

TTI 400S MAXIMUM FLOOR SPANS

40 psf Unfactored Live Load
25 psf Unfactored Dead Load
Limit States Design (LSD) 100% Load Duration
L/480 Live Load Deflection Criteria
L/240 Total Load Deflection Criteria

Legend:

Assembly "A" = Glued & Nailed subfloor with no additional components added.
Assembly "B" = Assembly "A" plus 1/2" thick gypsum ceiling applied directly to the bottom flange.
Assembly "C" = Assembly "B" with an additional row of I-joint blocking at mid-span.
Assembly "D" = Assembly "A" with an additional row of I-joint blocking at mid-span.

Joists Depth	Assembly	Span	19/32" OSB GLUED & NAILED			23/32" OSB GLUED & NAILED				7/8" OSB GLUED & NAILED			
			o.c. spacing			o.c. spacing				o.c. spacing			
			12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
7 7/8"	A	Single	14-1"	13-4"	12-11"	14-11"	13-11"	13-2"	12-3"	15-5"	14-1"	13-4"	12-5"
		Continuous	14-7"	13-9"	13-4"	15-5"	14-7"	13-11"	12-5"	16-4"	15-3"	13-11"	12-5"
	B	Single	14-6"	13-9"	13-0"	15-3"	13-11"	13-2"	12-3"	15-5"	14-1"	13-4"	12-5"
		Continuous	15-0"	14-2"	13-9"	15-10"	14-11"	13-11"	12-5"	16-9"	15-3"	13-11"	12-5"
	C	Single	15-2"	13-10"	13-0"	15-3"	13-11"	13-2"	12-3"	15-5"	14-1"	13-4"	12-5"
		Continuous	16-5"	14-11"	13-11"	16-7"	15-1"	13-11"	12-5"	16-9"	15-3"	13-11"	12-5"
	D	Single	14-11"	13-10"	13-0"	15-3"	13-11"	13-2"	12-3"	15-5"	14-1"	13-4"	12-5"
		Continuous	15-5"	14-7"	13-11"	16-1"	15-1"	13-11"	12-5"	16-9"	15-3"	13-11"	12-5"
8 5/8"	A	Single	14-9"	14-0"	13-6"	15-8"	14-9"	14-2"	13-2"	16-6"	15-2"	14-4"	13-4"
		Continuous	15-4"	14-5"	14-0"	16-2"	15-3"	14-8"	13-2"	17-1"	16-2"	14-9"	13-2"
	B	Single	15-3"	14-4"	13-11"	16-0"	15-0"	14-2"	13-2"	16-7"	15-2"	14-4"	13-4"
		Continuous	15-9"	14-10"	14-5"	16-7"	15-8"	14-9"	13-2"	17-6"	16-2"	14-9"	13-2"
	C	Single	16-3"	14-10"	14-0"	16-5"	15-0"	14-2"	13-2"	16-7"	15-2"	14-4"	13-4"
		Continuous	17-5"	16-1"	14-9"	17-10"	16-2"	14-9"	13-2"	18-0"	16-2"	14-9"	13-2"
	D	Single	15-8"	14-10"	14-0"	16-4"	15-0"	14-2"	13-2"	16-7"	15-2"	14-4"	13-4"
		Continuous	16-2"	15-4"	14-9"	16-11"	16-0"	14-9"	13-2"	17-8"	16-2"	14-9"	13-2"
9 1/4"	A	Single	15-5"	14-6"	14-1"	16-3"	15-4"	14-9"	13-11"	17-2"	16-1"	15-2"	13-11"
		Continuous	15-11"	15-0"	14-6"	16-10"	15-10"	15-3"	13-9"	17-10"	16-10"	15-5"	13-9"
	B	Single	15-10"	14-11"	14-5"	16-8"	15-9"	15-0"	13-11"	17-7"	16-1"	15-2"	13-11"
		Continuous	16-5"	15-6"	15-0"	17-3"	16-4"	15-5"	13-9"	18-4"	16-11"	15-5"	13-9"
	C	Single	17-4"	15-9"	14-11"	17-5"	15-11"	15-0"	13-11"	17-7"	16-1"	15-2"	13-11"
		Continuous	18-4"	16-11"	15-5"	18-11"	16-11"	15-5"	13-9"	19-1"	16-11"	15-5"	13-9"
	D	Single	16-4"	15-6"	14-11"	17-1"	15-11"	15-0"	13-11"	17-7"	16-1"	15-2"	13-11"
		Continuous	16-11"	16-0"	15-5"	17-7"	16-8"	15-5"	13-9"	18-7"	16-11"	15-5"	13-9"
9 1/2"	A	Single	15-7"	14-9"	14-3"	16-6"	15-7"	15-0"	14-1"	17-5"	16-5"	15-7"	14-1"
		Continuous	16-2"	15-3"	14-9"	17-1"	16-1"	15-6"	13-11"	18-2"	17-0"	15-8"	13-11"
	B	Single	16-1"	15-2"	14-8"	16-11"	15-11"	15-4"	14-1"	17-10"	16-6"	15-7"	14-1"
		Continuous	16-8"	15-8"	15-2"	17-6"	16-6"	15-8"	13-11"	18-8"	17-2"	15-8"	13-11"
	C	Single	17-9"	16-2"	15-3"	17-10"	16-3"	15-4"	14-1"	18-0"	16-6"	15-7"	14-1"
		Continuous	18-8"	17-2"	15-8"	19-4"	17-2"	15-8"	13-11"	19-7"	17-2"	15-8"	13-11"
	D	Single	16-7"	15-8"	15-3"	17-4"	16-3"	15-4"	14-1"	18-0"	16-6"	15-7"	14-1"
		Continuous	17-2"	16-2"	15-8"	17-11"	16-11"	15-8"	13-11"	18-11"	17-2"	15-8"	13-11"
11 1/4"	A	Single	17-0"	16-1"	15-6"	18-0"	16-11"	16-4"	15-7"	19-3"	17-11"	17-3"	15-7"
		Continuous	17-8"	16-7"	16-1"	18-10"	17-6"	16-11"	15-5"	20-3"	18-9"	17-4"	15-5"
	B	Single	17-6"	16-6"	16-0"	18-7"	17-5"	16-9"	15-7"	19-10"	18-6"	17-5"	15-7"
		Continuous	18-3"	17-2"	16-7"	19-6"	18-1"	17-4"	15-5"	20-10"	19-0"	17-4"	15-5"
	C	Single	20-2"	18-5"	17-5"	20-5"	18-7"	17-5"	15-7"	20-7"	18-9"	17-5"	15-7"
		Continuous	21-1"	19-0"	17-4"	21-11"	19-0"	17-4"	15-5"	22-0"	19-0"	17-4"	15-5"
	D	Single	18-3"	17-2"	16-8"	19-3"	17-11"	17-3"	15-7"	20-3"	18-9"	17-5"	15-7"
		Continuous	19-1"	17-9"	17-2"	20-1"	18-8"	17-4"	15-5"	21-2"	19-0"	17-4"	15-5"
11 7/8"	A	Single	17-6"	16-6"	16-0"	18-7"	17-5"	16-9"	16-1"	20-0"	18-7"	17-9"	16-1"
		Continuous	18-3"	17-1"	16-6"	19-6"	18-1"	17-4"	15-11"	20-11"	19-5"	17-10"	15-11"
	B	Single	18-0"	17-0"	16-5"	19-3"	17-11"	17-3"	16-1"	20-7"	19-2"	18-0"	16-1"
		Continuous	18-11"	17-8"	17-1"	20-2"	18-9"	17-10"	15-11"	21-7"	19-7"	17-10"	15-11"
	C	Single	21-0"	19-3"	18-0"	21-3"	19-5"	18-0"	16-1"	21-5"	19-7"	18-0"	16-1"
		Continuous	21-11"	19-7"	17-10"	22-8"	19-7"	17-10"	15-11"	22-8"	19-7"	17-10"	15-11"
	D	Single	18-11"	17-8"	17-2"	19-11"	18-7"	17-9"	16-1"	21-0"	19-7"	18-0"	16-1"
		Continuous	19-10"	18-5"	17-8"	20-10"	19-5"	17-10"	15-11"	22-0"	19-7"	17-10"	15-11"
14"	A	Single	19-4"	17-11"	17-4"	20-8"	19-2"	18-4"	17-6"	22-2"	20-7"	19-7"	17-8"
		Continuous	20-3"	18-10"	18-1"	21-9"	20-1"	19-2"	17-0"	23-3"	21-6"	19-7"	17-0"
	B	Single	20-1"	18-8"	17-11"	21-5"	19-11"	19-0"	17-8"	22-10"	21-4"	19-9"	17-8"
		Continuous	21-1"	19-7"	18-9"	22-6"	20-11"	19-7"	17-0"	24-0"	21-6"	19-7"	17-0"
	C	Single	23-8"	21-8"	19-9"	24-2"	21-8"	19-9"	17-8"	24-4"	21-8"	19-9"	17-8"
		Continuous	24-8"	21-6"	19-7"	24-11"	21-6"	19-7"	17-0"	24-11"	21-6"	19-7"	17-0"
	D	Single	21-3"	19-9"	18-11"	22-3"	20-9"	19-9"	17-8"	23-5"	21-8"	19-9"	17-8"
		Continuous	22-2"	20-8"	19-7"	23-4"	21-6"	19-7"	17-0"	24-6"	21-6"	19-7"	17-0"
16"	A	Single	21-1"	19-7"	18-9"	22-7"	20-11"	19-11"	18-11"	24-1"	22-5"	21-4"	19-0"
		Continuous	22-1"	20-6"	19-8"	23-8"	21-11"	20-11"	17-0"	25-4"	23-2"	21-2"	17-0"
	B	Single	21-11"	20-4"	19-6"	23-4"	21-8"	20-8"	19-0"	24-11"	23-2"	21-4"	19-0"
		Continuous	23-0"	21-5"	20-6"	24-6"	22-9"	21-2"	17-0"	26-2"	23-2"	21-2"	17-0"
	C	Single	26-1"	23-4"	21-4"	26-9"	23-4"	21-4"	19-0"	27-0"	23-4"	21-4"	19-0"
		Continuous	26-10"	23-2"	21-2"	26-10"	23-2"	21-2"	17-0"	26-10"	23-2"	21-2"	17-0"
	D	Single	23-3"	21-7"	20-9"	24-5"	22-8"	21-4"	19-0"	25-7"	23-4"	21-4"	19-0"
		Continuous	24-4"	22-7"	21-2"	25-6"	23-2"	21-2"	17-0"	26-10"	23-2"	21-2"	17-0"

Design notes provided on page 9.

TTI 400S MAXIMUM FLOOR SPANS

40 psf Unfactored Live Load
30 psf Unfactored Dead Load
 Limit States Design (LSD) 100% Load Duration
 L/480 Live Load Deflection Criteria
 L/240 Total Load Deflection Criteria

Legend:

Assembly "A" = Glued & Nailed subfloor with no additional components added.
 Assembly "B" = Assembly "A" plus 1/2" thick gypsum ceiling applied directly to the bottom flange.
 Assembly "C" = Assembly "B" with an additional row of I-joist blocking at mid-span.
 Assembly "D" = Assembly "A" with an additional row of I-joist blocking at mid-span.

