	L / 240
LL: 0.01 in UP	L / 999	5	L / 360
Cant / OHTL: 0.02 in	2L / 999	36	2L / 180
Cant / OHLL: 0.01 in	2L / 999	36	2L / 180
Horz TL: 0.02 in		9	

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz
18	HRoll (WL)	1	3.625 in	287 lbs				
19	HRoll (WL)	1	3.625 in	809 lbs	-527 lbs	-351 lbs	-527 lbs	
20	HRoll (WL)	1	3.625 in	633 lbs	-305 lbs	-203 lbs	-305 lbs	
21	HRoll (WL)	1	3.625 in	980 lbs	-648 lbs	-458 lbs	-648 lbs	
22	HRoll (WL)	1	3.625 in	1,141 lbs	-840 lbs	-602 lbs	-840 lbs	
23	HRoll (WL)	1	3.625 in	1,010 lbs	-662 lbs	-468 lbs	-662 lbs	
24	HRoll (WL)	1	3.625 in	929 lbs	-643 lbs	-456 lbs	-643 lbs	
25	HRoll (WL)	1	3.625 in	859 lbs	-476 lbs	-325 lbs	-476 lbs	
26	HRoll (WL)	1	3.625 in	282 lbs				
27	HRoll (WL)	1	3.625 in	859 lbs	-476 lbs	-325 lbs	-476 lbs	
28	HRoll (WL)	1	3.625 in	929 lbs	-643 lbs	-455 lbs	-643 lbs	
29	HRoll (WL)	1	3.625 in	1,011 lbs	-662 lbs	-468 lbs	-662 lbs	
30	HRoll (WL)	1	3.625 in	1,142 lbs	-841 lbs	-603 lbs	-841 lbs	
31	HRoll (WL)	1	3.625 in	984 lbs	-653 lbs	-461 lbs	-653 lbs	
32	HRoll (WL)	1	3.625 in	645 lbs	-314 lbs	-211 lbs	-314 lbs	
33	HRoll (WL)	1	3.625 in	748 lbs	-478 lbs	-310 lbs	-478 lbs	
34	Pin (WL)	1	3.625 in	1,027 lbs	-565 lbs	-443 lbs	-565 lbs	108 lbs
18	HRoll (WL)	1	3.5 in	707 lbs	-558 lbs	-472 lbs	-558 lbs	

GUSSET PLATES

Joint	Detail	Gusset	Ga
9	KTFP-1	KTP6	16 ga.

Material Summary

TChd	362S200-54 (50 ksi)
BChd	362S200-54 (50 ksi)
Webs	362S200-54 (50 ksi)

TChd Bracing: 48 in
BChd Bracing: 108 in

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 15 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
3) This truss has been designed for the effects of balanced, minimum and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 3 /12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Load Case Lr1: Std Live Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Proj	20 psf	20 psf	48 in
Bot	Cont		Down	Proj	0 psf	0 psf	48 in

Load Case D1: Std Dead Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Rake	12 psf	12 psf	48 in
Bot	Cont		Down	Rake	8 psf	8 psf	48 in

User-defined Load Case L1: Drag_Right

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PRight	Rake	300 plf	300 plf	
Bot	Cont		PLeft	Rake	330 plf	330 plf	

2/28/2025

Keymark Engineering, Inc.
6707 Winchester Circle, Suite 102
Boulder, Colorado 80301

KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss: T01-E
JobName: 24188
JobID: Jackson County Airport
Date: 2/28/2025 6:50:46 AM
System: KeyTRUSS 6.113
Page: 2 of 2
Report: Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
32-7-10	3 /12	1	1-8-4	1-8-4	1	48 in	222.8 lbs

User-defined Load Case L2: Drag_Left

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PLeft	Rake	300 plf	300 plf	
Bot	Cont		PRight	Rake	330 plf	330 plf	

Load Combinations

#	Load Combo	Factor
1	D1	1.000
2	D1 + L1	1.000
3	D1 + L2	1.000
4	D1 + Lr1	1.000
5	D1 + S1	1.000
6	D1 + S2	1.000
7	D1 + S3	1.000
8	D1 + S4	1.000
9	D1 + 0.75 L1 + 0.75 Lr1	1.000
10	D1 + 0.75 L2 + 0.75 Lr1	1.000
11	D1 + 0.75 L1 + 0.75 S1	1.000
12	D1 + 0.75 L1 + 0.75 S2	1.000
13	D1 + 0.75 L1 + 0.75 S3	1.000
14	D1 + 0.75 L1 + 0.75 S4	1.000
15	D1 + 0.75 L2 + 0.75 S1	1.000
16	D1 + 0.75 L2 + 0.75 S2	1.000
17	D1 + 0.75 L2 + 0.75 S3	1.000
18	D1 + 0.75 L2 + 0.75 S4	1.000
19	D1 + 0.6 W3	1.000
20	D1 + 0.6 W8	1.000
21	D1 + 0.6 W9	1.000
22	D1 + 0.45 W3 + 0.75 L1 + 0.75 Lr1	1.000
23	D1 + 0.45 W3 + 0.75 L2 + 0.75 Lr1	1.000
24	D1 + 0.45 W3 + 0.75 L1 + 0.75 S1	1.000
25	D1 + 0.45 W3 + 0.75 L1 + 0.75 S2	1.000
26	D1 + 0.45 W3 + 0.75 L1 + 0.75 S3	1.000
27	D1 + 0.45 W3 + 0.75 L1 + 0.75 S4	1.000
28	D1 + 0.45 W3 + 0.75 L2 + 0.75 S1	1.000
29	D1 + 0.45 W3 + 0.75 L2 + 0.75 S2	1.000
30	D1 + 0.45 W3 + 0.75 L2 + 0.75 S3	1.000
31	D1 + 0.45 W3 + 0.75 L2 + 0.75 S4	1.000
32	0.6 D1 + 0.6 W1	1.000
33	0.6 D1 + 0.6 W2	1.000
34	0.6 D1 + 0.6 W4	1.000

Member Forces Summary

Table indicates: Member ID, max CSI, max axial force, (max compr force if different from max axial force)

TChd	35-1	0.183	591 lbs	(-546 lbs)	5-6	0.410	-1,952 lbs		10-11	0.290	1,068 lbs	(-1,059 lbs)	15-16	0.366	-2,080 lbs	
	1-2	0.186	-1,494 lbs		6-7	0.232	-1,507 lbs		11-12	0.230	-1,493 lbs		16-17	0.172	-1,491 lbs	
	2-3	0.371	-2,089 lbs		7-8	0.292	1,081 lbs	(-1,072 lbs)	12-13	0.408	-1,938 lbs		17-36	0.183	591 lbs	(-546 lbs)
	3-4	0.414	-2,587 lbs		8-9	0.141	-637 lbs		13-14	0.271	-2,095 lbs					
	4-5	0.272	-2,109 lbs		9-10	0.140	-623 lbs		14-15	0.413	-2,573 lbs					
BChd	18-19	0.111	-809 lbs		22-23	0.302	1,685 lbs	(-1,676 lbs)	26-27	0.177	-662 lbs		30-31	0.317	2,324 lbs	(-2,316 lbs)
	19-20	0.168	1,295 lbs	(-1,272 lbs)	23-24	0.282	-1,640 lbs		27-28	0.203	-960 lbs		31-32	0.328	1,919 lbs	(-1,902 lbs)
	20-21	0.332	1,943 lbs	(-1,925 lbs)	24-25	0.205	-980 lbs		28-29	0.280	-1,620 lbs		32-33	0.172	1,261 lbs	(-1,241 lbs)
	21-22	0.318	2,345 lbs	(-2,336 lbs)	25-26	0.179	-682 lbs		29-30	0.300	1,664 lbs	(-1,656 lbs)	33-34	0.129	-706 lbs	
Webs	1-34	0.256	-920 lbs		5-30	0.181	-1,230 lbs		10-25	0.072	-416 lbs		15-21	0.229	-1,589 lbs	
	1-33	0.184	1,386 lbs	(-1,272 lbs)	5-29	0.207	-1,363 lbs		11-25	0.183	-1,079 lbs		15-20	0.229	-1,621 lbs	
	2-33	0.152	-1,096 lbs		6-29	0.059	-390 lbs		11-24	0.154	-948 lbs		16-20	0.227	-1,589 lbs	
	2-32	0.228	-1,599 lbs		7-28	0.154	-948 lbs		12-23	0.059	-390 lbs		16-19	0.154	-1,104 lbs	
	3-32	0.230	-1,631 lbs		7-27	0.183	-1,078 lbs		13-23	0.207	-1,363 lbs		17-19	0.173	1,292 lbs	(-1,198 lbs)
	3-31	0.230	-1,592 lbs		8-27	0.072	-416 lbs		13-22	0.181	-1,230 lbs		17-18	0.264	-892 lbs	
	4-31	0.046	-318 lbs		9-26	0.044	-232 lbs		14-21	0.046	-318 lbs					

Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.

Keymark Engineering, Inc.
6707 Winchester Cricle, Suite 102
Boulder, Colorado 80301

KEYMARK GLOBAL STEEL SYSTEMS

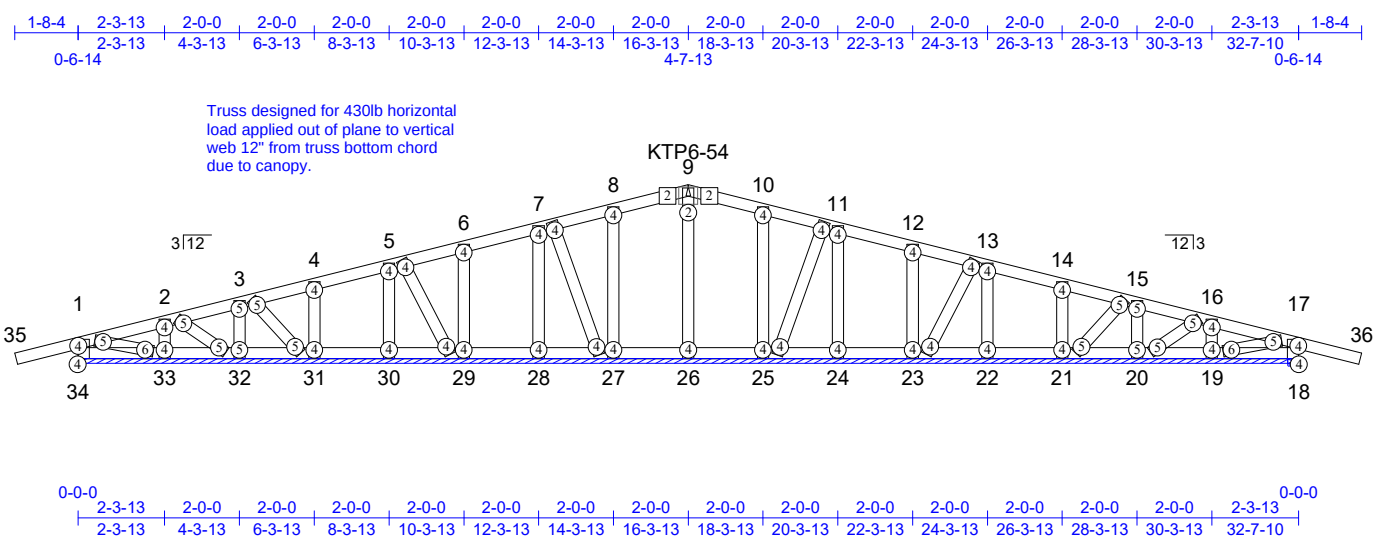
GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems

