

UFG Campus Cidade Ocidental

Memória de Cálculo de Carga Térmica (Ar Condicionado)

REALIZAÇÃO:



**FPM**  
E N G E N H A R I A

FPM ENGENHARIA LTDA  
AVENIDA DO CAFÉ, 390,  
SETOR SANTA GENOVEVA  
GOIÂNIA-GO CEP: 74672-620

COORDENAÇÃO



INTELIGÊNCIA  
EM PROJETOS

EMPREENDIMENTO - OBRA:



ENDEREÇO: GLEBA 2-A, AVENIDA F, FAZENDA SAIA VELHA,  
CIDADE OCIDENTAL, GOIÂNIA-GO.

PROPRIETÁRIO: UNIVERSIDADE FEDERAL DE GOIÁS  
CNPJ: 01.567.601/0001-43

ÁREA DO TERRENO: 500.592,58 m<sup>2</sup>  
ÁREA TOTAL CONSTRUÍDA: 7.576,61 m<sup>2</sup>

PROJETO ARQUITETÔNICO:

PROJETO:

**UFG - CAMPUS CIDADE OCIDENTAL**

DISCIPLINA:

**CLI - Climatização**

FASE:

**EXECUTIVO**

**FPM Engenharia Ltda.**

**15/08/2025**

**Correspondente à: EXE – R01**



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## 1 Objetivo

Este texto tem como objetivo apresentar os parâmetros para cálculo de carga térmica para instalação do sistema de Ar-Condicionado do **Campus – Cidade Ocidental**, da **UFG** – Universidade Federal do Estado de Goiás, localizado na Gleba 2-A, Avenida F, Fazenda Saia Velha, Cidade Ocidental - GO.

## 2 GENERALIDADES

### 2.1 Referências Gerais

#### 2.1.1 Normas Técnicas

Para o projeto, fabricação, montagem e ensaios dos equipamentos e acessórios principais da instalação de climatização, bem como em toda a terminologia adotada, serão seguidas as prescrições das publicações da ABNT - Associação Brasileira de Normas Técnicas.

NBR 16401-1 (2024) - Instalações de ar-condicionado - Sistema centrais e unitários - Parte 1- Projetos das instalações

NBR 16401-2 (2024) - Instalações de ar-condicionado - Sistema centrais e unitários - Parte 2- Parâmetros de conforto térmico

NBR 16401-3 (2008) - Instalações de ar-condicionado - Sistema centrais e unitários - Parte 3- Qualidade do ar interior (Utilizada norma anterior em função da suspensão da parte 3 da norma)

Estas normas serão complementadas por normas emitidas por uma ou mais das seguintes entidades:

ANSI - "American National Standards Institute";  
ARI - "Air Conditioning and Refrigerating Institute";  
ASHRAE - "American Society of Heating, Refrigerating and Air Conditioning Engineers";  
ASME - "American Society of Mechanical Engineers";  
NEC - "National Electrical Code";  
NFPA - "National Fire Protection Association";  
SMACNA - "Sheet Metal and Air Conditioning Contractor National Association";  
NEBB - "National Environmental Balancing Bureau".

#### 2.1.2 Premissas de Cálculo

Foram utilizados no cálculo e no projeto do sistema de ar condicionado, os parâmetros e condições operacionais abaixo relacionadas:

##### 2.1.2.1 Condições Externas

Local:	Cidade Ocidental – GO
Latitude:	- 15,9°
Longitude:	47,9°
Altitude:	1061 m
Temperatura de Bulbo Seco	34,3 °C
Temperatura de Bulbo Úmido Coincidente	23,6 °C

##### 2.1.2.2 Condições Internas:

Temperatura Interna de Bulbo Seco	23,0 °C + ou – 2°C
Umidade Relativa	50% + ou – 20% (sem controle)

##### 2.1.2.3 Taxas de Iluminação:

- Escritórios 16 W/m<sup>2</sup>

**2.1.2.4 Taxas de Dissipação de Equipamentos:**

- Laboratórios de Informática 22 W/m<sup>2</sup>
- Salas de Aula / Escritórios 15 W/m<sup>2</sup>

**2.1.2.5 Taxas de Ocupação**

- Conforme Layout

**2.1.2.6 Taxas de Renovação de Ar para Ambientes Condicionados**

A taxa de renovação de ar é a soma da vazão resultante da quantidade de pessoas presentes no ambiente e da área condicionada, conforme a tabela 1 da norma ABNT – NBR 16401-3 (Nível 1).

### 3 CARGA TÉRMICA

#### 3.1 Dados da Cidade (Local da Obra)

##### Design Parameters:

City Name	Cidade Ocidental	
Location	Brazil	
Latitude	-15,9	Deg.
Longitude	47,9	Deg.
Elevation	1060,7	m
Summer Design Dry-Bulb	34,3	°C
Summer Coincident Wet-Bulb	23,6	°C
Summer Daily Range	13,0	K
Winter Design Dry-Bulb	8,9	°C
Winter Design Wet-Bulb	4,3	°C
Atmospheric Clearness Number	1,00	
Average Ground Reflectance	0,20	
Soil Conductivity	1,385	W/(m K)
Local Time Zone (GMT +/- N hours)	3,0	hours
Consider Daylight Savings Time	Não	
Simulation Weather Data	(IWC)	
Design Cooling Months	January to December	

##### Design Day Maximum Solar Heat Gains

(The MSHG values are expressed in W/m<sup>2</sup> )

Month	N	NNE	NE	ENE	E	ESE	SE	SSE	S
January	149,7	162,8	406,4	628,7	752,0	764,2	662,8	461,1	189,3
February	169,5	280,6	514,6	688,4	759,8	716,7	567,1	321,9	140,9
March	299,6	437,6	614,9	733,1	739,8	633,7	428,9	170,9	117,7
April	465,1	564,2	673,7	725,5	665,3	503,2	266,5	99,1	99,1
May	559,3	626,6	696,6	695,1	595,5	402,1	158,8	86,0	86,0
June	589,3	643,0	702,3	672,1	562,8	362,9	113,4	79,9	79,9
July	558,8	621,1	695,7	681,0	586,3	398,8	141,2	83,0	83,0
August	463,3	560,2	668,3	718,6	657,4	494,6	255,9	92,5	92,5
September	281,8	422,7	612,0	720,7	719,5	608,6	430,0	170,0	107,1
October	157,1	269,6	516,6	676,1	733,6	698,7	556,7	322,4	128,1
November	142,0	158,3	402,5	616,9	731,7	745,3	649,2	455,0	181,5
December	145,9	147,5	355,6	593,9	734,0	766,4	685,5	502,1	237,8
Month	SSW	SW	WSW	W	WNW	NW	NNW	HOR	Mult
January	464,7	664,3	764,3	749,7	623,4	399,8	161,7	992,0	1,00
February	326,7	569,0	716,5	757,0	683,1	513,9	279,4	972,9	1,00
March	167,6	440,8	634,3	730,3	717,6	624,0	431,8	915,4	1,00
April	99,1	278,9	499,7	650,3	723,0	684,8	565,4	797,7	1,00
May	86,0	164,9	393,8	587,7	698,1	700,3	630,0	695,9	1,00
June	79,9	121,8	357,4	552,7	680,3	702,1	648,8	651,1	1,00
July	83,0	154,0	397,0	568,6	686,8	698,8	626,8	682,7	1,00
August	92,5	267,7	497,5	640,2	712,1	680,5	561,0	777,4	1,00
September	168,0	434,6	618,6	711,4	716,4	612,6	421,3	886,3	1,00
October	321,3	548,7	692,5	743,0	681,7	517,6	271,7	949,6	1,00
November	453,1	645,5	742,9	735,2	619,3	403,6	158,4	977,2	1,00
December	507,3	688,3	767,1	730,2	584,3	347,5	147,5	986,5	1,00

Mult. = User-defined solar multiplier factor.

#### 3.2 Dados das paredes

**PAREDE EXTERNA 15CM****Wall Details**

Outside Surface Color **Medium**  
 Absorptivity **0,675**  
 Overall U-Value **2,589** W/(m<sup>2</sup>·K)

**Wall Layers Details (Inside to Outside)**

Layers	Thickness mm	Density kg/m <sup>3</sup>	Specific Ht. kJ / (kg K)	R-Value (m <sup>2</sup> ·K)/W	Weight kg/m <sup>2</sup>
Inside surface resistance	0,000	0,0	0,00	0,12064	0,0
ACABAMENTO INTERNO	15,000	1858,1	0,84	0,02078	27,9
BLOCO CERÂMICO 19CM	95,000	1922,2	0,84	0,13069	182,6
ACABAMENTO EXTERNO	40,000	1858,1	0,84	0,05542	74,3
Outside surface resistance	0,000	0,0	0,00	0,05864	0,0
<b>Totals</b>	<b>150,000</b>	<b>-</b>		<b>0,38617</b>	<b>284,8</b>

**PAREDE INTERNA 6CM****Wall Details**

Outside Surface Color **Medium**  
 Absorptivity **0,675**  
 Overall U-Value **3,815** W/(m<sup>2</sup>·K)

**Wall Layers Details (Inside to Outside)**

Layers	Thickness mm	Density kg/m <sup>3</sup>	Specific Ht. kJ / (kg K)	R-Value (m <sup>2</sup> ·K)/W	Weight kg/m <sup>2</sup>
Inside surface resistance	0,000	0,0	0,00	0,12064	0,0
ACABAMENTO INTERNO	15,000	1858,1	0,84	0,02078	27,9
BLOCO CERÂMICO 19CM	30,000	1922,2	0,84	0,04127	57,7
ACABAMENTO INTERNO	15,000	1858,1	0,84	0,02078	27,9
Outside surface resistance	0,000	0,0	0,00	0,05864	0,0
<b>Totals</b>	<b>60,000</b>	<b>-</b>		<b>0,26211</b>	<b>113,4</b>

**3.3 Dados dos Vidros****Window Details:**

Detailed Input **Sim**  
 Height **1,90** m  
 Width **2,00** m  
 Frame Type **Aluminum without thermal breaks**  
 Internal Shade Type **None**  
 Overall U-Value **6,884** W/(m<sup>2</sup>·K)  
 Overall Shade Coefficient **0,880**

**3.4 Dados da Cobertura****LAJE + TELHA METÁLICA****Roof Details**

Outside Surface Color **Medium**  
 Absorptivity **0,675**  
 Overall U-Value **1,080** W/(m<sup>2</sup>·K)

**Roof Layers Details (Inside to Outside)**

Layers	Thickness mm	Density kg/m <sup>3</sup>	Specific Ht. kJ / (kg K)	R-Value (m <sup>2</sup> ·K)/W	Weight kg/m <sup>2</sup>
Inside surface resistance	0,000	0,0	0,00	0,12064	0,0



102mm HW concrete block	50,000	977,1	0,84	0,06147	48,9
203mm LW concrete block	300,000	608,7	0,84	0,52526	182,6
Air space	0,000	0,0	0,00	0,16026	0,0
22 gage steel deck	0,853	7833,0	0,50	0,00002	6,7
Outside surface resistance	0,000	0,0	0,00	0,05864	0,0
<b>Totals</b>	<b>350,854</b>	<b>-</b>		<b>0,92629</b>	<b>238,2</b>

### 3.5 Dados de Entrada dos Ambientes:

#### TE\*-ESCRITÓRIO

##### 1. General Details:

Floor Area ..... **6,6** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

##### 1.1. OA Ventilation Requirements:

Space Usage ..... **User-Defined**  
 OA Requirement 1 ..... **143,5** L/s  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

##### 2. Internals:

##### 2.1. Overhead Lighting:

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

##### 2.2. Task Lighting:

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

##### 2.3. Electrical Equipment:

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

##### 3. Walls, Windows, Doors:

**(No Wall, Window, Door data).**

##### 4. Roofs, Skylights:

**(No Roof or Skylight data).**

##### 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. Partitions:

##### 6.1. 1st Partition Details:

Partition Type ..... **Wall Partition**  
 Area ..... **37,3** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

##### 2.4. People:

Occupancy ..... **1,0** Person  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

##### 2.5. Miscellaneous Loads:

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

##### 6.2. 2nd Partition Details:

**(No partition data).**

**TE-ADM****1. General Details:**

Floor Area ..... **22,0** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	15,1	1	0	0
N	15,1	0	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J51**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**3.2. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **26,2** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **9,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-AUDITÓRIO****1. General Details:**

Floor Area ..... **250,9** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,5** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **PUBLIC ASSEMBLY: Auditorium**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **26,20** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **180,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	117,0	0	0	0
N	117,0	0	0	0
W	45,0	0	0	0
E	45,0	0	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.2. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.3. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.4. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:**

**(No partition data).**

**TE-COORD.ADM.****1. General Details:**

Floor Area ..... **12,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	14,6	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J51**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **30,4** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **7,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-COPA ALUNOS****1. General Details:**

Floor Area ..... **12,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ... **FOOD SERVICE: Cafeteria/fast food**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,90** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	7,1	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J52**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **32,4** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-COPA SERV. TERC.****1. General Details:**

Floor Area ..... **36,7** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ... **FOOD SERVICE: Cafeteria/fast food**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,90** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **17,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	14,8	1	0	0
E	21,6	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J51**  
 1st Window Shade Type ..... **LAJE TÉCNICA-ESQ**

**3.2. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **37,3** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-COPA SERVIDORES****1. General Details:**

Floor Area ..... **29,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ... **FOOD SERVICE: Cafeteria/fast food**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,90** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	23,3	1	0	0
E	5,3	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J54**

**3.2. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **46,2** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **18,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-DIGITAL 02****1. General Details:**

Floor Area ..... **70,4** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	28,9	1	1	0
W	22,1	0	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J51**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**  
 2nd Window Type ..... **J51**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-ESQ**

**3.2. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **22,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **15,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**



**TE-DIREÇÃO****1. General Details:**

Floor Area ..... **21,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	14,6	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J51**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **40,8** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **9,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-DORMITÓRIOS****1. General Details:**

Floor Area ..... **19,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **HOTEL: Bedroom/living room**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **4,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	14,6	0	0	0
W	10,4	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.2. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J52**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **37,3** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-01****1. General Details:**

Floor Area ..... **14,5** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	11,1	1	0	0
W	12,6	0	0	0
S	6,8	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**  
 1st Window Shade Type ..... **LAJE TÉCNICA-DIR**

**3.2. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.3. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J52**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **16,9** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-02****1. General Details:**

Floor Area ..... **14,5** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	10,5	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-03****1. General Details:**

Floor Area ..... **13,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	8,4	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **33,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-04****1. General Details:**

Floor Area ..... **13,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	10,7	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,9** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-05****1. General Details:**

Floor Area ..... **13,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	10,5	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-06****1. General Details:**

