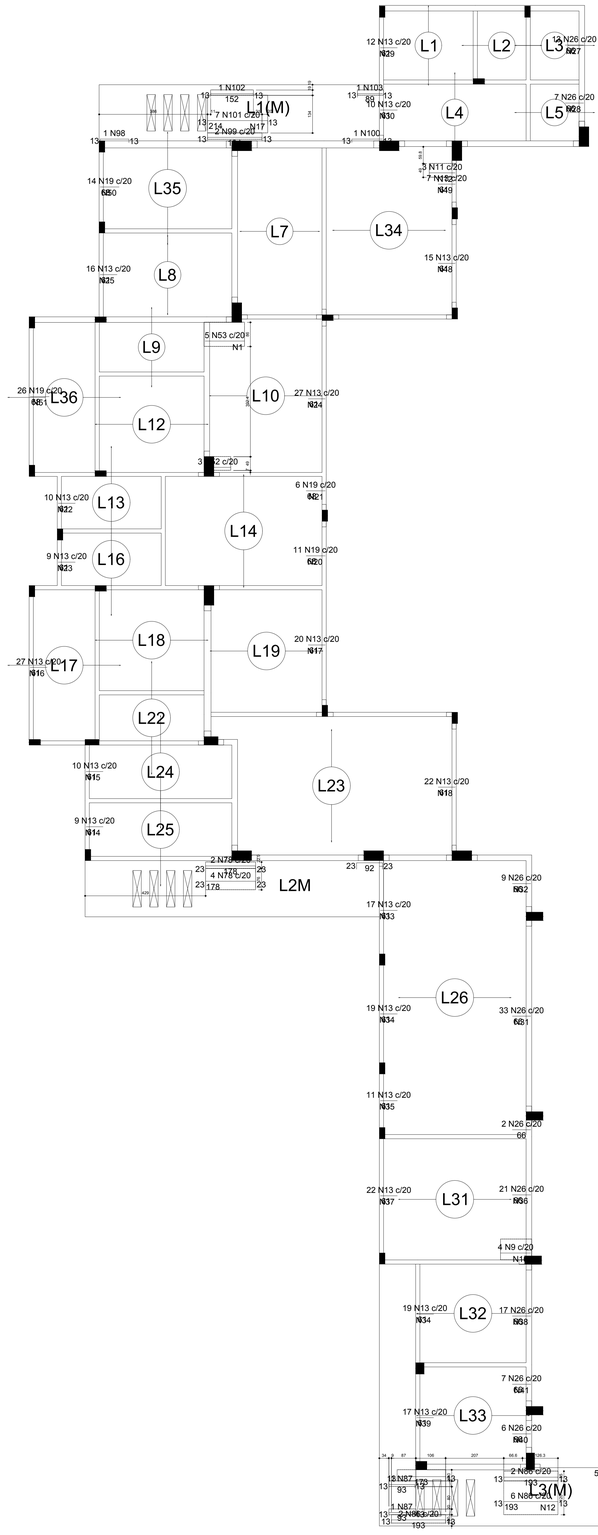



## Relação do aço

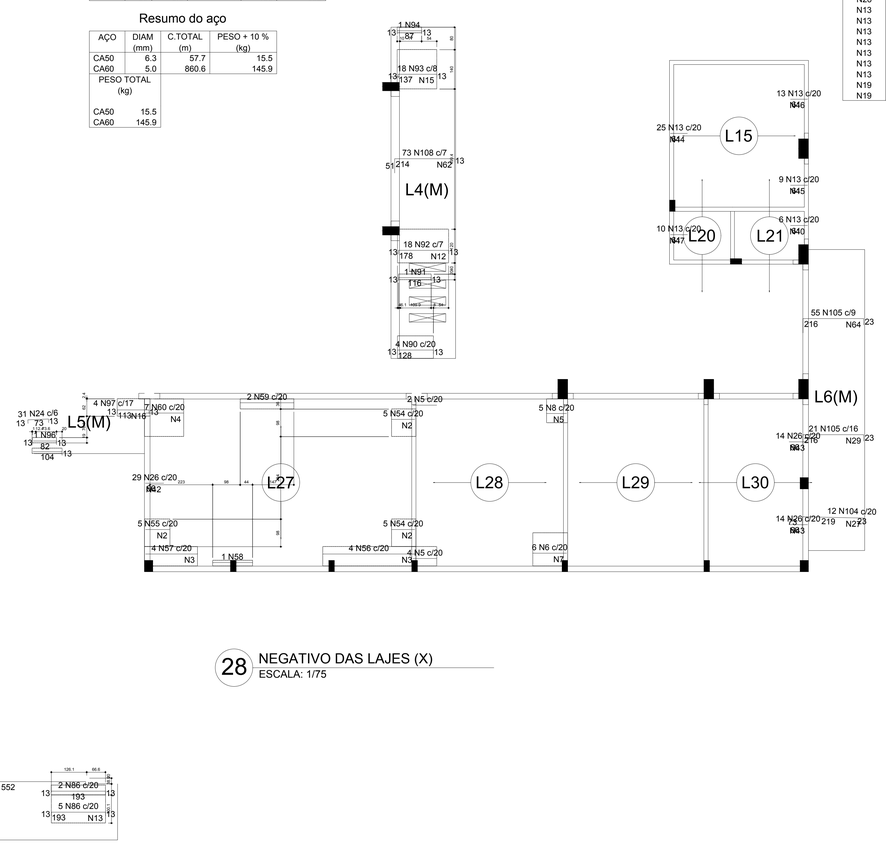
Negativos X

| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 7 | 86 | 602 |
| | 2 | 5.0 | 15 | 98 | 1470 |
| | 3 | 5.0 | 27 | 69 | 1863 |
| | 4 | 5.0 | 7 | 134 | 938 |
| | 5 | 5.0 | 10 | 85 | 850 |
| | 6 | 5.0 | 6 | 120 | 720 |
| | 7 | 5.0 | 6 | 118 | 708 |
| | 8 | 5.0 | 5 | 71 | 355 |
| | 9 | 5.0 | 4 | 107 | 428 |
| | 10 | 5.0 | 6 | 74 | 444 |
| | 11 | 5.0 | 3 | 92 | 276 |
| | 12 | 5.0 | 5 | 49 | 245 |
| | 13 | 5.0 | 362 | 61 | 22082 |
| | 14 | 5.0 | 3 | 185 | 555 |
| | 15 | 5.0 | 3 | 208 | 624 |
| | 16 | 5.0 | 3 | 533 | 1599 |
| | 17 | 5.0 | 3 | 409 | 1227 |
| | 18 | 5.0 | 3 | 433 | 1299 |
| | 19 | 5.0 | 57 | 68 | 3876 |
| | 20 | 5.0 | 4 | 226 | 904 |
| | 21 | 5.0 | 4 | 117 | 468 |
| | 22 | 5.0 | 3 | 206 | 618 |
| | 23 | 5.0 | 3 | 181 | 543 |
| | 24 | 5.0 | 3 | 538 | 1614 |
| | 25 | 5.0 | 3 | 320 | 960 |
| | 26 | 5.0 | 172 | 66 | 11352 |
| | 27 | 5.0 | 4 | 263 | 1052 |
| | 28 | 5.0 | 4 | 149 | 596 |
