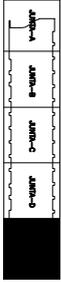
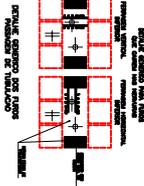
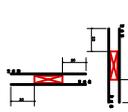
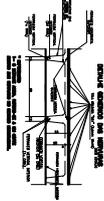


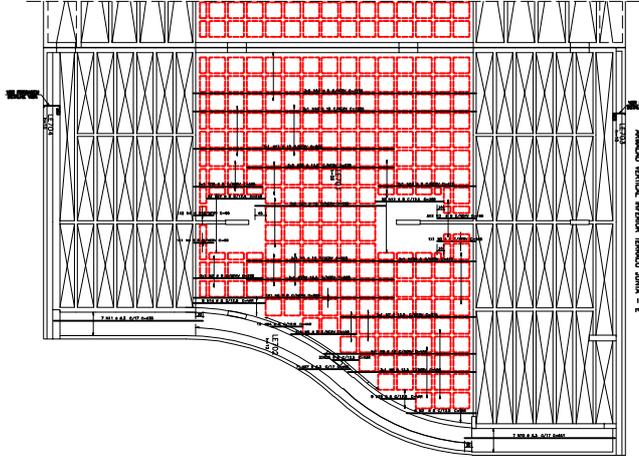
3 - VANT CONCHA MODULAR TUBULAR COMPLEX



SECTION WINDOWS



| POS | QUANT. | UNID. | COMPRIMENTO | PROVA | ESPEC. TECNICA | ESPEC. FABRIL |
|-----|--------|-------|-------------|-------|----------------|---------------|
| 407 | 150 | mm | 1000 | | | |
| 408 | 150 | mm | 1000 | | | |
| 409 | 150 | mm | 1000 | | | |
| 410 | 150 | mm | 1000 | | | |
| 411 | 150 | mm | 1000 | | | |
| 412 | 150 | mm | 1000 | | | |
| 413 | 150 | mm | 1000 | | | |
| 414 | 150 | mm | 1000 | | | |
| 415 | 150 | mm | 1000 | | | |
| 416 | 150 | mm | 1000 | | | |
| 417 | 150 | mm | 1000 | | | |
| 418 | 150 | mm | 1000 | | | |
| 419 | 150 | mm | 1000 | | | |
| 420 | 150 | mm | 1000 | | | |
| 421 | 150 | mm | 1000 | | | |
| 422 | 150 | mm | 1000 | | | |
| 423 | 150 | mm | 1000 | | | |
| 424 | 150 | mm | 1000 | | | |
| 425 | 150 | mm | 1000 | | | |
| 426 | 150 | mm | 1000 | | | |
| 427 | 150 | mm | 1000 | | | |
| 428 | 150 | mm | 1000 | | | |
| 429 | 150 | mm | 1000 | | | |
| 430 | 150 | mm | 1000 | | | |
| 431 | 150 | mm | 1000 | | | |
| 432 | 150 | mm | 1000 | | | |
| 433 | 150 | mm | 1000 | | | |
| 434 | 150 | mm | 1000 | | | |
| 435 | 150 | mm | 1000 | | | |
| 436 | 150 | mm | 1000 | | | |
| 437 | 150 | mm | 1000 | | | |
| 438 | 150 | mm | 1000 | | | |
| 439 | 150 | mm | 1000 | | | |
| 440 | 150 | mm | 1000 | | | |
| 441 | 150 | mm | 1000 | | | |
| 442 | 150 | mm | 1000 | | | |
| 443 | 150 | mm | 1000 | | | |
| 444 | 150 | mm | 1000 | | | |
| 445 | 150 | mm | 1000 | | | |
| 446 | 150 | mm | 1000 | | | |
