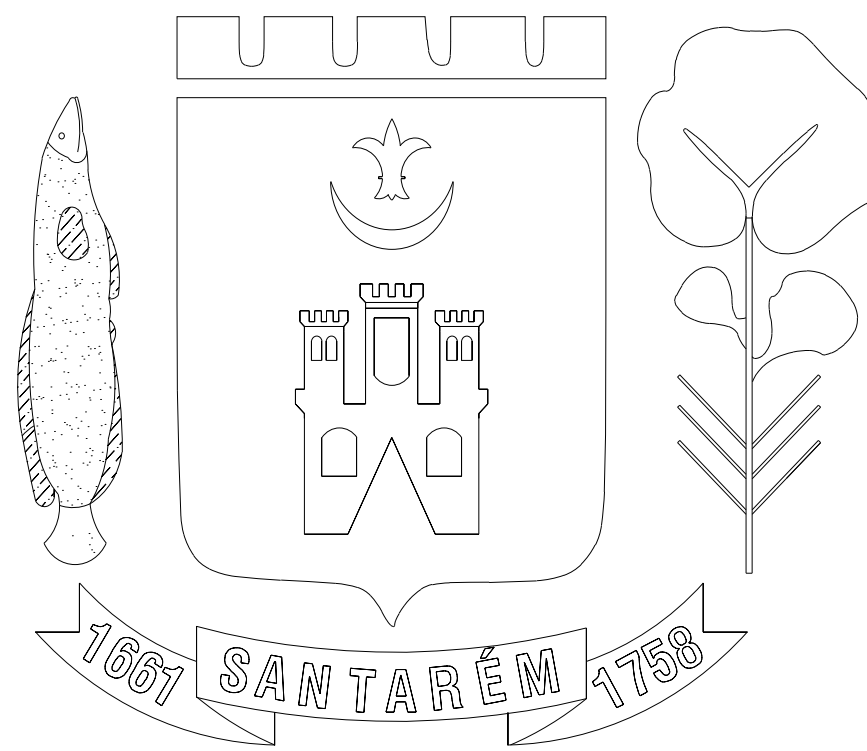




**PREFEITURA DE SANTARÉM**

**PREFEITO**  
**JOSÉ MARIA TAPAJÓS**

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**SECRETÁRIA MUNICIPAL DE EDUCAÇÃO**  
**MARIA JOSÉ MAIA DA SILVA**

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**NÚCLEO DE ENGENHARIA**

**Eng. LAURO SERGIO COSTA SILVA - CREA: 10.702 D/PA**

---

**Eng. Adam Lucas Carvalho de Sousa - CREA: 1521316945/PA**

**Eng. Adilson Guilherme Feitosa de Oliveira - CREA: 1518550290**

**ARQ. Bruno Almeida Andrade - CAU: A191028-0**

**Eng. Fabio Andrey Souza Melo - CREA: 28.961 D/PA**

**Eng<sup>a</sup>. Silvia Raquel de Oliveira Pimentel - CREA: 14.096 D/PA**

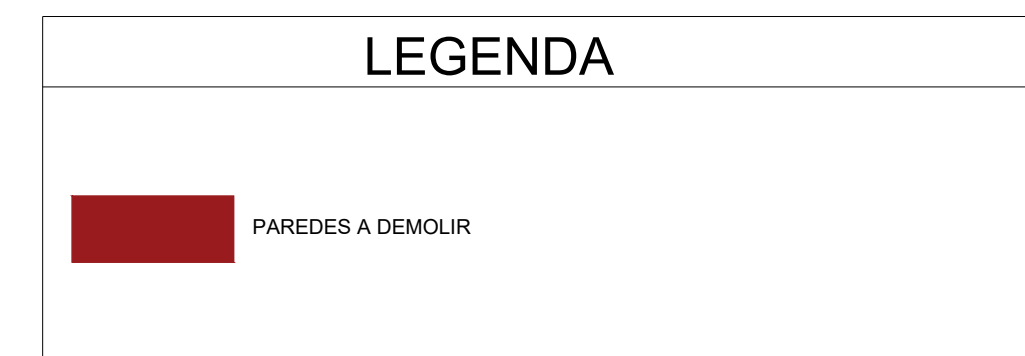
**REFORMA E AMPLIAÇÃO**

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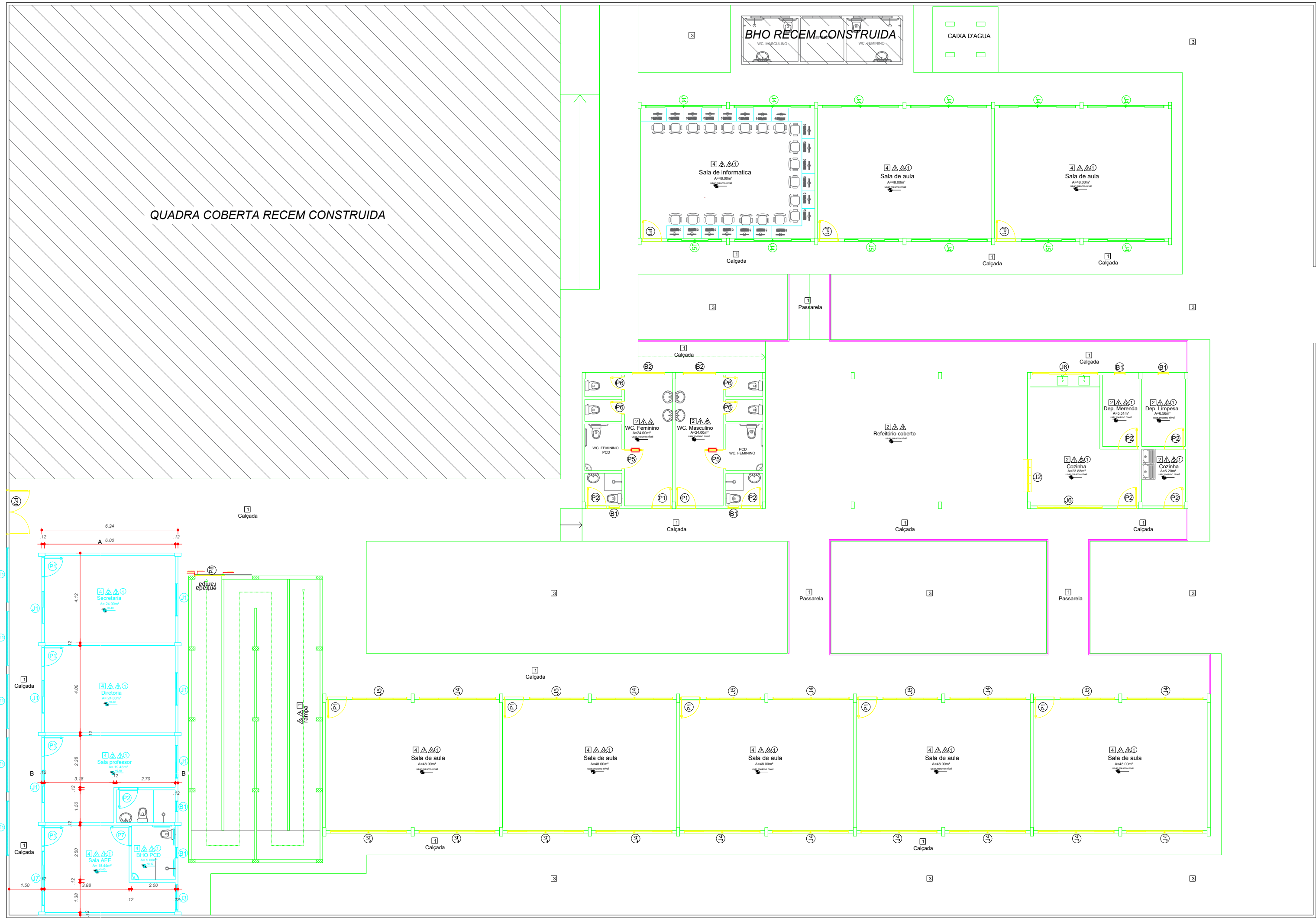
**PADRE FELIPE BETTENDORF**

