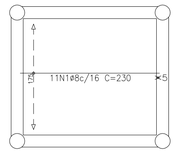


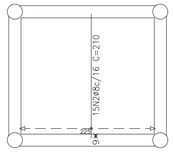
LOCALIZAÇÃO

Concreto: C25, em geral
Aço: CA-50-A e CA-60-B

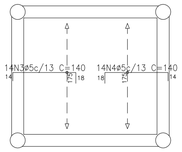
Observar os detalhes construtivos da prancha 02.



Armadura longitudinal inferior

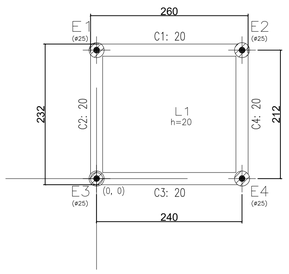


Armadura transversal inferior



Armadura longitudinal superior

- Micro-estacas Ø 250mm de 3.00m de profundidade.
  Armaduras= 4 Ø 10.0mm com 1.5m de comprimento.
  Esperas saindo 30 cm do fuste.

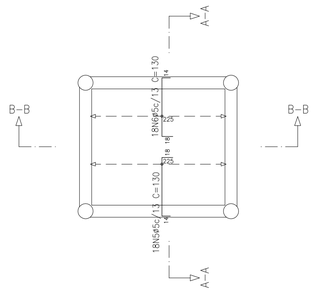


Implantação de pilares – Fundação			
Pilar	Dimensão (cm)	Coordenadas do centro	
		Coordenada X (cm)	Coordenada Y (cm)
E1	ø25	0	212
E2	ø25	240	212
E3	ø25	0	0
E4	ø25	240	0
Cota de arranque dos pilares: -1.75 m			

Consumo Estacas			
Elemento	Quantidade	Volume (m3)	Barras (kg)
Estacas 250mm	4	0.60	20

LOCAÇÃO

ESCALA:1/50



Armadura transversal superior

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
Armadura longitudinal inferior	1	ø8	11		230		230	2530	9.9	
							Total+10%:		10.9	
Armadura transversal inferior	2	ø8	15		210		210	3150	12.4	
							Total+10%:		13.6	
Armadura longitudinal superior	3	ø5	14	14	108	18	140	1960		3.1
	4	ø5	14	18	108	14	140	1960		3.1
							Total+10%:			6.8
Armadura transversal superior	5	ø5	18	14	98	18	130	2340		3.7
	6	ø5	18	18	98	14	130	2340		3.7
							Total+10%:			8.1
							ø5:		0.0	14.9
							ø8:		24.5	0.0
							Total:		24.5	14.9

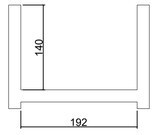
Fundação - Superfície total: 6.05 m2			
Elemento	Formas (m2)	Volume (m3)	Barras (kg)
LAJES	4.22	0.84	40
Vigas: fundo	1.63		
Forma lateral	1.69		
Cortinas	6.02	0.60	54
Pilares (Sup. Formas)	0.40	0.04	8
Total	13.96	1.48	102
Índices (por m2)	2.307	0.245	16.86

LAJES DE FUNDO

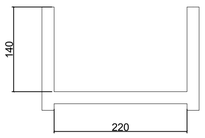
ESCALA:1/50 E CORTES 1/100

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
C1	1	ø16	4		VAR.		VAR.	860	13.5	
	2	ø5	32		VAR.		VAR.	6880		10.8
	3	ø10	22		68		68	1496	9.4	
	4	ø10	22	38	138		176	3872	24.3	
							Total+10%:		51.9	11.9
C2	5	ø16	4		VAR.		VAR.	908	14.3	
	6	ø5	32		VAR.		VAR.	7264		11.4
	7	ø10	24		68		68	1632	10.2	
	8	ø10	24	38	138		176	4224	26.5	
							Total+10%:		56.1	12.5
C4	9	ø16	4		VAR.		VAR.	908	14.3	
	10	ø5	32		VAR.		VAR.	7264		11.4
	11	ø10	24		68		68	1632	10.2	
	12	ø10	24	38	138		176	4224	26.5	
							Total+10%:		56.1	12.5
C3	13	ø16	4		VAR.		VAR.	860	13.5	
	14	ø5	32		VAR.		VAR.	6880		10.8
	15	ø10	22		68		68	1496	9.4	
	16	ø10	22	38	138		176	3872	24.3	
							Total+10%:		51.9	11.9
							ø5:		0.0	48.8
							ø10:		154.8	0.0
							ø16:		61.2	0.0
							Total:		216.0	48.8