4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss:	T01-ECP
JobName:	24188
JobID:	Jackson County Airport
Date:	2/28/2025 6:51:06 AM
System:	KeyTRUSS 6.113
Page:	1 of 2
Report:	Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
32-7-10	3 /12	1	1-8-4	1-8-4	1	48 in	222.8 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC : 0.414 (3-4)
BC : 0.421 (21)
Web: 0.264 (17-18)

Deflection	L/	(loc)	Allowed
TL: 0.01 in	L / 999	5	L / 240
LL: 0.01 in UP	L / 999	5	L / 360
Cant / OHTL: 0.02 in	2L / 999	36	2L / 180
Cant / OHLL: 0.01 in	2L / 999	36	2L / 180
Horz TL: 0.02 in		9	

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz
18	HRoll (WL)	1	3.625 in	287 lbs				
19	HRoll (WL)	1	3.625 in	809 lbs	-527 lbs	-351 lbs	-527 lbs	
20	HRoll (WL)	1	3.625 in	633 lbs	-305 lbs	-203 lbs	-305 lbs	
21	HRoll (WL)	1	3.625 in	980 lbs	-648 lbs	-458 lbs	-648 lbs	
22	HRoll (WL)	1	3.625 in	1,141 lbs	-840 lbs	-602 lbs	-840 lbs	
23	HRoll (WL)	1	3.625 in	1,010 lbs	-662 lbs	-468 lbs	-662 lbs	
24	HRoll (WL)	1	3.625 in	929 lbs	-643 lbs	-456 lbs	-643 lbs	
25	HRoll (WL)	1	3.625 in	859 lbs	-476 lbs	-325 lbs	-476 lbs	
26	HRoll (WL)	1	3.625 in	282 lbs				
27	HRoll (WL)	1	3.625 in	859 lbs	-476 lbs	-325 lbs	-476 lbs	
28	HRoll (WL)	1	3.625 in	929 lbs	-643 lbs	-455 lbs	-643 lbs	
29	HRoll (WL)	1	3.625 in	1,011 lbs	-662 lbs	-468 lbs	-662 lbs	
30	HRoll (WL)	1	3.625 in	1,142 lbs	-841 lbs	-603 lbs	-841 lbs	
31	HRoll (WL)	1	3.625 in	984 lbs	-653 lbs	-461 lbs	-653 lbs	
32	HRoll (WL)	1	3.625 in	645 lbs	-314 lbs	-211 lbs	-314 lbs	
33	HRoll (WL)	1	3.625 in	748 lbs	-478 lbs	-310 lbs	-478 lbs	
34	Pin (WL)	1	3.625 in	1,027 lbs	-565 lbs	-443 lbs	-565 lbs	108 lbs
18	HRoll (WL)	1	3.5 in	707 lbs	-558 lbs	-472 lbs	-558 lbs	

GUSSET PLATES

Joint	Detail	Gusset	Ga
9	KTFP-1	KTP6	16 ga.

Material Summary

TChd	362S200-54 (50 ksi)
BChd	362S200-54 (50 ksi)
Webs	362S200-54 (50 ksi)

TChd Bracing: 48 in
BChd Bracing: 108 in

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 15 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
3) This truss has been designed for the effects of balanced, minimum and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 3 /12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Load Case Lr1: Std Live Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Proj	20 psf	20 psf	48 in
Bot	Cont		Down	Proj	0 psf	0 psf	48 in

Load Case D1: Std Dead Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Rake	12 psf	12 psf	48 in
Bot	Cont		Down	Rake	8 psf	8 psf	48 in

User-defined Load Case L1: Drag_Right

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PRight	Rake	300 plf	300 plf	
Bot	Cont		PLeft	Rake	330 plf	330 plf	

GEORGIA REGISTERED No. SE000784 STRUCTURAL ENGINEER MICHAEL A. PELLOCK

2/28/2025

Keymark Engineering, Inc.
6707 Winchester Circle, Suite 102
Boulder, Colorado 80301

KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss:	T01-ECP
JobName:	24188
JobID:	Jackson County Airport
Date:	2/28/2025 6:51:06 AM
System:	KeyTRUSS 6.113
Page:	2 of 2
Report:	Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
32-7-10	3 /12	1	1-8-4	1-8-4	1	48 in	222.8 lbs

User-defined Load Case L2: Drag_Left

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PLeft	Rake	300 plf	300 plf	
Bot	Cont		PRight	Rake	330 plf	330 plf	

Load Combinations

#	Load Combo	Factor
1	D1	1.000
2	D1 + L1	1.000
3	D1 + L2	1.000
4	D1 + Lr1	1.000
5	D1 + S1	1.000
6	D1 + S2	1.000
7	D1 + S3	1.000
8	D1 + S4	1.000
9	D1 + 0.75 L1 + 0.75 Lr1	1.000
10	D1 + 0.75 L2 + 0.75 Lr1	1.000
11	D1 + 0.75 L1 + 0.75 S1	1.000
12	D1 + 0.75 L1 + 0.75 S2	1.000
13	D1 + 0.75 L1 + 0.75 S3	1.000
14	D1 + 0.75 L1 + 0.75 S4	1.000
15	D1 + 0.75 L2 + 0.75 S1	1.000
16	D1 + 0.75 L2 + 0.75 S2	1.000
17	D1 + 0.75 L2 + 0.75 S3	1.000
18	D1 + 0.75 L2 + 0.75 S4	1.000
19	D1 + 0.6 W3	1.000
20	D1 + 0.6 W8	1.000
21	D1 + 0.6 W9	1.000
22	D1 + 0.45 W3 + 0.75 L1 + 0.75 Lr1	1.000
23	D1 + 0.45 W3 + 0.75 L2 + 0.75 Lr1	1.000
24	D1 + 0.45 W3 + 0.75 L1 + 0.75 S1	1.000
25	D1 + 0.45 W3 + 0.75 L1 + 0.75 S2	1.000
26	D1 + 0.45 W3 + 0.75 L1 + 0.75 S3	1.000
27	D1 + 0.45 W3 + 0.75 L1 + 0.75 S4	1.000
28	D1 + 0.45 W3 + 0.75 L2 + 0.75 S1	1.000
29	D1 + 0.45 W3 + 0.75 L2 + 0.75 S2	1.000
30	D1 + 0.45 W3 + 0.75 L2 + 0.75 S3	1.000
31	D1 + 0.45 W3 + 0.75 L2 + 0.75 S4	1.000
32	0.6 D1 + 0.6 W1	1.000
33	0.6 D1 + 0.6 W2	1.000
34	0.6 D1 + 0.6 W4	1.000

Member Forces Summary

Table indicates: Member ID, max CSI, max axial force, (max compr force if different from max axial force)

TChd	35-1	0.183	591 lbs	(-546 lbs)	5-6	0.410	-1,952 lbs		10-11	0.290	1,068 lbs	(-1,059 lbs)	15-16	0.366	-2,080 lbs	
	1-2	0.186	-1,494 lbs		6-7	0.232	-1,507 lbs		11-12	0.230	-1,493 lbs		16-17	0.172	-1,491 lbs	
	2-3	0.371	-2,089 lbs		7-8	0.292	1,081 lbs	(-1,072 lbs)	12-13	0.408	-1,938 lbs		17-36	0.183	591 lbs	(-546 lbs)
	3-4	0.414	-2,587 lbs		8-9	0.141	-637 lbs		13-14	0.271	-2,095 lbs					
	4-5	0.272	-2,109 lbs		9-10	0.140	-623 lbs		14-15	0.413	-2,573 lbs					
BChd	18-19	0.111	-809 lbs		22-23	0.302	1,685 lbs	(-1,676 lbs)	26-27	0.177	-662 lbs		30-31	0.317	2,324 lbs	(-2,316 lbs)
	19-20	0.168	1,295 lbs	(-1,272 lbs)	23-24	0.282	-1,640 lbs		27-28	0.203	-960 lbs		31-32	0.328	1,919 lbs	(-1,902 lbs)
	20-21	0.332	1,943 lbs	(-1,925 lbs)	24-25	0.205	-980 lbs		28-29	0.280	-1,620 lbs		32-33	0.172	1,261 lbs	(-1,241 lbs)
	21-22	0.318	2,345 lbs	(-2,336 lbs)	25-26	0.179	-682 lbs		29-30	0.300	1,664 lbs	(-1,656 lbs)	33-34	0.129	-706 lbs	
Webs	1-34	0.256	-920 lbs		5-30	0.181	-1,230 lbs		10-25	0.072	-416 lbs		15-21	0.229	-1,589 lbs	
	1-33	0.184	1,386 lbs	(-1,272 lbs)	5-29	0.207	-1,363 lbs		11-25	0.183	-1,079 lbs		15-20	0.229	-1,621 lbs	
	2-33	0.152	-1,096 lbs		6-29	0.059	-390 lbs		11-24	0.154	-948 lbs		16-20	0.227	-1,589 lbs	
	2-32	0.228	-1,599 lbs		7-28	0.154	-948 lbs		12-23	0.059	-390 lbs		16-19	0.154	-1,104 lbs	
	3-32	0.230	-1,631 lbs		7-27	0.183	-1,078 lbs		13-23	0.207	-1,363 lbs		17-19	0.173	1,292 lbs	(-1,198 lbs)
	3-31	0.230	-1,592 lbs		8-27	0.072	-416 lbs		13-22	0.181	-1,230 lbs		17-18	0.264	-892 lbs	
	4-31	0.046	-318 lbs		9-26	0.044	-232 lbs		14-21	0.046	-318 lbs					

Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.

