IB600 Maximum Floor Spans 40 psf Unfactored Live Load 10 psf Unfactored Dead Load Limit States Design (LSD) 100% Load Duration

L/360 live load, L/240 total load deflection criteria

Joist	Floor	Span		SB glued a				ued and n		7/8" OSB glued and nailed spacing of IB joist (o.c.)				
	. 1001	,	12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	
	Α	Single	14'-6"	13'-8"	13'-3"	15'-4"	14'-5"	13'-11"	13'-3"	16'-2"	15'-4"	14'-4"	13'-3"	
-		Continuous	15'-3"	14'-4"	13'-11"	16'-1"	15'-2"						14'-9"	
7 7/8"	В	Single	14'-11" 15'-8"	14'-1" 14'-9"	13'-7" 14'-3"	15'-8"	14'-9"						13'-3" 14'-10"	
-		Continuous Single	16'-5"	15'-4"	14-3	17'-0"							13'-3"	
	С	Continuous	17'-2"	16'-3"	15'-9"	17'-9"							14'-10"	
		Single	15'-4"	14'-6"	14'-1"	16'-0"	15'-2"	14'-4"	13'-3"	16'-9"	15'-4"	14'-4"	13'-3"	
	D	Continuous	16'-1"	15'-2"	14'-9"	16'-9"	15'-10"	15'-3"	14'-9"	17'-6"	16'-7"	16'-0"	14'-10"	
	Α	Single	15'-3"	14'-4"	13'-11"	16'-1"	15'-2"	14'-7"	14'-0"	17'-0"	16'-0"	15'-5"	14'-4"	
		Continuous	15'-11"	15'-1"	14'-7"	16'-10"						16'-2"	15'-5"	
8 5/8"	В	Single	15'-7"	14'-9"	14'-3"	16'-5"							14'-4"	
		Continuous	16'-5"	15'-6"	15'-0"	17'-3"							15'-10"	
	С	Single Continuous	17'-4" 18'-1"	16'-5" 17'-1"	15'-6" 16'-7"								14'-4" 16'-0"	
		Single	16'-1"	15'-3"	14'-9"	16'-10"			joist (o.c.)	14'-4"				
	D	Continuous	16'-10"	15'-11"	15'-5"	17'-7"							16'-0"	
		Single	15'-10"	14'-11"	14'-5"	16'-9"	15'-9"			17'-8"	16'-8"		15'-3"	
	Α	Continuous	16'-7"	15'-8"	15'-2"	17'-6"	16'-6"	15'-11"		18'-8"	17'-6"	16'-10"	16'-1"	
9 1/4"	В	Single	16'-3"	15'-4"	14'-10"	17'-1"	16'-2"						15'-3"	
0 1/4		Continuous	17'-1"	16'-1"	15'-7"	17'-11"							16'-6"	
	С	Single	18'-1"	17'-1"	16'-6"	18'-10"							15'-3"	
		Continuous	19'-1" 16'-10"	17'-10" 15'-11"	17'-3" 15'-5"	19'-11" 17'-6"							17'-1" 15'-3"	
	D	Single Continuous	16'-10"	16'-7"	16'-1"	18'-5"							16'-9"	
		Single	16'-1"	15'-2"	14'-8"	16'-11"							15'-6"	
	Α	Continuous	16'-10"	15'-11"	15'-4"	17'-9"							16'-3"	
9 1/2"	Р	Single	16'-6"	15'-7"	15'-0"	17'-4"	16'-4"						15'-7"	
9 1/2"	В	Continuous	17'-4"	16'-4"	15'-10"	18'-3"	17'-2"	16'-7"	15'-11"	19'-6"	18'-2"	17'-6"	16'-8"	
	С	Single	18'-5"	17'-4"	16'-9"	19'-2"	17'-11"	16'-11"					15'-7"	
		Continuous	19'-6"	18'-2"	17'-6"	20'-3"							17'-6"	
	D	Single	17'-1"	16'-1"	15'-7"	17'-9"							15'-7"	
		Continuous	17'-10" 17'-7"	16'-10" 16'-7"	16'-4" 16'-0"								16'-11" 16'-11"	
	Α	Single Continuous	18'-6"	17'-4"	16'-9"	19'-10"							17'-9"	
-		Single	18'-1"	17'-0"	16'-5"	19'-3"							17'-4"	
11 1/4"	В	Continuous	19'-2"	17'-10"	17'-3"	20'-5"	19'-0"						18'-3"	
11 1/4"	С	Single	20'-11"	19'-5"	18'-7"	21'-8"	20'-3"	19'-4"	18'-0"	22'-7"	20'-9"	19'-6"	18'-0"	
	C	Continuous	22'-1"	20'-6"	19'-8"	22'-11"	21'-4"	20'-5"	19'-5"	23'-10"		21'-5"	20'-2"	
11 1/4"	D	Single	18'-11"	17'-8"	17'-1"	19'-11"	18'-6"						17'-8"	
		Continuous	20'-0"	18'-8"	17'-11"	21'-1"							18'-8"	
	Α	Single	18'-1"	17'-0"	16'-5"								17'-4"	
		Continuous Single	19'-2" 18'-8"	17'-10" 17'-5"	17'-3" 16'-10"	19'-11"							18'-3" 17'-10"	
11 7/8"	В	Continuous	19'-10"	18'-5"	17'-9"	21'-1"							18'-11"	
		Single	21'-8"	20'-2"	19'-3"	22'-6"							18'-8"	
	С	Continuous	22'-10"	21'-3"	20'-4"	23'-9"				20'-11"				
	D	Single	19'-8"	18'-3"	17'-7"	20'-7"							18'-3"	
		Continuous	20'-9"	19'-3"	18'-6"	21'-9"							19'-4"	
	Α	Single	20'-1"	18'-7"	17'-10"	21'-5"							19'-1"	
		Continuous	21'-3"	19'-9"	18'-11"	22'-9"							20'-3"	
14"	В	Single Continuous	20'-9" 22'-0"	19'-3" 20'-6"	18'-6" 19'-7"	22'-1" 23'-5"							19'-9" 21'-0"	
		Single	24'-5"	20-6	21'-8"	25'-3"							21'-4"	
	С	Continuous	25'-8"	23'-11"	22'-11"	26'-7"							21'-8"	
	D	Single	22'-0"	20'-5"	19'-7"	23'-0"							20'-4"	
	U	Continuous	23'-2"	21'-7"	20'-8"	24'-4"							21'-6"	
1	Α	Single	21'-11"	20'-3"	19'-5"	23'-4"							20'-9"	
		Continuous	23'-2"	21'-6"	20'-7"	24'-9"							21'-8"	
16"	В	Single	22'-8"	21'-0"	20'-2"	24'-1"							21'-6"	
		Continuous Single	24'-0" 26'-11"	22'-4" 25'-0"	21'-5" 23'-11"	25'-7" 27'-9"							21'-8" 23'-8"	
	С	Continuous	28'-4"	26'-4"	25'-2"	29'-3"					28'-5"	27'-1"	21'-8"	
		Single	24'-1"	22'-4"	21'-5"	25'-3"					24'-8"	23'-7"	22'-3"	
	D	Continuous	25'-5"	23'-8"	22'-8"	26'-8"					26'-1"	24'-11"	21'-8"	
	Α	Single	23'-7"	21'-10"	20'-11"	25'-2"					24'-11"	23'-9"	22'-4"	
	^	Continuous	25'-0"	23'-2"	22'-2"	26'-8"					26'-5"	25'-2"	21'-8"	
18"	В	Single	24'-5"	22'-8"	21'-9"	26'-0"					25'-9"	24'-7"	23'-2"	
	_	Continuous	25'-11"	24'-1"	23'-1"	27'-6"					27'-4"	26'-1"	21'-8"	
	С	Single	29'-3"	27'-3"	26'-0"	30'-1"	28'-2"	26'-11"	25'-6"	31'-1"	29'-3"	28'-0"	25'-11"	
		Continuous Single	30'-10" 26'-2"	28'-8" 24'-3"	27'-1" 23'-2"	31'-9" 27'-4"	29'-8" 25'-5"	27'-1" 24'-2"	21'-8"	33'-1" 28'-8"	30'-10" 26'-8"	27'-1" 25'-6"	21'-8"	
	D	Continuous	20 -2	25'-7"	24'-6"	28'-10"	26'-10"	25'-7"	21'-8"	30'-3"	28'-2"	26'-11"	21'-8"	
		Single	25'-1"	23'-3"	22'-3"	26'-10"	24'-9"	23'-7"	22'-4"	28'-8"	26'-6"	25'-3"	23'-9"	
	Α	Continuous	26'-7"	24'-8"	23'-7"	28'-5"	26'-3"	25'-0"	21'-8"	30'-4"	28'-1"	26'-9"	21'-8"	
				24'-2"	23'-2"	27'-8"	25'-8"	24'-6"	23'-3"	29'-6"	27'-6"	26'-2"	24'-9"	
20"	P	Single	26'-1"	24-2	20 2									
20"	В	Continuous	27'-7"	25'-8"	24'-7"	29'-4"	27'-3"	26'-0"	21'-8"	31'-3"	29'-1"	27'-1"	21'-8"	
20"		Continuous Single	27'-7" 31'-6"	25'-8" 29'-4"	24'-7" 28'-0"	32'-6"	30'-3"	28'-11"	27'-4"	33'-10"	31'-4"	30'-0"	27'-11"	
20"	В	Continuous Single Continuous	27'-7" 31'-6" 33'-7"	25'-8" 29'-4" 30'-10"	24'-7" 28'-0" 27'-1"	32'-6" 34'-10"	30'-3" 31'-10"	28'-11" 27'-1"	27'-4" 21'-8"	33'-10" 36'-4"	31'-4" 32'-7"	30'-0" 27'-1"	27'-11" 21'-8"	
20"		Continuous Single	27'-7" 31'-6"	25'-8" 29'-4"	24'-7" 28'-0"	32'-6"	30'-3"	28'-11"	27'-4"	33'-10"	31'-4"	30'-0"	27'-11"	



