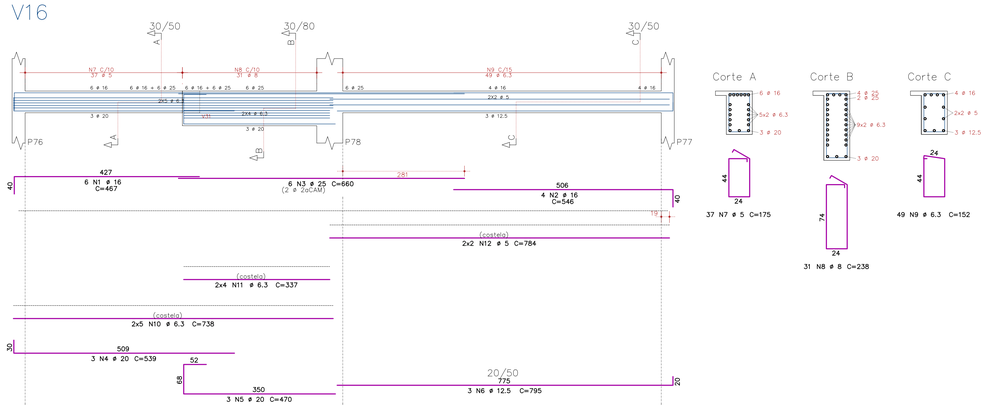
NOTAS GERAIS:

ESTRUTURAS EM CONCRETO

1– DIMENSÕES EM 'cm' (CENTIMETROS), COTAS DE NIVEL EM 'm' (METROS).
2– PARA O PROJETO DAS ESTRUTURAS DE CONCRETO FORAM CONSIDERADOS OS REQUISITOS DA NORMA ABNT 6118/2014, DEVENDO ESTA SER CONSIDERADA PELO EXECUTANTE DA OBRA.
3– ALÉM DAS ESPECIFICAÇÕES INDICADAS DE FORMA EXPLÍCITA NAS PLANTAS DO PROJETO ESTRUTURAL, O EXECUTANTE DA ESTRUTURA DEVERÁ OBSERVAR RIGOROSAMENTE TODAS AS PRESCRIÇÕES DA NBR 6118/2014 E DEMAIS NORMAS PERTINENTES EM VIGÊNCIA.
4– PARA QUAISQUER ALTERAÇÕES NESTE PROJETO, DEVERÁ SER CONTATADA PREVIAMENTE ESTA EMPRESA.
5– CARACTERÍSTICAS GERAIS:
a. CLASSE DE AGRESSIVIDADE AMBIENTAL: CAA II
b. CLASSE DO CONCRETO: fck> **30**MPa
c. COBRIMENTO DAS ARMADURAS PASSIVAS (cm)

