

# Space Input Data

## 01 SECRETARIA/RECEPÇÃO

### 1. General Details:

Floor Area ..... **10.0** m<sup>2</sup>  
 Avg. Ceiling Height ..... **2.7** m  
 Building Weight ..... **341.8** kg/m<sup>2</sup>

#### 1.1. OA Ventilation Requirements:

Space Usage ..... **User-Defined**  
 OA Requirement 1 ..... **5.0** L/s/person  
 OA Requirement 2 ..... **0.60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults **ASHRAE Standard 62.1-2016**

### 2. Internals:

#### 2.1. Overhead Lighting:

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **15.00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1.00**  
 Schedule ..... **90.1 Escola Luzes/Elec**

#### 2.2. Task Lighting:

Wattage ..... **0.00** W/m<sup>2</sup>  
 Schedule ..... **None**

#### 2.3. Electrical Equipment:

Wattage ..... **10.76** W/m<sup>2</sup>  
 Schedule ..... **90.1 Escola Luzes/Elec**

### 3. Walls, Windows, Doors:

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	6.9	0	0	0
W	9.2	1	0	0
S	6.9	0	0	0

#### 3.1. Construction Types for Exposure N

Wall Type ..... **Parede R05 Interna R01 Externa**

#### 3.2. Construction Types for Exposure W

Wall Type ..... **Parede R05 Interna R01 Externa**  
 1st Window Type ..... **GUARITA**

#### 3.3. Construction Types for Exposure S

Wall Type ..... **Parede R05 Interna R01 Externa**

### 4. Roofs, Skylights:

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	10.0	0	0

#### 4.1. Construction Types for Exposure H

Roof Type ..... **T01 Concreto aparente Teto Verde**

### 5. Infiltration:

Design Cooling ..... **0.00** L/s  
 Design Heating ..... **0.00** L/s  
 Energy Analysis ..... **0.00** L/s  
*Infiltration occurs only when the fan is off.*

### 6. Floors:

Type ..... **Slab Floor On Grade**  
 Floor Area ..... **6.3** m<sup>2</sup>  
 Total Floor U-Value ..... **0.568** W/(m<sup>2</sup>·K)  
 Exposed Perimeter ..... **9.6** m  
 Edge Insulation R-Value ..... **0.00** (m<sup>2</sup>·K)/W

### 7. Partitions:

**(No partition data).**

# Space Input Data

## 04 ESTUDIO

### 1. General Details:

Floor Area ..... **6.3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **2.7** m  
 Building Weight ..... **341.8** kg/m<sup>2</sup>

### 1.1. OA Ventilation Requirements:

Space Usage ..... **User-Defined**  
 OA Requirement 1 ..... **5.0** L/s/person  
 OA Requirement 2 ..... **0.60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults **ASHRAE Standard 62.1-2016**

### 2. Internals:

#### 2.1. Overhead Lighting:

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **15.00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1.00**  
 Schedule ..... **90.1 Escola Luzes/Elec**

#### 2.2. Task Lighting:

Wattage ..... **0.00** W/m<sup>2</sup>  
 Schedule ..... **None**

#### 2.3. Electrical Equipment:

Wattage ..... **10.76** W/m<sup>2</sup>  
 Schedule ..... **90.1 Escola Luzes/Elec**

### 3. Walls, Windows, Doors:

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	6.9	0	0	0
W	6.8	0	0	0

#### 3.1. Construction Types for Exposure S

Wall Type ..... **Parede R05 Interna R01 Externa**

#### 3.2. Construction Types for Exposure W

Wall Type ..... **Parede R05 Interna R01 Externa**

### 4. Roofs, Skylights:

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	6.3	0	0

#### 4.1. Construction Types for Exposure H

Roof Type ..... **T01 Concreto aparente Teto Verde**

### 5. Infiltration:

Design Cooling ..... **0.00** L/s  
 Design Heating ..... **0.00** L/s  
 Energy Analysis ..... **0.00** L/s  
 Infiltration occurs only when the fan is off.