Keymark Engineering, Inc.
6707 Winchester Circle, Suite 102
Boulder, Colorado 80301

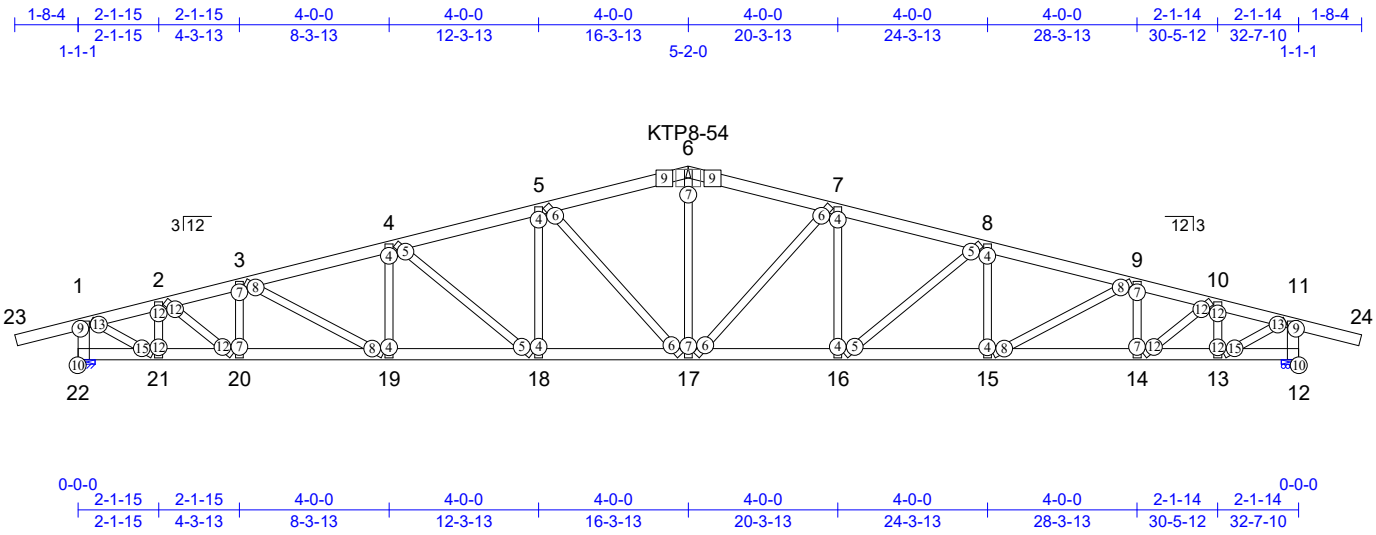
KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss: T01-S
JobName: 24188
JobID: Jackson County Airport
Date: 2/27/2025 10:06:49 AM
System: KeyTRUSS 6.113
Page: 1 of 2
Report: Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
32-7-10	3/12	2	1-8-4	1-8-4	1	36 in	149.5 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC:	0.999 (1)
BC:	0.907 (13)
Web:	0.955 (7-17)

Deflection

TL:	0.4 in
LL:	0.19 in
Cant / OHTL:	0.04 in
Cant / OHLL:	0.01 in
Horz TL:	0.13 in

L/

	L / 956
	L / 999
	2L / 999
	2L / 999

(loc)

	(16-17)
	(5-6)
	24
	24
	13

Allowed

	L / 240
	L / 360
	2L / 180
	2L / 180

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz
22	Pin (WL)	1	5.5 in	3,332 lbs			-1,313 lbs	628 lbs
12	HRoll (WL)	1	5.5 in	3,332 lbs			-1,313 lbs	

Material Summary

TChd	362S162-54 (50 ksi)			TChd Bracing:	Sheathed
BChd	362S162-43 (50 ksi)			BChd Bracing:	108 in
Webs	250S162-33 (50 ksi)	except:			
1-22	362S162-68 (50 ksi)	1-21	250S162-54 (50 ksi)	11-13	250S162-54 (50 ksi)
11-12	362S162-68 (50 ksi)				

GUSSET PLATES

Joint	Detail	Gusset	Ga
6	KTFP-1	KTP8	16 ga.

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 15 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
3) This truss has been designed for the effects of balanced, minimum and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 3/12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Load Case Lr1: Std Live Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Proj	20 psf	20 psf	36 in
Bot	Cont		Down	Proj	0 psf	0 psf	36 in

Load Case D1: Std Dead Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Rake	12 psf	12 psf	36 in
Bot	Cont		Down	Rake	8 psf	8 psf	36 in

User-defined Load Case W10: Drag Left

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PLeft	Rake	600 plf	600 plf	
Bot	Cont		PRight	Rake	630 plf	630 plf	

User-defined Load Case W11: Drag Right

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PRight	Rake	600 plf	600 plf	
Bot	Cont		PLeft	Rake	630 plf	630 plf	

Load Combinations

#	Load Combo	Factor
1	D1	1.000
2	D1 + Lr1	1.000
3	D1 + S1	1.000
4	D1 + S2	1.000
5	D1 + S3	1.000
6	D1 + S4	1.000
7	D1 + 0.6 W3	1.000
8	D1 + 0.6 W8	1.000

2/28/2025

Keymark Engineering, Inc.
6707 Winchester Circle, Suite 102
Boulder, Colorado 80301

KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss:	T01-S
JobName:	24188
JobID:	Jackson County Airport
Date:	2/27/2025 10:06:50 AM
System:	KeyTRUSS 6.113
Page:	2 of 2
Report:	Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
32-7-10	3 /12	2	1-8-4	1-8-4	1	36 in	149.5 lbs

9	D1 + 0.6 W9	1.000
10	D1 + 0.6 W10	1.000
11	D1 + 0.6 W11	1.000
12	D1 + 0.45 W3 + 0.75 Lr1	1.000
13	D1 + 0.45 W10 + 0.75 Lr1	1.000
14	D1 + 0.45 W11 + 0.75 Lr1	1.000
15	D1 + 0.45 W3 + 0.75 S1	1.000
16	D1 + 0.45 W3 + 0.75 S2	1.000
17	D1 + 0.45 W3 + 0.75 S3	1.000
18	D1 + 0.45 W3 + 0.75 S4	1.000
19	D1 + 0.45 W10 + 0.75 S1	1.000
20	D1 + 0.45 W10 + 0.75 S2	1.000
21	D1 + 0.45 W10 + 0.75 S3	1.000
22	D1 + 0.45 W10 + 0.75 S4	1.000
23	D1 + 0.45 W11 + 0.75 S1	1.000
24	D1 + 0.45 W11 + 0.75 S2	1.000
25	D1 + 0.45 W11 + 0.75 S3	1.000
26	D1 + 0.45 W11 + 0.75 S4	1.000
27	0.6 D1 + 0.6 W1	1.000
28	0.6 D1 + 0.6 W2	1.000
29	0.6 D1 + 0.6 W4	1.000
30	0.6 D1 + 0.6 W10	1.000
31	0.6 D1 + 0.6 W11	1.000

Member Forces Summary

Table indicates: Member ID, max CSI, max axial force, (max compr force if different from max axial force)

TChd	23-1	0.158	699 lbs	(-672 lbs)	3-4	0.947	-6,334 lbs		6-7	0.597	-4,034 lbs		9-10	0.758	-5,565 lbs		
	1-2	0.899	-3,969 lbs		4-5	0.755	-5,382 lbs		7-8	0.757	-5,381 lbs		10-11	0.898	-3,961 lbs		
	2-3	0.754	-5,572 lbs		5-6	0.599	-4,034 lbs		8-9	0.951	-6,332 lbs		11-24	0.158	699 lbs	(-672 lbs)	
BChd	12-13	0.247	748 lbs	(-748 lbs)	15-16	0.581	5,431 lbs	(-1,151 lbs)	18-19	0.535	4,962 lbs	(-525 lbs)	21-22	0.351	-1,376 lbs		
	13-14	0.692	3,887 lbs	(-1,329 lbs)	16-17	0.454	4,453 lbs	(-327 lbs)	19-20	0.614	4,824 lbs	(-961 lbs)					
	14-15	0.664	5,289 lbs	(-1,581 lbs)	17-18	0.408	3,984 lbs	(0 lbs)	20-21	0.642	3,425 lbs	(-714 lbs)					
Webs	1-22	0.430	-3,374 lbs		4-19	0.255	630 lbs	(-622 lbs)	7-16	0.188	720 lbs	(-356 lbs)	10-13	0.887	-2,599 lbs		
	1-21	0.642	5,149 lbs	(-2,464 lbs)	4-18	0.679	-975 lbs		8-16	0.679	-975 lbs		11-13	0.640	5,139 lbs	(-2,450 lbs)	
	2-21	0.888	-2,601 lbs		5-18	0.187	718 lbs	(-354 lbs)	8-15	0.256	632 lbs	(-623 lbs)	11-12	0.430	-3,370 lbs		
	2-20	0.531	2,568 lbs	(-1,358 lbs)	5-17	0.953	-1,108 lbs		9-15	0.729	1,603 lbs	(-1,222 lbs)					
	3-20	0.480	-1,342 lbs		6-17	0.275	1,332 lbs	(0 lbs)	9-14	0.481	-1,346 lbs						
	3-19	0.724	1,596 lbs	(-1,215 lbs)	7-17	0.955	-1,110 lbs		10-14	0.532	2,571 lbs	(-1,363 lbs)					

Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.

Keymark Engineering, Inc.
6707 Winchester Cricle, Suite 102
Boulder, Colorado 80301

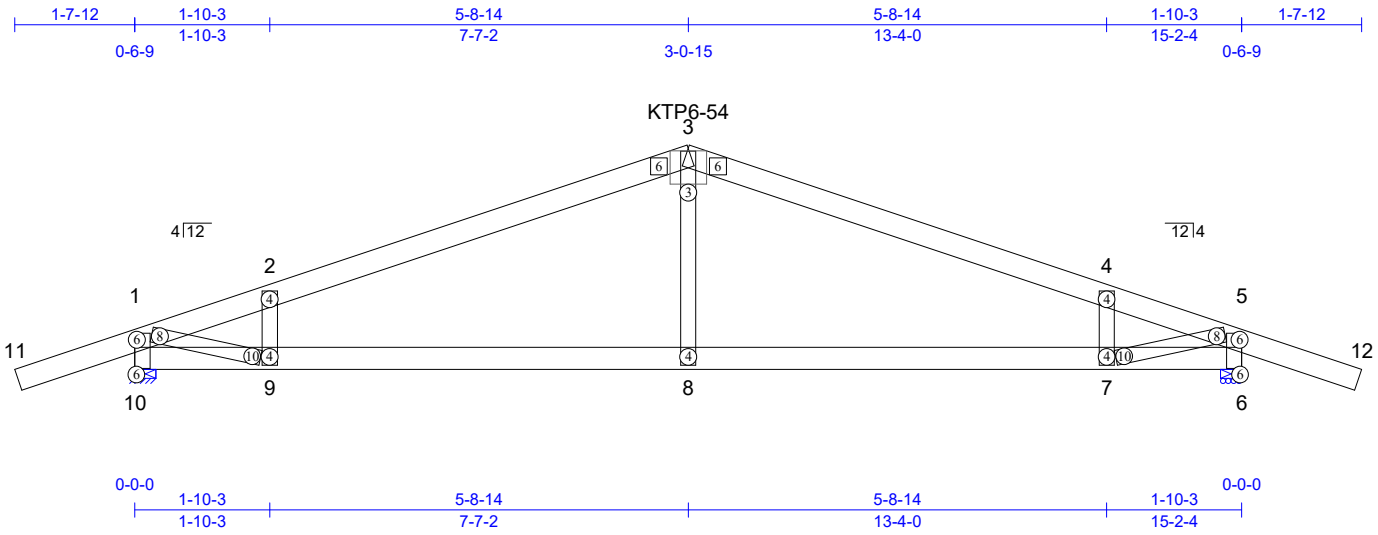
KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss:	T02
JobName:	24188
JobID:	Jackson County Airport
Date:	2/27/2025 10:06:53 AM
System:	KeyTRUSS 6.113
Page:	1 of 1
Report:	Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
15-2-4	4/12	6	1-7-12	1-7-12	1	48 in	45 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC : 1.004 (3-4)	TL: 0.26 in	L/ 685	(2-3)	L/ 240
BC : 0.640 (7-8)	LL: 0.13 in	L/ 999	(2-3)	L/ 360
Web: 0.408 (5-6)	Cant/OHTL: 0.04 in	2L/ 946	12	2L/ 180
	Cant/OHLL: 0.02 in	2L/ 999	12	2L/ 180
	Horz TL: 0.05 in		2	

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz
10	Pin (WL)	1	3.5 in	1,450 lbs				80 lbs
6	HRoll (WL)	1	3.5 in	1,450 lbs				

Material Summary

TChd	362S162-43 (50 ksi)	TChd Bracing: Sheathed
BChd	362S162-33 (50 ksi)	BChd Bracing: 108 in
Webs	250S162-33 (50 ksi)	

GUSSET PLATES

Joint	Detail	Gusset	Ga
3	KTFP-1	KTP6	16 ga.