LAJES	VIGAS	PILARES	FUNDAÇÕES
2,5	3,0	3,0	3,0

V16



Corte A

37 N7 ø 5 C=175

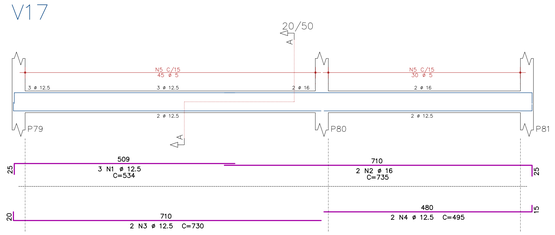
Corte B

31 N8 ø 8 C=238

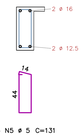
Corte C

49 N9 ø 6.3 C=152

V17

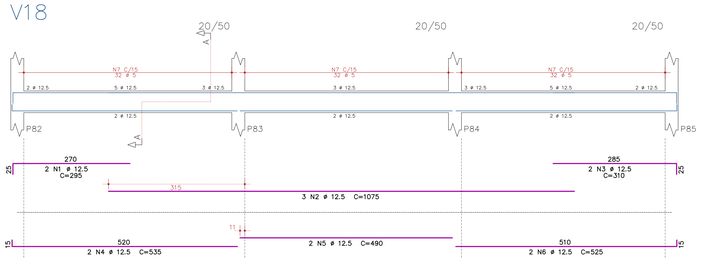


Corte A

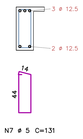


75 N5 ø 5 C=131

V18

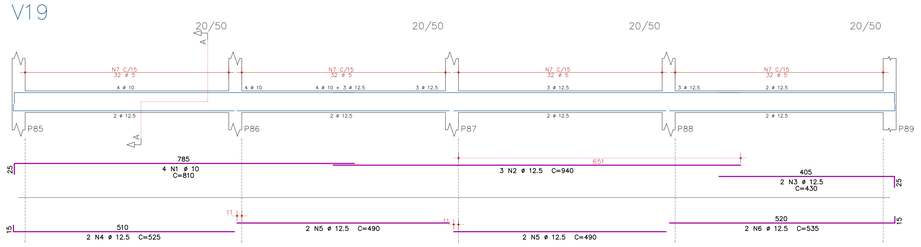


Corte A

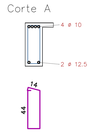


96 N7 ø 5 C=131

V19

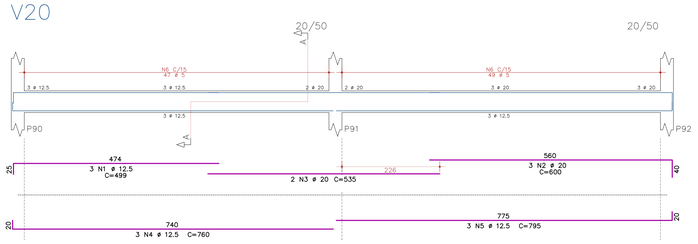


Corte A

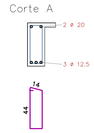


128 N7 ø 5 C=131

V20

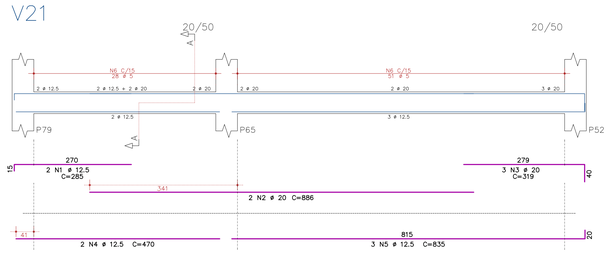


Corte A

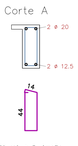


96 N6 ø 5 C=131

V21

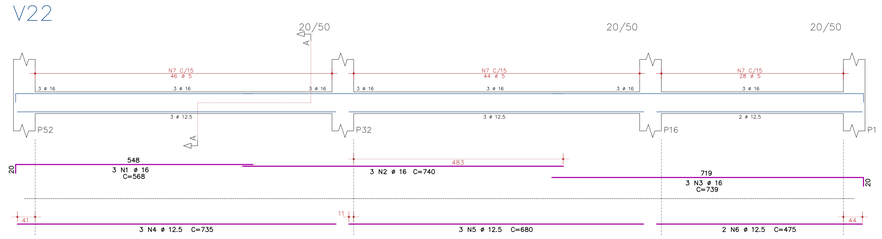


Corte A

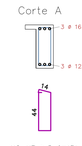


79 N6 ø 5 C=131

V22

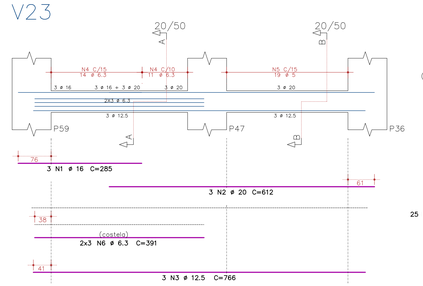


Corte A

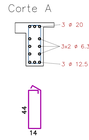


118 N7 ø 5 C=131

V23

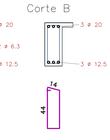


Corte A



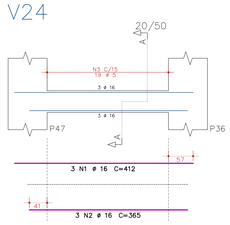
25 N4 ø 6.3 C=146

Corte B

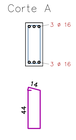


19 N5 ø 5 C=131

V24

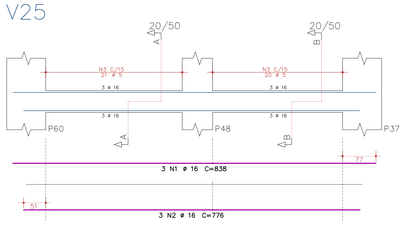


Corte A

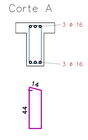


19 N3 ø 5 C=131

V25

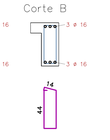


Corte A



21 N3 ø 5 C=131

Corte B



20 N3 ø 5 C=131

DET. VIGAS – SUBSOLO 1
Escala: 1/50

AÇO	POS	BIT	QUANT	COMPRIMENTO UNIT.	COMPRIMENTO TOTAL
		mm		cm	cm
V16					
50A	1	16	6	467	2802
50A	2	16	4	546	2184
50A	3	25	6	660	3960
50A	4	20	3	539	1617
50A	5	20	3	470	1410
50A	6	12.5	3	795	2385
60B	7	5	37	175	6475
50A	8	8	31	238	7378
50A	9	6.3	49	152	7448
50A	10	6.3	10	738	7380
50A	11	6.3	8	337	2696
60B	12	5	4	784	31.36
V17					
50A	1	12.5	3	534	1602
50A	2	16	2	735	1470
50A	3	12.5	2	730	1460
50A	4	12.5	2	495	990
60B	5	5	75	131	9825
V18					
50A	1	12.5	2	295	590
50A	2	12.5	3	1075	3225
50A	3	12.5	2	310	620
50A	4	12.5	2	535	1070
50A	5	12.5	2	490	980
50A	6	12.5	2	525	1050
60B	7	5	96	131	12576
V19					
50A	1	10	4	810	3240
50A	2	12.5	3	940	2820
50A	3	12.5	2	430	860
50A	4	12.5	2	525	1050
50A	5	12.5	4	490	1960