Joists Depth	Assembly	Span	19/32" OSB GLUED & NAILED			23/32" OSB GLUED & NAILED				7/8" OSB GLUED & NAILED			
			o.c. spacing			o.c. spacing				o.c. spacing			
			12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
7 7/8"	A	Single	14-1"	13-4"	12-11"	14-11"	13-11"	13-2"	12-2"	15-5"	14-1"	13-4"	12-2"
		Continuous	14-7"	13-9"	13-4"	15-5"	14-7"	13-6"	12-0"	16-4"	14-9"	13-6"	12-0"
	B	Single	14-6"	13-9"	13-0"	15-3"	13-11"	13-2"	12-2"	15-5"	14-1"	13-4"	12-2"
		Continuous	15-0"	14-2"	13-6"	15-10"	14-9"	13-6"	12-0"	16-9"	14-9"	13-6"	12-0"
	C	Single	15-2"	13-10"	13-0"	15-3"	13-11"	13-2"	12-2"	15-5"	14-1"	13-4"	12-2"
		Continuous	16-5"	14-9"	13-6"	16-7"	14-9"	13-6"	12-0"	16-9"	14-9"	13-6"	12-0"
	D	Single	14-11"	13-10"	13-0"	15-3"	13-11"	13-2"	12-2"	15-5"	14-1"	13-4"	12-2"
		Continuous	15-5"	14-7"	13-6"	16-1"	14-9"	13-6"	12-0"	16-9"	14-9"	13-6"	12-0"
8 5/8"	A	Single	14-9"	14-0"	13-6"	15-8"	14-9"	14-2"	12-10"	16-6"	15-2"	14-4"	12-10"
		Continuous	15-4"	14-5"	14-0"	16-2"	15-3"	14-3"	12-9"	17-1"	15-8"	14-3"	12-9"
	B	Single	15-3"	14-4"	13-11"	16-0"	15-0"	14-2"	12-10"	16-7"	15-2"	14-4"	12-10"
		Continuous	15-9"	14-10"	14-3"	16-7"	15-8"	14-3"	12-9"	17-6"	15-8"	14-3"	12-9"
	C	Single	16-3"	14-10"	14-0"	16-5"	15-0"	14-2"	12-10"	16-7"	15-2"	14-4"	12-10"
		Continuous	17-5"	15-8"	14-3"	17-10"	15-8"	14-3"	12-9"	18-0"	15-8"	14-3"	12-9"
	D	Single	15-8"	14-10"	14-0"	16-4"	15-0"	14-2"	12-10"	16-7"	15-2"	14-4"	12-10"
		Continuous	16-2"	15-4"	14-3"	16-11"	15-8"	14-3"	12-9"	17-8"	15-8"	14-3"	12-9"
9 1/4"	A	Single	15-5"	14-6"	14-1"	16-3"	15-4"	14-9"	13-5"	17-2"	16-1"	15-0"	13-5"
		Continuous	15-11"	15-0"	14-6"	16-10"	15-10"	14-11"	13-3"	17-10"	16-4"	14-11"	13-3"
	B	Single	15-10"	14-11"	14-5"	16-8"	15-9"	15-0"	13-5"	17-7"	16-1"	15-0"	13-5"
		Continuous	16-5"	15-6"	14-11"	17-3"	16-4"	14-11"	13-3"	18-4"	16-4"	14-11"	13-3"
	C	Single	17-4"	15-9"	14-11"	17-5"	15-11"	15-0"	13-5"	17-7"	16-1"	15-0"	13-5"
		Continuous	18-4"	16-4"	14-11"	18-11"	16-4"	14-11"	13-3"	18-11"	16-4"	14-11"	13-3"
	D	Single	16-4"	15-6"	14-11"	17-1"	15-11"	15-0"	13-5"	17-7"	16-1"	15-0"	13-5"
		Continuous	16-11"	16-0"	14-11"	17-7"	16-4"	14-11"	13-3"	18-7"	16-4"	14-11"	13-3"
9 1/2"	A	Single	15-7"	14-9"	14-3"	16-6"	15-7"	15-0"	13-8"	17-5"	16-5"	15-3"	13-8"
		Continuous	16-2"	15-3"	14-9"	17-1"	16-1"	15-1"	13-6"	18-2"	16-7"	15-1"	13-6"
	B	Single	16-1"	15-2"	14-8"	16-11"	15-11"	15-3"	13-8"	17-10"	16-6"	15-3"	13-8"
		Continuous	16-8"	15-8"	15-1"	17-6"	16-6"	15-1"	13-6"	18-8"	16-7"	15-1"	13-6"
	C	Single	17-9"	16-2"	15-3"	17-10"	16-3"	15-3"	13-8"	18-0"	16-6"	15-3"	13-8"
		Continuous	18-8"	16-7"	15-1"	19-3"	16-7"	15-1"	13-6"	19-3"	16-7"	15-1"	13-6"
	D	Single	16-7"	15-8"	15-3"	17-4"	16-3"	15-3"	13-8"	18-0"	16-6"	15-3"	13-8"
		Continuous	17-2"	16-2"	15-1"	17-11"	16-7"	15-1"	13-6"	18-11"	16-7"	15-1"	13-6"
11 1/4"	A	Single	17-0"	16-1"	15-6"	18-0"	16-11"	16-4"	15-1"	19-3"	17-11"	16-10"	15-1"
		Continuous	17-8"	16-7"	16-1"	18-10"	17-6"	16-9"	14-11"	20-3"	18-4"	16-9"	14-11"
	B	Single	17-6"	16-6"	16-0"	18-7"	17-5"	16-9"	15-1"	19-10"	18-6"	16-10"	15-1"
		Continuous	18-3"	17-2"	16-7"	19-6"	18-1"	16-9"	14-11"	20-10"	18-4"	16-9"	14-11"
	C	Single	20-2"	18-5"	16-10"	20-5"	18-6"	16-10"	15-1"	20-7"	18-6"	16-10"	15-1"
		Continuous	21-1"	18-4"	16-9"	21-3"	18-4"	16-9"	14-11"	21-3"	18-4"	16-9"	14-11"
	D	Single	18-3"	17-2"	16-8"	19-3"	17-11"	16-10"	15-1"	20-3"	18-6"	16-10"	15-1"
		Continuous	19-1"	17-9"	16-9"	20-1"	18-4"	16-9"	14-11"	21-2"	18-4"	16-9"	14-11"
11 7/8"	A	Single	17-6"	16-6"	16-0"	18-7"	17-5"	16-9"	15-7"	20-0"	18-7"	17-5"	15-7"
		Continuous	18-3"	17-1"	16-6"	19-6"	18-1"	17-3"	15-5"	20-11"	18-11"	17-3"	15-5"
	B	Single	18-0"	17-0"	16-5"	19-3"	17-11"	17-3"	15-7"	20-7"	19-1"	17-5"	15-7"
		Continuous	18-11"	17-8"	17-1"	20-2"	18-9"	17-3"	15-5"	21-7"	18-11"	17-3"	15-5"
	C	Single	21-0"	19-1"	17-5"	21-3"	19-1"	17-5"	15-7"	21-5"	19-1"	17-5"	15-7"
		Continuous	21-11"	18-11"	17-3"	21-11"	18-11"	17-3"	15-5"	21-11"	18-11"	17-3"	15-5"
	D	Single	18-11"	17-8"	17-2"	19-11"	18-7"	17-5"	15-7"	21-0"	19-1"	17-5"	15-7"
		Continuous	19-10"	18-5"	17-3"	20-10"	18-11"	17-3"	15-5"	21-11"	18-11"	17-3"	15-5"
14"	A	Single	19-4"	17-11"	17-4"	20-8"	19-2"	18-4"	17-1"	22-2"	20-7"	19-1"	17-1"
		Continuous	20-3"	18-10"	18-1"	21-9"	20-1"	19-0"	15-10"	23-3"	20-10"	19-0"	15-10"
	B	Single	20-1"	18-8"	17-11"	21-5"	19-11"	19-0"	17-1"	22-10"	21-0"	19-1"	17-1"
		Continuous	21-1"	19-7"	18-9"	22-6"	20-10"	19-0"	15-10"	24-0"	20-10"	19-0"	15-10"
	C	Single	23-8"	21-0"	19-1"	24-2"	21-0"	19-1"	17-1"	24-3"	21-0"	19-1"	17-1"
		Continuous	24-1"	20-10"	19-0"	24-1"	20-10"	19-0"	15-10"	24-1"	20-10"	19-0"	15-10"
	D	Single	21-3"	19-9"	18-11"	22-3"	20-9"	19-1"	17-1"	23-5"	21-0"	19-1"	17-1"
		Continuous	22-2"	20-8"	19-0"	23-4"	20-10"	19-0"	15-10"	24-1"	20-10"	19-0"	15-10"
16"	A	Single	21-1"	19-7"	18-9"	22-7"	20-11"	19-11"	18-5"	24-1"	22-5"	20-7"	18-5"
		Continuous	22-1"	20-6"	19-8"	23-8"	21-11"	19-11"	15-10"	25-4"	22-5"	19-11"	15-10"
	B	Single	21-11"	20-4"	19-6"	23-4"	21-8"	20-7"	18-5"	24-11"	22-7"	20-7"	18-5"
		Continuous	23-0"	21-5"	19-11"	24-6"	22-5"	19-11"	15-10"	25-11"	22-5"	19-11"	15-10"
	C	Single	26-1"	22-7"	20-7"	26-1"	22-7"	20-7"	18-5"	26-1"	22-7"	20-7"	18-5"
		Continuous	25-11"	22-5"	19-11"	25-11"	22-5"	19-11"	15-10"	25-11"	22-5"	19-11"	15-10"
	D	Single	23-3"	21-7"	20-7"	24-5"	22-7"	20-7"	18-5"	25-7"	22-7"	20-7"	18-5"
		Continuous	24-4"	22-5"	19-11"	25-6"	22-5"	19-11"	15-10"	25-11"	22-5"	19-11"	15-10"

Design notes provided on page 9.

TTI 600S MAXIMUM FLOOR SPANS

40 psf Unfactored Live Load
25 psf Unfactored Dead Load
Limit States Design (LSD) 100% Load Duration
L/480 Live Load Deflection Criteria
L/240 Total Load Deflection Criteria

Legend:

Assembly "A" = Glued & Nailed subfloor with no additional components added.
Assembly "B" = Assembly "A" plus 1/2" thick gypsum ceiling applied directly to the bottom flange.
Assembly "C" = Assembly "B" with an additional row of I-joint blocking at mid-span.
Assembly "D" = Assembly "A" with an additional row of I-joint blocking at mid-span.

