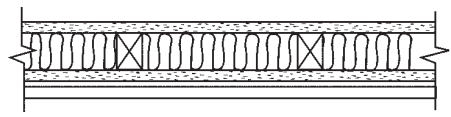
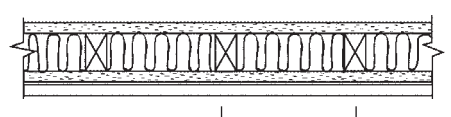
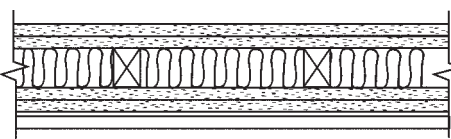
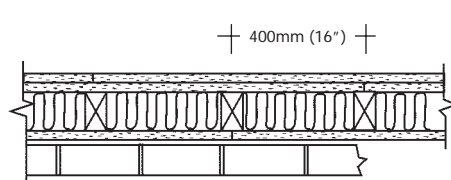


# EXTERIOR WALLS

## Load bearing

SOUND TRANSMISSION CLASS (STC)	CONSTRUCTION	DESCRIPTION	DESIGN NUMBER/TEST REPORTS
<b>FIRE RESISTANCE RATING: 1h</b>			
<b>36</b>	 <p style="text-align: center;">+ 400mm (16") +</p> <p>Thickness: 121mm (4 3/4") (plus cladding) Weight: 31 kg/m<sup>2</sup> (6.3 lb/ft<sup>2</sup>) (plus cladding)</p>	<p><b>WXE136</b></p> <p>Fasten 1 layer of 15.9mm (5/8") ProRoc Type X vertically to interior side of 38mm x 89mm (2 x 4) wood studs. Fasten 1 layer of 15.9mm (5/8") ProRoc Treated Core Sheathing Type X or GlasRoc Sheathing Type X vertically to exterior side. Glass fibre or mineral wool insulation 89mm (3 1/2") within cavity. 51mm (2") nails spaced 175mm (7") o.c. Joints must be offset. Tape and finish interior joints with ProRoc products. Exterior cladding system applied.</p>	<p>FIRE: ULC W301</p> <p>SOUND: NBCC (1995) Table A-9.10.3.1.A Wall W1a</p>
<b>37</b>	 <p style="text-align: center;">+ 400mm (16") +</p> <p>Thickness: 117mm (4 5/8") (plus cladding) Weight: 33 kg/m<sup>2</sup> (6.7 lb/ft<sup>2</sup>) (plus cladding)</p>	<p><b>WXE137</b></p> <p>Fasten 1 layer of 15.9mm (5/8") ProRoc Type X vertically or horizontally to interior side of 38mm x 89mm (2 x 4) wood studs with 38mm (1 1/2") drywall nails spaced 200mm (8") o.c. or 41mm (1 5/8") screws spaced 300mm (12") o.c. Fasten 1 layer of 12.7mm (1/2") ProRoc Treated Core Sheathing or GlasRoc Sheathing horizontally to exterior side with 44mm (1 3/4") roofing nails spaced 150mm (6") o.c. Mineral wool insulation 89mm (3 1/2") within cavity. Joints must be offset. Tape and finish interior joints with ProRoc products. Exterior cladding system applied.</p>	<p>FIRE: NBCC (1995) Table A-9.10.3.1.A Wall EW1a</p> <p>SOUND: Estimated</p>
<b>FIRE RESISTANCE RATING: 2h</b>			
<b>38</b>	 <p style="text-align: center;">+ 400mm (16") +</p> <p>Thickness: 152mm (6") (plus cladding) Weight: 54 kg/m<sup>2</sup> (11 lb/ft<sup>2</sup>) (plus cladding)</p>	<p><b>WXE238</b></p> <p>Fasten base layer of 15.9mm (5/8") ProRoc Type X vertically or horizontally to interior side of 38mm x 89mm (2 x 4) wood studs with 48mm (1 5/8") nails spaced 150mm (6") o.c. Fasten face layer of 15.9mm (5/8") ProRoc Type X vertically or horizontally with 60mm (2 3/8") nails spaced 200mm (8") o.c. Fasten base layer of 15.9mm (5/8") ProRoc Treated Core Sheathing Type X or GlasRoc Sheathing Type X vertically or horizontally to exterior side 48mm (1 5/8") nails spaced 150mm (6") o.c. Fasten face layer of 15.9mm (5/8") ProRoc Sheathing Type X or GlasRoc Sheathing Type X vertically or horizontally with 60mm (2 3/8") nails spaced 200mm (8") o.c. Glass fibre or mineral wool insulation 89mm (3 1/2") within cavity. Joints must be offset. Tape and finish interior joints with ProRoc products. Exterior cladding system applied.</p>	<p>FIRE: ULI U301</p> <p>SOUND: NBCC (1995) Table A-9.10.3.1.A Wall W2a</p>
<b>42</b>	 <p style="text-align: center;">+ 400mm (16") +</p> <p>Thickness: 255mm (10")</p>	<p><b>WXE242</b></p> <p>Fasten base layer of 15.9mm (5/8") ProRoc Type X vertically or horizontally to interior side of 38mm x 89mm (2 x 4) wood studs with 51mm (2") cement-coated nails spaced 200mm (8") o.c. Fasten face layer of 15.9mm (5/8") ProRoc Type X vertically or horizontally with 63mm (2 1/2") cement-coated nails spaced 200mm (8") o.c. Fasten 1 layer of 12.7mm (1/2") ProRoc Treated Core Sheathing or GlasRoc Sheathing horizontally to exterior side with 44mm (1 3/4") roofing nails spaced 150mm (6") o.c. Glass fibre or mineral wool insulation 89mm (3 1/2") within cavity. Joints must be offset. Tape and finish interior joints with ProRoc products. Exterior brick veneer system applied.</p>	<p>FIRE: ULC U302</p> <p>SOUND: Estimated</p>

\* Note: Any wall as listed in "Wood Stud Partitions" may also be used as an exterior wall, provided it is covered with a sheathing membrane and exterior cladding.