| 447 | 150 | mm | 1000 | | | |
| 448 | 150 | mm | 1000 | | | |
| 449 | 150 | mm | 1000 | | | |
| 450 | 150 | mm | 1000 | | | |
| 451 | 150 | mm | 1000 | | | |
| 452 | 150 | mm | 1000 | | | |
| 453 | 150 | mm | 1000 | | | |
| 454 | 150 | mm | 1000 | | | |
| 455 | 150 | mm | 1000 | | | |
| 456 | 150 | mm | 1000 | | | |
| 457 | 150 | mm | 1000 | | | |
| 458 | 150 | mm | 1000 | | | |
| 459 | 150 | mm | 1000 | | | |
| 460 | 150 | mm | 1000 | | | |
| 461 | 150 | mm | 1000 | | | |
| 462 | 150 | mm | 1000 | | | |
| 463 | 150 | mm | 1000 | | | |
| 464 | 150 | mm | 1000 | | | |
| 465 | 150 | mm | 1000 | | | |
| 466 | 150 | mm | 1000 | | | |
| 467 | 150 | mm | 1000 | | | |
| 468 | 150 | mm | 1000 | | | |
| 469 | 150 | mm | 1000 | | | |
| 470 | 150 | mm | 1000 | | | |
| 471 | 150 | mm | 1000 | | | |
| 472 | 150 | mm | 1000 | | | |
| 473 | 150 | mm | 1000 | | | |
| 474 | 150 | mm | 1000 | | | |
| 475 | 150 | mm | 1000 | | | |
| 476 | 150 | mm | 1000 | | | |
| 477 | 150 | mm | 1000 | | | |
| 478 | 150 | mm | 1000 | | | |
| 479 | 150 | mm | 1000 | | | |
| 480 | 150 | mm | 1000 | | | |
| 481 | 150 | mm | 1000 | | | |
| 482 | 150 | mm | 1000 | | | |
| 483 | 150 | mm | 1000 | | | |
| 484 | 150 | mm | 1000 | | | |
| 485 | 150 | mm | 1000 | | | |
| 486 | 150 | mm | 1000 | | | |
| 487 | 150 | mm | 1000 | | | |
| 488 | 150 | mm | 1000 | | | |
| 489 | 150 | mm | 1000 | | | |
| 490 | 150 | mm | 1000 | | | |
| 491 | 150 | mm | 1000 | | | |
| 492 | 150 | mm | 1000 | | | |
| 493 | 150 | mm | 1000 | | | |
| 494 | 150 | mm | 1000 | | | |
| 495 | 150 | mm | 1000 | | | |
| 496 | 150 | mm | 1000 | | | |
| 497 | 150 | mm | 1000 | | | |
| 498 | 150 | mm | 1000 | | | |
| 499 | 150 | mm | 1000 | | | |
| 500 | 150 | mm | 1000 | | | |



