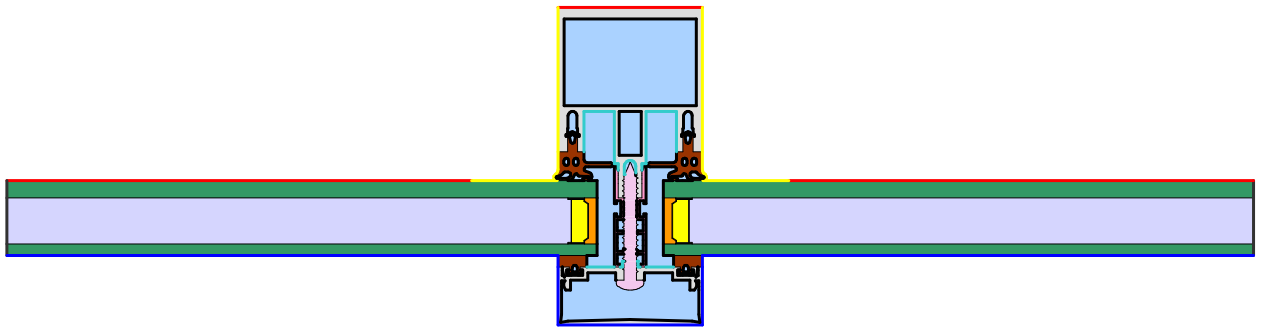
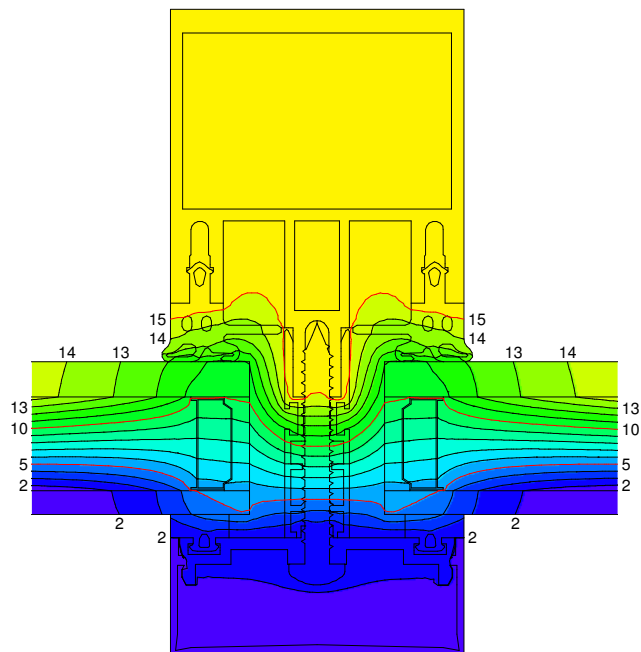
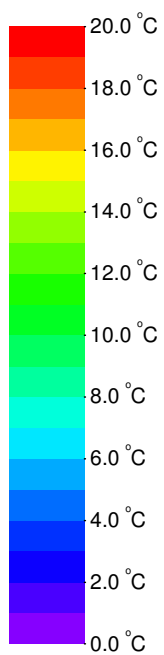
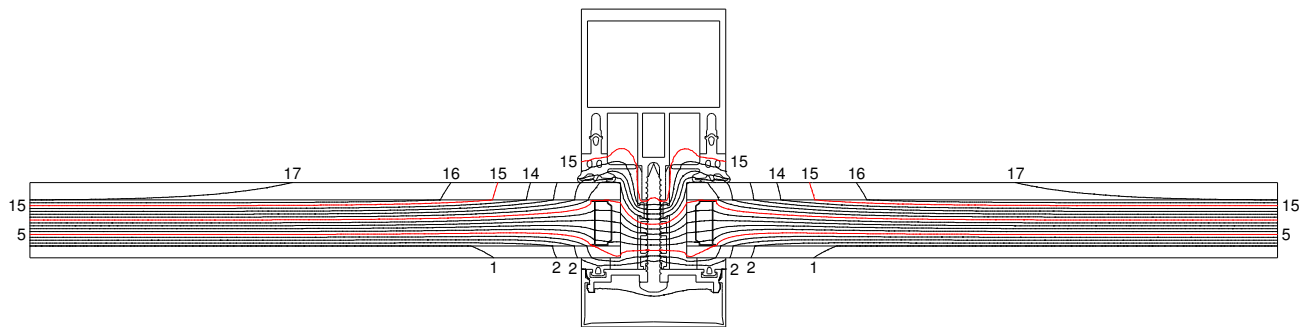


