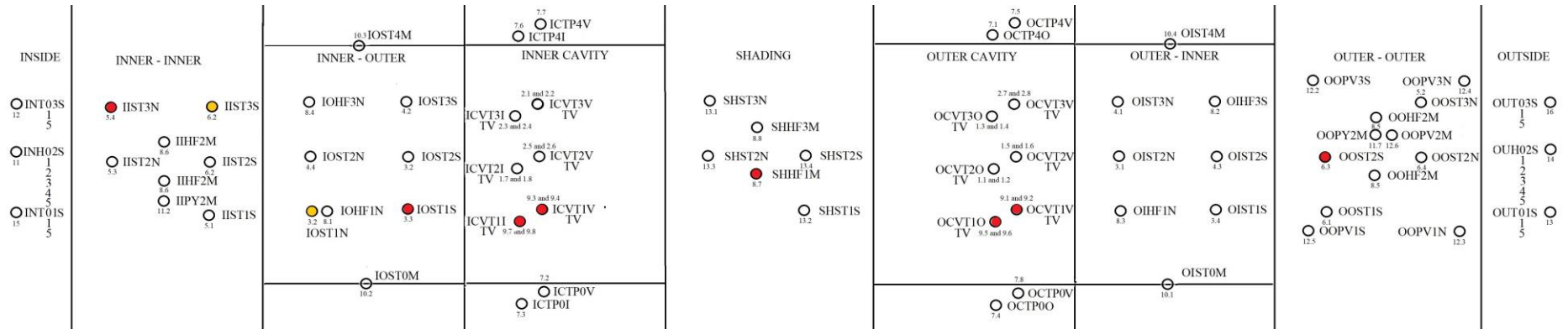


[illegible][illegible][illegible]

Positons of the sensors



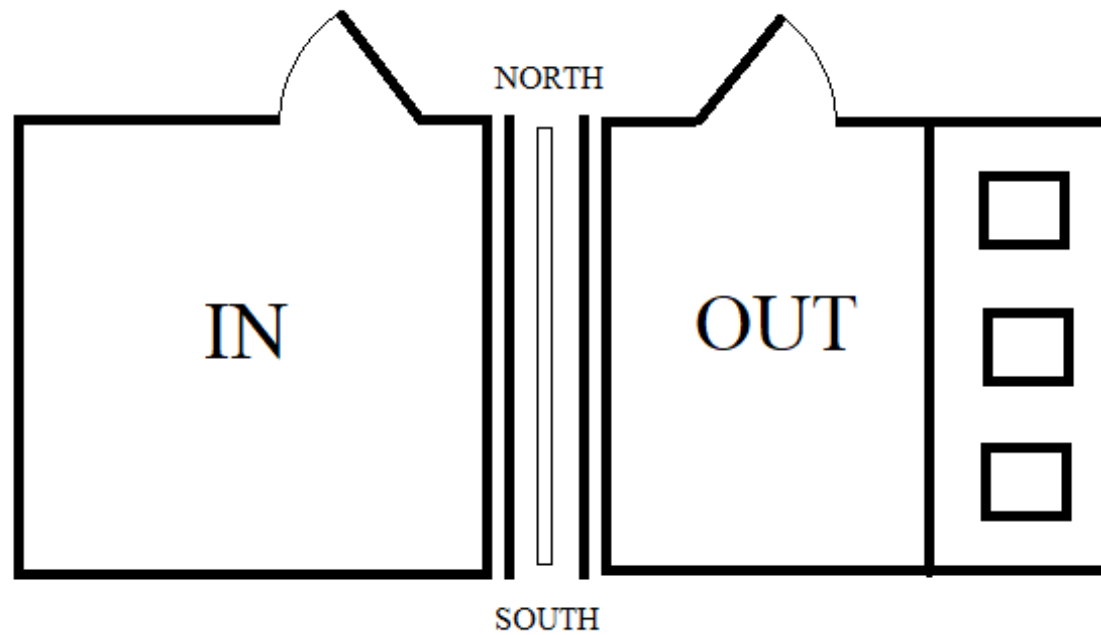
Sensors description			
Tag ID	Tag name	Unit	Description
SM10_1	OCVT2O	m/s	air cavity velocity probe located at outer cavity close to outer glazing at the second height level
SM10_2	OCTV2O	degC	air cavity temperature probe located at outer cavity close to outer glazing at the second height level
SM10_3	OCVT3O	m/s	air cavity velocity probe located at outer cavity close to outer glazing at the third height level
SM10_4	OCTV3O	degC	air cavity temperature probe located at outer cavity close to outer glazing at the third height level
SM10_5	OCVT2V	m/s	air cavity velocity probe located at outer cavity close to venetian blind at the second height level
SM10_6	OCTV2V	degC	air cavity temperature probe located at outer cavity close to venetian blind at the second height level
SM10_7	ICVT2I	m/s	air cavity velocity probe located at inner cavity close to inner glazing at the second height level
SM10_8	ICTV2I	degC	air cavity temperature probe located at inner cavity close to inner glazing at the second height level
SM20_1	ICVT3V	m/s	air cavity velocity probe located at inner cavity close to venetian blind at the third height level
SM20_2	ICTV3V	degC	air cavity temperature probe located at inner cavity close to venetian blind at the third height level
SM20_3	ICVT3I	m/s	air cavity velocity probe located at inner cavity close to inner glazing at the third height level
SM20_4	ICTV3I	degC	air cavity temperature probe located at inner cavity close to inner glazing at the third height level
SM20_5	ICVT2V	m/s	air cavity velocity probe located at inner cavity close to venetian blind at the second height level
SM20_6	ICTV2V	degC	air cavity temperature probe located at inner cavity close to venetian blind at the second height level
SM20_7	OCVT3V	m/s	air cavity velocity probe located at outer cavity close to venetian blind at the third height level
SM20_8	OCTV3V	degC	air cavity temperature probe located at outer cavity close to venetian blind at the third height level