4 - VANT GERAL INTERIOR TERMOCO JUNTA - 4

| POS | QUANT. | UNID. | COMPRIMENTO | PROVA | ESPEC. TECNICA | ESPEC. FABRIL |
|-----|--------|-------|-------------|-------|----------------|---------------|
| 407 | 150 | mm | 1000 | | | |
| 408 | 150 | mm | 1000 | | | |
| 409 | 150 | mm | 1000 | | | |
| 410 | 150 | mm | 1000 | | | |
| 411 | 150 | mm | 1000 | | | |
| 412 | 150 | mm | 1000 | | | |
| 413 | 150 | mm | 1000 | | | |
| 414 | 150 | mm | 1000 | | | |
| 415 | 150 | mm | 1000 | | | |
| 416 | 150 | mm | 1000 | | | |
| 417 | 150 | mm | 1000 | | | |
| 418 | 150 | mm | 1000 | | | |
| 419 | 150 | mm | 1000 | | | |
| 420 | 150 | mm | 1000 | | | |
| 421 | 150 | mm | 1000 | | | |
| 422 | 150 | mm | 1000 | | | |
| 423 | 150 | mm | 1000 | | | |
| 424 | 150 | mm | 1000 | | | |
| 425 | 150 | mm | 1000 | | | |
| 426 | 150 | mm | 1000 | | | |
| 427 | 150 | mm | 1000 | | | |
| 428 | 150 | mm | 1000 | | | |
| 429 | 150 | mm | 1000 | | | |
| 430 | 150 | mm | 1000 | | | |
| 431 | 150 | mm | 1000 | | | |
| 432 | 150 | mm | 1000 | | | |
| 433 | 150 | mm | 1000 | | | |
| 434 | 150 | mm | 1000 | | | |
| 435 | 150 | mm | 1000 | | | |
| 436 | 150 | mm | 1000 | | | |
| 437 | 150 | mm | 1000 | | | |
| 438 | 150 | mm | 1000 | | | |
| 439 | 150 | mm | 1000 | | | |
| 440 | 150 | mm | 1000 | | | |
| 441 | 150 | mm | 1000 | | | |
| 442 | 150 | mm | 1000 | | | |
| 443 | 150 | mm | 1000 | | | |
| 444 | 150 | mm | 1000 | | | |
| 445 | 150 | mm | 1000 | | | |
| 446 | 150 | mm | 1000 | | | |
| 447 | 150 | mm | 1000 | | | |
| 448 | 150 | mm | 1000 | | | |
| 449 | 150 | mm | 1000 | | | |
| 450 | 150 | mm | 1000 | | | |
| 451 | 150 | mm | 1000 | | | |
| 452 | 150 | mm | 1000 | | | |
| 453 | 150 | mm | 1000 | | | |
| 454 | 150 | mm | 1000 | | | |
| 455 | 150 | mm | 1000 | | | |
| 456 | 150 | mm | 1000 | | | |
| 457 | 150 | mm | 1000 | | | |
| 458 | 150 | mm | 1000 | | | |
| 459 | 150 | mm | 1000 | | | |
| 460 | 150 | mm | 1000 | | | |
| 461 | 150 | mm | 1000 | | | |
| 462 | 150 | mm | 1000 | | | |
| 463 | 150 | mm | 1000 | | | |
| 464 | 150 | mm | 1000 | | | |
| 465 | 150 | mm | 1000 | | | |
| 466 | 150 | mm | 1000 | | | |
| 467 | 150 | mm | 1000 | | | |
| 468 | 150 | mm | 1000 | | | |
| 469 | 150 | mm | 1000 | | | |
| 470 | 150 | mm | 1000 | | | |
| 471 | 150 | mm | 1000 | | | |
| 472 | 150 | mm | 1000 | | | |
| 473 | 150 | mm | 1000 | | | |
| 474 | 150 | mm | 1000 | | | |
| 475 | 150 | mm | 1000 | | | |
| 476 | 150 | mm | 1000 | | | |
| 477 | 150 | mm | 1000 | | | |
| 478 | 150 | mm | 1000 | | | |
| 479 | 150 | mm | 1000 | | | |
| 480 | 150 | mm | 1000 | | | |
| 481 | 150 | mm | 1000 | | | |
| 482 | 150 | mm | 1000 | | | |
| 483 | 150 | mm | 1000 | | | |
| 484 | 150 | mm | 1000 | | | |
| 485 | 150 | mm | 1000 | | | |
| 486 | 150 | mm | 1000 | | | |
| 487 | 150 | mm | 1000 | | | |
| 488 | 150 | mm | 1000 | | | |
| 489 | 150 | mm | 1000 | | | |
| 490 | 150 | mm | 1000 | | | |
| 491 | 150 | mm | 1000 | | | |
| 492 | 150 | mm | 1000 | | | |
| 493 | 150 | mm | 1000 | | | |
| 494 | 150 | mm | 1000 | | | |
| 495 | 150 | mm | 1000 | | | |
| 496 | 150 | mm | 1000 | | | |
| 497 | 150 | mm | 1000 | | | |
| 498 | 150 | mm | 1000 | | | |
| 499 | 150 | mm | 1000 | | | |
| 500 | 150 | mm | 1000 | | | |

EXERCÍCIO:
 - TUDO O INTERROGADO DE FORMA RESPONSAVA, SEM SE QUAL PRODUÇÃO, ASSIM COMO AS CORTES E OS ANEXOS QUE FORMAREM O PROJETO, DEVEM SER FEITOS RESPONSAVEL, TÉCNICO DA OBRA OU RESPONSÁVEL PELA CONSTRUÇÃO.

FCK = 40 MPa
 EC = 30 GPa
 A/C = 0,65
 (SEM OUTROS CIMENTOS)

PROJETO ESTRUTURAL

00 Engenharia Especialista e Projetos Ltda

PROJETO ESTRUTURAL

ANEXO INTERIOR LATE TUBOCO JUNTA - 4

14/2/173

CONSTRUTORA LIDERAR S.A.