| | 29 | 5.0 | 3 | 244 | 732 |
| | 30 | 5.0 | 3 | 199 | 597 |
| | 31 | 5.0 | 4 | 661 | 2644 |
| | 32 | 5.0 | 4 | 184 | 736 |
| | 33 | 5.0 | 3 | 334 | 1002 |
| | 34 | 5.0 | 6 | 371 | 2226 |
| | 35 | 5.0 | 3 | 215 | 645 |
| | 36 | 5.0 | 4 | 415 | 1660 |
| | 37 | 5.0 | 3 | 430 | 1290 |
| | 38 | 5.0 | 4 | 348 | 1392 |
| | 39 | 5.0 | 3 | 335 | 1005 |
| | 40 | 5.0 | 7 | 116 | 812 |
| | 41 | 5.0 | 4 | 138 | 552 |
| | 42 | 5.0 | 4 | 580 | 2320 |
| | 43 | 5.0 | 8 | 285 | 2280 |
| | 44 | 5.0 | 3 | 505 | 1515 |
| | 45 | 5.0 | 3 | 171 | 513 |
| | 46 | 5.0 | 3 | 262 | 786 |
| | 47 | 5.0 | 3 | 196 | 588 |
| | 48 | 5.0 | 3 | 297 | 891 |
| | 49 | 5.0 | 3 | 148 | 444 |
| | 50 | 5.0 | 4 | 272 | 1088 |
| | 51 | 5.0 | 4 | 518 | 2072 |
| CA50 | 52 | 6.3 | 3 | 92 | 276 |
| | 53 | 6.3 | 5 | 140 | 700 |
| | 54 | 6.3 | 10 | 83 | 830 |
| | 55 | 6.3 | 5 | 87 | 435 |
| | 56 | 6.3 | 4 | 328 | 1312 |
| | 57 | 6.3 | 4 | 185 | 740 |
| | 58 | 6.3 | 1 | 142 | 142 |
| | 59 | 6.3 | 2 | 191 | 382 |
| | 60 | 6.3 | 7 | 136 | 952 |

