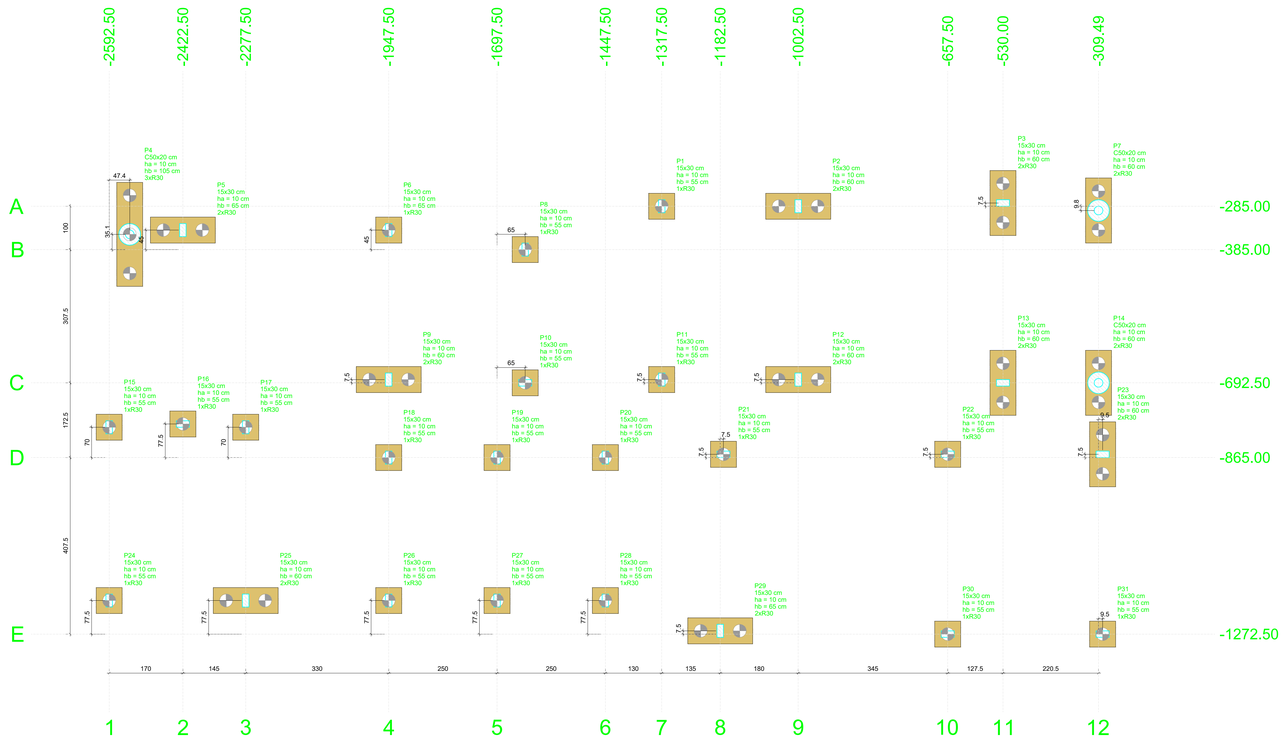


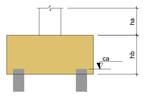
PLANTA DE LOCAÇÃO

Escala 1:50

Nome	Seção (cm)	X (cm)	Y (cm)	Carga Máx (tf)	Carga Mín. (tf)	Pilar Mx Máximo (kgf.m) Positivo	Pilar Mx Máximo (kgf.m) Negativo	Pilar My Máximo (kgf.m) Positivo	Pilar My Máximo (kgf.m) Negativo	Fx Máximo (tf) Positivo	Fx Máximo (tf) Negativo	Fy Máximo (tf) Positivo	Fy Máximo (tf) Negativo	Fundação Lado B (cm)	Fundação Lado H (cm)	Fundação h0 / ha (cm)	Fundação h1 / hb (cm)	ne	Bloco Estaca	Bloco ca (cm)	Bloco Base tub. (cm)
P1	15x30	-1317.50	-285.00	6.0	5.5	700	0	200	0	0.8	0.0	1.4	0.0	60	60	10	55	1	R30	-50	-
P2	15x30	-1002.50	-285.00	10.5	10.2	500	-200	300	0	0.0	-2.4	0.6	0.0	150	60	10	60	2	R30	-55	-
P3	15x30	-530.00	-277.50	9.6	9.2	300	0	0	-400	2.7	0.0	2.4	0.0	150	60	10	60	2	R30	-55	-
P4	C50x20	-2545.13	-349.87	5.2	4.9	3700	-1900	800	-800	1.4	0.0	0.7	-1.5	240	60	10	105	3	R30	-100	-
P5	15x30	-2422.50	-340.00	9.3	8.8	600	-200	0	-200	0.0	-2.2	1.5	0.0	150	60	10	65	2	R30	-60	-
P6	15x30	-1947.50	-340.00	7.8	7.3	700	0	0	-400	1.6	0.0	1.0	0.0	60	60	10	65	1	R30	-60	-
P7	C50x20	-309.49	-294.82	5.6	5.4	2400	-1900	500	-1100	0.0	-1.3	0.7	-1.1	150	60	10	60	2	R30	-55	-
P8	15x30	-1632.50	-385.00	7.1	6.8	200	-300	100	0	0.0	-0.5	0.1	-0.3	60	60	10	55	1	R30	-50	-
P9	15x30	-1947.50	-685.00	6.9	6.1	300	-200	200	0	0.0	-0.6	0.0	-2.3	150	60	10	60	2	R30	-55	-
P10	15x30	-1632.50	-692.50	6.5	6.3	100	0	200	0	0.7	0.0	0.4	-0.1	60	60	10	55	1	R30	-50	-
P11	15x30	-1317.50	-685.00	7.4	7.0	200	-400	100	0	1.1	0.0	0.0	-1.3	60	60	10	55	1	R30	-50	-
P12	15x30	-1002.50	-685.00	10.8	10.6	500	0	200	0	0.0	-2.7	0.0	-0.8	150	60	10	60	2	R30	-55	-
P13	15x30	-530.00	-692.50	11.3	11.2	0	-400	0	-500	2.9	0.0	0.0	-2.3	150	60	10	60	2	R30	-55	-
P14	C50x20	-309.49	-692.50	6.0	4.8	2000	-2300	700	-1300	0.0	-1.8	0.0	-1.5	150	60	10	60	2	R30	-55	-
P15	15x30	-2592.50	-795.00	8.8	8.1	900	0	100	0	0.0	-0.7	1.5	0.0	60	60	10	55	1	R30	-50	-
P16	15x30	-2422.50	-787.50	3.4	3.3	0	-200	100	-100	0.9	0.0	0.0	-1.3	60	60	10	55	1	R30	-50	-
P17	15x30	-2277.50	-795.00	11.1	10.5	1200	0	100	0	0.0	-0.5	1.9	0.0	60	60	10	55	1	R30	-50	-
P18	15x30	-1947.50	-865.00	8.9	8.2	600	0	100	0	0.0	-0.2	1.7	0.0	60	60	10	55	1	R30	-50	-
P19	15x30	-1697.50	-865.00	7.7	7.2	600	0	100	0	0.1	-0.2	1.0	0.0	60	60	10	55	1	R30	-50	-
P20	15x30	-1447.50	-865.00	5.1	4.7	800	0	100	0	0.5	0.0	0.4	-0.1	60	60	10	55	1	R30	-50	-
P21	15x30	-1175.00	-857.50	8.0	7.8	400	0	100	-300	0.0	-0.7	1.8	0.0	60	60	10	55	1	R30	-50	-
P22	15x30	-657.50	-857.50	8.4	8.0	100	0	0	-300	0.8	0.0	0.5	0.0	60	60	10	55	1	R30	-50	-
P23	15x30	-300.00	-857.50	7.4	6.3	100	-200	200	-100	0.0	-0.4	2.9	0.0	150	60	10	60	2	R30	-55	-
P24	15x30	-2592.50	-1195.00	6.1	5.2	0	-900	100	0	0.2	0.0	0.0	-1.5	60	60	10	55	1	R30	-50	-
P25	15x30	-2277.50	-1195.00	9.7	9.1	0	-800	100	0	0.0	-1.3	0.0	-1.9	150	60	10	60	2	R30	-55	-
P26	15x30	-1947.50	-1195.00	12.9	12.3	700	0	0	0	1.4	0.0	0.3	-0.2	60	60	10	55	1	R30	-50	-
P27	15x30	-1697.50	-1195.00	8.2	7.8	200	-600	0	-200	0.0	-0.9	0.0	-1.1	60	60	10	55	1	R30	-50	-
P28	15x30	-1447.50	-1195.00	10.0	9.5	800	0	0	-200	0.4	0.0	0.7	0.0	60	60	10	55	1	R30	-50	-
P29	15x30	-1182.50	-1265.00	10.6	10.4	400	-300	400	0	0.0	-1.6	0.0	-2.0	150	60	10	65	2	R30	-60	-
P30	15x30	-657.50	-1272.50	8.3	8.2	0	-200	0	-300	1.8	0.0	0.0	-0.5	60	60	10	55	1	R30	-50	-
P31	15x30	-300.00	-1272.50	5.7	5.4	0	-300	0	-300	0.1	-0.1	0.0	-1.6	60	60	10	55	1	R30	-50	-

Os esforços indicados nesta tabela são os valores máximos obtidos pela envoltória de todas as combinações definidas para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.

Estacas			
Simbologia	Nome	d (cm)	Quantidade
	R30	30.00	44

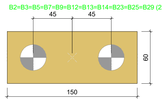


Locação no eixo X	
Coordenadas (cm)	Nome
-2592.50	P15, P24
-2545.13	P4
-2422.50	P5, P16
-2277.50	P17, P25
-1947.50	P6, P9, P18, P26
-1697.50	P19, P27
-1632.50	P8, P10
-1447.50	P20, P28
-1317.50	P1, P11
-1182.50	P29
-1175.00	P21
-1002.50	P2, P12
-657.50	P22, P30
-530.00	P3, P13
-309.49	P7, P14
-300.00	P23, P31

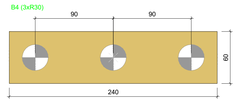
Locação no eixo Y	
Coordenadas (cm)	Nome
-277.50	P3
-285.00	P1, P2
-294.82	P7
-340.00	P5, P6
-349.87	P4
-385.00	P8
-685.00	P9, P11, P12
-692.50	P10, P13, P14
-787.50	P16
-795.00	P15, P17
-857.50	P21, P22, P23
-865.00	P18, P19, P20
-1195.00	P24, P25, P26, P27, P28
-1265.00	P29
-1272.50	P30, P31

B1=B6=B8=B10=B11=B15
B16=B17=B18=B19=B20
B21=B22=B24=B26=B27
B28=B30=B31 (1xR30)

B2=B3=B5=B7=B9=B12=B13=B14=B23=B25=B29 (2xR30)



B4 (3xR30)



LEGENDA DOS BLOCOS

Escala 1:25

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

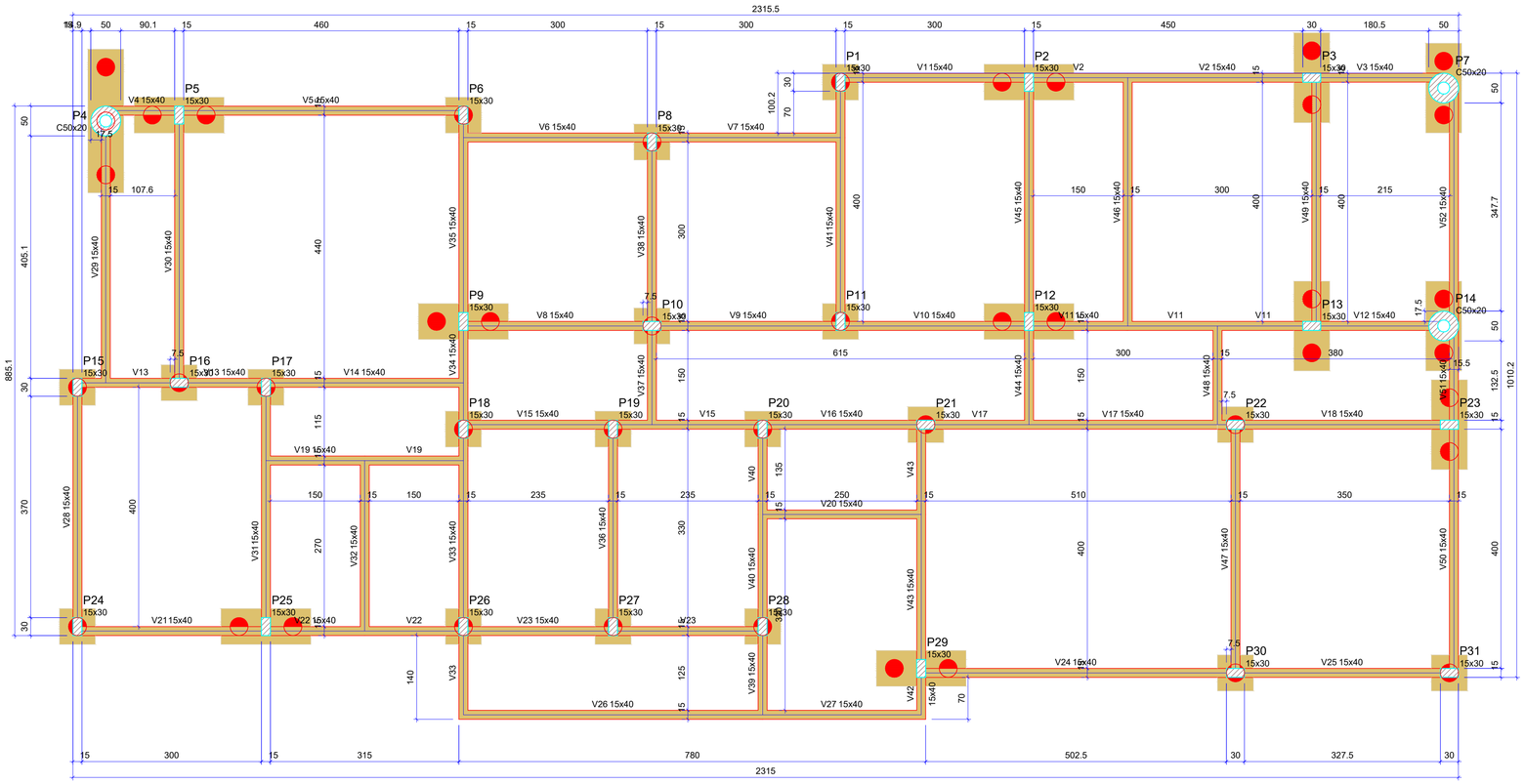
AUTOR DO PROJ.: ENGENHEIRA CIVIL - LORENA FÁTIMA SILVA - CREA:25178 /D-GO

LOCAÇÃO

DOURADO ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-0	PRANCHA: 1/20
REVISÃO 00	



