

Project Sap Calcs

Room reference 4 BTH ROOM

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Length x Width	Height		In	Out
1	1	1	2.600 x 2.200 m	2.400	Light	9	18

No.	Occupants Activity	Gains		Additional gains				
		Lights	% conv	Gain	Sensible	Latent	% conv	
1	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design				Lighting						
Winter	temp	18.0 °C	1.0 a/c	Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %		level	index	height	dist	C	W	F
Summer	temp	23.0 °C	0.5 a/c	500	19	0.85	0.00	70	50	20
	%sat	50 %		Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	2.6 x 2.4 m	23	Orientation = 270.0°
Window in wall 1	1 x 1.4 m	1	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	2.6 x 2.4 m	3	No heat flow
Internal partition 2	2.2 x 2.4 m	3	No heat flow
Internal partition 3	2.2 x 2.4 m	6	No heat flow

Project Sap Calcs

Room reference 4 HALL

Data			Dimensions		Weight Light	Occupancy		
Zone	Floor	Mult.	Floor area	Height		In	Out	
1	1	1	11.63 m²	2.400		9	18	
Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
1	Walking	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			
Thermal design			Lighting					
Winter	temp	18.0 °C		Illum	Glare	W/plane	Susp	Reflectance
	%sat	40 %	1.0 a/c	level	index	height	dist	C W F
Summer	temp	23.0 °C		500	19	0.85	0.00	70 50 20
	%sat	50 %	0.5 a/c	Lighting control		No control		
				Daylight factors		-		

Surface	Dimensions	Type	Surface data
Exposed wall 1	5.3 x 2.4 m	23	Orientation = 180.0°
Internal partition 1	2.4 x 2.4 m	6	Adj Favourites room : Circulation area
Internal partition 2	7 x 2.4 m	6	Adj Favourites room : Circulation area
Internal partition 3	1.4 x 2.4 m	6	Adj Favourites room : Circulation area
Internal partition 4	1.4 x 2.4 m	6	Adj Favourites room : Circulation area

Project Sap Calcs

Room reference 4 LIV

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	1	1	24.85 m ²	2.400	Light	9	18

No.	Occupants Activity		Gains		Additional gains			
			Lights	% conv	Gain	Sensible	Latent	% conv
4	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium					ON at 1.00	OFF at 24.00	
		Casual	0.0	75	2	0.0	0.0	75
						ON at 1.00	OFF at 24.00	

Thermal design				Lighting					
Winter	temp	21.0 °C		Illum	Glare	W/plane	Susp	Reflectance	
	%sat	40 %	1.0 a/c	level	index	height	dist	C	W F
Summer	temp	23.0 °C		500	19	0.85	0.00	70	50 20
	%sat	50 %	0.5 a/c	Lighting control		No control			
				Daylight factors		-			

Surface	Dimensions	Type	Surface data
Exposed wall 1	2.2 x 2.4 m	23	Orientation = 90.0°
Window in wall 1	2.2 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 2	4.2 x 2.4 m	23	Orientation = 320.0°
Window in wall 2	2 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	5.4 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 2	3.8 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 3	5.6 x 2.4 m	3	Adj Favourites room : Lounge

Project Sap Calcs

Room reference 4 TOILET

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	1	1	3.17 m²	2.400	Light	9	18

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
1	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design				Lighting						
Winter	temp	18.0 °C	1.0 a/c	Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %		level	index	height	dist	C	W	F
Summer	temp	23.0 °C	0.5 a/c	500	19	0.85	0.00	70	50	20
	%sat	50 %		Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	2.3 x 2.4 m	23	Orientation = 220.0° Adj Favourites room : Toilet Adj Favourites room : Toilet Adj Favourites room : Toilet
Internal partition 1	.6 x 2.4 m	3	
Internal partition 2	2 x 2.4 m	3	
Internal partition 3	2.2 x 2.4 m	3	