IB600 Maximum Floor Spans 40 psf Unfactored Live Load 15 psf Unfactored Dead Load Limit States Design (LSD) 100% Load Duration

L/360 live load, L/240 total load deflection criteria

		_			and nailed		2" OSB gl			7/8" OSB glued and nailed spacing of IB joist (o.c.)				
Joist	Floor	Span	spacin 12"	g of IB jois 16"	st (o.c.) 19.2"	12"	pacing of I	19.2"	24"	12"	pacing of 1	19.2"	24"	
		Single	14'-6"	13'-8"	13'-3"	15'-4"	14'-5"	13'-11"	13'-3"	16'-2"	15'-4"	14'-4"	13'-3"	
	A	Continuous	15'-3"	14'-4"	13'-11"	16'-1"	15'-2"	14'-7"	14'-0"	17'-0"	16'-1"	15'-5"	14'-9"	
7 7/8"	В	Single	14'-11"	14'-1"	13'-7"	15'-8"	14'-9"	14'-3"	13'-3"	16'-7"	15'-4"	14'-4"	13'-3"	
,0		Continuous	15'-8"	14'-9"	14'-3"	16'-5"	15'-6"	15'-0"	14'-4"	17'-4" 17'-0"	16'-5"	15'-10"	14'-10"	
	С	Single Continuous	16'-5" 17'-2"	15'-4" 16'-3"	14'-4" 15'-9"	17'-0" 17'-9"	15'-4" 16'-10"	14'-4" 16'-1"	13'-3" 14'-10"	18'-7"	15'-4" 17'-2"	14'-4" 16'-1"	13'-3" 14'-10"	
		Single	15'-4"	14'-6"	14'-1"	16'-0"	15'-2"	14'-4"	13'-3"	16'-9"	15'-4"	14'-4"	13'-3"	
	D	Continuous	16'-1"	15'-2"	14'-9"	16'-9"	15'-10"	15'-3"	14'-9"	17'-6"	16'-7"	16'-0"	14'-10"	
	Α	Single	15'-3"	14'-4"	13'-11"	16'-1"	15'-2"	14'-7"	14'-0"	17'-0"	16'-0"	15'-5"	14'-4"	
		Continuous	15'-11"	15'-1"	14'-7"	16'-10"	15'-10"	15'-4"	14'-8"	17'-10"	16'-10"	16'-2"	15'-5"	
8 5/8"	В	Single Continuous	15'-7" 16'-5"	14'-9" 15'-6"	14'-3" 15'-0"	16'-5" 17'-3"	15'-6" 16'-3"	14'-11" 15'-8"	14'-4" 15'-1"	17'-4" 18'-3"	16'-5" 17'-2"	15'-6" 16'-7"	14'-4" 15'-10"	
		Single	17'-4"	16'-5"	15'-6"	17'-10"	16'-6"	15'-6"	14'-4"	18'-3"	16'-6"	15'-6"	14'-4"	
	С	Continuous	18'-1"	17'-1"	16'-7"	18'-10"	17'-8"	17'-1"	16'-0"	19'-9"	18'-6"	17'-4"	16'-0"	
		Single	16'-1"	15'-3"	14'-9"	16'-10"	15'-11"	15'-4"	14'-4"	17'-6"	16'-6"	15'-6"	14'-4"	
		Continuous	16'-10"	15'-11"	15'-5"	17'-7"	16'-7"	16'-0"	15'-5"	18'-5"	17'-5"	16'-9"	16'-0"	
	Α	Single	15'-10" 16'-7"	14'-11" 15'-8"	14'-5" 15'-2"	16'-9" 17'-6"	15'-9" 16'-6"	15'-2" 15'-11"	14'-7" 15'-3"	17'-8" 18'-8"	16'-8" 17'-6"	16'-0" 16'-10"	15'-3" 16'-1"	
		Continuous Single	16'-3"	15'-4"	14'-10"	17'-0"	16'-2"	15'-7"	14'-11"	18'-1"	17'-0"	16'-5"	15'-3"	
9 1/4"	В	Continuous	17'-1"	16'-1"	15'-7"	17'-11"	16'-11"	16'-4"	15'-8"	19'-2"	17'-11"	17'-3"	16'-6"	
•	С	Single	18'-1"	17'-1"	16'-6"	18'-10"	17'-8"	16'-7"	15'-3"	19'-6"	17'-8"	16'-7"	15'-3"	
		Continuous	19'-1"	17'-10"	17'-3"	19'-11"	18'-7"	17'-10"	17'-1"	20'-10"	19'-6"	18'-7"	17'-1"	
	D	Single	16'-10" 17'-7"	15'-11"	15'-5"	17'-6" 18'-5"	16'-7" 17'-4"	16'-0"	15'-3"	18'-5"	17'-4" 18'-2"	16'-7" 17'-5"	15'-3" 16'-9"	
		Continuous Single	16'-1"	16'-7" 15'-2"	16'-1" 14'-8"	18'-5"	17'-4"	16'-8" 15'-5"	16'-1" 14'-9"	19'-5" 17'-11"	16'-11"	16'-3"	15'-6"	
	Α	Continuous	16'-10"	15'-11"	15'-4"	17'-9"	16'-9"	16'-2"	15'-6"	19'-0"	17'-9"	17'-1"	16'-3"	
9 1/2"	В	Single	16'-6"	15'-7"	15'-0"	17'-4"	16'-4"	15'-9"	15'-1"	18'-5"	17'-3"	16'-8"	15'-7"	
Ð 1/∠		Continuous	17'-4"	16'-4"	15'-10"	18'-3"	17'-2"	16'-7"	15'-11"	19'-6"	18'-2"	17'-6"	16'-8"	
	С	Single	18'-5"	17'-4"	16'-9"	19'-2"	17'-11"	16'-11"	15'-7"	20'-0"	18'-1"	16'-11"	15'-7"	
		Continuous Single	19'-6" 17'-1"	18'-2" 16'-1"	17'-6" 15'-7"	20'-3" 17'-9"	18'-11" 16'-9"	18'-1" 16'-2"	17'-2" 15'-7"	21'-2" 18'-9"	19'-11" 17'-7"	19'-0" 16'-11"	17'-2" 15'-7"	
	D	Continuous	17'-10"	16'-10"	16'-4"	18'-9"	17'-7"	16'-11"	16'-4"	19'-9"	18'-6"	17'-8"	16'-11"	
	Α	Single	17'-7"	16'-7"	16'-0"	18'-8"	17'-5"	16'-9"	16'-1"	20'-0"	18'-7"	17'-9"	16'-11"	
	A	Continuous	18'-6"	17'-4"	16'-9"	19'-10"	18'-4"	17'-7"	16'-11"	21'-3"	19'-8"	18'-9"	17'-9"	
11 1/4"	В	Single	18'-1"	17'-0"	16'-5"	19'-3"	17'-10"	17'-3"	16'-6"	20'-7"	19'-2"	18'-3"	17'-4"	
11 1/4"		Continuous Single	19'-2" 20'-11"	17'-10" 19'-5"	17'-3" 18'-7"	20'-5" 21'-8"	19'-0" 20'-3"	18'-1" 19'-4"	17'-4" 18'-0"	21'-10"	20'-4"	19'-4" 19'-6"	18'-3" 18'-0"	
	С	Continuous	22'-1"	20'-6"	19'-8"	22'-11"	21'-4"	20'-5"	19'-5"	23'-10"	22'-5"	21'-5"	19'-10"	
		Single	18'-11"	17'-8"	17'-1"	19'-11"	18'-6"	17'-9"	17'-1"	21'-0"	19'-7"	18'-8"	17'-8"	
	D	Continuous	20'-0"	18'-8"	17'-11"	21'-1"	19'-7"	18'-9"	17'-10"	22'-2"	20'-8"	19'-9"	18'-8"	
	Α	Single	18'-1"	17'-0"	16'-5"	19'-4"	17'-10"	17'-3"	16'-6"	20'-8"	19'-2"	18'-3"	17'-4"	
		Continuous Single	19'-2" 18'-8"	17'-10" 17'-5"	17'-3" 16'-10"	20'-5" 19'-11"	18'-11" 18'-5"	18'-1" 17'-8"	17'-4" 16'-11"	21'-11"	20'-4" 19'-9"	19'-4" 18'-10"	18'-3" 17'-10"	
11 7/8"	В	Continuous	19'-10"	18'-5"	17'-9"	21'-1"	19'-7"	18'-8"	17'-10"	22'-6"	21'-0"	20'-0"	18'-11"	
	С	Single	21'-8"	20'-2"	19'-3"	22'-6"	21'-0"	20'-0"	18'-8"	23'-5"	21'-7"	20'-3"	18'-8"	
		Continuous	22'-10"	21'-3"	20'-4"	23'-9"	22'-2"	21'-2"	19'-11"	24'-8"	23'-2"	22'-2"	19'-11"	
	D	Single	19'-8"	18'-3"	17'-7"	20'-7"	19'-2"	18'-4"	17'-6"	21'-9"	20'-3"	19'-4"	18'-3"	
		Continuous Single	20'-9"	19'-3" 18'-7"	18'-6" 17'-10"	21'-9"	20'-3" 19'-10"	19'-4" 18'-11"	18'-5" 17'-11"	22'-11"	21'-5" 21'-3"	20'-5" 20'-3"	19'-4" 19'-1"	
	Α	Continuous	21'-3"	19'-9"	18'-11"	22'-9"	21'-0"	20'-1"	19'-0"	24'-4"	22'-6"	21'-5"	19'-11"	
14"		Single	20'-9"	19'-3"	18'-6"	22'-1"	20'-6"	19'-7"	18'-7"	23'-7"	22'-0"	20'-11"	19'-9"	
14	В	Continuous	22'-0"	20'-6"	19'-7"	23'-5"	21'-9"	20'-9"	19'-9"	25'-0"	23'-3"	22'-3"	19'-11"	
	С	Single	24'-5"	22'-8"	21'-8"	25'-3"	23'-7"	22'-6"	21'-4"	26'-2"	24'-7"	23'-1"	21'-4"	
		Continuous Single	25'-8" 22'-0"	23'-11"	22'-11" 19'-7"	26'-7" 23'-0"	24'-10" 21'-5"	23'-9" 20'-5"	19'-11" 19'-5"	27'-7" 24'-3"	25'-11" 22'-7"	24'-10" 21'-6"	19'-11" 20'-4"	
	D	Continuous	23'-2"	21'-7"	20'-8"	24'-4"	22'-7"	21'-7"	19'-11"	25'-7"	23'-10"	22'-9"	19'-11"	
	Α	Single	21'-11"	20'-3"	19'-5"	23'-4"	21'-7"	20'-7"	19'-6"	25'-0"	23'-2"	22'-0"	20'-9"	
	A .	Continuous	23'-2"	21'-6"	20'-7"	24'-9"	22'-11"	21'-10"	19'-11"	26'-5"	24'-6"	23'-4"	19'-11"	
16"	В	Single	22'-8"	21'-0" 22'-4"	20'-2"	24'-1"	22'-4"	21'-4" 22'-8"	20'-3"	25'-8" 27'-3"	23'-11"	22'-10"	21'-6"	
i		Continuous Single	24'-0" 26'-11"	25'-0"	21'-5" 23'-11"	25'-7" 27'-9"	23'-9" 25'-11"	24'-9"	19'-11" 23'-5"	28'-9"	25'-4" 27'-0"	24'-2" 25'-7"	19'-11" 23'-8"	
	С	Continuous	28'-4"	26'-4"	24'-11"	29'-3"	27'-4"	24'-11"	19'-11"	30'-3"	28'-5"	24'-11"	19'-11"	
•		Single	24'-1"	22'-4"	21'-5"	25'-3"	23'-5"	22'-4"	21'-3"	26'-6"	24'-8"	23'-7"	22'-3"	
	D	Continuous	25'-5"	23'-8"	22'-8"	26'-8"	24'-9"	23'-7"	19'-11"	28'-0"	26'-1"	24'-11"	19'-11"	
	Α	Single	23'-7"	21'-10"	20'-11"	25'-2"	23'-3"	22'-2"	21'-0"	26'-11"	24'-11"	23'-9"	22'-4"	
		Continuous Single	25'-0" 24'-5"	23'-2" 22'-8"	22'-2" 21'-9"	26'-8" 26'-0"	24'-8" 24'-1"	23'-6"	19'-11" 21'-10"	28'-6" 27'-8"	26'-5" 25'-9"	24'-11" 24'-7"	19'-11" 23'-2"	
18"	В	Continuous	25'-11"	24'-1"	23'-1"	27'-6"	25'-7"	24'-5"	19'-11"	29'-4"	27'-4"	24'-11"	19'-11"	
	С	Single	29'-3"	27'-3"	26'-0"	30'-1"	28'-2"	26'-11"	25'-6"	31'-1"	29'-3"	28'-0"	25'-8"	
	C	Continuous	30'-10"	28'-8"	24'-11"	31'-9"	29'-8"	24'-11"	19'-11"	33'-1"	29'-11"	24'-11"	19'-11"	
	D	Single	26'-2"	24'-3"	23'-2"	27'-4"	25'-5"	24'-2"	22'-11"	28'-8"	26'-8"	25'-6"	24'-0"	
		Continuous	27'-7" 25'-1"	25'-7" 23'-3"	24'-6" 22'-3"	28'-10" 26'-10"	26'-10" 24'-9"	24'-11" 23'-7"	19'-11" 22'-4"	30'-3" 28'-8"	28'-2" 26'-6"	24'-11" 25'-3"	19'-11" 23'-9"	
	Α	Single Continuous	26'-7"	24'-8"	23'-7"	28'-5"	26'-3"	24'-11"	19'-11"	30'-4"	28'-1"	25'-3"	19'-11"	
		Single	26'-1"	24'-2"	23'-2"	27'-8"	25'-8"	24'-6"	23'-3"	29'-6"	27'-6"	26'-2"	24'-9"	
00"	_												19'-11"	
20"	В	Continuous	27'-7"	25'-8"	24'-7"	29'-4"	27'-3"	24'-11"	19'-11"	31'-3"	29'-1"	24'-11"		
20"		Continuous Single	31'-6"	29'-4"	28'-0"	32'-6"	30'-3"	28'-11"	27'-0"	33'-10"	31'-4"	30'-0"	27'-0"	
20"	С	Continuous												