FORMA DO PAVIMENTO BALDRAME

Escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x40	0	0
V2	15x40	0	0
V3	15x40	0	0
V4	15x40	0	0
V5	15x40	0	0
V6	15x40	0	0
V7	15x40	0	0
V8	15x40	0	0
V9	15x40	0	0
V10	15x40	0	0
V11	15x40	0	0
V12	15x40	0	0
V13	15x40	0	0
V14	15x40	0	0
V15	15x40	0	0
V16	15x40	0	0
V17	15x40	0	0
V18	15x40	0	0
V19	15x40	0	0
V20	15x40	0	0
V21	15x40	0	0
V22	15x40	0	0
V23	15x40	0	0
V24	15x40	0	0
V25	15x40	0	0
V26	15x40	0	0
V27	15x40	0	0
V28	15x40	0	0
V29	15x40	0	0
V30	15x40	0	0
V31	15x40	0	0
V32	15x40	0	0
V33	15x40	0	0
V34	15x40	0	0
V35	15x40	0	0
V36	15x40	0	0
V37	15x40	0	0
V38	15x40	0	0
V39	15x40	0	0
V40	15x40	0	0
V41	15x40	0	0
V42	15x40	0	0
V43	15x40	0	0
V44	15x40	0	0
V45	15x40	0	0
V46	15x40	0	0
V47	15x40	0	0
V48	15x40	0	0
V49	15x40	0	0
V50	15x40	0	0
V51	15x40	0	0
V52	15x40	0	0

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	0
P2	15x30	0	0
P3	15x30	0	0
P4	Circ 50x20	0	0
P5	15x30	0	0
P6	15x30	0	0
P7	Circ 50x20	0	0
P8	15x30	0	0
P9	15x30	0	0
P10	15x30	0	0
P11	15x30	0	0
P12	15x30	0	0
P13	15x30	0	0
P14	Circ 50x20	0	0
P15	15x30	0	0
P16	15x30	0	0
P17	15x30	0	0
P18	15x30	0	0
P19	15x30	0	0
P20	15x30	0	0
P21	15x30	0	0
P22	15x30	0	0
P23	15x30	0	0
P24	15x30	0	0
P25	15x30	0	0
P26	15x30	0	0
P27	15x30	0	0
P28	15x30	0	0
P29	15x30	0	0
P30	15x30	0	0
P31	15x30	0	0

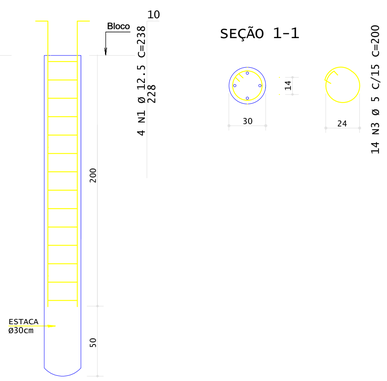
Legenda dos pilares	
	Pilar que passa

Legenda das vigas e paredes	
	Viga

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Dimensão máxima do agregado = 19 mm

E1x 44 Ø30cm
ESC. 1:25



RELAÇÃO DO AÇO

Ex 44

AÇO	N	DIAM (mm)	QUANT	C. UNIT (cm)	C. TOTAL (cm)
CA50	1	12.5	176	238	41888
CA60	2	5.0	572	200	114400

RESUMO DO AÇO

AÇO	DIAM (mm)	C. TOTAL (m)	PESO + 0% (kg)
CA50	12.5	418,88	403,39
CA60	5.0	1144	176,18

PESO TOTAL (KG)	
CA50	403,39
CA60	176,18

Volume de Concreto (C-25)= 7,48 M³

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

Baldrame

DOURADO ENGENHARIA & ARQUITETURA

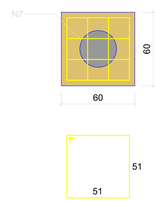
CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA:
REVISÃO 00	2/20

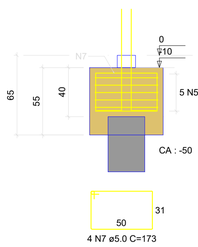
B1=B8=B10=B11=B15=B16=B18=B19=B20=B21
=B22=B24=B27=B30=B31

1xR30

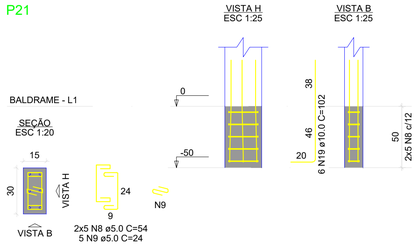
PLANTA
ESC 1:25



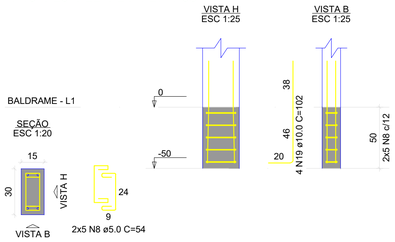
CORTE
ESC 1:25



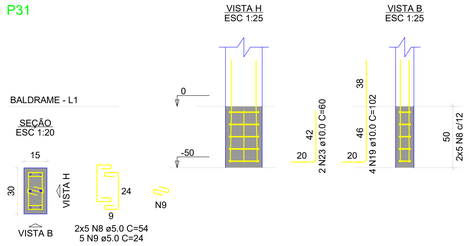
P21



P1=P8=P10=P11=P15=P16=P18=
=P19=P20=P22=P24=P27=P30



P31



RELAÇÃO DO AÇO

B4	B5	B6
4xB14	15xB31	13xP1
P2	P3	P4
P5	P6	2xP7
P21	P31	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	12	575	6900
	2	5.0	10	273	2730
	3	5.0	21	395	8295
	4	5.0	11	193	2123
	5	5.0	80	215	17200
	6	5.0	28	183	5124
	7	5.0	60	173	10380
	8	5.0	186	54	10044
	9	5.0	15	24	360
	10	5.0	19	156	2964
	11	5.0	4	24	96
CA50	12	8.0	2	286	572
	13	8.0	4	244	976
	14	8.0	5	388	1940
	15	8.0	10	196	1960
	16	8.0	20	154	3080
	17	10.0	4	217	868
	18	10.0	16	207	3312
	19	10.0	62	102	6324
	20	10.0	26	107	2782
	21	10.0	2	65	130
	22	10.0	9	152	1368
	23	10.0	2	60	120
	24	12.5	10	120	1200

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	85.3	37
	10.0	149	101.1
	12.5	12	12.7
CA60	5.0	662.2	112.3

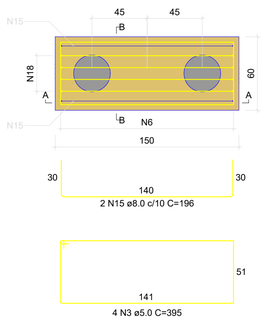
PESO TOTAL (kg)	
CA50	150.8
CA60	112.3

Volume de concreto (C-25) = 7.29 m³
Área de forma = 42.83 m²

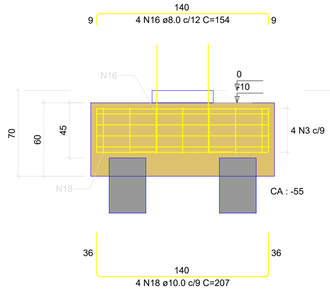
B2=B3=B7=B14

2xR30

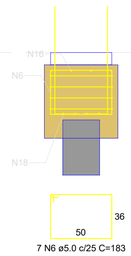
PLANTA
ESC 1:25



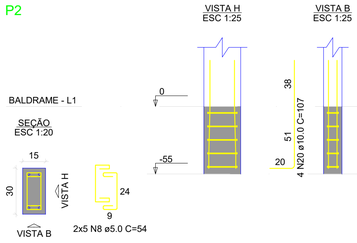
CORTE A-A
ESC 1:25



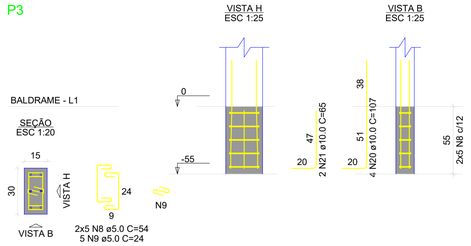
CORTE B-B
ESC 1:25



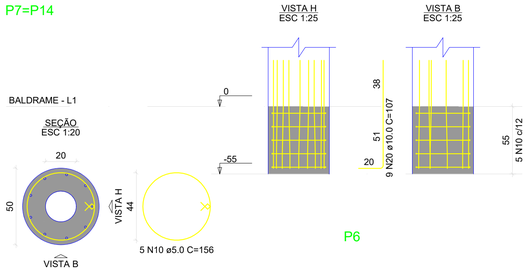
P2



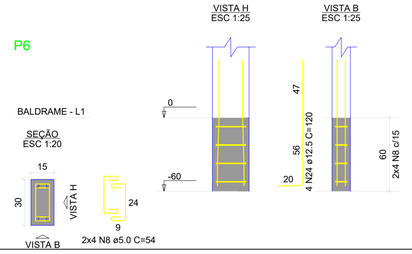
P3



P7=P14



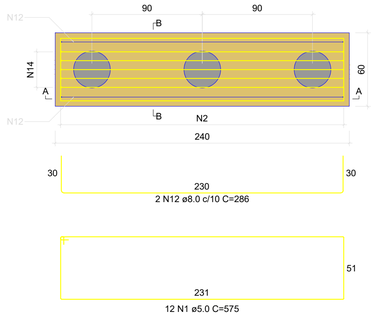
P6



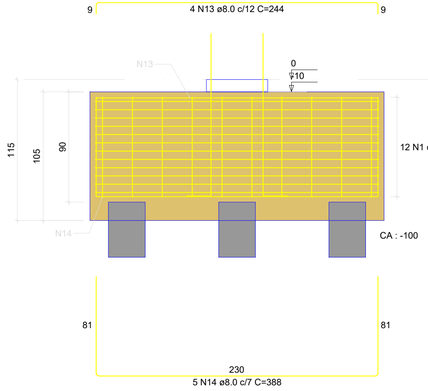
B4

3xR30

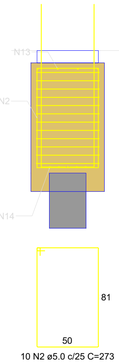
PLANTA
ESC 1:25



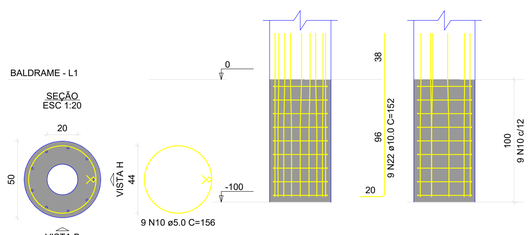
CORTE A-A
ESC 1:25



CORTE B-B
ESC 1:25



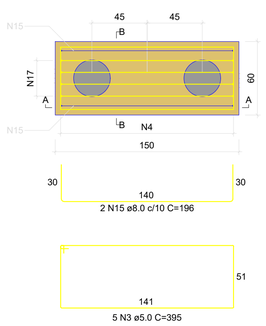
P4



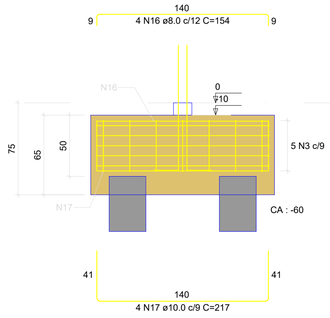
B5

2xR30

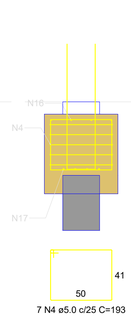
PLANTA
ESC 1:25



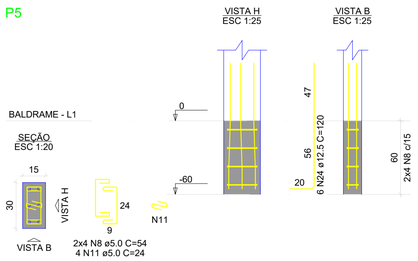
CORTE A-A
ESC 1:25



CORTE B-B
ESC 1:25



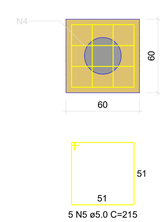
P5



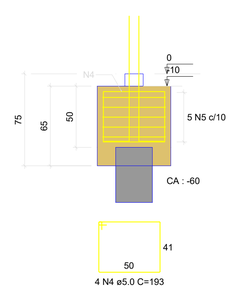
B6

1xR30

PLANTA
ESC 1:25



CORTE
ESC 1:25



PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

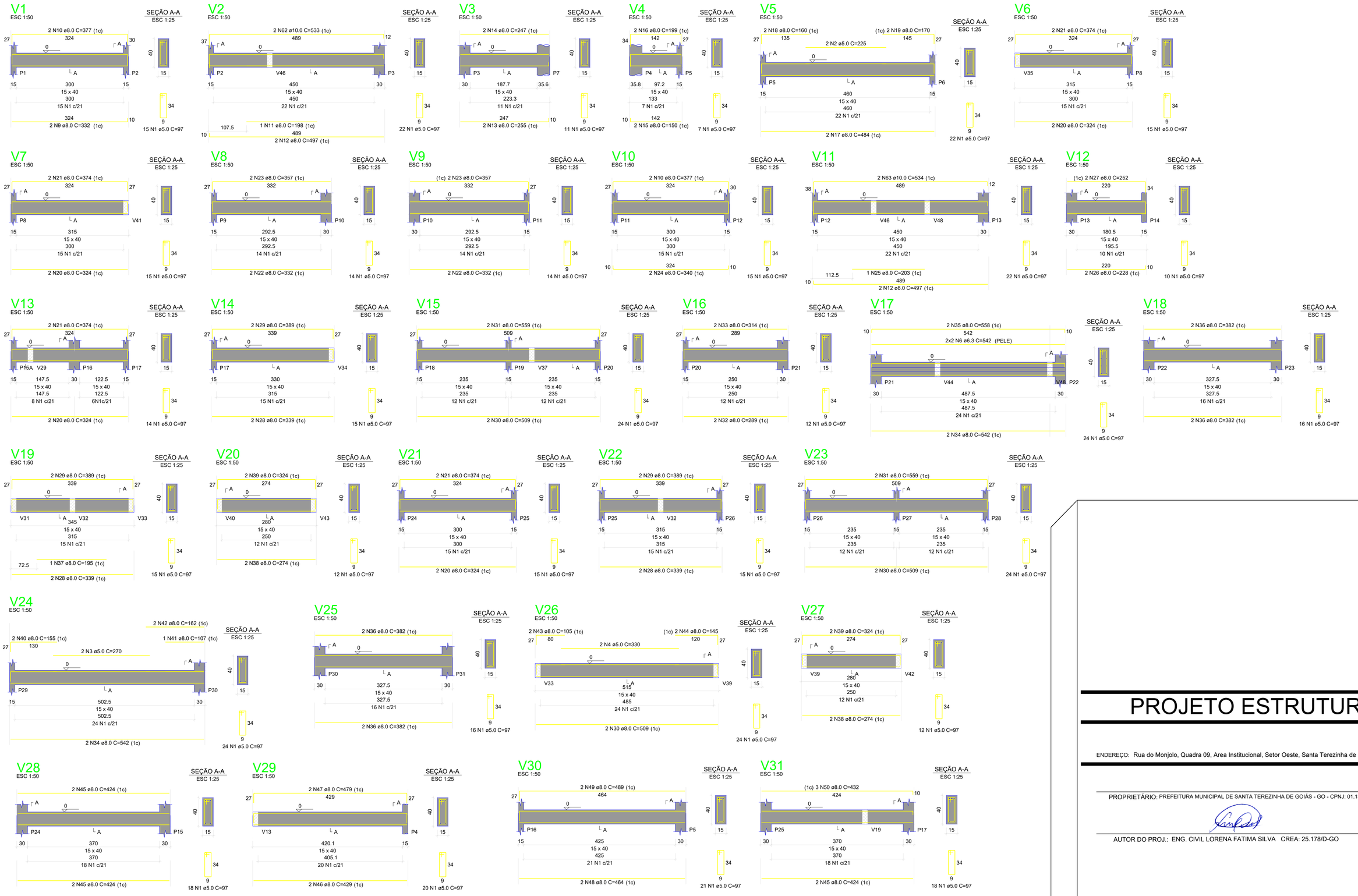
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