**BAIRRO MARACANÃ**

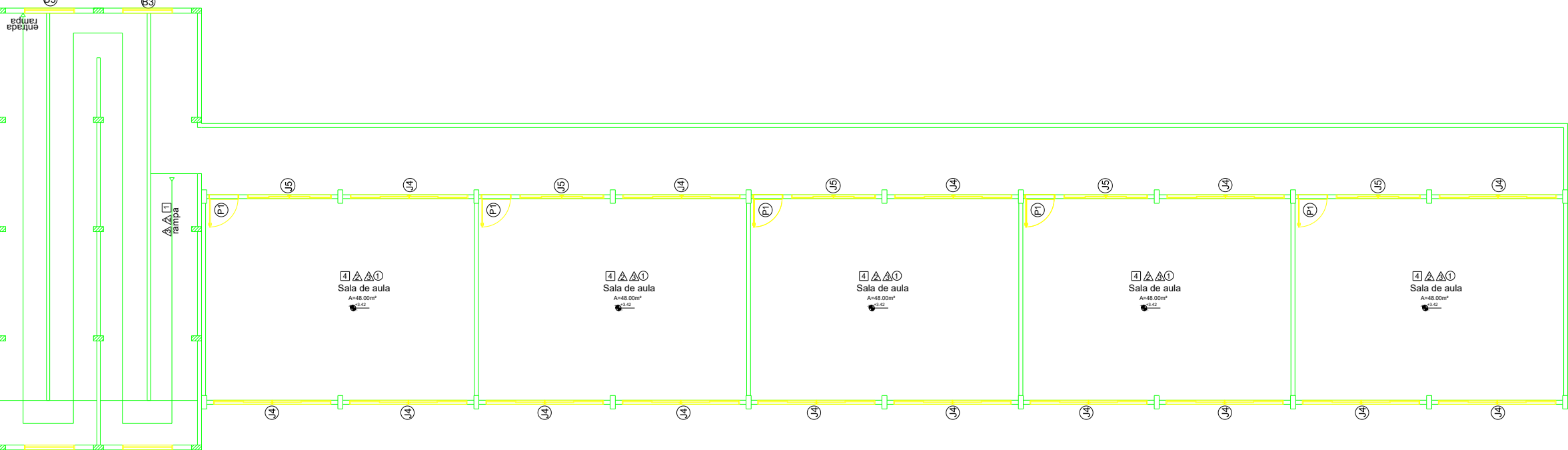
**COORDENADAS: (-2.437911, -54.756077)**



|                                                                                                                                                                                                                               |                                                                                                                                                                                         |                                          |                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------|
|  <p><b>PREFEITO</b><br/><b>JOSÉ MARIA TAPAJÓS</b></p> <p><b>SECRETARIA MUNICIPAL DE EDUCAÇÃO</b><br/><b>MARIA JOSÉ MAIA DA SILVA</b></p> | <p>FOLHA:</p> <p><b>01/12</b></p>                                                                                                                                                       | <p>TÍTULO:</p> <p><b>ARQUITETURA</b></p> | <p>RESPONSÁVEL TÉCNICO:</p> <p><b>BRUNO ALEMEIDA ANDRADE</b><br/><b>CAU - ARQUITETO</b></p> |
|                                                                                                                                                                                                                               | <p>ASSUNTO:</p> <p><b>PLANTA BAIXA EXISTENTE REFORMA E AMPLIAÇÃO</b><br/><b>PADEIR FELIPE BASTENDORF</b><br/><b>BAIRRO MARACANA</b><br/><b>COORDENADAS: (-2,437911, -54,756077)</b></p> | <p>ESCALA:</p> <p><b>INDICADA</b></p>    | <p>DATA:</p> <p><b>19/05/2025</b></p>                                                       |
| <p>DESENHO: <b>BRUNO ALEMEIDA ANDRADE</b></p>                                                                                                                                                                                 |                                                                                                                                                                                         |                                          |                                                                                             |



PLANTA BAIXA REFORMA E AMPLIAÇÃO  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÃ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 150



PLANTA DE PISO TATIL.1 PAVIMENTODE  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÃ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 150

LEGENDA

NOVA ESQUADRIAS A SEREM TROCADAS

GUARDA CORPO

A PERMANECER E REFORMAR

PAREDES, PILARES, CALÇADAS E ESQUADRIAS A CONSTRUIR

| TABELA DE ESQUADRIAS |            |           |           |                                        | TABELA |                 |
|----------------------|------------|-----------|-----------|----------------------------------------|--------|-----------------|
| CÓDIGO               | LARGURA(M) | ALTURA(M) | ÁREA (M²) | MATERIAL                               | QUANT. | GRADES DE FERRO |
| P1                   | 0.90       | 2.10      | 1.89      | Porta em madeira                       | 19     |                 |
| P2                   | 0.80       | 2.10      | 1.68      | Porta em madeira                       | 07     |                 |
| P3                   | 1.50       | 2.10      | 3.15      | Portão metálico 2 folhas               | 01     |                 |
| P4                   | 3.50       | 2.10      | 7.35      | Portão metálico 1 folhas/ Correr       | 01     |                 |
| P5                   | 0.90       | 1.80      | 1.62      | Porta em madeira com puchador metálico | 02     |                 |
| P6                   | 0.60       | 1.80      | 1.08      | Porta em madeira                       | 04     |                 |
| P7                   | 0.90       | 2.10      | 1.89      | Porta em madeira com puchador metálico | 01     |                 |
| P8                   | 1.40       | 2.50      | 3.50      | Portão metálico de correr              | 01     |                 |

| CÓDIGO | LARGURA(M) | ALTURA(M) | ÁREA (M²) | MATERIAL                            | QUANT. | MATERIAL       |
|--------|------------|-----------|-----------|-------------------------------------|--------|----------------|
| J1     | 1.50       | 1.10      | 1.65      | Vidro/ correr                       | 04     | Grade de Ferro |
| J2     | 1.50       | 1.10      | 1.65      | Alumínio/ Rolo                      | 01     |                |
| J3     | 1.20       | 1.10      | 1.32      | Alumínio e vidro 2 folhas de correr | 01     | Grade de Ferro |
| J4     | 3.50       | 0.70      | 2.45      | Alumínio e vidro 4 folhas de correr | 30     | Grade de Ferro |
| J5     | 2.50       | 0.70      | 1.75      | Alumínio e vidro 4 folhas de correr | 10     | Grade de Ferro |
| J6     | 3.00       | 0.70      | 2.10      | Alumínio e vidro 4 folhas de correr | 02     | Grade de Ferro |
| J7     | 2.50       | 0.70      | 1.75      | Alumínio e vidro 4 folhas de correr | 01     | Grade de Ferro |

| CÓDIGO | LARGURA(M) | ALTURA(M) | ÁREA (M²) | MATERIAL                     | QUANT. | MATERIAL       |
|--------|------------|-----------|-----------|------------------------------|--------|----------------|
| B1     | 0.40       | 0.50      | 0.20      | Alumínio e vidro/ BASCULANTE | 06     | Grade de Ferro |
| B2     | 1.50       | 0.70      | 1.05      | Alumínio e vidro/ CORRER     | 02     | Grade de Ferro |
| B3     | 3.00       | 0.70      | 2.10      | Alumínio e vidro/ CORRER     | 03     | Grade de Ferro |

| CÓDIGO | LARGURA(M) | ALTURA(M) | ÁREA (M²) | MATERIAL                 | QUANT. | MATERIAL |
|--------|------------|-----------|-----------|--------------------------|--------|----------|
| T1     | 2.50       | 0.85      | 2.13      | Alumínio e vidro/ CORRER | 05     |          |

| CÓDIGO | LARGURA(M) | ALTURA(M) | ÁREA (M²) | MATERIAL | QUANT. | MATERIAL |
|--------|------------|-----------|-----------|----------|--------|----------|
|        |            |           |           |          |        |          |
|        |            |           |           |          |        |          |
|        |            |           |           |          |        |          |

