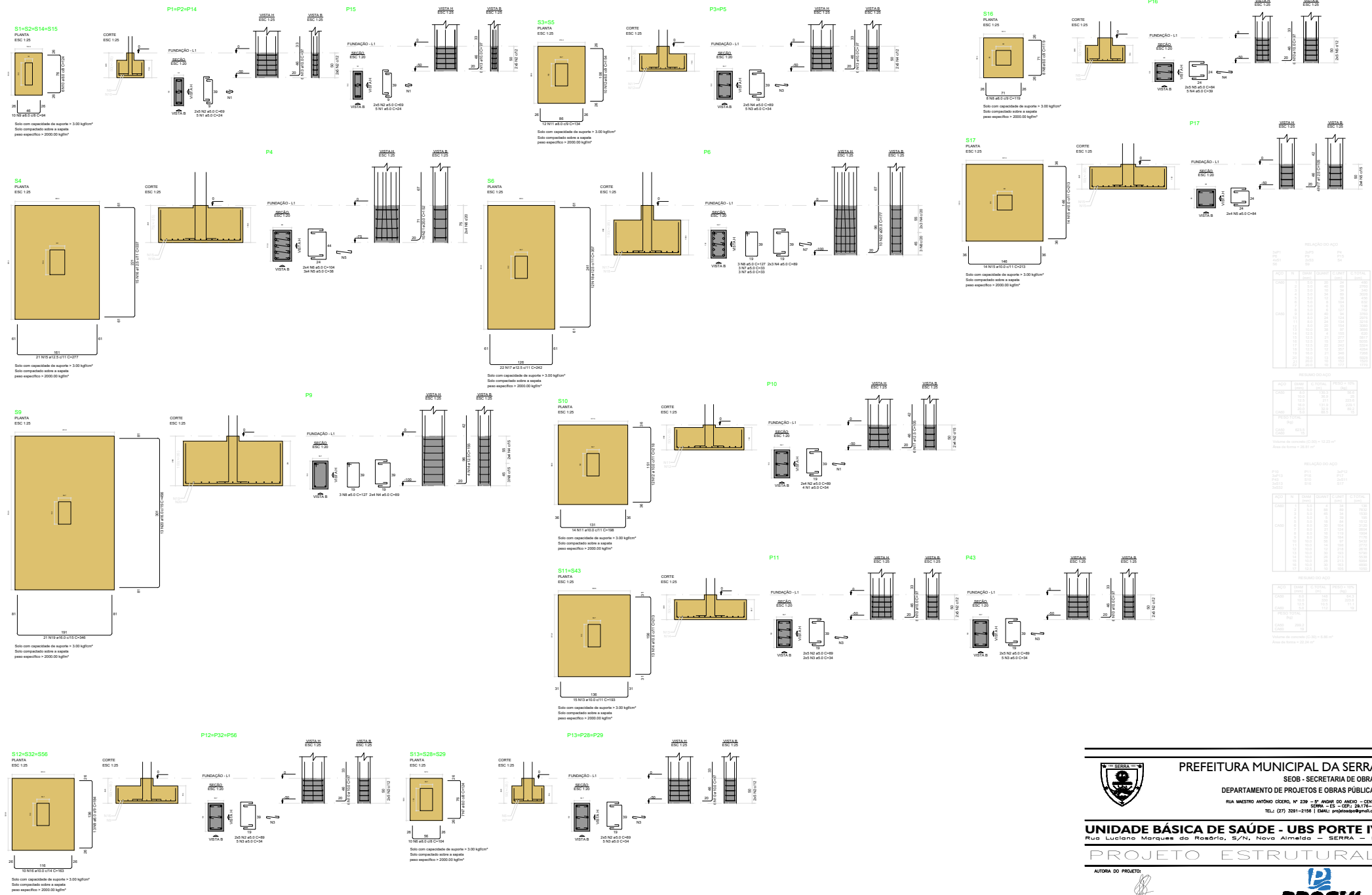
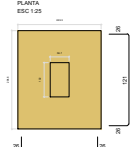
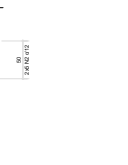
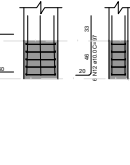
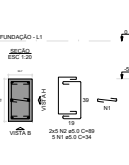
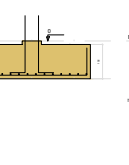
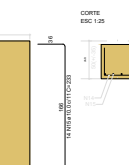
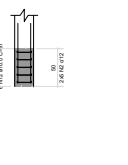
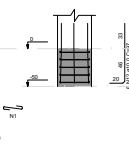
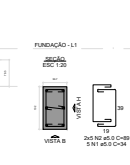
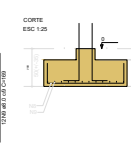