### 6. Floors:

Type ..... **Slab Floor On Grade**  
 Floor Area ..... **6.3** m<sup>2</sup>  
 Total Floor U-Value ..... **0.568** W/(m<sup>2</sup>·K)  
 Exposed Perimeter ..... **5.6** m  
 Edge Insulation R-Value ..... **0.00** (m<sup>2</sup>·K)/W

### 7. Partitions:

**(No partition data).**

#### 2.4. People:

Occupancy ..... **2.0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71.8** W/person  
 Latent ..... **60.1** W/person  
 Schedule ..... **90.1 Auditório Ocupação**

#### 2.5. Miscellaneous Loads:

Sensible ..... **0** W  
 Schedule ..... **None**  
 Latent ..... **0** W  
 Schedule ..... **None**

# Space Input Data

## 11 BIBLIOTECA

### 1. General Details:

Floor Area ..... **55.6** m<sup>2</sup>  
 Avg. Ceiling Height ..... **2.7** m  
 Building Weight ..... **341.8** kg/m<sup>2</sup>

### 1.1. OA Ventilation Requirements:

Space Usage ..... **User-Defined**  
 OA Requirement 1 ..... **5.0** L/s/person  
 OA Requirement 2 ..... **0.60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults **ASHRAE Standard 62.1-2016**

### 2. Internals:

#### 2.1. Overhead Lighting:

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **15.00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1.00**  
 Schedule ..... **90.1 Escola Luzes/Elec**

#### 2.2. Task Lighting:

Wattage ..... **0.00** W/m<sup>2</sup>  
 Schedule ..... **None**

#### 2.3. Electrical Equipment:

Wattage ..... **10.76** W/m<sup>2</sup>  
 Schedule ..... **90.1 Escola Luzes/Elec**

### 3. Walls, Windows, Doors:

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	29.3	0	0	0
E	14.4	1	0	0
W	14.4	1	0	0
S	29.3	1	1	0

#### 3.1. Construction Types for Exposure N

Wall Type ..... **Parede R05 Interna R01 Externa**

#### 3.2. Construction Types for Exposure E

Wall Type ..... **Parede R05 Interna R01 Externa**  
 1st Window Type ..... **JA03**

#### 3.3. Construction Types for Exposure W

Wall Type ..... **Parede R05 Interna R01 Externa**  
 1st Window Type ..... **PA02**  
 1st Window Shade Type ..... **Sombra Interna**

#### 3.4. Construction Types for Exposure S

Wall Type ..... **Parede R05 Interna R01 Externa**  
 1st Window Type ..... **PA01**  
 1st Window Shade Type ..... **Sombra Interna**  
 2nd Window Type ..... **JA01**  
 2nd Window Shade Type ..... **Sombra Interna**

### 4. Roofs, Skylights:

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	31.2	0	0

#### 4.1. Construction Types for Exposure H

Roof Type ..... **T01 Concreto aparente Teto Verde**

### 5. Infiltration:

Design Cooling ..... **0.00** L/s  
 Design Heating ..... **0.00** L/s  
 Energy Analysis ..... **0.00** L/s  
 Infiltration occurs only when the fan is off.

#### 2.4. People:

Occupancy ..... **15.0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71.8** W/person  
 Latent ..... **60.1** W/person  
 Schedule ..... **90.1 Auditório Ocupação**

#### 2.5. Miscellaneous Loads:

Sensible ..... **0** W  
 Schedule ..... **None**  
 Latent ..... **0** W  
 Schedule ..... **None**

## Space Input Data

Ministério da Cultura - MÓDULO OBRIGATÓRIO EDIFICADO  
Carvalho

07/20/2024  
09:27

### 6. Floors:

Type .....	<b>Slab Floor On Grade</b>	
Floor Area .....	<b>31.2</b>	m <sup>2</sup>
Total Floor U-Value .....	<b>0.568</b>	W/(m <sup>2</sup> ·K)
Exposed Perimeter .....	<b>17.1</b>	m
Edge Insulation R-Value .....	<b>0.00</b>	(m <sup>2</sup> ·K)/W

### 7. Partitions:

**(No partition data).**

# Space Input Data

Ministério da Cultura - MÓDULO OBRIGATÓRIO EDIFICADO  
Carvalho

07/20/2024  
09:27

## 13 INCUBADORA CULTURAL

### 1. General Details:

Floor Area ..... **24.8** m<sup>2</sup>  
Avg. Ceiling Height ..... **2.7** m  
Building Weight ..... **341.8** kg/m<sup>2</sup>

### 1.1. OA Ventilation Requirements:

Space Usage ..... **User-Defined**  
OA Requirement 1 ..... **5.0** L/s/person  
OA Requirement 2 ..... **0.60** L/(s·m<sup>2</sup>)  
Space Usage Defaults **ASHRAE Standard 62.1-2016**

### 2. Internals:

#### 2.1. Overhead Lighting:

Fixture Type ..... **Recessed (Unvented)**  
Wattage ..... **15.00** W/m<sup>2</sup>  
Ballast Multiplier ..... **1.00**  
Schedule ..... **90.1 Escola Luzes/Elec**

#### 2.2. Task Lighting:

Wattage ..... **0.00** W/m<sup>2</sup>  
Schedule ..... **None**

#### 2.3. Electrical Equipment:

Wattage ..... **10.76** W/m<sup>2</sup>  
Schedule ..... **90.1 Escola Luzes/Elec**