ESPECIFICAÇÕES

PISO

1 - CIMENTADO DESEMPENADO, COM JUNTAS PLASTICAS A CADA 1,20 M

2 - CERÂMICA 40x40 cm, PEI-5, COR BRANCO GELO, ANTIDERRAPANTE

3 - GRAMADO

4 - CERÂMICA 40x40 cm, PEI-5, COR BRANCO GELO, POLIDO

PAREDE

1 - CERÂMICA 30x40 cm COR BRANCO GELO, ATÉ 2.10m DO PISO PRONTO

2 - PINTURA ESMALTE SINTETICO COR MARFIM, SOBRE SELADOR DO PISO ATÉ 1m DE ALTURA

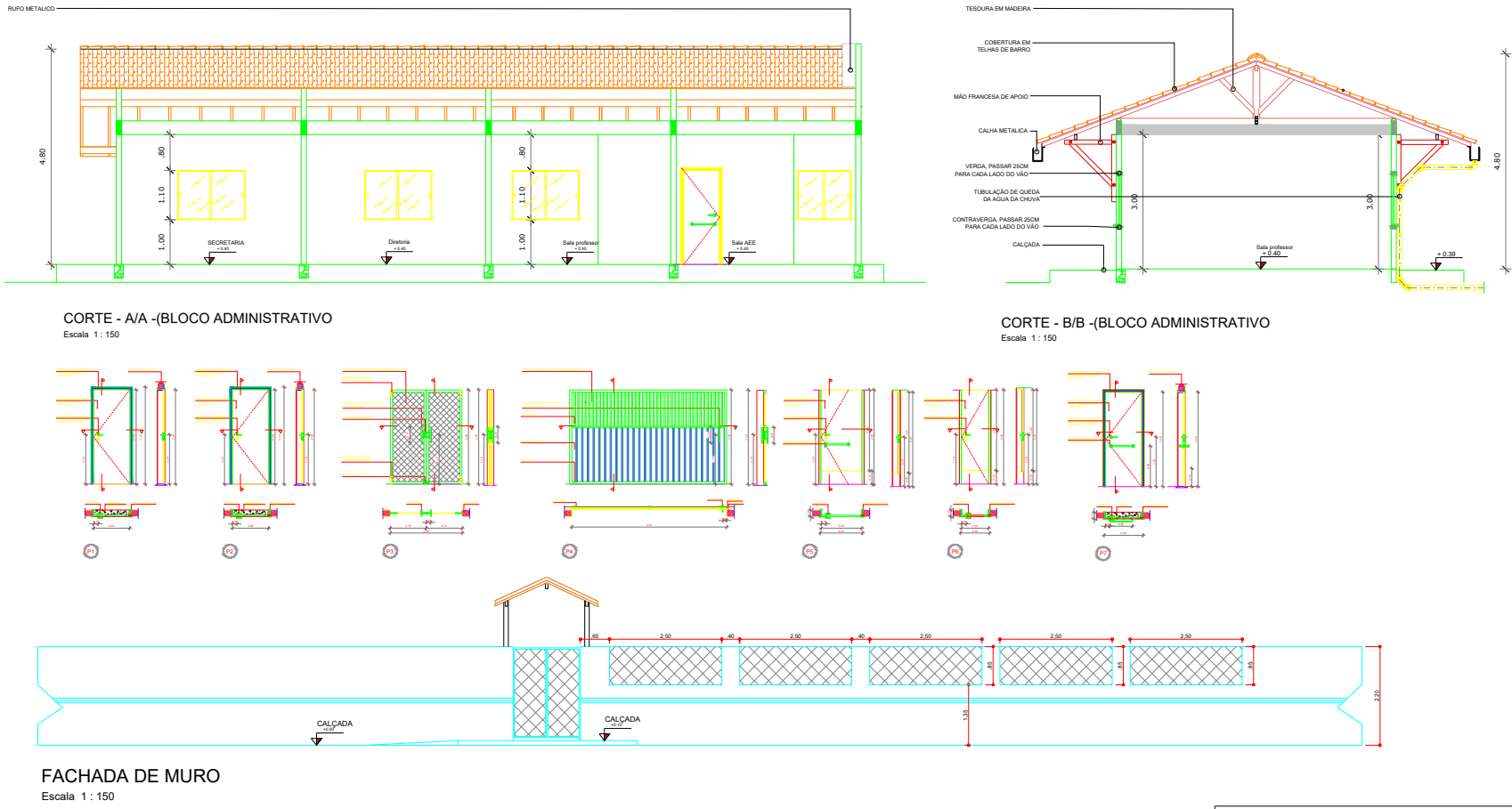
3 - PINTURA LATEX ACRILICA COR MARFIM, SOBRE SELADOR APARTI DE 1m ATÉ O TETO

4 - CERÂMICA 30x40cm COR BRANCO GELO ATÉ H=1.80, FAIXA CERÂMICA 10x10cm(COR AZUL ESCURO , CONFORME INDICAÇÃO)

5 - PINTURA ACRILICA COR MARFIM, SOBRE SELADOR APARTI DE 2.10m ATÉ O TETO

TETO

1 - FORRO EM PVC COR BRANCO GELO



PREFEITO  
JOSÉ MARIA TAPAJÓS  
SECRETARIA MUNICIPAL DE EDUCAÇÃO  
MARIA JOSÉ MAIA DA SILVA

02/12

ARQUITETURA

ASSUNTO:  
PLANTA BAIXA REFORMA E AMPLIAÇÃO. E CORTES A e B.  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÃ  
COORDENADAS: (-2.437911, -54.756077)

DESENHO:  
BRUNO ALMEIDA ANDRADE

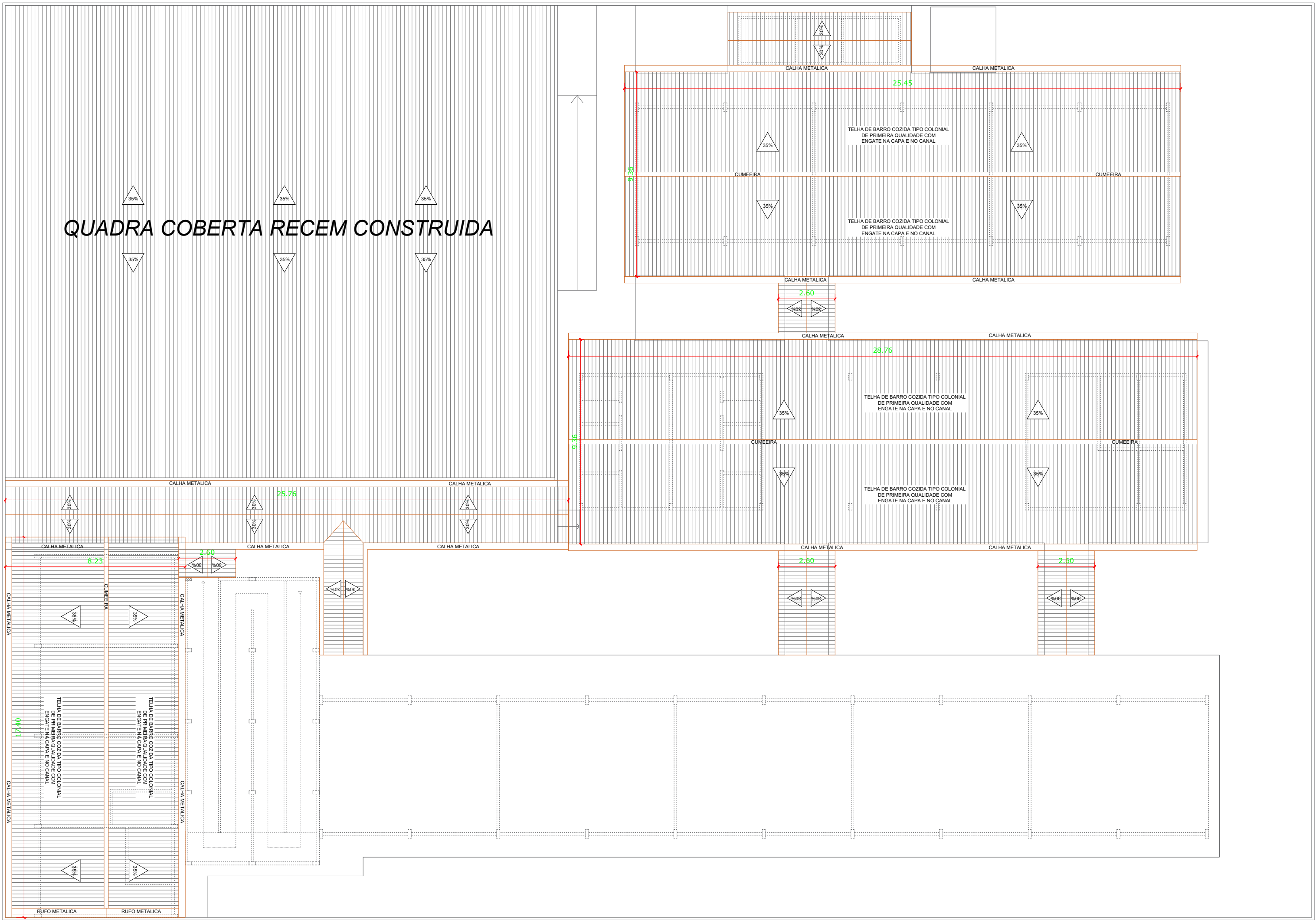
ESCALA:  
INDICADA

DATA:  
19/05/2025

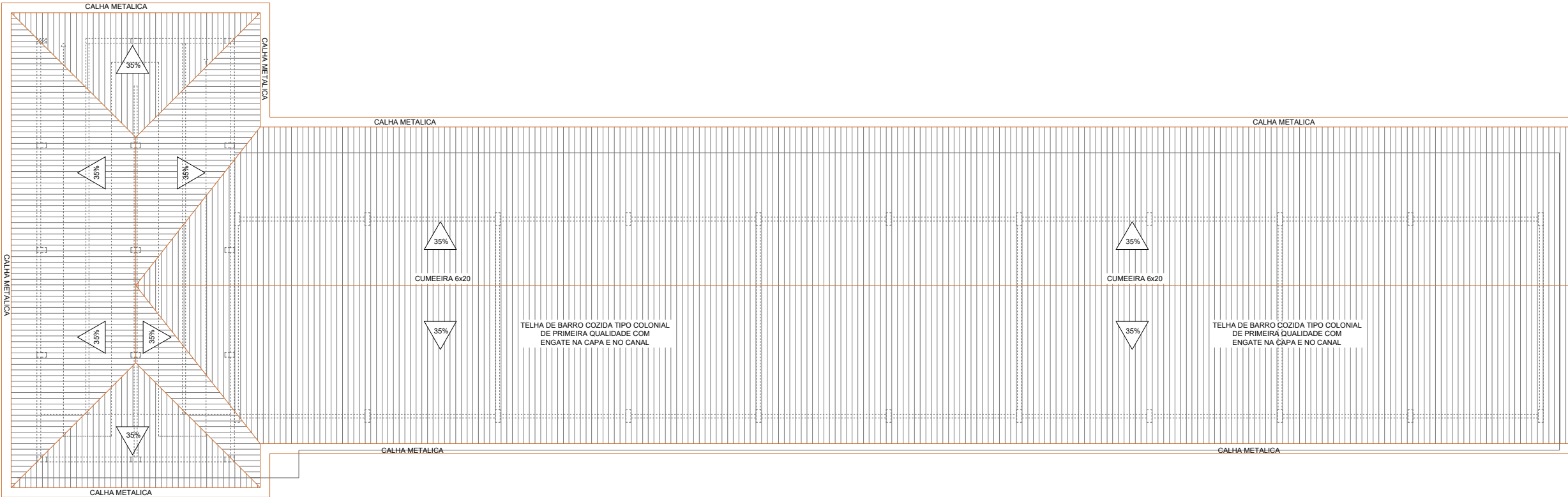
RESPONSÁVEL TÉCNICO:  
BRUNO ALMEIDA ANDRADE  
CAU: A191028-0

