

UPLIFT REACTION(S) :

Support	C&C Wind	Main Wind	Non-Wind
1	-374 lb	-377 lb	
2			-34 lb
4	-260 lb	-242 lb	-131 lb
5			-144 lb
7	-357 lb	-247 lb	-112 lb
8	-302 lb	-156 lb	-69 lb
10	-171 lb	-74 lb	-137 lb
11	-352 lb	-238 lb	-70 lb
13			-182 lb
14	-253 lb	-238 lb	-84 lb
17	-357 lb	-359 lb	

THIS DESIGN IS THE COMPOSITE RESULT OF MULTIPLE LOAD CASES. Loaded for 10 PSF non-concurrent BCLL. Loaded for 200 lb non-concurrent moving BCLL. Mark all interior bearing locations. Install interior support(s) before erection. This truss is designed using the ASCE7-16 Wind Specification. Bldg Enclosed = Yes, Truss Location = End Zone, Exp Category = B, Bldg Length = 60.00 ft, Bldg Width = 25.00 ft, Mean roof height = 13.25 ft, mph = 160, Occupancy Category II, Wind Dead Load = 7.20 psf. Designed as Main Wind Force Resisting System - Low-rise and Components and Cladding. Tributary Area = 48 sqft. Uplifts based on elevation at or above 0 ft

This design based on chord bracing applied per the following schedule:

	max o.c.	from	to
TC	12.00"	-2-0-0	26-0-0
BC	12.00"	0-0-0	24-0-0

Galvanization: G60

REACTIONS

Brg	Reac	Horiz	Brg	Reac	Horiz
1	522	0	10	398	-99
2	275	185	11	442	158
3	221	16	12	211	0
4	400	-214	13	351	-67
5	400	54	14	454	209
6	211	0	15	210	0
7	426	-169	16	243	-171
8	514	140	17	501	-21
9	211	0			

Type	ID	SECTION	Fy (ksi)	Joints
TC	1	20TC20	50	
BC	1	20TC20	50	
WEB	1	20TC20	50	

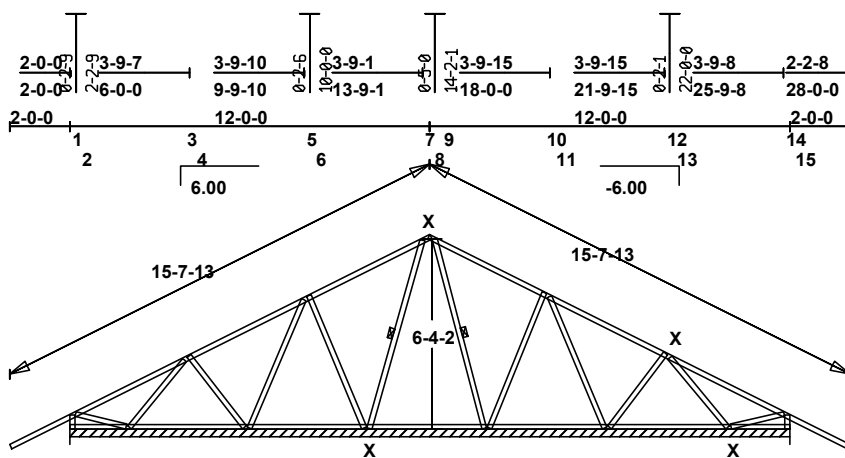
20 psf bottom chord live load NOT required on this truss, per IBC/IRC requirements for attics with limited storage.

TC	FORCE	AXL	BND	CSI	ID	SCRWS
OL-1	91	0.02	0.68	0.68	1	
1-2	179	0.03	0.60	0.63	1	
2-3	250	0.04	0.42	0.46	1	
3-4	-76	0.01	0.36	0.37	1	
4-5	250	0.04	0.50	0.52	1	
5-6	-197	0.03	0.60	0.61	1	
6-7	357	0.03	0.75	0.77	1	
7-8	109	0.00	0.14	0.14	1	
8-9	140	0.01	0.06	0.07	1	
9-10	302	0.02	0.73	0.75	1	
10-11	-147	0.02	0.60	0.60	1	
11-12	231	0.04	0.50	0.52	1	
12-13	-88	0.02	0.38	0.39	1	
13-14	223	0.04	0.43	0.46	1	
14-15	172	0.03	0.60	0.63	1	
15-OR	91	0.02	0.68	0.68	1	