Baldrame

DOURADO ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 3/20
REVISÃO 00	



PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

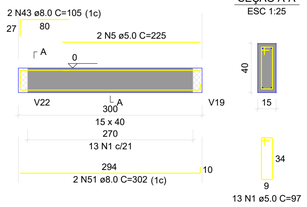
Baldrame

DOURADO ENGENHARIA & ARQUITETURA

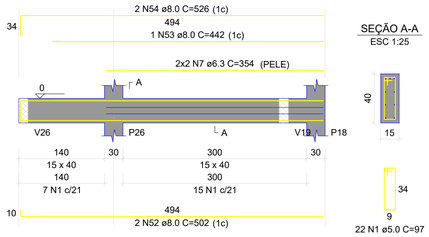
CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA	PRANCHA:
A-1	4/20
REVISÃO	
00	

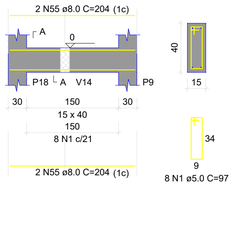
V32
ESC 1:50



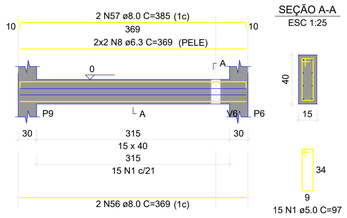
V33
ESC 1:50



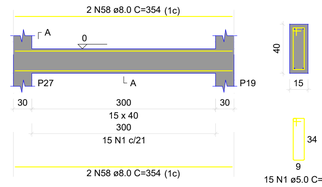
V34
ESC 1:50



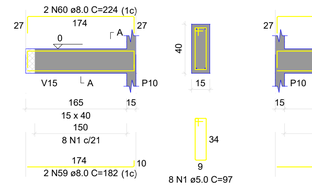
V35
ESC 1:50



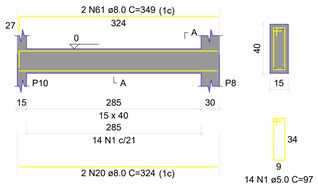
V36
ESC 1:50



V37
ESC 1:50



V38
ESC 1:50



RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27
V28	V29	V30
V31	V32	V33
V34	V35	V36
V37	V38	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	616	97	59752
	2	5.0	2	225	450
	3	5.0	2	270	540
	4	5.0	2	330	660
	5	5.0	2	225	450
CA50	6	6.3	4	542	2168
	7	6.3	4	354	1416
	8	6.3	4	369	1476
	9	8.0	2	332	664
	10	8.0	4	377	1508
	11	8.0	1	198	198
	12	8.0	4	497	1988
	13	8.0	2	255	510
	14	8.0	2	247	494
	15	8.0	2	150	300
	16	8.0	2	199	398
	17	8.0	2	484	968
	18	8.0	2	160	320
	19	8.0	2	170	340
	20	8.0	10	324	3240
	21	8.0	8	374	2992
	22	8.0	4	332	1328
	23	8.0	4	357	1428
	24	8.0	2	340	680
	25	8.0	1	203	203
	26	8.0	2	228	456
	27	8.0	2	252	504
	28	8.0	6	339	2034
	29	8.0	6	389	2334
	30	8.0	6	509	3054
	31	8.0	4	559	2236
	32	8.0	2	289	578
	33	8.0	2	314	628
	34	8.0	4	542	2168
	35	8.0	2	558	1116
	36	8.0	8	382	3056
	37	8.0	1	195	195
	38	8.0	4	274	1096
	39	8.0	4	324	1296
	40	8.0	2	155	310
	41	8.0	1	107	107
	42	8.0	2	162	324
	43	8.0	4	105	420
	44	8.0	2	145	290
	45	8.0	6	424	2544
	46	8.0	2	429	858
	47	8.0	2	479	958
	48	8.0	2	464	928
	49	8.0	2	489	978
	50	8.0	3	432	1296
	51	8.0	2	302	604
	52	8.0	2	502	1004
	53	8.0	1	442	442
	54	8.0	2	526	1052
	55	8.0	4	204	816
	56	8.0	2	369	738
	57	8.0	2	385	770
	58	8.0	4	354	1416
	59	8.0	2	182	364
	60	8.0	2	224	448
	61	8.0	2	349	698
	62	10.0	2	533	1066
	63	10.0	2	534	1068

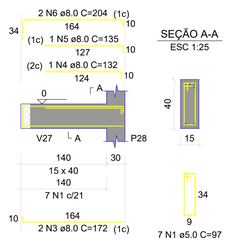
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	50.6	13.6
	8.0	556.8	241.7
	10.0	21.3	14.5
CA60	5.0	618.5	104.9

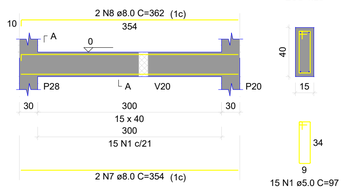
PESO TOTAL (kg)	
CA50	269.7
CA60	104.9

Volume de concreto (C-25) = 7.52 m³
Área de forma = 119.37 m²

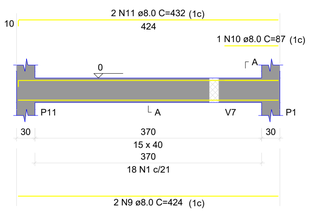
V39
ESC 1:50



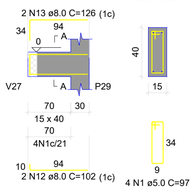
V40
ESC 1:50



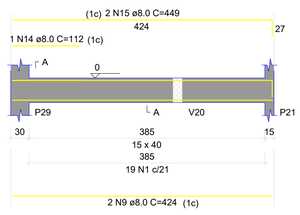
V41
ESC 1:50



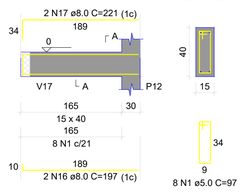
V42
ESC 1:50



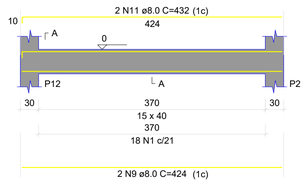
V43
ESC 1:50



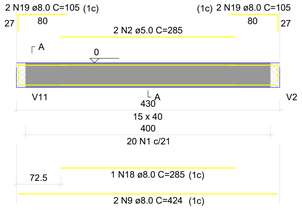
V44
ESC 1:50



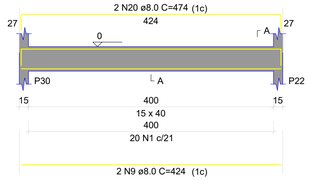
V45
ESC 1:50



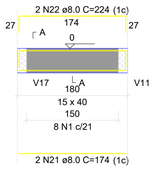
V46
ESC 1:50



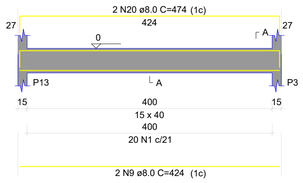
V47
ESC 1:50



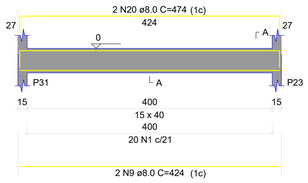
V48
ESC 1:50



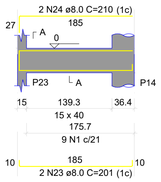
V49
ESC 1:50



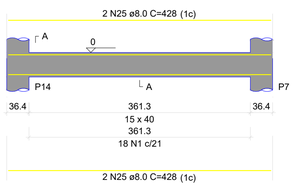
V50
ESC 1:50



V51
ESC 1:50



V52
ESC 1:50



RELAÇÃO DO AÇO

V39	V40	V41
V42	V43	V44
V45	V46	V47
V48	V49	V50
V51	V52	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	204	97	19788
	2	5.0	2	285	570
CA50	3	8.0	2	172	344
	4	8.0	1	132	132
	5	8.0	1	135	135
	6	8.0	2	204	408
	7	8.0	2	354	708
	8	8.0	2	362	724
	9	8.0	14	424	5936
	10	8.0	1	87	87
	11	8.0	4	432	1728
	12	8.0	2	102	204
	13	8.0	2	126	252
	14	8.0	1	112	112
	15	8.0	2	449	898
	16	8.0	2	197	394
	17	8.0	2	221	442
	18	8.0	1	285	285
	19	8.0	4	105	420
	20	8.0	6	474	2844
	21	8.0	2	174	348
	22	8.0	2	224	448
	23	8.0	2	201	402
	24	8.0	2	210	420
	25	8.0	4	428	1712

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	193.8	84.1
CA60	5.0	203.6	34.5

PESO TOTAL (kg)	
CA50	84.1
CA60	34.5

Volume de concreto (C-25) = 2.46 m³
Área de forma = 38.93 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

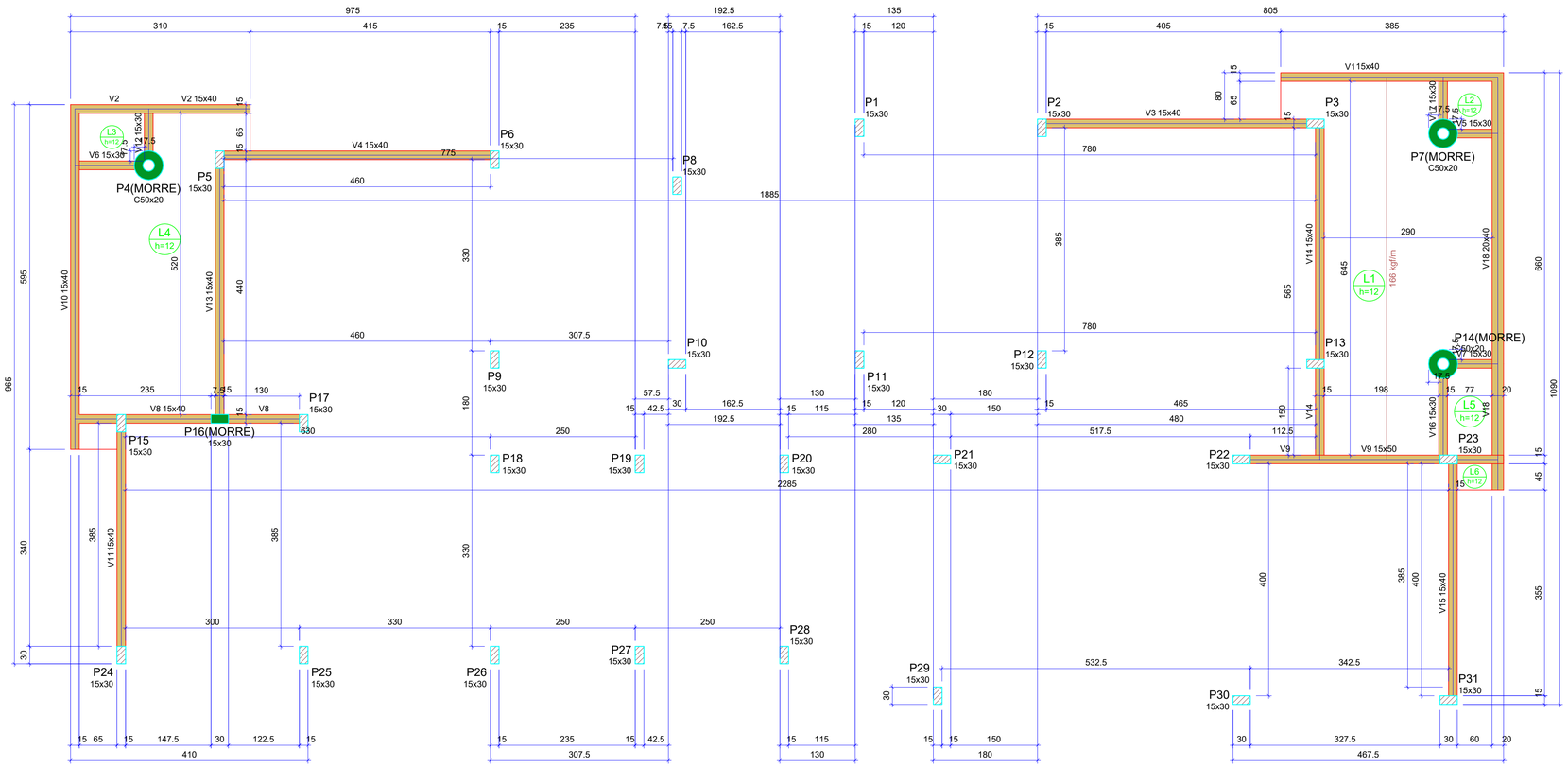
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

Baldrame

DOURADO ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA: A-1	PRANCHA: 5/20
REVISÃO: 00	



FORMA DO PAVIMENTO ACESSO COBERTO

Escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x40	0	250
V2	15x40	0	250
V3	15x40	0	250
V4	15x40	0	250
V5	15x30	0	250
V6	15x30	0	250
V7	15x30	0	250
V8	15x40	0	250
V9	15x50	0	250
V10	15x40	0	250
V11	15x40	0	250
V12	15x30	0	250
V13	15x40	0	250
V14	15x40	0	250
V15	15x40	0	250
V16	15x30	0	250
V17	15x30	0	250
V18	20x40	0	250

Lajes								
Dados						Sobrecarga (kgf/m²)		
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kgf/m²)	Adicional	Acidental	Localizada
L1	Maciça	12	0	250	300	155	0	sim
L2	Maciça	12	0	250	300	155	0	-
L3	Maciça	12	0	250	300	155	0	-
L4	Maciça	12	0	250	300	155	0	-
L5	Maciça	12	0	250	300	155	0	-
L6	Maciça	12	0	250	300	155	0	-

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	250
P2	15x30	0	250
P3	15x30	0	250
P4	Circ 50x20	0	250
P5	15x30	0	250
P6	15x30	0	250
P7	Circ 50x20	0	250
P8	15x30	0	250
P9	15x30	0	250
P10	15x30	0	250
P11	15x30	0	250
P12	15x30	0	250
P13	15x30	0	250
P14	Circ 50x20	0	250
P15	15x30	0	250
P16	15x30	0	250
P17	15x30	0	250
P18	15x30	0	250
P19	15x30	0	250
P20	15x30	0	250
P21	15x30	0	250
P22	15x30	0	250
P23	15x30	0	250
P24	15x30	0	250
P25	15x30	0	250
P26	15x30	0	250
P27	15x30	0	250
P28	15x30	0	250
P29	15x30	0	250
P30	15x30	0	250
P31	15x30	0	250