PAPEL FORMATO A1  
W2000 x H1400mm  
MEDIDA REAL: 574x859mm

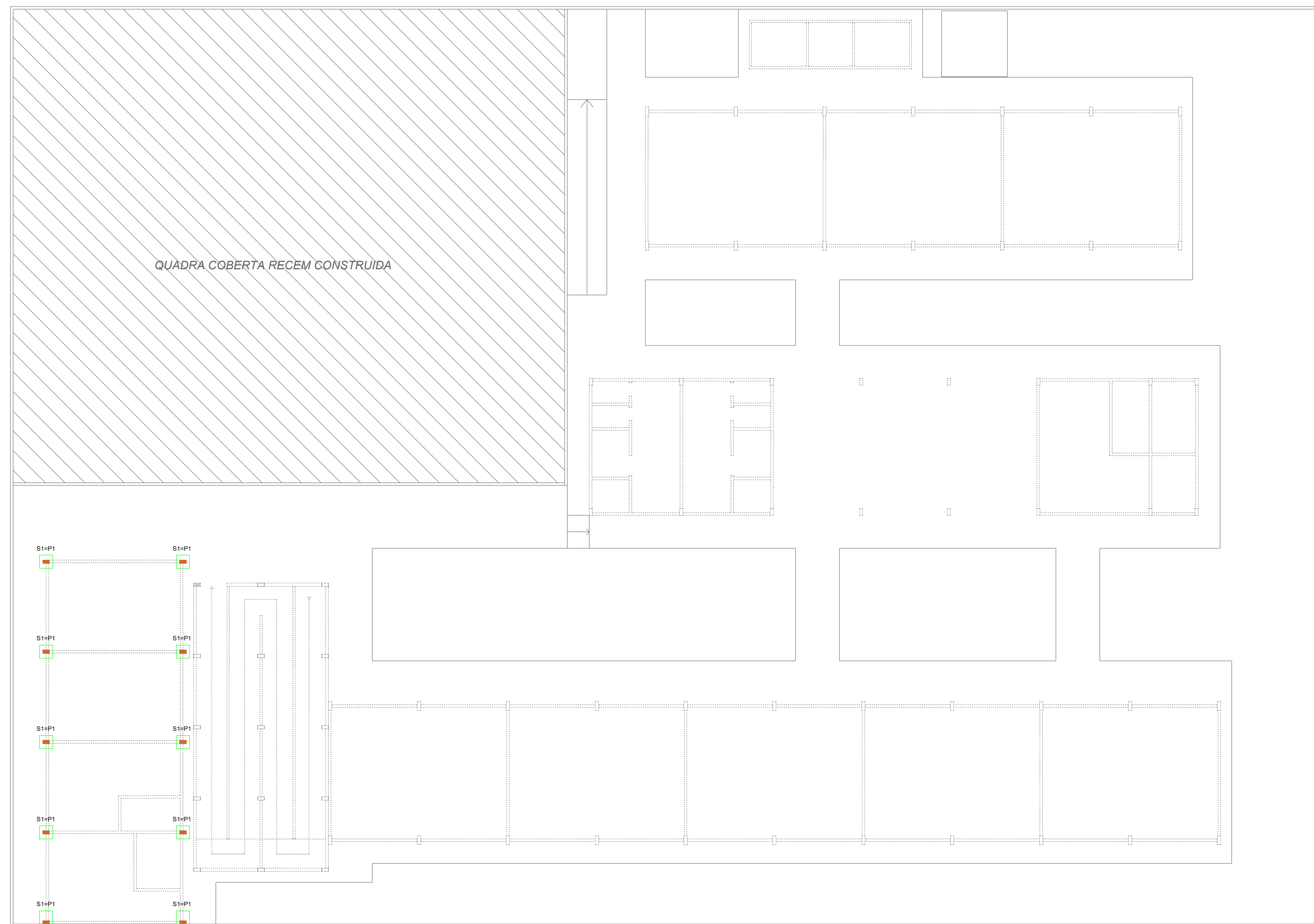
Para imprimir: 7" ou 10" vertical, apenas na horizontal (para não cortar)  
Verificar se a escala está correta  
(este lado para cima)



PLANTA BAIXA DE COBERTURA TERREO  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÃ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 150

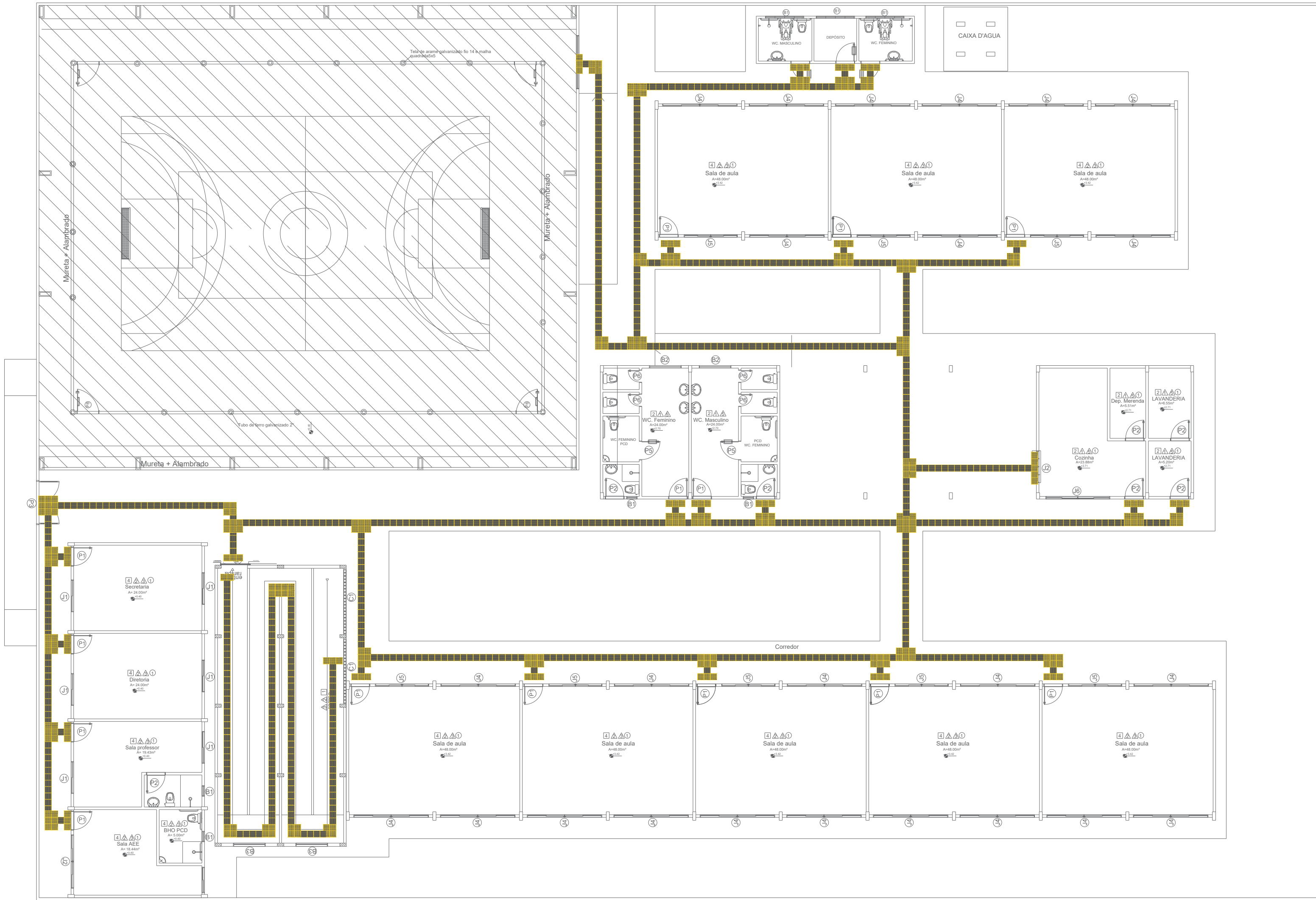


PLANTA BAIXA DE COBERTURA 1 PAVIMENTO  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÃ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 150



PLANTA DE LOCAÇÃO DE SAPATAS E PILARES  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÃ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 150



