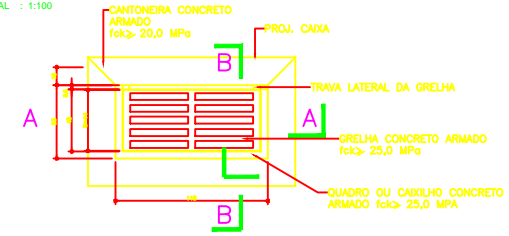
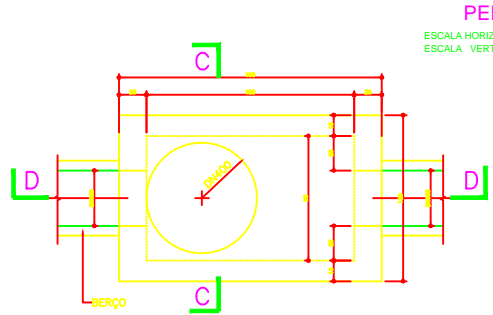


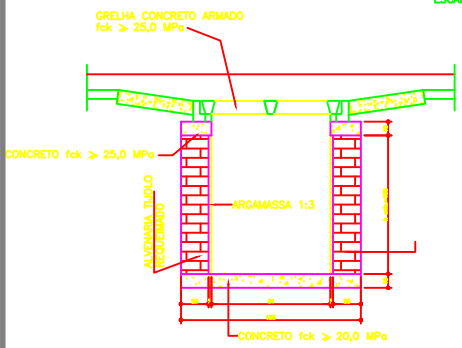
**PERFIL**  
ESCALA HORIZONTAL : 1:1.000  
ESCALA VERTICAL : 1:100



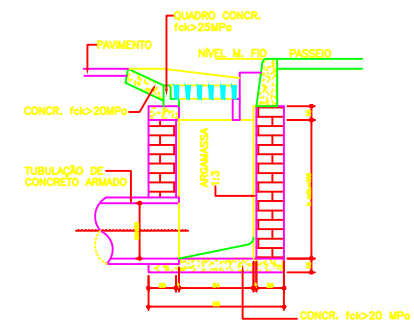
**PLANTA**  
BOCA-DE-LOBO SIMPLES - TIPO B  
ESCALA 1:50