Legenda dos pilares	
	Pilar que morre
	Pilar que passa

Legenda das vigas e paredes	
	Viga

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

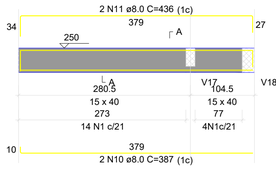
ACESSO COBERTO

DOURADO ENGENHARIA & ARQUITETURA

CONTEÚDO:

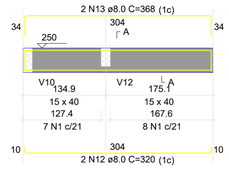
ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 6/20
REVISÃO 00	

V1
ESC 1:50



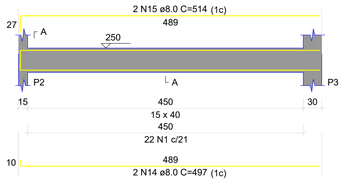
SEÇÃO A-A
ESC 1:25

V2
ESC 1:50

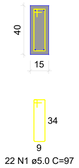


SEÇÃO A-A
ESC 1:25

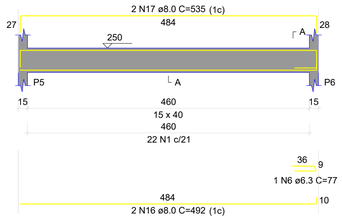
V3
ESC 1:50



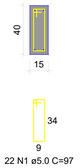
SEÇÃO A-A
ESC 1:25



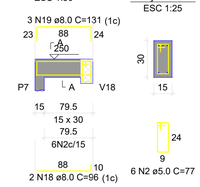
V4
ESC 1:50



SEÇÃO A-A
ESC 1:25



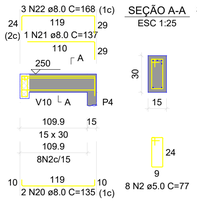
V5
ESC 1:50



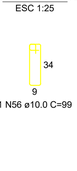
SEÇÃO A-A
ESC 1:25

SUSPENSÃO V18
ESC 1:25

V6
ESC 1:50

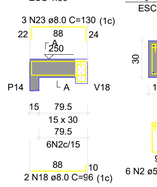


SEÇÃO A-A
ESC 1:25



SUSPENSÃO V10
ESC 1:25

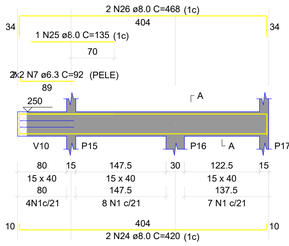
V7
ESC 1:50



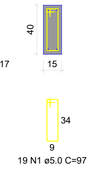
SEÇÃO A-A
ESC 1:25

SUSPENSÃO V18
ESC 1:25

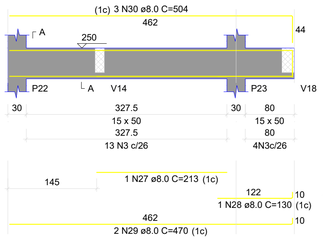
V8
ESC 1:50



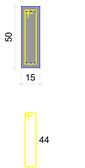
SEÇÃO A-A
ESC 1:25



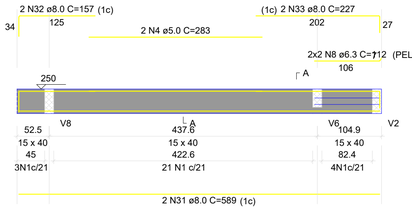
V9
ESC 1:50



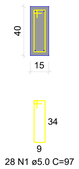
SEÇÃO A-A
ESC 1:25



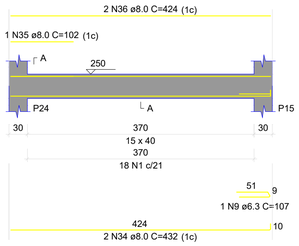
V10
ESC 1:50



SEÇÃO A-A
ESC 1:25

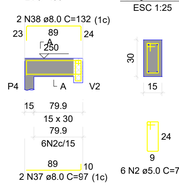


V11
ESC 1:50



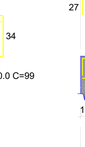
SEÇÃO A-A
ESC 1:25

V12
ESC 1:50

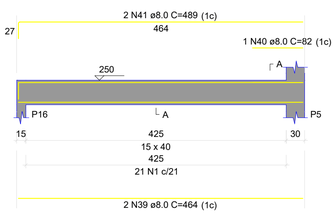


SEÇÃO A-A
ESC 1:25

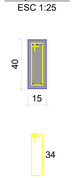
SUSPENSÃO V2
ESC 1:25



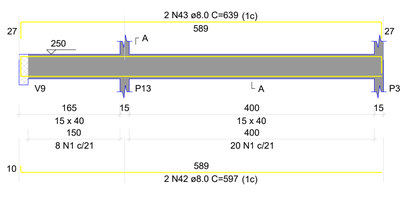
V13
ESC 1:50



SEÇÃO A-A
ESC 1:25

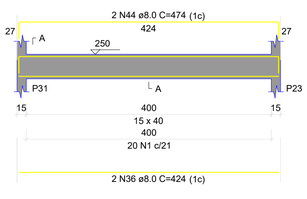


V14
ESC 1:50

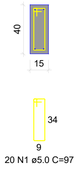


SEÇÃO A-A
ESC 1:25

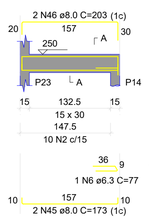
V15
ESC 1:50



SEÇÃO A-A
ESC 1:25

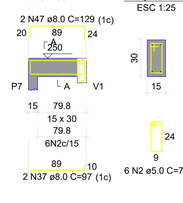


V16
ESC 1:50

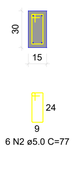


SEÇÃO A-A
ESC 1:25

V17
ESC 1:50

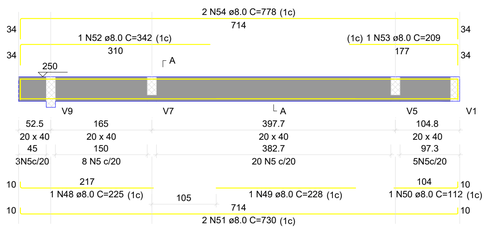


SEÇÃO A-A
ESC 1:25

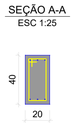


SUSPENSÃO V1
ESC 1:25

V18
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	211	97	20467
	2	5.0	42	77	3234
	3	5.0	17	117	1989
	4	5.0	2	283	566
	5	5.0	36	107	3852
CA50	6	6.3	2	77	154
	7	6.3	4	92	368
	8	6.3	4	112	448
	9	6.3	1	107	107
	10	8.0	2	387	774
	11	8.0	2	436	872
	12	8.0	2	320	640
	13	8.0	2	368	736
	14	8.0	2	497	994
	15	8.0	2	514	1028
	16	8.0	2	492	984
	17	8.0	2	535	1070
	18	8.0	4	96	384
	19	8.0	3	131	393
	20	8.0	2	135	270
	21	8.0	1	137	137
	22	8.0	3	168	504
	23	8.0	3	130	390
	24	8.0	2	420	840
	25	8.0	1	135	135
	26	8.0	2	468	936
	27	8.0	1	213	213
	28	8.0	1	130	130
	29	8.0	2	470	940
	30	8.0	3	504	1512
	31	8.0	2	589	1178
	32	8.0	2	157	314
	33	8.0	2	227	454
	34	8.0	2	432	864
	35	8.0	1	102	102
	36	8.0	4	424	1696
	37	8.0	4	97	388
	38	8.0	2	132	264
	39	8.0	2	464	928
	40	8.0	1	82	82
	41	8.0	2	489	978
	42	8.0	2	597	1194
	43	8.0	2	639	1278
	44	8.0	2	474	948
	45	8.0	2	173	346
	46	8.0	2	203	406
	47	8.0	2	129	258
	48	8.0	1	225	225
	49	8.0	1	228	228
	50	8.0	1	112	112
	51	8.0	2	730	1460
	52	8.0	1	342	342
	53	8.0	1	209	209
	54	8.0	2	778	1556
	55	10.0	2	109	218
	56	10.0	3	99	297

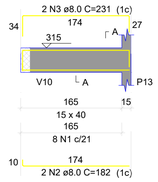
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	10.8	2.9
	8.0	296.9	128.9
	10.0	5.2	3.5
CA60	5.0	301.1	51

PESO TOTAL (kg)	
CA50	135.3
CA60	51

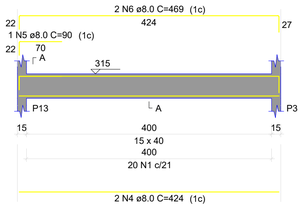
Volume de concreto (C-25) = 3.67 m³
Área de forma = 50.63 m²

V30
ESC 1:50

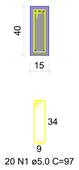


SEÇÃO A-A
ESC 1:25

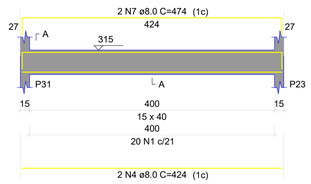
V31
ESC 1:50



SEÇÃO A-A
ESC 1:25



V32
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V30 V31 V32

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	48	97	4656
CA50	2	8.0	2	182	364
	3	8.0	2	231	462
	4	8.0	4	424	1696
	5	8.0	1	90	90
	6	8.0	2	469	938
	7	8.0	2	474	948

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	45	19.5
CA60	5.0	46.6	7.9

PESO TOTAL (kg)	
CA50	19.5
CA60	7.9

Volume de concreto (C-25) = 0.57 m³
Área de forma = 7.89 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

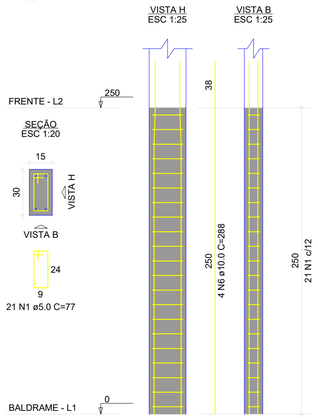
ACESSO COBERTO

DOURADO ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 7/20
REVISÃO 00	

P1=P8=P9=P10=P11=
=P12=P18=P19=P20=
=P25=P26=P27=P28=
=P30



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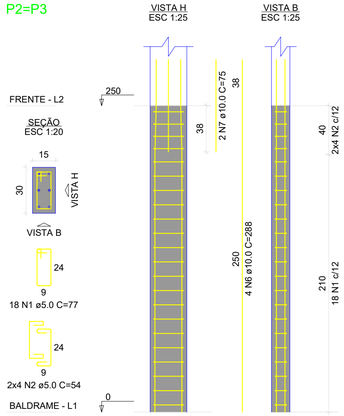

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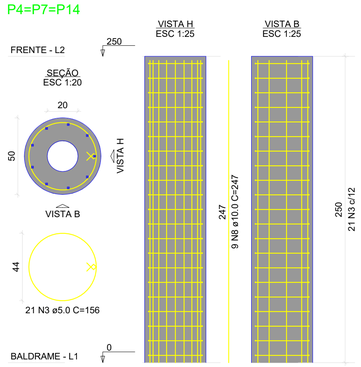

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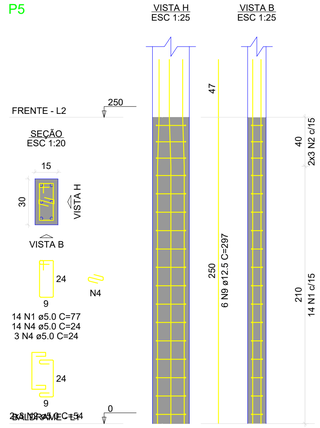

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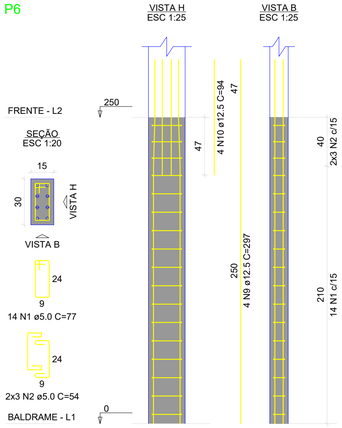

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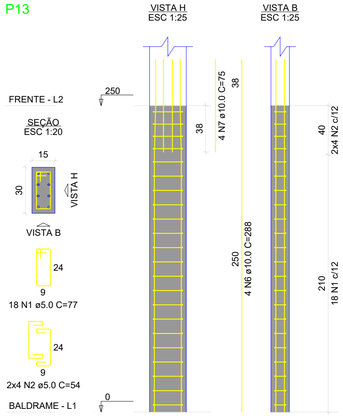

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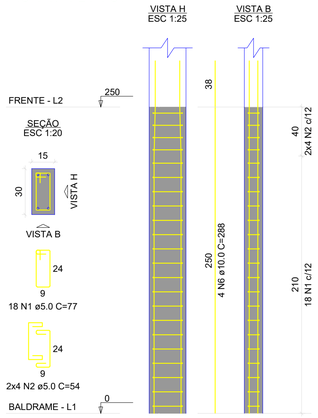

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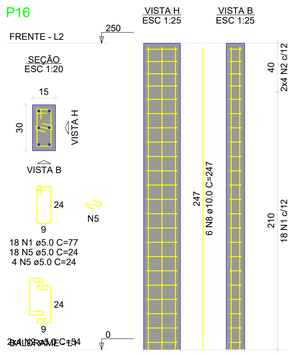

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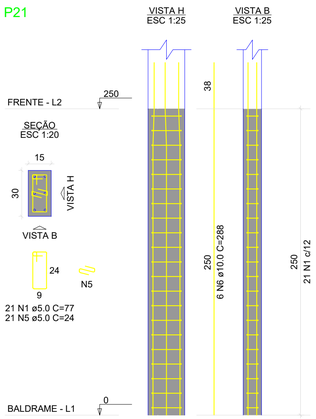

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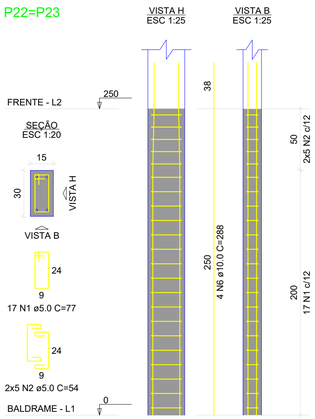

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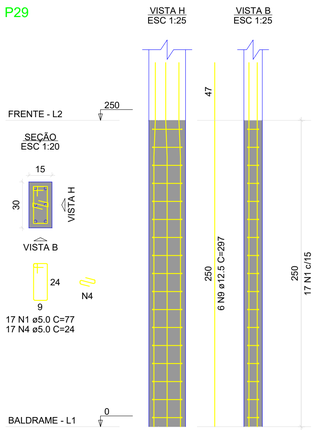


RELAÇÃO DO AÇO

14xP1	2xP2	3xP4
P5	P6	P13
4xP15	P16	P21
2xP22	P29	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	538	77	41426
	2	5.0	96	54	5184
	3	5.0	63	156	9828
	4	5.0	34	24	816
	5	5.0	43	24	1032
CA50	6	10.0	98	288	28224
	7	10.0	8	75	600
	8	10.0	33	247	8151
	9	12.5	16	297	4752
	10	12.5	4	94	376