Resumo Aço Muros de concreto armado		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø10	224.5	155	
	ø16	35.4	61	216
CA-60-B	ø5	282.9	49	49
Total				265



A-A



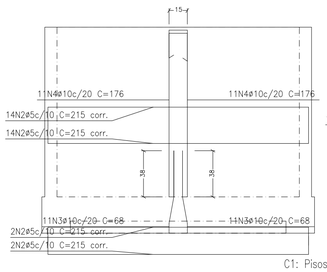
B-B

CORTES

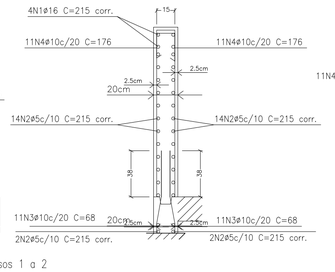
ESCALA:1/50

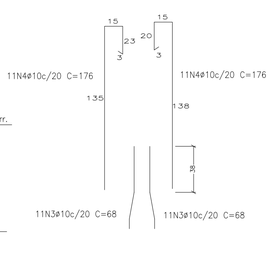
Consultar o fabricante do elevador, sobre dispositivos de segurança no fundo do poço do elevador.

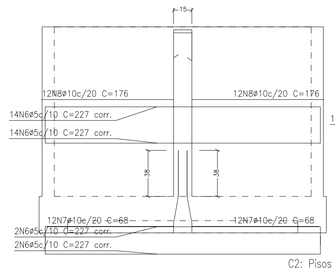
As formas deverão ser executadas conforme a NBR 15696, devendo o Responsável Técnico pela execução optar pelo material e método a ser empregado.
Concreto Estrutural Usinado, fck 25 MPa.



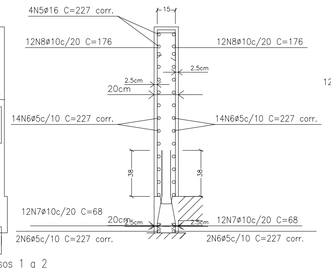
C1: Pisos 1 a 2

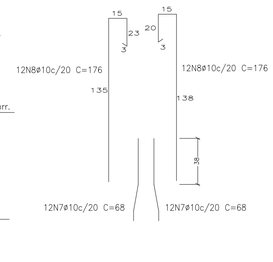


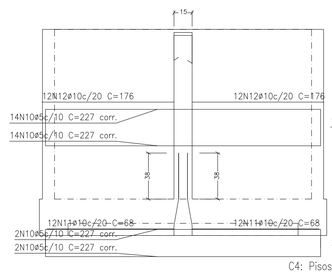




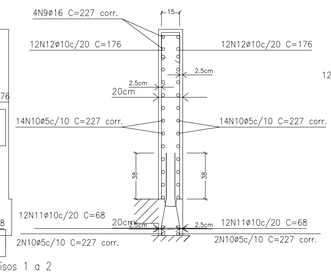
C2: Pisos 1 a 2

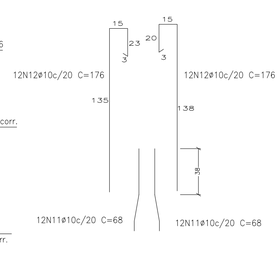


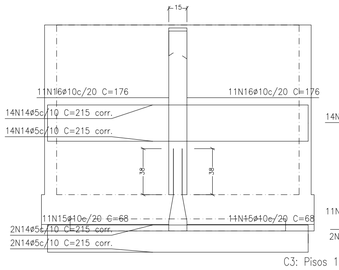




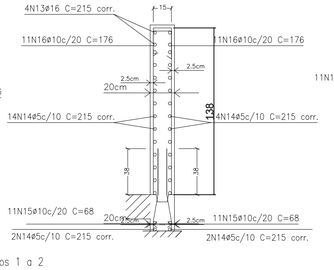
C4: Pisos 1 a 2

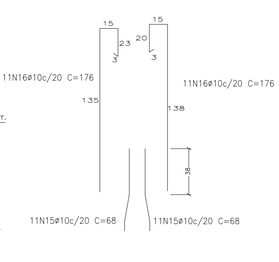






C3: Pisos 1 a 2





CORTINAS POÇO ELEVADOR 13 PASSAGEIROS

ESCALA:1/25

RESERVADO PARA APROVAÇÕES

ALTERAÇÃO	DATA	ASSUNTO

MEC - UFPEL - PROPLAN
PRÓ-REITORIA DE PLANEJAMENTO E DESENVOLVIMENTO
COORDENADORIA DE OBRAS E PLANEJAMENTO FÍSICO
Rua Gomes Carneiro nº1 - PELOTAS - RS - FONE: (53)3921 1201 E-MAIL: copf@ufpel.edu.br