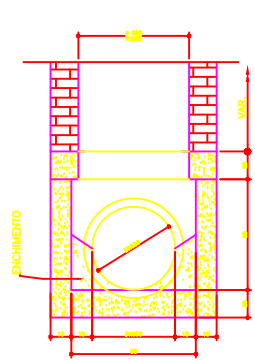
**PLANTA**



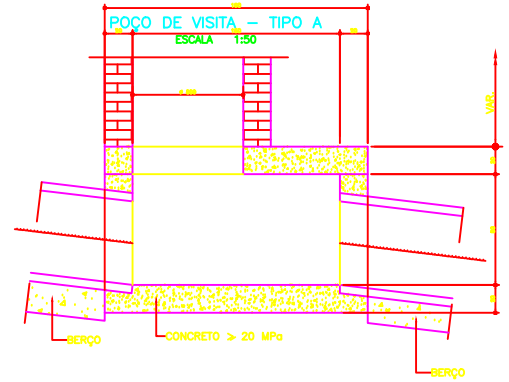
**CORTE A-A**  
ESCALA 1:50



**CORTE B-B**  
ESCALA 1:50



**CORTE C-C**  
ESCALA 1:50

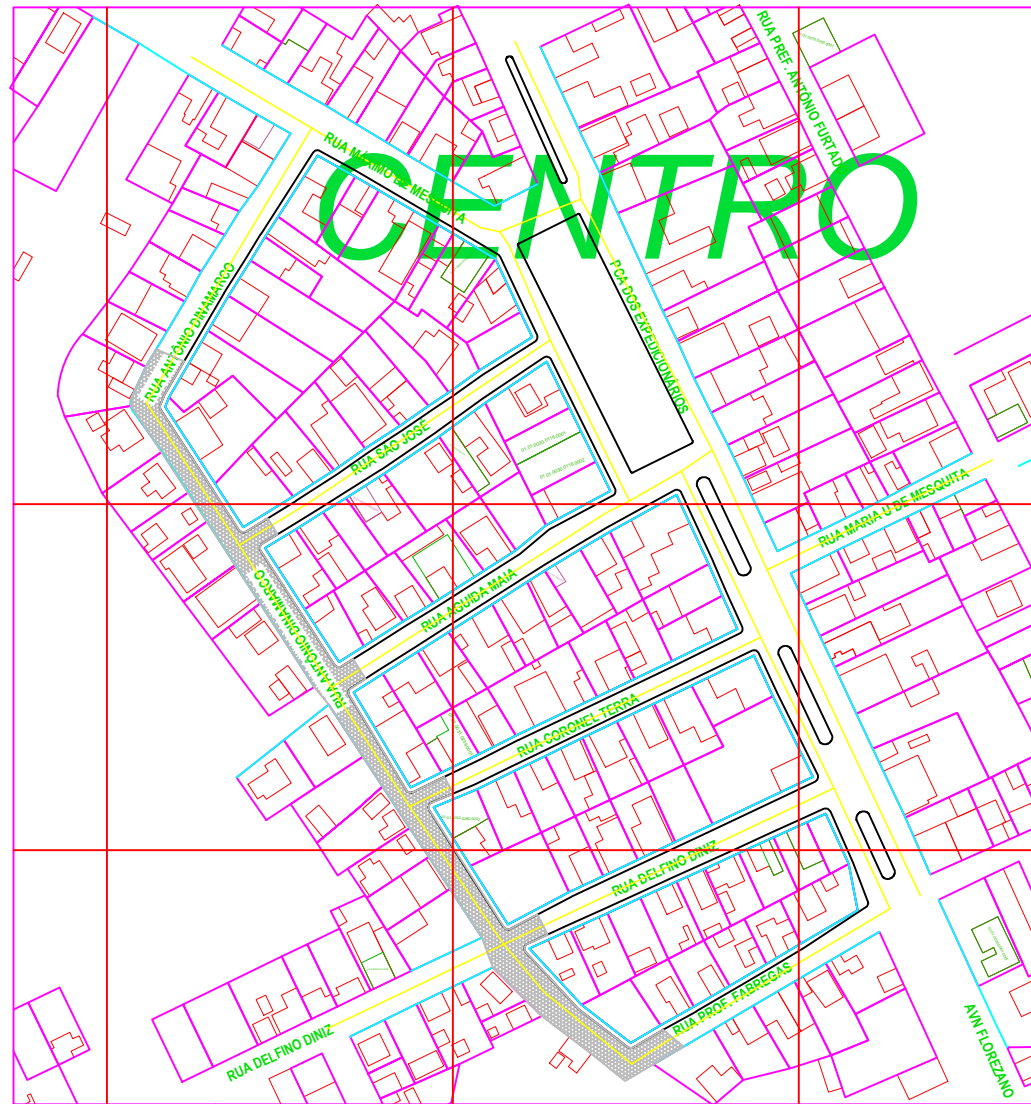


**CORTE D-D**  
ESCALA 1:50

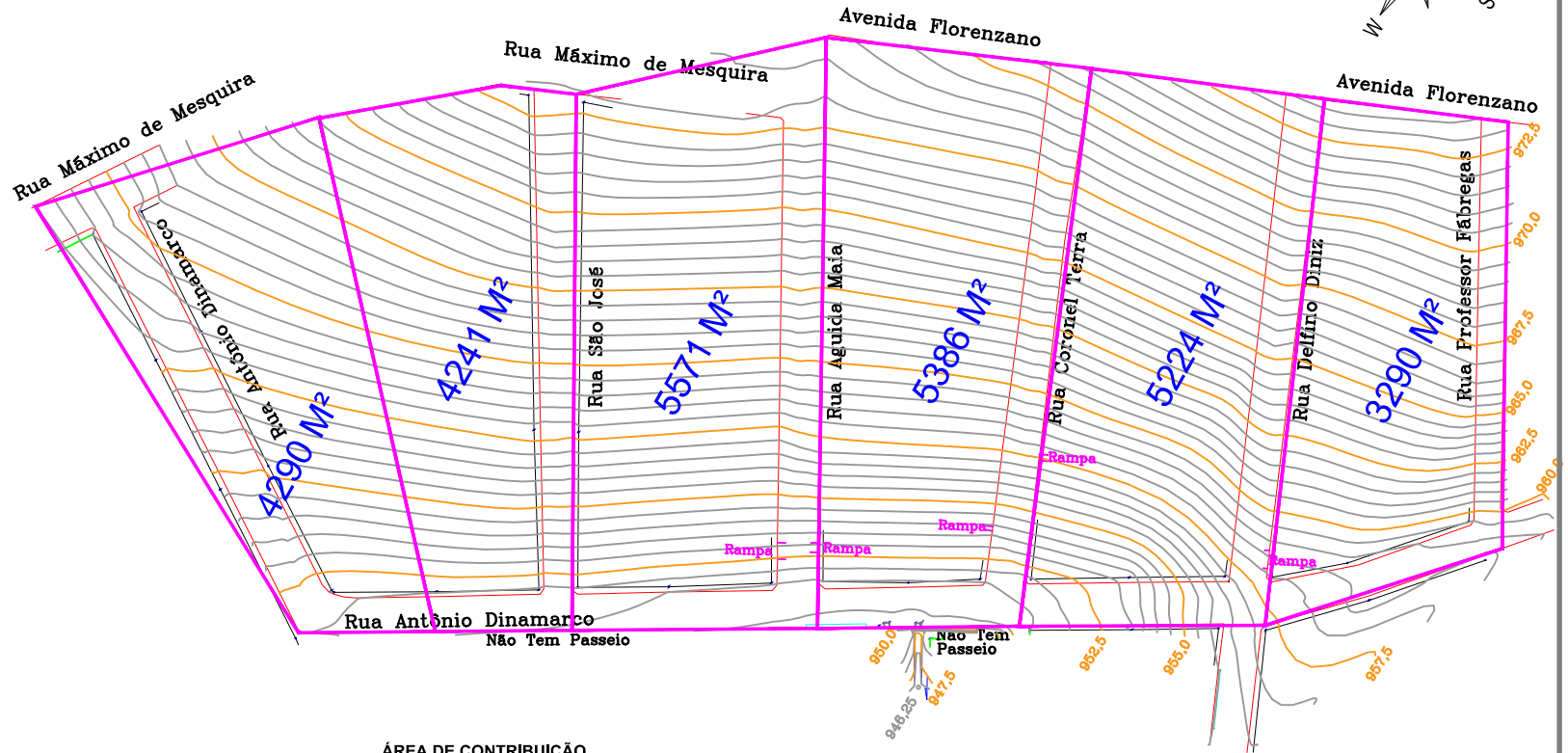
**LEGENDA**

|  |                |
|--|----------------|
|  | Rua            |
|  | Passeio        |
|  | Grelha/Pluvial |
|  | Dreno Concreto |

|  |            |        |          |
|--|------------|--------|----------|
| PREFEITURA MUNICIPAL DE LUMINÁRIAS       |            |        |          |
| SISTEMA DE DRENAGEM                      |            |        |          |
| Rua Antônio Dinamarco                    |            |        |          |
| PROPRIETÁRIO:                            |            |        |          |
| PREFEITURA MUNICIPAL DE LUMINÁRIAS       |            |        |          |
| LOCAL                                    | MUNICÍPIO  | ESCALA | INDICADA |
| CENTRO                                   | LUMINÁRIAS |        |          |
| ÁREA TOTAL                               | DESENHO    | DATA   | SET/2024 |
| Adalgiana Souza Monteiro - CREA 204995/D |            |        |          |



PLANTA  
Sem Escala

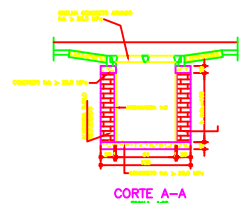


ÁREA DE CONTRIBUIÇÃO  
Sem Escala

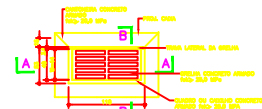
| LEGENDA |                |
|---------|----------------|
|         | Rua            |
|         | Passeio        |
|         | Grelha/Pluvial |
|         | Dreno Concreto |

