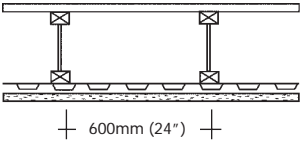
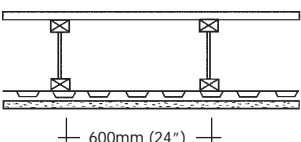


WOOD JOIST FLOORS & CEILINGS

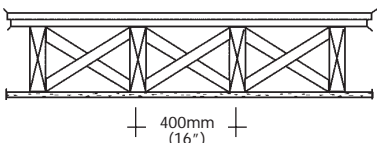
SOUND TRANSMISSION CLASS (STC)	CONSTRUCTION	DESCRIPTION	DESIGN NUMBER/TEST REPORTS
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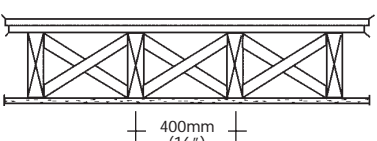
FIRE RESISTANCE RATING: 3/4h

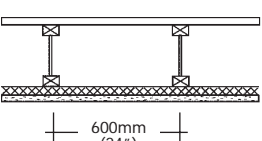
41	 <p style="text-align: center;">Thickness: 352mm (13 7/8") Weight: 60 kg/m² (12 lb/ft²)</p>	<p>System WFF041A 15.9mm (5/8") ProRoc Type X, 1 layer. 300mm (12") Jager wood I-joists and resilient channels. Subfloor 19mm (3/4") plywood.</p> <p>Fasten boards perpendicular to resilient channels with 32mm (1 1/4") screws spaced 300mm (12") o.c. Locate edge joints between joists. End joints staggered at least 600mm (24"). Locate screws 38mm (1 1/2") from edges and ends of board. Tape and finish joints with ProRoc products.</p>	<p>FIRE: ULC M506</p> <p>SOUND: Estimated</p>
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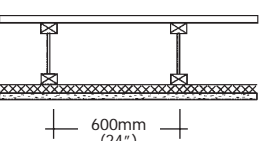
41	 <p style="text-align: center;">Thickness: 289mm (11 3/8") Weight: 60 kg/m² (12 lb/ft²)</p>	<p>System WFF041B 15.9mm (5/8") ProRoc Type X, 1 layer. 241mm (9 1/2") TJI® wood I-joists and resilient channels. Subfloor 19mm (3/4") OSB.</p> <p>Fasten boards perpendicular to resilient channels with 32mm (1 1/4") screws. Locate edge joints between joists. End joints staggered at least 600mm (24"). Locate 2 rows of screws 19mm (3/4") from edge and 15mm (5/8") from end joints. Tape and finish joints with ProRoc products.</p>	<p>FIRE: ITS TJ/FCA 45-01</p> <p>SOUND: Estimated</p>
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FIRE RESISTANCE RATING: 1h

34	 <p style="text-align: center;">Thickness: 276mm (10 7/8") Weight: 59 kg/m² (12 lb/ft²)</p>	<p>System WFF134 12.7mm (1/2") ProRoc Type C, 1 layer. 38mm x 235mm (2 x 10) wood joist. Subfloor 12mm (1/2") sheathing grade Douglas Fir plywood. Finished floor 15mm (5/8") T&G sheathing Douglas Fir plywood.</p> <p>Fasten boards perpendicular to joists with 44mm (1 3/4") nails spaced 150mm (6") o.c. Locate nails 19mm (3/4") from edge and 15mm (5/8") from end joints. Tape and finish joints with ProRoc products.</p>	<p>FIRE: ULC M502</p> <p>SOUND: Estimated</p>
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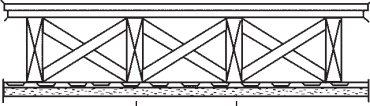
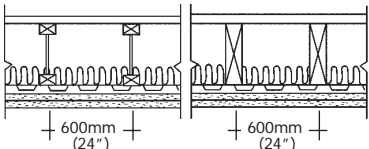

