

U_{1D} Wall	0,128	W/m²K
U_{2D} Window	0,779	W/m²K
U_{2D}	0,267	W/m²K

Length S1	1,618	m
Length S2	0,400	m
Total length	2,018	m

L_{1D}	0,519	W/mK
L_{2D}	0,539	W/mK

Ψ_e	0,021	W/mK
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projected X
projected X

PHI				
Boundary Conditions	R_s	θ	R_s	θ
—	0,13	20,00	0,25	20,00
—	0,13	20,00	0,20	20,00
—	0,04	-10,00	0,04	-10,00
Psi-value			fR_{si}	

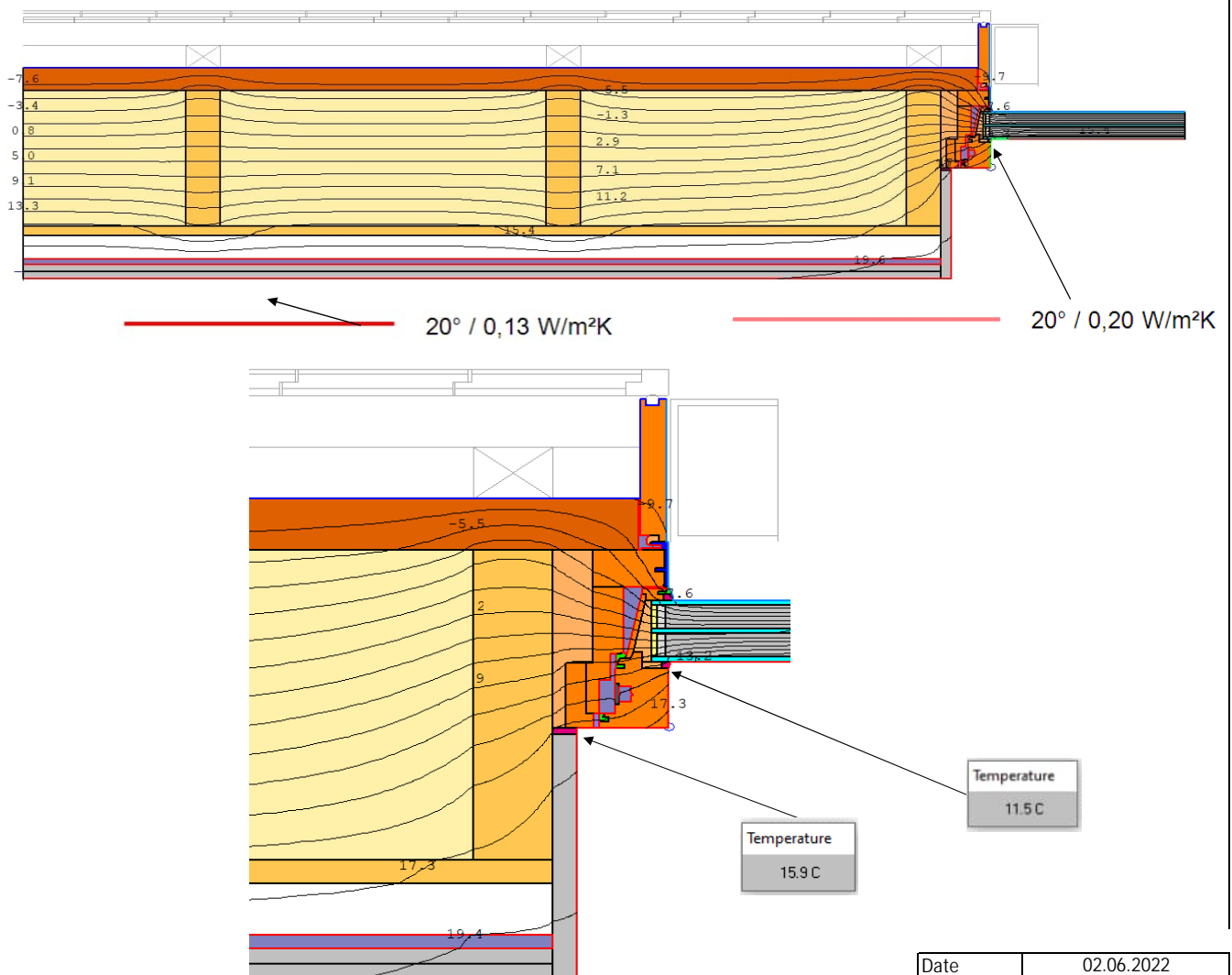
lowest interior temperature:

f_{RSi} at 20 °C / -10 °C

11,5°C


0,72 > 0,7 requirement fulfilled

Isotherms:



Date	02.06.2022
Signature	<i>F. Kuhn</i>

F. [Signature]

Date	02.06.2022
Signature	

smartwin solar im Tafelbau oben mit Rafflamelle

U_{1D} Wall	0,112	W/m ² K
U_{2D} Window	0,778	W/m ² K
U_{2D}	0,266	W/m ² K




Length S1	1,618	m
Length S2	0,400	m
Total length	2,018	m

L_{1D}	0,492	W/mK
L_{2D}	0,537	W/mK

Ψ_e	0,045	W/mK
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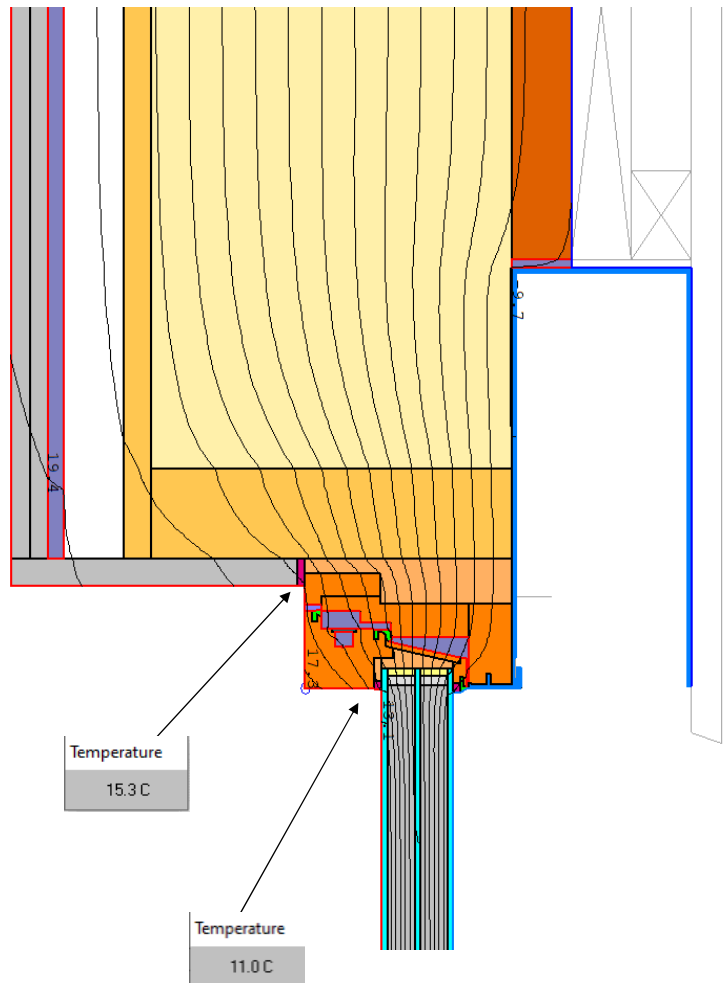
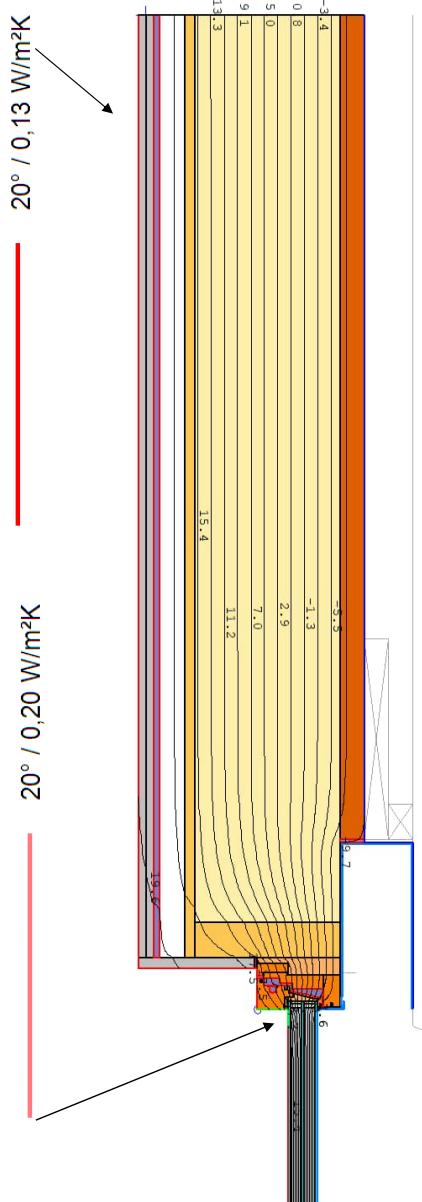
lowest interior temperature:
 f_{RSI} at 20 °C / -10 °C


