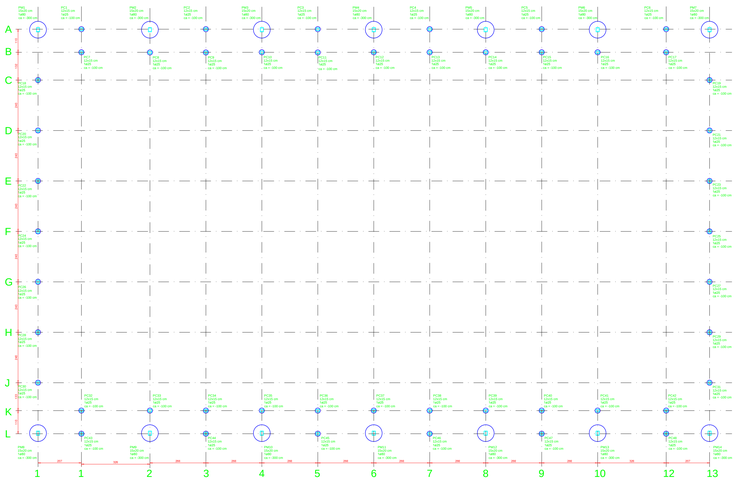
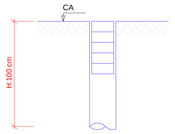


PLANTA DE LOCAÇÃO
Escala 1:100

Ø25

ESC. 1/20



4 N2 ø8.0 C=50
50

CORTE
Esc.1:20



5 N1 ø5.0 c/10 C=48

Relação do aço

48xØ25

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	240	48	11520
CA50	2	8.0	192	50	9600

Resumo do aço

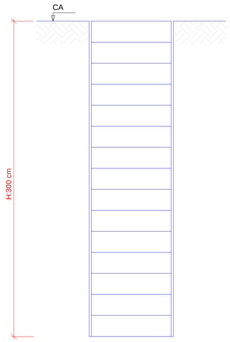
AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	96.00	37.92
CA60	5.0	115.20	17.74
PESO TOTAL			
CA50	37.92		
CA60	17.74		

Vol. de concreto total (C20) = 2.36 m³

Estacas		
Simbologia	de (cm)	Quantidade
◯	25	48

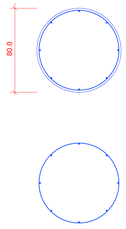
Ø80

ESC. 1/20



8 N2 ø12.5 C=300
300

CORTE
Esc.1:20



15 N1 ø6.3 c/20 C=249

Relação do aço

14xØ80

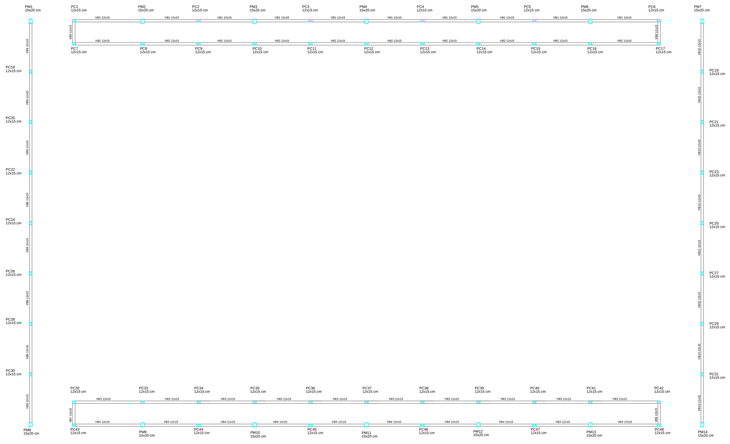
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	210	249	52290
	2	12.5	112	300	33600

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	12.5	336.00	323.57
	6.3	522.90	128.11
PESO TOTAL			
CA50	451.68		