Floor Area ..... **13,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	8,2	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **33,4** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**



**TE-GABINETE-PROF-07****1. General Details:**

Floor Area ..... **13,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	10,7	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,9** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-08****1. General Details:**

Floor Area ..... **13,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	10,5	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-09****1. General Details:**

Floor Area ..... **14,5** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	11,1	1	0	0
W	12,6	0	0	0
N	6,8	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**

**3.2. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.3. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J52**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **16,9** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-10****1. General Details:**

Floor Area ..... **14,5** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	10,5	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-11****1. General Details:**

Floor Area ..... **13,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	10,5	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **6,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-12****1. General Details:**

Floor Area ..... **13,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	10,5	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,5** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **6,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-13****1. General Details:**

Floor Area ..... **13,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	10,5	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-GABINETE-PROF-14****1. General Details:**

Floor Area ..... **13,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	10,1	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,2** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**



**TE-GABINETE-PROF-15****1. General Details:**

Floor Area ..... **13,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	10,5	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **35,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-REUNIÕES 01****1. General Details:**

Floor Area ..... **69,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **PUBLIC ASSEMBLY: Auditorium**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	30,2	1	0	0
E	1,8	0	0	0
W	10,2	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J67**

**3.2. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.3. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **65,9** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-REUNIÕES 02****1. General Details:**

Floor Area ..... **72,0** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **PUBLIC ASSEMBLY: Auditorium**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	29,6	2	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J51**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **73,7** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **47,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-REUNIÕES 03****1. General Details:**

Floor Area ..... **27,0** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **15,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	13,2	1	0	0
N	8,7	0	0	0
E	5,9	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J51**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**3.2. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.3. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J52**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **33,7** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-SECRETARIA****1. General Details:**

Floor Area ..... **93,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	28,9	1	1	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J51**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**  
 2nd Window Type ..... **J51**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-DIR**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **103,0** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **18,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-SL DE COORD-01****1. General Details:**

Floor Area ..... **7,4** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **3,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	7,5	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **25,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-SL DE COORD-02****1. General Details:**

Floor Area ..... 7,4 m<sup>2</sup>  
 Avg. Ceiling Height ..... 3,0 m  
 Building Weight ..... 341,8 kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... OFFICE: Office space  
 OA Requirement 1 ..... 2,5 L/s/person  
 OA Requirement 2 ..... 0,30 L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... ASHRAE Std 62.1-2007

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... Recessed (Unvented)  
 Wattage ..... 16,00 W/m<sup>2</sup>  
 Ballast Multiplier ..... 1,00  
 Schedule ..... 90.1 Office Lights/Elec

**2.2. Task Lighting:**

Wattage ..... 0,00 W/m<sup>2</sup>  
 Schedule ..... 24H

**2.3. Electrical Equipment:**

Wattage ..... 15,00 W/m<sup>2</sup>  
 Schedule ..... 24H

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	7,6	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... PAREDE EXTERNA 15CM

**4. Roofs, Skylights:**

(No Roof or Skylight data).

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... Wall Partition  
 Area ..... 25,6 m<sup>2</sup>  
 U-Value ..... 3,815 W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... 35,0 °C  
 Ambient at Space Max Temp ..... 33,0 °C  
 Uncondit. Space Min Temp ..... 20,0 °C  
 Ambient at Space Min Temp ..... 24,0 °C

**2.4. People:**

Occupancy ..... 3,0 People  
 Activity Level ..... Office Work  
 Sensible ..... 71,8 W/person  
 Latent ..... 60,1 W/person  
 Schedule ..... 90.1 Office Lights/Elec

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

(No partition data).

**TE-SL DE COORD-03****1. General Details:**

Floor Area ..... **7,4** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	7,6	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **25,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **3,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**



**TE-SL DE COORD-04****1. General Details:**

Floor Area ..... **7,4** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **3,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	7,5	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J52**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **25,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-SL DE COORD-05****1. General Details:**

Floor Area ..... **7,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **3,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	7,6	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J52**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **25,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-SL DE COORD-06****1. General Details:**

Floor Area ..... **8,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **3,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	7,5	1	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J52**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **25,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-SL-DESCOMPRESSÃO****1. General Details:**

Floor Area ..... **12,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **OFFICE: Office space**  
 OA Requirement 1 ..... **2,5** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	7,4	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J45**  
 1st Window Shade Type ..... **LAJE TÉCNICA-ESQ**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **32,6** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **5,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**TE-UFG NET****1. General Details:**

Floor Area .....	8,3	m <sup>2</sup>
Avg. Ceiling Height .....	3,0	m
Building Weight .....	341,8	kg/m <sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage .....	<b>EDUCATION: Computer lab</b>	
OA Requirement 1 .....	5,0	L/s/person
OA Requirement 2 .....	0,60	L/(s·m <sup>2</sup> )
Space Usage Defaults .....	<b>ASHRAE Std 62.1-2007</b>	

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type .....	<b>Recessed (Unvented)</b>	
Wattage .....	16,00	W/m <sup>2</sup>
Ballast Multiplier .....	1,00	
Schedule .....	<b>90.1 Office Lights/Elec</b>	

**2.2. Task Lighting:**

Wattage .....	0,00	W/m <sup>2</sup>
Schedule .....	<b>24H</b>	

**2.3. Electrical Equipment:**

Wattage .....	150,00	W/m <sup>2</sup>
Schedule .....	<b>24H</b>	

**3. Walls, Windows, Doors:****(No Wall, Window, Door data).****4. Roofs, Skylights:****(No Roof or Skylight data).****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. Partitions:****6.1. 1st Partition Details:**

Partition Type .....	<b>Wall Partition</b>	
Area .....	46,2	m <sup>2</sup>
U-Value .....	3,815	W/(m <sup>2</sup> ·K)
Uncondit. Space Max Temp .....	35,0	°C
Ambient at Space Max Temp .....	33,0	°C
Uncondit. Space Min Temp .....	20,0	°C
Ambient at Space Min Temp .....	24,0	°C

**2.4. People:**

Occupancy .....	2,0	People
Activity Level .....	<b>Office Work</b>	
Sensible .....	71,8	W/person
Latent .....	60,1	W/person
Schedule .....	<b>90.1 Office Lights/Elec</b>	

**2.5. Miscellaneous Loads:**

Sensible .....	0	W
Schedule .....	<b>None</b>	
Latent .....	0	W
Schedule .....	<b>None</b>	

**6.2. 2nd Partition Details:****(No partition data).**

**P1- LABORATÓRIO 01****1. General Details:**

Floor Area ..... **100,6** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **22,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	29,6	1	1	0
W	30,0	0	0	0
S	29,6	2	0	0
E	7,5	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-DIR**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**3.2. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.3. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**

**3.4. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **22,5** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data)**

**P1- LABORATÓRIO 02****1. General Details:**

Floor Area ..... **101,6** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **22,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	29,8	2	0	0
S	29,8	1	1	0
E	7,5	0	0	0
W	30,0	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**

**3.2. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-ESQ**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**3.3. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.4. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **22,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1- LABORATÓRIO 03****1. General Details:**

Floor Area ..... **99,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **22,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	29,8	2	0	0
S	29,8	1	0	0
E	30,0	0	0	0
W	7,5	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**

**3.2. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J66**

**3.3. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.4. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **22,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**



**P1- LABORATÓRIO DE TI****1. General Details:**

Floor Area ..... **29,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ... **FOOD SERVICE: Cafeteria/fast food**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,90** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **22,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	30,7	1	0	0
E	3,0	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J54**

**3.2. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **22,5** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **6,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-BIBLIOTECA****1. General Details:**

Floor Area ..... **244,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Lecture hall**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **25,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
E	14,6	1	0	0
S	64,0	1	0	0
W	14,6	0	0	0

**3.1. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J66**

**3.2. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **JANELÃO**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**3.3. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **60,0** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 01****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	30,0	2	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **74,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 02****1. General Details:**

Floor Area ..... **69,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	28,7	2	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 03****1. General Details:**

Floor Area ..... **69,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	30,2	1	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J69**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 04****1. General Details:**

Floor Area ..... **69,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	28,7	1	1	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-DIR**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 05****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	28,7	2	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 06****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	30,0	2	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**



**P1-SL DE AULA 07****1. General Details:**

Floor Area ..... **70,9** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,8	2	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **20,5** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 08****1. General Details:**

Floor Area ..... **69,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,3	1	1	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-DIR**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 09****1. General Details:**

Floor Area ..... **69,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,1	1	1	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-ESQ**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 10****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,1	2	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL DE AULA 11****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,1	1	1	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-DIR**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-SL MULTIMEIOS****1. General Details:**

Floor Area ..... **50,6** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **25,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	14,6	1	0	0
S	14,6	0	0	0
E	30,0	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-ESQ**

**3.2. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.3. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **10,8** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P1-UFG NET****1. General Details:**

Floor Area .....	8,3	m <sup>2</sup>
Avg. Ceiling Height .....	3,0	m
Building Weight .....	341,8	kg/m <sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage .....	<b>EDUCATION: Computer lab</b>	
OA Requirement 1 .....	5,0	L/s/person
OA Requirement 2 .....	0,60	L/(s·m <sup>2</sup> )
Space Usage Defaults .....	<b>ASHRAE Std 62.1-2007</b>	

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type .....	<b>Recessed (Unvented)</b>	
Wattage .....	16,00	W/m <sup>2</sup>
Ballast Multiplier .....	1,00	
Schedule .....	<b>90.1 Office Lights/Elec</b>	

**2.2. Task Lighting:**

Wattage .....	0,00	W/m <sup>2</sup>
Schedule .....	<b>24H</b>	

**2.3. Electrical Equipment:**

Wattage .....	150,00	W/m <sup>2</sup>
Schedule .....	<b>24H</b>	

**3. Walls, Windows, Doors:****(No Wall, Window, Door data).****4. Roofs, Skylights:****(No Roof or Skylight data).****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. Partitions:****6.1. 1st Partition Details:**

Partition Type .....	<b>Wall Partition</b>	
Area .....	46,2	m <sup>2</sup>
U-Value .....	3,815	W/(m <sup>2</sup> ·K)
Uncondit. Space Max Temp .....	35,0	°C
Ambient at Space Max Temp .....	33,0	°C
Uncondit. Space Min Temp .....	20,0	°C
Ambient at Space Min Temp .....	24,0	°C

**2.4. People:**

Occupancy .....	2,0	People
Activity Level .....	<b>Office Work</b>	
Sensible .....	71,8	W/person
Latent .....	60,1	W/person
Schedule .....	<b>90.1 Office Lights/Elec</b>	

**2.5. Miscellaneous Loads:**

Sensible .....	0	W
Schedule .....	<b>None</b>	
Latent .....	0	W
Schedule .....	<b>None</b>	

**6.2. 2nd Partition Details:****(No partition data).**

**P2- HALL COMUM DIR****1. General Details:**

Floor Area ..... **121,4** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **52,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
E	10,5	0	0	0
S	30,2	0	0	0

**3.1. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.2. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	121,4	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **37,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**



**P2- HALL COMUM ESQ****1. General Details:**

Floor Area ..... **121,4** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **52,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
W	10,5	0	0	0
S	30,2	1	0	0

**3.1. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.2. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **JANELÃO**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	121,4	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **37,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2- LABORATÓRIO 01****1. General Details:**

Floor Area ..... **100,6** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **22,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	29,6	1	1	0
W	30,0	0	0	0
S	29,6	2	0	0
E	7,5	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-ESQ**

**3.2. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.3. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**

**3.4. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	100,6	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **22,5** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C

Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C  
**(No partition data).**

**P2- LABORATÓRIO DE TI****1. General Details:**

Floor Area ..... **29,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **6,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **22,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	30,7	1	0	0
E	3,0	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J54**

**3.2. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	29,1	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **22,5** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2-LABORATÓRIO 02****1. General Details:**

Floor Area ..... **101,6** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **22,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	29,8	2	0	0
S	29,8	1	1	0
W	30,0	0	0	0
E	7,5	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**

**3.2. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-ESQ**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**3.3. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.4. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	101,6	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **22,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C

Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C  
**(No partition data).**

**P2-LABORATÓRIO 03****1. General Details:**

Floor Area ..... **99,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **22,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	29,8	2	0	0
S	29,8	1	0	0
E	30,0	0	0	0
W	7,5	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**

**3.2. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J66**

**3.3. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.4. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	99,2	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **22,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data)**

**P2-SL DE AULA 01****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	30,0	2	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	70,8	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **74,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2-SL DE AULA 02****1. General Details:**

Floor Area ..... **69,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	28,7	2	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	68,9	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2-SL DE AULA 03****1. General Details:**

Floor Area ..... **69,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	30,2	1	0	0
W	3,0	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J69**

**3.2. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	69,2	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**



**P2-SL DE AULA 04****1. General Details:**

Floor Area ..... **69,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	28,7	1	1	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-DIR**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	69,1	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

(No partition data).

