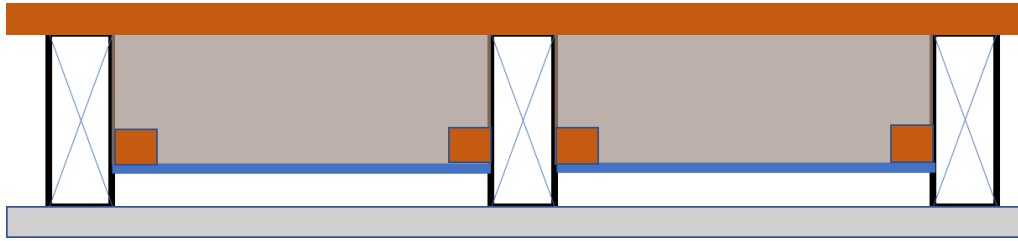


Name	3. WALL: 2" x 6" Stud Frame Wall w/ Batt Insulation & 0.75" Air Gap																														
Date	04-20-2021																														
Section Schematic	 <p>The schematic shows a cross-section of a wall assembly. It features a 2x6 stud frame with three vertical studs. The wall is composed of exterior sheathing, R-19 batt insulation, a layer of QUATTRO Ultra-Thin Reflective Insulation, a 0.75" air gap, and interior gypsum board. The air gap is created by a wood strip on the stud and a tab on the QUATTRO sheet.</p>																														
Layers/R-values	<table border="1" data-bbox="418 636 1409 1176"> <thead> <tr> <th data-bbox="418 636 862 751">Layer Name</th> <th data-bbox="862 636 1003 751">R-value of Assembly</th> <th data-bbox="1003 636 1157 751">R-value of Quattro Application</th> <th data-bbox="1157 636 1409 751">Notes</th> </tr> </thead> <tbody> <tr> <td data-bbox="418 751 862 800">Exterior Sheathing (1/2" Plywood)</td> <td data-bbox="862 751 1003 800">0.79</td> <td data-bbox="1003 751 1157 800"></td> <td data-bbox="1157 751 1409 800">(1)</td> </tr> <tr> <td data-bbox="418 800 862 884">R-19 Batt Insulation (4.75" thick)</td> <td data-bbox="862 800 1003 884">18</td> <td data-bbox="1003 800 1157 884"></td> <td data-bbox="1157 800 1409 884">(3)Adjusted for compression.</td> </tr> <tr> <td data-bbox="418 884 862 961">QUATTRO Ultra-Thin Reflective Insulation</td> <td data-bbox="862 884 1003 961">1.63</td> <td data-bbox="1003 884 1157 961">1.63</td> <td data-bbox="1157 884 1409 961"></td> </tr> <tr> <td data-bbox="418 961 862 1077">0.75" Air Gap</td> <td data-bbox="862 961 1003 1077">2.84</td> <td data-bbox="1003 961 1157 1077">2.84</td> <td data-bbox="1157 961 1409 1077">(2) 0.75 Air Space @ 50/30 Vert. Horiz. (2.91+2.77)/2</td> </tr> <tr> <td data-bbox="418 1077 862 1129">Interior Gypsum Board (5/8")</td> <td data-bbox="862 1077 1003 1129">0.56</td> <td data-bbox="1003 1077 1157 1129"></td> <td data-bbox="1157 1077 1409 1129">(1)</td> </tr> <tr> <td data-bbox="418 1129 862 1176"><b>Total</b></td> <td data-bbox="862 1129 1003 1176"><b>23.82</b></td> <td data-bbox="1003 1129 1157 1176"><b>4.47</b></td> <td data-bbox="1157 1129 1409 1176"></td> </tr> </tbody> </table>			Layer Name	R-value of Assembly	R-value of Quattro Application	Notes	Exterior Sheathing (1/2" Plywood)	0.79		(1)	R-19 Batt Insulation (4.75" thick)	18		(3)Adjusted for compression.	QUATTRO Ultra-Thin Reflective Insulation	1.63	1.63		0.75" Air Gap	2.84	2.84	(2) 0.75 Air Space @ 50/30 Vert. Horiz. (2.91+2.77)/2	Interior Gypsum Board (5/8")	0.56		(1)	<b>Total</b>	<b>23.82</b>	<b>4.47</b>	
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Notes/Reference	<ul data-bbox="467 1329 1425 1749" style="list-style-type: none"> <li>• Install fiberglass insulation, following local codes and manufacturer's instructions.</li> <li>• Fasten wood strip to the side of the stud 0.75" inside the cavity.</li> <li>• Place one corner edge of QUATTRO in upper corner of the stud cavity. Staple to the wood strip, creating a 0.75" tab on the sheet and compressing into the insulation. The edge of the QUATTRO sheet should be flush with the forward corner of the stud. This should create a continuous 0.75" air gap between the sheet and the interior sheathing. Continue stapling down the side of the stud every 2-3".</li> <li>• Repeat steps on opposite side of stud.</li> <li>• Proceed to install interior panel.</li> </ul>																														