Joists Depth	Assembly	Span	19/32" OSB GLUED & NAILED			23/32" OSB GLUED & NAILED				7/8" OSB GLUED & NAILED			
			o.c. spacing			o.c. spacing				o.c. spacing			
			12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
7 7/8"	A	Single	14-6"	13-8"	13-3"	15-4"	14-6"	13-9"	12-10"	16-2"	14-9"	14-0"	13-0"
		Continuous	15-0"	14-2"	13-8"	15-10"	14-11"	14-5"	13-10"	16-10"	15-10"	15-1"	14-0"
	B	Single	14-11"	14-1"	13-7"	15-8"	14-7"	13-9"	12-10"	16-2"	14-9"	14-0"	13-0"
		Continuous	15-5"	14-7"	14-1"	16-3"	15-4"	14-9"	13-10"	17-2"	16-0"	15-1"	14-0"
	C	Single	15-11"	14-6"	13-8"	16-0"	14-7"	13-9"	12-10"	16-2"	14-9"	14-0"	13-0"
		Continuous	17-0"	15-8"	14-9"	17-4"	15-10"	14-11"	13-10"	17-7"	16-0"	15-1"	14-0"
	D	Single	15-4"	14-6"	13-8"	16-0"	14-7"	13-9"	12-10"	16-2"	14-9"	14-0"	13-0"
		Continuous	15-10"	15-0"	14-6"	16-6"	15-8"	14-11"	13-10"	17-4"	16-0"	15-1"	14-0"
8 5/8"	A	Single	15-3"	14-4"	13-11"	16-1"	15-2"	14-7"	13-10"	17-0"	15-11"	15-0"	14-0"
		Continuous	15-9"	14-10"	14-4"	16-8"	15-8"	15-1"	14-6"	17-7"	16-7"	16-0"	14-7"
	B	Single	15-7"	14-9"	14-3"	16-5"	15-6"	14-10"	13-10"	17-4"	16-11"	15-0"	14-0"
		Continuous	16-2"	15-3"	14-9"	17-0"	16-1"	15-6"	14-7"	18-0"	17-0"	16-3"	14-7"
	C	Single	17-1"	15-7"	14-8"	17-3"	15-9"	14-10"	13-10"	17-5"	15-11"	15-0"	14-0"
		Continuous	17-10"	16-11"	15-11"	18-8"	17-0"	16-0"	14-7"	18-10"	17-3"	16-3"	14-7"
	D	Single	16-1"	15-3"	14-8"	16-10"	15-9"	14-10"	13-10"	17-5"	15-11"	15-0"	14-0"
		Continuous	16-8"	15-9"	15-3"	17-4"	16-5"	15-10"	14-7"	18-3"	17-2"	16-3"	14-7"
9 1/4"	A	Single	15-10"	14-11"	14-5"	16-9"	15-9"	15-2"	14-7"	17-8"	16-8"	16-0"	14-10"
		Continuous	16-5"	15-5"	14-11"	17-4"	16-4"	15-9"	14-7"	18-6"	17-3"	16-8"	14-7"
	B	Single	16-3"	15-4"	14-10"	17-1"	16-2"	15-7"	14-8"	18-1"	16-11"	16-0"	14-10"
		Continuous	16-10"	15-11"	15-4"	17-9"	16-9"	16-1"	14-7"	19-0"	17-8"	17-0"	14-7"
	C	Single	18-1"	16-7"	15-8"	18-4"	16-9"	15-9"	14-8"	18-6"	16-11"	16-0"	14-10"
		Continuous	18-11"	17-7"	16-11"	19-8"	18-2"	17-1"	14-7"	20-1"	18-4"	17-3"	14-7"
	D	Single	16-10"	15-11"	15-5"	17-6"	16-7"	15-9"	14-8"	18-5"	16-11"	16-0"	14-10"
		Continuous	17-4"	16-5"	15-11"	18-2"	17-1"	16-6"	14-7"	19-3"	17-11"	17-3"	14-7"
9 1/2"	A	Single	16-1"	15-2"	14-8"	17-0"	16-0"	15-5"	14-9"	17-11"	16-11"	16-3"	15-2"
		Continuous	16-8"	15-8"	15-2"	17-7"	16-7"	15-11"	14-7"	18-10"	17-6"	16-10"	14-7"
	B	Single	16-6"	15-7"	15-0"	17-4"	16-4"	15-9"	15-0"	18-5"	17-3"	16-4"	15-2"
		Continuous	17-1"	16-1"	15-7"	18-1"	17-0"	16-4"	14-7"	19-4"	18-0"	17-3"	14-7"
	C	Single	18-5"	17-0"	16-0"	18-9"	17-1"	16-2"	15-0"	18-11"	17-3"	16-4"	15-2"
		Continuous	19-3"	17-11"	17-4"	20-1"	18-6"	17-6"	14-7"	20-7"	18-9"	17-8"	14-7"
	D	Single	17-1"	16-2"	15-7"	17-9"	16-10"	16-2"	15-0"	18-9"	17-3"	16-4"	15-2"
		Continuous	17-7"	16-8"	16-1"	18-6"	17-4"	16-9"	14-7"	19-7"	18-3"	17-6"	14-7"
11 1/4"	A	Single	17-7"	16-7"	16-0"	18-9"	17-5"	16-10"	16-2"	20-1"	18-7"	17-9"	17-0"
		Continuous	18-4"	17-2"	16-7"	19-7"	18-2"	17-5"	16-9"	21-0"	19-6"	18-7"	17-0"
	B	Single	18-1"	17-0"	16-5"	19-3"	17-11"	17-3"	16-6"	20-7"	19-2"	18-3"	17-4"
		Continuous	19-0"	17-8"	17-1"	20-3"	18-9"	17-11"	17-0"	21-7"	20-1"	19-2"	17-0"
	C	Single	20-11"	19-5"	18-4"	21-6"	19-7"	18-6"	17-2"	21-8"	19-10"	18-8"	17-5"
		Continuous	21-10"	20-4"	19-5"	22-8"	21-2"	20-0"	17-0"	23-7"	21-6"	20-3"	17-0"
	D	Single	19-0"	17-8"	17-1"	19-11"	18-7"	17-9"	17-1"	21-0"	19-7"	18-8"	17-5"
		Continuous	19-10"	18-5"	17-8"	20-10"	19-5"	18-6"	17-0"	22-0"	20-6"	19-7"	17-0"
11 7/8"	A	Single	18-1"	17-0"	16-5"	19-4"	17-11"	17-3"	16-7"	20-8"	19-3"	18-4"	17-5"
		Continuous	18-11"	17-7"	17-0"	20-3"	18-9"	17-11"	17-0"	21-8"	20-2"	19-2"	17-0"
	B	Single	18-8"	17-5"	16-10"	19-11"	18-6"	17-8"	17-0"	21-3"	19-9"	18-10"	17-10"
		Continuous	19-7"	18-2"	17-6"	20-11"	19-5"	18-6"	17-0"	22-4"	20-9"	19-10"	17-0"
	C	Single	21-8"	20-2"	19-1"	22-4"	20-5"	19-3"	17-10"	22-7"	20-7"	19-5"	18-1"
		Continuous	22-8"	21-1"	20-2"	23-6"	21-11"	20-10"	17-0"	24-6"	22-4"	21-0"	17-0"
	D	Single	19-8"	18-3"	17-7"	20-8"	19-2"	18-4"	17-6"	21-9"	20-3"	19-4"	18-1"
		Continuous	20-6"	19-1"	18-3"	21-7"	20-1"	19-2"	17-0"	22-9"	21-3"	20-3"	17-0"
14"	A	Single	20-1"	18-7"	17-10"	21-6"	19-11"	18-11"	18-0"	23-0"	21-4"	20-4"	19-2"
		Continuous	21-1"	19-6"	18-8"	22-6"	20-10"	19-11"	17-0"	24-1"	22-4"	21-3"	17-0"
	B	Single	20-9"	19-3"	18-6"	22-1"	20-6"	19-7"	18-7"	23-7"	22-0"	21-0"	19-9"
		Continuous	21-10"	20-3"	19-5"	23-3"	21-7"	20-7"	17-0"	24-10"	23-1"	21-3"	17-0"
	C	Single	24-5"	22-8"	21-8"	25-3"	23-2"	21-10"	20-3"	25-7"	23-4"	22-0"	20-6"
		Continuous	25-6"	23-9"	21-3"	26-5"	24-8"	21-3"	17-0"	27-5"	25-4"	21-3"	17-0"
	D	Single	22-0"	20-5"	19-7"	23-1"	21-5"	20-6"	19-5"	24-3"	22-8"	21-7"	20-5"
		Continuous	23-0"	21-4"	20-5"	24-2"	22-5"	21-3"	17-0"	25-5"	23-8"	21-3"	17-0"
16"	A	Single	21-11"	20-3"	19-5"	23-5"	21-8"	20-8"	19-7"	25-0"	23-3"	22-1"	20-10"
		Continuous	23-0"	21-3"	20-4"	24-7"	22-9"	21-3"	17-0"	26-3"	24-5"	21-3"	17-0"
	B	Single	22-8"	21-0"	20-2"	24-1"	22-5"	21-4"	20-3"	25-9"	24-0"	22-10"	21-7"
		Continuous	23-10"	22-1"	21-2"	25-4"	23-6"	21-3"	17-0"	27-0"	25-2"	21-3"	17-0"
	C	Single	26-11"	25-0"	23-11"	27-9"	25-8"	24-2"	22-4"	28-5"	25-10"	24-5"	22-4"
		Continuous	28-1"	25-7"	21-3"	29-0"	25-7"	21-3"	17-0"	30-1"	25-7"	21-3"	17-0"
	D	Single	24-1"	22-5"	21-5"	25-3"	23-6"	22-5"	21-3"	26-6"	24-9"	23-7"	22-3"
		Continuous	25-3"	23-5"	21-3"	26-6"	24-7"	21-3"	17-0"	27-10"	25-7"	21-3"	17-0"
18"	A	Single	23-7"	21-10"	20-11"	25-3"	23-4"	22-3"	21-1"	27-0"	25-0"	23-10"	22-5"
		Continuous	24-9"	22-11"	21-3"	26-6"	24-6"	21-3"	17-0"	28-4"	25-7"	21-3"	17-0"
	B	Single	24-5"	22-8"	21-9"	26-0"	24-2"	23-1"	21-10"	27-9"	25-10"	24-8"	23-3"
		Continuous	25-8"	23-10"	21-3"	27-4"	25-5"	21-3"	17-0"	29-2"	25-7"	21-3"	17-0"
	C	Single	29-3"	27-3"	26-0"	30-2"	28-1"	26-6"	23-10"	31-0"	28-4"	26-8"	23-10"
		Continuous	30-7"	25-7"	21-3"	31-6"	25-7"	21-3"	17-0"	32-11"	25-7"	21-3"	17-0"
	D	Single	26-2"	24-3"	23-3"	27-4"	25-5"	24-3"	23-0"	28-8"	26-9"	25-6"	23-10"
		Continuous	27-4"	25-5"	21-3"	28-8"	25-7"	21-3"	17-0"	30-1"	25-7"	21-3"	17-0"
20"	A	Single	25-1"	23-3"	22-3"	26-10"	24-10"	23-8"	22-5"	28-8"	26-7"	25-4"	23-10"
		Continuous	26-5"	24-5"	21-3"	28-3"	25-7"	21-3"	17-0"	30-2"	25-7"	21-3"	17-0"
	B	Single	26-1"	24-2"	23-2"	27-8"	25-9"	24-7"	23-4"	29-6"	27-6"	26-3"	24-9"
		Continuous	27-5"	25-5"	21-3"	29-1"	25-7"	21-3"	17-0"	31-0"	25-7"	21-3"	17-0"
	C	Single	31-6"	29-4"	28-0"	32-6"	30-3"	28-0"	25-1"	33-5"	30-6"	28-0"	25-1"
		Continuous	33-5"	25-7"	21-3"	34-3"	25-7"	21-3"	17-0"	34-3"	25-7"	21-3"	17-0"
	D	Single	28-0"	26-0"	24-10"	29-3"	27-2"	25-11"	24-7"	30-8"	28-7"	27-3"	25-1"
		Continuous	29-4"	25-7"	21-3"	30-8"	25-7"	21-3"	17-0"	32-3"	25-7"	21-3"	17-0"

Design notes provided on page 9.

TTI 600S MAXIMUM FLOOR SPANS

40 psf Unfactored Live Load

30 psf Unfactored Dead Load

Limit States Design (LSD) 100% Load Duration

L/480 Live Load Deflection Criteria

L/240 Total Load Deflection Criteria

Legend:

Assembly "A" = Glued & Nailed subfloor with no additional components added.

Assembly "B" = Assembly "A" plus 1/2" thick gypsum ceiling applied directly to the bottom flange.

Assembly "C" = Assembly "B" with an additional row of I-joint blocking at mid-span.

Assembly "D" = Assembly "A" with an additional row of I-joint blocking at mid-span.