| PLANILHA DE CÁLCULO DAS GALERIAS DE ÁGUA PLUVIAL |                     |                         |                        |                        |               |                 |                   |                           |                  |                 |                  |                  |                           |                 |                 |                 |      |      |
|--|---------------------|-------------------------|------------------------|------------------------|---------------|-----------------|-------------------|---------------------------|------------------|-----------------|------------------|------------------|---------------------------|-----------------|-----------------|-----------------|------|------|
| RUA ANTÔNIO DINAMARCO                            |                     |                         |                        |                        |               |                 |                   |                           |                  |                 |                  |                  |                           |                 |                 |                 |      |      |
| LUMNÁRIAS - MG                                   |                     |                         |                        |                        |               |                 |                   |                           |                  |                 |                  |                  |                           |                 |                 |                 |      |      |
| Trecho   | Popo de Visita (PV) | Coef. de escoamento (C) | Diâmetro da chuva (mm) | Intensidade (I) (mm/h) | Área (A) (m²) | Vazão (Q) (l/s) | Diâmetro (Ø) (mm) | Declividade galeria (m/m) | Velocidade (m/s) | comprimento (m) | cota terreno (m) | cota galeria (m) | declividade terreno (m/m) | cota visita (m) | profund. PV (m) | profund. PV (m) |      |      |
| 1  | 1-2                 | 0,70                    | 15                     | 127,00                 | 0,435000      | 0,220000        | 0,208             | 600                       | 0,0217           | 5,004           | 48,12            | 992,00           | 991,50                    | 0,0058          | 992,00          | 1,50            | 2,00 |      |
|  | 2-3                 | 0,70                    | 15                     | 127,00                 | 0,424100      | 0,288           | 600               | 0,0104                    | 4,583            | 47,86           | 991,50           | 991,00           | 0,0054                    | 948,00          | 949,00          | 2,00            | 2,00 |      |
|  | 3-4                 | 0,70                    | 15                     | 127,00                 | 0,557100      | 1,410200        | 0,306             | 600                       | 0,0415           | 5,018           | 24,08            | 991,00           | 991,00                    | 0,0000          | 949,00          | 949,00          | 2,00 | 3,00 |
| 2  | 5-4                 | 0,70                    | 15                     | 127,00                 | 0,539600      | 1,548800        | 0,356             | 600                       | 0,0392           | 3,092           | 17,47            | 991,50           | 991,00                    | 0,0086          | 950,00          | 949,00          | 1,50 | 2,00 |
|  | 6-5                 | 0,70                    | 15                     | 127,00                 | 0,322400      | 2,471200        | 0,393             | 600                       | 0,1154           | 5,019           | 48,50            | 992,00           | 991,50                    | 0,1134          | 950,00          | 950,00          | 1,50 | 1,50 |
|  | 7-6                 | 0,70                    | 15                     | 127,00                 | 0,329500      | 2,890200        | 0,413             | 600                       | 0,0240           | 4,342           | 30,01            | 990,00           | 990,00                    | 0,0000          | 951,00          | 951,00          | 1,50 | 2,00 |
| 8  | 4" LADZ             | 0,70                    | 15                     | 127,00                 | 0,000000      | 2,890200        | 1,364             | 600                       | 0,0064           | 4,811           | 234,04           | 991,00           | 949,00                    | 0,0085          | 949,00          | 947,00          | 2,00 | 1,50 |

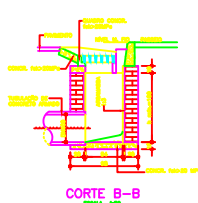
PERFIL  
ESCALA HORIZONTAL : 1:1.000  
ESCALA VERTICAL : 1:100



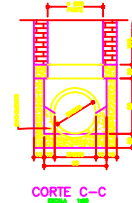
CORTE A-A  
ESCALA 1:50



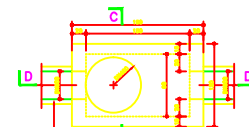
PLANTA  
BOCA-DE-LODO SIMPLES - TIPO B  
ESCALA 1:50



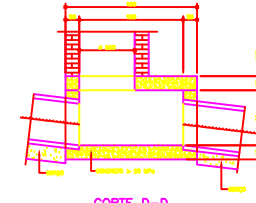
CORTE B-B  
ESCALA 1:50



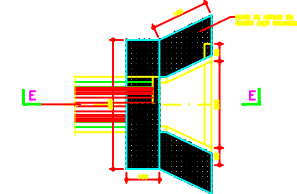
CORTE C-C  
ESCALA 1:50



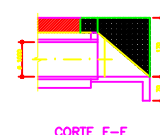
PLANTA  
POÇO DE VISITA - TIPO A  
ESCALA 1:50