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to standard loading of TC Live = 20 psf; TC Dead = 12 psf; BC Live = 0 psf; BC Dead = 8 psf at 48 ioc.
3) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 15 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
4) This truss has been designed for the effects of balanced and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 4/12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Member Forces Summary

Table indicates: Member ID, max CSI, max axial force, (max compr force if different from max axial force)

TChd	11-1	0.248	72 lbs	(0 lbs)	2-3	1.004	-1,908 lbs		4-5	0.349	-1,814 lbs			
	1-2	0.349	-1,814 lbs		3-4	1.004	-1,908 lbs		5-12	0.248	72 lbs	(0 lbs)		
BChd	6-7	0.392	16 lbs	(-11 lbs)	7-8	0.640	1,693 lbs	(-228 lbs)	8-9	0.640	1,693 lbs	(-228 lbs)	9-10	0.392	-80 lbs
Webs	1-10	0.408	-1,267 lbs		2-9	0.165	-505 lbs		4-7	0.165	-505 lbs		5-6	0.408	-1,267 lbs
	1-9	0.358	1,732 lbs	(-299 lbs)	3-8	0.084	404 lbs	(0 lbs)	5-7	0.358	1,732 lbs	(-250 lbs)			

Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.

GEORGIA REGISTERED No. SE000784 STRUCTURAL ENGINEER MICHAEL A. PELLOCK

2/28/2025

Keymark Engineering, Inc.
6707 Winchester Circle, Suite 102
Boulder, Colorado 80301

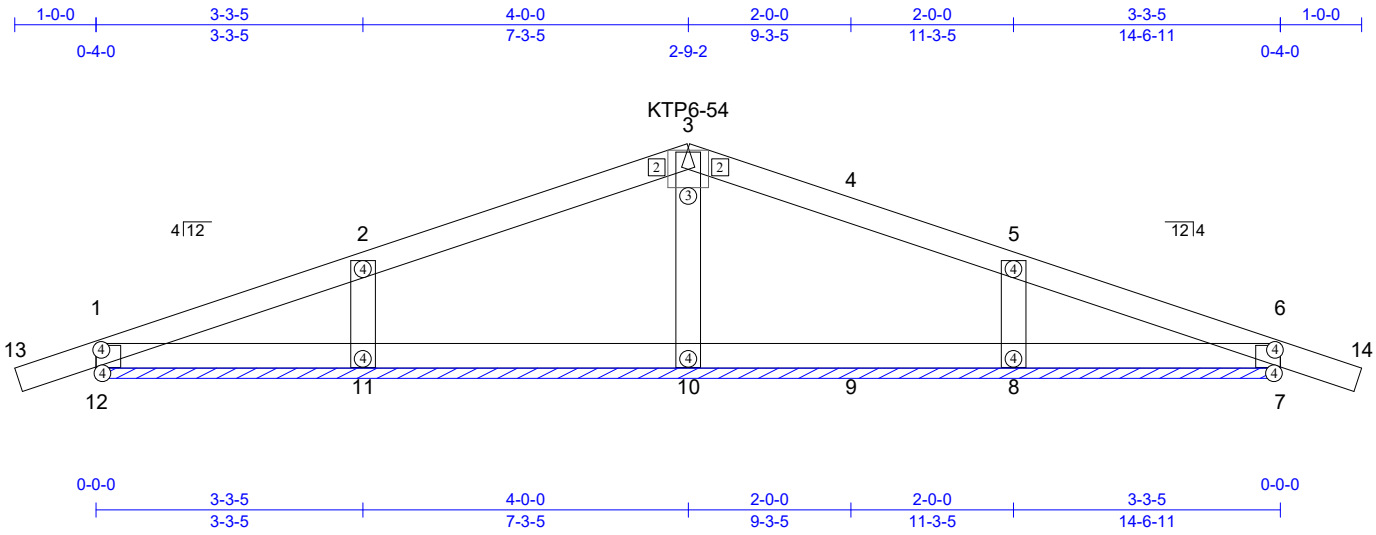
KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss: T02-D
JobName: 24188
JobID: Jackson County Airport
Date: 2/27/2025 10:06:51 AM
System: KeyTRUSS 6.113
Page: 1 of 1
Report: Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
14-6-11	4/12	1	1-0-0	1-0-0	1	48 in	35.2 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC :	0.405 (2-3)
BC :	0.093 (8-10)
Web:	0.181 (2-11)

Deflection

TL:	0.03 in	L / 999	(2-3)
LL:	0.02 in	L / 999	(2-3)
Cant / OHTL:	0 in	2L / 999	13
Cant / OHLL:	0 in	2L / 999	13
Horz TL:	0 in		14

Allowed

L / 240
L / 360
2L / 180
2L / 180

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz
7	HRoll (WL)	1	174.688 in	369 lbs				
8	HRoll (WL)	1	174.688 in	674 lbs				
10	HRoll (WL)	1	174.688 in	543 lbs				
11	HRoll (WL)	1	174.688 in	674 lbs				
12	Pin (WL)	1	174.688 in	369 lbs		-31 lbs	-31 lbs	-66 lbs

GUSSET PLATES

Joint	Detail	Gusset	Ga
3	KTFP-1	KTP6	16 ga.

Material Summary

TChd	362S162-33 (50 ksi)
BChd	362S162-33 (50 ksi)
Webs	362S162-33 (50 ksi)

TChd Bracing: 48 in
BChd Bracing: 108 in

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to standard loading of TC Live = 20 psf; TC Dead = 12 psf; BC Live = 0 psf; BC Dead = 8 psf at 48 ioc.
3) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 15 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
4) This truss has been designed for the effects of balanced and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 4 /12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Member Forces Summary

Table indicates: Member ID, max CSI, max axial force, (max comp force if different from max axial force)

TChd	13-1	0.181	48 lbs	(0 lbs)	2-3	0.405	159 lbs	(-118 lbs)	5-6	0.369	-71 lbs				
	1-2	0.369	-71 lbs		3-5	0.405	156 lbs	(-118 lbs)	6-14	0.181	48 lbs	(0 lbs)			
BChd	7-8	0.081	94 lbs	(-20 lbs)	8-10	0.093	94 lbs	(-20 lbs)	10-11	0.093	94 lbs	(-20 lbs)	11-12	0.081	94 lbs	(-20 lbs)
Webs	1-12	0.134	-318 lbs		3-10	0.144	-410 lbs		6-7	0.134	-318 lbs					
	2-11	0.181	-559 lbs		5-8	0.181	-559 lbs									

Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.

GEORGIA REGISTERED No. SE000784 STRUCTURAL ENGINEER MICHAEL A. PELLOCK

2/28/2025

Keymark Engineering, Inc.
6707 Winchester Circle, Suite 102
Boulder, Colorado 80301

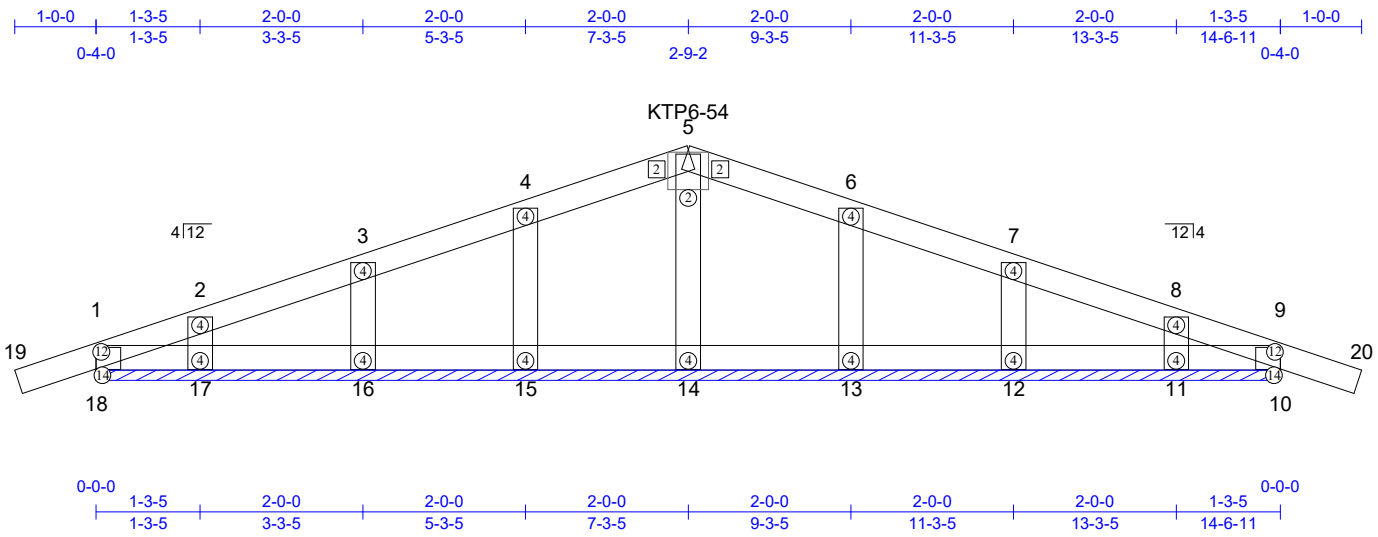
KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss:	T02-E
JobName:	24188
JobID:	Jackson County Airport
Date:	2/27/2025 10:06:52 AM
System:	KeyTRUSS 6.113
Page:	1 of 2
Report:	Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
14-6-11	4/12	1	1-0-0	1-0-0	1	48 in	40.6 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC:	0.637 (8-9)
BC:	0.665 (17-18)
Web:	0.878 (9-10)

Deflection

TL: 0 in	L/ 999	(4-5)	L/ 240
LL: 0 in	L/ 999	(4-5)	L/ 360
Cant / OH TL: 0.01 in	2L/ 999	19	2L/ 180
Cant / OH LL: 0 in UP	2L/ 999	19	2L/ 180
Horz TL: 0.01 in		5	

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz
10	HRoll (WL)	1	174.688 in	1,138 lbs	-887 lbs	-668 lbs	-887 lbs	
11	HRoll (WL)	1	174.688 in	332 lbs	-92 lbs	-27 lbs	-92 lbs	
12	HRoll (WL)	1	174.688 in	337 lbs				
13	HRoll (WL)	1	174.688 in	353 lbs				
14	HRoll (WL)	1	174.688 in	271 lbs				
15	HRoll (WL)	1	174.688 in	353 lbs				
16	HRoll (WL)	1	174.688 in	337 lbs				
17	HRoll (WL)	1	174.688 in	331 lbs	-92 lbs	-27 lbs	-92 lbs	
18	Pin (WL)	1	174.688 in	1,136 lbs	-885 lbs	-666 lbs	-885 lbs	-66 lbs

GUSSET PLATES

Joint	Detail	Gusset	Ga
5	KTFP-1	KTP6	16 ga.