Joists Depth	Assembly	Span	19/32" OSB GLUED & NAILED			23/32" OSB GLUED & NAILED				7/8" OSB GLUED & NAILED			
			o.c. spacing			o.c. spacing				o.c. spacing			
			12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
7 7/8"	A	Single	14-6"	13-8"	13-3"	15-4"	14-6"	13-9"	12-10"	16-2"	14-9"	14-0"	13-0"
		Continuous	15-0"	14-2"	13-8"	15-10"	14-11"	14-5"	13-8"	16-10"	15-10"	15-1"	13-8"
	B	Single	14-11"	14-1"	13-7"	15-8"	14-7"	13-9"	12-10"	16-2"	14-9"	14-0"	13-0"
		Continuous	15-5"	14-7"	14-1"	16-3"	15-4"	14-9"	13-8"	17-2"	16-0"	15-1"	13-8"
	C	Single	15-11"	14-6"	13-8"	16-0"	14-7"	13-9"	12-10"	16-2"	14-9"	14-0"	13-0"
		Continuous	17-0"	15-8"	14-9"	17-4"	15-10"	14-11"	13-8"	17-7"	16-0"	15-1"	13-8"
	D	Single	15-4"	14-6"	13-8"	16-0"	14-7"	13-9"	12-10"	16-2"	14-9"	14-0"	13-0"
		Continuous	15-10"	15-0"	14-6"	16-6"	15-8"	14-11"	13-8"	17-4"	16-0"	15-1"	13-8"
8 5/8"	A	Single	15-3"	14-4"	13-11"	16-1"	15-2"	14-7"	13-10"	17-0"	15-11"	15-0"	14-0"
		Continuous	15-9"	14-10"	14-4"	16-8"	15-8"	15-1"	13-8"	17-7"	16-7"	16-0"	13-8"
	B	Single	15-7"	14-9"	14-3"	16-5"	15-6"	14-10"	13-10"	17-4"	16-11"	15-0"	14-0"
		Continuous	16-2"	15-3"	14-9"	17-0"	16-1"	15-6"	13-8"	18-0"	17-0"	16-3"	13-8"
	C	Single	17-1"	15-7"	14-8"	17-3"	15-9"	14-10"	13-10"	17-5"	15-11"	15-0"	14-0"
		Continuous	17-10"	16-11"	15-11"	18-8"	17-0"	16-0"	13-8"	18-10"	17-3"	16-3"	13-8"
	D	Single	16-1"	15-3"	14-8"	16-10"	15-9"	14-10"	13-10"	17-5"	15-11"	15-0"	14-0"
		Continuous	16-8"	15-9"	15-3"	17-4"	16-5"	15-10"	13-8"	18-3"	17-2"	16-3"	13-8"
9 1/4"	A	Single	15-10"	14-11"	14-5"	16-9"	15-9"	15-2"	14-7"	17-8"	16-8"	16-0"	14-10"
		Continuous	16-5"	15-5"	14-11"	17-4"	16-4"	15-9"	13-8"	18-6"	17-3"	16-8"	13-8"
	B	Single	16-3"	15-4"	14-10"	17-1"	16-2"	15-7"	14-8"	18-1"	16-11"	16-0"	14-10"
		Continuous	16-10"	15-11"	15-4"	17-9"	16-9"	16-1"	13-8"	19-0"	17-8"	17-0"	13-8"
	C	Single	18-1"	16-7"	15-8"	18-4"	16-9"	15-9"	14-8"	18-6"	16-11"	16-0"	14-10"
		Continuous	18-11"	17-7"	16-11"	19-8"	18-2"	17-1"	13-8"	20-1"	18-4"	17-2"	13-8"
	D	Single	16-10"	15-11"	15-5"	17-6"	16-7"	15-9"	14-8"	18-5"	16-11"	16-0"	14-10"
		Continuous	17-4"	16-5"	15-11"	18-2"	17-1"	16-6"	13-8"	19-3"	17-11"	17-2"	13-8"
9 1/2"	A	Single	16-1"	15-2"	14-8"	17-0"	16-0"	15-5"	14-9"	17-11"	16-11"	16-3"	15-2"
		Continuous	16-8"	15-8"	15-2"	17-7"	16-7"	15-11"	13-8"	18-10"	17-6"	16-10"	13-8"
	B	Single	16-6"	15-7"	15-0"	17-4"	16-4"	15-9"	15-0"	18-5"	17-3"	16-4"	15-2"
		Continuous	17-1"	16-1"	15-7"	18-1"	17-0"	16-4"	13-8"	19-4"	18-0"	17-2"	13-8"
	C	Single	18-5"	17-0"	16-0"	18-9"	17-1"	16-2"	15-0"	18-11"	17-3"	16-4"	15-2"
		Continuous	19-3"	17-11"	17-2"	20-1"	18-6"	17-2"	13-8"	20-7"	18-9"	17-2"	13-8"
	D	Single	17-1"	16-2"	15-7"	17-9"	16-10"	16-2"	15-0"	18-9"	17-3"	16-4"	15-2"
		Continuous	17-7"	16-8"	16-1"	18-6"	17-4"	16-9"	13-8"	19-7"	18-3"	17-2"	13-8"
11 1/4"	A	Single	17-7"	16-7"	16-0"	18-9"	17-5"	16-10"	16-2"	20-1"	18-7"	17-9"	17-0"
		Continuous	18-4"	17-2"	16-7"	19-7"	18-2"	17-5"	15-10"	21-0"	19-6"	18-7"	15-10"
	B	Single	18-1"	17-0"	16-5"	19-3"	17-11"	17-3"	16-6"	20-7"	19-2"	18-3"	17-4"
		Continuous	19-0"	17-8"	17-1"	20-3"	18-9"	17-11"	15-10"	21-7"	20-1"	19-2"	15-10"
	C	Single	20-11"	19-5"	18-4"	21-6"	19-7"	18-6"	17-2"	21-8"	19-10"	18-8"	17-5"
		Continuous	21-10"	20-4"	19-5"	22-8"	21-2"	19-8"	15-10"	23-7"	21-6"	19-8"	15-10"
	D	Single	19-0"	17-8"	17-1"	19-11"	18-7"	17-9"	17-1"	21-0"	19-7"	18-8"	17-5"
		Continuous	19-10"	18-5"	17-8"	20-10"	19-5"	18-6"	15-10"	22-0"	20-6"	19-7"	15-10"
11 7/8"	A	Single	18-1"	17-0"	16-5"	19-4"	17-11"	17-3"	16-7"	20-8"	19-3"	18-4"	17-5"
		Continuous	18-11"	17-7"	17-0"	20-3"	18-9"	17-11"	15-10"	21-8"	20-2"	19-2"	15-10"
	B	Single	18-8"	17-5"	16-10"	19-11"	18-6"	17-8"	17-0"	21-3"	19-9"	18-10"	17-10"
		Continuous	19-7"	18-2"	17-6"	20-11"	19-5"	18-6"	15-10"	22-4"	20-9"	19-10"	15-10"
	C	Single	21-8"	20-2"	19-1"	22-4"	20-5"	19-3"	17-10"	22-7"	20-7"	19-5"	18-1"
		Continuous	22-8"	21-1"	19-11"	23-6"	21-11"	19-11"	15-10"	24-6"	22-3"	19-11"	15-10"
	D	Single	19-8"	18-3"	17-7"	20-8"	19-2"	18-4"	17-6"	21-9"	20-3"	19-4"	18-1"
		Continuous	20-6"	19-1"	18-3"	21-7"	20-1"	19-2"	15-10"	22-9"	21-3"	19-11"	15-10"
14"	A	Single	20-1"	18-7"	17-10"	21-6"	19-11"	18-11"	18-0"	23-0"	21-4"	20-4"	19-2"
		Continuous	21-1"	19-6"	18-8"	22-6"	20-10"	19-11"	15-10"	24-1"	22-4"	19-11"	15-10"
	B	Single	20-9"	19-3"	18-6"	22-1"	20-6"	19-7"	18-7"	23-7"	22-0"	21-0"	19-9"
		Continuous	21-10"	20-3"	19-5"	23-3"	21-7"	19-11"	15-10"	24-10"	23-1"	19-11"	15-10"
	C	Single	24-5"	22-8"	21-8"	25-3"	23-2"	21-10"	20-1"	25-7"	23-4"	22-0"	20-1"
		Continuous	25-6"	23-9"	19-11"	26-5"	23-11"	19-11"	15-10"	27-5"	23-11"	19-11"	15-10"
	D	Single	22-0"	20-5"	19-7"	23-1"	21-5"	20-6"	19-5"	24-3"	22-8"	21-7"	20-1"
		Continuous	23-0"	21-4"	19-11"	24-2"	22-5"	19-11"	15-10"	25-5"	23-8"	19-11"	15-10"
16"	A	Single	21-11"	20-3"	19-5"	23-5"	21-8"	20-8"	19-7"	25-0"	23-3"	22-1"	20-10"
		Continuous	23-0"	21-3"	19-11"	24-7"	22-9"	19-11"	15-10"	26-3"	23-11"	19-11"	15-10"
	B	Single	22-8"	21-0"	20-2"	24-1"	22-5"	21-4"	20-3"	25-9"	24-0"	22-10"	21-7"
		Continuous	23-10"	22-1"	19-11"	25-4"	23-6"	19-11"	15-10"	27-0"	23-11"	19-11"	15-10"
	C	Single	26-11"	25-0"	23-11"	27-9"	25-8"	24-2"	21-8"	28-5"	25-10"	24-3"	21-8"
		Continuous	28-1"	23-11"	19-11"	29-0"	23-11"	19-11"	15-10"	30-1"	23-11"	19-11"	15-10"
	D	Single	24-1"	22-5"	21-5"	25-3"	23-6"	22-5"	21-3"	26-6"	24-9"	23-7"	21-8"
		Continuous	25-3"	23-5"	19-11"	26-6"	23-11"	19-11"	15-10"	27-10"	23-11"	19-11"	15-10"
18"	A	Single	23-7"	21-10"	20-11"	25-3"	23-4"	22-3"	21-1"	27-0"	25-0"	23-10"	22-5"
		Continuous	24-9"	22-11"	19-11"	26-6"	23-11"	19-11"	15-10"	28-4"	23-11"	19-11"	15-10"
	B	Single	24-5"	22-8"	21-9"	26-0"	24-2"	23-1"	21-10"	27-9"	25-10"	24-8"	23-0"
		Continuous	25-8"	23-10"	19-11"	27-4"	23-11"	19-11"	15-10"	29-2"	23-11"	19-11"	15-10"
	C	Single	29-3"	27-3"	25-9"	30-2"	28-1"	25-9"	23-0"	31-0"	28-3"	25-9"	23-0"
		Continuous	30-7"	23-11"	19-11"	31-6"	23-11"	19-11"	15-10"	32-1"	23-11"	19-11"	15-10"
	D	Single	26-2"	24-3"	23-3"	27-4"	25-5"	24-3"	23-0"	28-8"	26-9"	25-6"	23-0"
		Continuous	27-4"	23-11"	19-11"	28-8"	23-11"	19-11"	15-10"	30-1"	23-11"	19-11"	15-10"
20"	A	Single	25-1"	23-3"	22-3"	26-10"	24-10"	23-8"	22-5"	28-8"	26-7"	25-4"	23-10"
		Continuous	26-5"	23-11"	19-11"	28-3"	23-11"	19-11"	15-10"	30-2"	23-11"	19-11"	15-10"
	B	Single	26-1"	24-2"	23-2"	27-8"	25-9"	24-7"	23-4"	29-6"	27-6"	26-3"	24-3"
		Continuous	27-5"	23-11"	19-11"	29-1"	23-11"	19-11"	15-10"	31-0"	23-11"	19-11"	15-10"
	C	Single	31-6"	29-4"	27-1"	32-6"	29-9"	27-1"	24-3"	33-5"	29-9"	27-1"	24-3"
		Continuous	32-1"	23-11"	19-11"	32-1"	23-11"	19-11"	15-10"	32-1"	23-11"	19-11"	15-10"
	D	Single	28-0"	26-0"	24-10"	29-3"	27-2"	25-11"	24-3"	30-8"	28-7"	27-1"	24-3"
		Continuous	29-4"	23-11"	19-11"	30-8"	23-11"	19-11"	15-10"	32-1"	23-11"	19-11"	15-10"

Design notes provided on page 9.

TTI 800S MAXIMUM FLOOR SPANS

40 psf Unfactored Live Load
25 psf Unfactored Dead Load
Limit States Design (LSD) 100% Load Duration
L/480 Live Load Deflection Criteria
L/240 Total Load Deflection Criteria

Legend:

Assembly "A" = Glued & Nailed subfloor with no additional components added.
Assembly "B" = Assembly "A" plus 1/2" thick gypsum ceiling applied directly to the bottom flange.
Assembly "C" = Assembly "B" with an additional row of I-joint blocking at mid-span.
Assembly "D" = Assembly "A" with an additional row of I-joint blocking at mid-span.

