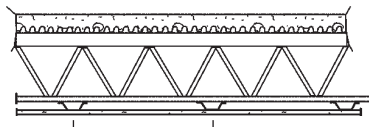
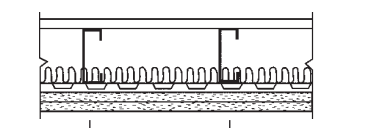
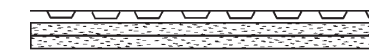
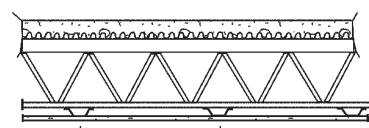
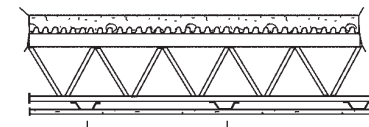


STEEL JOIST FLOORS & CEILINGS

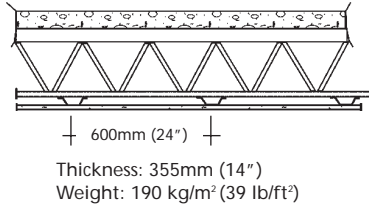
SOUND TRANSMISSION CLASS (STC)	CONSTRUCTION	DESCRIPTION	DESIGN NUMBER/ TEST REPORTS
FIRE RESISTANCE RATING: 1h			
53	 <p style="text-align: center;">+ 600mm (24") +</p> <p style="text-align: center;">Thickness: 395mm (15 1/2") Weight: 156 kg/m² (32 lb/ft²)</p>	<p>System WFS1B 51mm (2"), 19 MPa (2800 psi) concrete floor. 15.9mm (5/8") ProRoc Type X, 1 layer on steel furring channels.</p> <p>Fasten boards perpendicular to furring channels with 25mm (1") screws spaced 300mm (12") o.c. Locate screws 10mm (3/8") minimum from edges and ends of board. Joints must be offset. Tape and finish joints with ProRoc products.</p>	<p>FIRE: ULC I509 SOUND: Estimated</p>
54	 <p style="text-align: center;">+ 600mm (24") +</p> <p style="text-align: center;">Thickness: 257mm (10 1/8") Weight: 68 kg/m² (14 lb/ft²)</p>	<p>System WFS154 12.7mm (1/2") ProRoc Type C or 15.9mm (5/8") ProRoc Type X, 2 layers. Cold formed steel joists, resilient channels and 150mm(6") glass fibre or mineral wool insulation. Subfloor-plywood, OSB or waferboard.</p> <p>Fasten base layer perpendicular to resilient channels with 32mm (1 1/4") screws spaced 300mm (12") o.c. Fasten face layer perpendicular to resilient channels with 41mm (1 5/8") screws spaced 300mm (12") o.c. Locate face layer end joints at double resilient channels. Locate screws minimum of 38mm (1 1/2") from edges of board. Joints must be offset. Tape and finish joints with ProRoc products.</p>	<p>FIRE: NRC 98-764/ NBCC Table A-9.10.3.1B Floor F45 SOUND: NRC-IR-766</p>
N/A	<p>Gypsum boards applied to underside of steel supports maximum spacing 600mm (24") o.c.</p>  <p style="text-align: center;">Thickness: Varies Weight: 22 kg/m² (4.6 lb/ft²) plus framing</p>	<p>System WFS1XX Fire rating provided by membrane only. 15.9mm (5/8") ProRoc Type X, 2 layers, steel structural member, maximum spacing 600mm (24") o.c.</p> <p>Fasten base layer perpendicular to supports with 25mm (1") screws spaced 300mm (12") o.c. Fasten face layer perpendicular to supports with 41mm (1 5/8") screws spaced 300mm (12") o.c. Joints must be offset. Tape and finish joints with ProRoc products.</p>	<p>FIRE: NBCC (1995) Appendix D Table D.2.3.12 SOUND: -</p>
FIRE RESISTANCE RATING: 1-1/2 h			
53	 <p style="text-align: center;">+ 600mm (24") +</p> <p style="text-align: center;">Thickness: 390mm (15 3/8") Weight: 166 kg/m² (34 lb/ft²)</p>	<p>System WFS1C 51mm (2"), 21 MPa (3100 psi) concrete floor. 12.7mm (1/2") ProRoc Type C, 1 layer on steel furring channels.</p> <p>Fasten boards perpendicular to furring channels with 25mm (1") screws spaced 200mm (8") o.c. along end joints and 300mm (12") o.c. in the field. Locate screws 15mm (5/8") minimum from edges and ends of board. Joints must be offset. Tape and finish joints with ProRoc products.</p>	<p>FIRE: ULC I510 SOUND: Estimated</p>
FIRE RESISTANCE RATING: 2h			
54	 <p style="text-align: center;">+ 600mm (24") +</p> <p style="text-align: center;">Thickness: 355mm (14") Weight: 190 kg/m² (39 lb/ft²)</p>	<p>System WFS2B 64mm (2 1/2"), 28 MPa (4000 psi) concrete floor. 12.7mm (1/2") ProRoc Type C, 1 layer on steel furring channels.</p> <p>Fasten boards perpendicular to furring channels with 25mm (1") screws spaced 200mm (8") o.c. along end joints and 300mm (12") o.c. in the field. Locate screws 38mm (1 1/2") minimum from edges and ends of board. Joints must be offset. Tape and finish joints with ProRoc products.</p>	<p>FIRE: ULC I511 SOUND: Estimated</p>

STEEL JOIST FLOORS & CEILINGS

SOUND TRANSMISSION CLASS (STC)	CONSTRUCTION	DESCRIPTION	DESIGN NUMBER/TEST REPORTS
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FIRE RESISTANCE RATING: 2 h (continued)

54



System WFS2E

64mm (2½"), 24 MPa (3500 psi) concrete floor. 12.7mm (½") ProRoc Type C, 1 layer on steel furring channels.

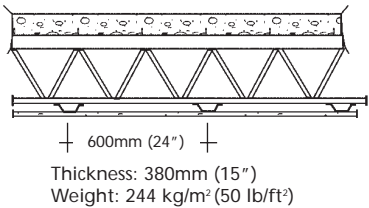
Fasten boards perpendicular to furring channels with 25mm (1") screws spaced 300mm (12") o.c. Locate screws 19mm (¾") minimum from edges and 50mm (2") from ends of board. Butt joints may be protected by 75mm (3") wide by 12.7mm (½") thick gypsum board back blocking. Joints must be offset. Tape and finish joints with ProRoc products.

FIRE: ULC I506

SOUND: Estimated

FIRE RESISTANCE RATING: 3 h

57



System WFS3A

89mm (3½"), 24 MPa (3500 psi) concrete floor. 12.7mm (½") ProRoc Type C, 1 layer on steel furring channels.

Fasten boards perpendicular to furring channels with 25mm (1") screws spaced 300mm (12") o.c. Locate screws 19mm (¾") minimum from edges and 50mm (2") from ends of board. Butt joints may be protected by 75mm (3") wide by 12.7mm (½") thick gypsum board back blocking. Joints must be offset. Tape and finish joints with ProRoc products.

FIRE: ULC I506

SOUND: Estimated