**P2-SL DE AULA 05****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	28,7	2	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	70,8	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2-SL DE AULA 06****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	30,0	1	1	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

**(No Roof or Skylight data).**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2-SL DE AULA 07****1. General Details:**

Floor Area ..... **70,9** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,8	2	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	70,9	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **20,5** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2-SL DE AULA 08****1. General Details:**

Floor Area ..... **69,2** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,3	1	1	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-DIR**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	69,2	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2-SL DE AULA 09****1. General Details:**

Floor Area ..... **69,1** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,1	1	1	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-ESQ**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	69,1	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2-SL DE AULA 10****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,1	2	0	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	70,8	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**

**P2-SL DE AULA 11****1. General Details:**

Floor Area ..... **70,8** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **51,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
S	29,1	1	1	0

**3.1. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-CENTRO**  
 2nd Window Type ..... **J53**  
 2nd Window Shade Type ..... **LAJE TÉCNICA-DIR**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	70,8	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **44,1** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data).**



**P2-SL MULTIMEIOS****1. General Details:**

Floor Area ..... **50,6** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Multi-use assembly**  
 OA Requirement 1 ..... **3,8** L/s/person  
 OA Requirement 2 ..... **0,30** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.4. People:**

Occupancy ..... **15,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.5. Miscellaneous Loads:**

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

**2.3. Electrical Equipment:**

Wattage ..... **15,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

Exp.	Wall Gross Area (m <sup>2</sup> )	Window 1 Qty.	Window 2 Qty.	Door 1 Qty.
N	14,6	1	0	0
S	14,6	0	0	0
E	30,0	0	0	0
W	19,2	0	0	0

**3.1. Construction Types for Exposure N**

Wall Type ..... **PAREDE EXTERNA 15CM**  
 1st Window Type ..... **J53**  
 1st Window Shade Type ..... **LAJE TÉCNICA-ESQ**

**3.2. Construction Types for Exposure S**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.3. Construction Types for Exposure E**

Wall Type ..... **PAREDE EXTERNA 15CM**

**3.4. Construction Types for Exposure W**

Wall Type ..... **PAREDE EXTERNA 15CM**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	50,6	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **10,8** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**6.2. 2nd Partition Details:**

**(No partition data)**

**P2-UFG NET****1. General Details:**

Floor Area ..... **8,3** m<sup>2</sup>  
 Avg. Ceiling Height ..... **3,0** m  
 Building Weight ..... **341,8** kg/m<sup>2</sup>

**1.1. OA Ventilation Requirements:**

Space Usage ..... **EDUCATION: Computer lab**  
 OA Requirement 1 ..... **5,0** L/s/person  
 OA Requirement 2 ..... **0,60** L/(s·m<sup>2</sup>)  
 Space Usage Defaults ..... **ASHRAE Std 62.1-2007**

**2. Internals:****2.1. Overhead Lighting:**

Fixture Type ..... **Recessed (Unvented)**  
 Wattage ..... **16,00** W/m<sup>2</sup>  
 Ballast Multiplier ..... **1,00**  
 Schedule ..... **90.1 Office Lights/Elec**

**2.2. Task Lighting:**

Wattage ..... **0,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**2.3. Electrical Equipment:**

Wattage ..... **150,00** W/m<sup>2</sup>  
 Schedule ..... **24H**

**3. Walls, Windows, Doors:**

**(No Wall, Window, Door data).**

**4. Roofs, Skylights:**

Exp.	Roof Gross Area (m <sup>2</sup> )	Roof Slope (deg.)	Skylight Qty.
H	8,3	0	0

**4.1. Construction Types for Exposure H**

Roof Type ..... **LAJE CABAÇA + TELHA METÁLICA**

**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 ..... **Floor Above Conditioned Space**  
**(No additional input required for this floor type).**

**6. Partitions:****6.1. 1st Partition Details:**

Partition Type ..... **Wall Partition**  
 Area ..... **46,2** m<sup>2</sup>  
 U-Value ..... **3,815** W/(m<sup>2</sup>·K)  
 Uncondit. Space Max Temp ..... **35,0** °C  
 Ambient at Space Max Temp ..... **33,0** °C  
 Uncondit. Space Min Temp ..... **20,0** °C  
 Ambient at Space Min Temp ..... **24,0** °C

**2.4. People:**

Occupancy ..... **2,0** People  
 Activity Level ..... **Office Work**  
 Sensible ..... **71,8** W/person  
 Latent ..... **60,1** W/person  
 Schedule ..... **90.1 Office Lights/Elec**

**2.5. Miscellaneous Loads:**

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

**6.2. 2nd Partition Details:**

**(No partition data).**

## 3.6 Cálculo de Vazão de Ar Externo

## 2.1 Zone: P1- LABORATÓRIO 01

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P1- LABORATÓRIO 01					
P1- LABORATÓRIO 01	101	51	5	0,6	315,4
Totals (incl. Space Multipliers)					315,4

## 2.2 Zone: P1- LABORATÓRIO 02

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P1- LABORATÓRIO 02					
P1- LABORATÓRIO 02	102	51	5	0,6	316
Totals (incl. Space Multipliers)					316

## 2.3 Zone: P1- LABORATÓRIO 03

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P1- LABORATÓRIO 03					
P1- LABORATÓRIO 03	99,2	51	5	0,6	314,5
Totals (incl. Space Multipliers)					314,5

## 2.4 Zone: P1- LABORATÓRIO DE TI

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P1- LABORATÓRIO DE TI					
P1- LABORATÓRIO DE TI	29,1	6	3,8	0,9	49
Totals (incl. Space Multipliers)					49

## 2.5 Zone: P1-BIBLIOTECA

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P1-BIBLIOTECA					
P1-BIBLIOTECA	244	25	3,8	0,3	168,2
Totals (incl. Space Multipliers)					168,2

## 2.6 Zone: P1-SL DE AULA 01

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 01</b>					
P1-SL DE AULA 01	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

**2.7 Zone: P1-SL DE AULA 02**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 02</b>					
P1-SL DE AULA 02	69,1	51	3,8	0,3	214,5
<b>Totals (incl. Space Multipliers)</b>					<b>214,5</b>

**2.8 Zone: P1-SL DE AULA 03**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 03</b>					
P1-SL DE AULA 03	69,2	51	3,8	0,3	214,6
<b>Totals (incl. Space Multipliers)</b>					<b>214,6</b>

**2.9 Zone: P1-SL DE AULA 04**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 04</b>					
P1-SL DE AULA 04	69,1	51	3,8	0,3	214,5
<b>Totals (incl. Space Multipliers)</b>					<b>214,5</b>

**2.10 Zone: P1-SL DE AULA 05**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 05</b>					
P1-SL DE AULA 05	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

**2.11 Zone: P1-SL DE AULA 06**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 06</b>					
P1-SL DE AULA 06	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

**2.12 Zone: P1-SL DE AULA 07**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 07</b>					
P1-SL DE AULA 07	70,9	51	3,8	0,3	215,1
<b>Totals (incl. Space Multipliers)</b>					<b>215,1</b>

### 2.13 Zone: P1-SL DE AULA 08

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 08</b>					
P1-SL DE AULA 08	69,2	51	3,8	0,3	214,6
<b>Totals (incl. Space Multipliers)</b>					<b>214,6</b>

### 2.14 Zone: P1-SL DE AULA 09

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 09</b>					
P1-SL DE AULA 09	69,1	51	3,8	0,3	214,5
<b>Totals (incl. Space Multipliers)</b>					<b>214,5</b>

### 2.15 Zone: P1-SL DE AULA 10

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 10</b>					
P1-SL DE AULA 10	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

### 2.16 Zone: P1-SL DE AULA 11

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL DE AULA 11</b>					
P1-SL DE AULA 11	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

### 2.17 Zone: P1-SL MULTIMEIOS

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P1-SL MULTIMEIOS</b>					
P1-SL MULTIMEIOS	50,6	25	3,8	0,3	110,2
<b>Totals (incl. Space Multipliers)</b>					<b>110,2</b>

### 2.18 Zone: P2- HALL COMUM DIR

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P2- HALL COMUM DIR					
P2- HALL COMUM DIR	121	52	5	0,6	332,8
Totals (incl. Space Multipliers)					332,8

**2.19 Zone: P2- HALL COMUM ESQ**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P2- HALL COMUM ESQ					
P2- HALL COMUM ESQ	121	52	5	0,6	332,8
Totals (incl. Space Multipliers)					332,8

**2.20 Zone: P2- LABORATÓRIO 01**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P2- LABORATÓRIO 01					
P2- LABORATÓRIO 01	101	51	5	0,6	315,4
Totals (incl. Space Multipliers)					315,4

**2.21 Zone: P2- LABORATÓRIO DE TI**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P2- LABORATÓRIO DE TI					
P2- LABORATÓRIO DE TI	29,1	6	5	0,6	47,5
Totals (incl. Space Multipliers)					47,5

**2.22 Zone: P2-LABORATÓRIO 02**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P2-LABORATÓRIO 02					
P2-LABORATÓRIO 02	102	51	5	0,6	316
Totals (incl. Space Multipliers)					316

**2.23 Zone: P2-LABORATÓRIO 03**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
P2-LABORATÓRIO 03					
P2-LABORATÓRIO 03	99,2	51	5	0,6	314,5
Totals (incl. Space Multipliers)					314,5

**2.24 Zone: P2-SL DE AULA 01**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 01</b>					
P2-SL DE AULA 01	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

**2.25 Zone: P2-SL DE AULA 02**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 02</b>					
P2-SL DE AULA 02	69,1	51	3,8	0,3	214,5
<b>Totals (incl. Space Multipliers)</b>					<b>214,5</b>

**2.26 Zone: P2-SL DE AULA 03**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 03</b>					
P2-SL DE AULA 03	69,2	51	3,8	0,3	214,6
<b>Totals (incl. Space Multipliers)</b>					<b>214,6</b>

**2.27 Zone: P2-SL DE AULA 04**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 04</b>					
P2-SL DE AULA 04	69,1	51	3,8	0,3	214,5
<b>Totals (incl. Space Multipliers)</b>					<b>214,5</b>

**2.28 Zone: P2-SL DE AULA 05**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 05</b>					
P2-SL DE AULA 05	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

**2.29 Zone: P2-SL DE AULA 06**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 06</b>					
P2-SL DE AULA 06	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

**2.30 Zone: P2-SL DE AULA 07**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 07</b>					
P2-SL DE AULA 07	70,9	51	3,8	0,3	215,1
<b>Totals (incl. Space Multipliers)</b>					<b>215,1</b>

**2.31 Zone: P2-SL DE AULA 08**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 08</b>					
P2-SL DE AULA 08	69,2	51	3,8	0,3	214,6
<b>Totals (incl. Space Multipliers)</b>					<b>214,6</b>

**2.32 Zone: P2-SL DE AULA 09**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 09</b>					
P2-SL DE AULA 09	69,1	51	3,8	0,3	214,5
<b>Totals (incl. Space Multipliers)</b>					<b>214,5</b>

**2.33 Zone: P2-SL DE AULA 10**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 10</b>					
P2-SL DE AULA 10	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

**2.34 Zone: P2-SL DE AULA 11**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL DE AULA 11</b>					
P2-SL DE AULA 11	70,8	51	3,8	0,3	215
<b>Totals (incl. Space Multipliers)</b>					<b>215</b>

**2.35 Zone: P2-SL MULTIMEIOS**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-SL MULTIMEIOS</b>					
P2-SL MULTIMEIOS	50,6	15	3,8	0,3	72,2
<b>Totals (incl. Space Multipliers)</b>					<b>72,2</b>

**2.36 Zone: P2-UFG NET**



Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>P2-UFG NET</b>					
P2-UFG NET	8,3	2	5	0,6	15
<b>Totals (incl. Space Multipliers)</b>					<b>15</b>

**2.37 Zone: TE\*-COORD.ADM**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>TE*-COORD.ADM</b>					
TE-COORD.ADM.	12,8	7	2,5	0,3	21,3
<b>Totals (incl. Space Multipliers)</b>					<b>21,3</b>

**2.38 Zone: TE\*-ESCRITÓRIO**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>TE*-ESCRITÓRIO</b>					
TE*-ESCRITÓRIO	6,6	1	0	0,3	145,5
<b>Totals (incl. Space Multipliers)</b>					<b>145,5</b>

**2.39 Zone: TE-ADM**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>TE-ADM</b>					
TE-ADM	22	9	2,5	0,3	29,1
<b>Totals (incl. Space Multipliers)</b>					<b>29,1</b>

**2.40 Zone: TE-AUDITÓRIO**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>TE-AUDITÓRIO</b>					
TE-AUDITÓRIO	251	180	2,5	0,3	525,3
<b>Totals (incl. Space Multipliers)</b>					<b>525,3</b>

**2.41 Zone: TE-COPA ALUNOS**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
<b>TE-COPA ALUNOS</b>					
TE-COPA ALUNOS	12,3	5	3,8	0,9	30,1
<b>Totals (incl. Space Multipliers)</b>					<b>30,1</b>

**2.42 Zone: TE-COPA SERV. TERC.**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-COPA SERV. TERC.					
TE-COPA SERV. TERC.	36,7	17	3,8	0,9	97,6
Totals (incl. Space Multipliers)					97,6

#### 2.43 Zone: TE-COPA SERVIDORES

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-COPA SERVIDORES					
TE-COPA SERVIDORES	29,1	18	3,8	0,9	94,6
Totals (incl. Space Multipliers)					94,6

#### 2.44 Zone: TE-DIGITAL 02

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-DIGITAL 02					
TE-DIGITAL 02	70,4	15	2,5	0,3	58,6
Totals (incl. Space Multipliers)					58,6

#### 2.45 Zone: TE-DIREÇÃO

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-DIREÇÃO					
TE-DIREÇÃO	21,2	9	2,5	0,3	28,9
Totals (incl. Space Multipliers)					28,9

#### 2.46 Zone: TE-DORMITÓRIOS

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-DORMITÓRIOS					
TE-DORMITÓRIOS	19,2	4	2,5	0,3	15,8
Totals (incl. Space Multipliers)					15,8

#### 2.47 Zone: TE-GABINETE-PROF-01

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-01					
TE-GABINETE-PROF-01	14,5	5	2,5	0,3	16,9
Totals (incl. Space Multipliers)					16,9

#### 2.48 Zone: TE-GABINETE-PROF-02

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-02					
TE-GABINETE-PROF-02	14,5	5	2,5	0,3	16,9
Totals (incl. Space Multipliers)					16,9

**2.49 Zone: TE-GABINETE-PROF-03**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-03					
TE-GABINETE-PROF-03	13,2	5	2,5	0,3	16,5
Totals (incl. Space Multipliers)					16,5

**2.50 Zone: TE-GABINETE-PROF-04**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-04					
TE-GABINETE-PROF-04	13,3	5	2,5	0,3	16,5
Totals (incl. Space Multipliers)					16,5

**2.51 Zone: TE-GABINETE-PROF-05**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-05					
TE-GABINETE-PROF-05	13,3	5	2,5	0,3	16,5
Totals (incl. Space Multipliers)					16,5

**2.52 Zone: TE-GABINETE-PROF-06**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-06					
TE-GABINETE-PROF-06	13,2	5	2,5	0,3	16,5
Totals (incl. Space Multipliers)					16,5

**2.53 Zone: TE-GABINETE-PROF-07**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-07					
TE-GABINETE-PROF-07	13,3	5	2,5	0,3	16,5
Totals (incl. Space Multipliers)					16,5

**2.54 Zone: TE-GABINETE-PROF-08**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-08					
TE-GABINETE-PROF-08	13,3	5	2,5	0,3	16,5
Totals (incl. Space Multipliers)					16,5

#### 2.55 Zone: TE-GABINETE-PROF-09

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-09					
TE-GABINETE-PROF-09	14,5	5	2,5	0,3	16,9
Totals (incl. Space Multipliers)					16,9

#### 2.56 Zone: TE-GABINETE-PROF-10

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-10					
TE-GABINETE-PROF-10	14,5	5	2,5	0,3	16,9
Totals (incl. Space Multipliers)					16,9

#### 2.57 Zone: TE-GABINETE-PROF-11

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-11					
TE-GABINETE-PROF-11	13,3	6	2,5	0,3	19
Totals (incl. Space Multipliers)					19

#### 2.58 Zone: TE-GABINETE-PROF-12

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-12					
TE-GABINETE-PROF-12	13,3	6	2,5	0,3	19
Totals (incl. Space Multipliers)					19

