

Project Sap Calcs

Room reference 1 LIV

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	1	1	36.40 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	1	0.0	0.0	75
Furniture	Average, Medium				ON at 1.00 OFF at 24.00		
		Casual	0.0	2	0.0	0.0	75
					ON at 1.00 OFF at 24.00		

Thermal design			Lighting							
Winter	temp	21.0 °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 = 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 1 TOILET

Data			Dimensions		Weight Light	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	1	1	3.30 m ²	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	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 10 BATH RM

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	3	1	3.40 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	1.7 x 2.4 m	23	Orientation = 150.0°
Exposed wall 2	2.1 x 2.4 m	23	Orientation = 220.0°
Internal partition 1	1.8 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 2	1.6 x 2.4 m	6	Adj Favourites room : Bathroom

Project Sap Calcs

Room reference 10 BED 1

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	3	1	11.07 m²	2.400	Light	9	18

No.	Occupants Activity		Gains		Additional gains				
			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 Adj Favourites room : Bedroom Adj Favourites room : Bedroom Adj Favourites room : Bedroom
Window in wall 1	2.5 x 2.4 m	3	
Internal partition 1	2.7 x 2.4 m	6	
Internal partition 2	4.2 x 2.4 m	6	
Internal partition 3	4.2 x 2.4 m	6	

Project Sap Calcs

Room reference 10 BED 2

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	3	1	10.48 m ²	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	20.0 °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	3.8 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 x 2.4 m	23	Orientation = 90.0°
Window in wall 2	1.9 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	3.3 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 2	4 x 2.4 m	3	Adj Favourites room : Bedroom

Project Sap Calcs

Room reference 10 BED 3

Data			Dimensions				Occupancy			
Zone	Floor	Mult.	Floor area	Height	Weight	In	Out			
1	3	1	10.74 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 x 2.4 m	23	Orientation = 150.0°
Exposed wall 2	2 x 2.4 m	23	Orientation = 70.0°
Exposed wall 3	1.7 x 2.4 m	23	Orientation = 0.0°
Window in wall 3	1.5 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	2.1 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 2	1.5 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 3	1.7 x 2.4 m	6	Adj Favourites room : Bedroom

Project Sap Calcs

Room reference 10 BTH 2

Data			Dimensions		Weight	Occupancy			
Zone	Floor	Mult.	Length x Width	Height		In	Out		
1	3	1	2.700 x 1.700 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			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	2.7 x 2.4 m	23	Orientation = 90.0° 1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m Orientation = 180.0° Adj Favourites room : Bathroom Adj Favourites room : Bathroom
Window in wall 1	.9 x 2.4 m	3	
Exposed wall 2	1.7 x 2.4 m	23	
Internal partition 1	2.7 x 2.4 m	3	
Internal partition 2	1.7 x 2.4 m	6	

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	6.5 x 2.4 m	23	Orientation = 180.0°
Window in wall 1	.7 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
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	2.3 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 10 LIV

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	3	1	25.73 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
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 %	level	index	height	dist	C	W
Summer	temp	23.0 °C	500	19	0.85	0.00	70	50
	%sat	50 %					20	

		Thermal design		Lighting control	
		1.0 a/c		Daylight factors	
		0.5 a/c			

Surface	Dimensions	Type	Surface data
Exposed wall 1	4.5 x 2.4 m	23	Orientation = 30.0°
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	2.3 x 2.4 m	23	Orientation = 90.0°
Window in wall 2	2.2 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	4 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 2	4 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 3	7 x 2.4 m	3	Adj Favourites room : Lounge

Project Sap Calcs

Room reference 11 BED

Data			Dimensions		Weight	Occupancy			
Zone	Floor	Mult.	Floor area	Height		In	Out		
1	3	1	15.62 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	20.0 °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	3.8 x 2.4 m	23	Orientation = 150.0° 1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m Orientation = 270.0° Adj Favourites room : Bedroom Adj Favourites room : Bedroom
Window in wall 1	2.7 x 2.4 m	3	
Exposed wall 2	4.8 x 2.4 m	23	
Internal partition 1	3.7 x 2.4 m	6	
Internal partition 2	3.7 x 2.4 m	6	

Project Sap Calcs

Room reference 11 LIV

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	3	1	26.33 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	21.0 °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	5.5 x 2.4 m	23	Orientation = 150.0° 1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m Orientation = 90.0° Adj Favourites room : Lounge Adj Favourites room : Lounge Adj Favourites room : Lounge Adj Favourites room : Lounge Adj Favourites room : Lounge Adj Favourites room : Lounge
Window in wall 1	4 x 2.4 m	3	
Exposed wall 2	.6 x 2.4 m	23	
Internal partition 1	3.7 x 2.4 m	3	
Internal partition 2	4.3 x 2.4 m	3	
Internal partition 3	1.3 x 2.4 m	6	
Internal partition 4	1 x 2.4 m	6	
Internal partition 5	1 x 2.4 m	6	
Internal partition 6	3.6 x 2.4 m	6	

Project Sap Calcs

Room reference 12 BATH RM

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Length x Width	Height		In	Out
1	3	1	2.400 x 2.400 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	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	2.4 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	2.4 x 2.4 m	6	
Internal partition 2	2.4 x 2.4 m	6	
Internal partition 3	2.4 x 2.4 m	6	