Project Sap Calcs

Room reference 5 BATH RM

Data			Dimensions		Weight Light	Occupancy				
Zone	Floor	Mult.	Floor area	Height		In	Out			
1	2	1	3.74 m²	2.400		9	18			
Occupants			Gains		Additional gains					
No.	Activity		Lights	% conv	Gain	Sensible	Latent	% conv		
1	Seated at rest		Lights	20.0	70	1	0.0	0.0	75	
Furniture	Average, Medium					ON at 1.00 OFF at 24.00				
			Casual	0.0	75	2	0.0	0.0	75	
						ON at 1.00 OFF at 24.00				
Thermal design				Lighting						
Winter	temp	18.0 °C	1.0 a/c	Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %		level	index	height	dist	C	W	F
Summer	temp	23.0 °C	0.5 a/c	500	19	0.85	0.00	70	50	20
	%sat	50 %		Lighting control	No control					
				Daylight factors	-					

Surface	Dimensions	Type	Surface data
Internal partition 1	1.6 x 2.4 m	3	Adj Favourites room : Bathroom Adj Favourites room : Bathroom Adj Favourites room : Bathroom No heat flow
Internal partition 2	1.6 x 2.4 m	6	
Internal partition 3	2.2 x 2.4 m	3	
Internal partition 4	2.1 x 2.4 m	6	

Project Sap Calcs

Room reference 5 BED 1

Data			Dimensions		Weight	Occupancy		
Zone	Floor	Mult.	Floor area	Height		In	Out	
1	2	1	22.45 m²	2.400	Light	9	18	

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
2	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design			Lighting							
Winter	temp	18.0 °C		Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %	1.0 a/c	level	index	height	dist	C	W	F
Summer	temp	23.0 °C		500	19	0.85	0.00	70	50	20
	%sat	50 %	0.5 a/c	Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	4.2 x 2.4 m	23	Orientation = 320.0°
Window in wall 1	2 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 2	2.4 x 2.4 m	23	Orientation = 90.0°
Window in wall 2	2.1 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	4.8 x 2.4 m	3	Adj Favourites room : Bedroom
Internal partition 2	4.8 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 3	2.3 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 4	1.6 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 5	.7 x 2.4 m	6	No heat flow

Project Sap Calcs

Room reference 5 BED 2

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	2	1	12.70 m²	2.400	Light	9	18

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
2	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design			Lighting							
Winter	temp	18.0 °C	1.0 a/c	Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %		level	index	height	dist	C	W	F
Summer	temp	23.0 °C	0.5 a/c	500	19	0.85	0.00	70	50	20
	%sat	50 %		Lighting control	No control					
				Daylight factors						

Surface	Dimensions	Type	Surface data
Exposed wall 1	2.8 x 2.4 m	23	Orientation = 0.0°
Window in wall 1	2.6 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	4.8 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 2	4.8 x 2.4 m	3	Adj Favourites room : Bedroom
Internal partition 3	2.8 x 2.4 m	6	Adj Favourites room : Bedroom

Project Sap Calcs

Room reference 5 LIV

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	2	1	36.40 m ²	2.400	Light	9	18

Occupants		Gains		Additional gains			
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv
4	Seated at rest	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium			ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	75
				ON at 1.00 OFF at 24.00			

Thermal design			Lighting					
Winter	temp	21.0 °C	Illum	Glare	W/plane	Susp	Reflectance	
	%sat	40 %	level	index	height	dist	C	W F
Summer	temp	23.0 °C	500	19	0.85	0.00	70	50 20
	%sat	50 %	Lighting control		No control			
		1.0 a/c	Daylight factors		-			
		0.5 a/c						

Surface	Dimensions	Type	Surface data
Exposed wall 1	4 x 2.4 m	23	Orientation = 0.0°
Window in wall 1	2 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 2	2.8 x 2.4 m	23	Orientation = 0.0°
Window in wall 2	2.6 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 3	2.2 x 2.4 m	23	Orientation = 90.0°
Window in wall 3	2.1 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 4	2 x 2.4 m	23	Orientation = 270.0°
Internal partition 1	6.2 x 2.4 m	3	Adj Favourites room : Lounge
Internal partition 2	3.7 x 2.4 m	3	Adj Favourites room : Lounge
Internal partition 3	4.8 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 4	1.8 x 2.4 m	3	Adj Favourites room : Lounge
Internal partition 5	1.3 x 2.4 m	3	Adj Favourites room : Lounge