Obra: GRANDE HOTEL
REFORMA E RESTAURO DA EDIFICAÇÃO

Prancha: 09/68-R03

Endereço: PRAÇA CORONEL PEDRO OSÓRIO, Nº 51 - PELOTAS - RIO GRANDE DO SUL

Projeto: PROJETO EXECUTIVO

Planta: ESTRUTURA ELEVADOR PARA 13 PESSOAS

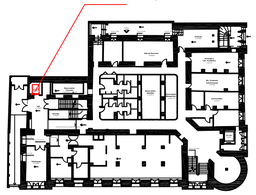
Escala: INDICADA

Data: ABRIL/ 2015

Identificação do desenho: 09- ELEVADOR PARA 13 PESSOAS E ACESSO R#3.dwg

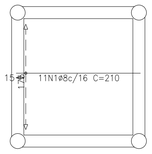
Autores do Projeto:
Engenheiro Civil Ronaldo Pasin CREA 90.041-D ART 7729112
Rua Egon Frederico Becker, nº 93, Porto Alegre, RS.
ronaldo.pasin@net.crea-rs.org.br
Colaboradores do Projeto:
João Alexandre e Patrícia Pasin

LOCALIZAÇÃO

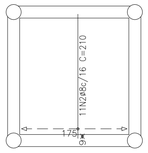


Concreto: C25, em geral
Aço: CA-50-A e CA-60-B

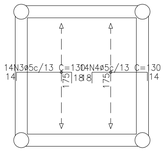
Observar os detalhes construtivos da prancha 02.



Armadura longitudinal inferior



Armadura transversal inferior



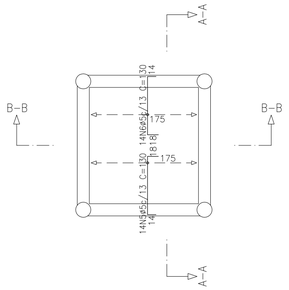
Armadura longitudinal superior

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
Armadura longitudinal inferior	1	ø8	11		210		210	2310	9.1	
							Total+10%:		10.0	
Armadura transversal inferior	2	ø8	11		210		210	2310	9.1	
							Total+10%:		10.0	
Armadura longitudinal superior	3	ø5	14	14	98	18	130	1820		2.9
	4	ø5	14	18	98	14	130	1820		2.9
							Total+10%:			6.4
Armadura transversal superior	5	ø5	14	14	98	18	130	1820		2.9
	6	ø5	14	18	98	14	130	1820		2.9
							Total+10%:			6.4
							ø5:		0.0	12.8
							ø8:		20.0	0.0
							Total:		20.0	12.8

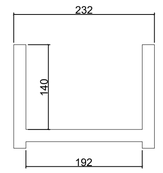
Micro-estacas Ø 250mm de 3.00m de profundidade.
Armaduras= 4 Ø 10.0mm com 1.5m de comprimento.
Esperas saindo 30 cm do fuste.

LAJES DE FUNDO

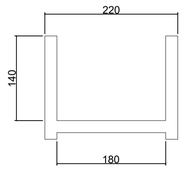
ESCALA:1/50 E CORTES 1/50



Armadura transversal superior



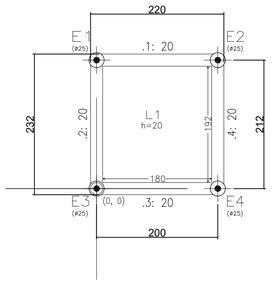
A-A



B-B

CORTES

ESCALA:1/50 E CORTES 1/50



Implantação de pilares – Fundação			
Pilar	Dimensão (cm)	Coordenadas do centro	
		Coordenada X (cm)	Coordenada Y (cm)
E1	ø25	0	212
E2	ø25	200	212
E3	ø25	0	0
E4	ø25	200	0
Cota de arranque dos pilares: -1.75 m			

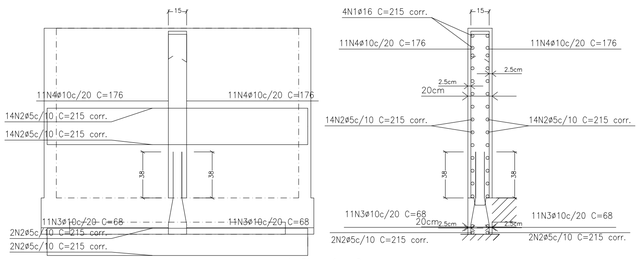
Consumo Estacas			
Elemento	Quantidade	Volume (m3)	Barras (kg)
Estacas 250mm	4	0.60	20