35	 <p style="text-align: center;">Thickness: 279mm (11") Weight: 64 kg/m² (13 lb/ft²)</p>	<p>System WFF135 15.9mm (5/8") ProRoc Type X, 1 layer. 38mm x 235mm (2 x 10) wood joist. Subfloor 12mm (1/2") sheathing grade Douglas Fir plywood. Finished floor 15mm (5/8") T&G sheathing Douglas Fir plywood.</p> <p>Fasten boards perpendicular to joists with 44mm (1 3/4") nails spaced 150mm (6") o.c. Locate nails 19mm (3/4") from edge and 15mm (5/8") from end joints. Tape and finish joints with ProRoc products.</p>	<p>FIRE: ULC M500</p> <p>SOUND: Estimated</p>
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41	 <p style="text-align: center;">Thickness: 292mm (11 1/2") Weight: 60 kg/m² (12 lb/ft²)</p>	<p>System WFF141A 15.9mm (5/8") ProRoc Type C, 1 layer. 240mm (9 1/2") Jager wood I-joists and hat channels. Subfloor 15.9mm (5/8") T&G waferboard or plywood.</p> <p>Fasten boards perpendicular to furring channels with 42mm (1 3/4") screws spaced 150mm (6") o.c. Locate edge joints between joists. End joints at double row of furring channel and staggered 1200mm (48"). Locate screws 38mm (1 1/2") from edges and ends of board. Tape and finish joints with ProRoc products.</p>	<p>FIRE: ULC M508</p> <p>SOUND: Estimated</p>
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41	 <p style="text-align: center;">Thickness: 292mm (11 1/2") Weight: 60 kg/m² (12 lb/ft²)</p>	<p>System WFF141B 15.9mm (5/8") ProRoc Type C, 1 layer. 241mm (9 1/2") TJI® wood I-joists with flanges minimum 2 1/2" wide by 1 1/2" deep and hat channels. Subfloor 15.9mm (5/8") OSB or plywood.</p> <p>Fasten boards perpendicular to furring channels with 32mm (1 1/4") screws spaced 150mm (6") o.c. Locate edge joints between joists. End joints at double row of furring channel and staggered 1200mm (48"). Locate screws 76mm (3") from edges and ends of board. Tape and finish joints with ProRoc products.</p>	<p>FIRE: ITS TJ/FCA 60-10</p> <p>SOUND: Estimated</p>
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34

WOOD JOIST FLOORS & CEILINGS

SOUND TRANSMISSION CLASS (STC)	CONSTRUCTION	DESCRIPTION	DESIGN NUMBER/TEST REPORTS
FIRE RESISTANCE RATING: 1h (continued)			
42	 <p data-bbox="228 537 456 579">Thickness: 289mm (11 3/8") Weight: 59 kg/m² (12 lb/ft²)</p>	<p data-bbox="594 390 789 415">System WFF142</p> <p data-bbox="594 422 1219 495">12.7mm (1/2") ProRoc Type C, 1 layer. 38mm x 235mm (2 x 10) wood joist and resilient channels. Subfloor 12mm (1/2") sheathing grade Douglas Fir plywood. Finished floor 15mm (5/8") T&G sheathing Douglas Fir plywood.</p> <p data-bbox="594 510 1268 638">Fasten boards perpendicular to resilient channels with 25mm (1") screws spaced 300mm (12") o.c. Locate edge joints between joists. Fasten board end joints to additional pieces of resilient channel extending 150mm (6") beyond end joints and attached to joists. Locate screws 15mm (5/8") from edges and ends of board. Tape and finish joints with ProRoc products.</p>	<p data-bbox="1328 396 1451 417">FIRE: ULC M501</p> <p data-bbox="1328 449 1471 470">SOUND: Estimated</p>
54	 <p data-bbox="233 842 464 886">Thickness: 289mm (11 3/8") Weight: 68 kg/m² (14 lb/ft²)</p>	<p data-bbox="594 688 789 714">System WFF154</p> <p data-bbox="594 720 1146 741">12.7mm (1/2") ProRoc Type C or 15.9mm (5/8") ProRoc Type X 2 layers.</p> <p data-bbox="594 747 1243 795">Wood joists or wood I-joists, resilient channels and insulation. Subfloor plywood, OSB or waferboard.</p> <p data-bbox="594 810 1268 963">Fasten base layer perpendicular to furring channels with 32mm (1 1/4") screws spaced 300mm (12") o.c. Locate edge joints between joists. End joints staggered 1200mm (48"). Fasten face layer perpendicular to furring channels with 41mm (1 1/2") screws spaced 300mm (12") o.c. Joints must be staggered. Locate end joints of face layer at double resilient channels. Locate screws 38mm (1 1/2") from edges of board. Tape and finish joints with ProRoc products.</p>	<p data-bbox="1328 688 1463 709">FIRE: NRC 98-764</p> <p data-bbox="1328 741 1500 762">SOUND: NRC 95-115a</p>
N/A	<p data-bbox="204 1014 529 1083">Gypsum boards applied to underside of wood supports maximum spacing 600mm (24") o.c.</p>  <p data-bbox="204 1163 565 1205">Thickness: varies Weight: 22 kg/m² (4.6 lb/ft²) plus framing</p>	<p data-bbox="594 1014 789 1039">System WFF1XX</p> <p data-bbox="594 1045 1219 1119">Fire rating provided by membrane only. 15.9mm (5/8") ProRoc Type X, 2 layers. Wood joists any type, resilient or furring channels (optional). Subfloor plywood, OSB or waferboard.</p> <p data-bbox="594 1134 1276 1266">Fasten base layer perpendicular to resilient channels with 25mm (1") screws spaced 300mm (12") o.c. Fasten face layer perpendicular to resilient channels with 41mm (1 1/2") screws spaced 300mm (12") o.c. If resilient channels are not used, attach board perpendicular to wood joists with 51mm (2") screws spaced 300mm (12") o.c. for both layers. Joints must be offset. Tape and finish joints with ProRoc products.</p>	<p data-bbox="1328 1020 1471 1094">FIRE: NBCC (1995) Appendix D Table D.2.3.12</p> <p data-bbox="1328 1121 1406 1142">SOUND: –</p>