Project Sap Calcs

Room reference 5 TOILET

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	2	1	3.30 m ²	2.400	Light	9	18

No.	Occupants Activity		Gains		Additional gains			
			Lights	% conv	Gain	Sensible	Latent	% conv
1	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design				Lighting				
Winter	temp	18.0 °C		Illum	Glare	W/plane	Susp	Reflectance
	%sat	40 %	1.0 a/c	level	index	height	dist	C W F
Summer	temp	23.0 °C		500	19	0.85	0.00	70 50 20
	%sat	50 %	0.5 a/c	Lighting control		No control		
				Daylight factors		-		

Surface	Dimensions	Type	Surface data
Internal partition 1	2.2 x 2.4 m	6	Adj Favourites room : Toilet
Internal partition 2	1.7 x 2.4 m	6	Adj Favourites room : Toilet
Internal partition 3	1.6 x 2.4 m	3	Adj Favourites room : Toilet
Internal partition 4	2.1 x 2.4 m	3	Adj Favourites room : Toilet

Project Sap Calcs

Room reference 6 BED 1

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Length x Width	Height		In	Out
1	2	1	4.000 x 2.700 m	2.400	Light	9	18

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
2	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design				Lighting						
Winter	temp	18.0 °C	1.0 a/c	Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %		level	index	height	dist	C	W	F
Summer	temp	23.0 °C	0.5 a/c	500	19	0.85	0.00	70	50	20
	%sat	50 %		Lighting control	No control					
				Daylight factors	-					

Surface	Dimensions	Type	Surface data
Exposed wall 1	2.7 x 2.4 m	23	Orientation = 0.0° 1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m No heat flow No heat flow No heat flow
Window in wall 1	2.5 x 2.4 m	3	
Internal partition 1	4 x 2.4 m	6	
Internal partition 2	4 x 2.4 m	3	
Internal partition 3	2.7 x 2.4 m	6	

Project Sap Calcs

Room reference 6 BED 2

Data			Dimensions		Weight Light	Occupancy		
Zone	Floor	Mult.	Floor area	Height		In	Out	
1	2	1	10.46 m²	2.400		9	18	

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
2	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design				Lighting						
Winter	temp	18.0 °C		Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %	1.0 a/c	level	index	height	dist	C	W	F
Summer	temp	23.0 °C		500	19	0.85	0.00	70	50	20
	%sat	50 %	0.5 a/c	Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	4.3 x 2.4 m	23	Orientation = 45.0°
Window in wall 1	2 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 2	2.2 x 2.4 m	23	Orientation = 90.0°
Window in wall 2	2 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	3.9 x 2.4 m	3	Adj Favourites room : Bedroom
Internal partition 2	3.5 x 2.4 m	6	No heat flow

Project Sap Calcs

Room reference 6 BED 3

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	2	1	10.75 m ²	2.400	Light	9	18

Occupants			Gains		Gain	Additional gains		
No.	Activity		Lights	% conv		Sensible	Latent	% conv
2	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium	Casual	0.0	75	2	0.0	0.0	75
						ON at 1.00 OFF at 24.00		
						ON at 1.00 OFF at 24.00		

Thermal design				Lighting				
Winter	temp	18.0 °C	1.0 a/c	Illum level	Glare index	W/plane height	Susp dist	Reflectance C W F
	%sat	40 %		500	19	0.85	0.00	70 50 20
Summer	temp	23.0 °C	0.5 a/c	Lighting control		No control		
	%sat	50 %		Daylight factors		-		

Surface	Dimensions	Type	Surface data
Exposed wall 1	2 x 2.4 m	23	Orientation = 90.0°
Exposed wall 2	4.1 x 2.4 m	23	Orientation = 150.0°
Exposed wall 3	1.6 x 2.4 m	23	Orientation = 0.0°
Window in wall 3	1.4 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	1.5 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 2	1.6 x 2.4 m	6	Adj Favourites room : Bedroom