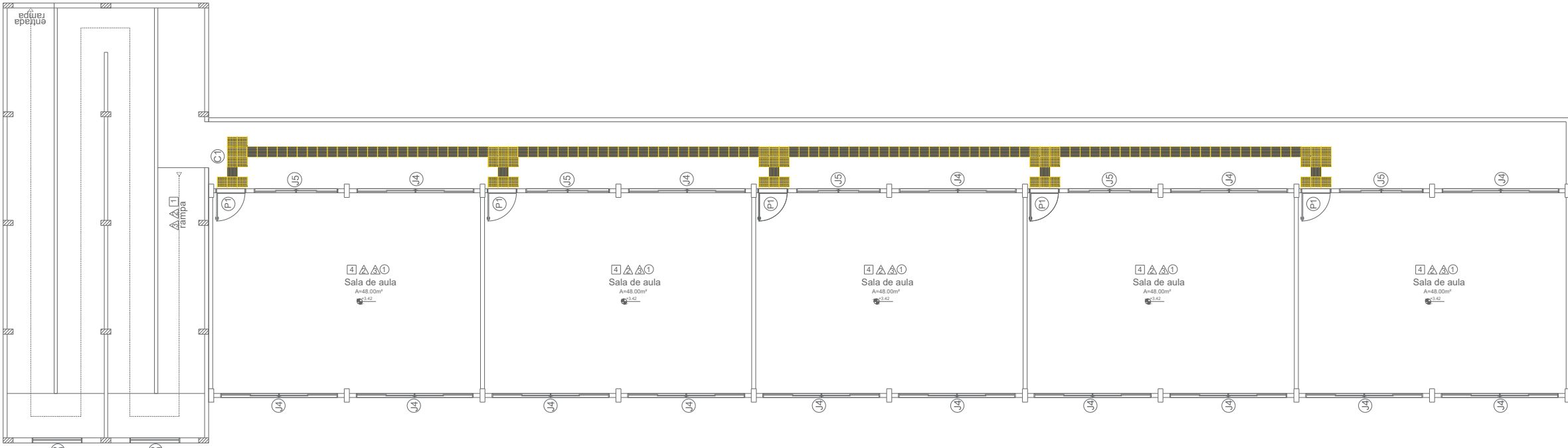


LEGENDA

PISO TATIL ALERTA 25X25, COR AMARELA

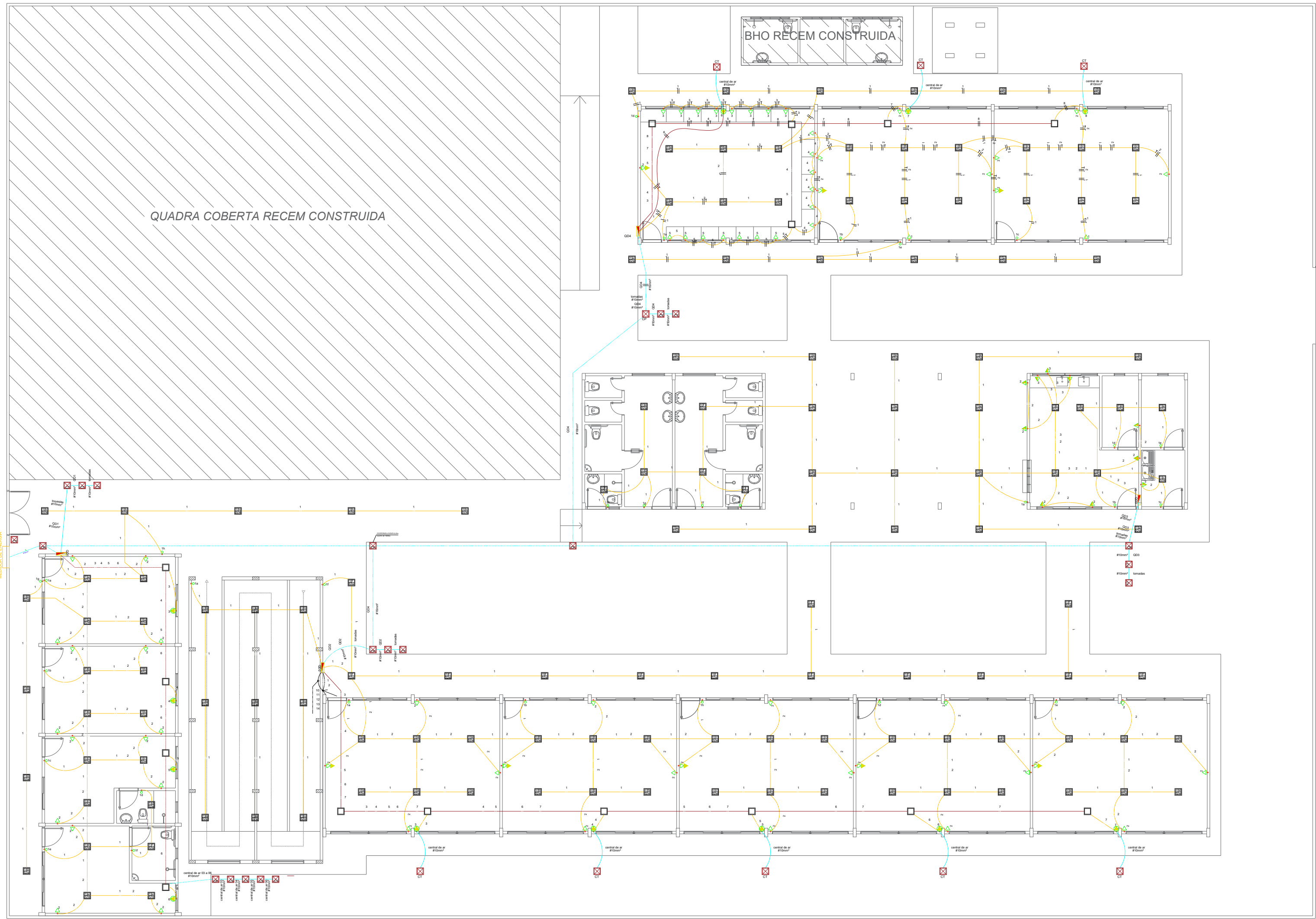
PISO TATIL DIRECIONAL 25X25 COR AMARELA

PLANTA BAIXADE PISO TATIL TERREO  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÁ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 175

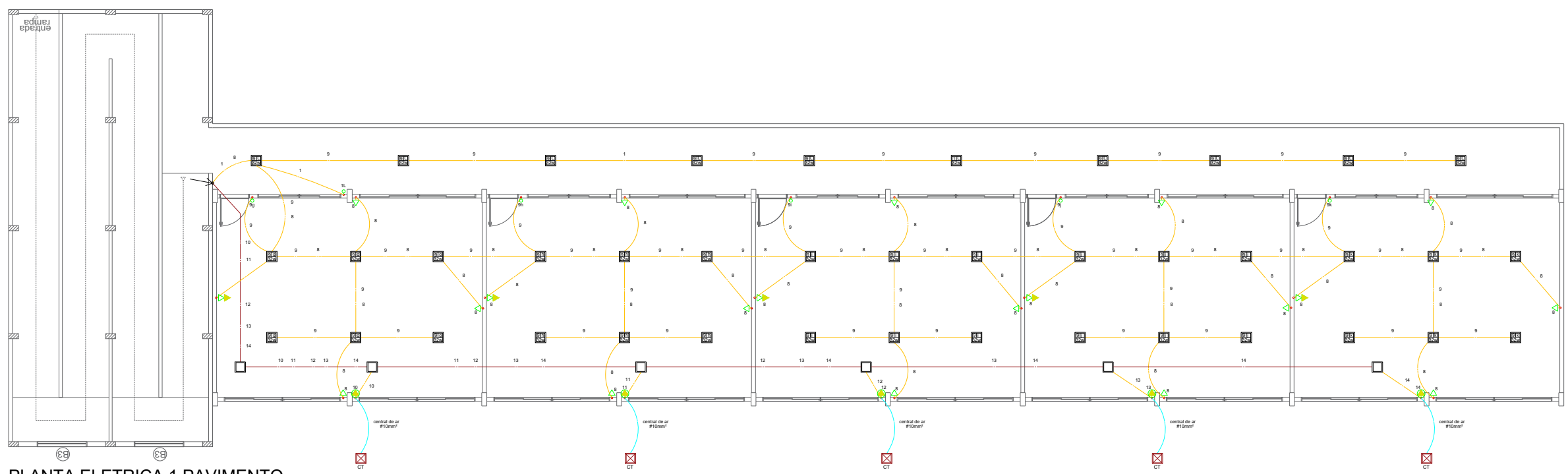


PLANTA DE PISO TATIL,1 PAVIMENTO  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÁ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 175

|                                                                                                                                                                                                             |                                                                                                                                    |                               |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------|
| <div><div><div><div></div></div><div><div></div></div></div><div><div>PREFEITO</div><div>JOSÉ MARIA TAPAJÓS</div><div>SECRETARIA MUNICIPAL DE EDUCAÇÃO</div><div>MARIA JOSÉ MAIA DA SILVA</div></div></div> | FOLHA:<br><b>06/12</b>                                                                                                             | TÍTULO:<br><b>ARQUITETURA</b> | RESPONSÁVEL TÉCNICO:<br><br>BRUNO ALMEIDA ANDRADE<br>CAU: A191028-0 |
|                                                                                                                                                                                                             | ASSUNTO:<br>PLANTA BAIXADE PISO TATIL TERREO<br>PADRE FELIPE BETTENDORF<br>BAIRRO MARACANÁ<br>COORDENADAS: (-2.437911, -54.756077) |                               |                                                                     |
|                                                                                                                                                                                                             | DESENHO:<br>BRUNO ALMEIDA ANDRADE                                                                                                  | ESCALA:<br>INDICADA           | DATA:<br>19/05/2025                                                 |



PLANTA ELETRICA TERREO  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÁ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 150



PLANTA ELETRICA, 1 PAVIMENTO  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÁ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 150

DISJUNTOR TRIPOLAR  
QUADRO GERAL

BLOCO COM 08 SALAS DE AULA  
1- QUADRO DE EMLEITE EM MATERIAL PVC, NA COR CINZA CUBRANCO  
10 MODULOS (1416), SGA, COMPLETO EQUIVALENTE

