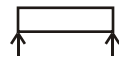


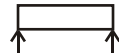
Typical Floor Truss Design Spans

Every TrusSteel floor truss is a custom design based upon the unique load, span, bearing, use, and code criteria of a particular project. The load / span tables shown below demonstrate only a tiny subset of the possible combinations available with TrusSteel CFS floor trusses.

Chord Size O.C. Truss Spacing Depth	Load 1 40, 10, 5 psf								Load 2 80, 10, 5 psf							
	TSC2.75				TSC4.00				TSC2.75				TSC4.00			
	12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
12"	22	20	18	17	24	24	22	20	17	15	14	13	21	18	18	16
14"	25	22	21	19	28	27	25	23	19	17	16	15	24	21	20	18
16"	28	25	23	21	32	31	28	25	22	19	18	17	27	24	22	20
18"	31	27	26	23	36	34	31	29	24	21	20	18	29	26	24	22
20"	33	30	28	26	40	37	34	31	26	23	22	20	32	29	27	24
22"	36	32	30	27	44	39	37	34	28	25	23	22	34	31	29	26
24"	38	34	32	29	47	42	39	36	30	27	25	23	37	33	31	28



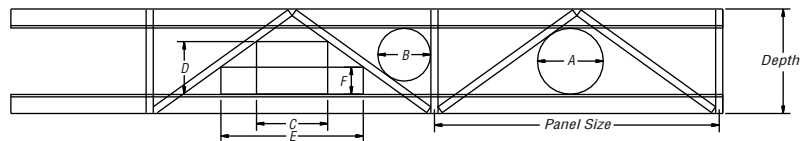
Chord Size O.C. Truss Spacing Depth	Load 3 125, 10, 5 psf							
	TSC2.75				TSC4.00			
	12"	16"	19.2"	24"	12"	16"	19.2"	24"
12"	14	13	12	11	17	16	14	13
14"	16	14	14	13	20	18	17	15
16"	18	16	15	14	22	20	19	17
18"	20	18	17	15	25	22	21	19
20"	22	19	18	16	27	24	22	21
22"	23	21	20	18	29	26	24	22
24"	25	22	21	18	31	28	26	24



General Notes:

- Spans Shown in charts are in feet.
- Loads shown above are outlined as Top Chord Live Load (TCLL), Top Chord Dead Load (TCDL), and Bottom Chord Dead Load (BCDL).
- Top and bottom chords designed assuming structural sheathing offers lateral restraint.
- Deflection limits: Live Load - L/480
Total Load - L/360
- Chases are to be located in center of span. Maximum chase width allowed is 24 inches.
- Refer to TrusSteel Technical Bulletin TB971125 for TrusSteel floor truss design criteria.
- Designs may include multiple gauges for top and bottom chords as determined by the designer using Alpine's VIEW engineering software. Maximum chord gauges are 18 gauge for the TSC2.75 chord and 16 gauge for the TSC4.00 chord.

Allowable Duct Sizes



Typical Duct Opening Sizes for 2.75" Chord Size Steel Floor Truss

Depth	Panel Size	A	B	C	D	E	F
12"	60.00	6.25	6.00	14.00	5.00	20.00	4.00
14"	60.00	8.25	7.50	17.00	5.75	22.00	4.75
16"	60.00	10.25	8.75	14.00	8.00	27.00	4.75
18"	60.00	12.25	10.00	14.50	9.50	26.00	6.00
20"	60.00	14.25	11.00	14.50	11.00	26.00	7.25
22"	60.00	15.75	12.00	15.00	12.25	30.00	6.75
24"	60.00	17.25	12.75	16.00	13.25	32.00	7.00

Typical Duct Opening Sizes for 4.00" Chord Size Floor Truss

Depth	Panel Size	A	B	C	D	E	F
12"	60.00	3.75	3.75	14.00	3.75	20.00	2.75
14"	60.00	5.75	5.75	17.00	4.50	22.00	3.50
16"	60.00	7.75	7.75	14.00	6.75	27.00	3.50
18"	60.00	9.75	9.00	14.50	8.25	26.00	4.75
20"	60.00	11.75	10.00	14.50	9.75	26.00	6.00
22"	60.00	13.75	11.00	15.00	11.00	30.00	5.50

All panel and duct opening size dimensions shown above are in inches.