#### 2.59 Zone: TE-GABINETE-PROF-13

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-13					
TE-GABINETE-PROF-13	13,3	5	2,5	0,3	16,5
Totals (incl. Space Multipliers)					16,5

#### 2.60 Zone: TE-GABINETE-PROF-14

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-14					
TE-GABINETE-PROF-14	13,3	5	2,5	0,3	16,5
Totals (incl. Space Multipliers)					16,5

**2.61 Zone: TE-GABINETE-PROF-15**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-GABINETE-PROF-15					
TE-GABINETE-PROF-15	13,3	5	2,5	0,3	16,5
Totals (incl. Space Multipliers)					16,5

**2.62 Zone: TE-REUNIÕES 01**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-REUNIÕES 01					
TE-REUNIÕES 01	69,2	47	2,5	0,3	138,3
Totals (incl. Space Multipliers)					138,3

**2.63 Zone: TE-REUNIÕES 02**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-REUNIÕES 02					
TE-REUNIÕES 02	72	47	2,5	0,3	139,1
Totals (incl. Space Multipliers)					139,1

**2.64 Zone: TE-REUNIÕES 03**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-REUNIÕES 03					
TE-REUNIÕES 03	27	15	2,5	0,3	45,6
Totals (incl. Space Multipliers)					45,6

**2.65 Zone: TE-SECRETARIA**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-SECRETARIA					
TE-SECRETARIA	93,2	18	2,5	0,3	73
Totals (incl. Space Multipliers)					73

**2.66 Zone: TE-SL DE COORD-01**

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-SL DE COORD-01					
TE-SL DE COORD-01	7,4	3	2,5	0,3	9,7
Totals (incl. Space Multipliers)					9,7

#### 2.67 Zone: TE-SL DE COORD-02

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-SL DE COORD-02					
TE-SL DE COORD-02	7,4	3	2,5	0,3	9,7
Totals (incl. Space Multipliers)					9,7

#### 2.68 Zone: TE-SL DE COORD-03

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-SL DE COORD-03					
TE-SL DE COORD-03	7,4	3	2,5	0,3	9,7
Totals (incl. Space Multipliers)					9,7

#### 2.69 Zone: TE-SL DE COORD-04

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-SL DE COORD-04					
TE-SL DE COORD-04	7,4	3	2,5	0,3	9,7
Totals (incl. Space Multipliers)					9,7

#### 2.70 Zone: TE-SL DE COORD-05

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-SL DE COORD-05					
TE-SL DE COORD-05	7,3	3	2,5	0,3	9,7
Totals (incl. Space Multipliers)					9,7

#### 2.71 Zone: TE-SL DE COORD-06

Zone Name / Space Name	Área (m²)	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m²))	Ar Externo Calculado (L/s)
TE-SL DE COORD-06					
TE-SL DE COORD-06	8,2	3	2,5	0,3	10
Totals (incl. Space Multipliers)					10

#### 2.72 Zone: TE-SL-DESCOMPRESSÃO

Zone Name / Space Name	Área (m <sup>2</sup> )	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m <sup>2</sup> ))	Ar Externo Calculado (L/s)
<b>TE-SL-DESCOMPRESSÃO</b>					
TE-SL-DESCOMPRESSÃO	12,2	5	2,5	0,3	16,2
<b>Totals (incl. Space Multipliers)</b>					<b>16,2</b>

**2.73 Zone: P1-UFG-NET**

Zone Name / Space Name	Área (m <sup>2</sup> )	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m <sup>2</sup> ))	Ar Externo Calculado (L/s)
<b>P1-UFG-NET</b>					
P1-UFG NET	8,3	2	5	0,6	15
<b>Totals (incl. Space Multipliers)</b>					<b>15</b>

**2.74 Zone: TE-UFG-NET**

Zone Name / Space Name	Área (m <sup>2</sup> )	Ocupantes	Ar Externo por pessoa (L/s/pessoa)	Ar Externo por área (L/(s·m <sup>2</sup> ))	Ar Externo Calculado (L/s)
<b>TE-UFG-NET</b>					
TE-UFG NET	8,3	2	5	0,6	15
<b>Totals (incl. Space Multipliers)</b>					<b>15</b>

### 3.7 Carga Térmica por Ambiente

TABLE 1.1.A. Component Loads For Space "P1- LABORATÓRIO 01" In Zone "P1- LABORATÓRIO 01"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	30 m²	3122	-	30 m²	-	-
Wall Transmission	66 m²	2393	-	66 m²	2098	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	30 m²	1738	-	30 m²	2558	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	23 m²	786	-	23 m²	95	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1449 W	1191	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	2213 W	2213	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1400	276	0%	0	0
>> Total Zone Loads	-	15405	3034	-	4751	0

TABLE 1.1.B. Envelope Loads For Space "P1- LABORATÓRIO 01" In Zone "P1- LABORATÓRIO 01"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	14	2,589	-	339	-	456
WINDOW 1	8	6,884	0,880	434	499	639
WINDOW 2	8	6,884	0,880	434	499	639
<b>W EXPOSURE</b>						
WALL	30	2,589	-	1197	-	949
<b>S EXPOSURE</b>						
WALL	14	2,589	-	547	-	456
WINDOW 1	15	6,884	0,880	869	2124	1279
<b>E EXPOSURE</b>						
WALL	8	2,589	-	310	-	237



TABLE 2.1.A. Component Loads For Space "P1- LABORATÓRIO 02" In Zone "P1- LABORATÓRIO 02"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Apr 1600 COOLING OA DB / WB 31,7 °C / 22,4 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	30 m²	3442	-	30 m²	-	-
Wall Transmission	67 m²	2016	-	67 m²	2111	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	30 m²	1389	-	30 m²	2558	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	22 m²	608	-	22 m²	94	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1463 W	1203	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	2235 W	2235	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1345	276	0%	0	0
>> Total Zone Loads	-	14799	3034	-	4762	0

TABLE 2.1.B. Envelope Loads For Space "P1- LABORATÓRIO 02" In Zone "P1- LABORATÓRIO 02"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	15	2,589	-	647	-	462
WINDOW 1	15	6,884	0,880	694	2833	1279
<b>S EXPOSURE</b>						
WALL	15	2,589	-	220	-	462
WINDOW 1	8	6,884	0,880	347	305	639
WINDOW 2	8	6,884	0,880	347	305	639
<b>E EXPOSURE</b>						
WALL	8	2,589	-	227	-	237
<b>W EXPOSURE</b>						
WALL	30	2,589	-	921	-	949

TABLE 3.1.A. Component Loads For Space "P1- LABORATÓRIO 03" In Zone "P1- LABORATÓRIO 03"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Apr 1500 COOLING OA DB / WB 32,1 °C / 22,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	21 m²	3305	-	21 m²	-	-
Wall Transmission	76 m²	1970	-	76 m²	2411	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	21 m²	971	-	21 m²	1758	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	22 m²	628	-	22 m²	94	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1428 W	1156	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	2182 W	2182	-	0	0	-
People	46	2511	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1272	276	0%	0	0
>> Total Zone Loads	-	13996	3034	-	4264	0

TABLE 3.1.B. Envelope Loads For Space "P1- LABORATÓRIO 03" In Zone "P1- LABORATÓRIO 03"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	15	2,589	-	591	-	462
WINDOW 1	15	6,884	0,880	706	3059	1279
<b>S EXPOSURE</b>						
WALL	24	2,589	-	301	-	763
WINDOW 1	6	6,884	0,880	265	246	480
<b>E EXPOSURE</b>						
WALL	30	2,589	-	914	-	949
<b>W EXPOSURE</b>						
WALL	8	2,589	-	164	-	237

TABLE 4.1.A. Component Loads For Space "P1- LABORATÓRIO DE TI" In Zone "P1- LABORATÓRIO DE TI"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT May 1500 COOLING OA DB / WB 30,4 °C / 21,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	11 m²	2874	-	11 m²	-	-
Wall Transmission	22 m²	877	-	22 m²	706	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	11 m²	399	-	11 m²	959	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	23 m²	443	-	23 m²	95	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	419 W	339	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	640 W	640	-	0	0	-
People	5	295	325	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	587	32	0%	0	0
>> Total Zone Loads	-	6455	357	-	1760	0

TABLE 4.1.B. Envelope Loads For Space "P1- LABORATÓRIO DE TI" In Zone "P1- LABORATÓRIO DE TI"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	19	2,589	-	808	-	611
WINDOW 1	11	6,884	0,880	399	2874	959
<b>E EXPOSURE</b>						
WALL	3	2,589	-	70	-	95

TABLE 5.1.A. Component Loads For Space "P1-BIBLIOTECA" In Zone "P1-BIBLIOTECA"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	33 m²	3890	-	33 m²	-	-
Wall Transmission	61 m²	2356	-	61 m²	1915	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	33 m²	1869	-	33 m²	2751	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	60 m²	2095	-	60 m²	254	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	3515 W	2889	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	3662 W	3661	-	0	0	-
People	23	1256	1352	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1802	135	0%	0	0
>> Total Zone Loads	-	19818	1487	-	4920	0

TABLE 5.1.B. Envelope Loads For Space "P1-BIBLIOTECA" In Zone "P1-BIBLIOTECA"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>E EXPOSURE</b>						
WALL	9	2,589	-	367	-	282
WINDOW 1	6	6,884	0,880	326	889	480
<b>S EXPOSURE</b>						
WALL	37	2,589	-	1406	-	1171
WINDOW 1	27	6,884	0,880	1543	3001	2272
<b>W EXPOSURE</b>						
WALL	15	2,589	-	583	-	462

TABLE 6.1.A. Component Loads For Space "P1-SL DE AULA 01" In Zone "P1-SL DE AULA 01"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	999	-	15 m²	-	-
Wall Transmission	15 m²	422	-	15 m²	468	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	927	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	74 m²	2626	-	74 m²	314	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	838	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	944	276	0%	0	0
>> Total Zone Loads	-	10381	3034	-	2061	0

TABLE 6.1.B. Envelope Loads For Space "P1-SL DE AULA 01" In Zone "P1-SL DE AULA 01"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	15	2,589	-	422	-	468
WINDOW 1	15	6,884	0,880	927	999	1279

TABLE 7.1.A. Component Loads For Space "P1-SL DE AULA 02" In Zone "P1-SL DE AULA 02"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	999	-	15 m²	-	-
Wall Transmission	14 m²	385	-	14 m²	427	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	927	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1563	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	995 W	818	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1037 W	1036	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	829	276	0%	0	0
>> Total Zone Loads	-	9120	3034	-	1893	0

TABLE 7.1.B. Envelope Loads For Space "P1-SL DE AULA 02" In Zone "P1-SL DE AULA 02"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	14	2,589	-	385	-	427
WINDOW 1	15	6,884	0,880	927	999	1279

TABLE 8.1.A. Component Loads For Space "P1-SL DE AULA 03" In Zone "P1-SL DE AULA 03"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Apr 1500 COOLING OA DB / WB 32,1 °C / 22,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	9 m²	1751	-	9 m²	-	-
Wall Transmission	22 m²	870	-	22 m²	680	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	9 m²	404	-	9 m²	732	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1254	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	996 W	807	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1038 W	1038	-	0	0	-
People	46	2511	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	863	276	0%	0	0
>> Total Zone Loads	-	9498	3034	-	1599	0

TABLE 8.1.B. Envelope Loads For Space "P1-SL DE AULA 03" In Zone "P1-SL DE AULA 03"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	22	2,589	-	870	-	680
WINDOW 1	9	6,884	0,880	404	1751	732

TABLE 9.1.A. Component Loads For Space "P1-SL DE AULA 04" In Zone "P1-SL DE AULA 04"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	999	-	15 m²	-	-
Wall Transmission	14 m²	385	-	14 m²	427	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	927	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1563	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	995 W	818	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1037 W	1036	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	829	276	0%	0	0
>> Total Zone Loads	-	9120	3034	-	1893	0

TABLE 9.1.B. Envelope Loads For Space "P1-SL DE AULA 04" In Zone "P1-SL DE AULA 04"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	14	2,589	-	385	-	427
WINDOW 1	8	6,884	0,880	463	499	639
WINDOW 2	8	6,884	0,880	463	499	639



TABLE 10.1.A. Component Loads For Space "P1-SL DE AULA 05" In Zone "P1-SL DE AULA 05"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	999	-	15 m²	-	-
Wall Transmission	14 m²	385	-	14 m²	427	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	927	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1563	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	838	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	834	276	0%	0	0
>> Total Zone Loads	-	9170	3034	-	1893	0

TABLE 10.1.B. Envelope Loads For Space "P1-SL DE AULA 05" In Zone "P1-SL DE AULA 05"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	14	2,589	-	385	-	427
WINDOW 1	15	6,884	0,880	927	999	1279

TABLE 11.1.A. Component Loads For Space "P1-SL DE AULA 06" In Zone "P1-SL DE AULA 06"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT May 1500 COOLING OA DB / WB 30,4 °C / 21,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	3832	-	15 m²	-	-
Wall Transmission	15 m²	619	-	15 m²	468	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	532	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	868	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	825	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2511	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1025	276	0%	0	0
>> Total Zone Loads	-	11274	3034	-	1934	0

TABLE 11.1.B. Envelope Loads For Space "P1-SL DE AULA 06" In Zone "P1-SL DE AULA 06"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	15	2,589	-	619	-	468
WINDOW 1	15	6,884	0,880	532	3832	1279

TABLE 12.1.A. Component Loads For Space "P1-SL DE AULA 07" In Zone "P1-SL DE AULA 07"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1533	-	15 m²	-	-
Wall Transmission	15 m²	555	-	15 m²	462	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	21 m²	716	-	21 m²	87	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1021 W	839	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1064 W	1063	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	814	276	0%	0	0
>> Total Zone Loads	-	8951	3034	-	1828	0

TABLE 12.1.B. Envelope Loads For Space "P1-SL DE AULA 07" In Zone "P1-SL DE AULA 07"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	15	2,589	-	555	-	462
WINDOW 1	15	6,884	0,880	869	1533	1279

TABLE 13.1.A. Component Loads For Space "P1-SL DE AULA 08" In Zone "P1-SL DE AULA 08"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1499	-	15 m²	-	-
Wall Transmission	14 m²	536	-	14 m²	446	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1540	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	996 W	819	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1038 W	1038	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	886	276	0%	0	0
>> Total Zone Loads	-	9749	3034	-	1912	0

TABLE 13.1.B. Envelope Loads For Space "P1-SL DE AULA 08" In Zone "P1-SL DE AULA 08"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	14	2,589	-	536	-	446
WINDOW 1	8	6,884	0,880	434	766	639
WINDOW 2	8	6,884	0,880	434	733	639

