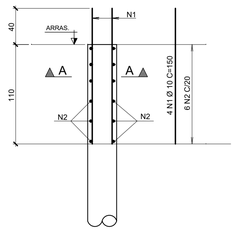
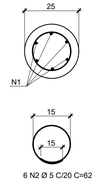
ESTACAS Ø 25 280X

ESC.1:30



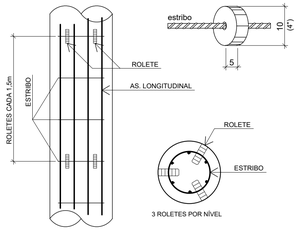
CORTE A-A

ESC.1:12,5



6 N2 Ø 5 C/20 C=62

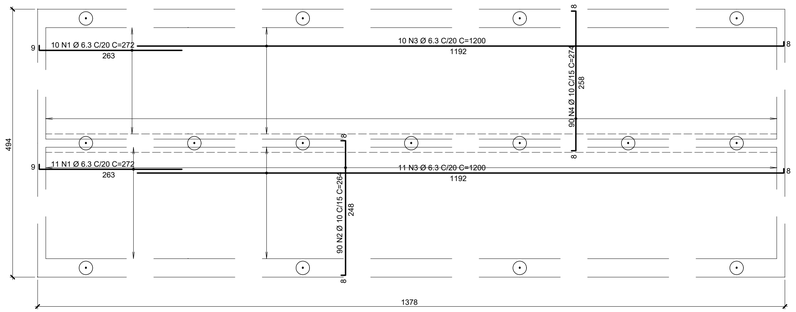
DET. ESPAÇADORES ESTACAS



3 ROLETES POR NÍVEL

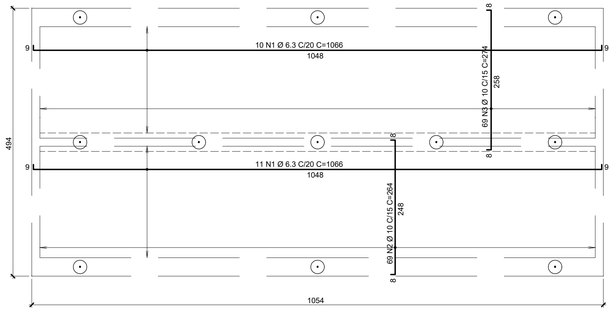
LAJE DA FUNDACAO - "MODULO 1" 15X

ESC.1:50



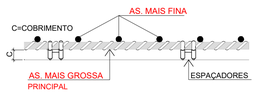
LAJE DA FUNDACAO - "MODULO 2" 5X

ESC.1:50



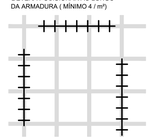
COBRIMENTO

IMPORTANTES PARA DESENPENHO EM SERVIÇO E DURABILIDADE DAS ESTRUTURAS EM CONCRETO ARMADO DE ACORDO COM NBR 15575 (NORMA DE DESEMPENHO)



"CENTOPÉIA"

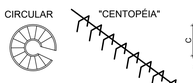
DEVERÁ POSICIONAR AO LONGO DA ARMADURA (MÍNIMO 4 / m²)



TIPOS DE ESPAÇADORES

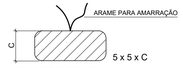
PLÁSTICOS

CIRCULAR

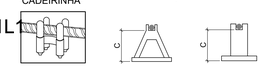


"CENTOPÉIA"

CONCRETO PARA ARMADURAS "PESADAS"



"CADEIRINHA"



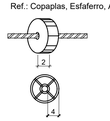
A1L1

ESPAÇADORES VIGAS BALDRAMES

IMPORTANTES PARA DESENPENHO EM SERVIÇO E DURABILIDADE DAS ESTRUTURAS EM CONCRETO ARMADO DE ACORDO COM NBR 15575 (NORMA DE DESEMPENHO)