SM30_1	OIST2N	degC	surface temperature sensor located at outer glazing, inner surface north level at the second height level
SM30_2	IOST2S	degC	surface temperature sensor located at inner glazing, outer surface south level at the second height level
SM30_3	IOST1S	degC	surface temperature sensor located at inner glazing, outer surface south level at the first height level
SM30_4	OIST1S	degC	surface temperature sensor located at outer glazing, inner surface south level at the first height level
SM40_1	OIST3N	degC	surface temperature sensor located at outer glazing, inner surface north level at the third height level
SM40_2	IOST3S	degC	surface temperature sensor located at inner glazing, outer surface south level at the third height level
SM40_3	OIST2S	degC	surface temperature sensor located at outer glazing, inner surface south level at the second height level
SM40_4	IOST2N	degC	surface temperature sensor located at inner glazing, outer surface north level at the second height level
SM50_1	IIST1S	degC	surface temperature sensor located at inner glazing, inner surface south level at the first height level
SM50_2	OOST3N	degC	surface temperature sensor located at outer glazing, outer surface north level at the third height level
SM50_3	IIST2N	degC	surface temperature sensor located at inner glazing, inner surface north level at the second height level
SM50_4	IIST3N	degC	surface temperature sensor located at inner glazing, inner surface north level at the third height level
SM60_1	OOST1S	degC	surface temperature sensor located at outer glazing, outer surface south level at the first height level
SM60_2	IIST2S	degC	surface temperature sensor located at inner glazing, inner surface south level at the second height level
SM60_3	OOST2S	degC	surface temperature sensor located at outer glazing, outer surface south level at the second height level
SM60_4	OOST2N	degC	surface temperature sensor located at outer glazing, outer surface north level at the second height level
SM70_1	OCTP4O	degC	temperature probe located at outer cavity close to outer glazing at the fourth height level
SM70_2	ICTP0V	degC	temperature probe located at inner cavity close to venetian blind at the zeroth height level
SM70_3	ICTP0I	degC	temperature probe located at inner cavity close to inner glazing at the zeroth height level
SM70_4	OCTP0O	degC	temperature probe located at outer cavity close to outer glazing at the zeroth height level
SM70_5	OCTP4V	degC	temperature probe located at outer cavity close to venetian blind at the fourth height level
SM70_6	ICTP4I	degC	temperature probe located at inner cavity close to inner glazing at the fourth height level
SM70_7	ICTP4V	degC	temperature probe located at inner cavity close to venetian blind at the fourth height level
SM70_8	OCTP0V	degC	temperature probe located at outer cavity close to venetian blind at the zeroth height level
SM80_1	IOHF1N	W/m^2	heat flux meter located at inner glazing, outer surface north level at the first height level
SM80_2	OIHF3S	W/m^2	heat flux meter located at outer glazing, inner surface south level at the third height level
SM80_3	OIHF1N	W/m^2	heat flux meter located at outer glazing, inner surface north level at the first height level
SM80_4	IOHF3N	W/m^2	heat flux meter located at inner glazing, outer surface north level at the third height level
SM80_5	OOHF2M	W/m^2	heat flux meter located at outer glazing, outer surface middle level at the second height level
SM80_6	IIHF2M	W/m^2	heat flux meter located at inner glazing, inner surface middle level at the second height level
SM80_7	SHHF1M	W/m^2	heat flux meter located at shading middle level at the first height level
SM80_8	SHHF3M	W/m^2	heat flux meter located at shading middle level at the third height level