TABLE 14.1.A. Component Loads For Space "P1-SL DE AULA 09" In Zone "P1-SL DE AULA 09"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1470	-	15 m²	-	-
Wall Transmission	14 m²	528	-	14 m²	440	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1540	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	994 W	817	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1036 W	1036	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	882	276	0%	0	0
>> Total Zone Loads	-	9705	3034	-	1906	0

TABLE 14.1.B. Envelope Loads For Space "P1-SL DE AULA 09" In Zone "P1-SL DE AULA 09"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	14	2,589	-	528	-	440
WINDOW 1	8	6,884	0,880	434	704	639
WINDOW 2	8	6,884	0,880	434	766	639

TABLE 15.1.A. Component Loads For Space "P1-SL DE AULA 10" In Zone "P1-SL DE AULA 10"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1533	-	15 m²	-	-
Wall Transmission	14 m²	528	-	14 m²	440	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1540	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	838	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	893	276	0%	0	0
>> Total Zone Loads	-	9826	3034	-	1906	0

TABLE 15.1.B. Envelope Loads For Space "P1-SL DE AULA 10" In Zone "P1-SL DE AULA 10"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	14	2,589	-	528	-	440
WINDOW 1	15	6,884	0,880	869	1533	1279

TABLE 16.1.A. Component Loads For Space "P1-SL DE AULA 11" In Zone "P1-SL DE AULA 11"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1499	-	15 m²	-	-
Wall Transmission	14 m²	528	-	14 m²	440	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1540	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	838	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	890	276	0%	0	0
>> Total Zone Loads	-	9788	3034	-	1906	0

TABLE 16.1.B. Envelope Loads For Space "P1-SL DE AULA 11" In Zone "P1-SL DE AULA 11"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	14	2,589	-	528	-	440
WINDOW 1	8	6,884	0,880	434	766	639
WINDOW 2	8	6,884	0,880	434	733	639

TABLE 17.1.A. Component Loads For Space "P1-SL MULTIMEIOS" In Zone "P1-SL MULTIMEIOS"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	8 m²	511	-	8 m²	-	-
Wall Transmission	52 m²	1976	-	52 m²	1633	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	8 m²	463	-	8 m²	639	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	11 m²	383	-	11 m²	46	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	729 W	599	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	759 W	759	-	0	0	-
People	23	1256	1352	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	595	135	0%	0	0
>> Total Zone Loads	-	6543	1487	-	2318	0

TABLE 17.1.B. Envelope Loads For Space "P1-SL MULTIMEIOS" In Zone "P1-SL MULTIMEIOS"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	7	2,589	-	176	-	222
WINDOW 1	8	6,884	0,880	463	511	639
<b>S EXPOSURE</b>						
WALL	15	2,589	-	504	-	462
<b>E EXPOSURE</b>						
WALL	30	2,589	-	1296	-	949



TABLE 18.1.A. Component Loads For Space "P2- HALL COMUM DIR" In Zone "P2- HALL COMUM DIR"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	-	-
Wall Transmission	41 m <sup>2</sup>	1581	-	41 m <sup>2</sup>	1288	-
Roof Transmission	121 m <sup>2</sup>	2411	-	121 m <sup>2</sup>	1602	-
Window Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Skylight Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Door Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Floor Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Partitions	37 m <sup>2</sup>	1295	-	37 m <sup>2</sup>	157	-
Ceiling	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Overhead Lighting	1748 W	1437	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1821 W	1821	-	0	0	-
People	47	2613	2813	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1116	281	0%	0	0
>> Total Zone Loads	-	12274	3094	-	3047	0

TABLE 18.1.B. Envelope Loads For Space "P2- HALL COMUM DIR" In Zone "P2- HALL COMUM DIR"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m <sup>2</sup> )	(W/(m <sup>2</sup> ·K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	11	2,589	-	433	-	332
S EXPOSURE						
WALL	30	2,589	-	1148	-	956
H EXPOSURE						
ROOF	121	1,080	-	2411	-	1602

TABLE 19.1.A. Component Loads For Space "P2- HALL COMUM ESQ" In Zone "P2- HALL COMUM ESQ"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	27 m²	3001	-	27 m²	-	-
Wall Transmission	14 m²	541	-	14 m²	434	-
Roof Transmission	121 m²	2411	-	121 m²	1602	-
Window Transmission	27 m²	1543	-	27 m²	2272	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	37 m²	1295	-	37 m²	157	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1748 W	1437	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1821 W	1821	-	0	0	-
People	47	2613	2813	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1466	281	0%	0	0
>> Total Zone Loads	-	16129	3094	-	4464	0

TABLE 19.1.B. Envelope Loads For Space "P2- HALL COMUM ESQ" In Zone "P2- HALL COMUM ESQ"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	11	2,589	-	419	-	332
S EXPOSURE						
WALL	3	2,589	-	122	-	101
WINDOW 1	27	6,884	0,880	1543	3001	2272
H EXPOSURE						
ROOF	121	1,080	-	2411	-	1602

TABLE 20.1.A. Component Loads For Space "P2- LABORATÓRIO 01" In Zone "P2- LABORATÓRIO 01"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	30 m²	3122	-	30 m²	-	-
Wall Transmission	66 m²	2393	-	66 m²	2098	-
Roof Transmission	101 m²	1998	-	101 m²	1327	-
Window Transmission	30 m²	1738	-	30 m²	2558	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	23 m²	786	-	23 m²	95	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1449 W	1191	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	2213 W	2213	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1600	276	0%	0	0
>> Total Zone Loads	-	17603	3034	-	6079	0

TABLE 20.1.B. Envelope Loads For Space "P2- LABORATÓRIO 01" In Zone "P2- LABORATÓRIO 01"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	14	2,589	-	339	-	456
WINDOW 1	8	6,884	0,880	434	499	639
WINDOW 2	8	6,884	0,880	434	499	639
<b>W EXPOSURE</b>						
WALL	30	2,589	-	1197	-	949
<b>S EXPOSURE</b>						
WALL	14	2,589	-	547	-	456
WINDOW 1	15	6,884	0,880	869	2124	1279
<b>E EXPOSURE</b>						
WALL	8	2,589	-	310	-	237
<b>H EXPOSURE</b>						
ROOF	101	1,080	-	1998	-	1327

TABLE 21.1.A. Component Loads For Space "P2- LABORATÓRIO DE TI" In Zone "P2- LABORATÓRIO DE TI"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT May 1500 COOLING OA DB / WB 30,4 °C / 21,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	11 m²	2874	-	11 m²	-	-
Wall Transmission	22 m²	877	-	22 m²	706	-
Roof Transmission	29 m²	195	-	29 m²	384	-
Window Transmission	11 m²	399	-	11 m²	959	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	23 m²	443	-	23 m²	95	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	419 W	339	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	640 W	640	-	0	0	-
People	5	295	325	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	606	32	0%	0	0
>> Total Zone Loads	-	6669	357	-	2144	0

TABLE 21.1.B. Envelope Loads For Space "P2- LABORATÓRIO DE TI" In Zone "P2- LABORATÓRIO DE TI"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	19	2,589	-	808	-	611
WINDOW 1	11	6,884	0,880	399	2874	959
<b>E EXPOSURE</b>						
WALL	3	2,589	-	70	-	95
<b>H EXPOSURE</b>						
ROOF	29	1,080	-	195	-	384

TABLE 22.1.A. Component Loads For Space "P2-LABORATÓRIO 02" In Zone "P2-LABORATÓRIO 02"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	30 m²	2468	-	30 m²	-	-
Wall Transmission	67 m²	2405	-	67 m²	2111	-
Roof Transmission	102 m²	2018	-	102 m²	1341	-
Window Transmission	30 m²	1738	-	30 m²	2558	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	22 m²	772	-	22 m²	94	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1463 W	1203	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	2235 W	2235	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1540	276	0%	0	0
>> Total Zone Loads	-	16941	3034	-	6103	0

TABLE 22.1.B. Envelope Loads For Space "P2-LABORATÓRIO 02" In Zone "P2-LABORATÓRIO 02"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	15	2,589	-	344	-	462
WINDOW 1	15	6,884	0,880	869	998	1279
<b>S EXPOSURE</b>						
WALL	15	2,589	-	555	-	462
WINDOW 1	8	6,884	0,880	434	704	639
WINDOW 2	8	6,884	0,880	434	766	639
<b>W EXPOSURE</b>						
WALL	30	2,589	-	1197	-	949
<b>E EXPOSURE</b>						
WALL	8	2,589	-	310	-	237
<b>H EXPOSURE</b>						
ROOF	102	1,080	-	2018	-	1341

TABLE 23.1.A. Component Loads For Space "P2-LABORATÓRIO 03" In Zone "P2-LABORATÓRIO 03"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	21 m²	1794	-	21 m²	-	-
Wall Transmission	76 m²	2797	-	76 m²	2411	-
Roof Transmission	99 m²	1970	-	99 m²	1309	-
Window Transmission	21 m²	1195	-	21 m²	1758	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	22 m²	772	-	22 m²	94	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1428 W	1174	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	2182 W	2182	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1445	276	0%	0	0
>> Total Zone Loads	-	15892	3034	-	5573	0

TABLE 23.1.B. Envelope Loads For Space "P2-LABORATÓRIO 03" In Zone "P2-LABORATÓRIO 03"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	15	2,589	-	344	-	462
WINDOW 1	15	6,884	0,880	869	998	1279
<b>S EXPOSURE</b>						
WALL	24	2,589	-	916	-	763
WINDOW 1	6	6,884	0,880	326	796	480
<b>E EXPOSURE</b>						
WALL	30	2,589	-	1238	-	949
<b>W EXPOSURE</b>						
WALL	8	2,589	-	299	-	237
<b>H EXPOSURE</b>						
ROOF	99	1,080	-	1970	-	1309

TABLE 24.1.A. Component Loads For Space "P2-SL DE AULA 01" In Zone "P2-SL DE AULA 01"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1022	-	15 m²	-	-
Wall Transmission	15 m²	372	-	15 m²	468	-
Roof Transmission	71 m²	1412	-	71 m²	934	-
Window Transmission	15 m²	927	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	74 m²	2626	-	74 m²	314	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	838	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1082	276	0%	0	0
>> Total Zone Loads	-	11904	3034	-	2996	0

TABLE 24.1.B. Envelope Loads For Space "P2-SL DE AULA 01" In Zone "P2-SL DE AULA 01"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	15	2,589	-	372	-	468
WINDOW 1	15	6,884	0,880	927	1022	1279
<b>H EXPOSURE</b>						
ROOF	71	1,080	-	1412	-	934

TABLE 25.1.A. Component Loads For Space "P2-SL DE AULA 02" In Zone "P2-SL DE AULA 02"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1022	-	15 m²	-	-
Wall Transmission	14 m²	339	-	14 m²	427	-
Roof Transmission	69 m²	1374	-	69 m²	909	-
Window Transmission	15 m²	927	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1563	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	995 W	818	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1037 W	1036	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	964	276	0%	0	0
>> Total Zone Loads	-	10607	3034	-	2802	0

TABLE 25.1.B. Envelope Loads For Space "P2-SL DE AULA 02" In Zone "P2-SL DE AULA 02"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	14	2,589	-	339	-	427
WINDOW 1	15	6,884	0,880	927	1022	1279
H EXPOSURE						
ROOF	69	1,080	-	1374	-	909



TABLE 26.1.A. Component Loads For Space "P2-SL DE AULA 03" In Zone "P2-SL DE AULA 03"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Apr 1600 COOLING OA DB / WB 31,7 °C / 22,4 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	9 m <sup>2</sup>	1621	-	9 m <sup>2</sup>	-	-
Wall Transmission	25 m <sup>2</sup>	1045	-	25 m <sup>2</sup>	775	-
Roof Transmission	69 m <sup>2</sup>	882	-	69 m <sup>2</sup>	913	-
Window Transmission	9 m <sup>2</sup>	397	-	9 m <sup>2</sup>	732	-
Skylight Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Door Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Floor Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Partitions	44 m <sup>2</sup>	1213	-	44 m <sup>2</sup>	187	-
Ceiling	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Overhead Lighting	996 W	819	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1038 W	1038	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	958	276	0%	0	0
>> Total Zone Loads	-	10535	3034	-	2607	0

TABLE 26.1.B. Envelope Loads For Space "P2-SL DE AULA 03" In Zone "P2-SL DE AULA 03"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m <sup>2</sup> )	(W/(m <sup>2</sup> ·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	22	2,589	-	953	-	680
WINDOW 1	9	6,884	0,880	397	1621	732
<b>W EXPOSURE</b>						
WALL	3	2,589	-	92	-	95
<b>H EXPOSURE</b>						
ROOF	69	1,080	-	882	-	913

TABLE 27.1.A. Component Loads For Space "P2-SL DE AULA 04" In Zone "P2-SL DE AULA 04"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1022	-	15 m²	-	-
Wall Transmission	14 m²	339	-	14 m²	427	-
Roof Transmission	69 m²	1378	-	69 m²	912	-
Window Transmission	15 m²	927	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1563	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	995 W	818	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1037 W	1036	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	965	276	0%	0	0
>> Total Zone Loads	-	10611	3034	-	2805	0

TABLE 27.1.B. Envelope Loads For Space "P2-SL DE AULA 04" In Zone "P2-SL DE AULA 04"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	14	2,589	-	339	-	427
WINDOW 1	8	6,884	0,880	463	511	639
WINDOW 2	8	6,884	0,880	463	511	639
<b>H EXPOSURE</b>						
ROOF	69	1,080	-	1378	-	912

TABLE 28.1.A. Component Loads For Space "P2-SL DE AULA 05" In Zone "P2-SL DE AULA 05"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Apr 1600 COOLING OA DB / WB 31,7 °C / 22,4 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	2833	-	15 m²	-	-
Wall Transmission	14 m²	598	-	14 m²	427	-
Roof Transmission	71 m²	902	-	71 m²	934	-
Window Transmission	15 m²	694	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1213	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	838	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1070	276	0%	0	0
>> Total Zone Loads	-	11773	3034	-	2827	0

TABLE 28.1.B. Envelope Loads For Space "P2-SL DE AULA 05" In Zone "P2-SL DE AULA 05"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	14	2,589	-	598	-	427
WINDOW 1	15	6,884	0,880	694	2833	1279
<b>H EXPOSURE</b>						
ROOF	71	1,080	-	902	-	934

TABLE 29.1.A. Component Loads For Space "P2-SL DE AULA 06" In Zone "P2-SL DE AULA 06"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	999	-	15 m²	-	-
Wall Transmission	15 m²	422	-	15 m²	468	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	15 m²	927	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1563	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	838	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	837	276	0%	0	0
>> Total Zone Loads	-	9211	3034	-	1934	0