IB600 Maximum Floor Spans 40 psf Unfactored Live Load 20 psf Unfactored Dead Load Limit States Design (LSD) 100% Load Duration

L/360 live load, L/240 total load deflection criteria

				SB glued a			2" OSB gl			7/8" OSB glued and nailed				
Joist	Floor	Span	spacing of IB joist (o.c.) 12" 16" 19.2"				pacing of I			spacing of IB joist (o.c.) 12" 16" 19.2" 24"				
		Single	14'-6"	13'-8"	19.2"	12" 15'-4"	16" 14'-5"	19.2" 13'-11"	24" 13'-3"	16'-2"	16" 15'-4"	19.2"	13'-3"	
	Α	Continuous	15'-3"	14'-4"	13'-11"	16'-1"	15'-2"	14'-7"	14'-0"	17'-0"	16'-1"		14'-9"	
7 7/8"	В	Single	14'-11"	14'-1"	13'-7"	15'-8"	14'-9"	14'-3"	13'-3"	16'-7"	15'-4"	14'-4"	13'-3"	
1 1/0	ь	Continuous	15'-8"	14'-9"	14'-3"	16'-5"	15'-6"	15'-0"	14'-4"	17'-4"	16'-5"	15'-10"	14'-10"	
	С	Single	16'-5" 17'-2"	15'-4"	14'-4"	17'-0" 17'-9"	15'-4"	14'-4"	13'-3"	_			13'-3"	
		Continuous Single	15'-4"	16'-3" 14'-6"	15'-9" 14'-1"	16'-0"	16'-10" 15'-2"	16'-1" 14'-4"	_				14'-10" 13'-3"	
	D	Continuous	16'-1"	15'-2"	14'-9"	16'-9"	15'-10"	15'-3"	14'-9"	17'-6"			14'-10"	
	А	Single	15'-3"	14'-4"	13'-11"	16'-1"	15'-2"	14'-7"	14'-0"	17'-0"	16'-0"	15'-5"	14'-4"	
	Α	Continuous	15'-11"	15'-1"	14'-7"	16'-10"	15'-10"	15'-4"	14'-8"	17'-10"	16'-10"	16'-2"	15'-5"	
8 5/8"	В	Single Continuous	15'-7" 16'-5"	14'-9" 15'-6"	14'-3" 15'-0"	16'-5" 17'-3"	15'-6" 16'-3"	14'-11" 15'-8"					14'-4" 15'-10"	
		Single	17'-4"	16'-5"	15'-6"	17'-10"	16'-6"	15'-6"	_				14'-4"	
	С	Continuous	18'-1"	17'-1"	16'-7"	18'-10"	17'-8"	17'-1"	15'-11"	19'-9"	18'-6"	17'-4"	15'-11"	
	D	Single	16'-1"	15'-3"	14'-9"	16'-10"	15'-11"	15'-4"	14'-4"	17'-6"	16'-6"	15'-6"	14'-4"	
		Continuous	16'-10"	15'-11"	15'-5"	17'-7"	16'-7"	16'-0"	15'-5"	18'-5"			15'-11"	
	Α	Single Continuous	15'-10" 16'-7"	14'-11" 15'-8"	14'-5" 15'-2"	16'-9" 17'-6"	15'-9" 16'-6"	15'-2" 15'-11"		_			15'-3" 15'-11"	
		Single	16'-3"	15'-4"	14'-10"	17'-1"	16'-2"	15'-7"	14'-11"				15'-3"	
9 1/4"	В	Continuous	17'-1"	16'-1"	15'-7"	17'-11"	16'-11"	16'-4"	15'-8"	19'-2"	17'-11"	17'-3"	15'-11"	
	С	Single	18'-1"	17'-1"	16'-6"	18'-10"	17'-8"	16'-7"	15'-3"	19'-6"	17'-8"	16'-7"	15'-3"	
		Continuous	19'-1"	17'-10"	17'-3"	19'-11"	18'-7"	17'-10"	15'-11"	20'-10"	19'-6"	18'-7"	15'-11"	
	D	Single Continuous	16'-10" 17'-7"	15'-11" 16'-7"	15'-5" 16'-1"	17'-6" 18'-5"	16'-7" 17'-4"	16'-0" 16'-8"	15'-3" 15'-11"				15'-3" 15'-11"	
		Single	16'-1"	15'-2"	14'-8"	16'-11"	16'-0"	15'-5"	14'-9"	17'-11"	16'-11"	16'-3"	15'-6"	
	Α	Continuous	16'-10"	15'-11"	15'-4"	17'-9"	16'-9"	16'-2"	15'-6"	19'-0"	17'-9"	17'-1"	15'-11"	
9 1/2"	В	Single	16'-6"	15'-7"	15'-0"	17'-4"	16'-4"	15'-9"	15'-1"	18'-5"	17'-3"	16'-8"	15'-7"	
02		Continuous	17'-4"	16'-4"	15'-10"	18'-3"	17'-2"	16'-7"	15'-11"		-		15'-11"	
	С	Single Continuous	18'-5" 19'-6"	17'-4" 18'-2"	16'-9" 17'-6"	19'-2" 20'-3"	17'-11" 18'-11"	16'-11" 18'-1"	_		-		15'-7" 15'-11"	
		Single	17'-1"	16'-1"	15'-7"	17'-9"	16'-9"	16'-2"	15'-7"	18'-9"	17'-7"	16'-11"	15'-7"	
	D	Continuous	17'-10"	16'-10"	16'-4"	18'-9"	17'-7"	16'-11"	15'-11"	19'-9"	18'-6"	17'-8"	15'-11"	
	Α	Single	17'-7"	16'-7"	16'-0"	18'-8"	17'-5"	16'-9"	16'-1"	20'-0"	18'-7"	17'-9"	16'-11"	
	- ' '	Continuous	18'-6" 18'-1"	17'-4" 17'-0"	16'-9" 16'-5"	19'-10" 19'-3"	18'-4" 17'-10"	17'-7" 17'-3"	16'-11"				17'-9" 17'-4"	
11 1/4"	В	Single Continuous	19'-2"	17'-10"	17'-3"	20'-5"	19'-0"	18'-1"	17'-4"	4-0" 17'-0" 16'-1" 15'-5' 33'-3" 16'-7" 15'-4" 14'-4" 14'-4" 17'-4" 16'-5" 15'-10 33'-3" 17'-0" 15'-4" 14'-4" 14'-4" 14'-4" 16'-5" 15'-10 33'-3" 16'-9" 15'-4" 14'-4" 4'-10" 18'-7" 16'-1" 16'-10" 16'-10" 16'-10" 16'-10" 16'-2" 16'-1" 16'-0" 15'-5' 16'-9" 17'-0" 16'-10" 16'-2" 16'-1" 16'-10" 16'-2" 16'-1" 16'-10" 16'-2" 16'-1" 16'-10" 16'-2" 16'-1" 16'-5" 15'-6" 15'-6" 15'-6" 15'-6" 15'-6" 15'-6" 15'-6" 15'-6" 15'-6" 16'-6" 15'-6" 16'-6" 15'-6" 16'-6" 15'-6" 16'-6" 15'-6" 16'-6" 15'-6" 16'-6" 15'-6" 16'-6" 15'-6" 16'-6" 15'-6" 16'-10" 16'-10" 16'-5" 16'-9" 17'-5" 16'-9" 17'-5" 16'-9" 17'-5" 16'-9" 17'-5" 16'-9" 17'-1" 16'-11" 17'-3" 16'-8" 16'-10" 16'-5" 16'-9" 17'-4" 16'-7" 16'-5" 16'-9" 17'-4" 16'-7" 16'-5" 16'-9" 17'-4" 16'-7" 16'-11" 16'-3" 16'-8" 16'-9" 17'-9" 16'-11" 16'-3" 16'-9" 17'-9" 16'-11" 16'-11" 16'-3" 16'-9" 17'-9" 16'-11" 16'-11" 16'-3" 16'-9" 17'-9" 16'-11" 1		18'-3"		