Material Summary

TChd	362S162-33 (50 ksi)		TChd Bracing: 48 in	
BChd	362S162-33 (50 ksi)		BChd Bracing: 108 in	
Webs	362S162-33 (50 ksi)	except:		
1-18	362S162-43 (50 ksi)	9-10	362S162-43 (50 ksi)	

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 15 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
3) This truss has been designed for the effects of balanced and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 4/12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Load Case Lr1: Std Live Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Proj	20 psf	20 psf	48 in
Bot	Cont		Down	Proj	0 psf	0 psf	48 in

Load Case D1: Std Dead Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Rake	12 psf	12 psf	48 in
Bot	Cont		Down	Rake	8 psf	8 psf	48 in

User-defined Load Case L1: Drag_Right

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PRight	Rake	300 plf	300 plf	
Bot	Cont		PLeft	Rake	342 plf	342 plf	

User-defined Load Case L2: Drag_Left

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PLeft	Rake	300 plf	300 plf	
Bot	Cont		PRight	Rake	342 plf	342 plf	

Load Combinations

#	Load Combo	Factor
1	D1	1.000
2	D1 + L1	1.000

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2/28/2025

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GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss:	T02-E
JobName:	24188
JobID:	Jackson County Airport
Date:	2/27/2025 10:06:52 AM
System:	KeyTRUSS 6.113
Page:	2 of 2
Report:	Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
14-6-11	4 /12	1	1-0-0	1-0-0	1	48 in	40.6 lbs

3	D1 + L2	1.000
4	D1 + Lr1	1.000
5	D1 + S1	1.000
6	D1 + S2	1.000
7	D1 + S3	1.000
8	D1 + 0.75 L1 + 0.75 Lr1	1.000
9	D1 + 0.75 L2 + 0.75 Lr1	1.000
10	D1 + 0.75 L1 + 0.75 S1	1.000
11	D1 + 0.75 L1 + 0.75 S2	1.000
12	D1 + 0.75 L1 + 0.75 S3	1.000
13	D1 + 0.75 L2 + 0.75 S1	1.000
14	D1 + 0.75 L2 + 0.75 S2	1.000
15	D1 + 0.75 L2 + 0.75 S3	1.000
16	D1 + 0.6 W3	1.000
17	D1 + 0.6 W8	1.000
18	D1 + 0.6 W9	1.000
19	D1 + 0.45 W3 + 0.75 L1 + 0.75 Lr1	1.000
20	D1 + 0.45 W3 + 0.75 L2 + 0.75 Lr1	1.000
21	D1 + 0.45 W3 + 0.75 L1 + 0.75 S1	1.000
22	D1 + 0.45 W3 + 0.75 L1 + 0.75 S2	1.000
23	D1 + 0.45 W3 + 0.75 L1 + 0.75 S3	1.000
24	D1 + 0.45 W3 + 0.75 L2 + 0.75 S1	1.000
25	D1 + 0.45 W3 + 0.75 L2 + 0.75 S2	1.000
26	D1 + 0.45 W3 + 0.75 L2 + 0.75 S3	1.000
27	0.6 D1 + 0.6 W1	1.000
28	0.6 D1 + 0.6 W2	1.000
29	0.6 D1 + 0.6 W4	1.000

Member Forces Summary

Table indicates: Member ID, max CSI, max axial force, (max compr force if different from max axial force)

TChd	19-1	0.181	382 lbs	(-346 lbs)	3-4	0.335	-1,280 lbs		6-7	0.336	-1,285 lbs		9-20	0.181	382 lbs	(-346 lbs)
	1-2	0.636	-2,288 lbs		4-5	0.184	-651 lbs		7-8	0.464	-1,915 lbs					
	2-3	0.463	-1,910 lbs		5-6	0.185	-656 lbs		8-9	0.637	-2,293 lbs					
BChd	10-11	0.664	2,436 lbs	(-2,433 lbs)	12-13	0.335	1,367 lbs	(-1,363 lbs)	14-15	0.178	689 lbs	(-685 lbs)	16-17	0.518	2,057 lbs	(-2,053 lbs)
	11-12	0.516	2,051 lbs	(-2,047 lbs)	13-14	0.176	683 lbs	(-679 lbs)	15-16	0.336	1,373 lbs	(-1,369 lbs)	17-18	0.665	2,443 lbs	(-2,439 lbs)
Webs	1-18	0.877	-996 lbs		4-15	0.097	-291 lbs		7-12	0.086	-267 lbs					
	2-17	0.068	-214 lbs		5-14	0.072	-206 lbs		8-11	0.068	-214 lbs					
	3-16	0.086	-267 lbs		6-13	0.097	-291 lbs		9-10	0.878	-997 lbs					

Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.

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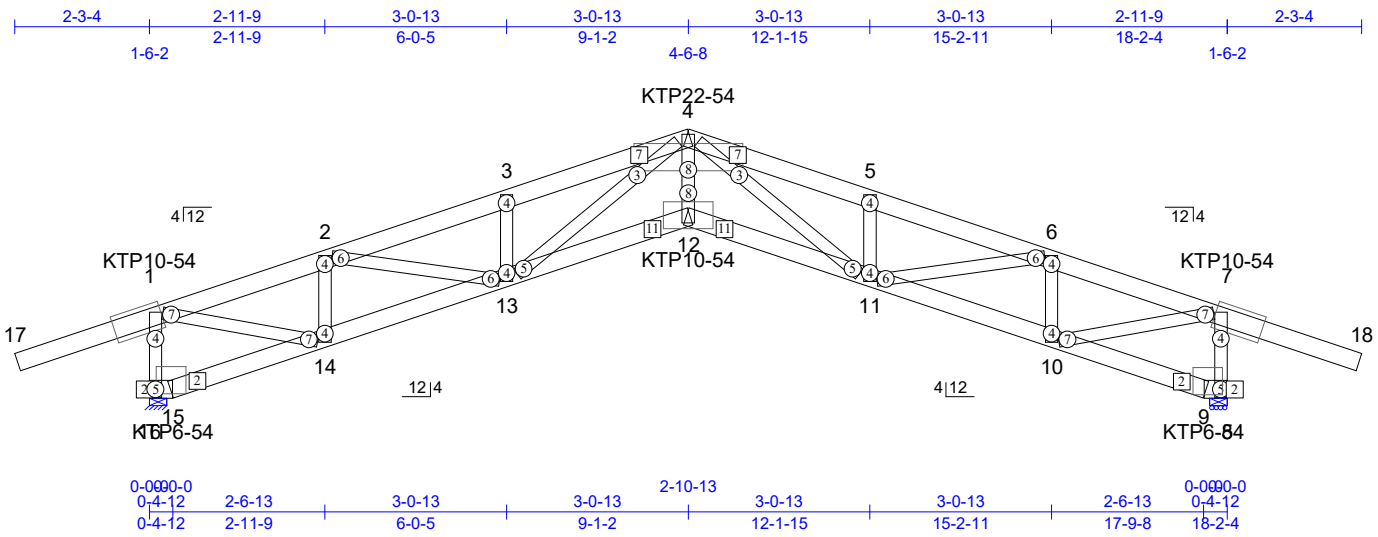
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss: T03
JobName: 24188
JobID: Jackson County Airport
Date: 5/14/2025 10:44:07 AM
System: KeyTRUSS 6.113
Page: 1 of 1
Report: Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
18-2-4	4/12	7	2-3-4	2-3-4	1	48 in	80.5 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC : 0.922 (5-6)
BC : 0.801 (12-13)
Web: 0.693 (4-12)

Deflection	L/	(loc)	Allowed
TL: 0.49 in	L / 434	12	L / 240
LL: 0.23 in	L / 913	12	L / 360
Cant / OHTL: 0.12 in UP	2L / 441	18	2L / 180
Cant / OHLL: 0.04 in UP	2L / 999	17	2L / 180
Horz TL: 0.36 in		8	

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz
16	Pin (WL)	1	3.5 in	1,790 lbs				131 lbs
8	HRoll (WL)	1	3.5 in	1,790 lbs				

Material Summary

TChd 362S162-43 (50 ksi)
BChd 362S162-33 (50 ksi)
Webs 250S162-33 (50 ksi)
except:
1-16 250S162-43 (50 ksi) 7-8 250S162-43 (50 ksi)

TChd Bracing: Sheathed
BChd Bracing: 108 in

GUSSET PLATES

Joint	Detail	Gusset	Ga
1,7	KTOH	KTP10	16 ga.
4	KTFP-1	KTP22	16 ga.
9,15	KTHP-1	KTP6	16 ga.
12		KTP10	16 ga.

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to standard loading of TC Live = 20 psf; TC Dead = 12 psf; BC Live = 0 psf; BC Dead = 8 psf at 48 ioc.
3) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 20 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6.7 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
4) This truss has been designed for the effects of balanced and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 4/12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Member Forces Summary

Table indicates: Member ID, max CSI, max axial force, (max compr force if different from max axial force)

TChd	17-1	0.440	98 lbs	(0 lbs)	2-3	0.922	-4,360 lbs		4-5	0.856	-4,366 lbs		6-7	0.596	-2,596 lbs	
	1-2	0.596	-2,596 lbs		3-4	0.856	-4,366 lbs		5-6	0.922	-4,360 lbs		7-18	0.440	98 lbs	(0 lbs)
BChd	8-9	0.007	47 lbs	(-29 lbs)	10-11	0.390	2,546 lbs	(-249 lbs)	12-13	0.801	5,024 lbs	(-346 lbs)	14-15	0.345	124 lbs	(-123 lbs)
	9-10	0.217	61 lbs	(-26 lbs)	11-12	0.801	5,024 lbs	(-345 lbs)	13-14	0.390	2,546 lbs	(-65 lbs)	15-16	0.029	-131 lbs	
Webs	1-16	0.433	-1,782 lbs		3-13	0.135	-401 lbs		5-11	0.135	-401 lbs		7-8	0.433	-1,782 lbs	
	1-14	0.503	2,433 lbs	(-143 lbs)	4-13	0.405	-840 lbs		6-11	0.353	1,709 lbs	(-257 lbs)				
	2-14	0.375	-1,108 lbs		4-12	0.693	3,352 lbs	(-180 lbs)	6-10	0.375	-1,108 lbs					
	2-13	0.353	1,709 lbs	(-304 lbs)	4-11	0.405	-840 lbs		7-10	0.503	2,433 lbs	(-277 lbs)				

Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.