projected X
projected X

PHI				
Boundary Conditions	R_s	θ	R_s	θ
	0,13	20,00	0,25	20,00
	0,13	20,00	0,20	20,00
	0,04	-10,00	0,04	-10,00
	Psi-value		f_{RSI}	

11,0°C
0,70 > 0,7 requirement fulfilled

Isotherms:



Date	02.06.2022
Signature	

smartwin solar im Tafelbau unten

U_{1D} Wall	0,111	W/m ² K
U_{2D} Window	0,789	W/m ² K
U_{2D}	0,263	W/m ² K

Length S1	1,618	m
Length S2	0,400	m
Total length	2,018	m

L_{1D}	0,495	W/mK
L_{2D}	0,530	W/mK

Ψ_e	0,035	W/mK
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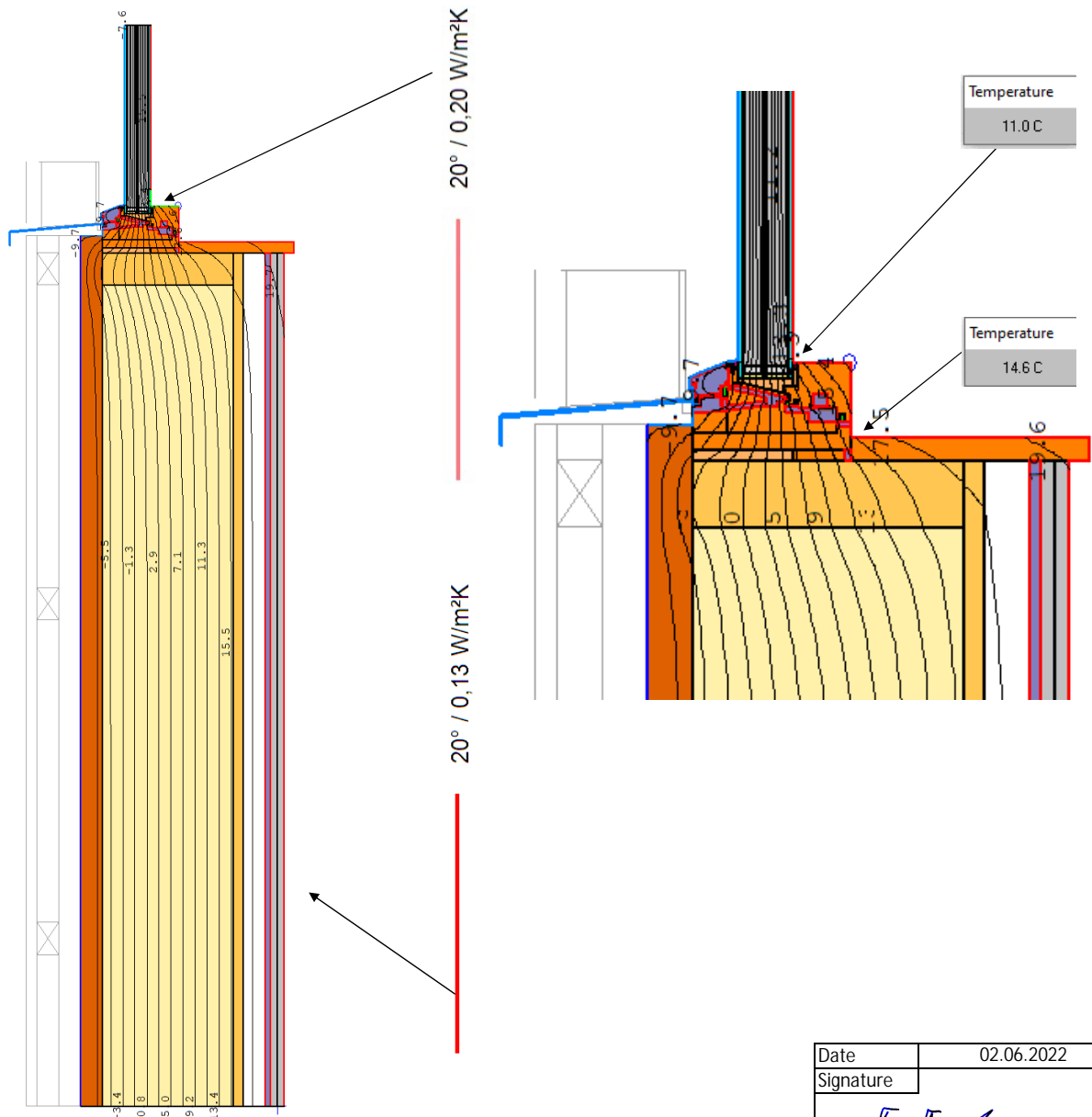
projected X
projected X

PHI				
Boundary Conditions	R_s	θ	R_s	θ
—	0,13	20,00	0,25	20,00