Vol. de concreto total (C20) = 21.10 m³

Estacas		
Simbologia	de (cm)	Quantidade
◯	80	14



FORMA DO PAVIMENTO TÉRREO
Escala 1:100

Características dos materiais

Elemento	fck (kgf/cm²)	Ecs (kgf/cm²)	fct (kgf/cm²)	Abatimento (cm)
Vigas	250	238000	26	5.00
Pilares	250	238000	26	5.00

Dimensão do agregado = 17 mm

Legenda dos Pilares
Pilar que morre
Pilar que passa
Pilar que nasce
Pilar com mudança de seção

APROVAÇÕES:

Estrutural

OBRA: QUADRA POLIESPORTIVA

ENDEREÇO: APM 02, PRAÇA DONA NINA, SETOR SUL, SILVÂNIA - GO

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE SILVÂNIA - GOIÁS

AUTOR DO PROJETO: VINICIUS ALVES DE SOUSA:58967982100
Assinado de forma digital por VINICIUS ALVES DE SOUSA:58967982100
Dados: 2026.09.30 10:52:09 -03'00'
ENG. CIVIL VINÍCIUS ALVES DE SOUSA
CREA 7891/D-GO

DATA: SET/2026
ESC.: INDICADA

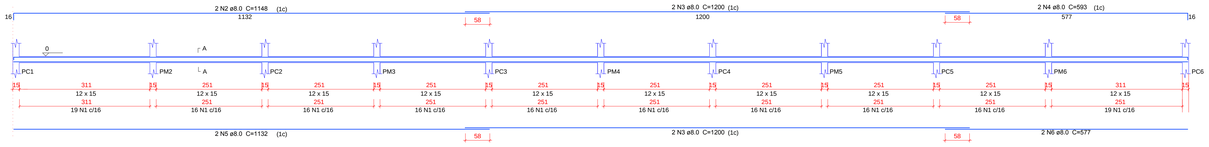
CONTEÚDO:
PROJETO ESTRUTURAL QUADRA POLIESPORTIVA

PRANCHA
01
04

ASSINADO DIGITALMENTE POR VERONICA MARTINS DOS SANTOS EM 12/12/2025 AS 14:35:14.

