

DESIGN CRITERIA		TC LL:	40 PSF
This truss is designed for floor requirements of Part 4, NBCC 2010/2015. This design complies with: CSA 086-09 /14 TPIC 2011/2014 CCMC: 12691-R Subfloor: Min. 5/8" plywood, glued & nailed, no ceiling		TC DL:	10 PSF
		BC LL:	0 PSF
		BC DL:	5 PSF
		Total:	55 PSF
		LL Defl. Bare Joist:	L/360
LL Defl. System:	L/480		
TL Defl. Fact.:	L/240		

PS-10V2	SIZE ▶	3x2 SPF				4x2 SPF			
	GRADE ▼	12" o.c.	16" o.c.	19.2 o.c.	24" o.c.	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
Height	SPF no. 2	16'-2"	14'-4"	12'-11"	11'-6"	17'-11"	16'-4"	15'-3"	13'-8"
9 1/4"	SPF MSR 1650f-1.5E	16'-7"	15'-1"	14'-3"	13'-0"	18'-5"	16'-9"	15'-8"	14'-7"
	SPF MSR 2100f-1.8E	17'-6"	16'-0"	15'-0"	13'-11"	19'-1"	17'-2"	16'-7"	15'-5"
	SPF MSR 2400f-20.E	18'-1"	16'-6"	15'-6"	14'-5"	19'-1"	18'-3"	17'-2"	16'-0"

PS-12	SIZE ▶	3x2 SPF				4x2 SPF			
	GRADE ▼	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
Height	SPF no. 2	18'-8"	16'-0"	14'-9"	12'-11"	21'-0"	18'-9"	17'-5"	15'-6"
11 1/4"	SPF MSR 1650f-1.5E	19'-5"	17'-8"	16'-8"	14'-11"	21'-7"	19'-8"	18'-6"	17'-2"
	SPF MSR 2100f-1.8E	20'-7"	18'-9"	17'-8"	16'-3"	22'-10"	20'-9"	19'-6"	17'-10"
	SPF MSR 2400f-20.E	21'-3"	19'-4"	18'-3"	16'-11"	23'-1"	21'-6"	20'-2"	18'-0"

PS-12i	SIZE ▶	3x2 SPF				4x2 SPF			
	GRADE ▼	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
Height	SPF no. 2	19'-3"	16'-6"	15'-3"	13'-5"	22'-0"	19'-9"	17'-11"	15'-11"
11 7/8"	SPF MSR 1650f-1.5E	20'-4"	18'-6"	17'-4"	15'-6"	22'-7"	20'-6"	19'-3"	17'-6"
	SPF MSR 2100f-1.8E	21'-6"	19'-7"	18'-5"	16'-11"	23'-11"	21'-9"	20'-5"	17'-6"
	SPF MSR 2400f-20.E	22'-3"	20'-2"	19'-0"	17'-6"	24'-4"	22'-5"	21'-1"	17'-6"

PS-13	SIZE ▶	3x2 SPF				4x2 SPF			
	GRADE ▼	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
Height	SPF no. 2	20'-1"	16'-8"	15'-10"	14'-0"	23'-5"	20'-7"	18'-7"	16'-9"
12 3/4"	SPF MSR 1650f-1.5E	21'-4"	19'-5"	18'-4"	16'-7"	23'-10"	21'-8"	20'-4"	18'-10"
	SPF MSR 2100f-1.8E	22'-8"	20'-8"	19'-5"	17'-10"	25'-3"	22'-11"	21'-6"	19'-2"
	SPF MSR 2400f-20.E	23'-5"	21'-3"	20'-1"	18'-0"	26'-1"	23'-8"	22'-2"	19'-2"

PS-14V3	SIZE ▶	3x2 SPF				4x2 SPF			
	GRADE ▼	12" o.c.	16" o.c.	19.2 o.c.	24" o.c.	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
Height	SPF no. 2	21'-2"	17'-7"	16'-8"	14'-9"	24'-3"	21'-6"	19'-8"	17'-8"
14"	SPF MSR 1650f-1.5E	22'-3"	20'-4"	19'-1"	17'-3"	24'-10"	22'-6"	21'-2"	18'-11"
	SPF MSR 2100f-1.8E	23'-9"	21'-6"	20'-3"	18'-7"	26'-4"	23'-10"	22'-5"	18'-11"
	SPF MSR 2400f-20.E	24'-6"	22'-3"	20'-10"	18'-9"	27'-2"	24'-8"	23'-0"	18'-11"

PS-16V3	SIZE ▶	3x2 SPF				4x2 SPF			
	GRADE ▼	12" o.c.	16" o.c.	19.2 o.c.	24" o.c.	12" o.c.	16" o.c.	19.2" o.c.	24" o.c.
Height	SPF no. 2	22'-2"	19'-8"	17'-5"	16'-0"	26'-9"	22'-10"	21'-5"	18'-8"
16"	SPF MSR 1650f-1.5E	24'-9"	22'-3"	20'-5"	18'-6"	27'-1"	25'-0"	23'-1"	18'-11"
	SPF MSR 2100f-1.8E	26'-3"	23'-10"	22'-5"	18'-10"	29'-2"	26'-5"	23'-1"	18'-11"
	SPF MSR 2400f-20.E	27'-1"	24'-8"	23'-1"	18'-10"	30'-2"	27'-2"	23'-1"	18'-11"

GENERAL NOTES

- Above spans are in feet and inches.
- Some spans require specific webbing configurations (such as double webbing). These tables cannot be used on their own for fabrication of the posi-floor system. Tables shall only be used in conjunction with MiTek Truss Engineering drawings.
- Minimum bearing size = 1.5 in.
- Provide restraint at supports to ensure lateral stability. Joist requires continuous lateral restraint at top and bottom edges.
- Vibration has been checked using SPF No.2 strongbacks. See MiTek truss engineering drawings for strongback quantities and locations. Consult with the MiTek Engineering Team for alternate strongback configurations.
- Subfloor must possess the span rating for the anticipated spacing of joists. (Minimum 5/8" thickness).
- The POSI-STRUT is designed to support only the vertical uniform loads as noted. Verification of loading, deflection limits, framing methods, or other lateral bracing that is required is the responsibility of the project architect or engineer.
- Design assumes dry lumber at time of fabrication (Moisture content <19%)
- Verify dimensions before fabrication.

STRESS INCREASES:

DOL Lumber = 1.0
Nail = 1.0 Bending = 1.1
Compression = 1.1 Shear = 1.1
Tension = 1.1

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