Joists Depth	Assembly	Span	19/32" OSB GLUED & NAILED			23/32" OSB GLUED & NAILED				7/8" OSB GLUED & NAILED			
			o.c. spacing			o.c. spacing				o.c. spacing			
			12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
7 7/8"	A	Single	15-5"	14-6"	14-0"	16-3"	15-3"	14-9"	14-1"	17-2"	16-2"	15-4"	14-3"
		Continuous	15-11"	15-0"	14-6"	16-10"	15-10"	15-3"	14-7"	17-9"	16-9"	16-1"	14-8"
	B	Single	15-9"	14-10"	14-4"	16-7"	15-7"	15-0"	14-1"	17-5"	16-3"	15-4"	14-3"
		Continuous	16-3"	15-4"	14-10"	17-2"	16-2"	15-7"	14-8"	18-2"	17-1"	16-5"	14-8"
	C	Single	17-3"	16-0"	15-1"	17-9"	16-2"	15-2"	14-1"	17-10"	16-3"	15-4"	14-3"
		Continuous	17-10"	16-10"	16-3"	18-8"	17-5"	16-5"	14-8"	19-5"	17-8"	16-7"	14-8"
	D	Single	16-3"	15-4"	14-10"	16-11"	16-0"	15-2"	14-1"	17-8"	16-3"	15-4"	14-3"
		Continuous	16-9"	15-10"	15-4"	17-6"	16-6"	15-11"	14-8"	18-5"	17-3"	16-7"	14-8"
8 5/8"	A	Single	16-1"	15-2"	14-8"	17-0"	16-0"	15-5"	14-10"	18-0"	16-11"	16-4"	15-4"
		Continuous	16-8"	15-9"	15-2"	17-8"	16-7"	16-0"	14-9"	18-10"	17-7"	16-11"	14-9"
	B	Single	16-6"	15-6"	15-0"	17-4"	16-4"	15-9"	15-1"	18-5"	17-3"	16-6"	15-4"
		Continuous	17-1"	16-1"	15-6"	18-0"	16-11"	16-4"	14-9"	19-3"	17-11"	17-2"	14-9"
	C	Single	18-3"	17-2"	16-2"	19-0"	17-4"	16-4"	15-2"	19-3"	17-6"	16-6"	15-4"
		Continuous	19-1"	17-9"	17-2"	19-11"	18-6"	17-8"	14-9"	20-10"	18-11"	17-10"	14-9"
	D	Single	17-0"	16-1"	15-7"	17-9"	16-9"	16-2"	15-2"	18-9"	17-6"	16-6"	15-4"
		Continuous	17-7"	16-7"	16-1"	18-6"	17-4"	16-8"	14-9"	19-7"	18-3"	17-6"	14-9"
9 1/4"	A	Single	16-9"	15-9"	15-3"	17-8"	16-8"	16-0"	15-5"	18-11"	17-7"	16-11"	16-2"
		Continuous	17-5"	16-4"	15-10"	18-6"	17-3"	16-7"	15-8"	19-10"	18-5"	17-7"	15-8"
	B	Single	17-2"	16-2"	15-7"	18-1"	17-0"	16-4"	15-8"	19-4"	17-11"	17-3"	16-4"
		Continuous	17-10"	16-9"	16-2"	19-0"	17-7"	16-11"	15-8"	20-3"	18-10"	17-11"	15-8"
	C	Single	19-3"	17-11"	17-3"	20-1"	18-5"	17-4"	16-2"	20-5"	18-7"	17-6"	16-4"
		Continuous	20-2"	18-9"	17-11"	21-0"	19-7"	18-8"	15-8"	21-11"	20-2"	19-0"	15-8"
	D	Single	17-9"	16-9"	16-2"	18-8"	17-5"	16-10"	16-2"	19-8"	18-4"	17-6"	16-4"
		Continuous	18-6"	17-4"	16-9"	19-6"	18-1"	17-5"	15-8"	20-7"	19-2"	18-4"	15-8"
9 1/2"	A	Single	17-0"	16-0"	15-5"	17-11"	16-10"	16-3"	15-7"	19-3"	17-10"	17-2"	16-5"
		Continuous	17-7"	16-7"	16-0"	18-10"	17-6"	16-10"	16-2"	20-2"	18-8"	17-9"	16-9"
	B	Single	17-5"	16-4"	15-10"	18-5"	17-3"	16-7"	15-11"	19-8"	18-3"	17-6"	16-8"
		Continuous	18-1"	17-0"	16-5"	19-4"	17-10"	17-2"	16-6"	20-7"	19-2"	18-3"	16-9"
	C	Single	19-8"	18-3"	17-7"	20-5"	18-10"	17-9"	16-5"	20-10"	19-0"	17-11"	16-8"
		Continuous	20-6"	19-1"	18-3"	21-5"	19-11"	19-0"	16-9"	22-4"	20-7"	19-4"	16-9"
	D	Single	18-0"	17-0"	16-5"	19-0"	17-8"	17-1"	16-5"	20-1"	18-8"	17-10"	16-8"
		Continuous	18-10"	17-7"	17-0"	19-10"	18-5"	17-8"	16-9"	21-0"	19-6"	18-7"	16-9"
11 1/4"	A	Single	18-9"	17-6"	16-11"	20-1"	18-7"	17-9"	17-0"	21-6"	19-11"	18-11"	17-10"
		Continuous	19-8"	18-3"	17-6"	21-1"	19-6"	18-7"	17-7"	22-7"	20-11"	19-11"	18-9"
	B	Single	19-4"	17-11"	17-3"	20-7"	19-1"	18-2"	17-4"	22-0"	20-5"	19-5"	18-4"
		Continuous	20-4"	18-10"	18-0"	21-8"	20-0"	19-1"	18-1"	23-1"	21-5"	20-5"	19-1"
	C	Single	22-3"	20-8"	19-9"	23-1"	21-6"	20-4"	18-10"	23-11"	21-9"	20-6"	19-0"
		Continuous	23-3"	21-7"	20-7"	24-2"	22-6"	21-5"	19-1"	25-2"	23-7"	22-2"	19-1"
	D	Single	20-4"	18-10"	18-1"	21-4"	19-10"	18-11"	17-11"	22-6"	20-11"	20-0"	18-10"
		Continuous	21-3"	19-8"	18-10"	22-4"	20-9"	19-9"	18-9"	23-7"	21-11"	20-11"	19-1"
11 7/8"	A	Single	19-5"	17-11"	17-4"	20-9"	19-2"	18-3"	17-5"	22-2"	20-7"	19-7"	18-5"
		Continuous	20-4"	18-10"	18-0"	21-9"	20-1"	19-2"	18-2"	23-4"	21-7"	20-6"	19-2"
	B	Single	20-0"	18-6"	17-9"	21-3"	19-8"	18-9"	17-10"	22-8"	21-1"	20-1"	18-11"
		Continuous	21-0"	19-5"	18-7"	22-4"	20-8"	19-9"	18-8"	23-10"	22-2"	21-1"	19-2"
	C	Single	23-1"	21-5"	20-5"	23-11"	22-3"	21-1"	19-7"	24-10"	22-7"	21-3"	19-9"
		Continuous	24-1"	22-5"	21-5"	25-0"	23-4"	22-3"	19-2"	26-1"	24-5"	23-1"	19-2"
	D	Single	21-0"	19-6"	18-8"	22-1"	20-6"	19-7"	18-7"	23-3"	21-8"	20-8"	19-6"
		Continuous	22-0"	20-5"	19-6"	23-2"	21-6"	20-6"	19-2"	24-5"	22-8"	21-7"	19-2"
14"	A	Single	21-7"	19-11"	19-1"	23-1"	21-3"	20-3"	19-2"	24-8"	22-10"	21-8"	20-5"
		Continuous	22-8"	20-11"	20-0"	24-3"	22-4"	21-3"	20-2"	25-11"	24-0"	22-10"	21-1"
	B	Single	22-3"	20-7"	19-8"	23-8"	21-11"	20-10"	19-9"	25-3"	23-5"	22-3"	21-0"
		Continuous	23-4"	21-8"	20-8"	24-10"	23-0"	21-11"	20-9"	26-6"	24-7"	23-5"	21-1"
	C	Single	25-11"	24-1"	23-0"	26-10"	25-0"	23-10"	22-3"	27-10"	25-8"	24-2"	22-5"
		Continuous	27-1"	25-2"	24-1"	28-1"	26-2"	25-0"	21-1"	29-2"	27-4"	26-1"	21-1"
	D	Single	23-6"	21-10"	20-10"	24-8"	22-11"	21-10"	20-9"	26-0"	24-2"	23-0"	21-9"
		Continuous	24-8"	22-10"	21-10"	25-11"	24-0"	22-10"	21-1"	27-2"	25-4"	24-2"	21-1"
16"	A	Single	23-6"	21-8"	20-9"	25-1"	23-2"	22-1"	20-10"	26-10"	24-10"	23-7"	22-3"
		Continuous	24-8"	22-10"	21-9"	26-5"	24-4"	23-2"	21-1"	28-2"	26-1"	24-10"	21-1"
	B	Single	24-3"	22-5"	21-5"	25-9"	23-10"	22-9"	21-6"	27-5"	25-6"	24-3"	22-10"
		Continuous	25-6"	23-7"	22-6"	27-1"	25-1"	23-11"	21-1"	28-10"	26-10"	25-6"	21-1"
	C	Single	28-7"	26-6"	25-3"	29-5"	27-6"	26-2"	24-8"	30-6"	28-4"	26-9"	24-8"
		Continuous	29-10"	27-8"	26-5"	30-10"	28-9"	26-6"	21-1"	32-0"	29-11"	26-6"	21-1"
	D	Single	25-9"	23-10"	22-10"	27-0"	25-1"	23-11"	22-8"	28-4"	26-5"	25-2"	23-9"
		Continuous	27-0"	25-0"	23-11"	28-4"	26-3"	25-0"	21-1"	29-9"	27-8"	26-4"	21-1"
18"	A	Single	25-4"	23-5"	22-5"	27-1"	25-0"	23-10"	22-6"	29-0"	26-10"	25-6"	23-11"
		Continuous	26-8"	24-8"	23-6"	28-6"	26-4"	25-0"	21-1"	30-5"	28-2"	26-6"	21-1"
	B	Single	26-2"	24-3"	23-2"	27-10"	25-9"	24-6"	23-3"	29-7"	27-6"	26-2"	24-8"
		Continuous	27-6"	25-6"	24-4"	29-3"	27-1"	25-10"	21-1"	31-2"	28-11"	26-6"	21-1"
	C	Single	31-2"	28-11"	27-7"	32-1"	29-11"	28-6"	25-10"	33-7"	31-1"	29-4"	25-10"
		Continuous	32-10"	30-3"	26-6"	34-3"	31-3"	26-6"	21-1"	35-10"	31-10"	26-6"	21-1"
	D	Single	28-0"	25-11"	24-9"	29-4"	27-2"	25-11"	24-6"	30-9"	28-7"	27-3"	25-8"
		Continuous	29-4"	27-2"	25-11"	30-9"	28-6"	26-6"	21-1"	32-5"	30-0"	26-6"	21-1"
20"	A	Single	27-0"	24-11"	23-10"	28-10"	26-8"	25-4"	24-0"	30-10"	28-6"	27-1"	25-6"
		Continuous	28-5"	26-3"	25-1"	30-4"	28-0"	26-6"	21-1"	32-8"	30-0"	26-6"	21-1"
	B	Single	27-10"	25-10"	24-8"	29-7"	27-5"	26-2"	24-9"	31-6"	29-4"	27-11"	26-4"
		Continuous	29-4"	27-2"	25-11"	31-2"	28-10"	26-6"	21-1"	33-8"	30-10"	26-6"	21-1"
	C	Single	34-2"	31-1"	29-7"	35-5"	32-2"	30-7"	26-8"	36-10"	33-6"	31-7"	26-8"
		Continuous	36-5"	31-10"	26-6"	37-9"	31-10"	26-6"	21-1"	39-4"	31-10"	26-6"	21-1"
	D	Single	30-0"	27-9"	26-6"	31-4"	29-1"	27-8"	26-3"	33-2"	30-7"	29-1"	26-8"
		Continuous	31-5"	29-1"	26-6"	33-3"	30-6"	26-6"	21-1"	35-5"	31-10"	26-6"	21-1"

Design notes provided on page 9.

TTI 800S MAXIMUM FLOOR SPANS

40 psf Unfactored Live Load
30 psf Unfactored Dead Load
 Limit States Design (LSD) 100% Load Duration
 L/480 Live Load Deflection Criteria
 L/240 Total Load Deflection Criteria

Legend:
 Assembly "A" = Glued & Nailed subfloor with no additional components added.
 Assembly "B" = Assembly "A" plus 1/2" thick gypsum ceiling applied directly to the bottom flange.
 Assembly "C" = Assembly "B" with an additional row of I-joint blocking at mid-span.
 Assembly "D" = Assembly "A" with an additional row of I-joint blocking at mid-span.