## Resumo do aço

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10 % (kg) |
|---|---|---|---|
| CA50 | 6.3 | 57.7 | 15.5 |
| CA60 | 5.0 | 860.6 | 145.9 |

| PESO TOTAL (kg) | |
|---|---|
| CA50 | 15.5 |
| CA60 | 145.9 |




28 NEGATIVO DAS LAJES (X)
ESCALA: 1/75

| Ferros de distribuição | |
|---|---|
| Ferro | Armadura de distribuição |
| N53 | 7 N1 ø5.0 c/20 C=86 |
| N54 | 5 N2 ø5.0 c/20 C=98 |
| N55 | 5 N2 ø5.0 c/20 C=98 |
| N56 | 17 N3 ø5.0 c/20 C=69 |
| N57 | 10 N3 ø5.0 c/20 C=69 |
| N60 | 7 N4 ø5.0 c/20 C=134 |
| N54 | 5 N2 ø5.0 c/20 C=98 |
| N6 | 6 N7 ø5.0 c/20 C=118 |
| N8 | 4 N5 ø5.0 c/20 C=85 |
| N9 | 6 N10 ø5.0 c/20 C=74 |
| N11 | 5 N12 ø5.0 c/20 C=49 |
| N13 | 3 N14 ø5.0 c/20 C=185 |
| N13 | 3 N15 ø5.0 c/20 C=208 |
| N13 | 3 N16 ø5.0 c/20 C=533 |
| N13 | 3 N17 ø5.0 c/20 C=409 |
| N13 | 3 N18 ø5.0 c/20 C=433 |
| N19 | 4 N20 ø5.0 c/20 C=226 |
| N19 | 4 N21 ø5.0 c/20 C=117 |
| N13 | 3 N22 ø5.0 c/20 C=206 |
| N13 | 3 N23 ø5.0 c/20 C=181 |
| N13 | 3 N24 ø5.0 c/20 C=538 |
| N13 | 3 N25 ø5.0 c/20 C=320 |
| N26 | 4 N27 ø5.0 c/20 C=263 |
| N26 | 4 N28 ø5.0 c/20 C=149 |
| N13 | 3 N29 ø5.0 c/20 C=244 |
| N13 | 3 N30 ø5.0 c/20 C=199 |
| N26 | 4 N31 ø5.0 c/20 C=661 |
| N26 | 4 N32 ø5.0 c/20 C=184 |
| N13 | 3 N33 ø5.0 c/20 C=334 |
| N13 | 3 N34 ø5.0 c/20 C=371 |
| N13 | 3 N35 ø5.0 c/20 C=215 |
| N26 | 4 N36 ø5.0 c/20 C=415 |
| N13 | 3 N37 ø5.0 c/20 C=430 |
| N13 | 3 N34 ø5.0 c/20 C=371 |
| N26 | 4 N38 ø5.0 c/20 C=348 |
| N13 | 3 N39 ø5.0 c/20 C=335 |
| N26 | 4 N40 ø5.0 c/20 C=116 |
| N26 | 4 N41 ø5.0 c/20 C=138 |
| N26 | 4 N42 ø5.0 c/20 C=580 |
| N26 | 4 N43 ø5.0 c/20 C=285 |
| N26 | 4 N43 ø5.0 c/20 C=285 |
| N13 | 3 N44 ø5.0 c/20 C=505 |
| N13 | 3 N45 ø5.0 c/20 C=171 |
| N13 | 3 N46 ø5.0 c/20 C=262 |
| N13 | 3 N47 ø5.0 c/20 C=196 |
| N13 | 3 N40 ø5.0 c/20 C=116 |
| N13 | 3 N48 ø5.0 c/20 C=297 |
| N13 | 3 N49 ø5.0 c/20 C=148 |
| N19 | 4 N50 ø5.0 c/20 C=272 |
| N19 | 4 N51 ø5.0 c/20 C=518 |


Engeobra
CREA SC 158.454-0
ENGENHARIA E INFRAESTRUTURA
Rua Primo Tacca, 350, Bairro Tacca - Xanxerê- SC
E-mail:engenharia.engeobra@gmail.com Cel: (49) 9 9976-0226


OBRA: GINÁSIO SANTA TEREZINHA

LOCAL: Rua Achiles Biassotto, s/n, Bairro Guarany - Xaxim - SC

PROJETO: PROJETO ESTRUTURAL

ESPECIFICAÇÕES: - Lajes

DATA: 02/2022

DESENHO: T.L

ÁREA: 3.544,73 m²

ESCALA: Indicada

PRANCHA: 22 /26

Projeto:

Assinado de forma digital por SAMUEL SPESSATTO OUTEIRO:04412249457
Dados: 2022.03.09 14:21:50 -03'00'

SAMUEL SPESSATTO OUTEIRO
Engº Civil- CREA SC 133319-7

Proprietário:

PREFEITURA MUNICIPAL DE XAXIM
CNPJ:82.854.670/0001-30