QUADRO DE DISTRIBUÇÃO - ILUMINAÇÃO E FORÇA 220/127V

| LUMINARIAS | TOMADAS | CARGA (W) | PROTEÇÃO (A) | CONDUTOR MM | IDENTIFICAÇÃO |
|------------|---------|-----------|--------------|-------------|---------------|
| 1          | 1       | 1         | 1            | 1           | 1             |
| 2          | 2       | 2         | 2            | 2           | 2             |
| 3          | 3       | 3         | 3            | 3           | 3             |
| 4          | 4       | 4         | 4            | 4           | 4             |
| 5          | 5       | 5         | 5            | 5           | 5             |
| 6          | 6       | 6         | 6            | 6           | 6             |
| 7          | 7       | 7         | 7            | 7           | 7             |
| 8          | 8       | 8         | 8            | 8           | 8             |
| 9          | 9       | 9         | 9            | 9           | 9             |
| 10         | 10      | 10        | 10           | 10          | 10            |
| 11         | 11      | 11        | 11           | 11          | 11            |
| 12         | 12      | 12        | 12           | 12          | 12            |
| 13         | 13      | 13        | 13           | 13          | 13            |
| 14         | 14      | 14        | 14           | 14          | 14            |
| 15         | 15      | 15        | 15           | 15          | 15            |
| 16         | 16      | 16        | 16           | 16          | 16            |
| 17         | 17      | 17        | 17           | 17          | 17            |
| 18         | 18      | 18        | 18           | 18          | 18            |
| 19         | 19      | 19        | 19           | 19          | 19            |
| 20         | 20      | 20        | 20           | 20          | 20            |
| 21         | 21      | 21        | 21           | 21          | 21            |
| 22         | 22      | 22        | 22           | 22          | 22            |
| 23         | 23      | 23        | 23           | 23          | 23            |
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| 25         | 25      | 25        | 25           | 25          | 25            |
| 26         | 26      | 26        | 26           | 26          | 26            |
| 27         | 27      | 27        | 27           | 27          | 27            |
| 28         | 28      | 28        | 28           | 28          | 28            |
| 29         | 29      | 29        | 29           | 29          | 29            |
| 30         | 30      | 30        | 30           | 30          | 30            |
| 31         | 31      | 31        | 31           | 31          | 31            |
| 32         | 32      | 32        | 32           | 32          | 32            |
| 33         | 33      | 33        | 33           | 33          | 33            |
| 34         | 34      | 34        | 34           | 34          | 34            |
| 35         | 35      | 35        | 35           | 35          | 35            |
| 36         | 36      | 36        | 36           | 36          | 36            |
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| 39         | 39      | 39        | 39           | 39          | 39            |
| 40         | 40      | 40        | 40           | 40          | 40            |
| 41         | 41      | 41        | 41           | 41          | 41            |
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| 44         | 44      | 44        | 44           | 44          | 44            |
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| 46         | 46      | 46        | 46           | 46          | 46            |
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| 58         | 58      | 58        | 58           | 58          | 58            |
| 59         | 59      | 59        | 59           | 59          | 59            |
| 60         | 60      | 60        | 60           | 60          | 60            |
| 61         | 61      | 61        | 61           | 61          | 61            |
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| 65         | 65      | 65        | 65           | 65          | 65            |
| 66         | 66      | 66        | 66           | 66          | 66            |
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| 68         | 68      | 68        | 68           | 68          | 68            |
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| 70         | 70      | 70        | 70           | 70          | 70            |
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| 80         | 80      | 80        | 80           | 80          | 80            |
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| 82         | 82      | 82        | 82           | 82          | 82            |
| 83         | 83      | 83        | 83           | 83          | 83            |
| 84         | 84      | 84        | 84           | 84          | 84            |
| 85         | 85      | 85        | 85           | 85          | 85            |
| 86         | 86      | 86        | 86           | 86          | 86            |
| 87         | 87      | 87        | 87           | 87          | 87            |
| 88         | 88      | 88        | 88           | 88          | 88            |
| 89         | 89      | 89        | 89           | 89          | 89            |
| 90         | 90      | 90        | 90           | 90          | 90            |
| 91         | 91      | 91        | 91           | 91          | 91            |
| 92         | 92      | 92        | 92           | 92          | 92            |
| 93         | 93      | 93        | 93           | 93          | 93            |
| 94         | 94      | 94        | 94           | 94          | 94            |
| 95         | 95      | 95        | 95           | 95          | 95            |
| 96         | 96      | 96        | 96           | 96          | 96            |
| 97         | 97      | 97        | 97           | 97          | 97            |
| 98         | 98      | 98        | 98           | 98          | 98            |
| 99         | 99      | 99        | 99           | 99          | 99            |
| 100        | 100     | 100       | 100          | 100         | 100           |

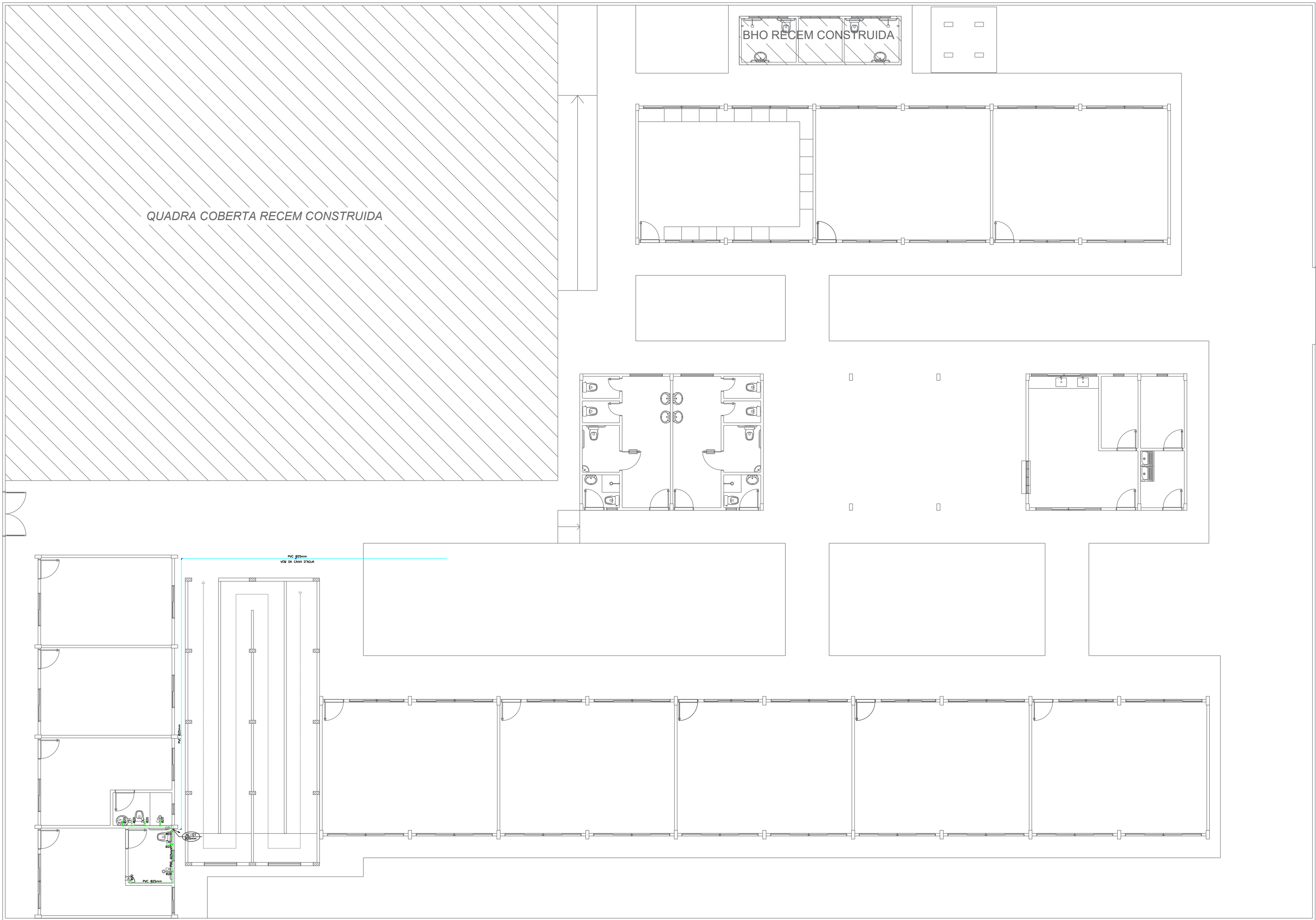
BLOCO ADMINISTRATIVO  
1- QUADRO DE EMLEITE EM MATERIAL PVC, NA COR CINZA CUBRANCO  
10 MODULOS (1416), SGA, COMPLETO EQUIVALENTE