Project Sap Calcs

Room reference 6 BTH ROOM

Data			Dimensions		Weight	Occupancy		
Zone	Floor	Mult.	Length x Width	Height		In	Out	
1	2	1	2.600 x 1.400 m	2.400	Light	9	18	

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
1	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design			Lighting							
Winter	temp	18.0 °C		Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %	1.0 a/c	level	index	height	dist	C	W	F
Summer	temp	23.0 °C		500	19	0.85	0.00	70	50	20
	%sat	50 %	0.5 a/c	Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	1.4 x 2.4 m	23	Orientation = 90.0°
Exposed wall 2	2.6 x 2.4 m	23	Orientation = 180.0°
Internal partition 1	2.6 x 2.4 m	6	No heat flow
Internal partition 2	1.4 x 2.4 m	6	No heat flow

Project Sap Calcs

Room reference 6 HALL

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	2	1	14.59 m ²	2.400	Light	9	18

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
1	Walking	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design			Lighting							
Winter	temp	18.0 °C	1.0 a/c	Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %		level	index	height	dist	C	W	F
Summer	temp	23.0 °C	0.5 a/c	500	19	0.85	0.00	70	50	20
	%sat	50 %		Lighting control	No control					
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	5.8 x 2.4 m	23	Orientation = 180.0°
Internal partition 1	10 x 2.4 m	6	Adj Favourites room : Circulation area
Internal partition 2	1.8 x 2.4 m	6	Adj Favourites room : Circulation area
Internal partition 3	1.7 x 2.4 m	6	Adj Favourites room : Circulation area
Internal partition 4	1.4 x 2.4 m	6	Adj Favourites room : Circulation area
Internal partition 5	1.4 x 2.4 m	6	Adj Favourites room : Circulation area

Project Sap Calcs

Room reference 6 LIV

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	2	1	25.74 m ²	2.400	Light	9	18

Occupants		Gains		Additional gains			
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv
4	Seated at rest	Lights	20.0	70	1	0.0	0.0
Furniture	Average, Medium						75
		Casual	0.0	75	2	0.0	0.0
							75

Thermal design				Lighting					
Winter	temp	21.0 °C		Illum	Glare	W/plane	Susp	Reflectance	
	%sat	40 %	1.0 a/c	level	index	height	dist	C	W F
Summer	temp	23.0 °C		500	19	0.85	0.00	70	50 20
	%sat	50 %	0.5 a/c	Lighting control		No control			
				Daylight factors		-			

Surface	Dimensions	Type	Surface data
Exposed wall 1	4.2 x 2.4 m	23	Orientation = 25.0°
Window in wall 1	1.9 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 2	2.2 x 2.4 m	23	Orientation = 90.0°
Window in wall 2	2 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	7 x 2.4 m	3	Adj Favourites room : Lounge
Internal partition 2	3.9 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 3	3.5 x 2.4 m	6	Adj Favourites room : Lounge

Project Sap Calcs

Room reference 6 TOILET

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	2	1	3.41 m ²	2.400	Light	9	18

Occupants			Gains		Additional gains			
No.	Activity		Lights	% conv	Gain	Sensible	Latent	% conv
1	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium					ON at 1.00 OFF at 24.00		
		Casual	0.0	75	2	0.0	0.0	75
						ON at 1.00 OFF at 24.00		

Thermal design			Lighting							
Winter	temp	18.0 °C	1.0 a/c	Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %		level	index	height	dist	C	W	F
Summer	temp	23.0 °C		500	19	0.85	0.00	70	50	20
	%sat	50 %	0.5 a/c	Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	2.2 x 2.4 m	23	Orientation = 220.0°
Exposed wall 2	1.9 x 2.4 m	23	Orientation = 150.0°
Internal partition 1	2 x 2.4 m	6	Adj Favourites room : Toilet
Internal partition 2	1.8 x 2.4 m	6	Adj Favourites room : Toilet

Project Sap Calcs

Room reference 7 BED 1

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	2	1	13.39 m²	2.400	Light	9	18

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
2	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design			Lighting							
Winter	temp	18.0 °C	1.0 a/c	Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %		level	index	height	dist	C	W	F
Summer	temp	23.0 °C	0.5 a/c	500	19	0.85	0.00	70	50	20
	%sat	50 %		Lighting control	No control					
				Daylight factors	-					