CORTE D-D  
ESCALA 1:50



PLANTA  
ALA DE REDE TURMAL  
ESCALA 1:50



CORTE E-E  
ESCALA 1:50

PREFEITURA MUNICIPAL DE LUMINÁRIAS

SISTEMA DE DRENAGEM

LOCAL: CENTRO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE LUMINÁRIAS

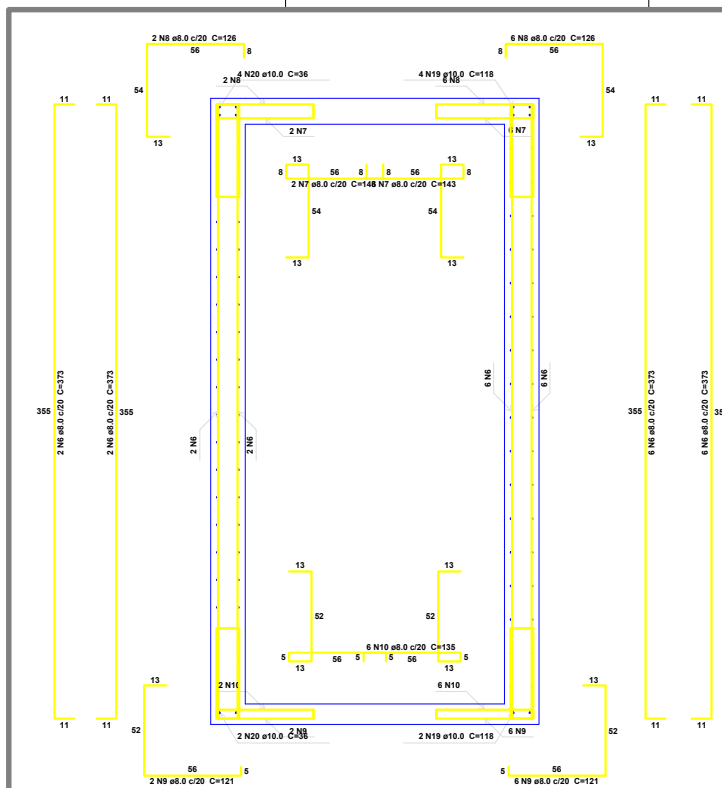
LOCAL: CENTRO

ÁREA TOTAL: LUMINÁRIAS

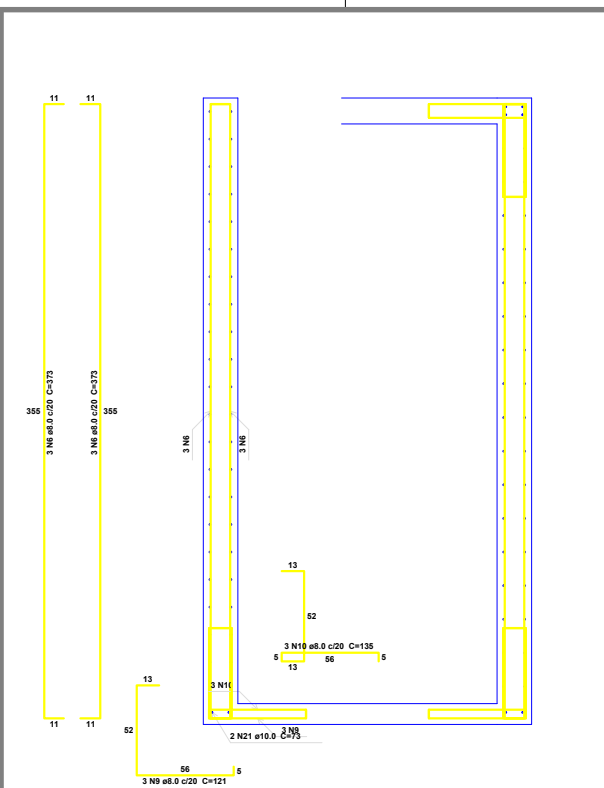
INDICADA: INDICADA

DATA: SET/2024

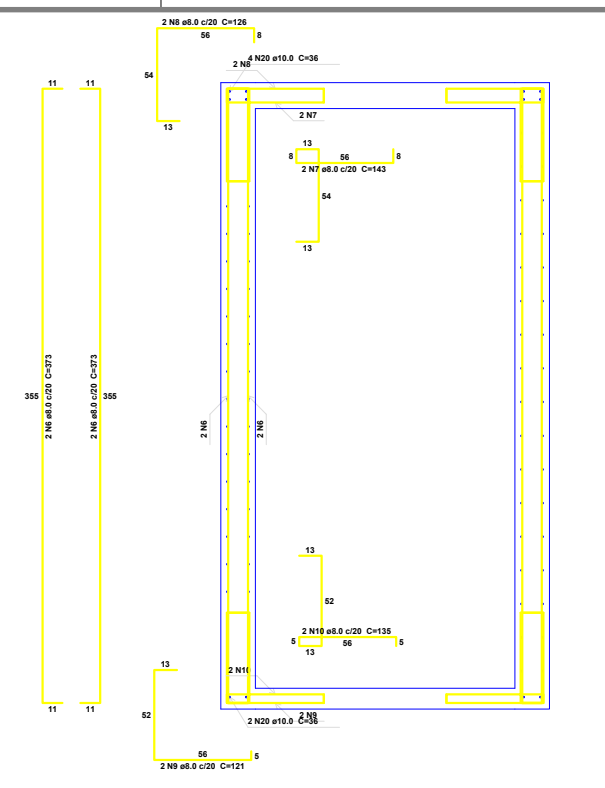
Adalajane Souza Monteiro - CREA 204995/D