		Single	20'-11"	19'-5"	18'-7"	21'-8"	20'-3"	19'-4"	18'-0"		-	19'-6"	18'-0"	
	С	Continuous	22'-1"	20'-6"	19'-8"	22'-11"	21'-4"	20'-5"	18'-5"			21'-4"	18'-5"	
	D	Single	18'-11"	17'-8"	17'-1"	19'-11"	18'-6"	17'-9"	17'-1"			18'-8"	17'-8"	
		Continuous Single	20'-0" 18'-1"	18'-8" 17'-0"	17'-11" 16'-5"	21'-1" 19'-4"	19'-7" 17'-10"	18'-9" 17'-3"				17'-1" 16'-8" 17'-6" 16'-11" 19'-0" 16'-11" 17'-8" 17'-9" 18'-9" 18'-3" 19'-4" 19'-6" 21'-4" 18'-8" 19'-9" 18'-3" 19'-9" 18'-3" 19'-9" 18'-3"	18'-5" 17'-4"	
	Α	Continuous	19'-2"	17'-10"	17'-3"	20'-5"	18'-11"	18'-1"	17'-4"				18'-3"	
11 7/8"	В	Single	18'-8"	17'-5"	16'-10"	19'-11"	18'-5"	17'-8"	16'-11"	21'-3"	19'-9"	18'-10"	17'-10"	
11 7/6	ь	Continuous	19'-10"	18'-5"	17'-9"	21'-1"	19'-7"	18'-8"	17'-10"				18'-5"	
	С	Single	21'-8" 22'-10"	20'-2" 21'-3"	19'-3" 20'-4"	22'-6" 23'-9"	21'-0" 22'-2"	20'-0" 21'-2"					18'-8" 18'-5"	
		Continuous Single	19'-8"	18'-3"	17'-7"	20'-7"	19'-2"	18'-4"	17'-6"				18'-3"	
	D	Continuous	20'-9"	19'-3"	18'-6"	21'-9"	20'-3"	19'-4"	18'-5"			20'-5"	18'-5"	
	А	Single	20'-1"	18'-7"	17'-10"	21'-5"	19'-10"	18'-11"	17'-11"			20'-3"	19'-1"	
		Continuous	21'-3"	19'-9"	18'-11"	22'-9"	21'-0"	20'-1"					18'-5"	
14"	В	Single Continuous	20'-9" 22'-0"	19'-3" 20'-6"	18'-6" 19'-7"	22'-1" 23'-5"	20'-6" 21'-9"	19'-7" 20'-9"	_	-			19'-9" 18'-5"	
	_	Single	24'-5"	22'-8"	21'-8"	25'-3"	23'-7"	20-9	21'-4"			23'-1"	21'-4"	
	С	Continuous	25'-8"	23'-11"	22'-11"	26'-7"	24'-10"	23'-1"	18'-5"	27'-7"	25'-11"	23'-1"	18'-5"	
	D	Single	22'-0"	20'-5"	19'-7"	23'-0"	21'-5"	20'-5"	19'-5"		001.401	001.01	20'-4"	
		Continuous Single	23'-2"	21'-7"	20'-8" 19'-5"	24'-4"	22'-7"	21'-7"	18'-5"				18'-5" 20'-9"	
	Α	Continuous	23'-2"	21'-6"	20'-7"	24'-9"	22'-11"	21'-10"	18'-5"			23'-1"	18'-5"	
16"	В	Single	22'-8"	21'-0"	20'-2"	24'-1"	22'-4"	21'-4"	20'-3"			22'-10"	21'-6"	
10	Ь	Continuous	24'-0"	22'-4"	21'-5"	25'-7"	23'-9"	22'-8"	18'-5"			23'-1"	18'-5"	
	С	Single	26'-11"	25'-0"	23'-11"	27'-9" 29'-3"	25'-11" 27'-4"	24'-9"	23'-2"				23'-2"	
		Continuous Single	28'-4" 24'-1"	26'-4" 22'-4"	23'-1"	25'-3"	23'-5"	23'-1"	21'-3"				18'-5" 22'-3"	
	D	Continuous	25'-5"	23'-8"	22'-8"	26'-8"	24'-9"	23'-1"	18'-5"			23'-1"	18'-5"	
	Α	Single	23'-7"	21'-10"	20'-11"	25'-2"	23'-3"	22'-2"	21'-0"	26'-11"	24'-11"	23'-9"	22'-4"	
	^	Continuous	25'-0"	23'-2"	22'-2"	26'-8"	24'-8"	23'-1"	18'-5"	28'-6"	26'-5"	23'-1"	18'-5"	
18"	В	Single Continuous	24'-5" 25'-11"	22'-8" 24'-1"	21'-9" 23'-1"	26'-0" 27'-6"	24'-1" 25'-7"	23'-0" 23'-1"	21'-10" 18'-5"	27'-8" 29'-4"	25'-9" 27'-4"	24'-7" 23'-1"	23'-2" 18'-5"	
		Single	29'-3"	27'-3"	26'-0"	30'-1"	28'-2"	26'-11"	24'-8"	31'-1"	29'-3"	27'-7"	24'-8"	
	С	Continuous	30'-10"	27'-9"	23'-1"	31'-9"	27'-9"	23'-1"	18'-5"	33'-1"	27'-9"	23'-1"	18'-5"	
	D	Single	26'-2"	24'-3"	23'-2"	27'-4"	25'-5"	24'-2"	22'-11"	28'-8"	26'-8"	25'-6"	24'-0"	
\vdash	-	Continuous	27'-7"	25'-7"	23'-1"	28'-10"	26'-10"	23'-1"	18'-5"	30'-3"	27'-9"	23'-1"	18'-5"	
	Α	Single Continuous	25'-1" 26'-7"	23'-3" 24'-8"	22'-3" 23'-1"	26'-10" 28'-5"	24'-9" 26'-3"	23'-7" 23'-1"	22'-4" 18'-5"	28'-8" 30'-4"	26'-6" 27'-9"	25'-3" 23'-1"	23'-9" 18'-5"	
		Single	26'-1"	24'-2"	23'-2"	27'-8"	25'-8"	24'-6"	23'-3"	29'-6"	27'-6"	26'-2"	24'-9"	
20"	В	Continuous	27'-7"	25'-8"	23'-1"	29'-4"	27'-3"	23'-1"	18'-5"	31'-3"	27'-9"	23'-1"	18'-5"	
	С	Single	31'-6"	29'-4"	28'-0"	32'-6"	30'-3"	28'-11"	26'-0"	33'-10"	31'-4"	29'-1"	26'-0"	
		Continuous	33'-7"	27'-9"	23'-1"	34'-10"	27'-9"	23'-1"	18'-5"	36'-4"	27'-9"	23'-1"	18'-5"	
	D	Single Continuous	28'-0" 29'-6"	26'-0" 27'-5"	24'-10" 23'-1"	29'-3" 30'-10"	27'-2" 27'-9"	25'-10" 23'-1"	24'-6" 18'-5"	30'-7" 32'-4"	28'-6" 27'-9"	27'-2" 23'-1"	25'-8" 18'-5"	
		Johnhadas	20-0	2, -0	20-1	00.10	21 -0	20-1	10-0	UZ -4	21-3	20-1	10-0	