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5/14/2025

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Truss:	T03-S1
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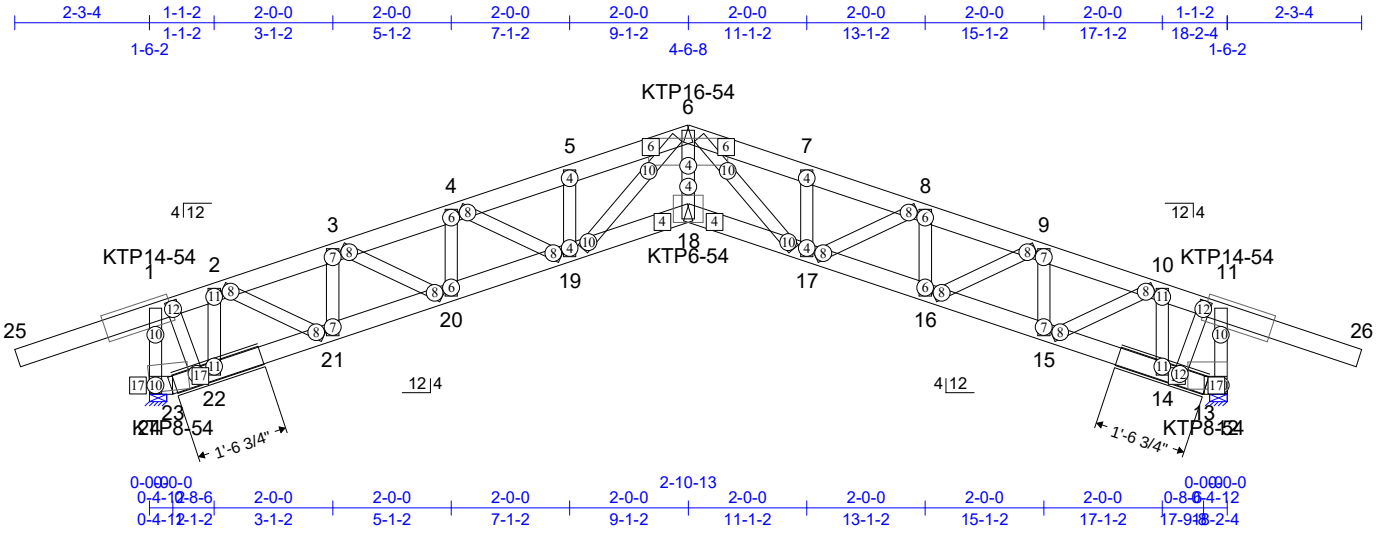
Date:	5/14/2025 8:39:17 AM
System:	KeyTRUSS 6.113
Page:	1 of 2
Report:	Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
18-2-4	4/12	1	2-3-4	2-3-4	1	52 in	127.2 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC:	0.959 (11)
BC:	0.695 (22-23)
Web:	0.820 (10-14)

Deflection

TL:	0.06 in	L / 999	(19-20)
LL:	0.02 in	L / 999	(19-20)
Cant / OHTL:	0.03 in	2L / 999	25
Cant / OHLL:	0.02 in	2L / 999	26
Horz TL:	0.04 in		25

L/ (loc) Allowed

L / 240
L / 360
2L / 180
2L / 180

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz	
24	Pin (WL)	1	3.5 in	3,860 lbs			-2,316 lbs	7,162 lbs	
12	Pin (WL)	1	3.5 in	3,860 lbs			-2,316 lbs	-7,159 lbs	Note HIGH horizontal reaction

Material Summary

TChd	362S162-68 (50 ksi)			TChd Bracing:	Sheathed
BChd	362S162-68 (50 ksi)			BChd Bracing:	108 in
Webs	250S162-33 (50 ksi)	except:			
1-24	250S162-54 (50 ksi)	1-22	250S162-54 (50 ksi)	11-14	250S162-54 (50 ksi)
11-12	250S162-54 (50 ksi)				

Bold lines indicate track reinforcement is required on the hard side of the cee. Track shall match gauge/depth of cee material.
Track shall be attached with fasteners through track into cee using:
1 row 12" o.c. through each flange minimum 3 fasteners per row
1 row 12" o.c. through the web minimum 3 fasteners per row
At truss joints, fasteners that connect webs to chords may be counted as track reinforcement fasteners.

GUSSET PLATES

Joint	Detail	Gusset	Ga
1,11	KTOH	KTP14	16 ga.
6	KTFP-1	KTP16	16 ga.
13,23	KTHP-1	KTP8	16 ga.
18		KTP6	16 ga.

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 20 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6.7 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
3) This truss has been designed for the effects of balanced and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 4/12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Load Case Lr1: Std Live Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Proj	20 psf	20 psf	52 in
Bot	Cont		Down	Proj	0 psf	0 psf	52 in

Load Case D1: Std Dead Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Rake	12 psf	12 psf	52 in
Bot	Cont		Down	Rake	8 psf	8 psf	52 in

User-defined Load Case W10: Drag_Right

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PRight	Rake	900 plf	900 plf	

User-defined Load Case W11: Drag_Left

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PLeft	Rake	900 plf	900 plf	

Load Combinations

#	Load Combo	Factor
1	D1	1.000
2	D1 + Lr1	1.000
3	D1 + S1	1.000
4	D1 + S2	1.000
5	D1 + S3	1.000
6	D1 + 0.6 W3	1.000

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Truss: T03-S1
JobName: 24188
JobID: Jackson County Airport
Date: 5/14/2025 8:39:17 AM
System: KeyTRUSS 6.113
Page: 2 of 2
Report: Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
18-2-4	4 /12	1	2-3-4	2-3-4	1	52 in	127.2 lbs

7	D1 + 0.6 W8	1.000
8	D1 + 0.6 W9	1.000
9	D1 + 0.6 W10	1.000
10	D1 + 0.6 W11	1.000
11	D1 + 0.45 W3 + 0.75 Lr1	1.000
12	D1 + 0.45 W10 + 0.75 Lr1	1.000
13	D1 + 0.45 W11 + 0.75 Lr1	1.000
14	D1 + 0.45 W3 + 0.75 Sl	1.000
15	D1 + 0.45 W3 + 0.75 S2	1.000
16	D1 + 0.45 W3 + 0.75 S3	1.000
17	D1 + 0.45 W10 + 0.75 S1	1.000
18	D1 + 0.45 W10 + 0.75 S2	1.000
19	D1 + 0.45 W10 + 0.75 S3	1.000
20	D1 + 0.45 W11 + 0.75 S1	1.000
21	D1 + 0.45 W11 + 0.75 S2	1.000
22	D1 + 0.45 W11 + 0.75 S3	1.000
23	0.6 D1 + 0.6 W1	1.000
24	0.6 D1 + 0.6 W2	1.000
25	0.6 D1 + 0.6 W4	1.000
26	0.6 D1 + 0.6 W10	1.000
27	0.6 D1 + 0.6 W11	1.000

Member Forces Summary

Table indicates: Member ID, max CSI, max axial force, (max compr force if different from max axial force)

TChd	25-1	0.273	1,393 lbs	(-1,327 lbs)	3-4	0.198	-2,107 lbs		6-7	0.306	-2,156 lbs		9-10	0.201	-1,662 lbs	
	1-2	0.599	-1,159 lbs		4-5	0.189	-2,064 lbs		7-8	0.189	-2,067 lbs		10-11	0.599	-1,159 lbs	
	2-3	0.201	-1,663 lbs		5-6	0.306	-2,159 lbs		8-9	0.198	-2,109 lbs		11-26	0.273	1,393 lbs	(-1,327 lbs)
BChd	12-13	0.546	-7,159 lbs		15-16	0.442	-4,280 lbs		18-19	0.141	-1,200 lbs		21-22	0.621	-5,895 lbs	
	13-14	0.694	-6,791 lbs		16-17	0.353	-2,742 lbs		19-20	0.353	-2,747 lbs		22-23	0.695	-6,793 lbs	
	14-15	0.624	-5,892 lbs		17-18	0.140	-1,200 lbs		20-21	0.442	-4,283 lbs		23-24	0.546	-7,162 lbs	
Webs	1-24	0.682	-3,851 lbs		4-20	0.372	-1,100 lbs		7-17	0.096	-286 lbs		10-14	0.820	-2,403 lbs	
	1-22	0.595	4,735 lbs	(-3,360 lbs)	4-19	0.592	-1,658 lbs		8-17	0.592	-1,659 lbs		11-14	0.595	4,737 lbs	(-3,362 lbs)
	2-22	0.818	-2,400 lbs		5-19	0.096	-286 lbs		8-16	0.373	-1,101 lbs		11-12	0.682	-3,851 lbs	
	2-21	0.340	1,644 lbs	(-851 lbs)	6-19	0.580	2,285 lbs	(-1,495 lbs)	9-16	0.462	1,616 lbs	(-1,300 lbs)				
	3-21	0.465	-1,372 lbs		6-18	0.228	-675 lbs		9-15	0.465	-1,372 lbs					
	3-20	0.461	1,614 lbs	(-1,297 lbs)	6-17	0.581	2,286 lbs	(-1,496 lbs)	10-15	0.340	1,644 lbs	(-850 lbs)				

Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.
Multiple pinned bearings exist.

Keymark Engineering, Inc.
6707 Winchester Cricle, Suite 102
Boulder, Colorado 80301

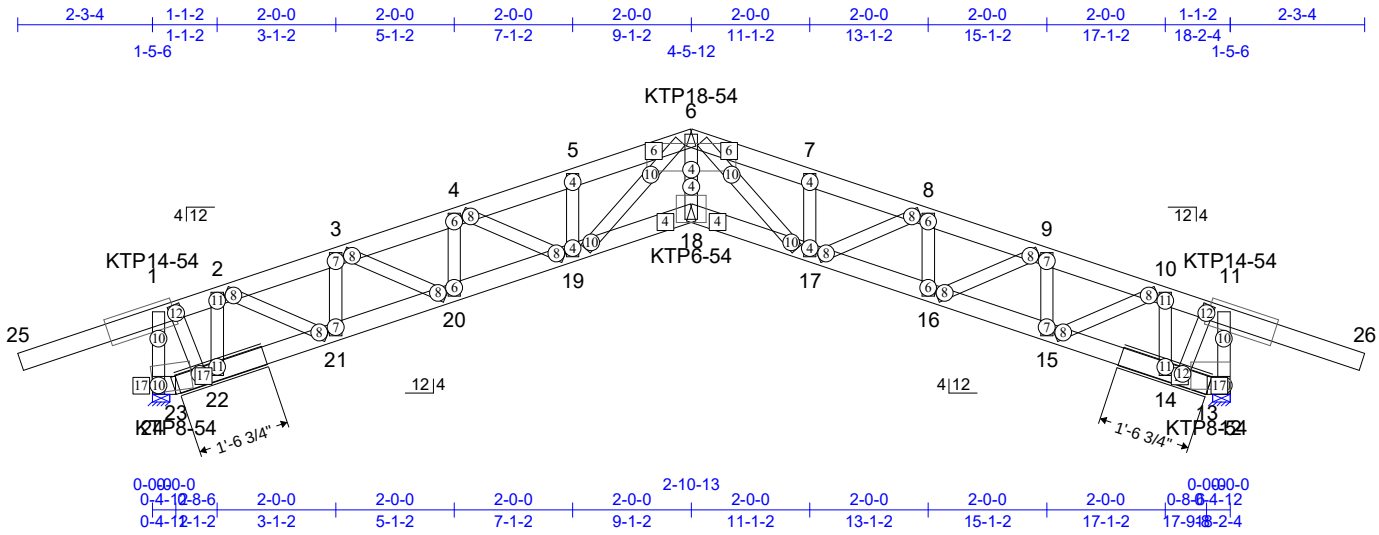
KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss:	T03-S2
JobName:	24188
JobID:	Jackson County Airport
Date:	5/14/2025 8:36:47 AM
System:	KeyTRUSS 6.113
Page:	1 of 2
Report:	Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
18-2-4	4/12	1	2-3-4	2-3-4	1	52 in	126.6 lbs



Circles indicate fastener count in webs. Squares indicate fastener count in chords. "Fasteners" indicates the number of #10 SDS (AISI) fasteners required at one end of the member. Each value indicates the number of fasteners required. Where connection plates are called out on this drawing, a plate is required. Refer to General Notes for further clarification. Allowable shear per fastener is calculated per the AISI S100. Maintain fastener spacing at 9/16" min. Maintain fastener edge margin at 9/16" min for each sheet of steel connected.