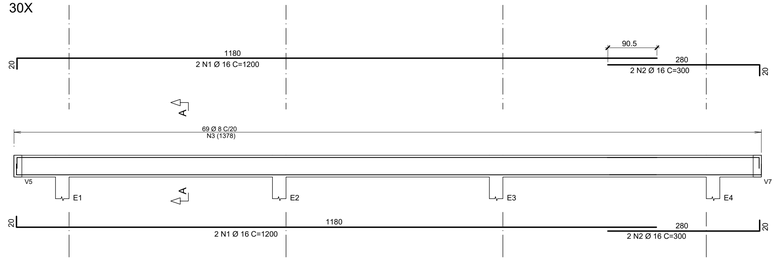
ROLETE

Ref.: Copaplas, Esfaferro, Atex ou similares

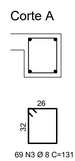


V1=V3 34X40

30X



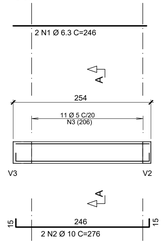
Corte A



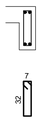
69 N3 Ø 8 C=131

V4=V6 15X40

30X



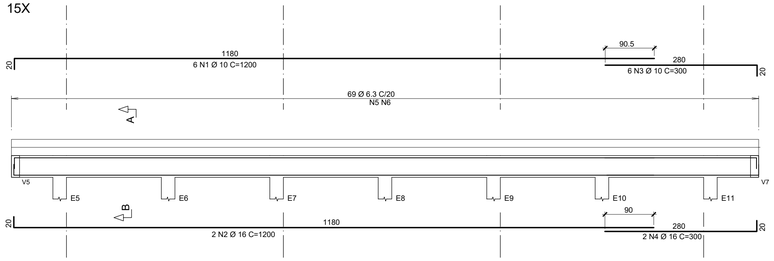
Corte A



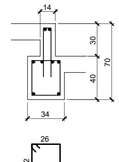
11 N3 Ø 5 C=91

V2 14X30 / 34X40

15X



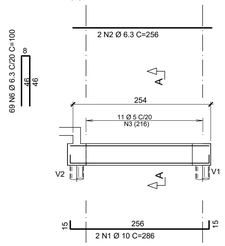
Corte A



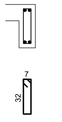
69 N5 Ø 6.3 C=130

V5=V7 15X40

30X



Corte A



11 N3 Ø 5 C=91

V101=V103 34X40

10X

Corte A

53 N2 Ø 8 C=131

V104=V106 15X40

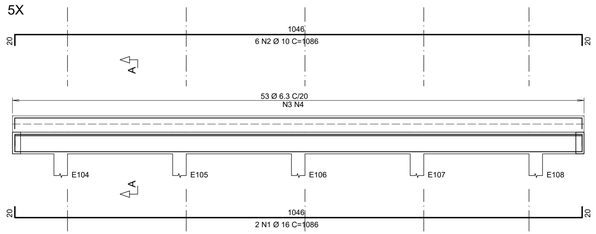
10X

Corte A

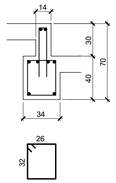
11 N3 Ø 5 C=91

V102 14X30 / 34X40

5X



Corte A

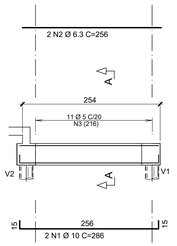


53 N3 Ø 6.3 C=130

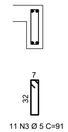
53 N4 Ø 6.3 C/20 C=100

V105=V107 15X40

10X



Corte A



11 N3 Ø 5 C=91

TABELA DE FERROS

AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
ESTACAS Ø 25 (X280)					
50A	1	10	1120	150	168000
60B	2	5	1680	62	104160
LAJE DA FUNDACAO - "MODULO 1" (X15)					
50A	1	6.3	315	272	85680
50A	2	10	1350	264	356400
50A	3	6.3	315	1200	378000
50A	4	10	1350	274	369900
LAJE DA FUNDACAO - "MODULO 2" (X5)					
50A	1	6.3	105	1066	111930
50A	2	10	345	264	91080
50A	3	10	345	274	94530
V1=V3 (X30)					
50A	1	16	120	1200	144000
50A	2	16	120	300	36000
50A	3	8	2070	131	271170
V2 (X15)					
50A	1	10	90	1200	108000
50A	2	16	30	1200	36000
50A	3	10	90	300	27000
50A	4	16	30	300	9000
50A	5	6.3	1035	130	134550
50A	6	6.3	1035	100	103500
V4=V6 (X30)					
50A	1	6.3	60	246	14760
50A	2	10	60	276	16560
60B	3	5	330	91	30030
V5=V7 (X30)					
50A	1	10	60	286	17160
50A	2	6.3	60	256	15360
60B	3	5	330	91	30030
V101=V103 (X10)					
50A	1	16	40	1085	43400
50A	2	8	530	131	69430
V102 (X5)					
50A	1	16	10	1086	10860
50A	2	10	30	1086	32580
50A	3	6.3	265	130	34450
50A	4	6.3	265	100	26500
V104=V106 (X10)					
50A	1	6.3	20	246	4920
50A	2	10	20	276	5520
60B	3	5	110	91	10010
V105=V107 (X10)					
50A	1	10	20	286	5720
50A	2	6.3	20	256	5120
60B	3	5	110	91	10010

RESUMO AÇO CA 50-60

AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	1842	284
50A	6.3	9148	2241
50A	8	3406	1345
50A	10	12925	7974
50A	16	2793	4407
Peso Total	60B =		284 kgf
Peso Total	50A =		15968 kgf

PREFEITURA MUNICIPAL DE SÃO JOSÉ DO RIO PRETO

PREFEITO FÁBIO ROGERIO CANDIDO

SECRETARIA DE ADMINISTRAÇÃO

TÍTULO:
CONSTRUÇÃO DE DE 1930 GAVETAS
QUADRA 4
CEMITÉRIO SÃO JOÃO BATISTA

LOCAL:
CEMITÉRIO SÃO JOÃO BATISTA - JD. HERCULANO, SÃO JOSÉ DO RIO PRETO - SP

ESCALA: INDICADA | DESENHO: STENGpro | DATA: DEZ/ 2025 | PROJETO: EST.

ASSUNTO:
ESTRUTURA - ARMADURAS DA FUNDAÇÃO

SECRETÁRIO
FREDERICO DUARTE

DESENVOLVIMENTO DO PROJETO:

STENG PRO projetos estruturais
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Centro | Edifício Metropolitan Center
Fone: +55 (17) 3233 9920
E-mail: steng@steng.com.br
Site: www.steng.com.br

FOLHA Nº.:
13/19