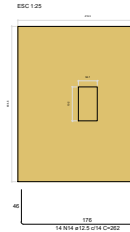
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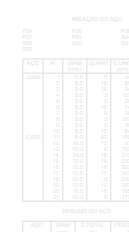
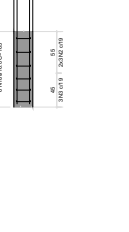
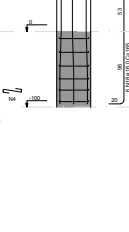
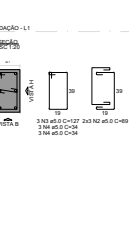
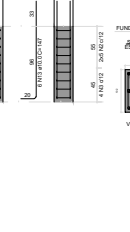
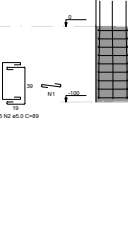
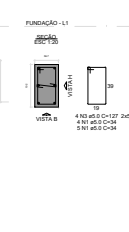
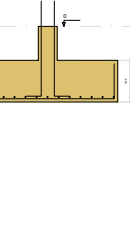
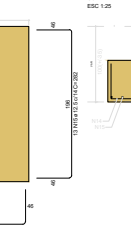
Solo com capacidade de suporte > 3.00 kgf/cm²  
Solo compactado sobre a sapata  
pressão específica > 2000.00 kgf/cm²



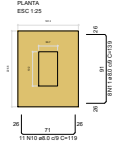
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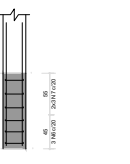
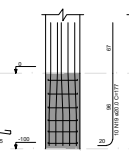
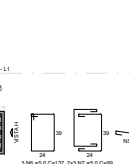
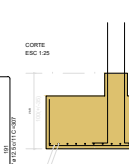
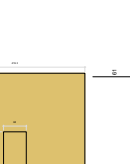
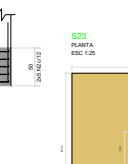
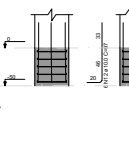
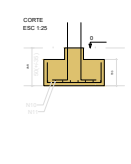
Solo com capacidade de suporte > 3.00 kgf/cm²  
Solo compactado sobre a sapata  
pressão específica > 2000.00 kgf/cm²



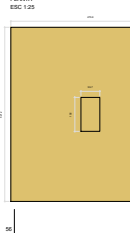
S22



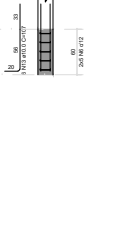
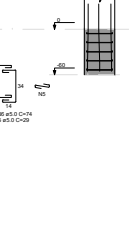
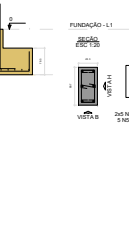
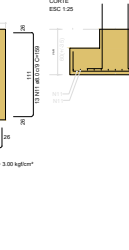
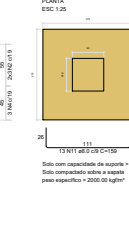
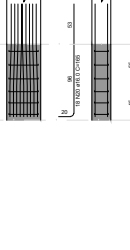
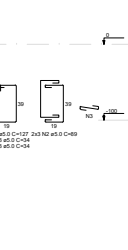
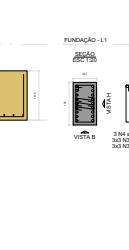
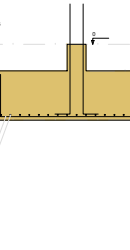
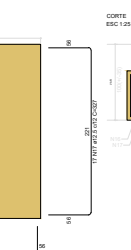
Solo com capacidade de suporte > 3.00 kgf/cm²  
Solo compactado sobre a sapata  
pressão específica > 2000.00 kgf/cm²