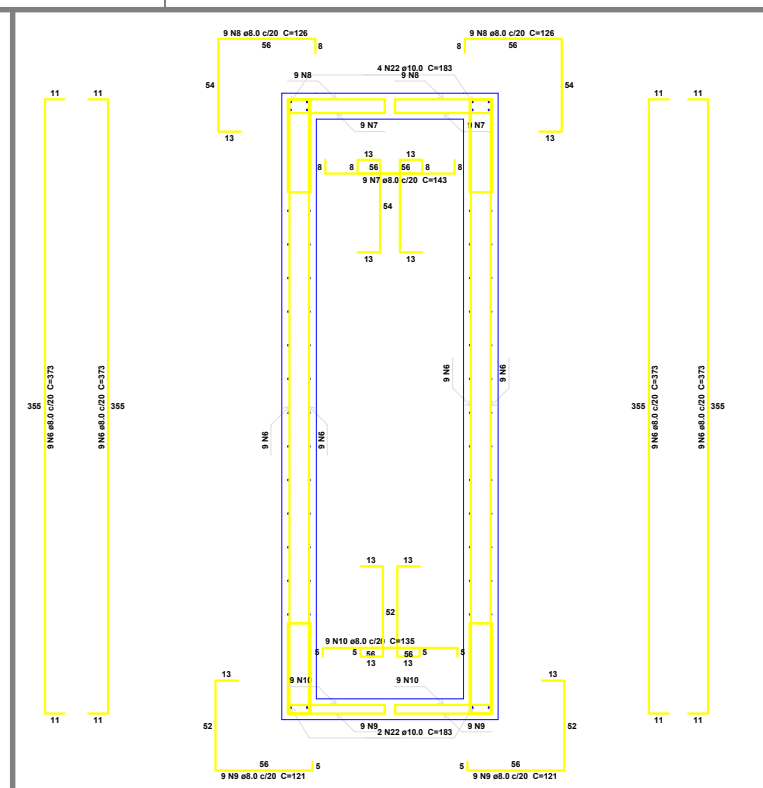
**Corte A-A**  
escala 1:20



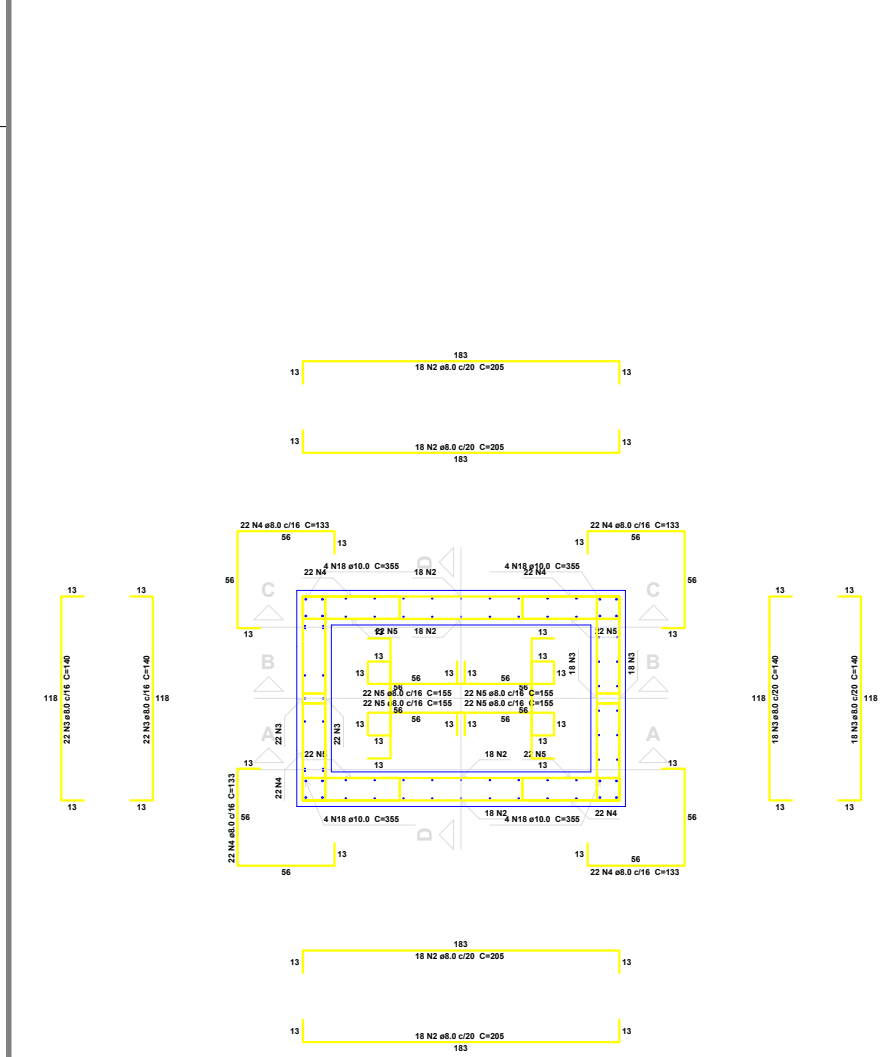
**Corte B-B**  
escala 1:20



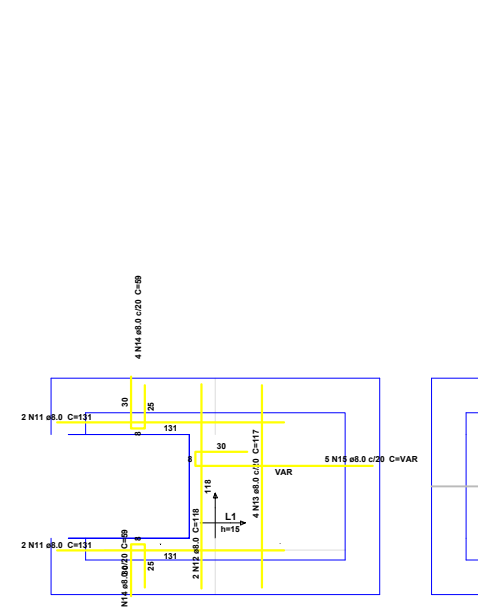
**Corte C-C**  
escala 1:20



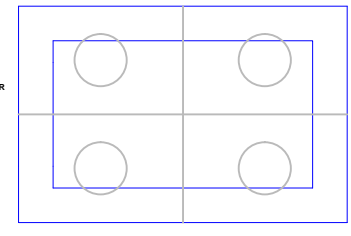
**Corte D-D**  
escala 1:20



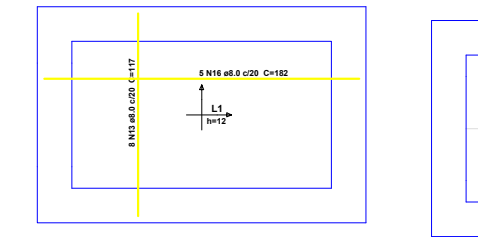
**Planta (175.0)**  
escala 1:20



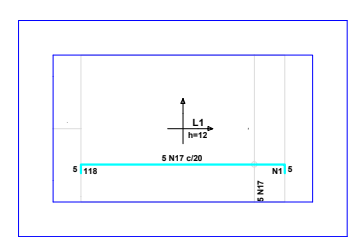
**Armação positiva das lajes (350.0)**  
escala 1:20