SM90_1	OCVT1V	m/s	air cavity velocity probe located at outer cavity close to venetian blind at the first height level
SM90_2	OCTV1V	degC	air cavity temperature probe located at outer cavity close to venetian blind at the first height level
SM90_3	ICVT1V	m/s	air cavity velocity probe located at inner cavity close to venetian blind at the first height level
SM90_4	ICTV1V	degC	air cavity temperature probe located at inner cavity close to venetian blind at the first height level
SM90_5	OCVT1O	m/s	air cavity velocity probe located at outer cavity close to outer glazing at the first height level
SM90_6	OCTV1O	degC	air cavity temperature probe located at outer cavity close to outer glazing at the first height level
SM90_7	ICVT1I	m/s	air cavity velocity probe located at inner cavity close to inner glazing at the first height level
SM90_8	ICTV1I	degC	air cavity temperature probe located at inner cavity close to inner glazing at the first height level
SM100_1	OIST0M	degC	surface temperature sensor located at outer glazing, inner surface middle level at the zeroth height level
SM100_2	IOST0M	degC	surface temperature sensor located at inner glazing, outer surface middle level at the zeroth height level
SM100_3	IOST4M	degC	surface temperature sensor located at inner glazing, outer surface middle level at the fourth height level
SM100_4	OIST4M	degC	surface temperature sensor located at outer glazing, inner surface middle level at the fourth height level
SM110_1	empty	NOT FOUND	NOT FOUND located at NOT FOUND NOT FOUND at the NOT FOUND
SM110_2	IIPY2M	W/m^2	pyranometer located at inner glazing, inner surface middle level at the second height level
SM110_3	ICDP0M	Pa	differential pressure sensor located at inner cavity middle level at the zeroth height level
SM110_4	ICDP2M	Pa	differential pressure sensor located at inner cavity middle level at the second height level
SM110_5	empty	NOT FOUND	NOT FOUND located at NOT FOUND NOT FOUND at the NOT FOUND
SM110_6	ICDP4M	Pa	differential pressure sensor located at inner cavity middle level at the fourth height level
SM110_7	OOPY2M	W/m^2	pyranometer located at outer glazing, outer surface middle level at the second height level
SM110_8	empty	NOT FOUND	NOT FOUND located at NOT FOUND NOT FOUND at the NOT FOUND
SM120_1	OUCO2M	ppm	CO2 sensor located at outside room middle level at the second height level
SM120_2	OOPV3S	W/m^2	photovoltaic pyranometer located at outer glazing, outer surface south level at the third height level
SM120_3	OOPV1N	W/m^2	photovoltaic pyranometer located at outer glazing, outer surface north level at the first height level
SM120_4	OOPV3N	W/m^2	photovoltaic pyranometer located at outer glazing, outer surface north level at the third height level
SM120_5	OOPV1S	W/m^2	photovoltaic pyranometer located at outer glazing, outer surface south level at the first height level
SM120_6	OOPV2M	W/m^2	photovoltaic pyranometer located at outer glazing, outer surface middle level at the second height level
SM120_7	empty	NOT FOUND	NOT FOUND located at NOT FOUND NOT FOUND at the NOT FOUND
SM120_8	empty	NOT FOUND	NOT FOUND located at NOT FOUND NOT FOUND at the NOT FOUND
SM130_1	SHST3N	degC	surface temperature sensor located at shading north level at the third height level
SM130_2	SHST1S	degC	surface temperature sensor located at shading south level at the first height level
SM130_3	SHST2N	degC	surface temperature sensor located at shading north level at the second height level
SM130_4	SHST2S	degC	surface temperature sensor located at shading south level at the second height level

HD11_1	INH02S	degC	box temperature/humidity sensor located at inside room south level at the second height level
HD11_2	INH22S	%	humidity sensor located at inside room south level at the second height level
HD11_3	INH32S	degC	dew point sensor located at inside room south level at the second height level
HD12_1	INT03S	degC	box temperature sensor located at inside room south level at the third height level
HD13_1	OUT01S	degC	box temperature sensor located at outside room south level at the first height level
HD14_1	OUH02S	degC	box temperature/humidity sensor located at outside room south level at the second height level
HD14_2	OUH22S	%	humidity sensor located at outside room south level at the second height level
HD14_3	OUH32S	degC	dew point sensor located at outside room south level at the second height level
HD15_1	INT01S	degC	box temperature sensor located at inside room south level at the first height level
HD16_1	OUT03S	degC	box temperature sensor located at outside room south level at the third height level

Sketch of the climate simulator and the DSF (top view)



Measurement point distances to referent positions. Description of referent position is given in the comments following these tables.