QUADRO DE DISTRIBUÇÃO - ILUMINAÇÃO E FORÇA 220/127V

| LUMINARIAS | TOMADAS | CARGA (W) | PROTEÇÃO (A) | CONDUTOR MM | IDENTIFICAÇÃO |
|------------|---------|-----------|--------------|-------------|---------------|
| 1          | 1       | 1         | 1            | 1           | 1             |
| 2          | 2       | 2         | 2            | 2           | 2             |
| 3          | 3       | 3         | 3            | 3           | 3             |
| 4          | 4       | 4         | 4            | 4           | 4             |
| 5          | 5       | 5         | 5            | 5           | 5             |
| 6          | 6       | 6         | 6            | 6           | 6             |
| 7          | 7       | 7         | 7            | 7           | 7             |
| 8          | 8       | 8         | 8            | 8           | 8             |
| 9          | 9       | 9         | 9            | 9           | 9             |
| 10         | 10      | 10        | 10           | 10          | 10            |
| 11         | 11      | 11        | 11           | 11          | 11            |
| 12         | 12      | 12        | 12           | 12          | 12            |
| 13         | 13      | 13        | 13           | 13          | 13            |
| 14         | 14      | 14        | 14           | 14          | 14            |
| 15         | 15      | 15        | 15           | 15          | 15            |
| 16         | 16      | 16        | 16           | 16          | 16            |
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| 18         | 18      | 18        | 18           | 18          | 18            |
| 19         | 19      | 19        | 19           | 19          | 19            |
| 20         | 20      | 20        | 20           | 20          | 20            |
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| 25         | 25      | 25        | 25           | 25          | 25            |
| 26         | 26      | 26        | 26           | 26          | 26            |
| 27         | 27      | 27        | 27           | 27          | 27            |
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| 29         | 29      | 29        | 29           | 29          | 29            |
| 30         | 30      | 30        | 30           | 30          | 30            |
| 31         | 31      | 31        | 31           | 31          | 31            |
| 32         | 32      | 32        | 32           | 32          | 32            |
| 33         | 33      | 33        | 33           | 33          | 33            |
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| 39         | 39      | 39        | 39           | 39          | 39            |
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| 42         | 42      | 42        | 42           | 42          | 42            |
| 43         | 43      | 43        | 43           | 43          | 43            |
| 44         | 44      | 44        | 44           | 44          | 44            |
| 45         | 45      | 45        | 45           | 45          | 45            |
| 46         | 46      | 46        | 46           | 46          | 46            |
| 47         | 47      | 47        | 47           | 47          | 47            |
| 48         | 48      | 48        | 48           | 48          | 48            |
| 49         | 49      | 49        | 49           | 49          | 49            |
| 50         | 50      | 50        | 50           | 50          | 50            |
| 51         | 51      | 51        | 51           | 51          | 51            |
| 52         | 52      | 52        | 52           | 52          | 52            |
| 53         | 53      | 53        | 53           | 53          | 53            |
| 54         | 54      | 54        | 54           | 54          | 54            |
| 55         | 55      | 55        | 55           | 55          | 55            |
| 56         | 56      | 56        | 56           | 56          | 56            |
| 57         | 57      | 57        | 57           | 57          | 57            |
| 58         | 58      | 58        | 58           | 58          | 58            |
| 59         | 59      | 59        | 59           | 59          | 59            |
| 60         | 60      | 60        | 60           | 60          | 60            |
| 61         | 61      | 61        | 61           | 61          | 61            |
| 62         | 62      | 62        | 62           | 62          | 62            |
| 63         | 63      | 63        | 63           | 63          | 63            |
| 64         | 64      | 64        | 64           | 64          | 64            |
| 65         | 65      | 65        | 65           | 65          | 65            |
| 66         | 66      | 66        | 66           | 66          | 66            |
| 67         | 67      | 67        | 67           | 67          | 67            |
| 68         | 68      | 68        | 68           | 68          | 68            |
| 69         | 69      | 69        | 69           | 69          | 69            |
| 70         | 70      | 70        | 70           | 70          | 70            |
| 71         | 71      | 71        | 71           | 71          | 71            |
| 72         | 72      | 72        | 72           | 72          | 72            |
| 73         | 73      | 73        | 73           | 73          | 73            |
| 74         | 74      | 74        | 74           | 74          | 74            |
| 75         | 75      | 75        | 75           | 75          | 75            |
| 76         | 76      | 76        | 76           | 76          | 76            |
| 77         | 77      | 77        | 77           | 77          | 77            |
| 78         | 78      | 78        | 78           | 78          | 78            |
| 79         | 79      | 79        | 79           | 79          | 79            |
| 80         | 80      | 80        | 80           | 80          | 80            |
| 81         | 81      | 81        | 81           | 81          | 81            |
| 82         | 82      | 82        | 82           | 82          | 82            |
| 83         | 83      | 83        | 83           | 83          | 83            |
| 84         | 84      | 84        | 84           | 84          | 84            |
| 85         | 85      | 85        | 85           | 85          | 85            |
| 86         | 86      | 86        | 86           | 86          | 86            |
| 87         | 87      | 87        | 87           | 87          | 87            |
| 88         | 88      | 88        | 88           | 88          | 88            |
| 89         | 89      | 89        | 89           | 89          | 89            |
| 90         | 90      | 90        | 90           | 90          | 90            |
| 91         | 91      | 91        | 91           | 91          | 91            |
| 92         | 92      | 92        | 92           | 92          | 92            |
| 93         | 93      | 93        | 93           | 93          | 93            |
| 94         | 94      | 94        | 94           | 94          | 94            |
| 95         | 95      | 95        | 95           | 95          | 95            |
| 96         | 96      | 96        | 96           | 96          | 96            |
| 97         | 97      | 97        | 97           | 97          | 97            |
| 98         | 98      | 98        | 98           | 98          | 98            |
| 99         | 99      | 99        | 99           | 99          | 99            |
| 100        | 100     | 100       | 100          | 100         | 100           |

BLOCO COM 04 SALAS DE AULA + BANHEIRO  
 1- QUADRO DE EMLEITE EM MATERIAL PVC, NA COR CINZA CUBRANCO  
 10 MODULOS (1416), SGA, COMPLETO EQUIVALENTE

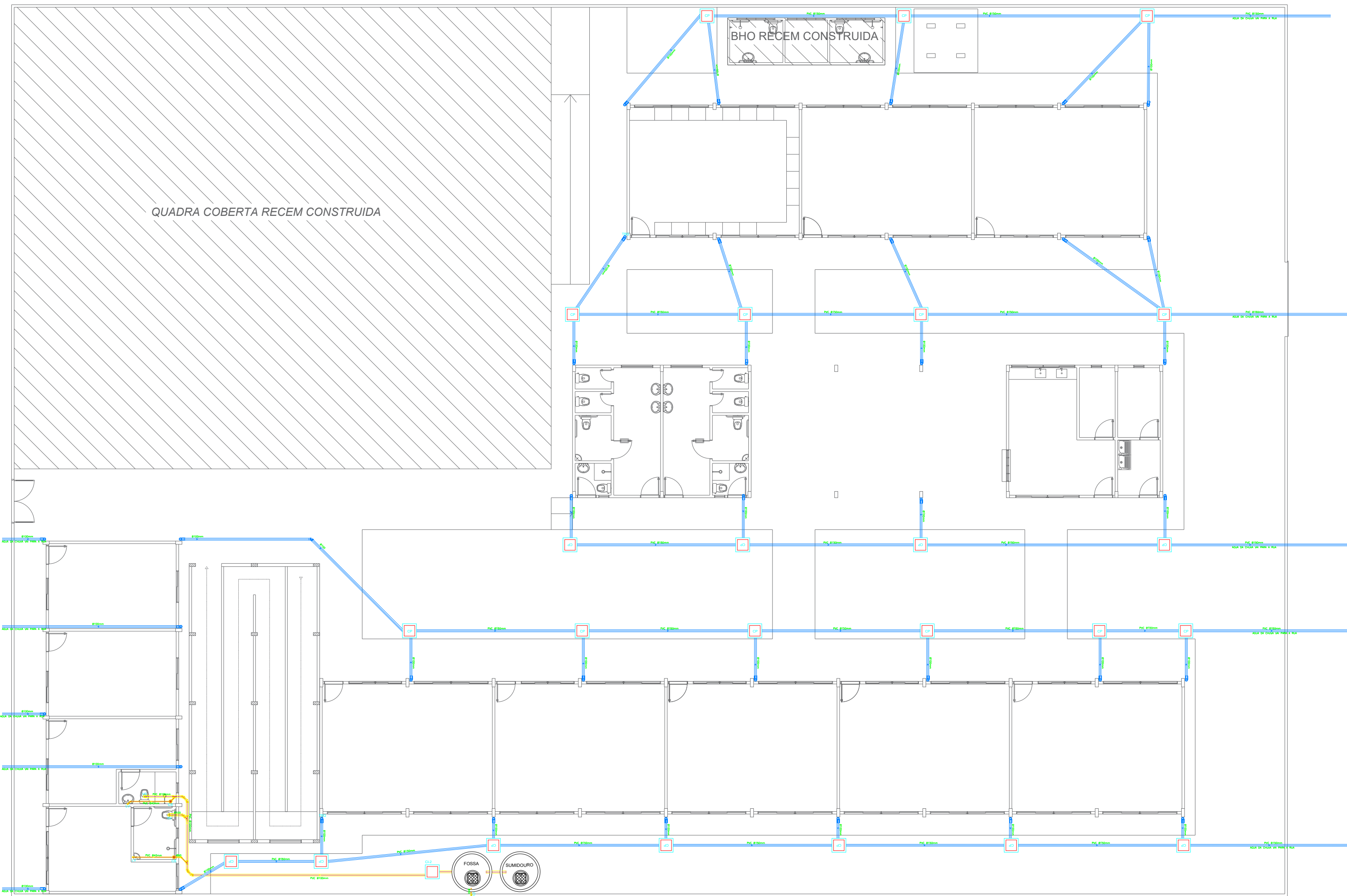
| QUADRO DE DISTRIBUIÇÃO - ILUMINAÇÃO E FORÇA 127V |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| Q. Nº/GRUPO                                      | LUMINARIAS                       | TOMADAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CARGA (W) | PROTEÇÃO (A) | CONDUTOR MM | IDENTIFICAÇÃO |
|                                                  | 2m x 12m   20W   12m x 14m   14W | 10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   10W   1 |           |              |             |               |