IB600 Maximum Floor Spans 40 psf Unfactored Live Load 25 psf Unfactored Dead Load Limit States Design (LSD) 100% Load Duration

L/360 live load, L/240 total load deflection criteria

Joist	Floor	Span		SB glued a			2" OSB gl pacing of I			7/8" OSB glued and nailed				
JOIST	Floor	Span	spacing of IB joist (o.c.) 12" 16" 19.2"			12"	16"	19.2"	24"	spacing of IB joist (o.c.) 12" 16" 19.2" 24"				
	_	Single	14'-6"	13'-8"	13'-3"	15'-4"	14'-5"	13'-11"	13'-3"	16'-2"	15'-4"	14'-4"	13'-3"	
	Α	Continuous	15'-3"	14'-4"	13'-11"	16'-1"	15'-2"	14'-7"	14'-0"	17'-0"	16'-1"	15'-5"	14'-9"	
7 7/8"	В	Single	14'-11"	14'-1"	13'-7"	15'-8"	14'-9"	14'-3"	13'-3"	16'-7"	15'-4"	14'-4"	13'-3"	
7 770		Continuous	15'-8"	14'-9"	14'-3"	16'-5"	15'-6"	15'-0"	14'-4"	17'-4"	16'-5"	15'-10"	14'-10	
	С	Single	16'-5"	15'-4"	14'-4"	17'-0"	15'-4"	14'-4"	13'-3"	17'-0"	15'-4"	14'-4"	13'-3"	
		Continuous	17'-2" 15'-4"	16'-3" 14'-6"	15'-9" 14'-1"	17'-9"	16'-10" 15'-2"	16'-1" 14'-4"	14'-10" 13'-3"	18'-7"	17'-2" 15'-4"		14'-10 13'-3"	
	D	Single Continuous	16'-1"	15'-2"	14-1	16'-0" 16'-9"	15'-10"	15'-3"	14'-9"	16'-9" 17'-6"	16'-7"		14'-10'	
		Single	15'-3"	14'-4"	13'-11"	16'-1"	15'-2"	14'-7"	14'-0"	17'-0"	16'-0"		14'-4"	
	Α	Continuous	15'-11"	15'-1"	14'-7"	16'-10"	15'-10"	15'-4"	14'-8"	17'-10"	16'-10"	16'-2"	14'-10	
8 5/8"	В	Single	15'-7"	14'-9"	14'-3"	16'-5"	15'-6"	14'-11"	14'-4"	17'-4"	16'-5"	15'-6"	14'-4"	
0 3/0	ь	Continuous	16'-5"	15'-6"	15'-0"	17'-3"	16'-3"	15'-8"	14'-10"	18'-3"	17'-2"	16'-7"	14'-10	
	С	Single	17'-4"	16'-5"	15'-6"	17'-10"	16'-6"	15'-6"	14'-4"	18'-3"	16'-6"	15'-6"	14'-4"	
	_	Continuous	18'-1"	17'-1"	16'-7"	18'-10"	17'-8"	17'-1"	14'-10"	19'-9"	18'-6"		14'-10	
	D		16'-1" 16'-10"	15'-3" 15'-11"	14'-9" 15'-5"	16'-10" 17'-7"	15'-11" 16'-7"	15'-4" 16'-0"	14'-4" 14'-10"	17'-6" 18'-5"	16'-6" 17'-5"		14'-4" 14'-10	
			15'-10"	14'-11"	14'-5"	16'-9"	15'-9"	15'-2"	14'-7"	17'-8"	16'-8"		15'-3"	
	Α	Continuous	16'-7"	15'-8"	15'-2"	17'-6"	16'-6"	15'-11"	14'-10"	18'-8"	17'-6"		14'-10	
0.4/4"		Single	16'-3"	15'-4"	14'-10"	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15'-3"							
9 1/4"	В	Continuous	17'-1"	16'-1"	15'-7"	17'-11"	16'-11"	16'-4"	14'-10"	19'-2"	17'-11"	17'-3"	14'-10	
	С	Single	18'-1"	17'-1"	16'-6"							15'-6' 16'-7" 15'-6' 16'-7" 15'-6' 16'-9' 16'-10' 16'-10' 16'-5' 17'-3' 16'-7" 18'-4" 16'-7" 18'-4" 16'-7" 17'-5' 16'-3" 17'-1" 16'-8' 17'-1" 18'-8" 17'-9' 18'-9' 18'-9' 18'-3' 19'-4' 19'-6' 20'-7" 18'-8' 19'-9' 18'-3' 19'-4' 19'-6' 20'-7" 18'-8' 19'-9' 18'-3' 19'-4' 19'-6' 20'-7" 18'-8' 19'-4' 19'-6' 20'-7" 18'-8' 19'-4' 19'-6' 20'-7" 18'-8' 19'-4' 19'-6' 20'-7" 18'-8' 19'-4' 19'-6' 20'-7" 18'-8' 19'-4' 19'-6' 20'-7" 18'-8' 19'-4' 19'-6' 20'-7" 18'-8' 19'-4' 19'-6' 20'-11' 20'-0' 20'-3' 21'-5' 20'-11' 21'-6' 23'-1' 21'-6'	15'-3"	
		Continuous	19'-1"	17'-10"	17'-3"	_	_						14'-10	
	D		16'-10" 17'-7"	15'-11" 16'-7"	15'-5"								15'-3" 14'-10	
			16'-1"	15'-2"	14'-8"						_		15'-6"	
	Α	Continuous	16'-10"	15'-11"	15'-4"								14'-10'	
0.4/0"		Single	16'-6"	15'-7"	15'-0"	-							15'-7"	
9 1/2"	В	Continuous	17'-4"	16'-4"	15'-10"								14'-10'	
	٠	Single	18'-5"	17'-4"	16'-9"								15'-7"	
	9 1/4" B Single Continuc	Continuous	19'-6"	18'-2"	17'-6"			_					14'-10'	
	D		17'-1"	16'-1"	15'-7"								15'-7"	
			17'-10" 17'-7"	16'-10" 16'-7"									14'-10' 16'-11'	
	Α		18'-6"	17'-4"	16'-9"								17'-2"	
			18'-1"	17'-0"	16'-5"								17'-4"	
11 1/4"	В	Continuous	19'-2"	17'-10"	17'-3"								17'-2"	
	_	Single	20'-11"	19'-5"	18'-7"	21'-8"	20'-3"	19'-4"	18'-0"	22'-7"	20'-9"	19'-6"	18'-0"	
11 1/4"		Continuous	22'-1"	20'-6"	19'-8"								17'-2"	
	D		18'-11"	17'-8"	17'-1"								17'-8"	
			20'-0" 18'-1"	18'-8" 17'-0"	17'-11" 16'-5"	21'-1" 19'-4"	19'-7" 17'-10"	18'-9" 17'-3"	17'-2" 16'-6"	22'-2" 20'-8"	20'-8" 19'-2"		17'-2" 17'-4"	
	Α		19'-2"	17'-10"	17'-3"	20'-5"	18'-11"	18'-1"	17'-2"	21'-11"	20'-4"		17'-4"	
	_		18'-8"	17'-5"	16'-10"	19'-11"	18'-5"	17'-8"	16'-11"	21'-3"	19'-9"		17'-10'	
11 7/8"	В	Continuous	19'-10"	18'-5"	17'-9"	21'-1"	19'-7"	18'-8"	17'-2"	22'-6"	21'-0"	20'-0"	17'-2"	
	C		21'-8"	20'-2"	19'-3"	22'-6"	21'-0"	20'-0"	18'-8"	23'-5"	21'-7"		18'-8"	
		Continuous	22'-10"	21'-3"	20'-4"	23'-9"	22'-2"	21'-2"	17'-2"	24'-8"	23'-2"		17'-2"	
	D		19'-8" 20'-9"	18'-3" 19'-3"	17'-7" 18'-6"	20'-7" 21'-9"	19'-2" 20'-3"	18'-4" 19'-4"	17'-6" 17'-2"	21'-9" 22'-11"	20'-3" 21'-5"		18'-3" 17'-2"	
			20'-9"	18'-7"	17'-10"	21'-9"	19'-10"	18'-11"	17'-11"	22'-11"	21'-3"		19'-1"	
	Α	Continuous	21'-3"	19'-9"	18'-11"	22'-9"	21'-0"	20'-1"	17'-2"	24'-4"	22'-6"		17'-2"	
4.41		Single	20'-9"	19'-3"	18'-6"	22'-1"	20'-6"	19'-7"	18'-7"	23'-7"	22'-0"	20'-11"	19'-9"	
14"	В	Continuous	22'-0"	20'-6"	19'-7"	23'-5"	21'-9"	20'-9"	17'-2"	25'-0"	23'-3"		17'-2"	
	С	Single	24'-5"	22'-8"	21'-8"	25'-3"	23'-7"	22'-6"	20'-9"	26'-2"	24'-7"		20'-9"	
		Continuous	25'-8"	23'-11"	21'-6"	26'-7"	24'-10"	21'-6"	17'-2"	27'-7"	25'-7"		17'-2"	
	D	Single Continuous	22'-0" 23'-2"	20'-5" 21'-7"	19'-7" 20'-8"	23'-0" 24'-4"	21'-5" 22'-7"	20'-5" 21'-6"	19'-5" 17'-2"	24'-3" 25'-7"	22'-7" 23'-10"	21'-6"	20'-4" 17'-2"	
		Single	21'-11"	20'-3"	19'-5"	23'-4"	21'-7"	20'-7"	19'-6"	25'-0"	23'-2"	22'-0"	20'-9"	
	Α	Continuous	23'-2"	21'-6"	20'-7"	24'-9"	22'-11"	21'-6"	17'-2"	26'-5"	24'-6"	21'-6"	17'-2"	
16"	В	Single	22'-8"	21'-0"	20'-2"	24'-1"	22'-4"	21'-4"	20'-3"	25'-8"	23'-11"	22'-10"	21'-6"	
10	В	Continuous	24'-0"	22'-4"	21'-5"	25'-7"	23'-9"	21'-6"	17'-2"	27'-3"	25'-4"	21'-6"	17'-2"	
	С	Single	26'-11"	25'-0"	23'-11"	27'-9"	25'-11"	24'-9"	22'-4"	28'-9"	27'-0"	25'-0"	22'-4"	
		Continuous	28'-4"	25'-10"	21'-6"	29'-3"	25'-10"	21'-6"	17'-2"	30'-3"	25'-10"	21'-6"	17'-2"	
	D	Single Continuous	24'-1" 25'-5"	22'-4" 23'-8"	21'-5" 21'-6"	25'-3" 26'-8"	23'-5" 24'-9"	22'-4" 21'-6"	21'-3" 17'-2"	26'-6" 28'-0"	24'-8" 25'-10"	23'-7" 21'-6"	22'-3" 17'-2"	
		Single	23'-7"	21'-10"	20'-11"	25'-2"	23'-3"	22'-2"	21'-0"	26'-11"	24'-11"	23'-9"	22'-4"	
	Α	Continuous	25'-0"	23'-2"	21'-6"	26'-8"	24'-8"	21'-6"	17'-2"	28'-6"	25'-10"	21'-6"	17'-2"	
40"		Single	24'-5"	22'-8"	21'-9"	26'-0"	24'-1"	23'-0"	21'-10"	27'-8"	25'-9"	24'-7"	23'-2"	
18"	В	Continuous	25'-11"	24'-1"	21'-6"	27'-6"	25'-7"	21'-6"	17'-2"	29'-4"	25'-10"	21'-6"	17'-2"	
	С	Single	29'-3"	27'-3"	26'-0"	30'-1"	28'-2"	26'-8"	23'-10"	31'-1"	29'-2"	26'-8"	23'-10'	
		Continuous	30'-10"	25'-10"	21'-6"	31'-9"	25'-10"	21'-6"	17'-2"	33'-1"	25'-10"	21'-6"	17'-2"	
	D	Single	26'-2"	24'-3"	23'-2"	27'-4"	25'-5"	24'-2"	22'-11"	28'-8"	26'-8"	25'-6"	23'-10'	
		Continuous	27'-7"	25'-7"	21'-6"	28'-10"	25'-10"	21'-6"	17'-2" 22'-4"	30'-3"	25'-10"	21'-6"	17'-2" 23'-9"	
	Α	Single Continuous	25'-1" 26'-7"	23'-3" 24'-8"	22'-3" 21'-6"	26'-10" 28'-5"	24'-9" 25'-10"	23'-7" 21'-6"	17'-2"	28'-8" 30'-4"	26'-6" 25'-10"	25'-3" 21'-6"	17'-2"	
		Single	26'-1"	24'-2"	23'-2"	27'-8"	25'-8"	24'-6"	23'-3"	29'-6"	27'-6"	26'-2"	24'-9"	
20"	В	Continuous	27'-7"	25'-8"	21'-6"	29'-4"	25'-10"	21'-6"	17'-2"	31'-3"	25'-10"	21'-6"	17'-2"	
	С	Single	31'-6"	29'-4"	28'-0"	32'-6"	30'-3"	28'-0"	25'-1"	33'-10"	30'-9"	28'-0"	25'-1"	
	C	Continuous	33'-7"	25'-10"	21'-6"	34'-6"	25'-10"	21'-6"	17'-2"	34'-6"	25'-10"	21'-6"	17'-2"	
	D	Single	28'-0"	26'-0"	24'-10"	29'-3"	27'-2"	25'-10"	24'-6"	30'-7"	28'-6"	27'-2"	25'-1"	
		Continuous	29'-6"	25'-10"	21'-6"	30'-10"	25'-10"	21'-6"	17'-2"	32'-4"	25'-10"	21'-6"	17'-2"	