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	369.8	250.8
	12.5	51.3	54.3
CA60	5.0	582.9	98.8

PESO TOTAL (kg)	
CA50	305.1
CA60	98.8

Volume de concreto (C-25) = 4.37 m³
Área de forma = 79.31 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

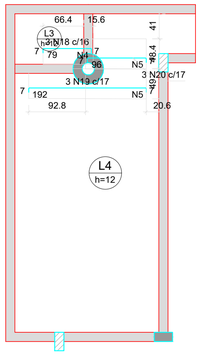
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

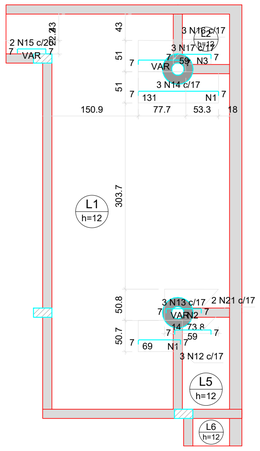
ACESSO COBERTO

DOURADO
ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 8/20
REVISÃO 00	



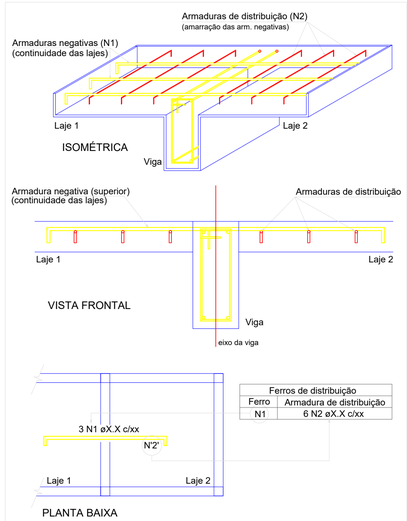


Armaduras de distribuição	
Armadura	Armadura de distribuição
N12	4 N1 ø5.0 c/20 C=51
N13	3 N2 ø5.0 c/20 C=VAR
N14	7 N1 ø5.0 c/20 C=51
N17	3 N3 ø5.0 c/20 C=40
N18	4 N4 ø5.0 c/20 C=41
N19	10 N5 ø5.0 c/20 C=49
N20	5 N5 ø5.0 c/20 C=49

ARMAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO FRENTE (EIXO X)

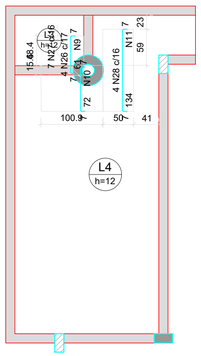
Escala 1:50

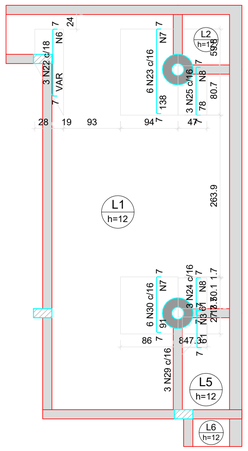
DETALHE DA ARMADURA SUPERIOR DE CONTINUIDADE DA LAJE
E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



Ferros de distribuição	
Ferro	Armadura de distribuição
N1	6 N2 øX.X c/xx

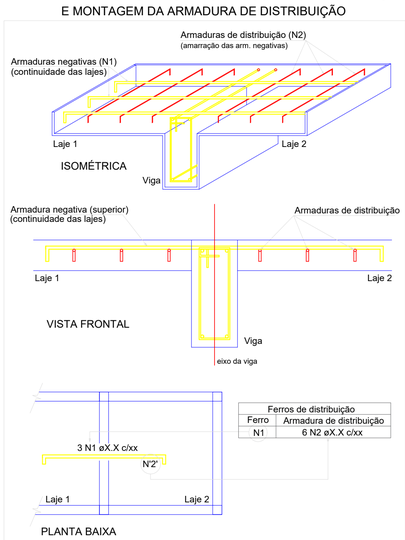
NOTA: A ARMADURA DE DISTRIBUIÇÃO DAS CONTINUIDADES DEVE SER ININTERRUPTA E COM TRASPASSE (CASO HAJA EMENDAS).





Armaduras de distribuição	
Armadura	Armadura de distribuição
N22	6 N6 ø5.0 c/20 C=VAR
N30	5 N7 ø5.0 c/20 C=94
N23	7 N7 ø5.0 c/20 C=94
N24	3 N8 ø5.0 c/20 C=47
N25	4 N8 ø5.0 c/20 C=47
N26	3 N9 ø5.0 c/20 C=56
N27	4 N10 ø5.0 c/20 C=101
N28	7 N11 ø5.0 c/20 C=50
N29	3 N3 ø5.0 c/20 C=40

DETALHE DA ARMADURA SUPERIOR DE CONTINUIDADE DA LAJE
E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



Ferros de distribuição	
Ferro	Armadura de distribuição
N1	6 N2 øX.X c/xx

NOTA: A ARMADURA DE DISTRIBUIÇÃO DAS CONTINUIDADES DEVE SER ININTERRUPTA E COM TRASPASSE (CASO HAJA EMENDAS).

ARMAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO FRENTE (EIXO Y)

Escala 1:50

RELAÇÃO DO AÇO

Negativos X Negativos Y

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	11	51	561
	2	5.0	3	VAR	VAR
	3	5.0	6	40	240
	4	5.0	4	41	164
	5	5.0	15	49	735
	6	5.0	6	VAR	VAR
	7	5.0	12	94	1128
	8	5.0	7	47	329
	9	5.0	3	56	168
	10	5.0	4	101	404
	11	5.0	7	50	350
CA50	12	6.3	3	80	240
	13	6.3	3	VAR	VAR
	14	6.3	3	142	426
	15	6.3	2	VAR	VAR
	16	6.3	3	VAR	VAR
	17	6.3	3	70	210
	18	6.3	3	90	270
	19	6.3	3	203	609
	20	6.3	3	107	321
	21	6.3	2	70	140
	22	6.3	3	VAR	VAR
	23	6.3	6	149	894
	24	6.3	3	72	216
	25	6.3	3	89	267
	26	6.3	4	72	288
	27	6.3	7	83	581
	28	6.3	4	145	580
	29	6.3	3	72	216
	30	8.0	6	101	606

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	61.9	16.7
	8.0	6.1	2.6
CA60	5.0	43.7	7.4

PESO TOTAL (kg)	
CA50	19.3
CA60	7.4

Volume de concreto (C-25) = 0.00 m³
Área de forma = 0.00 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Área Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

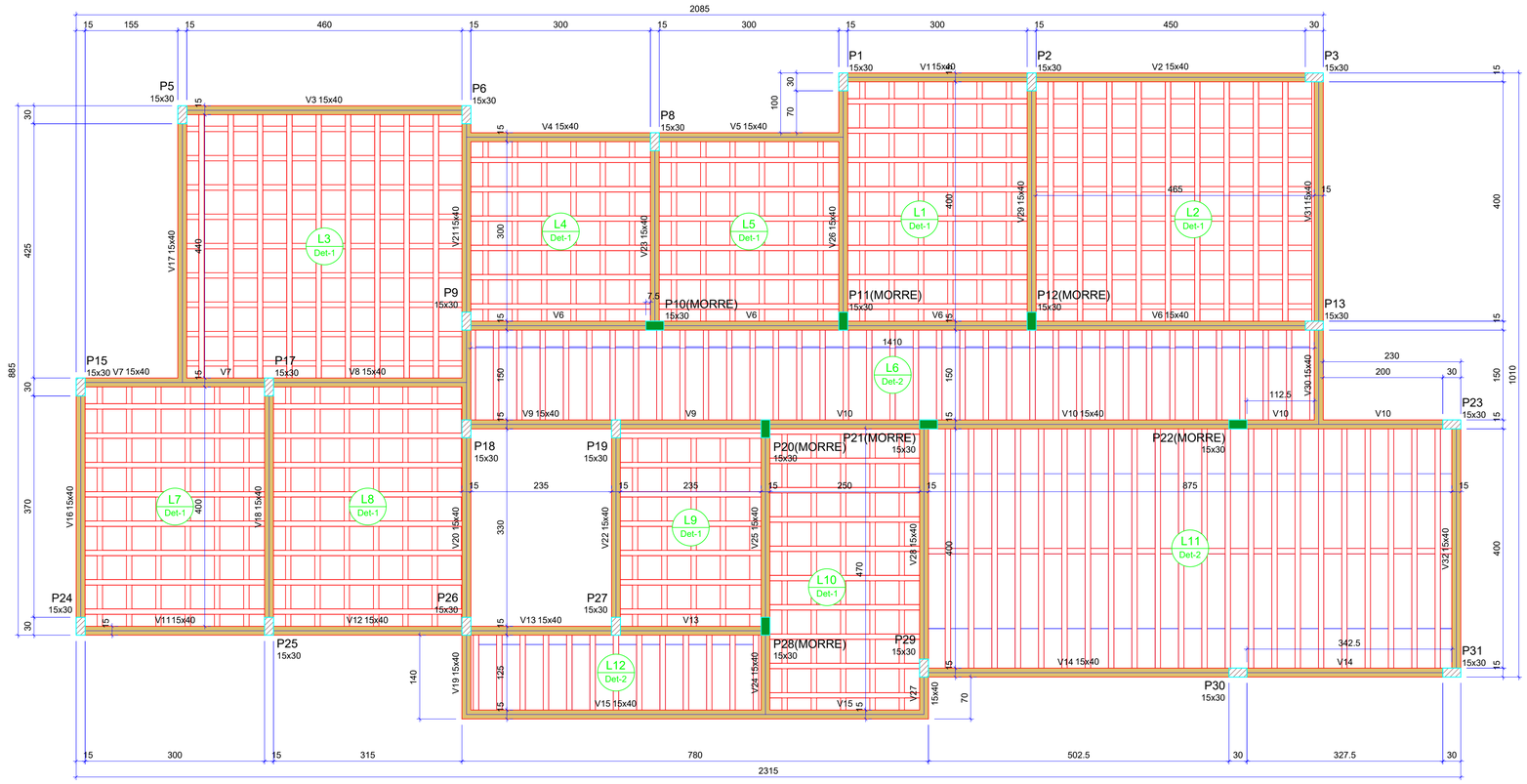
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

ACESSO COBERTO

DOURADO
ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 9/20
REVISÃO 00	



FORMA DO PAVIMENTO TÉRREO

Escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x40	0	315
V2	15x40	0	315
V3	15x40	0	315
V4	15x40	0	315
V5	15x40	0	315
V6	15x40	0	315
V7	15x40	0	315
V8	15x40	0	315
V9	15x40	0	315
V10	15x40	0	315
V11	15x40	0	315
V12	15x40	0	315
V13	15x40	0	315
V14	15x40	0	315
V15	15x40	0	315
V16	15x40	0	315
V17	15x40	0	315
V18	15x40	0	315
V19	15x40	0	315
V20	15x40	0	315
V21	15x40	0	315
V22	15x40	0	315
V23	15x40	0	315
V24	15x40	0	315
V25	15x40	0	315
V26	15x40	0	315
V27	15x40	0	315
V28	15x40	0	315
V29	15x40	0	315
V30	15x40	0	315
V31	15x40	0	315
V32	15x40	0	315

Blocos de enchimento						
Detalhe	Tipo	Nome	Dimensões(cm)			Quantidade
			hb	bx	by	
1	EPS Bidirecional	B8/40/40	8	40	40	572
2	EPS Unidirecional	B8/30/125	8	30	125	188

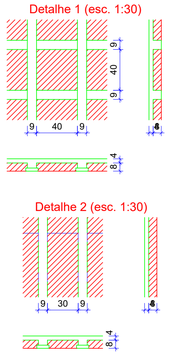
Lajes								
Dados						Sobrecarga (kgf/m²)		
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kgf/m²)	Adicional	Acidental	Localizada
L1	Treliçada 2D	12	0	315	168	155	0	-
L2	Treliçada 2D	12	0	315	168	155	0	-
L3	Treliçada 2D	12	0	315	168	155	0	-
L4	Treliçada 2D	12	0	315	168	155	0	-
L5	Treliçada 2D	12	0	315	168	155	0	-
L6	Treliçada 1D	12	0	315	147	155	0	-
L7	Treliçada 2D	12	0	315	168	155	0	-
L8	Treliçada 2D	12	0	315	168	155	0	-
L9	Treliçada 2D	12	0	315	168	155	0	-
L10	Treliçada 2D	12	0	315	168	155	0	-
L11	Treliçada 1D	12	0	315	151	155	0	-
L12	Treliçada 1D	12	0	315	147	155	0	-

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	315
P2	15x30	0	315
P3	15x30	0	315
P5	15x30	0	315
P6	15x30	0	315
P8	15x30	0	315
P9	15x30	0	315
P10	15x30	0	315
P11	15x30	0	315
P12	15x30	0	315
P13	15x30	0	315
P15	15x30	0	315
P17	15x30	0	315
P18	15x30	0	315
P19	15x30	0	315
P20	15x30	0	315
P21	15x30	0	315
P22	15x30	0	315
P23	15x30	0	315
P24	15x30	0	315
P25	15x30	0	315
P26	15x30	0	315
P27	15x30	0	315
P28	15x30	0	315
P29	15x30	0	315
P30	15x30	0	315
P31	15x30	0	315

Detalhe 1 (esc. 1:30)



Detalhe 2 (esc. 1:30)

Legenda dos pilares	
	Pilar que morre
	Pilar que passa

Legenda das vigas e paredes	
	Viga

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

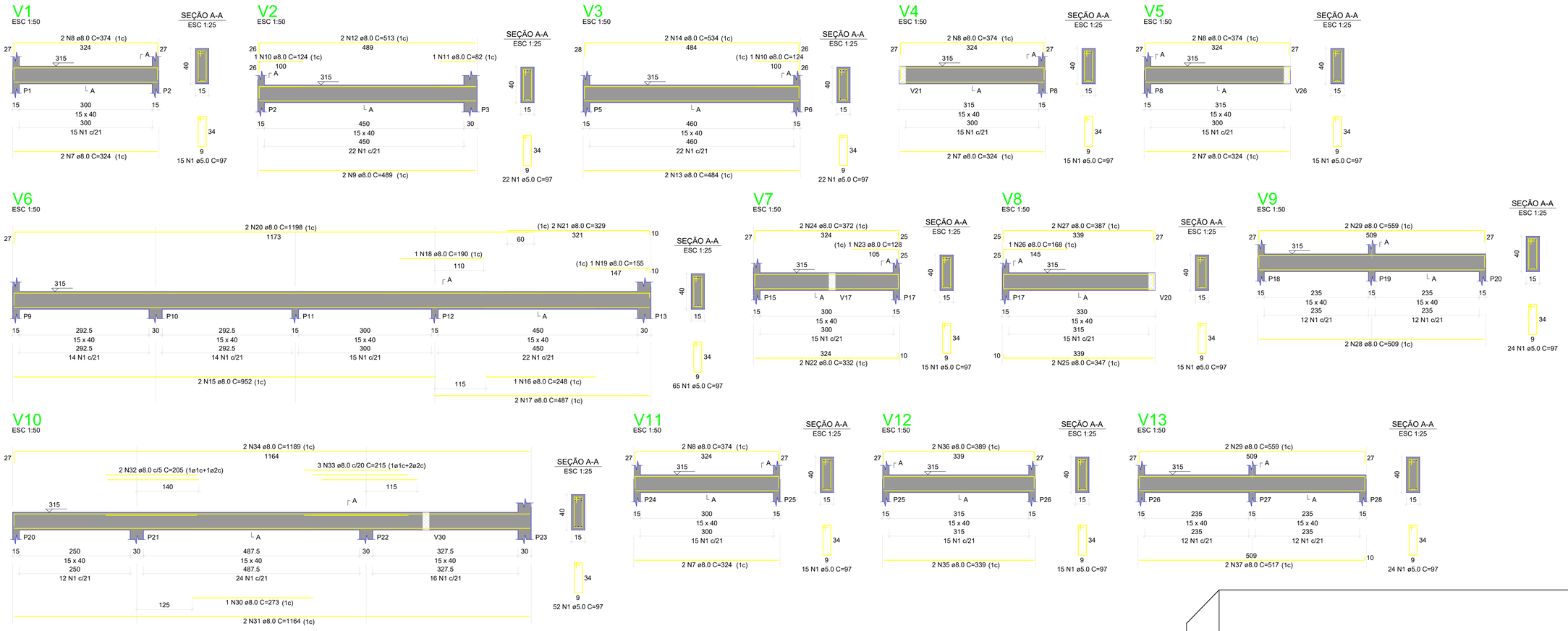
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