Fundação - Superfície total: 5.12 m2			
Elemento	Formas (m2)	Volume (m3)	Barras (kg)
LAJES	3.46	0.69	32
Vigas: fundo	1.46		
Forma lateral	1.53		
Cortinas	5.54	0.55	49
Pilares (Sup. Formas)	0.40	0.04	8
Total	12.39	1.28	89
Indices (por m2)	2.420	0.250	17.38

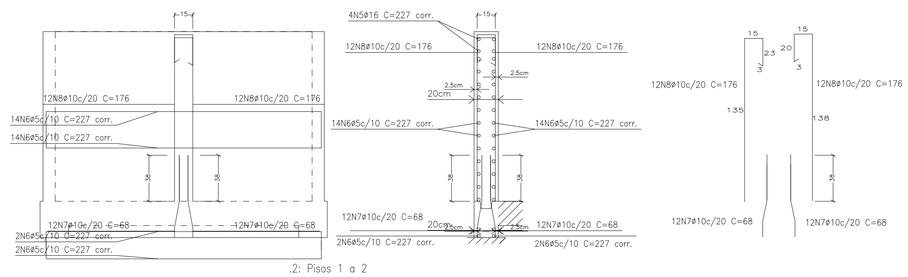
LOCAÇÃO

ESCALA:1/50

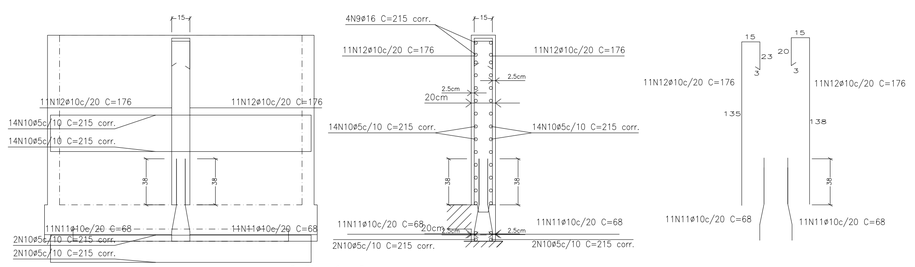
As formas deverão ser executadas conforme a NBR 15696, devendo o Responsável Técnico pela execução optar pelo material e método a ser empregado.
Concreto Estrutural Usinado, fck 25 MPa.



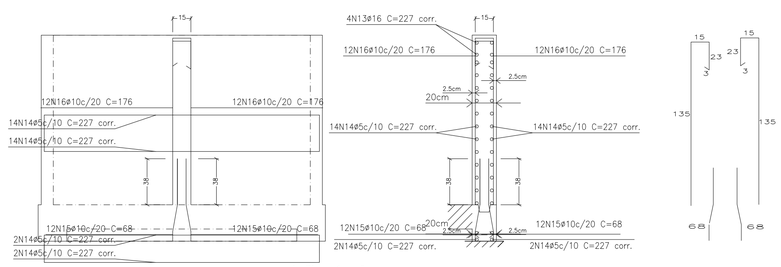
.1: Pisos 1 a 2



.2: Pisos 1 a 2



.3: Pisos 1 a 2



.4: Pisos 1 a 2

CORTINAS POÇO ELEVADOR 8 PASSAGEIROS

ESCALA:1/25

RESERVADO PARA APROVAÇÕES

ALTERAÇÃO	DATA	ASSUNTO

MEC - UFPEL - PROPLAN
PRÓ-REITORIA DE PLANEJAMENTO E DESENVOLVIMENTO
COORDENADORIA DE OBRAS E PLANEJAMENTO FÍSICO
Rua Gomes Carneiro nº1 - PELOTAS - RS - FONE: (53)3921 1201 E-MAIL: copf@ufpel.edu.br

Obra:
GRANDE HOTEL
REFORMA E RESTAURO DA EDIFICAÇÃO

Prancha:
10/68-R03

Endereço:
PRAÇA CORONEL PEDRO OSÓRIO, Nº 51 - PELOTAS - RIO GRANDE DO SUL

Projeto:
PROJETO EXECUTIVO

Planta:
ESTRUTURA ELEVADOR PARA 13 PESSOAS

Escala: INDICADA
Data: ABRIL/ 2015

Identificação do desenho:
10- ELEVADOR PARA 8 PESSOAS R#3.dwg

Autores do Projeto:
Engenheiro Civil Ronaldo Pasin CREA 90.041-D ART 7729112
Rua Egon Frederico Becker, nº 93, Porto Alegre, RS.
ronaldo.pasin@net.crea-rs.org.br

Colaboradores do Projeto:
João Alexandre e Patrícia Pasin

PASIN