CSI Summary

TC:	0.944 (11)
BC:	0.699 (22-23)
Web:	0.784 (10-14)

Deflection

TL:	0.06 in
LL:	0.02 in
Cant / OHTL:	0.03 in
Cant / OHLL:	0.02 in
Horz TL:	0.04 in

L/

L / 999
L / 999
2L / 999
2L / 999

(loc)

(19-20)
(19-20)
25
26
4

Allowed

L / 240
L / 360
2L / 180
2L / 180

Reaction Summary

JT	Type	Brg Combo	Brg Width	Max React	Grav Uplift	MWFRS Uplift	Max Uplift	Max Horiz	
24	Pin (WL)	1	3.5 in	3,828 lbs			-2,273 lbs	7,176 lbs	
12	Pin (WL)	1	3.5 in	3,828 lbs			-2,273 lbs	-7,174 lbs	Note HIGH horizontal reaction

Material Summary

TChd	362S162-68 (50 ksi)			TChd Bracing:	Sheathed
BChd	362S162-68 (50 ksi)			BChd Bracing:	108 in
Webs	250S162-33 (50 ksi)	except:			
1-24	250S162-54 (50 ksi)	1-22	250S162-54 (50 ksi)	11-14	250S162-54 (50 ksi)
11-12	250S162-54 (50 ksi)				

Bold lines indicate track reinforcement is required on the hard side of the cee. Track shall match gauge/depth of cee material.
Track shall be attached with fasteners through track into cee using:
1 row 12" o.c. through each flange minimum 3 fasteners per row
1 row 12" o.c. through the web minimum 3 fasteners per row
At truss joints, fasteners that connect webs to chords may be counted as track reinforcement fasteners.

GUSSET PLATES

Joint	Detail	Gusset	Ga
1,11	KTOH	KTP14	16 ga.
6	KTFP-1	KTP18	16 ga.
13,23	KTHP-1	KTP8	16 ga.
18		KTP6	16 ga.

Loads Summary

1) This truss has been designed in accordance with IBC - 2018.
2) This truss has been designed for the effects due to wind loads in accordance with ASCE7 - 16, V = 110 mph, Exposure C. The building is Gable with Risk Category II, Mean Roof Height 20 ft, Overall Building Dimensions of 67 ft x 131 ft, Enclosure Class: Enclosed, CC Zone Width 6.7 ft The left end vertical has been exposed to wind. The right end vertical has been exposed to wind. This truss is not an End Zone Truss. This truss is in a Hurricane Prone Region.
3) This truss has been designed for the effects of balanced and unbalanced snow loads in accordance with ASCE7 - 16, using a ground snow load of 5 psf and terrain category B. The exposure condition is Fully Exposed. The thermal condition is All Others (Ct = 1.0) with building category II (I = 1.0). The roof ventilation is Unknown with Roof R-Value Unknown. The roof slope is 4/12 and the surface type is All Others. This truss has not been designed to account for the effects of ice dams forming at the eaves.

Load Case Lr1: Std Live Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Proj	20 psf	20 psf	52 in
Bot	Cont		Down	Proj	0 psf	0 psf	52 in

Load Case D1: Std Dead Load

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		Down	Rake	12 psf	12 psf	52 in
Bot	Cont		Down	Rake	8 psf	8 psf	52 in

User-defined Load Case W10: Drag_Right

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PRight	Rake	900 plf	900 plf	

User-defined Load Case W11: Drag_Left

Distributed Loads

Member	Location 1	Location 2	Direction	Spread	Start Load	End Load	Trib Width
Top	Cont		PLeft	Rake	900 plf	900 plf	

Load Combinations

#	Load Combo	Factor
1	D1	1.000
2	D1 + Lr1	1.000
3	D1 + S1	1.000
4	D1 + S2	1.000
5	D1 + S3	1.000
6	D1 + 0.6 W3	1.000

GEORGIA REGISTERED No. SE000784 STRUCTURAL ENGINEER MICHAEL A. PELLOCK

5/14/2025

Keymark Engineering, Inc.
6707 Winchester Circle, Suite 102
Boulder, Colorado 80301

KEYMARK GLOBAL STEEL SYSTEMS

GS Build® System
KeyTruss®
Version: 5.016 [Build 2] master

TruTek Framing Systems
4001 Hwy 153
Greenville, SC 29611
864 999 2020

Truss: T03-S2
JobName: 24188
JobID: Jackson County Airport
Date: 5/14/2025 8:36:48 AM
System: KeyTRUSS 6.113
Page: 2 of 2
Report: Eng Plot

SPAN	PITCH	QTY	OHL	OHR	PLYS	SPACING	WGT/PLY
18-2-4	4 /12	1	2-3-4	2-3-4	1	52 in	126.6 lbs

7	D1 + 0.6 W8	1.000
8	D1 + 0.6 W9	1.000
9	D1 + 0.6 W10	1.000
10	D1 + 0.6 W11	1.000
11	D1 + 0.45 W3 + 0.75 Lr1	1.000
12	D1 + 0.45 W10 + 0.75 Lr1	1.000
13	D1 + 0.45 W11 + 0.75 Lr1	1.000
14	D1 + 0.45 W3 + 0.75 Sl	1.000
15	D1 + 0.45 W3 + 0.75 S2	1.000
16	D1 + 0.45 W3 + 0.75 S3	1.000
17	D1 + 0.45 W10 + 0.75 S1	1.000
18	D1 + 0.45 W10 + 0.75 S2	1.000
19	D1 + 0.45 W10 + 0.75 S3	1.000
20	D1 + 0.45 W11 + 0.75 S1	1.000
21	D1 + 0.45 W11 + 0.75 S2	1.000
22	D1 + 0.45 W11 + 0.75 S3	1.000
23	0.6 D1 + 0.6 W1	1.000
24	0.6 D1 + 0.6 W2	1.000
25	0.6 D1 + 0.6 W4	1.000
26	0.6 D1 + 0.6 W10	1.000
27	0.6 D1 + 0.6 W11	1.000

Member Forces Summary

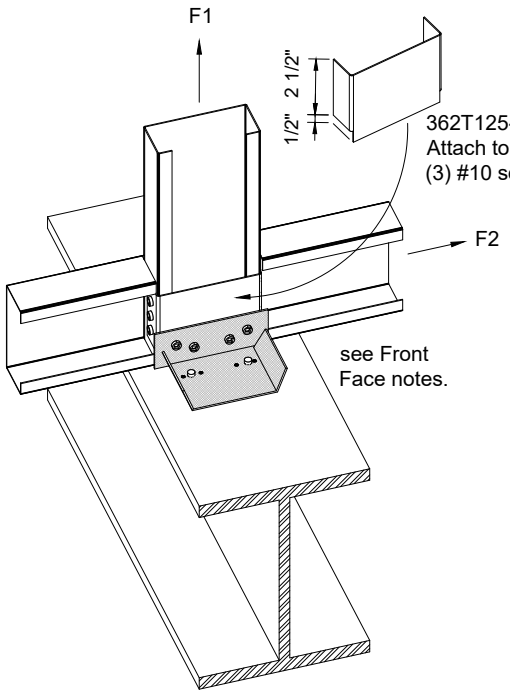
Table indicates: Member ID, max CSI, max axial force, (max compr force if different from max axial force)

TChd	25-1	0.273	1,393 lbs	(-1,327 lbs)	3-4	0.199	-2,166 lbs		6-7	0.302	-2,164 lbs		9-10	0.188	-1,687 lbs	
	1-2	0.584	-1,105 lbs		4-5	0.188	-2,089 lbs		7-8	0.189	-2,091 lbs		10-11	0.585	-1,105 lbs	
	2-3	0.188	-1,687 lbs		5-6	0.302	-2,167 lbs		8-9	0.199	-2,168 lbs		11-26	0.273	1,393 lbs	(-1,327 lbs)
BChd	12-13	0.547	-7,174 lbs		15-16	0.435	-4,255 lbs		18-19	0.142	-1,253 lbs		21-22	0.624	-5,829 lbs	
	13-14	0.699	-6,804 lbs		16-17	0.345	-2,722 lbs		19-20	0.345	-2,727 lbs		22-23	0.699	-6,806 lbs	
	14-15	0.627	-5,826 lbs		17-18	0.141	-1,253 lbs		20-21	0.435	-4,258 lbs		23-24	0.547	-7,176 lbs	
Webs	1-24	0.672	-3,819 lbs		4-20	0.347	1,040 lbs	(-1,032 lbs)	7-17	0.095	-284 lbs		10-14	0.784	-2,313 lbs	
	1-22	0.583	4,682 lbs	(-3,306 lbs)	4-19	0.585	-1,643 lbs		8-17	0.585	-1,644 lbs		11-14	0.584	4,684 lbs	(-3,308 lbs)
	2-22	0.783	-2,310 lbs		5-19	0.095	-284 lbs		8-16	0.348	1,041 lbs	(-1,033 lbs)	11-12	0.672	-3,819 lbs	
	2-21	0.328	1,587 lbs	(-782 lbs)	6-19	0.552	2,257 lbs	(-1,434 lbs)	9-16	0.452	1,587 lbs	(-1,274 lbs)				
	3-21	0.438	-1,298 lbs		6-18	0.237	-704 lbs		9-15	0.438	-1,299 lbs					
	3-20	0.451	1,585 lbs	(-1,271 lbs)	6-17	0.553	2,259 lbs	(-1,436 lbs)	10-15	0.328	1,587 lbs	(-782 lbs)				

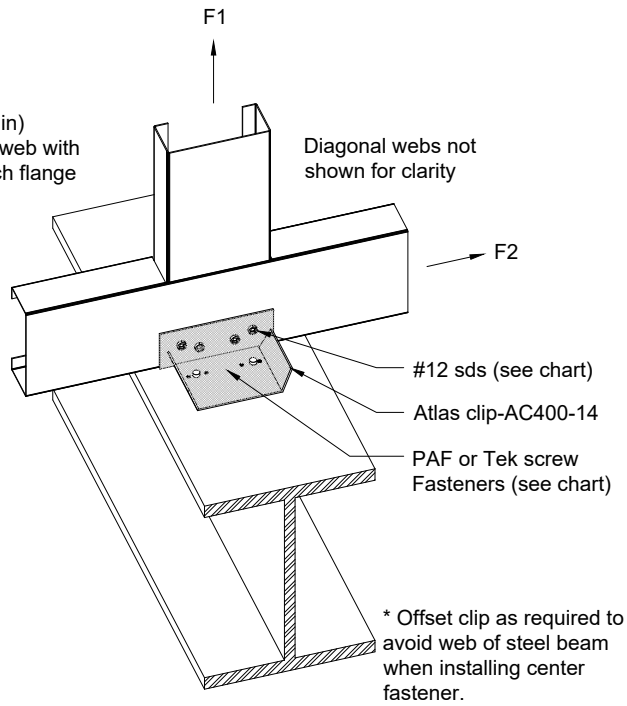
Additional Notes:

The end of every chord segment shall be braced laterally perpendicular to the plane of the truss. Lateral braces shall be installed within 6 " of the end of each chord segment.
NOTE : Web crippling calculation assume truss is fastened to support.
Multiple pinned bearings exist.