WOOD JOIST FLOORS & CEILINGS

SOUND TRANSMISSION CLASS (STC)

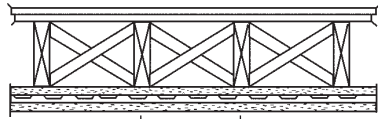
CONSTRUCTION

DESCRIPTION

DESIGN NUMBER/ TEST REPORTS

FIRE RESISTANCE RATING: 2h

35



400mm
(16")

Thickness: 308mm (12 1/8")
Weight: 78 kg/m² (16 lb/ft²)

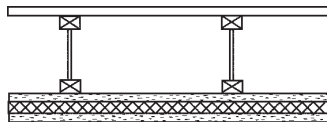
System WFF235

15.9mm (5/8") ProRoc Type C, 2 layers. 38mm x 235mm (2 x 10) wood joist and resilient channels. Subfloor 12mm (1/2") sheathing grade Douglas Fir plywood. Finished floor 15.9mm (5/8") T&G sheathing Douglas Fir plywood.

Fasten base layer perpendicular to joists with 63mm (2 1/2") 8d box nails spaced 175mm (7") o.c. Locate nails a minimum 15mm (5/8") from edges of boards. Attach resilient channels perpendicular to joists 600mm (24") o.c. with 64mm (2 1/2") 8d common nails. Provide a 102mm (4") overlap at splices and a minimum 19mm (3/4") wall clearance. Fasten face layer perpendicular to resilient channels with 25mm (1") screws spaced 300mm (12") o.c. Located edge joints between joists and fasten end joints of boards to additional pieces of resilient channel extending 150mm (6") beyond end joints and attached to joists. Locate screws a minimum 25mm (1") from edges of board. Tape and finish joints with ProRoc products.

FIRE: ULC M503
SOUND: Estimated

37



600mm (24")

Thickness: 305mm (12")
Weight: 68 kg/m² (14 lb/ft²)

System WFF237

15.9mm (5/8") ProRoc Type C, 2 layers. 240mm (9 1/2") Jager wood I-joists and hat channels. Subfloor 15.9mm (5/8") waferboard or plywood.

Fasten base layer perpendicular to joists with 42mm (1 5/8") screws spaced 150mm (6") o.c. Locate screws 38mm (1 1/2") from edges and ends of boards. Attach furring channels perpendicular to joists 400mm (16") o.c. with two 42mm (1 5/8") screws at each I-joist. Locate a continuous double row of furring channel 1200mm (48") o.c. Fasten face layer perpendicular to furring channels with 42mm (1 5/8") screws spaced 150mm (6") o.c. Locate edge joints between I-joists and end joints at double row of furring channel. Locate screws a minimum 38mm (1 1/2") from edges of board. End joints must be staggered 1200mm (48"). Tape and finish joints with ProRoc products.

FIRE: ULC M508
SOUND: Estimated

40



600mm (24")

Thickness: 321mm (12 5/8")
Weight: 78 kg/m² (16 lb/ft²)

System WFF240

15.9mm (5/8") ProRoc Type C, 3 layers. 241mm (9 1/2") TJI® wood I-joists and resilient channels. Subfloor 15.9mm (5/8") OSB plywood.

Fasten base layer perpendicular to joists with 41mm (1 5/8") screws spaced 200mm (8") o.c. Attach furring channels perpendicular to joists 400mm (16") o.c. with 48mm (1 7/8") screws at each I-joist. Fasten second layer perpendicular to furring channel with 32mm (1 1/4") screws spaced 200mm (8") o.c. and edges of board located between floor I-joists. Fasten face layer perpendicular to furring channels with 48mm (1 7/8") screws spaced 200mm (8") o.c. with joints offset. Locate screws 38mm (1 1/2") from edges and 19mm (3/4") from ends of boards. End joints must be staggered. Tape and finish joints with ProRoc products.

FIRE: ITS TJ/FCA 120-03
SOUND: Estimated