TABLE 29.1.B. Envelope Loads For Space "P2-SL DE AULA 06" In Zone "P2-SL DE AULA 06"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	15	2,589	-	422	-	468
WINDOW 1	8	6,884	0,880	463	499	639
WINDOW 2	8	6,884	0,880	463	499	639

TABLE 30.1.A. Component Loads For Space "P2-SL DE AULA 07" In Zone "P2-SL DE AULA 07"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1533	-	15 m²	-	-
Wall Transmission	15 m²	555	-	15 m²	462	-
Roof Transmission	71 m²	1408	-	71 m²	935	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	21 m²	716	-	21 m²	87	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1021 W	839	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1064 W	1063	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	955	276	0%	0	0
>> Total Zone Loads	-	10500	3034	-	2763	0

TABLE 30.1.B. Envelope Loads For Space "P2-SL DE AULA 07" In Zone "P2-SL DE AULA 07"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	15	2,589	-	555	-	462
WINDOW 1	15	6,884	0,880	869	1533	1279
<b>H EXPOSURE</b>						
ROOF	71	1,080	-	1408	-	935

TABLE 31.1.A. Component Loads For Space "P2-SL DE AULA 08" In Zone "P2-SL DE AULA 08"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1499	-	15 m²	-	-
Wall Transmission	14 m²	536	-	14 m²	446	-
Roof Transmission	69 m²	1374	-	69 m²	913	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1540	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	996 W	819	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1038 W	1038	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1024	276	0%	0	0
>> Total Zone Loads	-	11261	3034	-	2825	0

TABLE 31.1.B. Envelope Loads For Space "P2-SL DE AULA 08" In Zone "P2-SL DE AULA 08"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	14	2,589	-	536	-	446
WINDOW 1	8	6,884	0,880	434	766	639
WINDOW 2	8	6,884	0,880	434	733	639
<b>H EXPOSURE</b>						
ROOF	69	1,080	-	1374	-	913

TABLE 32.1.A. Component Loads For Space "P2-SL DE AULA 09" In Zone "P2-SL DE AULA 09"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1470	-	15 m²	-	-
Wall Transmission	14 m²	528	-	14 m²	440	-
Roof Transmission	69 m²	1372	-	69 m²	912	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1540	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	994 W	817	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1036 W	1036	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1020	276	0%	0	0
>> Total Zone Loads	-	11215	3034	-	2817	0

TABLE 32.1.B. Envelope Loads For Space "P2-SL DE AULA 09" In Zone "P2-SL DE AULA 09"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	14	2,589	-	528	-	440
WINDOW 1	8	6,884	0,880	434	704	639
WINDOW 2	8	6,884	0,880	434	766	639
<b>H EXPOSURE</b>						
ROOF	69	1,080	-	1372	-	912

TABLE 33.1.A. Component Loads For Space "P2-SL DE AULA 10" In Zone "P2-SL DE AULA 10"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1533	-	15 m²	-	-
Wall Transmission	14 m²	528	-	14 m²	440	-
Roof Transmission	71 m²	1406	-	71 m²	934	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1540	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	838	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1034	276	0%	0	0
>> Total Zone Loads	-	11372	3034	-	2840	0

TABLE 33.1.B. Envelope Loads For Space "P2-SL DE AULA 10" In Zone "P2-SL DE AULA 10"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	14	2,589	-	528	-	440
WINDOW 1	15	6,884	0,880	869	1533	1279
<b>H EXPOSURE</b>						
ROOF	71	1,080	-	1406	-	934



TABLE 34.1.A. Component Loads For Space "P2-SL DE AULA 11" In Zone "P2-SL DE AULA 11"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m²	1499	-	15 m²	-	-
Wall Transmission	14 m²	528	-	14 m²	440	-
Roof Transmission	71 m²	1406	-	71 m²	934	-
Window Transmission	15 m²	869	-	15 m²	1279	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	44 m²	1540	-	44 m²	187	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1020 W	838	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1062 W	1062	-	0	0	-
People	46	2563	2759	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	1030	276	0%	0	0
>> Total Zone Loads	-	11335	3034	-	2840	0

TABLE 34.1.B. Envelope Loads For Space "P2-SL DE AULA 11" In Zone "P2-SL DE AULA 11"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	14	2,589	-	528	-	440
WINDOW 1	8	6,884	0,880	434	766	639
WINDOW 2	8	6,884	0,880	434	733	639
<b>H EXPOSURE</b>						
ROOF	71	1,080	-	1406	-	934

TABLE 35.1.A. Component Loads For Space "P2-SL MULTIMEIOS" In Zone "P2-SL MULTIMEIOS"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	8 m²	511	-	8 m²	-	-
Wall Transmission	71 m²	2744	-	71 m²	2241	-
Roof Transmission	51 m²	1009	-	51 m²	668	-
Window Transmission	8 m²	463	-	8 m²	639	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	11 m²	383	-	11 m²	46	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	729 W	599	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	759 W	759	-	0	0	-
People	14	754	811	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	722	81	0%	0	0
>> Total Zone Loads	-	7944	892	-	3593	0

TABLE 35.1.B. Envelope Loads For Space "P2-SL MULTIMEIOS" In Zone "P2-SL MULTIMEIOS"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	7	2,589	-	176	-	222
WINDOW 1	8	6,884	0,880	463	511	639
<b>S EXPOSURE</b>						
WALL	15	2,589	-	504	-	462
<b>E EXPOSURE</b>						
WALL	30	2,589	-	1296	-	949
<b>W EXPOSURE</b>						
WALL	19	2,589	-	767	-	608
<b>H EXPOSURE</b>						
ROOF	51	1,080	-	1009	-	668

TABLE 36.1.A. Component Loads For Space "P2-UFG NET" In Zone "P2-UFG NET"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1700 COOLING OA DB / WB 33,0 °C / 23,3 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	-	-
Wall Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Roof Transmission	8 m <sup>2</sup>	186	-	8 m <sup>2</sup>	110	-
Window Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Skylight Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Door Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Floor Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Partitions	46 m <sup>2</sup>	1669	-	46 m <sup>2</sup>	196	-
Ceiling	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Overhead Lighting	66 W	70	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1245 W	1245	-	0	0	-
People	1	77	60	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	325	6	0%	0	0
>> Total Zone Loads	-	3572	66	-	305	0

TABLE 36.1.B. Envelope Loads For Space "P2-UFG NET" In Zone "P2-UFG NET"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m <sup>2</sup> )	(W/(m <sup>2</sup> ·K))	Coeff.	(W)	(W)	(W)
H EXPOSURE						
ROOF	8	1,080	-	186	-	110

TABLE 37.1.A. Component Loads For Space "TE-COORD.ADM." In Zone "TE*-COORD.ADM"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m²	375	-	6 m²	-	-
Wall Transmission	9 m²	254	-	9 m²	282	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	6 m²	348	-	6 m²	480	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	30 m²	1077	-	30 m²	129	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	184 W	151	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	192 W	192	-	0	0	-
People	6	352	379	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	275	38	0%	0	0
>> Total Zone Loads	-	3024	416	-	890	0

TABLE 37.1.B. Envelope Loads For Space "TE-COORD.ADM." In Zone "TE*-COORD.ADM"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	9	2,589	-	254	-	282
WINDOW 1	6	6,884	0,880	348	375	480

TABLE 38.1.A. Component Loads For Space "TE*-ESCRITÓRIO" In Zone "TE*-ESCRITÓRIO"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	-	-
Wall Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Roof Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Window Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Skylight Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Door Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Floor Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Partitions	37 m <sup>2</sup>	1322	-	37 m <sup>2</sup>	158	-
Ceiling	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Overhead Lighting	95 W	78	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	99 W	99	-	0	0	-
People	1	50	54	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	155	5	0%	0	0
>> Total Zone Loads	-	1704	59	-	158	0

TABLE 38.1.B. Envelope Loads For Space "TE*-ESCRITÓRIO" In Zone "TE*-ESCRITÓRIO"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m <sup>2</sup> )	(W/(m <sup>2</sup> ·K))	Coeff.	(W)	(W)	(W)

TABLE 39.1.A. Component Loads For Space "TE-ADM" In Zone "TE-ADM"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m²	575	-	6 m²	-	-
Wall Transmission	25 m²	713	-	25 m²	775	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	6 m²	326	-	6 m²	480	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	26 m²	915	-	26 m²	111	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	317 W	260	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	330 W	330	-	0	0	-
People	8	452	487	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	357	49	0%	0	0
>> Total Zone Loads	-	3928	535	-	1366	0

TABLE 39.1.B. Envelope Loads For Space "TE-ADM" In Zone "TE-ADM"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	9	2,589	-	357	-	297
WINDOW 1	6	6,884	0,880	326	575	480
<b>N EXPOSURE</b>						
WALL	15	2,589	-	355	-	478

TABLE 40.1.A. Component Loads For Space "TE-AUDITÓRIO" In Zone "TE-AUDITÓRIO"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m²	0	-	0 m²	-	-
Wall Transmission	324 m²	10854	-	324 m²	10253	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	0 m²	0	-	0 m²	0	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	0 m²	0	-	0 m²	0	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	5916 W	4863	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	3764 W	3763	-	0	0	-
People	162	9045	9736	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	2852	974	0%	0	0
>> Total Zone Loads	-	31377	10710	-	10253	0

TABLE 40.1.B. Envelope Loads For Space "TE-AUDITÓRIO" In Zone "TE-AUDITÓRIO"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	117	2,589	-	4446	-	3703
<b>N EXPOSURE</b>						
WALL	117	2,589	-	2754	-	3703
<b>W EXPOSURE</b>						
WALL	45	2,589	-	1796	-	1424
<b>E EXPOSURE</b>						
WALL	45	2,589	-	1857	-	1424

TABLE 41.1.A. Component Loads For Space "TE-COPA ALUNOS" In Zone "TE-COPA ALUNOS"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	3 m²	398	-	3 m²	-	-
Wall Transmission	4 m²	162	-	4 m²	134	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	3 m²	163	-	3 m²	240	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	32 m²	1131	-	32 m²	137	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	177 W	146	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	185 W	184	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	244	27	0%	0	0
>> Total Zone Loads	-	2679	297	-	512	0

TABLE 41.1.B. Envelope Loads For Space "TE-COPA ALUNOS" In Zone "TE-COPA ALUNOS"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	4	2,589	-	162	-	134
WINDOW 1	3	6,884	0,880	163	398	240



TABLE 42.1.A. Component Loads For Space "TE-COPA SERV. TERC." In Zone "TE-COPA SERV. TERC."						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m²	375	-	6 m²	-	-
Wall Transmission	31 m²	1172	-	31 m²	972	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	6 m²	348	-	6 m²	480	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	37 m²	1322	-	37 m²	158	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	528 W	434	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	551 W	550	-	0	0	-
People	15	854	920	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	506	92	0%	0	0
>> Total Zone Loads	-	5561	1011	-	1609	0

TABLE 42.1.B. Envelope Loads For Space "TE-COPA SERV. TERC." In Zone "TE-COPA SERV. TERC."						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	9	2,589	-	260	-	288
WINDOW 1	6	6,884	0,880	348	375	480
<b>E EXPOSURE</b>						
WALL	22	2,589	-	912	-	684

TABLE 43.1.A. Component Loads For Space "TE-COPA SERVIDORES" In Zone "TE-COPA SERVIDORES"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT May 1500 COOLING OA DB / WB 30,4 °C / 21,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	11 m <sup>2</sup>	2874	-	11 m <sup>2</sup>	-	-
Wall Transmission	17 m <sup>2</sup>	621	-	17 m <sup>2</sup>	544	-
Roof Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Window Transmission	11 m <sup>2</sup>	399	-	11 m <sup>2</sup>	959	-
Skylight Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Door Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Floor Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Partitions	46 m <sup>2</sup>	909	-	46 m <sup>2</sup>	196	-
Ceiling	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Overhead Lighting	419 W	339	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	437 W	436	-	0	0	-
People	16	886	974	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	647	97	0%	0	0
>> Total Zone Loads	-	7112	1071	-	1699	0

TABLE 43.1.B. Envelope Loads For Space "TE-COPA SERVIDORES" In Zone "TE-COPA SERVIDORES"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m <sup>2</sup> )	(W/(m <sup>2</sup> ·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	12	2,589	-	498	-	377
WINDOW 1	11	6,884	0,880	399	2874	959
<b>E EXPOSURE</b>						
WALL	5	2,589	-	123	-	168

TABLE 44.1.A. Component Loads For Space "TE-DIGITAL 02" In Zone "TE-DIGITAL 02"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	11 m <sup>2</sup>	1084	-	11 m <sup>2</sup>	-	-
Wall Transmission	40 m <sup>2</sup>	1547	-	40 m <sup>2</sup>	1253	-
Roof Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Window Transmission	11 m <sup>2</sup>	652	-	11 m <sup>2</sup>	959	-
Skylight Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Door Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Floor Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Partitions	22 m <sup>2</sup>	772	-	22 m <sup>2</sup>	94	-
Ceiling	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Overhead Lighting	1014 W	833	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1056 W	1056	-	0	0	-
People	14	754	811	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	670	81	0%	0	0
>> Total Zone Loads	-	7367	892	-	2306	0

TABLE 44.1.B. Envelope Loads For Space "TE-DIGITAL 02" In Zone "TE-DIGITAL 02"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m <sup>2</sup> )	(W/(m <sup>2</sup> ·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	18	2,589	-	665	-	554
WINDOW 1	6	6,884	0,880	326	575	480
WINDOW 2	6	6,884	0,880	326	509	480
<b>W EXPOSURE</b>						
WALL	22	2,589	-	882	-	699

TABLE 45.1.A. Component Loads For Space "TE-DIREÇÃO" In Zone "TE-DIREÇÃO"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m²	375	-	6 m²	-	-
Wall Transmission	9 m²	254	-	9 m²	282	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	6 m²	348	-	6 m²	480	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	41 m²	1446	-	41 m²	173	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	305 W	251	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	318 W	318	-	0	0	-
People	8	452	487	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	344	49	0%	0	0
>> Total Zone Loads	-	3788	535	-	934	0

TABLE 45.1.B. Envelope Loads For Space "TE-DIREÇÃO" In Zone "TE-DIREÇÃO"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	9	2,589	-	254	-	282
WINDOW 1	6	6,884	0,880	348	375	480

TABLE 46.1.A. Component Loads For Space "TE-DORMITÓRIOS" In Zone "TE-DORMITÓRIOS"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	3 m²	756	-	3 m²	-	-
Wall Transmission	22 m²	711	-	22 m²	701	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	3 m²	174	-	3 m²	240	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	37 m²	1322	-	37 m²	158	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	276 W	227	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	288 W	288	-	0	0	-
People	4	201	216	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	368	22	0%	0	0
>> Total Zone Loads	-	4047	238	-	1099	0