Keymark Engineering, Inc.
6707 Winchester Cricle, Suite 102
Boulder, Colorado 80301



Back Face application
(if/as required)



Front Face application
(typical)

AC400 Clip to Steel Connection Chart

F1 [Front or Back Face]		AC400-14				Truss	AC400-12				Truss
		3/16"	1/4"	3/8"	1/2"	#12 sds	3/16"	1/4"	3/8"	1/2"	#12 sds
Hilti X-U 0.157	2	942	948	948	948	4	942	1343	1343	1343	5
	3	n/a	n/a	n/a	n/a	n/a	1343	1343	1343	1343	5
#12 Tec	2	942	948	948	948	4	1343	1343	1343	1343	5
	3	n/a	n/a	n/a	n/a	n/a	1343	1343	1343	1343	5
F2 [Front Face]											
Hilti X-U 0.157	2	1924	1924	1924	1924	5 [1]	3468	3468	3468	3468	5 [3]
	3	2886	2886	2886	2886	5 [3]	3500	3500	3500	3500	5 [3]
#12 Tec	2	1122	1122	1122	1122	5	1400	1400	1400	1400	4 [1]
	3	1683	1683	1683	1683	5 [1]	2100	2100	2100	2100	4 [2]

[1] - Truss vertical at bearing to be 043 mil minimum.
[2] - Truss vertical at bearing to be 054 mil minimum.
[3] - Truss vertical at bearing to be 068 mil minimum.

F2 [Back Face]			
All Bearings [1]		All AC Clips	Truss #12 sds
Truss Vertical	033	184	2
	043	302	2
	054	480	2

[1] - Minimum connection to bearing as shown above.

General Notes:
1. Fasteners to be installed per manufacture recommendations or AISI Standard. Install screws/PAF's/anchors to bearing support through holes or location marks in large leg of connector.
2. Equivalent fasteners may be substituted for those specified.
3. Welding per ASW (D1.1)
4. Detail follows AISI S100 and S240:
   a. Minimum SDS spacing = 5/8"
   b. SDS shear and tension values based on AISI S100-16.
   c. Minimum PAF spacing = 1"
   d. Weld transverse and longitudinal strength values per AISI S100-16.
4. Supports shown do not represent or imply approved design.
5. If Detail is applied to both faces of a truss vertical then front face and back face chart values may be added together.
6. Allowable loads have not been increased for wind or seismic.
7. Max. reactions shown are non-concurrent.

GEORGIA REGISTERED No. SE000784 STRUCTURAL ENGINEER MICHAEL A. PELLOCK

2/28/2025

FULL MOON ENGINEERING

JOB NAME: Jackson County Airport Terminal

LOCATION: Jefferson, GA

TruTek Framing Systems LLC

ISSUE DATE: 02/27/25

REVISIONS:

TruTek Job# 24188

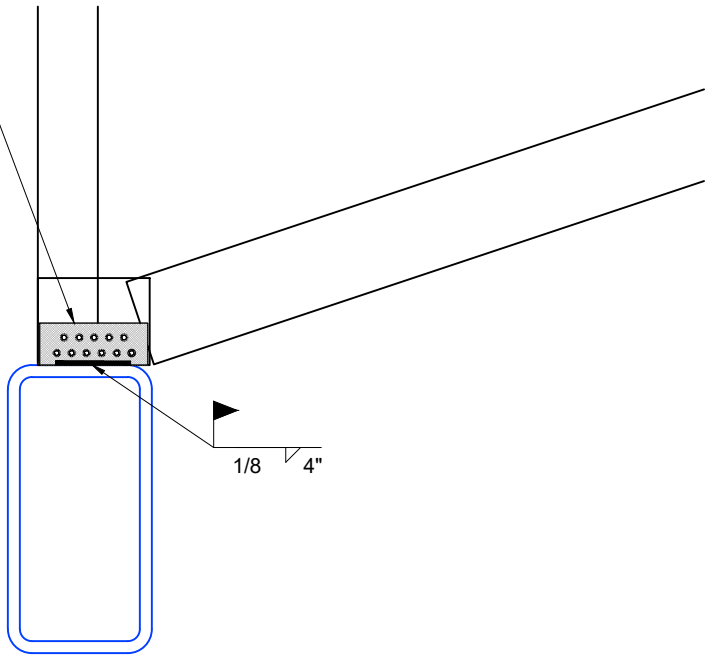
Drawn By: ADT

Approved By: JM

TB1.0

1.75"x5" 97 mil Flat Plate
-Attach to truss with (11) #12 sds as shown.
-Attach to structural steel with weld as shown

Max reaction: 7,200 lbs.



Truss bottom chord = 068 mil

General Notes:
1. Fasteners to be installed per manufacture recommendations or AISI Standard.
2. Equivalent fasteners may be substituted for those specified.
3. Welding per ASW (D1.1)
4. Detail follows AISI S100 and S240:
   a. Minimum SDS spacing = 5/8"
   b. SDS shear and tension values based on AISI S100-16.
   c. Weld transverse and longitudinal strength values per AISI S100-16.
4. Supports shown do not represent or imply approved design.
5. Allowable loads have not been increased for wind or seismic.
6. Max. reactions shown are non-concurrent.

GEORGIA REGISTERED No. SE000784 STRUCTURAL ENGINEER MICHAEL A. PELLOCK

5/14/2025

FULL MOON ENGINEERING

JOB NAME: Jackson County Airport Terminal

LOCATION: Jefferson, GA

TruTek Framing Systems LLC

ISSUE DATE: 02/27/25

REVISIONS:

	05/14/25

TruTek Job# 24188

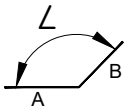
Drawn By: ADT

Approved By: JM

TB1.1

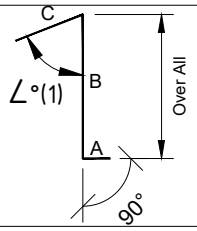
BENT PLATE SCHEDULE (figured with 6" overlaps)

QTY	LABEL	Ga.	LENGTH	LEG (A)	LEG (B)	∠°	PROFILE	DESCRIPTION
12	RP3	14	10'-0"	4"	4"	152	^	Ridge
9	RP4	14	10'-0"	4"	4"	144	^	Ridge
17	FT4	14	10'-0"	3"	3"	72	⌐	Fascia-Top
26	FT3	14	10'-0"	4"	4"	76	⌐	Fascia-Top
21	BP90	14	10'-0"	3"	3"	90	L	Rake
8	DT90	14	10'-0"	4"	4"	90	L	Deflection Track
18	FP1	14	10'-0"	8"		180	—	Flat Plate



SHEAR BLOCKING PLATES

QTY	LABEL	Ga.	LENGTH	LEG (A)	LEG (B)	LEG (C)	∠°	PROFILE	DESCRIPTION
58	SB1	12	3'-4"	2"	13.25"	5"	76	⌐	Shear Blocking
10	SB2	16	3'-4"	2"	6.75"	5"	72	⌐	Shear Blocking



SEPARATE PRODUCTS LIST

CONNECTORS

QTY	LABEL	LENGTH	DETAIL	DESCRIPTION
140	AC400-14	0'-4"	TB1.0	AC400 14g Atlas Truss-to-Bearing Clip
10	1.75x500-12	0'-5"	TB1.1	1 3/4" x 5" 12ga Truss-to-Bearing Weld Plate
110	AL362	0'-4"	BB1, BB2/BL1.0	AL362 Stiff Clip
22	4x1.5x6-90°	0'-6"	SB3/BL1.0	4" x 1 1/2" x 6" Bent 90° 14ga clip
22	4x1.5x6-108°	0'-6"	SB3/BL1.0	4" x 1 1/2" x 6" Bent 108° 14ga clip

BRACING

QTY	LABEL	LENGTH	AREA	DESCRIPTION
150	150F125-33	5'-0"	CONST	1 1/2" 20ga. Hat-Channel (figured at +/-10' on center)
70	150F125-33	12'-6"	B.C.	1 1/2" 20ga. Hat-Channel (see BL1.0)

MISCELLANEOUS

QTY	LABEL	LENGTH	DETAIL	DESCRIPTION
25	OL1	5'-9 1/2"	OUTLKR	600S162-43 Outlooker
16	OL2	6'-4 3/4"	OUTLKR	362S162-43 Outlooker
8	OL3A	2'-1 1/4"	OUTLKR	600S162-43 Outlooker
8	OL3B	6'-8 1/2"	OUTLKR	600S162-43 Outlooker
12	OL362	3'-10"	OUTLKR	362S162-43 Blocking between outlookers
34	OL600	3'-10"	OUTLKR	600S162-43 Blocking between outlookers
9	362T125-43	10'-0"	OUTLKR	Cap Track (each end of Outlookers)
30	600T125-43	10'-0"	OUTLKR	Cap Track (each end of Outlookers)
100	3x1.5x2.5-18	0'-2 1/2"	OUTLKR	18ga. Clips (each end of Outlooker Blocking)
16	AL362	0'-4"	4, 8/TL2.0	AL362 Stiff Clip - Outlooker to beam Connection
10	250S162-43	10'-0"	SB3/BL1.0	2 1/2" 18ga C-stud shear blocking
10	200STRAP	10'-0"	SB3/BL1.0	2" Wide 18ga. Flat Strap
32	362S162-43	12'-0"	BB1, BB2/BL1.0	3 5/8" 18ga diagonal and lateral C-stud bracing
40	HBG8BPO-12X112	0'-1 1/2"	3/TL2.0	1/2"-13 x 1 1/2" Conquest Grade 8 Flange Bolt
40	HNG2-12HDG		3/TL2.0	1/2"-13 Conquest Grade 2 Hex Nut
40	ABW12-HDG		3/TL2.0	1/2" Conquest USS Flat Washer
60	SC62-5/97-KT25		3/TL2.0	Simpson SC62-5/97 Slide-Clip

JOB NAME: Jackson County Airport Terminal

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	05/14/25

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SP1.0