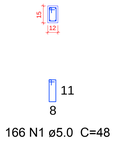
VB1

ESC 1:50



SEÇÃO A-A

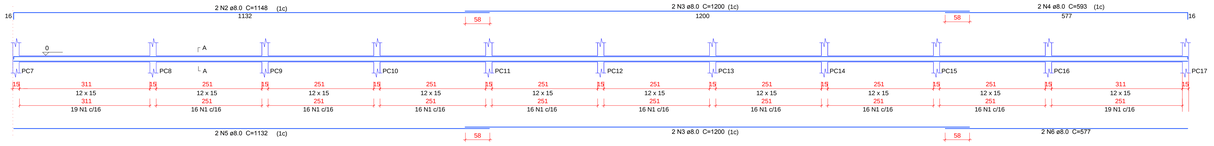
ESC 1:25



166 N1 ø5.0 C=48

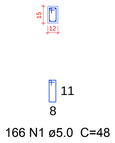
VB2

ESC 1:50



SEÇÃO A-A

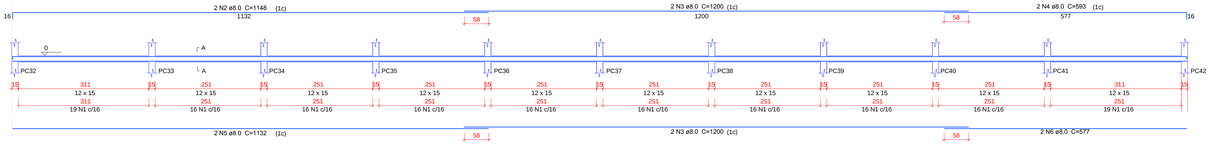
ESC 1:25



166 N1 ø5.0 C=48

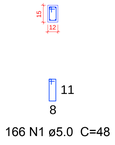
VB3

ESC 1:50



SEÇÃO A-A

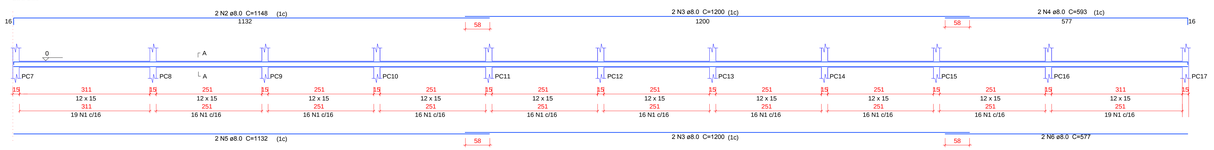
ESC 1:25



166 N1 ø5.0 C=48

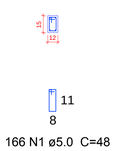
VB4

ESC 1:50



SEÇÃO A-A

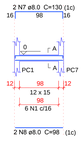
ESC 1:25



166 N1 ø5.0 C=48

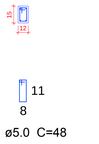
VB5

ESC 1:50



SEÇÃO A-A

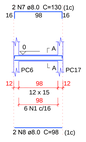
ESC 1:25



6 N1 ø5.0 C=48

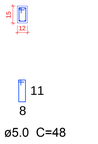
VB6

ESC 1:50



SEÇÃO A-A

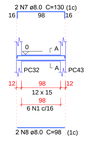
ESC 1:25



6 N1 ø5.0 C=48

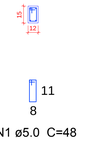
VB7

ESC 1:50



SEÇÃO A-A

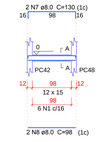
ESC 1:25



6 N1 ø5.0 C=48

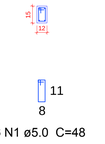
VB8

ESC 1:50



SEÇÃO A-A

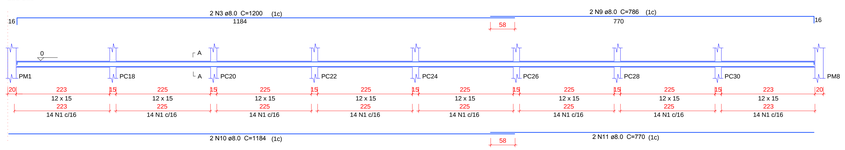
ESC 1:25



6 N1 ø5.0 C=48

VB9

ESC 1:50



SEÇÃO A-A

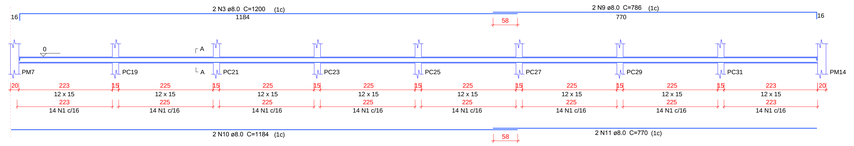
ESC 1:25



112 N1 ø5.0 C=48

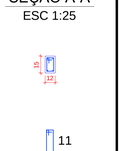
VB10

ESC 1:50



SEÇÃO A-A

ESC 1:25



112 N1 ø5.0 C=48

Relação do aço

VB1 VB2 VB3 VB4 VB5 VB6 VB7 VB8 VB9 VB10

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	912	48	43776
CA50	2	8.0	8	1148	9184
	3	8.0	20	1200	24000
	4	8.0	8	593	4744
	5	8.0	8	1132	9056
	6	8.0	8	577	4616
	7	8.0	8	130	1040
	8	8.0	8	98	784
	9	8.0	4	786	3144
	10	8.0	4	1184	4736
	11	8.0	4	770	3080

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	643.84	254.32
CA60	5.0	437.76	67.42

PESO TOTAL	
CA50	254.32
CA60	67.42

Vol. de concreto total (C20) = 2.79 m³
Área de forma total = 46,43 m²

APROVAÇÕES:

Estrutural

OBRA: QUADRA POLIESPORTIVA

ENDEREÇO: APM 02, PRAÇA DONA NINA, SETOR SUL, SILVÂNIA - GO

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE SILVÂNIA - GOIÁS

AUTOR DO PROJETO: VINICIUS ALVES DE SOUSA:58967982100 Assinado de forma digital por VINICIUS ALVES DE SOUSA:58967982100 Dados: 2026.09.30 10:51:06 -03'00'
ENG. CIVIL VINÍCIUS ALVES DE SOUSA
CREA 7891/D-GO

DATA: SET/2026
ESC.: INDICADA

CONTEÚDO:
PROJETO ESTRUTURAL QUADRA POLIESPORTIVA

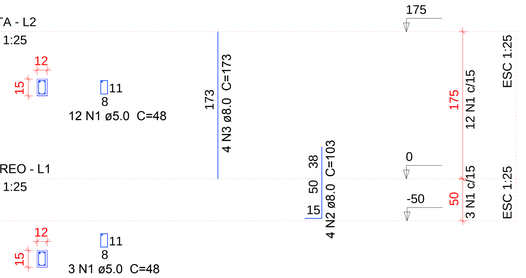
PRANCHA 02 / 04



FORMA DO PAVIMENTO CINTA
Escala 1:100

PC1=PC2=PC3=PC4=PC5=PC6
PC43=PC44=PC45=PC46=PC47=PC48

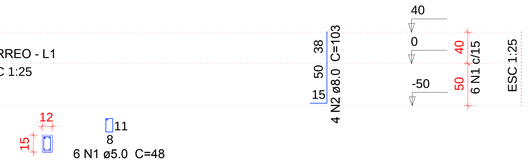
CINTA - L2
ESC 1:25



TÉRREO - L1
ESC 1:25

PC7=PC8=PC9=PC10=PC11=PC12=PC13=PC14=PC15=PC16
PC17=PC32=PC33=PC34=PC35=PC36=PC37=PC38=PC39=PC40
PC41=PC42

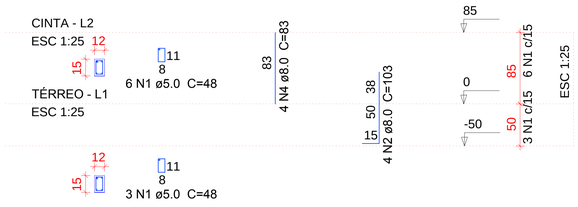
TÉRREO - L1
ESC 1:25



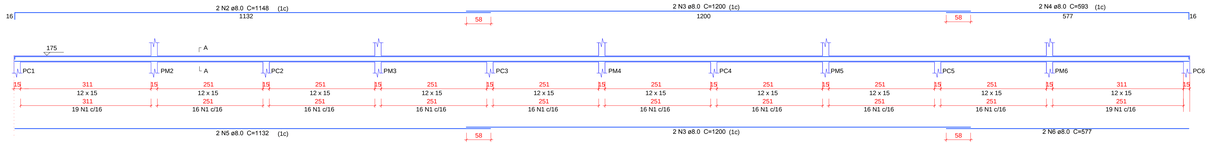
PC18=PC19=PC20=PC21=PC22=PC23=PC24
PC25=PC26=PC27=PC28=PC29=PC30=PC31