	A	B	C	D	E	F	G	H	I
1	INSIDE					OUTSIDE			
2		y [cm]	h [cm]				y [cm]	h [cm]	
3	INT03S	250	328			OUT03S	250	328	
4	INH02S/INH22S/INH32S	123	201			OUH02S/OUH22S/OUH32S	123	201	
5	INT01S	-9	69			OUT01S	-9	69	
6									
7	INNER - INNER					OUTER - OUTER			
8		x [cm]	y [cm]				x [cm]	y [cm]	
9	IIST3N	42	177			OOST3N	32	178	
10	IIST3S	85	177			OOST2S	76	118	
11	IIST2N	42	118			OOST2N	42	118	
12	IIST2S	75	118			OOHF2M	52/77	178/62	
13	IIST1S	85	59			OOST1S	96	59	
14	IIHF2M	51/77	177/59	z [cm]			x [cm]	y [cm]	z [cm]
15	IIPY2M	63	80	4		OOPV3S	119	188	7
16						OOPV3N	20	188	7
17						OOPY2M	64	131	14
18						OOPV2M	49	131	9
19						OOPV1S	119	50	7
20						OOPV1N	20	50	7
21									
22	INNER - OUTER					OUTER - INNER			
23		x [cm]	y [cm]				x [cm]	y [cm]	
24	IOHF3N	32	177			OIST3N	42	178	
25	IOHF1N	51	61			OIHf3S	78	178	
26	IOST3S	78	176			OIST2N	52	118	
27	IOST2N	53	118			OIST2S	80	118	
28	IOST2S	75	118			OIHf1N	49	62	
29	IOST1N	32	60			OIST1S	86	60	
30	IOST1S	96	60			OIST0M	57	-13	
31	IOST0M	62	-14				x [cm]	b [cm]	
32		x [cm]	b [cm]			OIST4M	57	13	
33	IOST4M	66	14						

35	INNER CAVITY					OUTER CAVITY			
36		x [cm]	y [cm]	z [cm]			x [cm]	y [cm]	z [cm]
37	ICTV3I	37	176	2-3		OCTV3O	89	180	2-3
38	ICTV2I	39	119	2-3		OCTV2O	89	119	2-3
39	ICTV1I	37	59	2-3		OCTV1O	89	60	2-3
40	ICVT3I	40	176	2-3		OCVT3O	86	180	2-3
41	ICVT2I	42	119	2-3		OCVT2O	86	119	2-3
42	ICVT1I	40	59	2-3		OCVT1O	86	60	2-3
43	ICTP0I	39	-20	2-3		OCTP0O	90	-19	2-3
44		x [cm]	y [cm]	c [cm]			x [cm]	y [cm]	c [cm]
45	ICTV3V	37	176	3-4		OCTV3V	89	180	3-4
46	ICTV2V	39	119	3-4		OCTV2V	89	119	3-4
47	ICTV1V	37	59	3-4		OCTV1V	89	60	3-4
48	ICVT3V	40	176	3-4		OCVT3V	86	180	3-4
49	ICVT2V	42	119	3-4		OCVT2V	86	119	3-4
50	ICVT1V	40	59	3-4		OCVT1V	86	60	3-4
51	ICTP0V	39	-20	3-4		OCTP0V	88	-19	3-4
52		x [cm]	b [cm]	z [cm]			x [cm]	b [cm]	z [cm]
53	ICTP4I	13	20	3		OCTP4O	112	20	3
54		x [cm]	b [cm]	c [cm]			x [cm]	b [cm]	c [cm]
55	ICTP4V	13	20	3-4		OCTP4V	112	20	3-4
56									
57	SHADING								
58		x [cm]	y [cm]	n [-]					
59	SHST3N	35	171	44					
60	SHHF3M	68	129	34					
61	SHST2N	35	113	30					
62	SHST2S	80	113	30					
63	SHHF1M	68	100	27					
64	SHST1S	81	55	16					

Cells to which the reference position description applies are highlighted in the comments:

 Aleksandar Jankovic	B2	...
Vertical distance to lower border between glazing and frame		
Reply		
 Aleksandar Jankovic	C2	...
Vertical distance from the ground		
Reply		
 Aleksandar Jankovic	G2	...
Vertical distance to lower border between glazing and frame		
Reply		
 Aleksandar Jankovic	H2	...
Vertical distance from the ground		
Reply		
 Aleksandar Jankovic	B8	...
Horizontal distance to northern border between glazing and frame		
Reply		
 Aleksandar Jankovic	C8	...
Vertical distance to lower border between glazing and frame		
Reply		
 Aleksandar Jankovic	G8	...
Horizontal distance to northern border between glazing and frame		
Reply		
 Aleksandar Jankovic	H8	...
Vertical distance to lower border between glazing and frame		
Reply		

 Aleksandar Jankovic	D14	...
Normal distance to closest glazing surface		
Reply		
 Aleksandar Jankovic	G14	...
Horizontal distance to northern border between glazing and frame		
Reply		
 Aleksandar Jankovic	H14	...
Vertical distance to lower border between glazing and frame		
Reply		
 Aleksandar Jankovic	I14	...
Normal distance to closest glazing surface		
Reply		
 Aleksandar Jankovic	B23	...
Horizontal distance to northern border between glazing and frame		
Reply		
 Aleksandar Jankovic	C23	...
Vertical distance to lower border between glazing and frame		
Reply		
 Aleksandar Jankovic	G23	...
Horizontal distance to northern border between glazing and frame		
Reply		
 Aleksandar Jankovic	H23	...
Vertical distance to lower border between glazing and frame		
Reply		

 Aleksandar Jankovic	G31	...
Horizontal distance to northern border between glazing and frame		
Reply		
 Aleksandar Jankovic	H31	...
Vertical distance to upper boundary between glazing and frame		
Reply		
 Aleksandar Jankovic	B32	...
Horizontal distance to northern border between glazing and frame		
Reply		
 Aleksandar Jankovic	C32	...
Vertical distance to upper boundary between glazing and frame		
Reply		
 Aleksandar Jankovic	B36	...
Horizontal distance to northern border between glazing and frame		
Reply		
 Aleksandar Jankovic	C36	...
Vertical distance to lower border between glazing and frame		
Reply		
 Aleksandar Jankovic	D36	...
Normal distance to closest glazing surface		
Reply		
 Aleksandar Jankovic	G36	...
Horizontal distance to northern border between glazing and frame		
Reply		

AJ Aleksandar Jankovic Vertical distance to lower border between glazing and frame H36 ...	Reply
AJ Aleksandar Jankovic Normal distance to closest glazing surface I36 ...	Reply
AJ Aleksandar Jankovic Horizontal distance to northern border between glazing and frame B44 ...	Reply
AJ Aleksandar Jankovic Vertical distance to lower border between glazing and frame. C44 ...	Reply
AJ Aleksandar Jankovic Normal distance to the center of the cavity D44 ...	Reply
AJ Aleksandar Jankovic Horizontal distance to northern border between glazing and frame G44 ...	Reply
AJ Aleksandar Jankovic Vertical distance to lower border between glazing and frame. H44 ...	Reply
AJ Aleksandar Jankovic Normal distance to the center of the cavity I44 ...	Reply

AJ Aleksandar Jankovic Horizontal distance to northern border between glazing and frame B52 ...	Reply
AJ Aleksandar Jankovic Vertical distance to upper boundary between glazing and frame C52 ...	Reply
AJ Aleksandar Jankovic Normal distance to closest glazing surface D52 ...	Reply
AJ Aleksandar Jankovic Horizontal distance to northern border between glazing and frame G52 ...	Reply
AJ Aleksandar Jankovic Vertical distance to upper boundary between glazing and frame H52 ...	Reply
AJ Aleksandar Jankovic Normal distance to closest glazing surface I52 ...	Reply
AJ Aleksandar Jankovic Horizontal distance to northern border between glazing and frame B54 ...	Reply
AJ Aleksandar Jankovic Vertical distance to upper boundary between glazing and frame C54 ...	Reply

AJ Aleksandar Jankovic Normal distance to the center of the cavity D54 ...	Reply
AJ Aleksandar Jankovic Horizontal distance to northern border between glazing and frame G54 ...	Reply
AJ Aleksandar Jankovic Vertical distance to upper boundary between glazing and frame H54 ...	Reply
AJ Aleksandar Jankovic Normal distance to the center of the cavity I54 ...	Reply
AJ Aleksandar Jankovic Horizontal distance to northern border between glazing and frame B58 ...	Reply
AJ Aleksandar Jankovic Vertical distance to lower border between glazing and frame C58 ...	Reply
AJ Aleksandar Jankovic Ordinal number of blind counted from the bottom D58 ...	Reply