Joists Depth	Assembly	Span	19/32" OSB GLUED & NAILED			23/32" OSB GLUED & NAILED				7/8" OSB GLUED & NAILED			
			o.c. spacing			o.c. spacing				o.c. spacing			
			12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
7 7/8"	A	Single	15-5"	14-6"	14-0"	16-3"	15-3"	14-9"	14-1"	17-2"	16-2"	15-4"	14-3"
		Continuous	15-11"	15-0"	14-6"	16-10"	15-10"	15-3"	13-9"	17-9"	16-9"	16-1"	13-9"
	B	Single	15-9"	14-10"	14-4"	16-7"	15-7"	15-0"	14-1"	17-5"	16-3"	15-4"	14-3"
		Continuous	16-3"	15-4"	14-10"	17-2"	16-2"	15-7"	13-9"	18-2"	17-1"	16-5"	13-9"
	C	Single	17-3"	16-0"	15-1"	17-9"	16-2"	15-2"	14-1"	17-10"	16-3"	15-4"	14-3"
		Continuous	17-10"	16-10"	16-3"	18-8"	17-5"	16-5"	13-9"	19-5"	17-8"	16-7"	13-9"
	D	Single	16-3"	15-4"	14-10"	16-11"	16-0"	15-2"	14-1"	17-8"	16-3"	15-4"	14-3"
		Continuous	16-9"	15-10"	15-4"	17-6"	16-6"	15-11"	13-9"	18-5"	17-3"	16-7"	13-9"
8 5/8"	A	Single	16-1"	15-2"	14-8"	17-0"	16-0"	15-5"	14-10"	18-0"	16-11"	16-4"	15-4"
		Continuous	16-8"	15-9"	15-2"	17-8"	16-7"	16-0"	13-9"	18-10"	17-7"	16-11"	13-9"
	B	Single	16-6"	15-6"	15-0"	17-4"	16-4"	15-9"	15-1"	18-5"	17-3"	16-6"	15-4"
		Continuous	17-1"	16-1"	15-6"	18-0"	16-11"	16-4"	13-9"	19-3"	17-11"	17-2"	13-9"
	C	Single	18-3"	17-2"	16-2"	19-0"	17-4"	16-4"	15-2"	19-3"	17-6"	16-6"	15-4"
		Continuous	19-1"	17-9"	17-2"	19-11"	18-6"	17-3"	13-9"	20-10"	18-11"	17-3"	13-9"
	D	Single	17-0"	16-1"	15-7"	17-9"	16-9"	16-2"	15-2"	18-9"	17-6"	16-6"	15-4"
		Continuous	17-7"	16-7"	16-1"	18-6"	17-4"	16-8"	13-9"	19-7"	18-3"	17-3"	13-9"
9 1/4"	A	Single	16-9"	15-9"	15-3"	17-8"	16-8"	16-0"	15-5"	18-11"	17-7"	16-11"	16-2"
		Continuous	17-5"	16-4"	15-10"	18-6"	17-3"	16-7"	14-7"	19-10"	18-5"	17-7"	14-7"
	B	Single	17-2"	16-2"	15-7"	18-1"	17-0"	16-4"	15-8"	19-4"	17-11"	17-3"	16-4"
		Continuous	17-10"	16-9"	16-2"	19-0"	17-7"	16-11"	14-7"	20-3"	18-10"	17-11"	14-7"
	C	Single	19-3"	17-11"	17-3"	20-1"	18-5"	17-4"	16-2"	20-5"	18-7"	17-6"	16-4"
		Continuous	20-2"	18-9"	17-11"	21-0"	19-7"	18-4"	14-7"	21-11"	20-2"	18-4"	14-7"
	D	Single	17-9"	16-9"	16-2"	18-8"	17-5"	16-10"	16-2"	19-8"	18-4"	17-6"	16-4"
		Continuous	18-6"	17-4"	16-9"	19-6"	18-1"	17-5"	14-7"	20-7"	19-2"	18-4"	14-7"
9 1/2"	A	Single	17-0"	16-0"	15-5"	17-11"	16-10"	16-3"	15-7"	19-3"	17-10"	17-2"	16-5"
		Continuous	17-7"	16-7"	16-0"	18-10"	17-6"	16-10"	15-8"	20-2"	18-8"	17-9"	15-8"
	B	Single	17-5"	16-4"	15-10"	18-5"	17-3"	16-7"	15-11"	19-8"	18-3"	17-6"	16-8"
		Continuous	18-1"	17-0"	16-5"	19-4"	17-10"	17-2"	15-8"	20-7"	19-2"	18-3"	15-8"
	C	Single	19-8"	18-3"	17-7"	20-5"	18-10"	17-9"	16-5"	20-10"	19-0"	17-11"	16-8"
		Continuous	20-6"	19-1"	18-3"	21-5"	19-11"	19-0"	15-8"	22-4"	20-7"	19-4"	15-8"
	D	Single	18-0"	17-0"	16-5"	19-0"	17-8"	17-1"	16-5"	20-1"	18-8"	17-10"	16-8"
		Continuous	18-10"	17-7"	17-0"	19-10"	18-5"	17-8"	15-8"	21-0"	19-6"	18-7"	15-8"
11 1/4"	A	Single	18-9"	17-6"	16-11"	20-1"	18-7"	17-9"	17-0"	21-6"	19-11"	18-11"	17-10"
		Continuous	19-8"	18-3"	17-6"	21-1"	19-6"	18-7"	17-7"	22-7"	20-11"	19-11"	17-10"
	B	Single	19-4"	17-11"	17-3"	20-7"	19-1"	18-2"	17-4"	22-0"	20-5"	19-5"	18-4"
		Continuous	20-4"	18-10"	18-0"	21-8"	20-0"	19-1"	17-10"	23-1"	21-5"	20-5"	17-10"
	C	Single	22-3"	20-8"	19-9"	23-1"	21-6"	20-4"	18-10"	23-11"	21-9"	20-6"	19-0"
		Continuous	23-3"	21-7"	20-7"	24-2"	22-6"	21-5"	17-10"	25-2"	23-7"	22-2"	17-10"
	D	Single	20-4"	18-10"	18-1"	21-4"	19-10"	18-11"	17-11"	22-6"	20-11"	20-0"	18-10"
		Continuous	21-3"	19-8"	18-10"	22-4"	20-9"	19-9"	17-10"	23-7"	21-11"	20-11"	17-10"
11 7/8"	A	Single	19-5"	17-11"	17-4"	20-9"	19-2"	18-3"	17-5"	22-2"	20-7"	19-7"	18-5"
		Continuous	20-4"	18-10"	18-0"	21-9"	20-1"	19-2"	17-11"	23-4"	21-7"	20-6"	17-11"
	B	Single	20-0"	18-6"	17-9"	21-3"	19-8"	18-9"	17-10"	22-8"	21-1"	20-1"	18-11"
		Continuous	21-0"	19-5"	18-7"	22-4"	20-8"	19-9"	17-11"	23-10"	22-2"	21-1"	17-11"
	C	Single	23-1"	21-5"	20-5"	23-11"	22-3"	21-1"	19-7"	24-10"	22-7"	21-3"	19-9"
		Continuous	24-1"	22-5"	21-5"	25-0"	23-4"	22-3"	17-11"	26-1"	24-5"	22-5"	17-11"
	D	Single	21-0"	19-6"	18-8"	22-1"	20-6"	19-7"	18-7"	23-3"	21-8"	20-8"	19-6"
		Continuous	22-0"	20-5"	19-6"	23-2"	21-6"	20-6"	17-11"	24-5"	22-8"	21-7"	17-11"
14"	A	Single	21-7"	19-11"	19-1"	23-1"	21-3"	20-3"	19-2"	24-8"	22-10"	21-8"	20-5"
		Continuous	22-8"	20-11"	20-0"	24-3"	22-4"	21-3"	19-9"	25-11"	24-0"	22-10"	19-9"
	B	Single	22-3"	20-7"	19-8"	23-8"	21-11"	20-10"	19-9"	25-3"	23-5"	22-3"	21-0"
		Continuous	23-4"	21-8"	20-8"	24-10"	23-0"	21-11"	19-9"	26-6"	24-7"	23-5"	19-9"
	C	Single	25-11"	24-1"	23-0"	26-10"	25-0"	23-10"	21-11"	27-10"	25-8"	24-2"	21-11"
		Continuous	27-1"	25-2"	24-1"	28-1"	26-2"	24-9"	19-9"	29-2"	27-4"	24-9"	19-9"
	D	Single	23-6"	21-10"	20-10"	24-8"	22-11"	21-10"	20-9"	26-0"	24-2"	23-0"	21-9"
		Continuous	24-8"	22-10"	21-10"	25-11"	24-0"	22-10"	19-9"	27-2"	25-4"	24-2"	19-9"
16"	A	Single	23-6"	21-8"	20-9"	25-1"	23-2"	22-1"	20-10"	26-10"	24-10"	23-7"	22-3"
		Continuous	24-8"	22-10"	21-9"	26-5"	24-4"	23-2"	19-9"	28-2"	26-1"	24-9"	19-9"
	B	Single	24-3"	22-5"	21-5"	25-9"	23-10"	22-9"	21-6"	27-5"	25-6"	24-3"	22-10"
		Continuous	25-6"	23-7"	22-6"	27-1"	25-1"	23-11"	19-9"	28-10"	26-10"	24-9"	19-9"
	C	Single	28-7"	26-6"	25-3"	29-5"	27-6"	26-2"	23-1"	30-6"	28-4"	26-9"	23-1"
		Continuous	29-10"	27-8"	24-9"	30-10"	28-9"	24-9"	19-9"	32-0"	29-9"	24-9"	19-9"
	D	Single	25-9"	23-10"	22-10"	27-0"	25-1"	23-11"	22-8"	28-4"	26-5"	25-2"	23-1"
		Continuous	27-0"	25-0"	23-11"	28-4"	26-3"	24-9"	19-9"	29-9"	27-8"	24-9"	19-9"
18"	A	Single	25-4"	23-5"	22-5"	27-1"	25-0"	23-10"	22-6"	29-0"	26-10"	25-6"	23-11"
		Continuous	26-8"	24-8"	23-6"	28-6"	26-4"	24-9"	19-9"	30-5"	28-2"	24-9"	19-9"
	B	Single	26-2"	24-3"	23-2"	27-10"	25-9"	24-6"	23-3"	29-7"	27-6"	26-2"	24-2"
		Continuous	27-6"	25-6"	24-4"	29-3"	27-1"	24-9"	19-9"	31-2"	28-11"	24-9"	19-9"
	C	Single	31-2"	28-11"	27-7"	32-1"	29-11"	28-6"	24-2"	33-7"	31-1"	29-4"	24-2"
		Continuous	32-10"	29-9"	24-9"	34-3"	29-9"	24-9"	19-9"	35-10"	29-9"	24-9"	19-9"
	D	Single	28-0"	25-11"	24-9"	29-4"	27-2"	25-11"	24-2"	30-9"	28-7"	27-3"	24-2"
		Continuous	29-4"	27-2"	24-9"	30-9"	28-6"	24-9"	19-9"	32-5"	29-9"	24-9"	19-9"
20"	A	Single	27-0"	24-11"	23-10"	28-10"	26-8"	25-4"	24-0"	30-10"	28-6"	27-1"	24-11"
		Continuous	28-5"	26-3"	24-9"	30-4"	28-0"	24-9"	19-9"	32-8"	29-9"	24-9"	19-9"
	B	Single	27-10"	25-10"	24-8"	29-7"	27-5"	26-2"	24-9"	31-6"	29-4"	27-11"	24-11"
		Continuous	29-4"	27-2"	24-9"	31-2"	28-10"	24-9"	19-9"	33-8"	29-9"	24-9"	19-9"
	C	Single	34-2"	31-1"	29-7"	35-5"	32-2"	30-7"	24-11"	36-10"	33-6"	31-2"	24-11"
		Continuous	36-5"	29-9"	24-9"	37-9"	29-9"	24-9"	19-9"	39-4"	29-9"	24-9"	19-9"
	D	Single	30-0"	27-9"	26-6"	31-4"	29-1"	27-8"	24-11"	33-2"	30-7"	29-1"	24-11"
		Continuous	31-5"	29-1"	24-9"	33-3"	29-9"	24-9"	19-9"	35-5"	29-9"	24-9"	19-9"

Design notes provided on page 9.

I-JOISTS

TTI 900S MAXIMUM FLOOR SPANS

40 psf Unfactored Live Load | **25 psf Unfactored Dead Load**

Limit States Design (LSD) 100% Load Duration

L/480 Live Load Deflection Criteria | L/240 Total Load Deflection Criteria

Legend:

Assembly "A" = Glued & Nailed subfloor with no additional components added.

Assembly "B" = Assembly "A" plus 1/2" thick gypsum ceiling applied directly to the bottom flange.

Assembly "C" = Assembly "B" with an additional row of I-joist blocking at mid-span.

Assembly "D" = Assembly "A" with an additional row of I-joist blocking at mid-span.