IB600 Maximum Floor Spans 40 psf Unfactored Live Load 30 psf Unfactored Dead Load Limit States Design (LSD) 100% Load Duration

L/360 live load, L/240 total load deflection criteria

			19/32" OS	SB glued a	and nailed	23/3	2" OSB gl	ued and n	ailed	7/8	" OSB glu	ed and na	iled	
Joist	Floor	Span	spacing of IB joist (o.c.)					IB joist (o.		spacing of IB joist (o.c.)				
		0: 1	12"	16"	19.2"	12"	16"	19.2"	24"	12"	16"	19.2"	24"	
	Α	Single Continuous	14'-6" 15'-3"	13'-8" 14'-4"	13'-3" 13'-11"	15'-4" 16'-1"	14'-5" 15'-2"	13'-11" 14'-7"	13'-3" 13'-10"	16'-2" 17'-0"	15'-4" 16'-1"	14'-4" 15'-5"	13'-3" 13'-10"	
		Single	14'-11"	14'-1"	13'-7"	15'-8"	14'-9"	14'-3"	13'-3"	16'-7"	15'-4"	14'-4"	13'-3"	
7 7/8"	В	Continuous	15'-8"	14'-9"	14'-3"	16'-5"	15'-6"	15'-0"	13'-10"	17'-4"	16'-5"	15'-10"	13'-10"	
	_	Single	16'-5"	15'-3"	14'-4"	16'-9"	15'-4"	14'-4"	13'-3"	16'-11"	15'-4"	14'-4"	13'-3"	
	С	Continuous	17'-2"	16'-3"	15'-9"	17'-9"	16'-10"	16'-1"	13'-10"	18'-7"	17'-2"	16'-1"	13'-10"	
	D	Single	15'-4"	14'-6"	14'-1"	16'-0"	15'-2"	14'-4"	13'-3"	16'-9"	15'-4"	14'-4"	13'-3"	
		Continuous	16'-1"	15'-2"	14'-9"	16'-9"	15'-10"	15'-3"	13'-10"	17'-6"	16'-7"	16'-0"	13'-10"	
	Α	Single	15'-3"	14'-4"	13'-11"	16'-1"	15'-2"	14'-7"	14'-0"	17'-0"	16'-0"	15'-5"	14'-4"	
		Continuous	15'-11" 15'-7"	15'-1" 14'-9"	14'-7" 14'-3"	16'-10" 16'-5"	15'-10" 15'-6"	15'-4" 14'-11"	13'-10" 14'-4"	17'-10" 17'-4"	16'-10" 16'-5"	16'-2" 15'-6"	13'-10" 14'-4"	
8 5/8"	В	Single Continuous	16'-5"	15'-6"	15'-0"	17'-3"	16'-3"	15'-8"	13'-10"	18'-3"	17'-2"	16'-7"	13'-10"	
		Single	17'-4"	16'-5"	15'-5"	17'-10"	16'-6"	15'-6"	14'-4"	18'-3"	16'-6"	15'-6"	14'-4"	
	С	Continuous	18'-1"	17'-1"	16'-7"	18'-10"	17'-8"	17'-0"	13'-10"	19'-9"	18'-6"	17'-0"	13'-10"	
	D	Single	16'-1"	15'-3"	14'-9"	16'-10"	15'-11"	15'-4"	14'-4"	17'-6"	16'-6"	15'-6"	14'-4"	
	D	Continuous	16'-10"	15'-11"	15'-5"	17'-7"	16'-7"	16'-0"	13'-10"	18'-5"	17'-5"	16'-9"	13'-10"	
	Α	Single	15'-10"	14'-11"	14'-5"	16'-9"	15'-9"	15'-2"	14'-7"	17'-8"	16'-8"	16'-0"	15'-3"	
		Continuous	16'-7"	15'-8"	15'-2"	17'-6"	16'-6"	15'-11"	13'-10"	18'-8"	17'-6"	16'-10"	13'-10"	
9 1/4"	В	Single Continuous	16'-3" 17'-1"	15'-4" 16'-1"	14'-10" 15'-7"	17'-1" 17'-11"	16'-2" 16'-11"	15'-7" 16'-4"	14'-11" 13'-10"	18'-1" 19'-2"	17'-0" 17'-11"	16'-5" 17'-3"	15'-3" 13'-10"	
		Single	18'-1"	17'-1"	16'-5"	18'-10"	17'-7"	16'-7"	15'-3"	19'-5"	17'-11	16'-7"	15'-3"	
	С	Continuous	19'-1"	17'-10"	17'-3"	19'-11"	18'-7"	17'-4"	13'-10"	20'-10"	19'-5"	17'-4"	13'-10"	
		Single	16'-10"	15'-11"	15'-5"	17'-6"	16'-7"	16'-0"	15'-3"	18'-5"	17'-4"	16'-7"	15'-3"	
	D	Continuous	17'-7"	16'-7"	16'-1"	18'-5"	17'-4"	16'-8"	13'-10"	19'-5"	18'-2"	17'-4"	13'-10"	
	Α	Single	16'-1"	15'-2"	14'-8"	16'-11"	16'-0"	15'-5"	14'-9"	17'-11"	16'-11"	16'-3"	15'-6"	
		Continuous	16'-10"	15'-11"	15'-4"	17'-9"	16'-9"	16'-2"	13'-10"	19'-0"	17'-9"	17'-1"	13'-10"	
9 1/2"	В	Single	16'-6"	15'-7"	15'-0"	17'-4"	16'-4"	15'-9"	15'-1"	18'-5"	17'-3"	16'-8"	15'-7"	
		Continuous Single	17'-4" 18'-5"	16'-4" 17'-4"	15'-10" 16'-9"	18'-3" 19'-2"	17'-2" 17'-11"	16'-7" 16'-11"	13'-10" 15'-7"	19'-6" 19'-10"	18'-2" 18'-1"	17'-4" 16'-11"	13'-10" 15'-7"	
	С	Continuous	19'-6"	18'-2"	17'-4"	20'-3"	18'-11"	17'-4"	13'-10"	21'-2"	19'-9"	17'-4"	13'-10"	
		Single	17'-1"	16'-1"	15'-7"	17'-9"	16'-9"	16'-2"	15'-7"	18'-9"	17'-7"	16'-11"	15'-7"	
	D	Continuous	17'-10"	16'-10"	16'-4"	18'-9"	17'-7"	16'-11"	13'-10"	19'-9"	18'-6"	17'-4"	13'-10"	
	Α	Single	17'-7"	16'-7"	16'-0"	18'-8"	17'-5"	16'-9"	16'-1"	20'-0"	18'-7"	17'-9"	16'-11"	
	A	Continuous	18'-6"	17'-4"	16'-9"	19'-10"	18'-4"	17'-7"	16'-1"	21'-3"	19'-8"	18'-9"	16'-1"	
11 1/4"	В	Single	18'-1"	17'-0"	16'-5"	19'-3"	17'-10"	17'-3"	16'-6"	20'-7"	19'-2"	18'-3"	17'-4"	
		Continuous	19'-2"	17'-10"	17'-3"	20'-5"	19'-0"	18'-1"	16'-1"	21'-10"	20'-4"	19'-4"	16'-1"	
	С	Single	20'-11"	19'-5" 20'-6"	18'-7" 19'-8"	21'-8" 22'-11"	20'-3" 21'-4"	19'-4" 19'-11"	17'-9" 16'-1"	22'-7" 23'-10"	20'-9" 21'-10"	19'-6" 19'-11"	17'-9" 16'-1"	
		Continuous Single	18'-11"	17'-8"	17'-1"	19'-11"	18'-6"	17'-9"	17'-1"	21'-0"	19'-7"	18'-8"	17'-8"	
	D	Continuous	20'-0"	18'-8"	17'-11"	21'-1"	19'-7"	18'-9"	16'-1"	22'-2"	20'-8"	19'-9"	16'-1"	
		Single	18'-1"	17'-0"	16'-5"	19'-4"	17'-10"	17'-3"	16'-6"	20'-8"	19'-2"	18'-3"	17'-4"	
	Α	Continuous	19'-2"	17'-10"	17'-3"	20'-5"	18'-11"	18'-1"	16'-1"	21'-11"	20'-4"	19'-4"	16'-1"	
11 7/8"	В	Single	18'-8"	17'-5"	16'-10"	19'-11"	18'-5"	17'-8"	16'-11"	21'-3"	19'-9"	18'-10"	17'-10"	
11 770		Continuous	19'-10"	18'-5"	17'-9"	21'-1"	19'-7"	18'-8"	16'-1"	22'-6"	21'-0"	20'-0"	16'-1"	
	С	Single	21'-8"	20'-2" 21'-3"	19'-3" 20'-1"	22'-6" 23'-9"	21'-0" 22'-2"	20'-0"	18'-3" 16'-1"	23'-5" 24'-8"	21'-6" 22'-6"	20'-3" 20'-1"	18'-3" 16'-1"	
		Continuous Single	19'-8"	18'-3"	17'-7"	20'-7"	19'-2"	18'-4"	17'-6"	24-8	20'-3"	19'-4"	18'-3"	
	D	Continuous	20'-9"	19'-3"	18'-6"	21'-9"	20'-3"	19'-4"	16'-1"	22'-11"	21'-5"	20'-1"	16'-1"	
		Single	20'-1"	18'-7"	17'-10"	21'-5"	19'-10"	18'-11"	17'-11"	22'-11"	21'-3"	20'-3"	19'-1"	
	Α	Continuous	21'-3"	19'-9"	18'-11"	22'-9"	21'-0"	20'-1"	16'-1"	24'-4"	22'-6"	20'-1"	16'-1"	
14"	В	Single	20'-9"	19'-3"	18'-6"	22'-1"	20'-6"	19'-7"	18'-7"	23'-7"	22'-0"	20'-11"	19'-9"	
·+		Continuous	22'-0"	20'-6"	19'-7"	23'-5"	21'-9"	20'-1"	16'-1"	25'-0"	23'-3"	20'-1"	16'-1"	
	С	Single	24'-5"	22'-8"	21'-8"	25'-3"	23'-7"	22'-6"	20'-1"	26'-2"	24'-5"	22'-6"	20'-1"	
		Continuous	25'-8" 22'-0"	23'-11"	20'-1" 19'-7"	26'-7" 23'-0"	24'-2" 21'-5"	20'-1"	16'-1" 19'-5"	27'-7" 24'-3"	24'-2" 22'-7"	20'-1" 21'-6"	16'-1" 20'-1"	
	D	Single Continuous	23'-2"	20-5	20'-1"	24'-4"	21-5	20-5	16'-1"	25'-7"	23'-10"	20'-1"	16'-1"	
		Single	21'-11"	20'-3"	19'-5"	23'-4"	21'-7"	20'-7"	19'-6"	25'-0"	23'-2"	22'-0"	20'-9"	
	Α	Continuous	23'-2"	21'-6"	20'-1"	24'-9"	22'-11"	20'-1"	16'-1"	26'-5"	24'-2"	20'-1"	16'-1"	
16"	В			21'-0"	20'-2"		22'-4"	21'-4"	001.01	25'-8"	23'-11"	22'-10"	21'-6"	
10		Single	22'-8"			24'-1"			20'-3"					