Input

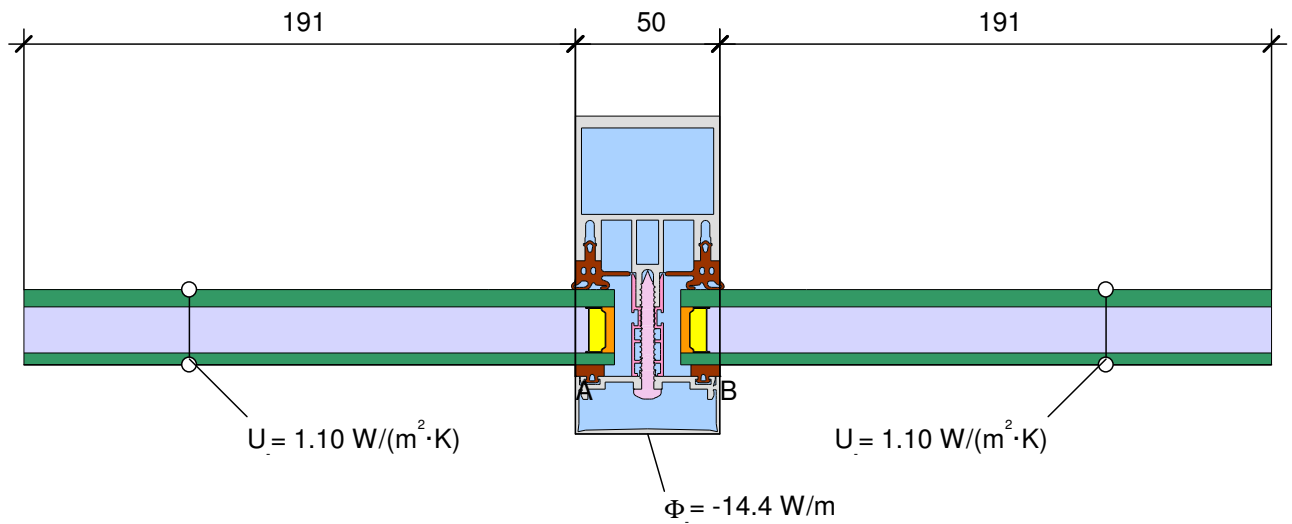


Material	λ [W/(m·K)]	ϵ	Boundary Condition	q [W/m ²]	θ [°C]	R [(m ² ·K)/W]	ϵ
ABS	0.200	0.900	Epsilon 0,1				0.100
Aluminium	160.000	0.100	Epsilon 0,9				0.900
Aluminium	160.000	0.900	exterior frame	0.000		0.040	
Butyl (isobutene), solid / hot melt	0.240		interior frame, reduced	20.000		0.200	
EPDM	0.250	0.900	interior frame, standard	20.000		0.130	
Gasfilling 1(3)	0.022		symmetry/Model section	0.000			
Gasfilling 2(3)	0.022						
Polysulfid	0.400	0.900					
Silica gel (desiccant) (1)	0.130						
Unventilated air cavity	anisotropic						
soda lime	1.000	0.900					
stainless steel	17.000						
stainless steel, 3D äquivalent S1 5-300	0.276	0.900					

Temperatures



U Joint



$$U_{TJ,B,A} = \frac{\frac{\Phi}{\Delta T} - U_{g1} \cdot b_{g1} - U_{g2} \cdot b_{g2}}{b_f} = \frac{\frac{14.351}{20.000} - 1.100 \cdot 0.191 - 1.100 \cdot 0.191}{0.050} = 5.947 \text{ W}/(\text{m}^2 \cdot \text{K})$$