Project:	System:
The Spin - Frankfurt	AWS 75
Section:	Editor:
Unit 2a	J. Ramírez

Frame

No.	Name	Profile-width max in m		Profile-length in m		Number of		Area A in m²		Uf - Value in W/m²K		A x Uf in W/K
1	H1.1	0.445	x	3.151	x	1	=	1.402	x	1.7	=	2.384
2	H1.2	0.445	x	3.151	x	1	=	1.402	x	1.7	=	2.384
3	H2.1	0.296	x	2.621	x	1	=	0.776	x	1.2	=	0.931
4	H3.1	0.299	x	0.689	x	1	=	0.206	x	1.9	=	0.391
5	H3.2	0.299	x	0.689	x	1	=	0.206	x	1.9	=	0.391
6	V1.1	0.476	x	2.401	x	1	=	1.144	x	1.5	=	1.716
7	V1.2	0.476	x	1.051	x	1	=	0.501	x	1.5	=	0.751
8	V2.1	0.255	x	2.401	x	1	=	0.613	x	1.3	=	0.797
9	V2.2	0.255	x	1.051	x	1	=	0.269	x	1.3	=	0.349
0	0	0	x	0	x	1	=	0	x	0	=	0

Summary area in m² = 6.519
Summary of heat loss W/K = 10.095

Glazing or panel

No.	Name	Visible height in m		Visible width in m		Number of		Area A in m²		Ug|p - Value in W/m²K		A x Ug|p in W/K
1	Spandrel-Panel-1	0.487	x	1.051	x	1	=	0.512	x	0.47	=	0.241
2	Glz-1	2.621	x	0.905	x	1	=	2.373	x	0.6	=	1.424
3	Spandrel-Panel-2	0.487	x	2.401	x	1	=	1.169	x	0.47	=	0.55
4	Glz-2	2.621	x	0.98	x	1	=	2.567	x	0.6	=	1.54

Summary area in m² = 9.188
Summary of heat loss W/K = 5.295

No.	Name	Visible height in m		Visible width in m		Number of		Area A in m²		Ψg|p - Value in W/m²K		A x Ψg|p in W/K
1	Spandrel-Panel-1	0.487	x	1.051	x	2	=	3.076	x	0.02	=	0.062
2	Glz-1	2.621	x	0.905	x	2	=	7.052	x	0.031	=	0.219
3	Spandrel-Panel-2	0.487	x	2.401	x	2	=	5.776	x	0.02	=	0.116
4	Glz-2	2.621	x	0.98	x	2	=	7.201	x	0.031	=	0.223

Summary Length in m = 30.307
Summary of heat loss W/K = 0.842

Results

Heat loss frame in W/K	10.095	Summary area frame in m²		6.519
Heat loss glazing/panel in W/K	+ 5.295	Summary area glazing/panel in m²	+	9.188
Heat loss spacer glazing/panel in W/K	+ 0.842			
Heat loss window in W/K	16.232	Area window in m²		15.707
percentage frame=	41.502 %	Thermal transmittance Ucw-value in W/m²	Ucw =	1.033