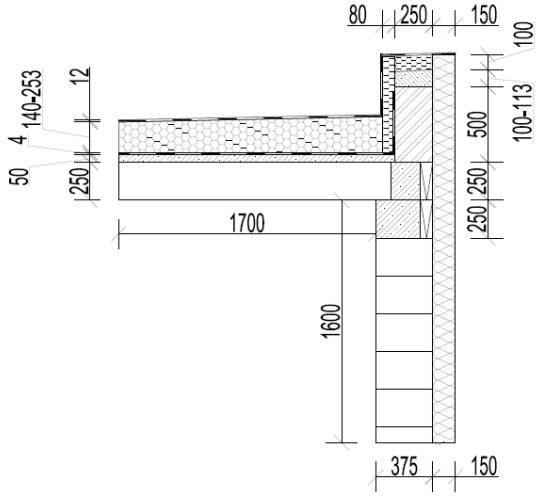
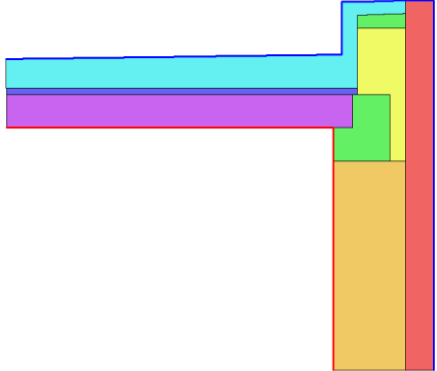
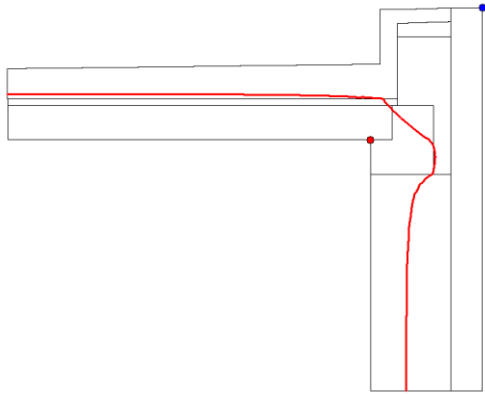



Detail D1 – Styk podlaha-obvodová nosná zeď																							
Posuzovaný detail 	Model 																						
Okrajové podmínky výpočtu: $\Theta_i = 24^\circ\text{C}$ $\varphi_i = 60\%$ $R_{si} = 0,25 \text{ m}^2 \cdot \text{K/W}$ $\Theta_e = -15^\circ\text{C}$ $\varphi_e = 84\%$ $R_{se} = 0,04 \text{ m}^2 \cdot \text{K/W}$ $\Theta_z = 5^\circ\text{C}$ $\varphi_z = 100\%$	Legenda k označení materiálů: <table border="0"> <tr> <td>■ L = 2,300/2,300 W/mK</td> <td>Mi = 2,0/2,0</td> </tr> <tr> <td>■ L = 1,430/1,430 W/mK</td> <td>Mi = 23,0/23,0</td> </tr> <tr> <td>■ L = 0,210/0,210 W/mK</td> <td>Mi = 14480,0</td> </tr> <tr> <td>■ L = 0,038/0,038 W/mK</td> <td>Mi = 50,0/50,0</td> </tr> <tr> <td>■ L = 1,200/1,200 W/mK</td> <td>Mi = 20,0/20,0</td> </tr> <tr> <td>■ L = 1,010/1,010 W/mK</td> <td>Mi = 200,0</td> </tr> <tr> <td>■ L = 1,230/1,230 W/mK</td> <td>Mi = 17,0/17,0</td> </tr> <tr> <td>■ L = 1,300/1,300 W/mK</td> <td>Mi = 20,0/20,0</td> </tr> <tr> <td>■ L = 0,172/0,172 W/mK</td> <td>Mi = 7,0/7,0</td> </tr> <tr> <td>■ L = 0,045/0,045 W/mK</td> <td>Mi = 2,0/2,0</td> </tr> <tr> <td>■ L = 0,034/0,034 W/mK</td> <td>Mi = 100,0</td> </tr> </table>	■ L = 2,300/2,300 W/mK	Mi = 2,0/2,0	■ L = 1,430/1,430 W/mK	Mi = 23,0/23,0	■ L = 0,210/0,210 W/mK	Mi = 14480,0	■ L = 0,038/0,038 W/mK	Mi = 50,0/50,0	■ L = 1,200/1,200 W/mK	Mi = 20,0/20,0	■ L = 1,010/1,010 W/mK	Mi = 200,0	■ L = 1,230/1,230 W/mK	Mi = 17,0/17,0	■ L = 1,300/1,300 W/mK	Mi = 20,0/20,0	■ L = 0,172/0,172 W/mK	Mi = 7,0/7,0	■ L = 0,045/0,045 W/mK	Mi = 2,0/2,0	■ L = 0,034/0,034 W/mK	Mi = 100,0
■ L = 2,300/2,300 W/mK	Mi = 2,0/2,0																						
■ L = 1,430/1,430 W/mK	Mi = 23,0/23,0																						
■ L = 0,210/0,210 W/mK	Mi = 14480,0																						
■ L = 0,038/0,038 W/mK	Mi = 50,0/50,0																						
■ L = 1,200/1,200 W/mK	Mi = 20,0/20,0																						
■ L = 1,010/1,010 W/mK	Mi = 200,0																						
■ L = 1,230/1,230 W/mK	Mi = 17,0/17,0																						
■ L = 1,300/1,300 W/mK	Mi = 20,0/20,0																						
■ L = 0,172/0,172 W/mK	Mi = 7,0/7,0																						
■ L = 0,045/0,045 W/mK	Mi = 2,0/2,0																						
■ L = 0,034/0,034 W/mK	Mi = 100,0																						
Zobrazení kritické izotermie 	Zobrazení pole teplot 																						
Izotermie: — 19,29 C <i>*teplota pro vznik kondenzace na vnitřním povrchu</i>	Teplotní pole [C]: <table border="0"> <tr><td>■</td><td>-15,0 ... -11,2</td></tr> <tr><td>■</td><td>-11,2 ... -7,4</td></tr> <tr><td>■</td><td>-7,4 ... -3,7</td></tr> <tr><td>■</td><td>-3,7 ... 0,1</td></tr> <tr><td>■</td><td>0,1 ... 3,9</td></tr> <tr><td>■</td><td>3,9 ... 7,7</td></tr> <tr><td>■</td><td>7,7 ... 11,4</td></tr> <tr><td>■</td><td>11,4 ... 15,2</td></tr> <tr><td>■</td><td>15,2 ... 19,0</td></tr> <tr><td>■</td><td>19,0 ... 22,8</td></tr> </table> ● T _{si} =19,99 C; f _{Rsi} =0,897 ● T _{si} =-14,98 C; f _{Rsi} =... ● T _{si} =5,00 C; f _{Rsi} =1,000	■	-15,0 ... -11,2	■	-11,2 ... -7,4	■	-7,4 ... -3,7	■	-3,7 ... 0,1	■	0,1 ... 3,9	■	3,9 ... 7,7	■	7,7 ... 11,4	■	11,4 ... 15,2	■	15,2 ... 19,0	■	19,0 ... 22,8		
■	-15,0 ... -11,2																						
■	-11,2 ... -7,4																						
■	-7,4 ... -3,7																						
■	-3,7 ... 0,1																						
■	0,1 ... 3,9																						
■	3,9 ... 7,7																						
■	7,7 ... 11,4																						
■	11,4 ... 15,2																						
■	15,2 ... 19,0																						
■	19,0 ... 22,8																						
Výpočet: f _{Rsi} = 0,897	Požadavek: f _{Rsi,N} = 0,879																						

