

[illegible][illegible]

Technical drawing of a mechanical assembly, likely a bracket or support structure, showing dimensions and material specifications.

Dimensions and Specifications:

- Top Section:**
 - 4 N2 ϕ 12,5 C=240
 - 135
 - 2 N1 ϕ 6,3 C=440
 - 4 N3 ϕ 12,5 C=180
- Bottom Section:**
 - 55 ϕ 6,3 C=112
 - NS (600)
 - (ca. 140)
 - 2x3 N6 ϕ 5 C=713
 - 713
 - 6 N4 ϕ 12,5 C=775
 - (3 ϕ 20 (AM))
- Material and Surface Treatment:**
 - P2,4
 - P20
 - P23
 - P19
 - 55 N5 ϕ 6,3 C=131
- Section A:**
 - Section A-A is indicated by arrows pointing to the top and bottom sections.
 - Section A-A shows a cross-section of a rectangular bar with dimensions 44 (height) and 9 (width).

Corte A

55 N5 ø 6.3 C=131

[illegible]

Technical drawing of a roof truss (Corte A) showing various structural members and their specifications:

- Members and Specifications:**
 - 2 N2 $\varnothing$ 12.5 C=200
 - 2 N1 $\varnothing$ 6.3 C=280
 - 2 N3 $\varnothing$ 12.5 C=200
 - 25 N6 $\varnothing$ 5 C=130
 - 2x3 N7 $\varnothing$ 5 C=540
 - 1 N5 $\varnothing$ 12.5 C=365
 - 2 N4 $\varnothing$ 12.5 C=580
 - 25 N6 (497) $\varnothing$ 5 C=20
- Dimensions and Angles:**
 - Angles: 30°, 75°, 150°
 - Lengths: 170, 170, 150, 65, 540
- Labels and Notes:**
 - Labels: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UU, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

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AQO	POS	BIT	QUANT	COMPRIMENT		
				UNIT	TOTAL	
			mm	cm	cm	
VR1=VR7=VR8=VR12=VR13						
			(X5)	10	440	4400
50A	2	6,3		20	240	4800
50A	3	10		10	180	1800
50A	4	12,5		20	760	15300
60A	5	5	165	130	21450	
60A	6	5	30	716	21480	
VR2=VR9						
			(X2)			
50A	1	6,3	4	320	1280	
50A	2	10	4	200	800	
50A	3	10	4	200	800	
50A	4	12,5	5	625	2500	
60A	5	5	54	130	7020	
60A	6	5	5	12	595	7140
VR3=VR5=VR10=VR11						
			(X4)			
50A	1	6,3	8	440	3520	
50A	2	12,5	16	240	3840	
50A	3	12,5	15	180	2880	
50A	4	12,5	24	775	18600	
50A	5	6,3	220	131	28820	
60A	6	5	5	24	713	17112
VR4=VR6						
			(X2)			
50A	1	6,3	4	320	1280	
50A	2	12,5	5	625	800	
50A	3	12,5	4	210	840	
50A	4	12,5	4	625	2500	
50A	5	12,5	5	380	760	
60A	6	5	54	130	7020	
60A	7	5	5	12	587	7044
VR14						
50A	1	6,3	2	280	560	
50A	2	10	2	200	400	
50A	3	10	2	320	640	
50A	4	12,5	5	695	2095	
60A	5	5	32	130	4160	
60A	6	5	6	665	3990	
VR15=VR17=VR18						
			(X3)			
50A	1	6,3	6	280	1680	
50A	2	12,5	6	200	1200	
50A	3	12,5	6	200	1200	
50A	4	12,5	6	380	3480	
50A	5	12,5	3	565	1095	
60A	6	5	75	130	9750	
60A	7	5	5	18	540	9720
VR16						
50A	1	6,3	2	420	840	
50A	2	10	2	220	880	
50A	3	12,5	4	220	880	
50A	4	12,5	5	765	2295	
50A	5	12,5	3	500	1500	
50A	6	6,3	66	131	8646	
60A	7	5	6	713	4278	
VR19						
50A	1	6,3	2	300	600	
50A	2	10	4	220	880	
50A	3	12,5	4	345	1700	
50A	4	12,5	4	751	3004	
50A	5	6,3	44	131	5764	
60A	6	5	6	600	3600	
60A	7	5	6	160	960	
VR20						
50A	1	10	2	790	1580	
50A	2	10	2	737	1474	
50A	3	6,3	52	122	6344	
60A	4	5	6	708	4236	
VR21						
50A	1	6,3	2	290	580	
50A	2	10	2	200	400	
50A	3	10	2	200	400	
50A	4	12,5	2	575	1150	
50A	5	5	25	130	3250	
60A	6	5	5	545	3270	