CINTA - L2
ESC 1:25

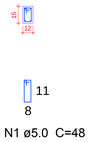
TÉRREO - L1
ESC 1:25



VC1
ESC 1:50

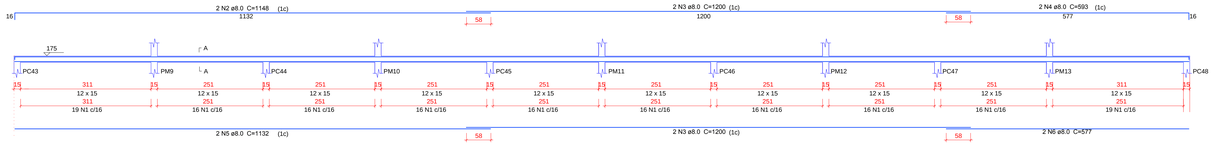


SEÇÃO A-A
ESC 1:25

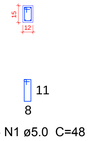


166 N1 ø5.0 C=48

VC2
ESC 1:50

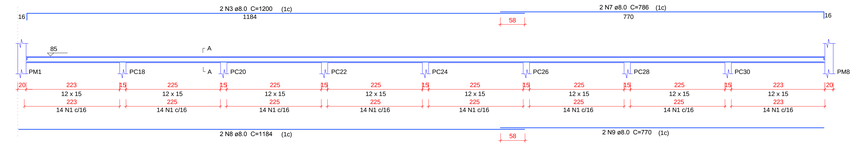


SEÇÃO A-A
ESC 1:25

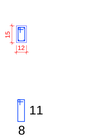


166 N1 ø5.0 C=48

VC3
ESC 1:50



SEÇÃO A-A
ESC 1:25



112 N1 ø5.0 C=48

Relação do aço

VC1 VC2 VC3 VC4

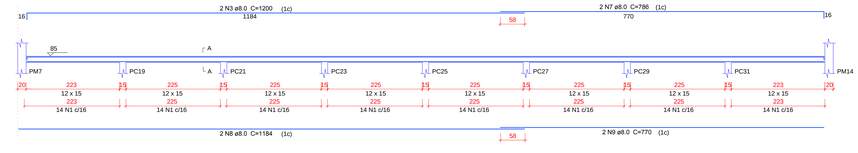
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	556	48	26688
CA50	2	8.0	4	1148	4592
	3	8.0	12	1200	14400
	4	8.0	4	593	2372
	5	8.0	4	1132	4528
	6	8.0	4	577	2308
	7	8.0	4	786	3144
	8	8.0	4	1184	4736
	9	8.0	4	770	3080

Resumo do aço

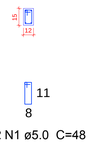
AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	391.60	154.68
CA60	5.0	266.68	41.10
PESO TOTAL			
CA50	154.68		
CA60	41.10		

Vol. de concreto total (C20) = 1.69 m³
Área de forma total = 28.18 m²

VC4
ESC 1:50



SEÇÃO A-A
ESC 1:25



112 N1 ø5.0 C=48

Relação do aço

12xPC1 22xPC7 14xPC18

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	438	48	21024
CA50	2	8.0	192	103	19776
	3	8.0	48	173	8304
	4	8.0	56	83	4648

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	327.28	129.28
CA60	5.0	32.38	32.38
PESO TOTAL			
CA50	129.28		
CA60	32.38		

Vol. de concreto total (C-25) = 0.75 m³
Área de forma total = 12.51 m²

APROVAÇÕES:

Estrutural

OBRA: QUADRA POLIESPORTIVA

ENDEREÇO: APM 02, PRAÇA DONA NINA, SETOR SUL, SILVÂNIA - GO

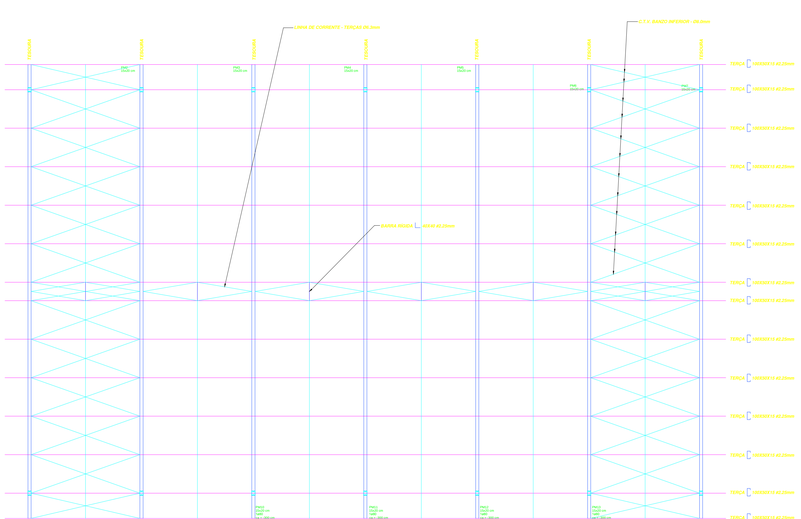
PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE SILVÂNIA - GOIÁS

