



### Relação do aço

FUNDAÇ:	S1	S2
V1	3x310	S11
V3	V4	V6
V5	V7	V8
V9	V10	V11
V12	V13	V14
V15	V16	V17
2xP1	2xP2	2xP3
2xP4	2xP5	2xP6
V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15

CAO	N	Q	UNIT	C.TOTAL
CAO1	1	5,0	722	60
CAO2	2	5,0	770	76
CAO3	3	6,0	4	873
CAO4	4	6,0	4	203
CAO5	5	6,0	2	414
CAO6	6	6,0	2	463
CAO7	7	6,0	2	208
CAO8	8	6,0	2	222
CAO9	9	6,0	4	773
CAO10	10	6,0	2	363
CAO11	11	6,0	1	95
CAO12	12	6,0	1	160
CAO13	13	6,0	2	381
CAO14	14	6,0	2	388
CAO15	15	6,0	4	388
CAO16	16	6,0	2	309
CAO17	17	6,0	2	666
CAO18	18	6,0	2	210
CAO19	19	6,0	2	764
CAO20	20	6,0	2	345
CAO21	21	6,0	2	481
CAO22	22	6,0	2	368
CAO23	23	6,0	2	407
CAO24	24	6,0	1	395
CAO25	25	6,0	1	375
CAO26	26	6,0	2	168
CAO27	27	6,0	2	419
CAO28	28	10,0	18	1300
CAO29	29	10,0	76	1448
CAO30	30	10,0	30	137
CAO31	31	10,0	24	152
CAO32	32	10,0	9	137
CAO33	33	10,0	7	152
CAO34	34	10,0	2	1064
CAO35	35	10,0	2	853
CAO36	36	10,0	2	173
CAO37	37	10,0	4	544
CAO38	38	10,0	4	458
CAO39	40	10,0	4	203
CAO40	41	10,0	4	202
CAO41	42	10,0	4	753
CAO42	43	10,0	2	348
CAO43	44	10,0	6	183
CAO44	45	10,0	2	309
CAO45	46	10,0	2	513
CAO46	47	10,0	2	373
CAO47	48	10,0	2	354
CAO48	49	10,0	2	668
CAO49	50	10,0	2	302
CAO50	51	10,0	16	363
CAO51	52	10,0	2	862
CAO52	53	10,0	4	199
CAO53	54	10,0	2	759
CAO54	55	10,0	2	338
CAO55	56	10,0	2	193
CAO56	57	10,0	2	338
CAO57	58	10,0	2	192
CAO58	59	10,0	4	189
CAO59	60	10,0	4	189
CAO60	61	10,0	1	249
CAO61	62	10,0	2	392
CAO62	63	10,0	96	136
CAO63	64	10,0	72	151
CAO64	65	10,0	18	136
CAO65	66	10,0	18	146

### Resumo do aço

CAO	DIAM	C.TOTAL	PESO = 10 %
CAO1	8,0	245,4	106,5
CAO2	10,0	1130,5	765,1
CAO3	10,0	1078,2	765,1
CAO4	8,0	983,8	182,5
CAO5	8,0	182,5	

Vol. de concreto total (C-20) = 8,18 m³  
Vol. de concreto total (C-30) = 5,33 m³  
Área de forma total = 187,38 m²

## PROJETO ESTRUTURAL

TÍTULO: CONTRUÇÃO DE UM PRONTO ATENDIMENTO

RESPONSÁVEL TÉCNICO: GERRARD TAYON FERREIRA LOPO CREA-MG-269963

CLIENTE: PREFEITURA MUNICIPAL DE SÃO JOÃO DAS MISSÕES CNPJ: 01.612.486/0001-81

ASSUNTO: DETALHES VIGAS BALDRAME / SAPADAS / PILARES

LOCAL: São João Das Missões - MG DATA: 02/02/2024 ESCALA: INDICADAS

01/02