—	0,13	20,00	0,20	20,00
—	0,04	-10,00	0,04	-10,00
Psi-value			fR_{Si}	

lowest interior temperature:
 f_{Rsi} at 20 °C / -10 °C

11,0°C
0,70 > 0,7 requirement fulfilled

Isotherms:



Date	02.06.2022
Signature	F. Fuchs

smartwin solar im Tafelbau unten

Balkontüre barrierefrei




U_{1D} Wall	0,111	W/m ² K
U_{2D} Window	0,790	W/m ² K
U_{2D}	0,300	W/m ² K

Length S1	1,382	m
Length S2	0,400	m
Total length	1,782	m

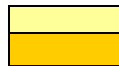
L_{1D}	0,469	W/mK
L_{2D}	0,534	W/mK

Ψ_e	0,065	W/mK
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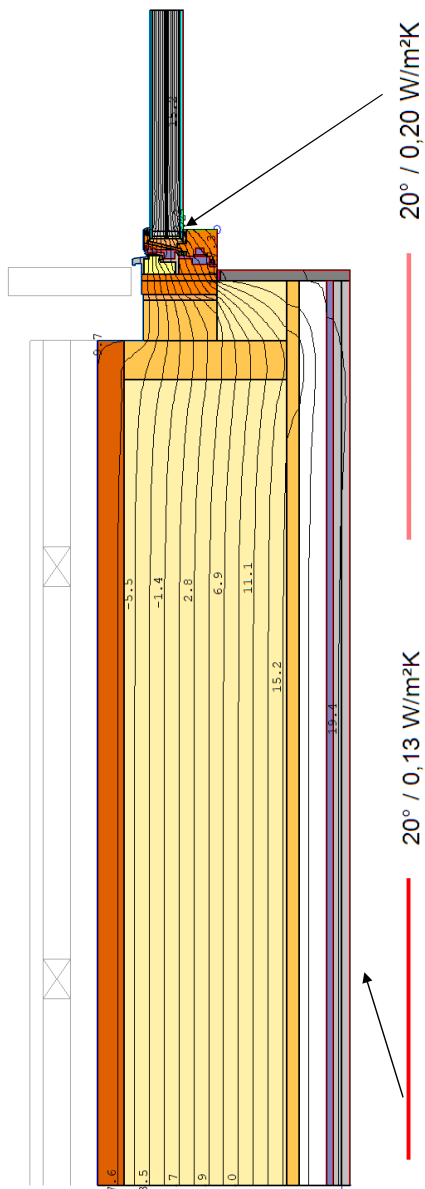
projected X
projected X