PAV TÉRREO

DOURADO ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA:
REVISÃO 00	10/20



PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

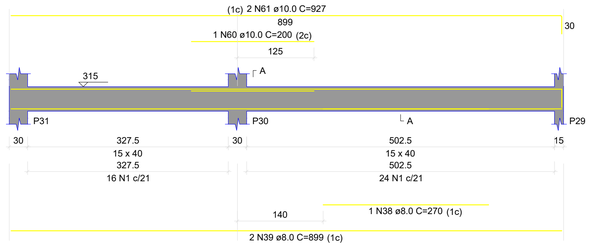
PAV TÉRREO

DOURADO
ENGENHARIA & ARQUITETURA

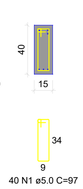
CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 11/20
REVISÃO 00	

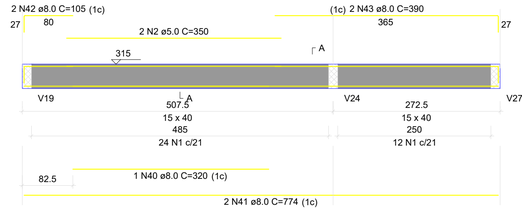
V14
ESC 1:50



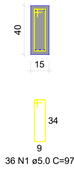
SEÇÃO A-A
ESC 1:25



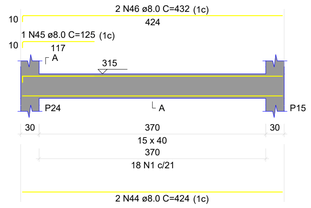
V15
ESC 1:50



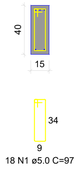
SEÇÃO A-A
ESC 1:25



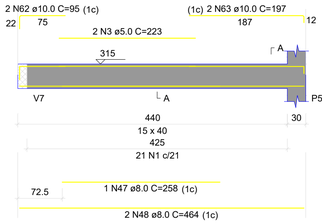
V16
ESC 1:50



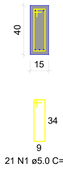
SEÇÃO A-A
ESC 1:25



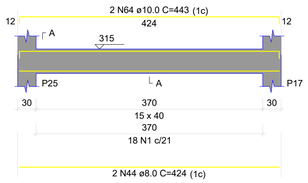
V17
ESC 1:50



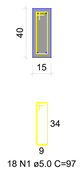
SEÇÃO A-A
ESC 1:25



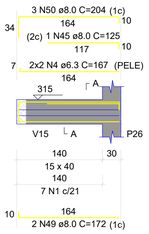
V18
ESC 1:50



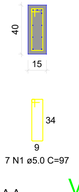
SEÇÃO A-A
ESC 1:25



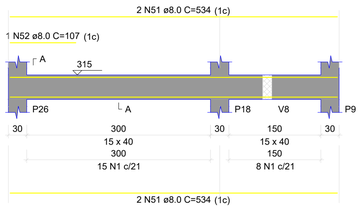
V19
ESC 1:50



SEÇÃO A-A
ESC 1:25

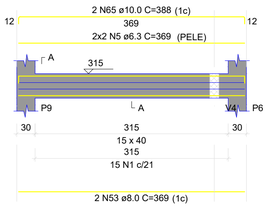


V20
ESC 1:50

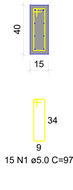


SEÇÃO A-A
ESC 1:25

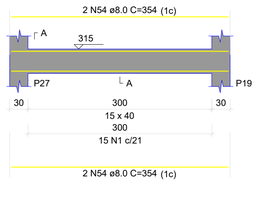
V21
ESC 1:50



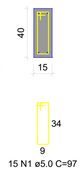
SEÇÃO A-A
ESC 1:25



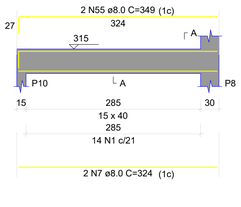
V22
ESC 1:50



SEÇÃO A-A
ESC 1:25

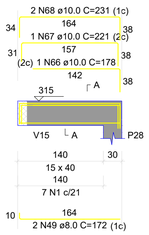


V23
ESC 1:50

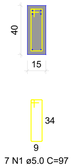


SEÇÃO A-A
ESC 1:25

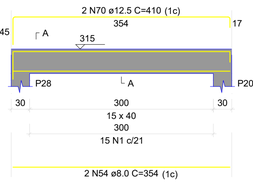
V24
ESC 1:50



SEÇÃO A-A
ESC 1:25

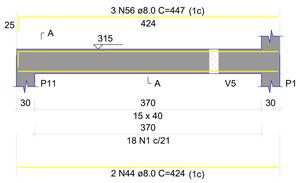


V25
ESC 1:50

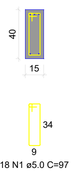


SEÇÃO A-A
ESC 1:25

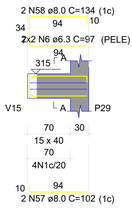
V26
ESC 1:50



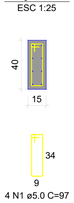
SEÇÃO A-A
ESC 1:25



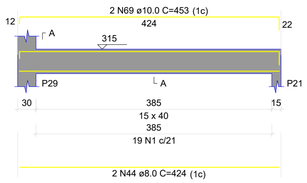
V27
ESC 1:50



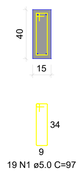
SEÇÃO A-A
ESC 1:25



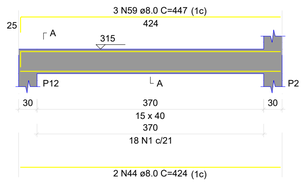
V28
ESC 1:50



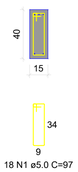
SEÇÃO A-A
ESC 1:25



V29
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27
V28	V29	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	602	97	58394
	2	5.0	2	350	700
	3	5.0	2	223	446
CA50	4	6.3	4	167	668
	5	6.3	4	369	1476
	6	6.3	4	97	388
	7	8.0	10	324	3240
	8	8.0	8	374	2992
	9	8.0	2	489	978
	10	8.0	2	124	248
	11	8.0	1	82	82
	12	8.0	2	513	1026
	13	8.0	2	484	968
	14	8.0	2	534	1068
	15	8.0	2	952	1904
	16	8.0	1	248	248
	17	8.0	2	487	974
	18	8.0	1	190	190
	19	8.0	1	155	155
	20	8.0	2	1198	2396
	21	8.0	2	329	658
	22	8.0	2	332	664
	23	8.0	1	128	128
	24	8.0	2	372	744
	25	8.0	2	347	694
	26	8.0	1	168	168
	27	8.0	2	387	774
	28	8.0	2	509	1018
	29	8.0	4	559	2236
	30	8.0	1	273	273
	31	8.0	2	1164	2328
	32	8.0	2	205	410
	33	8.0	3	215	645
	34	8.0	2	1189	2378
	35	8.0	2	339	678
	36	8.0	2	389	778
	37	8.0	2	517	1034
	38	8.0	1	270	270
	39	8.0	2	899	1798
	40	8.0	1	320	320
	41	8.0	2	774	1548
	42	8.0	2	105	210
	43	8.0	2	390	780
	44	8.0	10	424	4240
	45	8.0	2	125	250
	46	8.0	2	432	864
	47	8.0	1	258	258
	48	8.0	2	464	928
	49	8.0	4	172	688
	50	8.0	3	204	612
	51	8.0	4	534	2136
	52	8.0	1	107	107
	53	8.0	2	369	738
	54	8.0	6	354	2124
	55	8.0	2	349	698
	56	8.0	3	447	1341
	57	8.0	2	102	204
	58	8.0	2	134	268
	59	8.0	3	447	1341
	60	10.0	1	200	200
	61	10.0	2	927	1854
	62	10.0	2	95	190
	63	10.0	2	197	394
	64	10.0	2	443	886
	65	10.0	2	388	776
	66	10.0	1	178	178
	67	10.0	1	221	221
	68	10.0	2	231	462
	69	10.0	2	453	906
	70	12.5	2	410	820

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	25.3	6.8
	8.0	538	233.5
	10.0	60.7	41.1
	12.5	8.2	8.7
CA60	5.0	595.4	100.9

PESO TOTAL (kg)	
CA50	290.2
CA60	100.9

Volume de concreto (C-25) = 7.37 m³
Área de forma = 95.07 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

PAV TÉRREO

DOURADO ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA: A-1	PRANCHA: 12/20
REVISÃO: 00	

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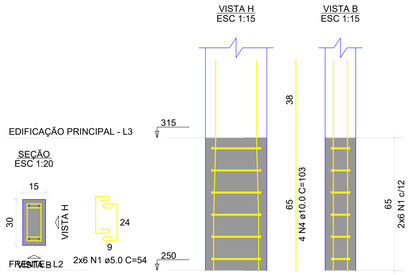
=P25=P26=P27=P30=P31



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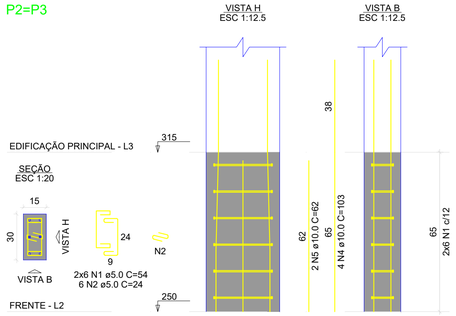

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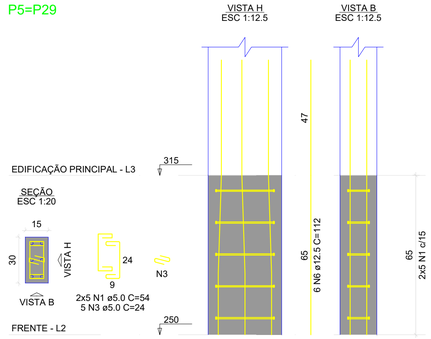
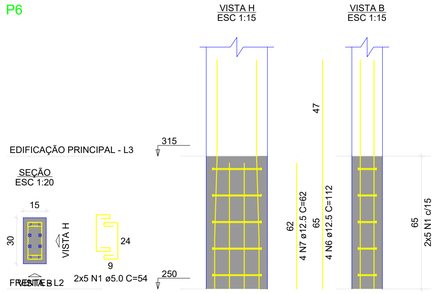
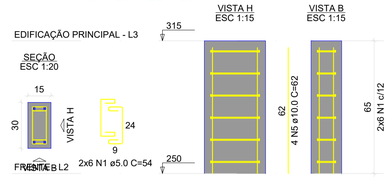


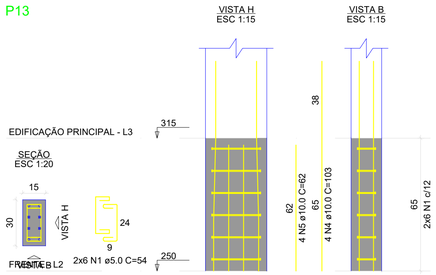
P6



P10=P11=P12=P20=P22=P28



P13



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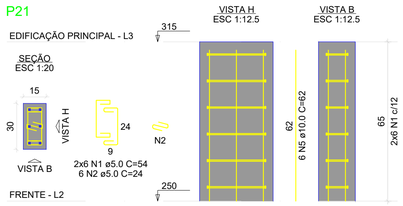


RELAÇÃO DO AÇO

14xP1 2xP2 2xP5
P6 6xP10 P13
P21

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	318	54	17172
	2	5.0	18	24	432
	3	5.0	10	24	240
CA50	4	10.0	68	103	7004
	5	10.0	38	62	2356
	6	12.5	16	112	1792
	7	12.5	4	62	248

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	93.6	63.5
	12.5	20.4	21.6
CA60	5.0	178.4	30.3

PESO TOTAL (kg)	
CA50	85.1
CA60	30.3

Volume de concreto (C-25) = 0.79 m³
Área de forma = 15.80 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

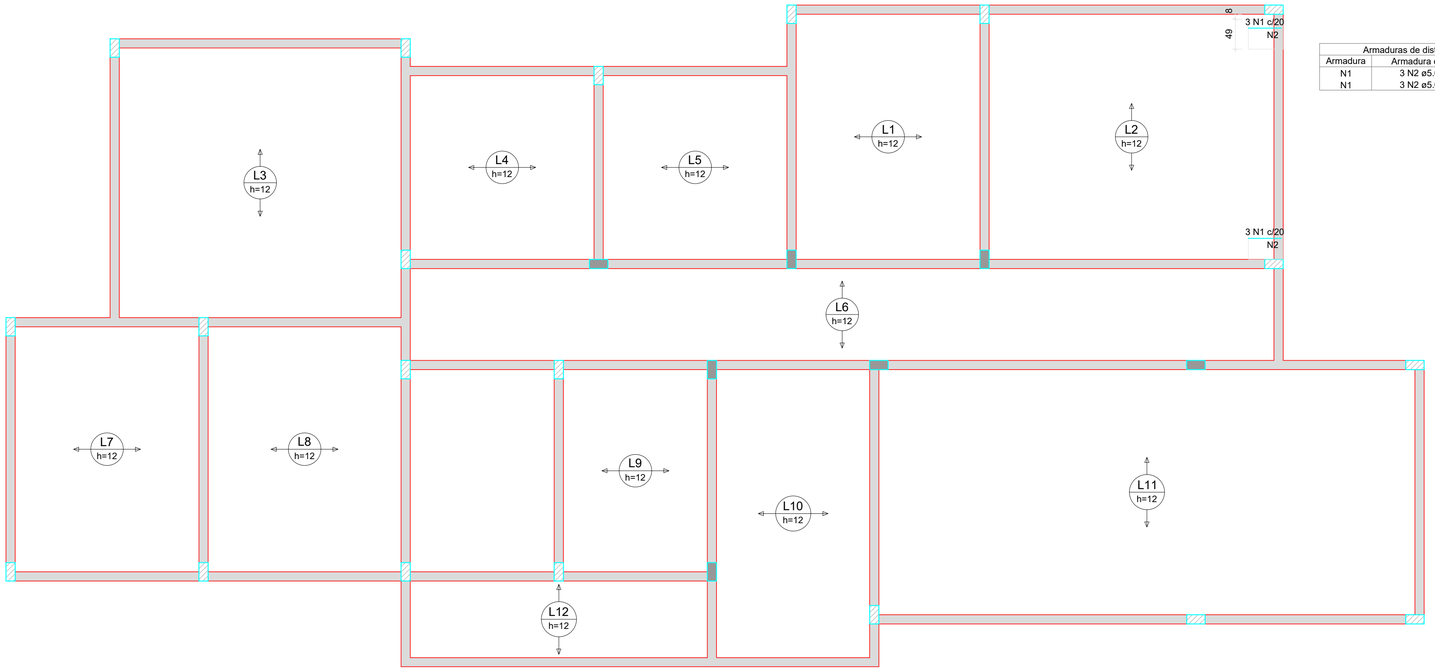
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