Detail D2 – Styk podlaha na terénu-obvodová nosná zeď	
Posuzovaný detail	Model
	
Okrajové podmínky výpočtu: $\Theta_i = 20^\circ\text{C}$ $\varphi_i = 50\%$ $R_{si} = 0,25 \text{ m}^2 \cdot \text{K/W}$ $\Theta_e = -15^\circ\text{C}$ $\varphi_e = 84\%$ $R_{se} = 0,04 \text{ m}^2 \cdot \text{K/W}$	Legenda k označení materiálů: <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <p>■ L = 0,045/0,045 W/mK</p> <p>■ L = 0,172/0,172 W/mK</p> <p>■ L = 0,290/0,290 W/mK</p> <p>■ L = 1,430/1,430 W/mK</p> <p>■ L = 0,038/0,038 W/mK</p> <p>■ L = 1,230/1,230 W/mK</p> <p>■ L = 1,200/1,200 W/mK</p> </div> <div style="width: 50%;"> <p>Mi = 2,0/2,0</p> <p>Mi = 7,0/7,0</p> <p>Mi = 5,0/5,0</p> <p>Mi = 23,0/23,0</p> <p>Mi = 50,0/50,0</p> <p>Mi = 17,0/17,0</p> <p>Mi = 23,0/23,0</p> </div> </div>
Zobrazení kritické izotermy	Zobrazení pole teplot
	
<p>----- Izotermy: -----</p> <p>— 12,62 C</p> <p><i>*teplota pro vznik kondenzace na vnitřním povrchu</i></p>	<p>Teplotní pole [C]:</p> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 20px; background: linear-gradient(to bottom, red, orange, yellow, green, blue, purple);"></div> <div style="margin-left: 5px;"> <p>-15,0 ... -11,6</p> <p>-11,6 ... -8,3</p> <p>-8,3 ... -4,9</p> <p>-4,9 ... -1,6</p> <p>-1,6 ... 1,8</p> <p>1,8 ... 5,2</p> <p>5,2 ... 8,5</p> <p>8,5 ... 11,9</p> <p>11,9 ... 15,3</p> <p>15,3 ... 18,6</p> </div> </div> <p>● T_{si}=15,44 C; f_{Rsi}=0,870</p> <p>● T_{si}=-15,00 C; f_{Rsi}=1,000</p>
Výpočet: f _{Rsi} = 0,870	Požadavek: f _{Rsi,N} = 0,789