

C_3.1.2. Determination of heating loads

H _T OF OPAQUE COMPONENTS				
POSITION	AREA [m ²]	TRANSMITTANCE [W/m ² k]	REDUCTION b _u [-]	$\sum_{k=1}^n A_k * U_k * b$
H _{T,e}	660	2.000	1.0	1320.0
H _{T,uh}	660	1.695	0.6	671.2

TRANSMISSION FLUX	H	θ* _i	θ* _e	φ _c
	[W/K]	[°C]	[°C]	[W]
H _{T,e}	39617.34	20	-8	1109286
H _{T,uh}	2367.85	20	-8	66300
H _{T,e}	1320.00	20	-8	36960.0
H _{T,uh}	671.19	20	-8	18793.2
TOTAL H	43976.38		TOTAL φ _c	1231338.64
H/sup	3.919463		φ _c /sup	109.744977
MIN REQ	0.75			

Percentage Areal vs Linear Transmission Coefficients