TABLE 46.1.B. Envelope Loads For Space "TE-DORMITÓRIOS" In Zone "TE-DORMITÓRIOS"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	15	2,589	-	417	-	462
W EXPOSURE						
WALL	8	2,589	-	295	-	239
WINDOW 1	3	6,884	0,880	174	756	240

TABLE 47.1.A. Component Loads For Space "TE-GABINETE-PROF-01" In Zone "TE-GABINETE-PROF-01"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	7 m²	648	-	7 m²	-	-
Wall Transmission	24 m²	825	-	24 m²	755	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	7 m²	380	-	7 m²	560	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	17 m²	590	-	17 m²	72	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	209 W	172	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	218 W	217	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	308	27	0%	0	0
>> Total Zone Loads	-	3391	297	-	1386	0

TABLE 47.1.B. Envelope Loads For Space "TE-GABINETE-PROF-01" In Zone "TE-GABINETE-PROF-01"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	7	2,589	-	172	-	231
WINDOW 1	4	6,884	0,880	217	249	320
<b>W EXPOSURE</b>						
WALL	13	2,589	-	503	-	399
<b>S EXPOSURE</b>						
WALL	4	2,589	-	150	-	125
WINDOW 1	3	6,884	0,880	163	398	240

TABLE 48.1.A. Component Loads For Space "TE-GABINETE-PROF-02" In Zone "TE-GABINETE-PROF-02"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	250	-	4 m²	-	-
Wall Transmission	7 m²	191	-	7 m²	212	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	232	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	36 m²	1262	-	36 m²	151	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	209 W	172	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	218 W	217	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	257	27	0%	0	0
>> Total Zone Loads	-	2832	297	-	683	0

TABLE 48.1.B. Envelope Loads For Space "TE-GABINETE-PROF-02" In Zone "TE-GABINETE-PROF-02"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	7	2,589	-	191	-	212
WINDOW 1	4	6,884	0,880	232	250	320

TABLE 49.1.A. Component Loads For Space "TE-GABINETE-PROF-03" In Zone "TE-GABINETE-PROF-03"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	250	-	4 m²	-	-
Wall Transmission	5 m²	131	-	5 m²	146	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	232	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	34 m²	1191	-	34 m²	142	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	190 W	156	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	198 W	198	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	241	27	0%	0	0
>> Total Zone Loads	-	2650	297	-	608	0

TABLE 49.1.B. Envelope Loads For Space "TE-GABINETE-PROF-03" In Zone "TE-GABINETE-PROF-03"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	5	2,589	-	131	-	146
WINDOW 1	4	6,884	0,880	232	250	320



TABLE 50.1.A. Component Loads For Space "TE-GABINETE-PROF-04" In Zone "TE-GABINETE-PROF-04"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	250	-	4 m²	-	-
Wall Transmission	7 m²	197	-	7 m²	218	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	232	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	36 m²	1272	-	36 m²	152	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	192 W	157	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	200 W	199	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	256	27	0%	0	0
>> Total Zone Loads	-	2815	297	-	690	0

TABLE 50.1.B. Envelope Loads For Space "TE-GABINETE-PROF-04" In Zone "TE-GABINETE-PROF-04"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	7	2,589	-	197	-	218
WINDOW 1	4	6,884	0,880	232	250	320

TABLE 51.1.A. Component Loads For Space "TE-GABINETE-PROF-05" In Zone "TE-GABINETE-PROF-05"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	250	-	4 m²	-	-
Wall Transmission	7 m²	191	-	7 m²	212	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	232	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	36 m²	1262	-	36 m²	151	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	192 W	157	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	200 W	199	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	254	27	0%	0	0
>> Total Zone Loads	-	2797	297	-	683	0

TABLE 51.1.B. Envelope Loads For Space "TE-GABINETE-PROF-05" In Zone "TE-GABINETE-PROF-05"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	7	2,589	-	191	-	212
WINDOW 1	4	6,884	0,880	232	250	320

TABLE 52.1.A. Component Loads For Space "TE-GABINETE-PROF-06" In Zone "TE-GABINETE-PROF-06"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	250	-	4 m²	-	-
Wall Transmission	4 m²	126	-	4 m²	139	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	232	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	33 m²	1184	-	33 m²	142	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	190 W	156	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	198 W	198	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	240	27	0%	0	0
>> Total Zone Loads	-	2636	297	-	601	0

TABLE 52.1.B. Envelope Loads For Space "TE-GABINETE-PROF-06" In Zone "TE-GABINETE-PROF-06"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	4	2,589	-	126	-	139
WINDOW 1	4	6,884	0,880	232	250	320

TABLE 53.1.A. Component Loads For Space "TE-GABINETE-PROF-07" In Zone "TE-GABINETE-PROF-07"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	250	-	4 m²	-	-
Wall Transmission	7 m²	197	-	7 m²	218	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	232	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	36 m²	1272	-	36 m²	152	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	192 W	157	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	200 W	199	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	256	27	0%	0	0
>> Total Zone Loads	-	2815	297	-	690	0

TABLE 53.1.B. Envelope Loads For Space "TE-GABINETE-PROF-07" In Zone "TE-GABINETE-PROF-07"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	7	2,589	-	197	-	218
WINDOW 1	4	6,884	0,880	232	250	320

TABLE 54.1.A. Component Loads For Space "TE-GABINETE-PROF-08" In Zone "TE-GABINETE-PROF-08"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	250	-	4 m²	-	-
Wall Transmission	7 m²	191	-	7 m²	212	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	232	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	36 m²	1262	-	36 m²	151	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	192 W	157	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	200 W	199	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	254	27	0%	0	0
>> Total Zone Loads	-	2797	297	-	683	0

TABLE 54.1.B. Envelope Loads For Space "TE-GABINETE-PROF-08" In Zone "TE-GABINETE-PROF-08"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	7	2,589	-	191	-	212
WINDOW 1	4	6,884	0,880	232	250	320

TABLE 55.1.A. Component Loads For Space "TE-GABINETE-PROF-09" In Zone "TE-GABINETE-PROF-09"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	7 m²	718	-	7 m²	-	-
Wall Transmission	24 m²	873	-	24 m²	755	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	7 m²	380	-	7 m²	560	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	17 m²	590	-	17 m²	72	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	209 W	172	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	218 W	217	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	320	27	0%	0	0
>> Total Zone Loads	-	3522	297	-	1386	0

TABLE 55.1.B. Envelope Loads For Space "TE-GABINETE-PROF-09" In Zone "TE-GABINETE-PROF-09"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	7	2,589	-	277	-	231
WINDOW 1	4	6,884	0,880	217	531	320
<b>W EXPOSURE</b>						
WALL	13	2,589	-	503	-	399
<b>N EXPOSURE</b>						
WALL	4	2,589	-	93	-	125
WINDOW 1	3	6,884	0,880	163	187	240

TABLE 56.1.A. Component Loads For Space "TE-GABINETE-PROF-10" In Zone "TE-GABINETE-PROF-10"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	531	-	4 m²	-	-
Wall Transmission	7 m²	255	-	7 m²	212	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	217	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	36 m²	1243	-	36 m²	151	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	209 W	172	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	218 W	217	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	289	27	0%	0	0
>> Total Zone Loads	-	3175	297	-	683	0

TABLE 56.1.B. Envelope Loads For Space "TE-GABINETE-PROF-10" In Zone "TE-GABINETE-PROF-10"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	7	2,589	-	255	-	212
WINDOW 1	4	6,884	0,880	217	531	320

TABLE 57.1.A. Component Loads For Space "TE-GABINETE-PROF-11" In Zone "TE-GABINETE-PROF-11"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	531	-	4 m²	-	-
Wall Transmission	7 m²	255	-	7 m²	212	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	217	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	36 m²	1243	-	36 m²	151	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	192 W	157	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	200 W	199	-	0	0	-
People	5	301	325	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	290	32	0%	0	0
>> Total Zone Loads	-	3195	357	-	683	0

TABLE 57.1.B. Envelope Loads For Space "TE-GABINETE-PROF-11" In Zone "TE-GABINETE-PROF-11"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	7	2,589	-	255	-	212
WINDOW 1	4	6,884	0,880	217	531	320



TABLE 58.1.A. Component Loads For Space "TE-GABINETE-PROF-12" In Zone "TE-GABINETE-PROF-12"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	531	-	4 m²	-	-
Wall Transmission	7 m²	255	-	7 m²	212	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	217	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	45 m²	1554	-	45 m²	189	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	192 W	157	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	200 W	199	-	0	0	-
People	5	301	325	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	321	32	0%	0	0
>> Total Zone Loads	-	3536	357	-	720	0

TABLE 58.1.B. Envelope Loads For Space "TE-GABINETE-PROF-12" In Zone "TE-GABINETE-PROF-12"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	7	2,589	-	255	-	212
WINDOW 1	4	6,884	0,880	217	531	320

TABLE 59.1.A. Component Loads For Space "TE-GABINETE-PROF-13" In Zone "TE-GABINETE-PROF-13"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	531	-	4 m²	-	-
Wall Transmission	7 m²	255	-	7 m²	212	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	217	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	36 m²	1243	-	36 m²	151	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	192 W	157	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	200 W	199	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	285	27	0%	0	0
>> Total Zone Loads	-	3139	297	-	683	0

TABLE 59.1.B. Envelope Loads For Space "TE-GABINETE-PROF-13" In Zone "TE-GABINETE-PROF-13"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	7	2,589	-	255	-	212
WINDOW 1	4	6,884	0,880	217	531	320

TABLE 60.1.A. Component Loads For Space "TE-GABINETE-PROF-14" In Zone "TE-GABINETE-PROF-14"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	531	-	4 m²	-	-
Wall Transmission	6 m²	239	-	6 m²	199	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	217	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	35 m²	1229	-	35 m²	149	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	192 W	157	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	200 W	199	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	282	27	0%	0	0
>> Total Zone Loads	-	3107	297	-	668	0

TABLE 60.1.B. Envelope Loads For Space "TE-GABINETE-PROF-14" In Zone "TE-GABINETE-PROF-14"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	6	2,589	-	239	-	199
WINDOW 1	4	6,884	0,880	217	531	320

TABLE 61.1.A. Component Loads For Space "TE-GABINETE-PROF-15" In Zone "TE-GABINETE-PROF-15"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	531	-	4 m²	-	-
Wall Transmission	7 m²	255	-	7 m²	212	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	217	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	36 m²	1243	-	36 m²	151	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	192 W	157	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	200 W	199	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	285	27	0%	0	0
>> Total Zone Loads	-	3139	297	-	683	0

TABLE 61.1.B. Envelope Loads For Space "TE-GABINETE-PROF-15" In Zone "TE-GABINETE-PROF-15"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	7	2,589	-	255	-	212
WINDOW 1	4	6,884	0,880	217	531	320

TABLE 62.1.A. Component Loads For Space "TE-REUNIÕES 01" In Zone "TE-REUNIÕES 01"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Apr 1600 COOLING OA DB / WB 31,7 °C / 22,4 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	8 m²	1405	-	8 m²	-	-
Wall Transmission	35 m²	1372	-	35 m²	1097	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	8 m²	344	-	8 m²	634	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	66 m²	1812	-	66 m²	279	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	996 W	819	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1038 W	1038	-	0	0	-
People	42	2362	2542	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	915	254	0%	0	0
>> Total Zone Loads	-	10067	2796	-	2011	0

TABLE 62.1.B. Envelope Loads For Space "TE-REUNIÕES 01" In Zone "TE-REUNIÕES 01"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>N EXPOSURE</b>						
WALL	23	2,589	-	1004	-	717
WINDOW 1	8	6,884	0,880	344	1405	634
<b>E EXPOSURE</b>						
WALL	2	2,589	-	55	-	57
<b>W EXPOSURE</b>						
WALL	10	2,589	-	313	-	323

TABLE 63.1.A. Component Loads For Space "TE-REUNIÕES 02" In Zone "TE-REUNIÕES 02"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	11 m²	749	-	11 m²	-	-
Wall Transmission	18 m²	519	-	18 m²	576	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	11 m²	695	-	11 m²	959	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	74 m²	2612	-	74 m²	312	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1037 W	852	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1080 W	1080	-	0	0	-
People	42	2362	2542	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	887	254	0%	0	0
>> Total Zone Loads	-	9756	2796	-	1848	0

TABLE 63.1.B. Envelope Loads For Space "TE-REUNIÕES 02" In Zone "TE-REUNIÕES 02"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	18	2,589	-	519	-	576
WINDOW 1	11	6,884	0,880	695	749	959

TABLE 64.1.A. Component Loads For Space "TE-REUNIÕES 03" In Zone "TE-REUNIÕES 03"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	9 m²	873	-	9 m²	-	-
Wall Transmission	19 m²	616	-	19 m²	609	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	9 m²	489	-	9 m²	719	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	34 m²	1177	-	34 m²	143	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	389 W	320	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	405 W	405	-	0	0	-
People	14	754	811	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	463	81	0%	0	0
>> Total Zone Loads	-	5095	892	-	1471	0

TABLE 64.1.B. Envelope Loads For Space "TE-REUNIÕES 03" In Zone "TE-REUNIÕES 03"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
<b>S EXPOSURE</b>						
WALL	8	2,589	-	285	-	237
WINDOW 1	6	6,884	0,880	326	575	480
<b>N EXPOSURE</b>						
WALL	9	2,589	-	205	-	275
<b>E EXPOSURE</b>						
WALL	3	2,589	-	126	-	97
WINDOW 1	3	6,884	0,880	163	298	240

TABLE 65.1.A. Component Loads For Space "TE-SECRETARIA" In Zone "TE-SECRETARIA"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	11 m²	749	-	11 m²	-	-
Wall Transmission	18 m²	499	-	18 m²	554	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	11 m²	695	-	11 m²	959	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	103 m²	3650	-	103 m²	437	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	1342 W	1103	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1398 W	1398	-	0	0	-
People	16	904	974	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	900	97	0%	0	0
>> Total Zone Loads	-	9900	1071	-	1950	0

TABLE 65.1.B. Envelope Loads For Space "TE-SECRETARIA" In Zone "TE-SECRETARIA"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	18	2,589	-	499	-	554
WINDOW 1	6	6,884	0,880	348	375	480
WINDOW 2	6	6,884	0,880	348	375	480



TABLE 66.1.A. Component Loads For Space "TE-SL DE COORD-01" In Zone "TE-SL DE COORD-01"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Mar 1600 COOLING OA DB / WB 32,8 °C / 22,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m²	0	-	0 m²	-	-
Wall Transmission	8 m²	275	-	8 m²	237	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	0 m²	0	-	0 m²	0	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	26 m²	858	-	26 m²	109	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	107 W	88	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	111 W	111	-	0	0	-
People	3	151	162	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	148	16	0%	0	0
>> Total Zone Loads	-	1631	178	-	346	0