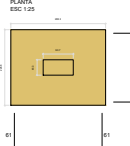
S25



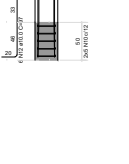
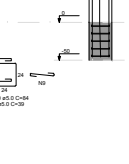
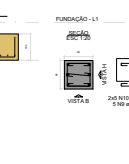
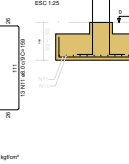
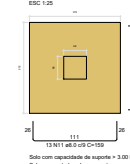
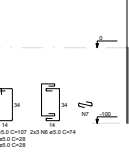
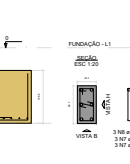
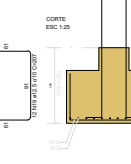
Solo com capacidade de suporte > 3.00 kgf/cm²  
Solo compactado sobre a sapata  
pressão específica > 2000.00 kgf/cm²



S31



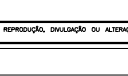
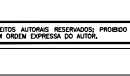
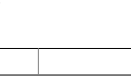
Solo com capacidade de suporte > 3.00 kgf/cm²  
Solo compactado sobre a sapata  
pressão específica > 2000.00 kgf/cm²



S33



Solo com capacidade de suporte > 3.00 kgf/cm²  
Solo compactado sobre a sapata  
pressão específica > 2000.00 kgf/cm²



**PREFEITURA MUNICIPAL DA SERRA**  
SEOB - SECRETARIA DE OBRAS  
DEPARTAMENTO DE PROJETOS E OBRAS PÚBLICAS  
RUA MESTRE ANTONIO CECILIO, Nº 239 - ST. ANTONIO DO ANJO - CENTRO  
SERRA - ES - CEP: 24.178-438  
TEL: (27) 3281-2156 | EMAIL: [projeto@pm.serra.es.gov.br](mailto:projeto@pm.serra.es.gov.br)

**UNIDADE BÁSICA DE SAÚDE - UBS PORTE IV**  
Rua Luciano Marques do Rosário, S/N, Nova Almeida - SERRA - ES

**PROJETO ESTRUTURAL**

AUTORA DO PROJETO:  
  
LANDY LUCAS SCAISER COUTINHO  
CREA ES-050285/D

DATA: 10/03/24  
ESCALA: 30X  
EDITORIA GRÁFICA: 1.0  
VERSÃO: 02/08

PROJETO DE RESERVAÇÃO  
SEM ORDEM EXPRESSA DO AUTOR.

PROJETO DE RESERVAÇÃO  
SEM ORDEM EXPRESSA DO AUTOR.





FUNDAÇÃO - L1

seção  
ESC 1:20

VISTA A-A

VISTA B

2x5 N2 a5.0 C=84  
A.N1 a5.0 C=70

FUNDAÇÃO - L1

seção  
ESC 1:20

VISTA A-A

VISTA B-B

2x5 N2 a5,0 C=84  
A.N1 a5,0 F=70

Technical drawing of a window frame cross-section. The drawing shows a frame with a height of 12. The frame is composed of two main parts: a top part labeled '25 x 55' and a bottom part labeled '32 N1 d/14'. The frame is mounted on a wall, with a 'P10' label indicating a specific component or fastener. The drawing is a black and white line drawing with dimensions and labels.

[illegible]

3 N25 ø8.0 C

F/A

P/2

A

55

30

30 N3 ø15

3 N25 ø8.0 C

Technical drawing of a U-shaped wall section. The vertical wall has a height of 1.00 m and is reinforced with vertical bars. The horizontal base has a width of 0.12 m and is reinforced with horizontal bars. Labels indicate 'REINFORCING' for the vertical bars and 'REINFORCING' for the horizontal bars. A dimension of 0.12 m is shown for the base width.