Joists Depth	Assembly	Span	19/32" OSB GLUED & NAILED			23/32" OSB GLUED & NAILED				7/8" OSB GLUED & NAILED			
			o.c. spacing			o.c. spacing				o.c. spacing			
			12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
7 7/8"	A	Single	15-7"	14-8"	14-2"	16-6"	15-6"	14-11"	14-4"	17-5"	16-5"	15-9"	14-8"
		Continuous	16-2"	15-2"	14-8"	17-1"	16-0"	15-5"	14-10"	18-1"	17-0"	16-4"	15-7"
	B	Single	15-11"	15-0"	14-6"	16-9"	15-9"	15-2"	14-6"	17-8"	16-8"	15-9"	14-8"
		Continuous	16-6"	15-7"	15-0"	17-4"	16-4"	15-9"	15-1"	18-5"	17-3"	16-7"	15-10"
	C	Single	17-6"	16-5"	15-5"	18-1"	16-6"	15-7"	14-6"	18-3"	16-8"	15-9"	14-8"
		Continuous	18-2"	17-1"	16-6"	18-11"	17-8"	16-10"	15-8"	19-10"	18-1"	17-0"	15-10"
	D	Single	16-5"	15-6"	15-0"	17-2"	16-2"	15-7"	14-6"	17-11"	16-1"	15-9"	14-8"
		Continuous	17-0"	16-0"	15-6"	17-8"	16-8"	16-1"	15-6"	18-8"	17-6"	16-10"	15-10"
8 5/8"	A	Single	16-4"	15-5"	14-11"	17-3"	16-3"	15-8"	15-0"	18-4"	17-2"	16-6"	15-9"
		Continuous	16-11"	15-11"	15-5"	17-11"	16-10"	16-2"	15-6"	19-2"	17-10"	17-1"	16-4"
	B	Single	16-9"	15-9"	15-3"	17-7"	16-7"	15-11"	15-3"	18-8"	17-6"	16-10"	15-9"
		Continuous	17-4"	16-4"	15-9"	18-4"	17-2"	16-6"	15-10"	19-7"	18-3"	17-5"	16-8"
	C	Single	18-7"	17-5"	16-8"	19-4"	17-9"	16-9"	15-7"	19-8"	17-11"	16-11"	15-9"
		Continuous	19-5"	18-0"	17-4"	20-3"	18-10"	17-11"	16-10"	21-2"	19-5"	18-4"	17-0"
	D	Single	17-3"	16-4"	15-9"	18-0"	17-0"	16-5"	15-7"	19-0"	17-9"	16-11"	15-9"
		Continuous	17-10"	16-10"	16-4"	18-10"	17-7"	16-11"	16-3"	19-11"	18-6"	17-8"	16-11"
9 1/4"	A	Single	17-2"	16-2"	15-8"	18-3"	17-1"	16-5"	15-9"	19-6"	18-1"	17-4"	16-7"
		Continuous	17-10"	16-9"	16-2"	19-1"	17-8"	17-0"	16-4"	20-5"	18-11"	18-0"	17-2"
	B	Single	17-7"	16-7"	16-0"	18-8"	17-5"	16-9"	16-1"	19-11"	18-6"	17-8"	16-10"
		Continuous	18-4"	17-2"	16-7"	19-7"	18-1"	17-4"	16-8"	20-11"	19-5"	18-6"	17-6"
	C	Single	19-11"	18-6"	17-9"	20-8"	19-2"	18-1"	16-10"	21-3"	19-4"	18-3"	17-0"
		Continuous	20-9"	19-4"	18-5"	21-8"	20-2"	19-3"	18-2"	22-7"	21-0"	19-9"	18-5"
	D	Single	18-3"	17-2"	16-7"	19-3"	17-11"	17-3"	16-7"	20-4"	18-11"	18-0"	17-0"
		Continuous	19-1"	17-9"	17-2"	20-2"	18-8"	17-10"	17-2"	21-3"	19-9"	18-10"	17-10"
9 1/2"	A	Single	19-8"	18-3"	17-6"	21-0"	19-5"	18-6"	17-8"	22-6"	20-10"	19-10"	18-8"
		Continuous	20-8"	19-1"	18-3"	22-1"	20-5"	19-5"	18-5"	23-7"	21-11"	20-10"	19-7"
	B	Single	20-3"	18-9"	17-11"	21-7"	19-11"	19-0"	18-0"	23-0"	21-4"	20-4"	19-2"
		Continuous	21-3"	19-8"	18-10"	22-8"	20-11"	20-0"	18-11"	24-2"	22-5"	21-4"	20-1"
	C	Single	23-4"	21-8"	20-8"	24-2"	22-6"	21-6"	20-0"	25-2"	23-0"	21-8"	20-2"
		Continuous	24-5"	22-8"	21-8"	25-4"	23-7"	22-6"	21-4"	26-4"	24-8"	23-6"	21-10"
	D	Single	21-4"	19-9"	18-11"	22-5"	20-9"	19-10"	18-10"	23-7"	21-11"	20-11"	19-9"
		Continuous	22-4"	20-8"	19-10"	23-5"	21-9"	20-9"	19-8"	24-8"	23-0"	21-11"	20-8"
11 1/4"	A	Single	21-11"	20-3"	19-4"	23-4"	21-7"	20-7"	19-6"	25-0"	23-2"	22-0"	20-9"
		Continuous	23-0"	21-3"	20-4"	24-7"	22-8"	21-7"	20-5"	26-3"	24-3"	23-1"	21-9"
	B	Single	22-6"	20-10"	19-11"	23-11"	22-2"	21-2"	20-0"	25-6"	23-8"	22-7"	21-3"
		Continuous	23-8"	21-11"	20-11"	25-2"	23-4"	22-2"	21-0"	26-10"	24-11"	23-9"	22-4"
	C	Single	26-3"	24-4"	23-3"	27-2"	25-3"	24-1"	22-8"	28-2"	26-1"	24-7"	22-10"
		Continuous	27-5"	25-6"	24-4"	28-4"	26-5"	25-3"	22-11"	29-6"	27-7"	26-4"	22-11"
	D	Single	23-10"	22-1"	21-2"	25-0"	23-2"	22-2"	21-0"	26-3"	24-6"	23-4"	22-0"
		Continuous	24-11"	23-2"	22-2"	26-2"	24-4"	23-2"	22-0"	27-6"	25-8"	24-5"	22-11"
11 7/8"	A	Single	23-10"	22-0"	21-1"	25-5"	23-6"	22-4"	21-2"	27-2"	25-2"	23-11"	22-6"
		Continuous	25-0"	23-1"	22-1"	26-9"	24-8"	23-6"	22-3"	28-6"	26-5"	25-2"	22-11"
	B	Single	24-6"	22-9"	21-9"	26-1"	24-2"	23-0"	21-9"	27-9"	25-9"	24-7"	23-2"
		Continuous	25-10"	23-11"	22-10"	27-5"	25-5"	24-2"	22-11"	29-2"	27-1"	25-10"	22-11"
	C	Single	28-10"	26-9"	25-7"	29-9"	27-9"	26-6"	24-8"	30-10"	28-10"	27-2"	24-8"
		Continuous	30-2"	28-0"	26-9"	31-2"	29-0"	27-8"	22-11"	32-5"	30-3"	28-8"	22-11"
	D	Single	26-1"	24-2"	23-2"	27-4"	25-4"	24-2"	22-11"	28-8"	26-9"	25-6"	24-0"
		Continuous	27-4"	25-4"	24-3"	28-8"	26-7"	25-4"	22-11"	30-1"	28-0"	26-8"	22-11"
14"	A	Single	25-8"	23-8"	22-8"	27-5"	25-4"	24-1"	22-9"	29-3"	27-1"	25-9"	24-3"
		Continuous	27-0"	24-11"	23-10"	28-9"	26-7"	25-4"	22-11"	30-9"	28-5"	27-1"	22-11"
	B	Single	26-5"	24-6"	23-5"	28-1"	26-0"	24-9"	23-6"	29-11"	27-9"	26-5"	24-11"
		Continuous	27-10"	25-9"	24-7"	29-6"	27-4"	26-1"	22-11"	31-5"	29-2"	27-10"	22-11"
	C	Single	31-4"	29-2"	27-9"	32-5"	30-2"	28-9"	25-10"	33-11"	31-4"	29-8"	25-10"
		Continuous	33-2"	30-5"	28-8"	34-7"	31-6"	28-8"	22-11"	36-2"	33-2"	28-8"	22-11"
	D	Single	28-3"	26-2"	25-0"	29-7"	27-5"	26-2"	24-9"	31-0"	28-10"	27-6"	25-10"
		Continuous	29-7"	27-5"	26-3"	31-0"	28-9"	27-5"	22-11"	32-9"	30-3"	28-8"	22-11"
16"	A	Single	27-5"	25-4"	24-2"	29-3"	27-0"	25-9"	24-4"	31-3"	28-11"	27-6"	25-10"
		Continuous	28-10"	26-7"	25-5"	30-9"	28-5"	27-0"	22-11"	33-2"	30-5"	28-8"	22-11"
	B	Single	28-3"	26-2"	25-0"	30-0"	27-10"	26-6"	25-1"	31-11"	29-8"	28-3"	26-1"
		Continuous	29-9"	27-6"	26-4"	31-7"	29-3"	27-10"	22-11"	34-2"	31-2"	28-8"	22-11"
	C	Single	34-8"	31-5"	29-11"	35-11"	32-8"	30-11"	26-1"	37-4"	34-1"	32-1"	26-1"
		Continuous	36-11"	33-4"	28-8"	38-3"	34-6"	28-8"	22-11"	39-10"	34-6"	28-8"	22-11"
	D	Single	30-4"	28-1"	26-10"	31-9"	29-5"	28-1"	26-1"	33-8"	30-11"	29-6"	26-1"
		Continuous	31-10"	29-5"	28-2"	33-10"	30-10"	28-8"	22-11"	35-11"	32-8"	28-8"	22-11"
18"	A	Single	29-1"	26-11"	25-8"	31-1"	28-8"	27-3"	25-3"	33-7"	30-8"	29-2"	25-3"
		Continuous	30-7"	28-3"	27-0"	33-0"	30-2"	28-8"	22-11"	35-11"	32-5"	28-8"	22-11"
	B	Single	30-0"	27-9"	26-7"	31-10"	29-6"	28-1"	25-3"	34-7"	31-6"	30-0"	25-3"
		Continuous	31-7"	29-3"	27-11"	34-1"	31-1"	28-8"	22-11"	37-0"	33-7"	28-8"	22-11"
	C	Single	38-2"	34-5"	31-7"	39-4"	35-11"	31-7"	25-3"	40-2"	36-7"	31-7"	25-3"
		Continuous	40-8"	34-6"	28-8"	41-11"	34-6"	28-8"	22-11"	43-6"	34-6"	28-8"	22-11"
	D	Single	32-7"	30-0"	28-8"	34-7"	31-5"	29-11"	25-3"	36-8"	33-4"	31-5"	25-3"
		Continuous	34-10"	31-5"	28-8"	36-11"	33-4"	28-8"	22-11"	39-1"	34-6"	28-8"	22-11"
20"	A	Single	30-9"	28-5"	27-1"	33-1"	30-3"	28-10"	25-3"	36-1"	32-7"	30-9"	25-3"
		Continuous	32-7"	29-10"	28-6"	35-6"	31-11"	28-8"	22-11"	38-7"	34-6"	28-8"	22-11"
	B	Single	31-8"	29-4"	28-0"	34-3"	31-2"	29-8"	25-3"	37-1"	33-9"	31-7"	25-3"
		Continuous	33-11"	30-11"	28-8"	36-8"	33-2"	28-8"	22-11"	39-9"	34-6"	28-8"	22-11"
	C	Single	41-9"	37-8"	31-7"	42-7"	37-11"	31-7"	25-3"	42-10"	37-11"	31-7"	25-3"
		Continuous	44-5"	34-6"	28-8"	45-7"	34-6"	28-8"	22-11"	46-1"	34-6"	28-8"	22-11"
	D	Single	35-4"	31-10"	30-4"	37-5"	33-10"	31-7"	25-3"	39-7"	36-1"	31-7"	25-3"
		Continuous	37-9"	33-11"	28-8"	39-11"	34-6"	28-8"	22-11"	42-3"	34-6"	28-8"	22-11"
22"	A	Single	29-1"	26-11"	25-8"	31-1"	28-8"	27-3"	25-3"	33-7"	30-8"	29-2"	25-3"
		Continuous	30-7"	28-3"	27-0"	33-0"	30-2"	28-8"	22-11"	35-11"	32-5"	28-8"	22-11"
	B	Single	30-0"	27-9"	26-7"	31-10"	29-6"	28-1"	25-3"	34-7"	31-6"	30-0"	25-3"
		Continuous	31-7"	29-3"	27-11"	34-1"	31-1"	28-8"	22-11"	37-0"	33-7"	28-8"	22-11"
	C	Single	38-2"	34-5"	31-7"	39-4"	35-11"	31-7"	25-3"	40-2"	36-7"	31-7"	25-3"
		Continuous	40-8"	34-6"	28-8"	41-11"	34-6"	28-8"	22-11"	43-6"	34-6"	2	

I-JOISTS

TTI 900S MAXIMUM FLOOR SPANS

40 psf Unfactored Live Load | **30 psf Unfactored Dead Load**
Limit States Design (LSD) 100% Load Duration
L/480 Live Load Deflection Criteria | L/240 Total Load Deflection Criteria

Legend:

Assembly "A" = Glued & Nailed subfloor with no additional components added.
Assembly "B" = Assembly "A" plus 1/2" thick gypsum ceiling applied directly to the bottom flange.
Assembly "C" = Assembly "B" with an additional row of I-joist blocking at mid-span.
Assembly "D" = Assembly "A" with an additional row of I-joist blocking at mid-span.