50A	6	12.5	2	535	1070
60B	7	5	128	131	16768
V20					
50A	1	12.5	3	499	1497
50A	2	20	3	600	1800
50A	3	20	2	535	1070
50A	4	12.5	3	760	2280
50A	5	12.5	3	795	2385
60B	6	5	96	131	12576
V21					
50A	1	12.5	2	285	570
50A	2	20	2	886	1772
50A	3	20	3	319	957
50A	4	12.5	2	470	940
50A	5	12.5	3	835	2505
60B	6	5	79	131	10349
V22					
50A	1	16	3	568	1704
50A	2	16	3	740	2220
50A	3	16	3	739	2217
50A	4	12.5	3	735	2205
50A	5	12.5	3	680	2040
50A	6	12.5	2	475	950
60B	7	5	118	131	15458
V23					
50A	1	16	3	285	855
50A	2	20	3	612	1836
50A	3	12.5	3	766	2298
50A	4	6.3	25	146	3650
60B	5	5	19	131	2489
50A	6	6.3	6	391	2346
V24					
50A	1	16	3	412	1236
50A	2	16	3	365	1095
60B	3	5	19	131	2489
V25					
50A	1	16	3	838	2514
50A	2	16	3	776	2328
60B	3	5	41	131	5371

RESUMO DE AÇO

AÇO	BIT mm	COMPR m	PESO kgf
60B	5	975	150
50A	6.3	234	58
50A	8	74	29
50A	10	32	20
50A	12.5	394	379
50A	16	207	327
50A	20	105	260
Peso Total	60B =		150 kgf
Peso Total	50A =		1073 kgf

REVISÃO			
REVISÃO			
REVISÃO			
REVISÃO			
REVISÃO		30/05/2024	REMOÇÃO DA VIGA V15
EMISSÃO INICIAL		01/04/2024	EMITIDO PARA COMENTÁRIOS

SERVIÇO AUTÔNOMO MUNICIPAL DE ÁGUA E ESGOTO
CAXIAS DO SUL – RS
E-MAIL: samae@samaecaxias.com.br

CONTRATADA
SANTINI E ROCHA ARQUITETOS SOCIEDADE SIMPLES LTDA
RUA MOSTARDEIRO, 992 - CONJ. 03 - PORTO ALEGRE/RS - BAIRRO INDEPENDÊNCIA - CEP 90430-000
FONE 051 3332-6911
CNPJ: 90.157.553/0001-45

ESPECIALIDADE: ESTRUTURAL
ETAPA: EXECUTIVO

RESPONSÁVEL TÉCNICO: AUGUSTO CORDOVA GUIMARAES:02444664004 — Assinado de forma digital por AUGUSTO CORDOVA GUIMARAES:02444664004 Dados: 2024.09.10 10:08:32 -03'00'
ENG. CIVIL AUGUSTO CÓRDOVA - CREA-RS 201061

EQUIPE
ENG. CIVIL AUGUSTO CÓRDOVA
ENG. CIVIL GUSTAVO MANICA
ENG. CIVIL REGIS FLORES

OBRA:
SEDE ADMINISTRATIVA SAMAE
EDIFÍCIO ADMINISTRATIVO

ENDEREÇO:
Rua Visconde de Pelotas, 2256, Madureira - Caxias do Sul/RS

AUTOR DO ANTEPROJETO DE ARQUITETURA:
ARQ. SAMUEL DAL PIAZ JACONI CAU- A101836-1 / ENG. LEONERIO DE CASTILHOS CREA 112007-D

ESCALA:

CONTEÚDO:
DET. VIGAS - SUBSOLO 1 - V15 a V25
DE-2023-025-EST-PB-032-Rev01

PRANCHA: **PB-32**

01/06/2021

DE-2023-