Surface	Dimensions	Type	Surface data
Exposed wall 1	4 x 2.4 m	23	Orientation = 150.0°
Window in wall 1	2.7 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 2	4.5 x 2.4 m	23	Orientation = 270.0°
Internal partition 1	3.4 x 2.4 m	3	Adj Favourites room : Bedroom
Internal partition 2	3.6 x 2.4 m	3	Adj Favourites room : Bedroom

Project Sap Calcs

Room reference 7 BTH ROOM

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Length x Width	Height		In	Out
1	2	1	2.600 x 2.200 m	2.400	Light	9	18

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
1	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design			Lighting							
Winter	temp	18.0 °C	1.0 a/c	Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %		level	index	height	dist	C	W	F
Summer	temp	23.0 °C	0.5 a/c	500	19	0.85	0.00	70	50	20
	%sat	50 %		Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	2.6 x 2.4 m	23	Orientation = 270.0° 1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m Adj Favourites room : Bathroom Adj Favourites room : Bathroom Adj Favourites room : Bathroom
Window in wall 1	.9 x 2.4 m	3	
Internal partition 1	2.6 x 2.4 m	3	
Internal partition 2	2.2 x 2.4 m	6	
Internal partition 3	2.2 x 2.4 m	6	

Project Sap Calcs

Room reference 7 LIV

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	2	1	26.01 m²	2.400	Light	9	18

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
4	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design				Lighting						
Winter	temp	21.0 °C		Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %	1.0 a/c	level	index	height	dist	C	W	F
Summer	temp	23.0 °C		500	19	0.85	0.00	70	50	20
	%sat	50 %	0.5 a/c	Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	1 x 2.4 m	23	Orientation = 90.0°
Exposed wall 2	5.6 x 2.4 m	23	Orientation = 160.0°
Window in wall 2	4 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	3.7 x 2.4 m	3	Adj Favourites room : Lounge
Internal partition 2	3.4 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 3	1.2 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 4	2.5 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 5	4.3 x 2.4 m	3	Adj Favourites room : Lounge

Project Sap Calcs

Room reference 7 TOILET

Data			Dimensions		Weight	Occupancy		
Zone	Floor	Mult.	Length x Width	Height		In	Out	
1	2	1	2.200 x 2.300 m	2.400	Light	9	18	

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
1	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design				Lighting						
Winter	temp	18.0 °C		Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %	1.0 a/c	level	index	height	dist	C	W	F
Summer	temp	23.0 °C		500	19	0.85	0.00	70	50	20
	%sat	50 %	0.5 a/c	Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	2.3 x 2.4 m	23	Orientation = 270.0° 1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m No heat flow No heat flow No heat flow
Window in wall 1	1.5 x 2.4 m	3	
Internal partition 1	2.2 x 2.4 m	6	
Internal partition 2	2.2 x 2.4 m	3	
Internal partition 3	2.3 x 2.4 m	6	

Project Sap Calcs

Room reference 8 BATH RM

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Length x Width	Height		In	Out
1	2	1	2.600 x 2.200 m	2.400	Light	9	18

Occupants		Gains		Additional gains				
No.	Activity	Lights	% conv	Gain	Sensible	Latent	% conv	
1	Seated at rest	Lights	20.0	70	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00			
		Casual	0.0	75	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00			

Thermal design				Lighting						
Winter	temp	18.0 °C		Illum	Glare	W/plane	Susp	Reflectance		
	%sat	40 %	1.0 a/c	level	index	height	dist	C	W	F
Summer	temp	23.0 °C		500	19	0.85	0.00	70	50	20
	%sat	50 %	0.5 a/c	Lighting control		No control				
				Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	2.6 x 2.4 m	23	Orientation = 270.0°
Window in wall 1	1 x 1.4 m	1	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	2.6 x 2.4 m	3	No heat flow
Internal partition 2	2.2 x 2.4 m	3	No heat flow
Internal partition 3	2.2 x 2.4 m	6	No heat flow