PHI				
Boundary Conditions	R_s	θ	R_s	θ
	0,13	20,00	0,25	20,00
	0,13	20,00	0,20	20,00
	0,04	-10,00	0,04	-10,00
Psi-value			fR_{Si}	

lowest interior temperature:
 f_{RSi} at 20 °C / -10 °C

 > 0,7 requirement fulfilled

Isotherms:



Date	02.07.2022
Signature	

smartwin solar imTafelbau unten

Balkontüre barrierefrei an Zwischendecke Laubengang

U_{1D} Wall	0,111	W/m ² K
U_{2D} Window	0,790	W/m ² K
U_{2D}	0,275	W/m ² K

Length S1	1,630	m
Length S2	0,400	m
Total length	2,030	m




L_{1D}	0,497	W/mK
L_{2D}	0,558	W/mK

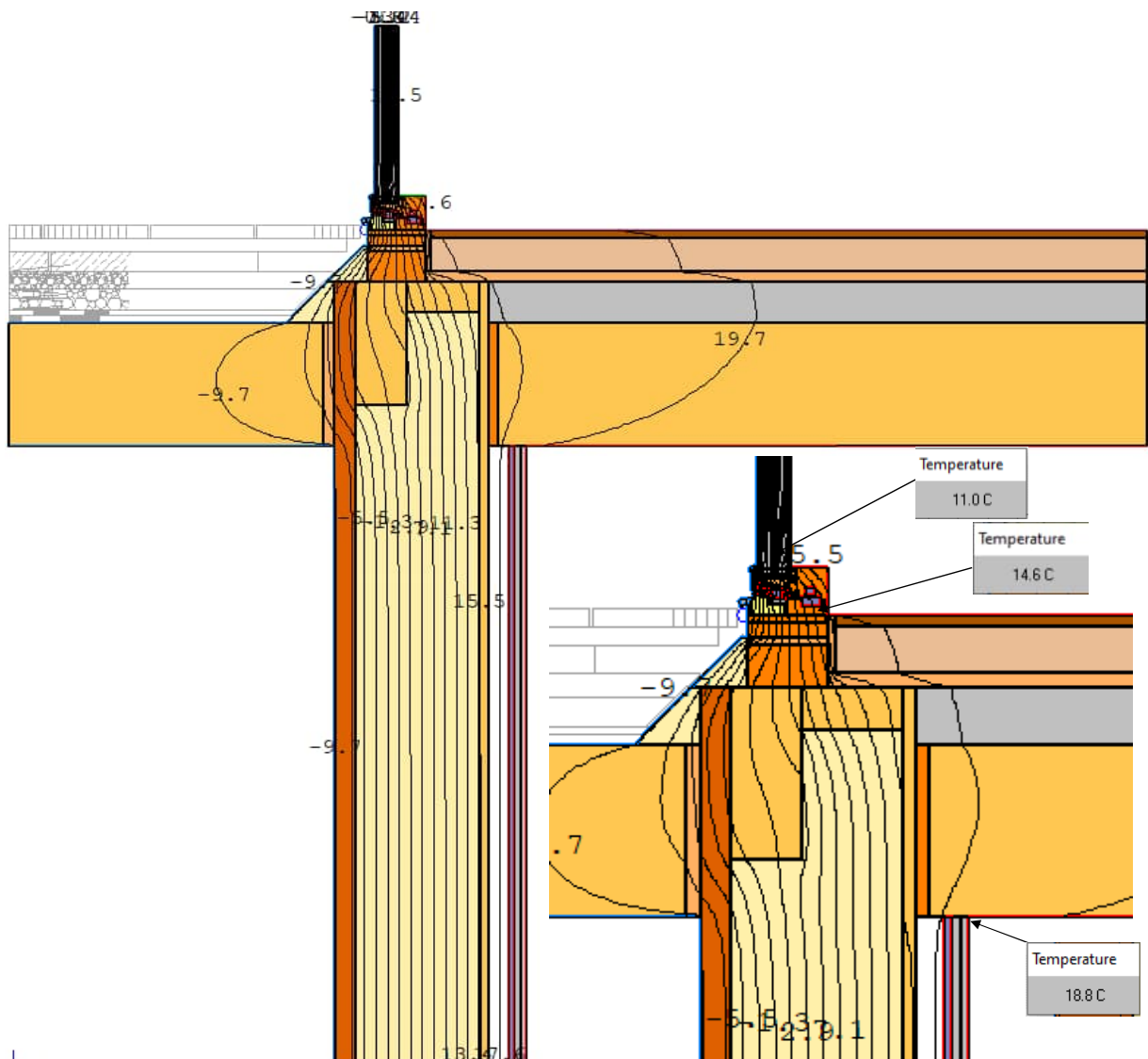
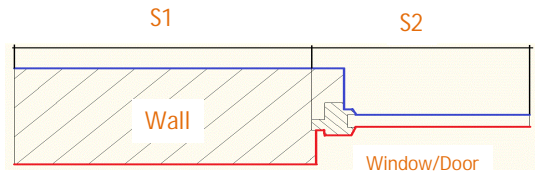
Ψ_e	0,062	W/mK
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lowest interior temperature:


f_{RSI} at 20 °C / -10 °C

projected X
projected X

PHI				
Boundary Conditions	R_s	θ	R_s	θ
	0,13	20,00	0,25	20,00
	0,13	20,00	0,20	20,00
	0,04	-10,00	0,04	-10,00
Psi-value			f_{RSI}	



+

Date	15.06.2022
Signature	

smartwin solar im Tafelbau unten

Balkontüre barrierefrei Tiefgarage vorerst nur Temperatur

U _{1D} Wall		W/m²K
U _{1D} Ceiling		W/m²K
U _{2D} Window		W/m²K
U _{2D}		W/m²K

Length S1		m
Length S2		m
Length S3		m
Total length		m

L _{1D} Wall	0,000	W/mK
L _{1D} Ceiling	0,000	W/mK
L _{2D} window	0,000	W/mK
L _{2D}	0,000	W/mK

Ψ _e	0,000	W/mK
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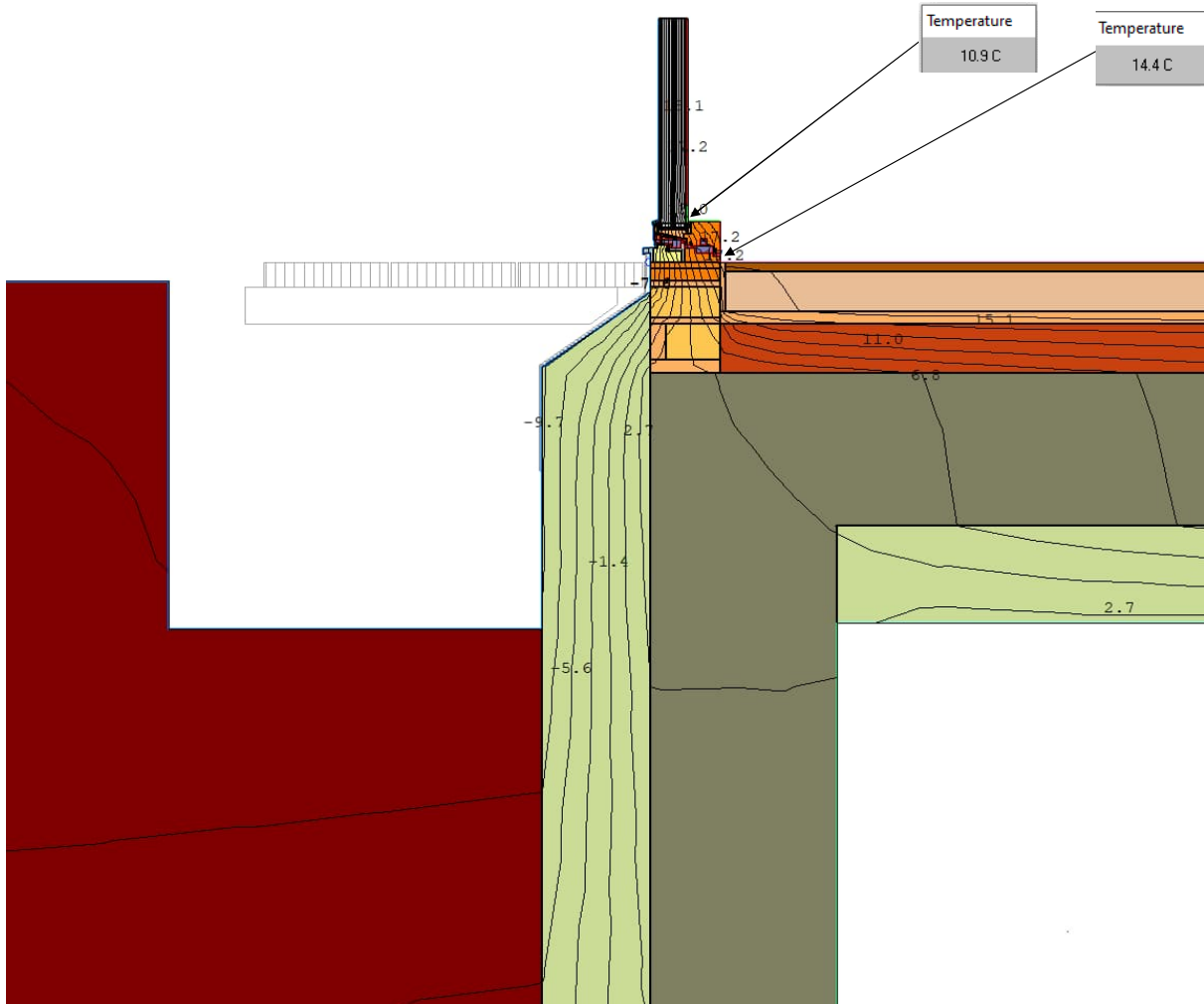
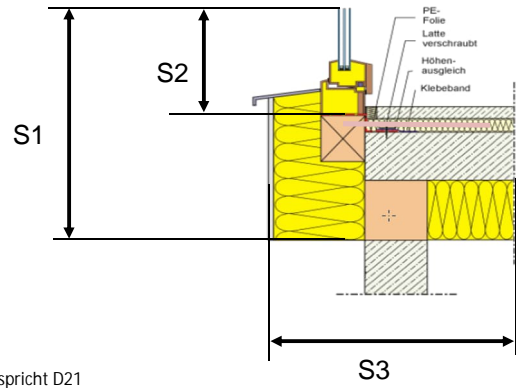
lowest interior temperature:

f_{RSI} at 20 °C / -10 °C

projected X
custom length (S1+S3) entspricht D21

PHI				
Boundary Conditions	R _s	θ	R _s	θ
	0,13	20,00	0,25	20,00
	0,17	20,00	0,25	20,00
	0,13	-10,00	0,04	-10,00
	0,17	-5,00	0,04	-5,00
	0,13	-5,00	0,04	-5,00
Psi-value			fR _{SI}	

14,4°C
0,81 > 0,7 requirement fulfilled



Date	15.06.2022
Signature	<i>F. Eudon</i>