Į.	В	Continuous	24'-0"	22'-4"	20'-1"	25'-7"	23'-9"	20'-1"	16'-1"	27'-3"	24'-2"	20'-1"	16'-1"	
	С	Continuous Single	24'-0" 26'-11"	22'-4" 25'-0"	20'-1" 23'-11"	25'-7" 27'-9"	23'-9" 25'-11"	20'-1" 24'-3"	16'-1" 21'-8"	27'-3" 28'-9"	24'-2" 26'-6"	24'-3"	21'-8"	
		Continuous Single Continuous	24'-0" 26'-11" 28'-4"	22'-4" 25'-0" 24'-2"	20'-1" 23'-11" 20'-1"	25'-7" 27'-9" 29'-3"	23'-9" 25'-11" 24'-2"	20'-1" 24'-3" 20'-1"	16'-1" 21'-8" 16'-1"	27'-3" 28'-9" 30'-3"	24'-2" 26'-6" 24'-2"	24'-3" 20'-1"	21'-8" 16'-1"	
		Continuous Single Continuous Single	24'-0" 26'-11" 28'-4" 24'-1"	22'-4" 25'-0" 24'-2" 22'-4"	20'-1" 23'-11" 20'-1" 21'-5"	25'-7" 27'-9" 29'-3" 25'-3"	23'-9" 25'-11" 24'-2" 23'-5"	20'-1" 24'-3" 20'-1" 22'-4"	16'-1" 21'-8" 16'-1" 21'-3"	27'-3" 28'-9" 30'-3" 26'-6"	24'-2" 26'-6" 24'-2" 24'-8"	24'-3" 20'-1" 23'-7"	21'-8" 16'-1" 21'-8"	
	C D	Continuous Single Continuous Single Continuous	24'-0" 26'-11" 28'-4" 24'-1" 25'-5"	22'-4" 25'-0" 24'-2" 22'-4" 23'-8"	20'-1" 23'-11" 20'-1" 21'-5" 20'-1"	25'-7" 27'-9" 29'-3" 25'-3" 26'-8"	23'-9" 25'-11" 24'-2" 23'-5" 24'-2"	20'-1" 24'-3" 20'-1" 22'-4" 20'-1"	16'-1" 21'-8" 16'-1" 21'-3" 16'-1"	27'-3" 28'-9" 30'-3" 26'-6" 28'-0"	24'-2" 26'-6" 24'-2" 24'-8" 24'-2"	24'-3" 20'-1" 23'-7" 20'-1"	21'-8" 16'-1" 21'-8" 16'-1"	
	С	Continuous Single Continuous Single Continuous Single Single	24'-0" 26'-11" 28'-4" 24'-1"	22'-4" 25'-0" 24'-2" 22'-4"	20'-1" 23'-11" 20'-1" 21'-5"	25'-7" 27'-9" 29'-3" 25'-3"	23'-9" 25'-11" 24'-2" 23'-5"	20'-1" 24'-3" 20'-1" 22'-4"	16'-1" 21'-8" 16'-1" 21'-3"	27'-3" 28'-9" 30'-3" 26'-6"	24'-2" 26'-6" 24'-2" 24'-8"	24'-3" 20'-1" 23'-7"	21'-8" 16'-1" 21'-8"	
10"	C D	Continuous Single Continuous Single Continuous	24'-0" 26'-11" 28'-4" 24'-1" 25'-5" 23'-7"	22'-4" 25'-0" 24'-2" 22'-4" 23'-8" 21'-10"	20'-1" 23'-11" 20'-1" 21'-5" 20'-1"	25'-7" 27'-9" 29'-3" 25'-3" 26'-8" 25'-2" 26'-8" 26'-0"	23'-9" 25'-11" 24'-2" 23'-5" 24'-2" 23'-3"	20'-1" 24'-3" 20'-1" 22'-4" 20'-1" 22'-2"	16'-1" 21'-8" 16'-1" 21'-3" 16'-1" 21'-0"	27'-3" 28'-9" 30'-3" 26'-6" 28'-0" 26'-11"	24'-2" 26'-6" 24'-2" 24'-8" 24'-2" 24'-11"	24'-3" 20'-1" 23'-7" 20'-1" 23'-9"	21'-8" 16'-1" 21'-8" 16'-1" 22'-4"	
18"	C D	Continuous Single Continuous Single Continuous Single Continuous Single Continuous Single Continuous	24'-0" 26'-11" 28'-4" 24'-1" 25'-5" 23'-7" 25'-0" 24'-5" 25'-11"	22'-4" 25'-0" 24'-2" 22'-4" 23'-8" 21'-10" 23'-2" 22'-8" 24'-1"	20'-1" 23'-11" 20'-1" 21'-5" 20'-1" 20'-11" 20'-1" 21'-9" 20'-1"	25'-7" 27'-9" 29'-3" 25'-3" 26'-8" 25'-2" 26'-8" 26'-0" 27'-6"	23'-9" 25'-11" 24'-2" 23'-5" 24'-2" 23'-3" 24'-2" 24'-1" 24'-2"	20'-1" 24'-3" 20'-1" 22'-4" 20'-1" 22'-2" 20'-1" 23'-0" 20'-1"	16'-1" 21'-8" 16'-1" 21'-3" 16'-1" 21'-0" 16'-1" 21'-10" 16'-1"	27'-3" 28'-9" 30'-3" 26'-6" 28'-0" 26'-11" 28'-6" 27'-8" 29'-4"	24'-2" 26'-6" 24'-2" 24'-8" 24'-11" 24'-2" 25'-9" 24'-2"	24'-3" 20'-1" 23'-7" 20'-1" 23'-9" 20'-1" 24'-7" 20'-1"	21'-8" 16'-1" 21'-8" 16'-1" 22'-4" 16'-1" 23'-0" 16'-1"	
18"	C D A B	Continuous Single Continuous Single Continuous Single Continuous Single Continuous Single Continuous Single	24'-0" 26'-11" 28'-4" 24'-1" 25'-5" 23'-7" 25'-0" 24'-5" 25'-11" 29'-3"	22'-4" 25'-0" 24'-2" 22'-4" 23'-8" 21'-10" 23'-2" 22'-8" 24'-1" 27'-3"	20'-1" 23'-11" 20'-1" 21'-5" 20'-11" 20'-11" 20'-11" 20'-1" 21'-9" 20'-1" 25'-9"	25'-7" 27'-9" 29'-3" 25'-3" 26'-8" 25'-2" 26'-8" 26'-0" 27'-6" 30'-1"	23'-9" 25'-11" 24'-2" 23'-5" 24'-2" 23'-3" 24'-2" 24'-1" 24'-2" 28'-2"	20'-1" 24'-3" 20'-1" 22'-4" 20'-1" 22'-2" 20'-1" 23'-0" 20'-1" 25'-9"	16'-1" 21'-8" 16'-1" 21'-3" 16'-1" 21'-0" 16'-1" 21'-10" 16'-1" 23'-0"	27'-3" 28'-9" 30'-3" 26'-6" 28'-0" 26'-11" 28'-6" 27'-8" 29'-4" 31'-1"	24'-2" 26'-6" 24'-2" 24'-8" 24'-11" 24'-2" 25'-9" 24'-2" 28'-3"	24'-3" 20'-1" 23'-7" 20'-1" 23'-9" 20'-1" 24'-7" 20'-1" 25'-9"	21'-8" 16'-1" 21'-8" 16'-1" 22'-4" 16'-1" 23'-0" 16'-1" 23'-0"	
18"	C D	Continuous Single Continuous Single Continuous Single Continuous Single Continuous Single Continuous Single Continuous Continuous	24'-0" 26'-11" 28'-4" 24'-1" 25'-5" 23'-7" 25'-0" 24'-5" 25'-11" 29'-3" 30'-10"	22'-4" 25'-0" 24'-2" 22'-4" 23'-8" 21'-10" 23'-2" 22'-8" 24'-1" 27'-3" 24'-2"	20'-1" 23'-11" 20'-1" 21'-5" 20'-11" 20'-11" 20'-11" 20'-11" 21'-9" 20'-1" 25'-9"	25'-7" 27'-9" 29'-3" 25'-3" 26'-8" 25'-2" 26'-8" 26'-0" 27'-6" 30'-1" 31'-9"	23'-9" 25'-11" 24'-2" 23'-5" 24'-2" 23'-3" 24'-2" 24'-1" 24'-2" 28'-2" 24'-2"	20'-1" 24'-3" 20'-1" 22'-4" 20'-1" 22'-2" 20'-1" 23'-0" 20'-1" 25'-9" 20'-1"	16'-1" 21'-8" 16'-1" 21'-3" 16'-1" 21'-0" 16'-1" 21'-10" 16'-1" 23'-0" 16'-1"	27'-3" 28'-9" 30'-3" 26'-6" 28'-0" 26'-11" 28'-6" 27'-8" 29'-4" 31'-1" 32'-3"	24'-2" 26'-6" 24'-2" 24'-8" 24'-2" 24'-11" 24'-2" 25'-9" 24'-2" 28'-3" 24'-2"	24'-3" 20'-1" 23'-7" 20'-1" 23'-9" 20'-1" 24'-7" 20'-1" 25'-9" 20'-1"	21'-8" 16'-1" 21'-8" 16'-1" 22'-4" 16'-1" 23'-0" 16'-1" 23'-0" 16'-1"	
18"	C D A B	Continuous Single Continuous	24'-0" 26'-11" 28'-4" 24'-1" 25'-5" 23'-7" 25'-0" 24'-5" 25'-11" 29'-3" 30'-10" 26'-2"	22'-4" 25'-0" 24'-2" 22'-4" 23'-8" 21'-10" 23'-2" 22'-8" 24'-1" 27'-3" 24'-2" 24'-3"	20'-1" 23'-11" 20'-1" 21'-5" 20'-11" 20'-11" 20'-11" 20'-11" 21'-9" 20'-1" 25'-9" 20'-1" 23'-2"	25'-7" 27'-9" 29'-3" 25'-3" 26'-8" 25'-2" 26'-8" 26'-0" 27'-6" 30'-1" 31'-9" 27'-4"	23'-9" 25'-11" 24'-2" 23'-5" 24'-2" 23'-3" 24'-2" 24'-1" 24'-2" 28'-2" 24'-2" 25'-5"	20'-1" 24'-3" 20'-1" 22'-4" 20'-1" 22'-2" 20'-1" 23'-0" 20'-1" 25'-9" 20'-1" 24'-2"	16'-1" 21'-8" 16'-1" 21'-3" 16'-1" 21'-0" 16'-1" 21'-10" 16'-1" 23'-0" 16'-1" 22'-11"	27'-3" 28'-9" 30'-3" 26'-6" 28'-0" 26'-11" 28'-6" 27'-8" 29'-4" 31'-1" 32'-3" 28'-8"	24'-2" 26'-6" 24'-2" 24'-8" 24'-2" 24'-11" 24'-2" 25'-9" 24'-2" 28'-3" 24'-2" 26'-8"	24'-3" 20'-1" 23'-7" 20'-1" 23'-9" 20'-1" 24'-7" 20'-1" 25'-9" 20'-1" 25'-6"	21'-8" 16'-1" 21'-8" 16'-1" 22'-4" 16'-1" 23'-0" 16'-1" 23'-0" 16'-1" 23'-0"	
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Notes for Floor Span Tables:

IB EWP Inc.

- (a) Allowable spans are applicable to floor construction. For ultimate limit states a load factor of 1.5 is applied to the live load and a load factor of 1.25 applied to the dead load. The serviceability limit states include the 1997 CCMC concluding report vibration criteria, including use of 1.2 composite stiffness factor for multiple span conditions. The live and total load deflection limits are indicated at the top of the table. The design is to CSA 086-19 and the 2020 NBCC.
- (b) Spans are based on partial composite action with glued and nailed OSB subfloor conforming to CSA O325. The span ratings are as follows: 1F20 (19/32" thick), 1F24 (23/32" thick) and 1F32 (7/8" thick).
- (c) Minimum bearing length shall be 1-3/4" for end bearing when I-joists are used with the 40L span tables, and minimum 3 1/2" length with 50L and 100L tables. Use 3-1/2" for all interior bearings. Maximum design spans in the table are measured from the inside face of bearings for simple spans and from inside face of end bearing to centre of interior bearing for continuous spans.
- (d) Bearing stiffeners are not required when I-joists are used with the spans given in the 40L tables, except as required by hanger manufacturers. Bearing stiffeners are required at all bearings when I-joists are used with the 50L and 100L span tables.
- (e) This table is based on uniform loads. For applications other than uniformly distributed loads, or other applications beyond the scope of the indicated design criteria, an engineering analysis may be required based on the use of the design properties given in CCMC 14146-R and APA PR-L330(C) evaluation reports. For technical support, contact IB EWP Inc. or your local IB EWP Inc. distributor.
- (f) Continuous spans given in the table above are the longest spans between bearings for a joist with three bearings. The ratio of the shorter span to the longer span must be greater than 40%. For two spans with a ratio of between 40% and 80%, provide metal hangers or equivalent to withstand an uplift force at the end of the shorter span. Calculate factored uplift (pounds) at the end of the shorter span with the longer span (only) loaded with live load. For all other applications, consult IB EWP Inc.

Legend: Assembly "A" = Indicated subfloor with no additional components added.

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

Assembly "C" = Assembly "B" plus one row of I-joist blocking at mid-span.

Assembly "D" = Assembly "A" plus one row of I-joist blocking at mid-span.



JAN 5, 2022