### 3. Walls, Windows, Doors:

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	12.4	1	0	0
W	14.4	0	0	0
S	12.4	1	0	0

#### 3.1. Construction Types for Exposure N

Wall Type ..... **Parede R05 Interna R01 Externa**  
1st Window Type ..... **PA03**  
1st Window Shade Type ..... **Sombra Interna**

#### 3.2. Construction Types for Exposure W

Wall Type ..... **Parede R05 Interna R01 Externa**

#### 3.3. Construction Types for Exposure S

Wall Type ..... **Parede R05 Interna R01 Externa**  
1st Window Type ..... **PA03**

### 4. Roofs, Skylights:

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	24.8	0	0

#### 4.1. Construction Types for Exposure H

Roof Type ..... **T01 Concreto aparente Teto Verde**

### 5. Infiltration:

Design Cooling ..... **0.00** L/s  
Design Heating ..... **0.00** L/s  
Energy Analysis ..... **0.00** L/s  
*Infiltration occurs only when the fan is off.*

### 6. Floors:

Type ..... **Slab Floor On Grade**  
Floor Area ..... **24.8** m<sup>2</sup>  
Total Floor U-Value ..... **0.568** W/(m<sup>2</sup>·K)  
Exposed Perimeter ..... **14.4** m  
Edge Insulation R-Value ..... **0.00** (m<sup>2</sup>·K)/W

### 7. Partitions:

**(No partition data).**

### 2.4. People:

Occupancy ..... **7.0** People  
Activity Level ..... **Office Work**  
Sensible ..... **71.8** W/person  
Latent ..... **60.1** W/person  
Schedule ..... **90.1 Auditório Ocupação**

### 2.5. Miscellaneous Loads:

Sensible ..... **0** W  
Schedule ..... **None**  
Latent ..... **0** W  
Schedule ..... **None**

# Space Input Data

## 14 SALA MULTIUSO

### 1. General Details:

Floor Area ..... **31.2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **2.7** m  
 Building Weight ..... **341.8** kg/m<sup>2</sup>

### 1.1. OA Ventilation Requirements:

Space Usage ..... **User-Defined**  
 OA Requirement 1 ..... **5.0** L/s/person  
 OA Requirement 2 ..... **0.60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults **ASHRAE Standard 62.1-2016**

### 2. Internals:

#### 2.1. Overhead Lighting:

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **15.00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1.00**  
 Schedule ..... **90.1 Escola Luzes/Elec**

#### 2.2. Task Lighting:

Wattage ..... **0.00** W/m<sup>2</sup>  
 Schedule ..... **None**

#### 2.3. Electrical Equipment:

Wattage ..... **10.76** W/m<sup>2</sup>  
 Schedule ..... **90.1 Escola Luzes/Elec**

### 3. Walls, Windows, Doors:

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	16.0	1	0	0
E	14.4	1	0	0
S	16.0	1	0	0

#### 3.1. Construction Types for Exposure N

Wall Type ..... **Parede R05 Interna R01 Externa**  
 1st Window Type ..... **PA03**  
 1st Window Shade Type ..... **Sombra Interna**

#### 3.2. Construction Types for Exposure E

Wall Type ..... **Parede R05 Interna R01 Externa**  
 1st Window Type ..... **JA03**

#### 3.3. Construction Types for Exposure S

Wall Type ..... **Parede R05 Interna R01 Externa**  
 1st Window Type ..... **PA03**

### 4. Roofs, Skylights:

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	31.2	0	0

#### 4.1. Construction Types for Exposure H

Roof Type ..... **T01 Concreto aparente Teto Verde**

### 5. Infiltration:

Design Cooling ..... **0.00** L/s  
 Design Heating ..... **0.00** L/s  
 Energy Analysis ..... **0.00** L/s  
*Infiltration occurs only when the fan is off.*

### 6. Floors:

Type ..... **Slab Floor On Grade**  
 Floor Area ..... **31.2** m<sup>2</sup>  
 Total Floor U-Value ..... **0.568** W/(m<sup>2</sup>·K)  
 Exposed Perimeter ..... **17.1** m  
 Edge Insulation R-Value ..... **0.00** (m<sup>2</sup>·K)/W

### 7. Partitions:

**(No partition data).**

#### 2.4. People:

Occupancy ..... **7.0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71.8** W/person  
 Latent ..... **60.1** W/person  
 Schedule ..... **90.1 Auditório Ocupação**

#### 2.5. Miscellaneous Loads:

Sensible ..... **0** W  
 Schedule ..... **None**  
 Latent ..... **0** W  
 Schedule ..... **None**