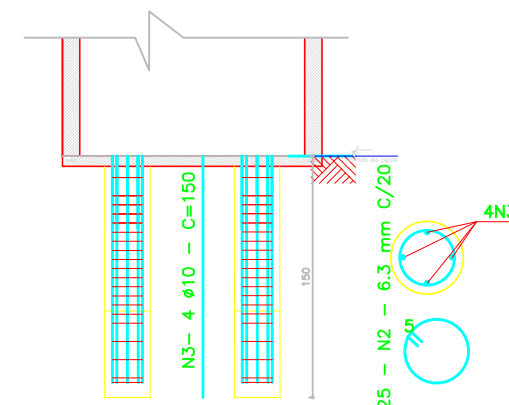
**Locação de estacas**  
escala 1:20



**Armação positiva das lajes (0.0)**  
escala 1:20



**Armação negativa das lajes (0.0)**  
escala 1:20



**DETALHE ESTACA ESCAVADA DIÂMETRO 30**  
ESCALA 1:50

| Relação do aço  |    |                   |    |                   |         |
|-----------------|----|-------------------|----|-------------------|---------|
| Corte A-A       |    | Corte B-B         |    | Corte C-C         |         |
| Corte D-D       |    | Negativos (0.0)   |    | Planta (175.0)    |         |
| Positivos (0.0) |    | Positivos (350.0) |    | Positivos (350.0) |         |
| AÇO             | N  | DIAM              | Q  | UNIT              | C.TOTAL |
|                 |    |                   |    | (cm)              | (cm)    |
| CA50            | 1  | 8.0               | 8  | 26                | 210     |
| CA50            | 2  | 8.0               | 62 | 373               | 23126   |
|                 | 3  | 8.0               | 28 | 143               | 4004    |
|                 | 4  | 8.0               | 20 | 126               | 3528    |
|                 | 5  | 8.0               | 31 | 121               | 3761    |
|                 | 6  | 8.0               | 31 | 135               | 4185    |
|                 | 7  | 8.0               | 5  | 124               | 620     |
|                 | 8  | 8.0               | 72 | 205               | 14760   |
|                 | 9  | 8.0               | 80 | 140               | 11200   |
|                 | 10 | 8.0               | 88 | 133               | 11764   |
|                 | 11 | 8.0               | 88 | 155               | 13640   |
|                 | 12 | 8.0               | 12 | 117               | 1404    |
|                 | 13 | 8.0               | 5  | 162               | 810     |
|                 | 14 | 8.0               | 4  | 131               | 624     |
|                 | 15 | 8.0               | 2  | 116               | 236     |
|                 | 16 | 8.0               | 8  | 59                | 472     |
|                 | 17 | 8.0               | 5  | VAR               | VAR     |
|                 | 18 | 10.0              | 8  | 116               | 708     |
|                 | 19 | 10.0              | 12 | 36                | 432     |
|                 | 20 | 10.0              | 2  | 73                | 146     |
|                 | 21 | 10.0              | 12 | 163               | 2196    |
|                 | 22 | 10.0              | 16 | 365               | 5680    |

| Resumo do aço     |      |         |             |
|-------------------|------|---------|-------------|
| AÇO               | DIAM | C.TOTAL | PESO + 10 % |
|                   |      | (m)     | (kg)        |
| CA50              | 8.0  | 947.5   | 411.3       |
| CA80              | 10.0 | 91.7    | 62.1        |
| CA80              | 6.0  | 5.1     | 6.9         |
| <b>PESO TOTAL</b> |      |         |             |
| CA50              |      | 473.4   |             |
| CA80              |      | 6.9     |             |

Vol. de concreto total (C-30) = 4.14 m<sup>3</sup>  
Área de forma total = 40.82 m<sup>2</sup>

| Ferro                              |                    | Ferro de distribuição    |                |
|------------------------------------|--------------------|--------------------------|----------------|
| N17                                |                    | Armadura de distribuição |                |
| 5 N1 ø5.0 c/20 C=85                |                    |                          |                |
| 05/09/2024                         | 00                 | EMISSION INICIAL         |                |
| DATA                               | REV                | DESCRIÇÃO                | DESENHO        |
| AUTOR DO PROJETO                   |                    | CREA                     | 204995/D       |
| RESPONSÁVEL TÉCNICO                |                    | CREA                     | 204995/D       |
| PROPRIETÁRIO                       |                    | DESENHO                  |                |
| PREFEITURA MUNICIPAL DE LUMINÁRIAS |                    |                          |                |
| PROJETO                            | CONTEÚDO           | ESCALA                   |                |
|                                    | USO                | INDICADA                 |                |
|                                    | TÍTULO             | institucional            |                |
| LOCAL                              | PROJETO ESTRUTURAL | ÁREA CONSTRUÇÃO          | m <sup>2</sup> |
| Rua Antônio Dinamarco              | FOLHA              | 01/01                    | ESTR           |