FUNDAÇÃO - L1

SEÇÃO  
ESC 1:20

100

36

14

VISTA H

VISTA B

13 N4 ø5.0 C=107 2x4 N5 ø5.0 C=29  
13 N3 ø5.0 C=29  
4 N3 ø5.0 C=29

3 N50  $\phi$ 10.0 C=300 (1c)

300

A

25 x 55

24 N14  $\phi$ 14

3 N50  $\phi$ 10.0 C=300 (1c)

P38

Technical drawing of a beam cross-section showing reinforcement details. The beam has a width of 15 x 55 cm and a height of 16 N3 U15 cm. It features 3 N27 bars at the top and 3 N25 bars at the bottom. A section line A-A is indicated, and a dimension of 299 is shown for the top reinforcement.

Technical drawing of a beam cross-section. The top flange has a width of 2 N20 ± 10.0 C=429 (16). The web has a height of 15 x 45. The bottom flange has a width of 28 N10 c/15. The material is specified as S275.

[illegible]

Technical drawing of a reinforced concrete slab (Lc) showing dimensions and reinforcement details. The slab is 173 cm wide and 12 cm thick. It has a central section of 25 x 50 cm. The drawing includes reinforcement bars (F28, F29) and dimensions for the slab and reinforcement.

Technical drawing of a shaft assembly. The shaft has a diameter of  $\varnothing 10.0$  and a length of  $C=225$  (1c). It is supported by two bearings, labeled 3 N32 and 2 N13. The distance between the bearings is 25. The total length of the assembly is 42 N.

Technical drawing of a beam cross-section. The drawing shows a rectangular cross-section with a width of 28 N2 c/15 and a height of 15 x 45. The material is specified as 2 N34 a10.0 C= and 2 N15 a8.0 C=.

Technical drawing of a rectangular plate with dimensions 100x30. The plate has a central slot with a width of 10 and a depth of 10. The drawing is labeled with dimensions 100, 30, and 10. The text '28 N2 a5.0 C=107' is visible at the bottom left of the drawing area.



**DA SERRA**  
**ARIA DE OBRAS**  
**BRAS PÚBLICAS**

|                                                                                                                        |               |                                                                                                                                                                                                                                                                                                                           |                       |
|------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|                                   |               | <b>PREFEITURA MUNICIPAL DA SERRA</b><br><b>SE08 - SECRETARIA DE OBRAS</b><br><b>DEPARTAMENTO DE PROJETOS E OBRAS PÚBLICAS</b><br>RUA MESTRE ANTONIO COSTA, Nº 129 - 1º ANDAR DO MEIO - CENTRO - SERRA - ES - CEP: 28.178-439<br>TEL.: (27) 3281-1108   E-MAIL: <a href="mailto:projeto@psm.gov.br">projeto@psm.gov.br</a> |                       |
| <b>UNIDADE BÁSICA DE SAÚDE - UBS PORTE IV</b><br><b>Rua Luciano Marques do Rosário, S/N, Nova Almeida - SERRA - ES</b> |               |                                                                                                                                                                                                                                                                                                                           |                       |
| <b>PROJETO ESTRUTURAL</b>                                                                                              |               |                                                                                                                                                                                                                                                                                                                           |                       |
| AUTORIA DO PROJETO:               |               |                                                                                                                                                                                                                                                                                                                           |                       |
|                                   |               |                                                                                                                                                                                                                                                                                                                           |                       |
| <b>LANDY LUCAS SCHOLZER COUTINHO</b><br>CREA ES-000289/D                                                               |               |                                                                                                                                                                                                                                                                                                                           |                       |
| DATA:<br>mar-28                                                                                                        | ESQAL:<br>00X | EDIÇÃO GRÁFICA:                                                                                                                                                                                                                                                                                                           | VERSÃO:<br>1.0        |
| PRONAL:                                                                                                                |               |                                                                                                                                                                                                                                                                                                                           | <b>05</b> / <b>08</b> |
| DEPOSITO AUTORES RESERVADOS. PROIBIDO REPRODUÇÃO, EVALUAÇÃO OU ALTERAÇÃO SEM ADEQUADA AUTORIZAÇÃO.                     |               |                                                                                                                                                                                                                                                                                                                           |                       |