PAV TÉRREO

DOURADO
ENGENHARIA & ARQUITETURA

CONTEÚDO:

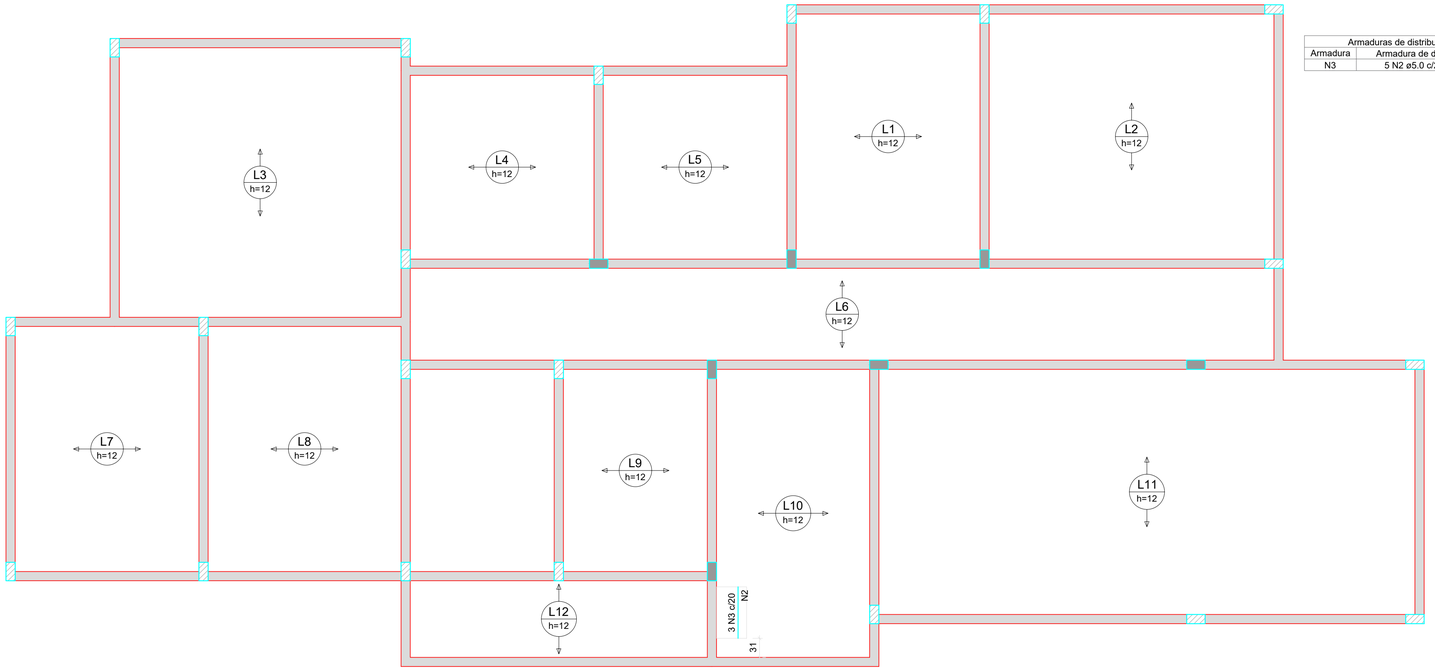
ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 13/20
REVISÃO 00	



Armaduras de distribuição	
Armadura	Armadura de distribuição
N1	3 N2 ø5.0 c/20 C=49
N1	3 N2 ø5.0 c/20 C=49

ARMAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO EDIFICAÇÃO PRINCIPAL (EIXO X)

Escala 1:50



Armaduras de distribuição	
Armadura	Armadura de distribuição
N3	5 N2 ø5.0 c/20 C=49

RELAÇÃO DO AÇO

Negativos X Negativos Y

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	6	54	324
	2	5.0	11	49	539
	3	5.0	3	84	252

RESUMO DO AÇO

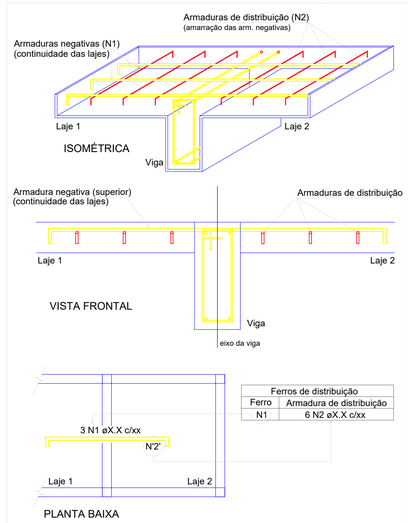
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA60	5.0	11.2	1.9
PESO TOTAL (kg)			
CA60	1.9		

Volume de concreto (C-25) = 0.00 m³
Área de forma = 0.00 m²

ARMAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO EDIFICAÇÃO PRINCIPAL (EIXO Y)

Escala 1:50

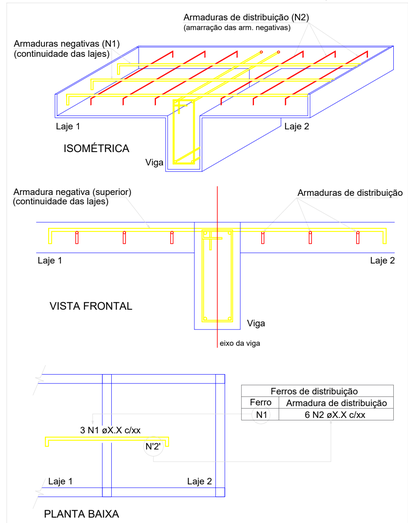
DETALHE DA ARMADURA SUPERIOR DE CONTINUIDADE DA LAJE E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



Ferros de distribuição	
Ferro	Armadura de distribuição
N1	6 N2 øX.X c/xx

NOTA: A ARMADURA DE DISTRIBUIÇÃO DAS CONTINUIDADES DEVE SER ININTERRUPTA E COM TRASPASSE (CASO HAJA EMENDAS).

DETALHE DA ARMADURA SUPERIOR DE CONTINUIDADE DA LAJE E MONTAGEM DA ARMADURA DE DISTRIBUIÇÃO



Ferros de distribuição	
Ferro	Armadura de distribuição
N1	6 N2 øX.X c/xx

NOTA: A ARMADURA DE DISTRIBUIÇÃO DAS CONTINUIDADES DEVE SER ININTERRUPTA E COM TRASPASSE (CASO HAJA EMENDAS).

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

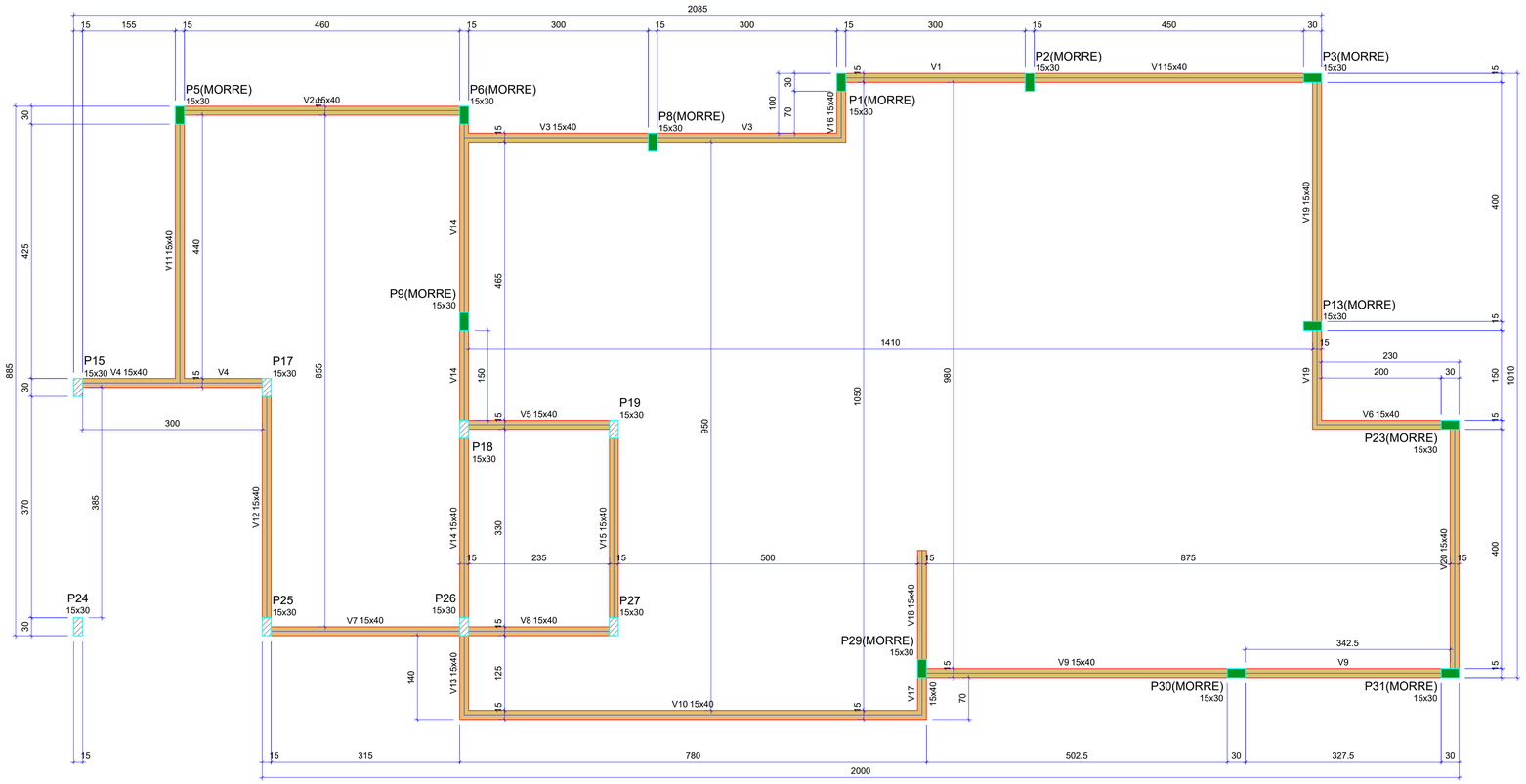
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

PAV TÉRREO

DOURADO ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 14/20
REVISÃO 00	



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x40	0	415
V2	15x40	0	415
V3	15x40	0	415
V4	15x40	0	415
V5	15x40	0	415
V6	15x40	0	415
V7	15x40	0	415
V8	15x40	0	415
V9	15x40	0	415
V10	15x40	0	415
V11	15x40	0	415
V12	15x40	0	415
V13	15x40	0	415
V14	15x40	0	415
V15	15x40	0	415
V16	15x40	0	415
V17	15x40	0	415
V18	15x40	0	415
V19	15x40	0	415
V20	15x40	0	415

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	415
P2	15x30	0	415
P3	15x30	0	415
P5	15x30	0	415
P6	15x30	0	415
P8	15x30	0	415
P9	15x30	0	415
P13	15x30	0	415
P15	15x30	0	415
P17	15x30	0	415
P18	15x30	0	415
P19	15x30	0	415
P23	15x30	0	415
P24	15x30	0	415
P25	15x30	0	415
P26	15x30	0	415
P27	15x30	0	415
P29	15x30	0	415
P30	15x30	0	415
P31	15x30	0	415

Legenda dos pilares	
	Pilar que morre
	Pilar que passa

Legenda das vigas e paredes	
	Viga

FORMA DO PAVIMENTO PLATIBANDA PRINCIPAL

Escala 1:50

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

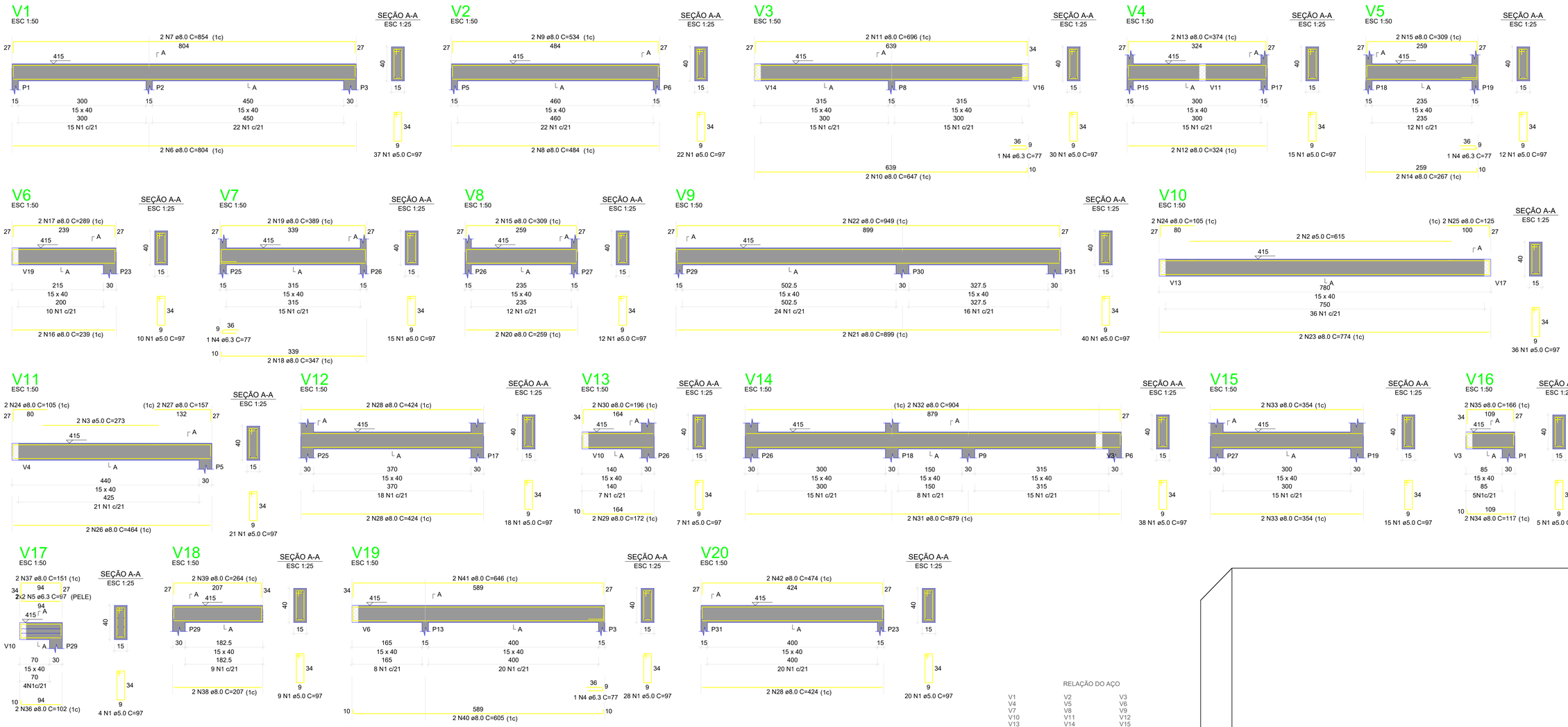
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