Project Sap Calcs

Room reference 12 BED 1

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	3	1	18.85 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	2.7 x 2.4 m	23	Orientation = 0.0°
Window in wall 1	2.5 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	5.5 x 2.4 m	3	Adj Favourites room : Bedroom
Internal partition 2	3.2 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 3	3.1 x 2.4 m	6	No heat flow
Internal partition 4	2.4 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 5	1.5 x 2.4 m	6	Adj Favourites room : Bedroom

Project Sap Calcs

Room reference 12 BTH RM

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Length x Width	Height		In	Out
1	3	1	2.100 x 1.700 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	20.0 °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	2.1 x 2.4 m	23	Orientation = 270.0°
Internal partition 1	2.1 x 2.4 m	6	Adj Favourites room : Bathroom
Internal partition 2	1.7 x 2.4 m	6	Adj Favourites room : Bathroom
Internal partition 3	1.7 x 2.4 m	3	Adj Favourites room : Bathroom

Project Sap Calcs

Room reference 12 HALL

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	3	1	4.49 m²	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	20.0 °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	1 x 2.4 m	23	Orientation = 180.0°
Internal partition 1	3.2 x 2.4 m	6	Adj Favourites room : Circulation area
Internal partition 2	1.4 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	2 x 2.4 m	6	Adj Favourites room : Circulation area

Project Sap Calcs

Room reference 12 LIV

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Floor area	Height		In	Out
1	3	1	35.52 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	1	0.0	0.0	75
Furniture	Average, Medium	Casual	0.0	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	%sat		Illum level	Glare index	W/plane height	Susp dist	Reflectance		
	20.0 °C	40 %	1.0 a/c	500	19	0.85	0.00	70	50	20
Summer	temp	%sat		Lighting control		No control				
	23.0 °C	50 %	0.5 a/c	Daylight factors						

Surface	Dimensions	Type	Surface data
Exposed wall 1	4.4 x 2.4 m	23	Orientation = 220.0°
Exposed wall 2	5.3 x 2.4 m	23	Orientation = 180.0°
Exposed wall 3	1 x 2.4 m	23	Orientation = 160.0°
Exposed wall 4	5.3 x 2.4 m	23	Orientation = 310.0°
Window in wall 4	4.9 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 5	2.1 x 2.4 m	23	Orientation = 230.0°
Exposed wall 6	4.7 x 2.4 m	23	Orientation = 320.0°
Window in wall 6	1.9 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Exposed wall 7	2.2 x 2.4 m	23	Orientation = 90.0°
Window in wall 7	2 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	1.6 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 2	2.4 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 3	3.2 x 2.4 m	6	Adj Favourites room : Lounge
Internal partition 4	1.5 x 2.4 m	6	Adj Favourites room : Lounge

Project Sap Calcs

Room reference 13 BED 1

Data			Dimensions		Weight	Occupancy		
Zone	Floor	Mult.	Floor area	Height		In	Out	
1	4	1	24.33 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	20.0 °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	3 x 2.4 m	1	Orientation = 30.0°
Window in wall 1	3 x 2.4 m	3	1 off, O/hang=0.00 Dist=0.00, Recess=0.00 m
Internal partition 1	5.1 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 2	4.5 x 2.4 m	3	Adj Favourites room : Bedroom
Internal partition 3	3 x 2.4 m	6	Adj Favourites room : Bedroom

Project Sap Calcs

Room reference 13 BED 2

Data			Dimensions		Weight	Occupancy					
Zone	Floor	Mult.	Floor area	Height		In	Out				
1	4	1	14.55 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	20.0 °C			Illum level	Glare index	W/plane height	Susp dist	Reflectance		
	%sat	40 %	1.0 a/c		500	19	0.85	0.00	70	50	20
Summer	temp	23.0 °C			Lighting control		No control				
	%sat	50 %	0.5 a/c		Daylight factors		-				

Surface	Dimensions	Type	Surface data
Exposed wall 1	3.5 x 2.4 m	1	Orientation = 30.0°
Window in wall 1	3.5 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 : Bedroom
Internal partition 2	6.8 x 2.4 m	6	Adj Favourites room : Bedroom
Internal partition 3	3.5 x 2.4 m	3	Adj Favourites room : Bedroom

Project Sap Calcs

Room reference 13 BED 3

Data			Dimensions		Weight	Occupancy	
Zone	Floor	Mult.	Length x Width	Height		In	Out
1	4	1	3.910 x 3.910 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
Internal floor 1	15.26 m ²	1	No heat flow
Internal ceiling 1	15.26 m ²	1	No heat flow
Internal partition 1	3.91 x 2.4 m	1	No heat flow
Internal partition 2	3.91 x 2.4 m	1	No heat flow
Internal partition 3	3.91 x 2.4 m	1	No heat flow
Internal partition 4	3.91 x 2.4 m	1	No heat flow

Project Sap Calcs

Room reference 13 BTH 1

Data			Dimensions		Weight	Occupancy			
Zone	Floor	Mult.	Floor area	Height		In	Out		
1	4	1	4.59 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			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	2.7 x 2.4 m	3	Orientation = 180.0° 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	1.7 x 2.4 m	6	
Internal partition 2	1.7 x 2.4 m	3	
Internal partition 3	1.7 x 2.4 m	3	