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
60A	5	1355	209
50A	6,3	643	158
50A	10	149	92
50A	12,5	676	651
Peso Total	60A =		209 kgf
Peso Total	50A =		900 kgf

04	REVISÃO DA FACHADA	DL	14/08/2024
03	REVISÃO VIGAS V47, V48 E V51 DO CINTAMENTO	DL	13/12/2023
02	REVISÃO GERAL	DL	18/09/2023
01	CORREÇÃO DAS VIGAS DO CINTAMENTO	DL	11/07/2023

REVISÃO	ASSUNTO	DESENHO	DATA
PAGO		APROVO	
CONSELHO PROFISSIONAL		PROPRIETÁRIO _____ PROJETO _____ PROJETO _____ CONSTRUÇÃO _____	

CONSELHO PROFISSIONAL

SOP-CE
SUPERINTENDÊNCIA
DE OBRAS PÚBLICAS



SECRETARIA DAS CIDADES
SOP - SUPERINTENDÊNCIA DE OBRAS PÚBLICAS

CENTRO DE EDUCAÇÃO INFANTIL		PADRÃO 6 SALAS	
PROJETO:			
INTERESSADO:	ÁREA TÉCNICA:		
SEDUC	ESTRUTURA DE CONCRETO ARMADO		
ENDEREÇO:	ETAPA:		
-	EXECUTIVO		
MUNICÍPIO:	CONTEÚDO:		ESCALA:
CE	ARM. VIGAS DA COBERTA (VR1, VR2, VR3, VR4, VR5, VR6, VR7, VR8, VR9, VR10, VR11, VR12, VR13, VR14, VR15, VR16, VR17, VR18 VR19, VR20, VR21)		1/25
AUTOR:	CREA:		
TELEFONE:	EMAIL:		
AUTOR:	CREA:		
TELEFONE:	EMAIL:		
RESERVA DE PROPRIEDADE INTELECTUAL			
A PROPRIEDADE INTELECTUAL DO PRESENTE PROJETO É RESERVADA AO SEUS AUTORES, DE ACORDO COM A LEGISLAÇÃO PERTINENTE. O USO DESTES PROJETOS OU DE QUALQUER DE SEUS			
DESENHO: DL		PRANCHAS:	
DATA: 14/08/2024		15	
REVISÃO: 04.			

A PROPRIEDADE INTELECTUAL DO PRESENTE PROJETO É RESERVADA AO SEUS AUTORES, DE ACORDO COM A LEGISLAÇÃO PERTINENTE. O USO DESTES PROJETO OU DE QUALQUER DE SEUS ELEMENTOS, QUE NÃO FORMEM OS DETERMINADOS, SERÃO CONSIDERADOS COMO APROPRIAÇÃO ILÍCITA E SERÃO APLICADAS AS LEIS QUE DEFENDEM DITOS DIREITOS A TODOS OS EFEITOS

DATA: 14/08/2024
 REVISÃO: 04
 ARQUIVO: EST-COM-BEI-PADRAO 2023 6 SALAS R4.dwg

15 18

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Fck:	≥ 30MPa
Eci:	≥ 30,7GPa
Cobrimentos:	
LAJES	- 2,5cm
VIGAS	- 3,0cm
PILARES	- 3,0cm
FUNDAÇÕES	- 4,0cm
Faixa de Agressividade Ambiental:	MODERADA