	DEFLECTION	LOC.	ALLOW.	LC
Vert TL:	-0.07"	(L/999)	6-7	L/240 41
Vert LL:	-0.06"	(L/999)	6-7	L/360 41
Horz TL:	0.01"			

Cantilever

Vert TL:	-0.14"	(L/165)	OL-1	L/90 1
Vert LL:	-0.11"	(L/205)	OL-1	L/120 1



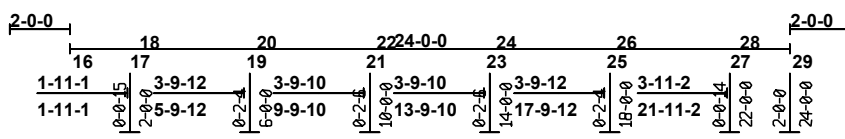
==== Joint Locations ====

1	0-0-0	16	0-0-0
2	0-2-9	17	1-11-1
3	3-9-15	18	2-0-0
4	4-0-0	19	5-9-12
5	7-9-10	20	6-0-0
6	8-0-0	21	9-9-10
7	11-9-1	22	10-0-0
8	12-0-0	23	13-9-10
9	12-2-1	24	14-0-0
10	15-9-10	25	17-9-12
11	16-0-0	26	18-0-0
12	19-9-15	27	21-11-2
13	20-0-0	28	22-0-0
14	23-9-8	29	24-0-0
15	24-0-0		

== X-Brac. Locations (Joints) ==

BC	TC
21	7
27	13

BC	FORCE	AXL	BND	CSI	ID	SCRWS
16-17	0	0.00	0.17	0.17	1	
17-18	-237	0.03	0.10	0.13	1	
18-19	16	0.00	0.12	0.12	1	
19-20	0	0.00	0.14	0.14	1	
20-21	0	0.00	0.14	0.14	1	
21-22	0	0.00	0.14	0.14	1	
22-23	0	0.00	0.14	0.14	1	
23-24	0	0.00	0.14	0.14	1	
24-25	0	0.00	0.14	0.14	1	
25-26	0	0.00	0.15	0.15	1	
26-27	0	0.00	0.15	0.15	1	
27-28	-183	0.04	0.13	0.17	1	
28-29	-21	0.00	0.19	0.19	1	



WEB	FORCE	CSI	ID	SCRWS
1-16	-506	0.09	1	
2-17	139	0.03	1	
3-18	-284	0.21	1	
4-19	-347	0.25	1	
5-20	-137	0.22	1	
6-21	-439	0.73	1	
7-22	-513	0.52	1	
9-23	-391	0.40	1	
10-24	-417	0.71	1	
11-25	-173	0.29	1	
12-26	-345	0.26	1	
13-27	-245	0.19	1	

Each connection requires 3/8" diameter proprietary bolt supplied by NUCONSTEEL. The required number of double-sided #14 screws at each end of the truss member: SP = Spacer supplied by NUCONSTEEL

OVER CONTINUOUS SUPPORT

Scale: 5/32" = 1'



WARNING Read all notes on this sheet and verify all design parameters. Truss design on this sheet is only valid with NUTRUS sections and is for an individual building component, not a truss system. Bracing shown on this drawing is not erection bracing, wind bracing, portal bracing or similar bracing which is part of the building design and which must be considered by the building designer. Bracing shown is lateral bracing of truss members only. Any additional bracing, temporary and/or permanent, is the responsibility of the truss erector and/or the building designer. The Professional Engineer's seal indicates only that the truss assembly shown on this sheet meets the acceptable design criteria for the loads, loading condition, truss configuration and spans specified.

Designer:	Dsgn Chk:	Engg Chk:	Cutting :
TC Live	42.00 psf	TC Dead	10.00 psf
BC Live	0.00 psf	BC Dead	10.00 psf
TOTAL	62.00 psf		

WO: C61224E_Trusses
 Design Spec: AISI S100-2012
 Bldg Spec: IBC-2018
 Date: 11/23/2022@
 Seqn S8.1.0a - 6302