AUTOR DO PROJETO: VINICIUS ALVES DE SOUSA:58967982100
Assinado de forma digital por VINICIUS ALVES DE SOUSA:58967982100 Dados: 2026.09.30 10:50:01 -03'00'
ENG. CIVIL VINÍCIUS ALVES DE SOUSA
CREA 7891/D-GO

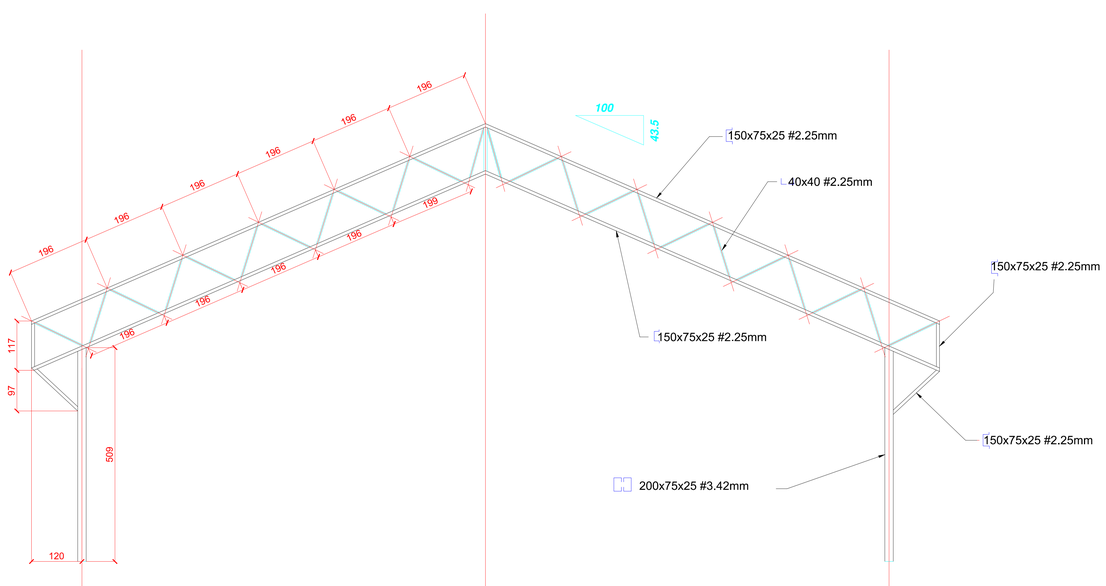
DATA: SET/2026
ESC.: INDICADA

CONTEÚDO:
PROJETO ESTRUTURAL QUADRA POLIESPORTIVA

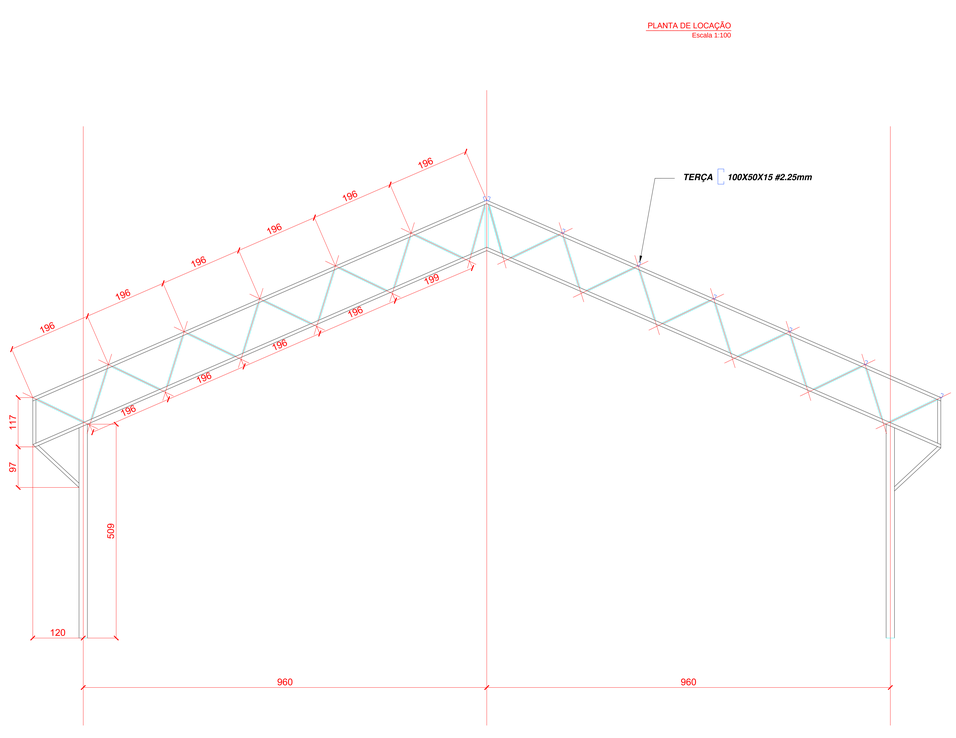
PRANCHA
03
04

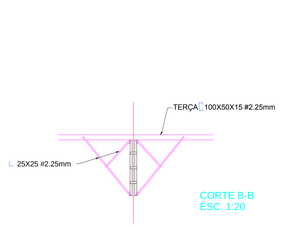


PLANTA DE LOCAÇÃO
Escala 1:100

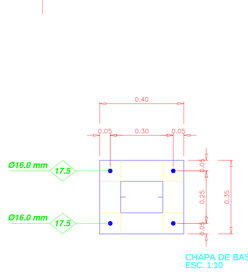


TESOURA
ESC. 1/50





CORTE B-B
ESC. 1:20



CHAPA DE BASE (x14)
ESC. 1:10

ESPAÇADORES
ESC. 1:20

CHUMBADORES
Ø 16 mm (X56)

CORTE A-A
ESC. 1/50



CHUMBADOR
Sem esc.

BASE DO PILAR
SEM ESCALA

LISTA DE MATERIAIS

ITEM	PERFIL	AÇO	UN.	QUANT.	PESO TOTAL
1	150x75x25 # 2.25 mm	SAC-41	m	459,20	2697,71
2	200x75x25 #3.42 mm	SAC-41	m	71,22	1427,25
3	100x50x15 #2.25 mm	SAC-41	m	480,20	1858,36