Joists Depth	Assembly	Span	19/32" OSB GLUED & NAILED			23/32" OSB GLUED & NAILED				7/8" OSB GLUED & NAILED			
			o.c. spacing			o.c. spacing				o.c. spacing			
			12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"
7 7/8"	A	Single	15-7"	14-8"	14-2"	16-6"	15-6"	14-11"	14-4"	17-5"	16-5"	15-9"	14-8"
		Continuous	16-2"	15-2"	14-8"	17-1"	16-0"	15-5"	14-10"	18-1"	17-0"	16-4"	15-7"
	B	Single	15-11"	15-0"	14-6"	16-9"	15-9"	15-2"	14-6"	17-8"	16-8"	15-9"	14-8"
		Continuous	16-6"	15-7"	15-0"	17-4"	16-4"	15-9"	15-1"	18-5"	17-3"	16-7"	15-10"
	C	Single	17-6"	16-5"	15-5"	18-1"	16-6"	15-7"	14-6"	18-3"	16-8"	15-9"	14-8"
		Continuous	18-2"	17-1"	16-6"	18-11"	17-8"	16-10"	15-8"	19-10"	18-1"	17-0"	15-10"
	D	Single	16-5"	15-6"	15-0"	17-2"	16-2"	15-7"	14-6"	17-11"	16-8"	15-9"	14-8"
		Continuous	17-0"	16-0"	15-6"	17-8"	16-8"	16-1"	15-6"	18-8"	17-6"	16-10"	15-10"
8 5/8"	A	Single	16-4"	15-5"	14-11"	17-3"	16-3"	15-8"	15-0"	18-4"	17-2"	16-6"	15-9"
		Continuous	16-11"	15-11"	15-5"	17-11"	16-10"	16-2"	15-6"	19-2"	17-10"	17-1"	16-4"
	B	Single	16-9"	15-9"	15-3"	17-7"	16-7"	15-11"	15-3"	18-8"	17-6"	16-10"	15-9"
		Continuous	17-4"	16-4"	15-9"	18-4"	17-2"	16-6"	15-10"	19-7"	18-3"	17-5"	16-8"
	C	Single	18-7"	17-5"	16-8"	19-4"	17-9"	16-9"	15-7"	19-8"	17-11"	16-11"	15-9"
		Continuous	19-5"	18-0"	17-4"	20-3"	18-10"	17-11"	16-10"	21-2"	19-5"	18-4"	17-0"
	D	Single	17-3"	16-4"	15-9"	18-0"	17-0"	16-5"	15-7"	19-0"	17-9"	16-11"	15-9"
		Continuous	17-10"	16-10"	16-4"	18-10"	17-7"	16-11"	16-3"	19-11"	18-6"	17-8"	16-11"
9 1/4"	A	Single	17-2"	16-2"	15-8"	18-3"	17-1"	16-5"	15-9"	19-6"	18-1"	17-4"	16-7"
		Continuous	17-10"	16-9"	16-2"	19-1"	17-8"	17-0"	16-4"	20-5"	18-11"	18-0"	17-2"
	B	Single	17-7"	16-7"	16-0"	18-8"	17-5"	16-9"	16-1"	19-11"	18-6"	17-8"	16-10"
		Continuous	18-4"	17-2"	16-7"	19-7"	18-1"	17-4"	16-8"	20-11"	19-5"	18-6"	17-6"
	C	Single	19-11"	18-6"	17-9"	20-8"	19-2"	18-1"	16-10"	21-3"	19-4"	18-3"	17-0"
		Continuous	20-9"	19-4"	18-5"	21-8"	20-2"	19-3"	18-2"	22-7"	21-0"	19-9"	18-5"
	D	Single	18-3"	17-2"	16-7"	19-3"	17-11"	17-3"	16-7"	20-4"	18-11"	18-0"	17-0"
		Continuous	19-1"	17-9"	17-2"	20-2"	18-8"	17-10"	17-2"	21-3"	19-9"	18-10"	17-10"
9 1/2"	A	Single	19-8"	18-3"	17-6"	21-0"	19-5"	18-6"	17-8"	22-6"	20-10"	19-10"	18-8"
		Continuous	20-8"	19-1"	18-3"	22-1"	20-5"	19-5"	18-5"	23-7"	21-11"	20-10"	19-7"
	B	Single	20-3"	18-9"	17-11"	21-7"	19-11"	19-0"	18-0"	23-0"	21-4"	20-4"	19-2"
		Continuous	21-3"	19-8"	18-10"	22-8"	20-11"	20-0"	18-11"	24-2"	22-5"	21-4"	20-1"
	C	Single	23-4"	21-8"	20-8"	24-2"	22-6"	21-6"	20-0"	25-2"	23-0"	21-8"	20-2"
		Continuous	24-5"	22-8"	21-8"	25-4"	23-7"	22-6"	21-4"	26-4"	24-8"	23-6"	21-5"
	D	Single	21-4"	19-9"	18-11"	22-5"	20-9"	19-10"	18-10"	23-7"	21-11"	20-11"	19-9"
		Continuous	22-4"	20-8"	19-10"	23-5"	21-9"	20-9"	19-8"	24-8"	23-0"	21-11"	20-8"
11 1/4"	A	Single	21-11"	20-3"	19-4"	23-4"	21-7"	20-7"	19-6"	25-0"	23-2"	22-0"	20-9"
		Continuous	23-0"	21-3"	20-4"	24-7"	22-8"	21-7"	20-5"	26-3"	24-3"	23-1"	21-5"
	B	Single	22-6"	20-10"	19-11"	23-11"	22-2"	21-2"	20-0"	25-6"	23-8"	22-7"	21-3"
		Continuous	23-8"	21-11"	20-11"	25-2"	23-4"	22-2"	21-0"	26-10"	24-11"	23-9"	21-5"
	C	Single	26-3"	24-4"	23-3"	27-2"	25-3"	24-1"	22-6"	28-2"	26-1"	24-7"	22-6"
		Continuous	27-5"	25-6"	24-4"	28-4"	26-5"	25-3"	21-5"	29-6"	27-7"	26-4"	21-5"
	D	Single	23-10"	22-1"	21-2"	25-0"	23-2"	22-2"	21-0"	26-3"	24-6"	23-4"	22-0"
		Continuous	24-11"	23-2"	22-2"	26-2"	24-4"	23-2"	21-5"	27-6"	25-8"	24-5"	21-5"
11 7/8"	A	Single	23-10"	22-0"	21-1"	25-5"	23-6"	22-4"	21-2"	27-2"	25-2"	23-11"	22-6"
		Continuous	25-0"	23-1"	22-1"	26-9"	24-8"	23-6"	21-5"	28-6"	26-5"	25-2"	21-5"
	B	Single	24-6"	22-9"	21-9"	26-1"	24-2"	23-0"	21-9"	27-9"	25-9"	24-7"	23-1"
		Continuous	25-10"	23-11"	22-10"	27-5"	25-5"	24-2"	21-5"	29-2"	27-1"	25-10"	21-5"
	C	Single	28-10"	26-9"	25-7"	29-9"	27-9"	26-6"	23-1"	30-10"	28-10"	27-2"	23-1"
		Continuous	30-2"	28-0"	26-9"	31-2"	29-0"	26-10"	21-5"	32-5"	30-3"	26-10"	21-5"
	D	Single	26-1"	24-2"	23-2"	27-4"	25-4"	24-2"	22-11"	28-8"	26-9"	25-6"	23-1"
		Continuous	27-4"	25-4"	24-3"	28-8"	26-7"	25-4"	21-5"	30-1"	28-0"	26-8"	21-5"
14"	A	Single	25-8"	23-8"	22-8"	27-5"	25-4"	24-1"	22-9"	29-3"	27-1"	25-9"	24-2"
		Continuous	27-0"	24-11"	23-10"	28-9"	26-7"	25-4"	21-5"	30-9"	28-5"	26-10"	21-5"
	B	Single	26-5"	24-6"	23-5"	28-1"	26-0"	24-9"	23-6"	29-11"	27-9"	26-5"	24-2"
		Continuous	27-10"	25-9"	24-7"	29-6"	27-4"	26-1"	21-5"	31-5"	29-2"	26-10"	21-5"
	C	Single	31-4"	29-2"	27-9"	32-5"	30-2"	28-9"	24-2"	33-11"	31-4"	29-8"	24-2"
		Continuous	33-2"	30-5"	26-10"	34-7"	31-6"	26-10"	21-5"	36-2"	32-3"	26-10"	21-5"
	D	Single	28-3"	26-2"	25-0"	29-7"	27-5"	26-2"	24-2"	31-0"	28-10"	27-6"	24-2"
		Continuous	29-7"	27-5"	26-3"	31-0"	28-9"	26-10"	21-5"	32-9"	30-3"	26-10"	21-5"
16"	A	Single	27-5"	25-4"	24-2"	29-3"	27-0"	25-9"	24-4"	31-3"	28-11"	27-6"	24-5"
		Continuous	28-10"	26-7"	25-5"	30-9"	28-5"	26-10"	21-5"	33-2"	30-5"	26-10"	21-5"
	B	Single	28-3"	26-2"	25-0"	30-0"	27-10"	26-6"	24-5"	31-11"	29-8"	28-3"	24-5"
		Continuous	29-9"	27-6"	26-4"	31-7"	29-3"	26-10"	21-5"	34-2"	31-2"	26-10"	21-5"
	C	Single	34-8"	31-5"	29-11"	35-11"	32-8"	30-7"	24-5"	37-4"	34-1"	30-7"	24-5"
		Continuous	36-11"	32-3"	26-10"	38-3"	32-3"	26-10"	21-5"	39-10"	32-3"	26-10"	21-5"
	D	Single	30-4"	28-1"	26-10"	31-9"	29-5"	28-1"	24-5"	33-8"	30-11"	29-6"	24-5"
		Continuous	31-10"	29-5"	26-10"	33-10"	30-10"	26-10"	21-5"	35-11"	32-3"	26-10"	21-5"
18"	A	Single	29-1"	26-11"	25-8"	31-1"	28-8"	27-3"	23-7"	33-7"	30-8"	29-2"	23-7"
		Continuous	30-7"	28-3"	26-10"	33-0"	30-2"	26-10"	21-5"	35-11"	32-3"	26-10"	21-5"
	B	Single	30-0"	27-9"	26-7"	31-10"	29-6"	28-1"	23-7"	34-7"	31-6"	29-7"	23-7"
		Continuous	31-7"	29-3"	26-10"	34-1"	31-1"	26-10"	21-5"	37-0"	32-3"	26-10"	21-5"
	C	Single	38-2"	34-5"	29-7"	39-4"	35-6"	29-7"	23-7"	40-2"	35-6"	29-7"	23-7"
		Continuous	40-8"	32-3"	26-10"	41-11"	32-3"	26-10"	21-5"	43-1"	32-3"	26-10"	21-5"
	D	Single	32-7"	30-0"	28-8"	34-7"	31-5"	29-7"	23-7"	36-8"	33-4"	29-7"	23-7"
		Continuous	34-10"	31-5"	26-10"	36-11"	32-3"	26-10"	21-5"	39-1"	32-3"	26-10"	21-5"
20"	A	Single	30-9"	28-5"	27-1"	33-1"	30-3"	28-10"	23-7"	36-1"	32-7"	29-7"	23-7"
		Continuous	32-7"	29-10"	26-10"	35-6"	31-11"	26-10"	21-5"	38-7"	32-3"	26-10"	21-5"
	B	Single	31-8"	29-4"	28-0"	34-3"	31-2"	29-7"	23-7"	37-1"	33-9"	29-7"	23-7"
		Continuous	33-11"	30-11"	26-10"	36-8"	32-3"	26-10"	21-5"	39-9"	32-3"	26-10"	21-5"
	C	Single	41-9"	35-6"	29-7"	42-7"	35-6"	29-7"	23-7"	42-10"	35-6"	29-7"	23-7"
		Continuous	43-1"	32-3"	26-10"	43-1"	32-3"	26-10"	21-5"	43-1"	32-3"	26-10"	21-5"
	D	Single	35-4"	31-10"	29-7"	37-5"	33-10"	29-7"	23-7"	39-7"	35-6"	29-7"	23-7"
		Continuous	37-9"	32-3"	26-10"	39-11"	32-3"	26-10"	21-5"	42-3"	32-3"	26-10"	21-5"
22"	A	Single	29-1"	26-11"	25-8"	31-1"	28-8"	27-3"	23-7"	33-7"	30-8"	29-2"	23-7"
		Continuous	30-7"	28-3"	26-10"	33-0"	30-2"	26-10"	21-5"	35-11"	32-3"	26-10"	21-5"
	B	Single	30-0"	27-9"	26-7"	31-10"	29-6"	28-1"	23-7"	34-7"	31-6"	29-7"	23-7"
		Continuous	31-7"	29-3"	26-10"	34-1"	31-1"	26-10"	21-5"	37-0"	32-3"	26-10"	21-5"
	C	Single	38-2"	34-5"	29-7"	39-4"	35-6"	29-7"	23-7"	40-2"	35-6"	29-7"	23-7"
		Continuous	40-8"	32-3"	26-10"	41-11"	32-3"	26-10"	21-5"	43-1"	32-3"	26-10"	21-5"
	D	Single	32-7"	30-0"	28-8"	34-7"	31-5"	29-7"	23-7"	36-8"	33-4"	29-7"	23-7"
		Continuous	34-10"										

DESIGN NOTES

1. Spans listed are the clear distance between supports. Continuous spans are based on the longest span. The shortest span shall not be less than 40% of the longest span.
2. Spans are based on uniform floor loads only, for standard load duration.
3. Spans are based on partial composite action with glued and nailed OSB subfloor conforming to CSA 0325. The span ratings are as follows: 1F20 (19/32" - 15 mm thick), 1F24 (23/32" - 18 mm thick) and 1 F32 (7/8" - 22 mm thick).
4. The live and total load deflection limits are indicated at the top of the table.
5. Spans are based on an end bearing length of at least 1-3/4" and an interior bearing length of at least 3-1/2".
6. The live and dead loads for the spans are indicated at the top of the table.
7. Spans have been designed to meet the Limit States Design, vibration/deflection requirements of the NBCC 2020 Part 9 or Part 4, CSAO86-19, CSAO86-24, and consequently the OBC 2024.
8. Live load specified at the top of the table is considered a short-term load for strength and serviceability.
9. Total deflection (L/180), as defined in CSA O86-24, Clause 5.4.2, including the long-term effect of the dead load and the associated creep factors has been considered in the analysis.
10. Permanent dead load deflection (L/360) has been considered in the analysis as per CSAO86-19, Clause 5.4.3.
11. Web stiffeners are not required for any of the spans in these tables.
12. Web fillers are required for I-Joists seated in hangers that do not laterally support the top flange.

Legend:

Assembly "A" = Glued & Nailed subfloor with no additional components added.

Assembly "B" = Assembly "A" plus 1/2" thick gypsum ceiling applied directly to the bottom flange.

Assembly "C" = Assembly "B" with an additional row of I-joist blocking at mid-span.

Assembly "D" = Assembly "A" with an additional row of I-joist blocking at mid-span.