TABLE 66.1.B. Envelope Loads For Space "TE-SL DE COORD-01" In Zone "TE-SL DE COORD-01"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	8	2,589	-	275	-	237

TABLE 67.1.A. Component Loads For Space "TE-SL DE COORD-02" In Zone "TE-SL DE COORD-02"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Mar 1600 COOLING OA DB / WB 32,8 °C / 22,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m²	0	-	0 m²	-	-
Wall Transmission	8 m²	279	-	8 m²	241	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	0 m²	0	-	0 m²	0	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	26 m²	858	-	26 m²	109	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	107 W	88	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	111 W	111	-	0	0	-
People	3	151	162	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	149	16	0%	0	0
>> Total Zone Loads	-	1635	178	-	349	0

TABLE 67.1.B. Envelope Loads For Space "TE-SL DE COORD-02" In Zone "TE-SL DE COORD-02"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	8	2,589	-	279	-	241

TABLE 68.1.A. Component Loads For Space "TE-SL DE COORD-03" In Zone "TE-SL DE COORD-03"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Mar 1600 COOLING OA DB / WB 32,8 °C / 22,9 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m²	0	-	0 m²	-	-
Wall Transmission	8 m²	279	-	8 m²	241	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	0 m²	0	-	0 m²	0	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	26 m²	858	-	26 m²	109	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	107 W	88	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	111 W	111	-	0	0	-
People	3	151	162	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	149	16	0%	0	0
>> Total Zone Loads	-	1635	178	-	349	0

TABLE 68.1.B. Envelope Loads For Space "TE-SL DE COORD-03" In Zone "TE-SL DE COORD-03"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	8	2,589	-	279	-	241

TABLE 69.1.A. Component Loads For Space "TE-SL DE COORD-04" In Zone "TE-SL DE COORD-04"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	3 m²	398	-	3 m²	-	-
Wall Transmission	5 m²	177	-	5 m²	147	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	3 m²	163	-	3 m²	240	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	26 m²	894	-	26 m²	109	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	107 W	88	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	111 W	111	-	0	0	-
People	3	151	162	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	198	16	0%	0	0
>> Total Zone Loads	-	2180	178	-	495	0

TABLE 69.1.B. Envelope Loads For Space "TE-SL DE COORD-04" In Zone "TE-SL DE COORD-04"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	5	2,589	-	177	-	147
WINDOW 1	3	6,884	0,880	163	398	240

TABLE 70.1.A. Component Loads For Space "TE-SL DE COORD-05" In Zone "TE-SL DE COORD-05"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	3 m²	398	-	3 m²	-	-
Wall Transmission	5 m²	181	-	5 m²	150	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	3 m²	163	-	3 m²	240	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	26 m²	894	-	26 m²	109	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	105 W	86	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	110 W	109	-	0	0	-
People	3	151	162	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	198	16	0%	0	0
>> Total Zone Loads	-	2180	178	-	499	0

TABLE 70.1.B. Envelope Loads For Space "TE-SL DE COORD-05" In Zone "TE-SL DE COORD-05"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	5	2,589	-	181	-	150
WINDOW 1	3	6,884	0,880	163	398	240

TABLE 71.1.A. Component Loads For Space "TE-SL DE COORD-06" In Zone "TE-SL DE COORD-06"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Dec 1600 COOLING OA DB / WB 33,4 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	3 m²	398	-	3 m²	-	-
Wall Transmission	5 m²	177	-	5 m²	147	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	3 m²	163	-	3 m²	240	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	26 m²	894	-	26 m²	109	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	118 W	97	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	123 W	123	-	0	0	-
People	3	151	162	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	200	16	0%	0	0
>> Total Zone Loads	-	2203	178	-	495	0

TABLE 71.1.B. Envelope Loads For Space "TE-SL DE COORD-06" In Zone "TE-SL DE COORD-06"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	5	2,589	-	177	-	147
WINDOW 1	3	6,884	0,880	163	398	240

TABLE 72.1.A. Component Loads For Space "TE-SL-DESCOMPRESSÃO" In Zone "TE-SL-DESCOMPRESSÃO"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Feb 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m²	250	-	4 m²	-	-
Wall Transmission	4 m²	103	-	4 m²	114	-
Roof Transmission	0 m²	0	-	0 m²	0	-
Window Transmission	4 m²	232	-	4 m²	320	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	0 m²	0	-	0 m²	0	-
Partitions	33 m²	1155	-	33 m²	138	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	176 W	144	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	183 W	183	-	0	0	-
People	5	251	270	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	232	27	0%	0	0
>> Total Zone Loads	-	2550	297	-	572	0

TABLE 72.1.B. Envelope Loads For Space "TE-SL-DESCOMPRESSÃO" In Zone "TE-SL-DESCOMPRESSÃO"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m²)	(W/(m²·K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	4	2,589	-	103	-	114
WINDOW 1	4	6,884	0,880	232	250	320

TABLE 73.1.A. Component Loads For Space "P1-UFG NET" In Zone "P1-UFG-NET"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	-	-
Wall Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Roof Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Window Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Skylight Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Door Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Floor Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Partitions	46 m <sup>2</sup>	1637	-	46 m <sup>2</sup>	196	-
Ceiling	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Overhead Lighting	120 W	98	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1245 W	1245	-	0	0	-
People	2	100	108	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	308	11	0%	0	0
>> Total Zone Loads	-	3389	119	-	196	0

TABLE 73.1.B. Envelope Loads For Space "P1-UFG NET" In Zone "P1-UFG-NET"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m <sup>2</sup> )	(W/(m <sup>2</sup> ·K))	Coeff.	(W)	(W)	(W)



TABLE 74.1.A. Component Loads For Space "TE-UFG NET" In Zone "TE-UFG-NET"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1600 COOLING OA DB / WB 33,9 °C / 23,5 °C OCCUPIED T-STAT 23,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB 8,9 °C / 4,3 °C OCCUPIED T-STAT 21,1 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	-	-
Wall Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Roof Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Window Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Skylight Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Door Loads	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Floor Transmission	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Partitions	46 m <sup>2</sup>	1637	-	46 m <sup>2</sup>	196	-
Ceiling	0 m <sup>2</sup>	0	-	0 m <sup>2</sup>	0	-
Overhead Lighting	120 W	98	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	1245 W	1245	-	0	0	-
People	2	100	108	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	308	11	0%	0	0
>> Total Zone Loads	-	3389	119	-	196	0

TABLE 74.1.B. Envelope Loads For Space "TE-UFG NET" In Zone "TE-UFG-NET"						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m <sup>2</sup> )	(W/(m <sup>2</sup> ·K))	Coeff.	(W)	(W)	(W)

## 3.8 Tabela Resumo de Carga Térmica - UFG

	Nome do Ambiente	Area	CARGA TÉRMICA	VAZÃO DE AR EXTERNO	VAZÃO DE AR EXTERNO	EQUIPAMENTO AR EXTERNO	
		(m²)	[TR]	[m³/h]	[m³/h]	MODELO	TAG
TE	TE-GABINETE-PROF-01	14,5	1,2	60	990	GFR-280M - G4/M5	GAE-TE-01
TE	TE-GABINETE-PROF-02	14,5	1,1	60			
TE	TE-GABINETE-PROF-03	13,2	1	60			
TE	TE-GABINETE-PROF-04	13,3	1,1	60			
TE	TE-GABINETE-PROF-05	13,3	1	60			
TE	TE-GABINETE-PROF-06	13,2	1	60			
TE	TE-GABINETE-PROF-07	13,3	1,1	60			
TE	TE-GABINETE-PROF-08	13,3	1	70			
TE	TE-SL-DESCOMPRESSÃO	12,2	0,9	60			
TE	TE-GABINETE-PROF-09	14,5	1,3	60			
TE	TE-GABINETE-PROF-10	14,5	1,2	60			
TE	TE-GABINETE-PROF-11	13,3	1,2	70			
TE	TE-GABINETE-PROF-12	13,3	1,3	70			
TE	TE-GABINETE-PROF-13	13,3	1,1	60			
TE	TE-GABINETE-PROF-14	13,3	1,1	60			
TE	TE-GABINETE-PROF-15	13,3	1,1	60			
TE	TE-REUNIÕES 01	69,2	4,5	497	497	FH-150	GAE-TE-02
TE	TE-COPA SERVIDORES	29,1	2,9	342	785	FH-200 - G4/M4	GAE-TE-03
TE	TE-UFG NET	8,3	1,2				
TE	TE-SECRETARIA	93,2	4,3	263			
TE	TE-COORD.ADM	12,8	1,1	76			
TE	TE-DIREÇÃO	21,2	1,5	104			
TE	TE-REUNIÕES 02	72	4,6	500	500	FH-150	GAE-TE-04
TE	TE-COPA SERV. TERC.	36,7	2,7	353	353	FILBOX QUAD 150 + MAXX 150 VEL MIN - G4/M5	VAE-TE-01
TE	TE-AUDITÓRIO	250,9	15,4	1.890	1.890	FH 355 - G4/M5	GAE-TE-05
TE	TE-DIGITAL 02	70,4	3,3	212		FH-100	GAE-TE-06
TE	TE-ADM	22	1,5	104	320	FILBOX QUAD 150 + MAXX 150 VEL MIN - G4/M5	VAE-TE-02
TE	TE-SL DE COORD-01	7,4	0,6	36			
TE	TE-SL DE COORD-02	7,4	0,6	36			
TE	TE-SL DE COORD-03	7,4	0,6	36			
TE	TE-SL DE COORD-04	7,4	0,7	36			
TE	TE-SL DE COORD-05	7,3	0,8	36			
TE	TE-SL DE COORD-06	8,2	0,8	36			
TE	TE-REUNIÕES 03	27	2	166	166	FILBOX QUAD 125 + MAXX 125 VEL MIN - G4/M5	VAE-TE-03
TE	TE-COPA ALUNOS	12,3	1,1	108	108	FILBOX RED 100 + MAXX 100 VEL MIN - G4/M5	VAE-TE-04
TE	TE-DORMITÓRIOS	19,2	1,5	58		NÃO PREVISTO	

	Nome do Ambiente	Area	CARGA TÉRMICA	VAZÃO DE AR EXTERNO	VAZÃO DE AR EXTERNO	EQUIPAMENTO AR EXTERNO	
		(m²)	[TR]	[m³/h]	[m³/h]	MODELO	TAG
P1	P1- LABORATÓRIO 01	100,6	7,8	1.134	1.134	GFR 230 M VEL BAIXA - G4/M5	
P1	P1-SL DE AULA 01	70,8	5,3	774	774	FH 200 - G4/M5	
P1	P1-SL DE AULA 02	69,1	5	774	774	FH 200 - G4/M5	
P1	P1-SL DE AULA 03	69,2	4,7	774	774	FH 200 - G4/M5	
P1	P1- LABORATÓRIO DE TI	29,1	2,4	176	176	FILBOX QUAD 125 + MAXX 125 VEL MIN - G4/M5	
P1	P1-UFG NET	8,3	1,2	54	54	NÃO PREVISTO	
P1	P1-SL DE AULA 04	69,1	5	774	774	FH 200 - G4/M5	
P1	P1-SL DE AULA 05	70,8	5,1	774	774	FH 200 - G4/M5	
P1	P1-SL DE AULA 06	70,8	5,2	774	774	FH 200 - G4/M5	
P1	P1-SL MULTIMEIOS	50,6	3,2	396	396	FILBOX QUAD 150 + ACI 150 - G4/M5	
P1	P1- LABORATÓRIO 02	101,6	7,6	1.138	1.138	GFR 230 M VEL BAIXA - G4/M5	
P1	P1-SL DE AULA 07	70,9	4,9	774	774	FH 200 - G4/M5	
P1	P1-SL DE AULA 08	69,2	5,1	774	774	FH 200 - G4/M5	
P1	P1-BIBLIOTECA	244,1	9,6	605	605	2 x [FILBOX QUAD 150 + MAXX 150 VEL MIN - G4/M5]	
P1	P1-SL DE AULA 09	69,1	5,1	774	774	FH 200 - G4/M5	
P1	P1-SL DE AULA 10	70,8	5,1	774	774	FH 200 - G4/M5	
P1	P1-SL DE AULA 11	70,8	5,1	774	774	FH 200 - G4/M5	
P1	P1- LABORATÓRIO 03	99,2	7,2	1.134	1.134	GFR 230 M VEL BAIXA - G4/M5	
P2	P2- LABORATÓRIO 01	100,6	8,5	1.134	1.134	GFR 230 M VEL BAIXA - G4/M5	
P2	P2-SL DE AULA 01	70,8	5,6	774	774	FH 200 - G4/M5	
P2	P2-SL DE AULA 02	69,1	5,3	774	774	FH 200 - G4/M5	
P2	P2-SL DE AULA 03	69,2	5,2	774	774	FH 200 - G4/M5	
P2	P2- LABORATÓRIO DE TI	29,1	2,5	169	169	FILBOX QUAD 125 + MAXX 125 VEL MIN - G4/M5	
P2	P2-UFG NET	8,3	1,2	54	54	NÃO PREVISTO	
P2	P2-SL DE AULA 04	69,1	5,4	774	774	FH 200 - G4/M5	
P2	P2-SL DE AULA 05	70,8	5,5	774	774	FH 200 - G4/M5	
P2	P2-SL DE AULA 06	70,8	5,1	774	774	FH 200 - G4/M5	
P2	P2-SL MULTIMEIOS	50,6	3,3	259	259	FILBOX QUAD 150 + MAXX 150 VEL MIN - G4/F8	
P2	P2-LABORATÓRIO 02	101,6	8,2	1.138	1.138	GFR 230 M VEL BAIXA - G4/M5	
P2	P2-SL DE AULA 07	70,9	5,4	774	774	FH 200 - G4/M5	
P2	P2-SL DE AULA 08	69,2	5,5	774	774	FH 200 - G4/M5	
P2	P2- HALL COMUM ESQ	121,4	8,3	1.199	1.199	GFR 230 M VEL MEDIA - G4/M5	
P2	P2- HALL COMUM DIR	121,4	7,3	1.199	1.199	GFR 230 M VEL MEDIA - G4/M5	
P2	P2-SL DE AULA 09	69,1	5,5	774	774	FH 200 - G4/M5	
P2	P2-SL DE AULA 10	70,8	5,7	774	774	FH 200 - G4/M5	
P2	P2-SL DE AULA 11	70,8	5,7	774	774	FH 200 - G4/M5	
P2	P2-LABORATÓRIO 03	99,2	7,9	1.134	1.134	GFR 230 M VEL BAIXA - G4/M5	