4	25x25 #2.25 mm	SAC-41	m	544,00	440,61
5	40x40 #2.25 mm	SAC-41	m	308,50	413,35
6	150x100 #3.42 mm	SAC-41	un	112,00	22,58
7	Ø=6.3 mm	ASTM A-36	m	256,00	63,54
8	Ø=8.0 mm	ASTM A-36	m	297,50	116,87
9	CHUMBADOR Ø=16.0 mm	ASTM A-36	m	39,20	61,51
10	CH. 400x350 #12.5 mm	SAC-41	m2	1,96	196,71
				TOTAL	7298,49 Kg

SAC-41 Fyk =2500 Kg/cm2
ASTM A-36 Fyk =2500 Kg/cm2

APROVAÇÕES:

Metálica

OBRA: QUADRA POLIESPORTIVA

ENDEREÇO: APM 02, PRAÇA DONA NINA, SETOR SUL, SILVÂNIA - GO

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE SILVÂNIA - GOIÁS

AUTOR DO PROJETO: VINICIUS ALVES DE SOUSA:58967982100
Assinado de forma digital por VINICIUS ALVES DE SOUSA:58967982100 Dados: 2026.09.30 10:48:59 -03'00'
ENG. CIVIL VINÍCIUS ALVES DE SOUSA
CREA 7891/D-GO

DATA: SET/2026
ESC.: INDICADA

CONTEÚDO:
PROJETO ESTRUTURA METÁLICA
QUADRA POLIESPORTIVA

PRANCHA
04
04

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