PLATIBANDA

DOURADO ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 15/20
REVISÃO 00	



RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	394	97	38218
	2	5.0	2	615	1230
	3	5.0	2	273	546
CA50	4	6.3	4	77	308
	5	6.3	4	97	388
	6	8.0	2	804	1608
	7	8.0	2	854	1708
	8	8.0	2	484	968
	9	8.0	2	534	1068
	10	8.0	2	647	1294
	11	8.0	2	696	1392
	12	8.0	2	324	648
	13	8.0	2	374	748
	14	8.0	2	267	534
	15	8.0	4	309	1236
	16	8.0	2	239	478
	17	8.0	2	289	578
	18	8.0	2	347	694
	19	8.0	2	389	778
	20	8.0	2	259	518
	21	8.0	2	899	1798
	22	8.0	2	949	1898
	23	8.0	2	774	1548
	24	8.0	4	105	420
	25	8.0	2	125	250
	26	8.0	2	464	928
	27	8.0	2	157	314
	28	8.0	6	424	2544
	29	8.0	2	172	344
	30	8.0	2	196	392
	31	8.0	2	879	1758
	32	8.0	2	904	1808
	33	8.0	4	354	1416
	34	8.0	2	117	234
	35	8.0	2	166	332
	36	8.0	2	102	204
	37	8.0	2	151	302
	38	8.0	2	207	414
	39	8.0	2	264	528
	40	8.0	2	605	1210
	41	8.0	2	646	1292
	42	8.0	2	474	948

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	7	1.9
	8.0	351.3	152.5
CA60	5.0	399.9	67.8

PESO TOTAL (kg)	
CA50	154.4
CA60	67.8

Volume de concreto (C-25) = 4.80 m³
Área de forma = 75.93 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

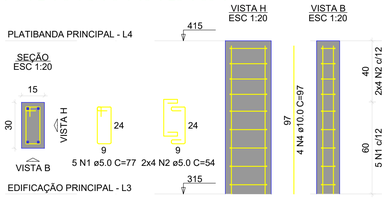
PLATIBANDA

DOURADO ENGENHARIA & ARQUITETURA

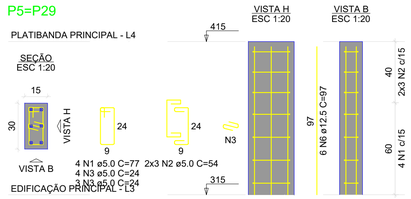
CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 16/20
REVISÃO 00	

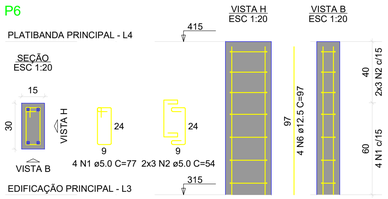
P1=P2=P3=P8=P9=P13=P23=P30=P31



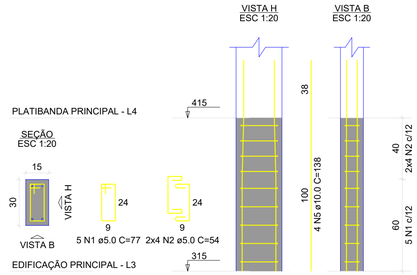
P5=P29



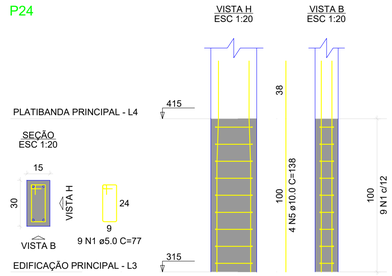
P6



P15=P17=P18=P19=P25=P26=P27



P24



RELAÇÃO DO AÇO

9xP1 2xP5 P6
7xP15 P24

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	101	77	7777
	2	5.0	146	54	7884
	3	5.0	14	24	336
CA50	4	10.0	36	97	3492
	5	10.0	32	138	4416
	6	12.5	16	97	1552

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	79.1	53.6
	12.5	15.5	16.4
CA60	5.0	160	27.1

PESO TOTAL (kg)	
CA50	70.1
CA60	27.1

Volume de concreto (C-25) = 0.90 m³
Área de forma = 18.00 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

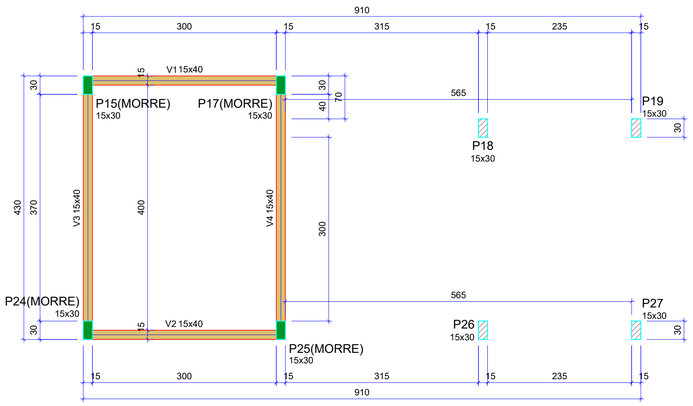
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

PLATIBANDA

DOURADO
ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 17/20
REVISÃO 00	



FORMA DO PAVIMENTO PLATIBANDA RECEPÇÃO

Escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x40	0	465
V2	15x40	0	465
V3	15x40	0	465
V4	15x40	0	465

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

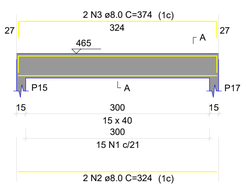
Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P15	15x30	0	465
P17	15x30	0	465
P18	15x30	0	465
P19	15x30	0	465
P24	15x30	0	465
P25	15x30	0	465
P26	15x30	0	465
P27	15x30	0	465

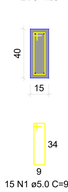
Legenda dos pilares	
	Pilar que morre
	Pilar que passa

Legenda das vigas e paredes	
	Viga

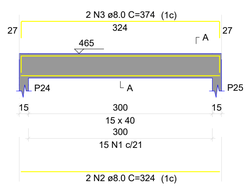
V1
ESC 1:50



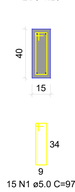
SEÇÃO A-A
ESC 1:25



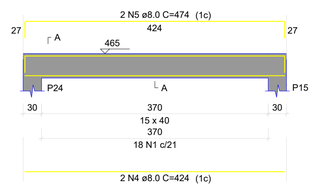
V2
ESC 1:50



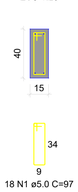
SEÇÃO A-A
ESC 1:25



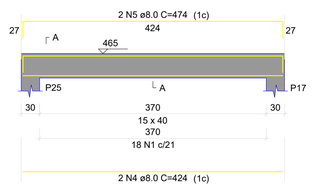
V3
ESC 1:50



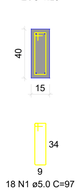
SEÇÃO A-A
ESC 1:25



V4
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

V1
V4

V2

V3

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	66	97	6402
CA50	2	8.0	4	324	1296
	3	8.0	4	374	1496
	4	8.0	4	424	1696
	5	8.0	4	474	1896

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	63.8	27.7
CA60	5.0	64	10.9

PESO TOTAL (kg)	
CA50	27.7
CA60	10.9

Volume de concreto (C-25) = 0.80 m³
Área de forma = 12.73 m²

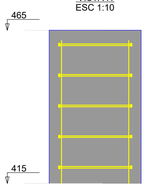
P15=P17=P24=P25

PLATIBANDA RECEPÇÃO - L5

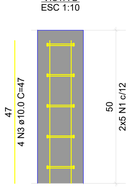
SEÇÃO
ESC 1:20

PLATIBANDA PRINCIPAL - L4

VISTA H
ESC 1:10



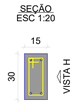
VISTA B
ESC 1:10



P18=P19=P26=P27

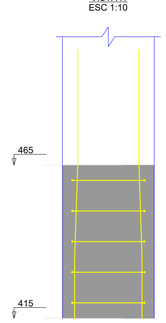
PLATIBANDA RECEPÇÃO - L5

SEÇÃO
ESC 1:20

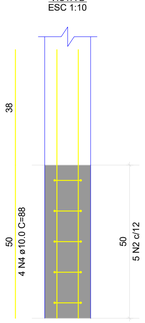


PLATIBANDA PRINCIPAL - L4

VISTA H
ESC 1:10



VISTA B
ESC 1:10



RELAÇÃO DO AÇO

4xP15

4xP18

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	40	54	2160
	2	5.0	20	77	1540
CA50	3	10.0	16	47	752
	4	10.0	16	88	1408

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	21.6	14.6
CA60	5.0	37	6.3

PESO TOTAL (kg)	
CA50	14.6
CA60	6.3

Volume de concreto (C-25) = 0.18 m³
Área de forma = 3.60 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

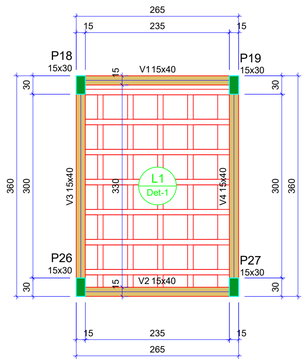
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

PLATIBANDA RECEPÇÃO

DOURADO
ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 18/20
REVISÃO 00	



FORMA DO PAVIMENTO PLATIBANDA CAIXA DÁGUA

Escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	15x40	0	540
V2	15x40	0	540
V3	15x40	0	540
V4	15x40	0	540

Lajes								
Dados						Sobrecarga (kgf/m²)		
Nome	Tipo	Altura (cm)	Elevação (cm)	Nível (cm)	Peso próprio (kgf/m²)	Adicional	Acidental	Localizada
L1	Treliçada 2D	12	0	540	168	155	0	-

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
250	241500

Dimensão máxima do agregado = 19 mm

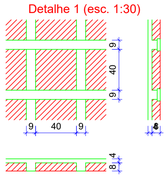
Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P18	15x30	0	540
P19	15x30	0	540
P26	15x30	0	540
P27	15x30	0	540

Legenda dos pilares	
	Pilar que morre

Legenda das vigas e paredes	
	Viga

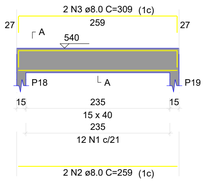
Blocos de enchimento						
Detalhe	Tipo	Nome	Dimensões(cm)			Quantidade
			hb	bx	by	
1	EPS Bidirecional	B8/40/40	8	40	40	35

Detalhe 1 (esc. 1:30)

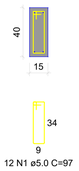


V1

ESC 1:50

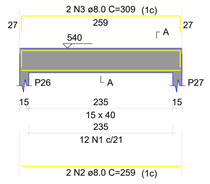


SEÇÃO A-A
ESC 1:25

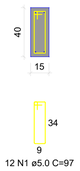


V2

ESC 1:50

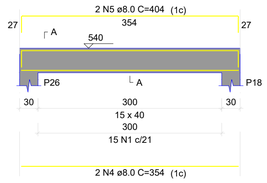


SEÇÃO A-A
ESC 1:25

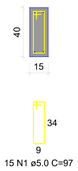


V3

ESC 1:50

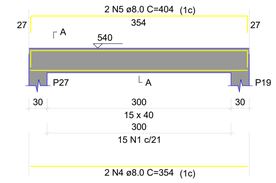


SEÇÃO A-A
ESC 1:25

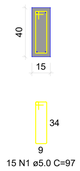


V4

ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

V1 V2 V3 V4

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	54	97	5238
CA50	2	8.0	4	259	1036
	3	8.0	4	309	1236
	4	8.0	4	354	1416
	5	8.0	4	404	1616

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	53	23
CA60	5.0	52.4	8.9

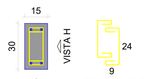
PESO TOTAL (kg)	
CA50	23
CA60	8.9

Volume de concreto (C-25) = 0.64 m³
Área de forma = 8.88 m²

P18=P19=P26=P27

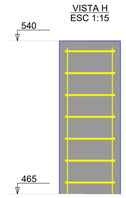
PLATIBANDA CAIXA DÁGUA - L6

SEÇÃO
ESC 1:20

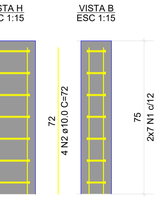


PLATIBANDA RECEPÇÃO - L5

VISTA H
ESC 1:15



VISTA B
ESC 1:15



RELAÇÃO DO AÇO

4xP18

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	56	54	3024
CA50	2	10.0	16	72	1152

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	11.5	7.8
CA60	5.0	30.2	5.1

PESO TOTAL (kg)	
CA50	7.8
CA60	5.1

Volume de concreto (C-25) = 0.13 m³
Área de forma = 2.70 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

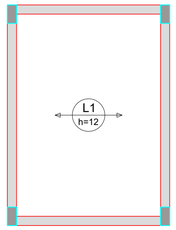
AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

PLATIBANDA CAIXA D'ÁGUA

DOURADO
ENGENHARIA & ARQUITETURA

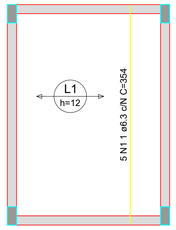
CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 19/20
REVISÃO 00	



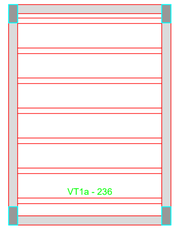
ARMAÇÃO POSITIVA DAS LAJES DO PAVIMENTO PLATIBANDA CAIXA DÁGUA (EIXO X)

Escala 1:50



ARMAÇÃO POSITIVA DAS LAJES DO PAVIMENTO PLATIBANDA CAIXA DÁGUA (EIXO Y)

Escala 1:50



PLANTA DE VIGOTAS PRÉ-MOLDADAS

Escala 1:50

RELAÇÃO DO AÇO

Positivos Y

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	5	354	1770

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	17.7	4.8

PESO TOTAL (kg)	
CA50	4.8

Volume de concreto (C-25) = 0.45 m³
Área de forma = 0.00 m²

PROJETO ESTRUTURAL

ENDEREÇO: Rua do Monjolo, Quadra 09, Area Institucional, Setor Oeste, Santa Terezinha de Goiás

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE SANTA TEREZINHA DE GOIÁS - GO - CPNJ: 01.137.116/0001-30

AUTOR DO PROJ.: ENG. CIVIL LORENA FATIMA SILVA CREA: 25.178/D-GO

PLATIBANDA CAIXA D'ÁGUA

DOURADO
ENGENHARIA & ARQUITETURA

CONTEÚDO:

ESCALA	DATA
INDICADA	OUT/2025
FOLHA A-1	PRANCHA: 20/20
REVISÃO 00	