PLANTA BAIXA DE AGUA FRIA  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÃ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 150

**LEGENDA ÁGUA FRIA**

- TUBO EM PVC CLASSE 15 NA PAREDE OU SOBRE O FORRO
- IGEM, NO PISO OU TERRENO
- REGISTRO DE GAVETA
- TUBO QUE SOBE
- RAMAL DE AGUA FRIA
- LV LAVATÓRIO
- CD CAIXA DE DESCARGA P/ VASO SANITÁRIO
- PA DUCHA HIGIENICA
- CH CHUVEIRO



**LEGENDA ESGOTO**

**LEGENDA**

CS CAIXA SIFONADA EM PVC 150x150x500

LV LAVATÓRIO

VS VASO SANITÁRIO

PA PIA DA COZINHA

TA TANQUE DE LAVAR ROUPA

**NOTAS**

- TUBOS E CONEXÕES EM PVC LINHA ESGOTO SANITÁRIO

- DECLIVIDADES MÍNIMAS:

ESGOTO ÁGUA DA CHUVA: Ø ATÉ 150mm 1%

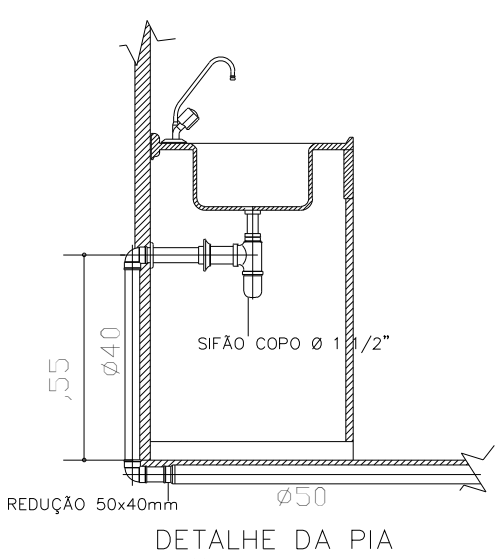
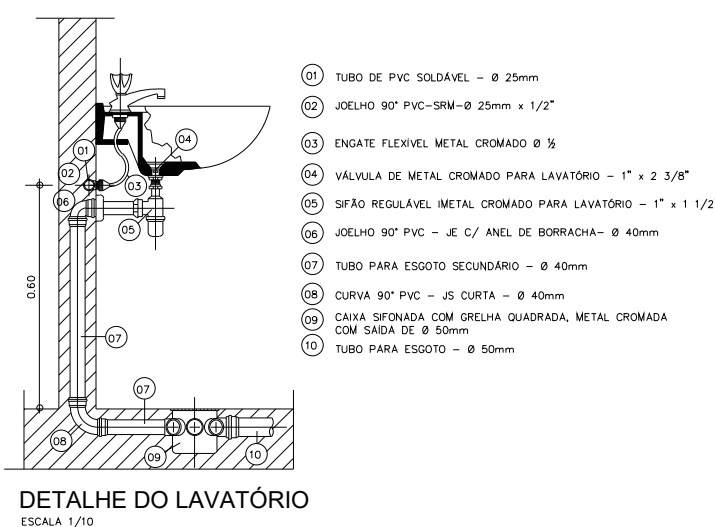
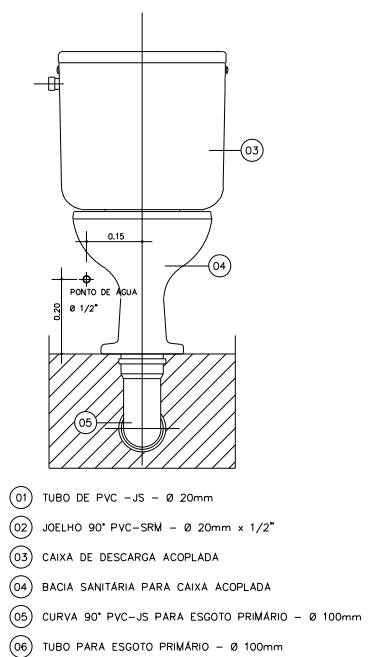
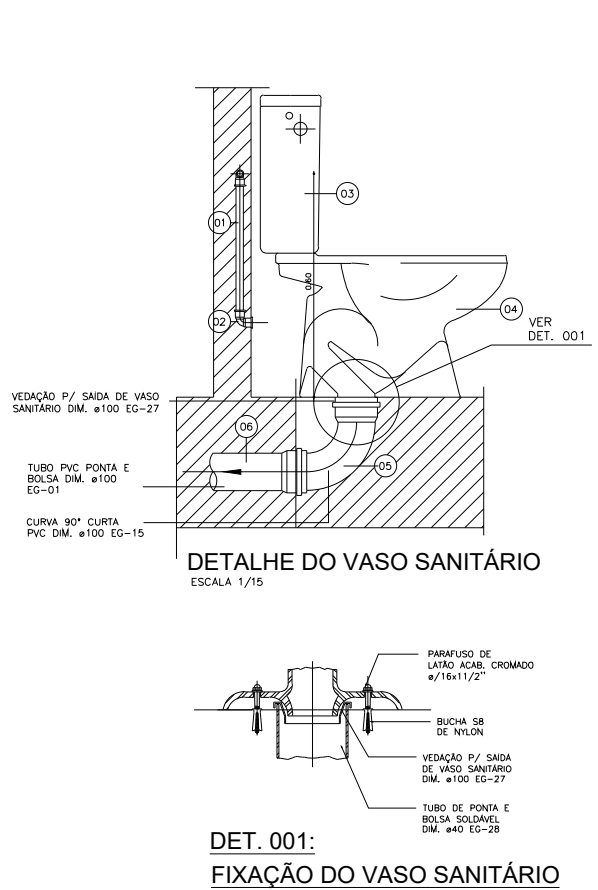
ESGOTO SANITÁRIO: Ø ATÉ 75mm 2%

Ø > 100mm 1%

- AS COLUNAS DE VENTILAÇÃO SERÃO PROLONGADAS EM 300mm ACIMA DA LINHA DO TELHADO

- TODAS AS SAÍDAS DE LAVATÓRIOS E PIAS DEVEREM POSSUIR FECHO HÍDRICO (SIFÃO) P/ EVITAR A VOLTA DE GASES

PLANTA BAIXA DE ESGOTO E AGUA DA CHUVA  
PADRE FELIPE BETTENDORF  
BAIRRO MARACANÃ  
COORDENADAS: (-2.437911, -54.756077)  
Escala 1 : 150



|                                                                                                                                                                                         |                                                                                                                                          |                                   |                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------|
| <br>PREFEITO<br>JOSÉ MARIA TAPAJÓS<br>SECRETARIA MUNICIPAL DE EDUCAÇÃO<br>MARIA JOSÉ MAIA DA SILVA | FOLHA:<br><b>09/12</b>                                                                                                                   | TÍTULO:<br><b>ARQUITETURA</b>     | RESPONSÁVEL TÉCNICO:<br><br>BRUNO ALMEIDA ANDRADE<br>CAU: A191028-0 |
|                                                                                                                                                                                         | ASSUNTO:<br>PLANTA BAIXA DE ESGOTO E AGUA DA CHUVA<br>PADRE FELIPE BETTENDORF<br>BAIRRO MARACANÃ<br>COORDENADAS: (-2.437911, -54.756077) | DESENHO:<br>BRUNO ALMEIDA ANDRADE | ESCALA:<br>INDICADA                                                 |
|                                                                                                                                                                                         |                                                                                                                                          | DATA:<br>19/05/2025               |                                                                     |



|                                                                                                                                                                                                                               |                                                                                                                                                             |                                          |                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------|
|  <p><b>PREFEITO</b><br/><b>JOSÉ MARIA TAPAJÓS</b></p> <p><b>SECRETARIA MUNICIPAL DE EDUCAÇÃO</b><br/><b>MARIA JOSÉ MAIA DA SILVA</b></p> | <p>FOLHA: _____</p> <p><b>10/12</b></p>                                                                                                                     | <p>TÍTULO:</p> <p><b>ARQUITETURA</b></p> | <p>RESPONSÁVEL TÉCNICO:</p> <p>BRUNO ALMEIDA ANDRADE<br/>CAU. 19/05-08</p> |
|                                                                                                                                                                                                                               | <p>ASSUNTO:</p> <p>PLANTA BAIXA DE COMBATE A INCÊNDIO E PANICO<br/>PADRE FELIPE BERTENDORF<br/>BAIRRO MARACANA<br/>COORDENADAS: (-2.437911, -54.756077)</p> |                                          |                                                                            |
| <p>DESENHO:</p> <p>BRUNO ALMEIDA ANDRADE</p>                                                                                                                                                                                  |                                                                                                                                                             | <p>ESCALA:</p> <p><b>INDICADA</b></p>    | <p>DATA:</p> <p><b>19/05/2022</b></p>                                      |

