

The drawing illustrates the roof structure of the 'Edificio de la Universidad' in Bogotá. The plan view at the top shows the layout of the roof with various structural elements and dimensions. Below the plan are five detailed cross-sections labeled 'Corte F8', 'Corte F9', 'Corte F10', 'Corte F11', and 'Corte F12'. Each cross-section shows the profile of the roof structure, including the concrete slab, steel reinforcement, and the supporting structure. The drawing is in Spanish and includes technical specifications for materials and dimensions.

Technical drawing of a 20x30x408mm extruded aluminum profile. The drawing includes a top view showing a 30mm wide profile with a 20mm wide central channel, a side view showing a 408mm long profile with a 20mm wide central channel, and a cross-section view showing a U-shaped profile with a 20mm wide base and a 30mm high side wall. The drawing is labeled with dimensions and part numbers: 20 N1 Ø 10 C=479, 20 N2 Ø 10 C=468, 20 N3 Ø 5 C=138, and 20 N3 Ø 5 C=138. The drawing is titled 'Corte A'.

Technical drawing of a double door assembly. The drawing includes a top elevation, a side elevation, and two cross-sections labeled 'Corte A' and 'Corte B'.

Top Elevation: Shows a double door with a total width of 403. The left door has a width of 201.5 (labeled as 2 N1 Ø 10 C=479). The right door has a width of 201.5 (labeled as 2 N2 Ø 10 C=446). The height is 14. The door is labeled '2x2 Ø 5'.

Side Elevation: Shows the side profile of the door with a height of 14. The door is labeled 'VH606' on the left and 'VH604' on the right. The door is labeled '2x2 Ø 5'.

Corte A: A cross-section showing the door's profile with a height of 9. The door is labeled '150'.

Corte B: A cross-section showing the door's profile with a height of 9. The door is labeled '150'.

Bottom Elevation: Shows the bottom profile of the door with a total width of 403. The left door has a width of 201.5 (labeled as 2 N3 Ø 6.3 C=150). The right door has a width of 201.5 (labeled as 2 N4 Ø 6.3 C=150). The height is 30. The door is labeled '2x2 N4 Ø 5 C=421'.

Technical drawing of a window frame showing two views: a top view and a side view labeled "Corte A".

The top view shows a rectangular frame with dimensions:

- Top edge: 20 N1 Ø 20 C=574
- Bottom edge: 20 N2 Ø 10 C=454
- Left side: 100
- Right side: 100
- Internal dimensions: 20 0 6.3 C/20 / N3 <386>
- Overall width: 94"

The side view (Corte A) shows the frame's profile with dimensions:

- Top edge: 15
- Bottom edge: 35
- Overall height: 94"

The drawing is labeled "Corte A" and "P805".

27 N7 Ø 6.3 C=190

RESUMO ACO GA 50-60			
ACO	BIT (mm)	CUMPR (m)	PESO (kg)
60B	5	61	10
50A	6,3	336	84
50A	8	153	61
50A	10	102	64
50A	12,5	62	62
50A	16	11	17
50A	20	92	237
Peso Total	60B =	10 kg	
Peso Total	50A =	529 kg	

- LAJES = 2,0 cm
- VIGAS E PILARES = 25,5 cm
- BLOCOS, BALDRAMES E CONTÊNCORES (FACE EM CONTATO COM A TERRA) = 3,0 cm

1. ESSES COBRIMENTOS DEVERÃO SER GARANTIDOS COM O USO DE ESPACADORES OU PASTILHAS.

COBRIMENTOS ESPECÍFICOS EM CONTRÁRIO AOS VALORES INDICADOS ACIMA, ESTÃO INDICADOS NOS DESENHOS FORMAS DAS PAVIMENTOS.

NBR-6118/2003 - PROJETO E EXECUCAO DE OBRAS DE CONCRETO ARMADO
NBR-6120/1980 - CARGAS PARA O CALCULO DE ESTRUTURAS DE EDIFICACOES

INDICE:
VH618, VH621 A VH627, VSEH601

FCK = 30 MPa
EC = 28 GPa
A/C = 0,65

(MÓDULO DE ELASTICIDADE SECANTE
ADS 28 DIAS).

(FATOR AGUA CIMENTO)

0	17/08/2010	EMISSAO INICIAL	
REV	DATA	DESCRICAO	
 Simetria Engenharia SIA QUADRA 4C No 51 SALAS 201 e 203 BRASILIA-DF CEP: 71200-045 FAX: (55) 31 3336-9633 simetria@simetria.eng.br			
PROJETO ESTRUTURAL			
CLIENTE:		DISCO INCORPORADORA E IMOBILIRIA LTDA	
OBRA:		EDIFICIO RESIDENCIAL DOLYMPIQUE	No OBRA: 001
ENDREÇO OBRA: SRIA AREA ESPECIAL 04 LOTES G e H - GUARA/DF			
DESCRICAO:			DESENHO No:
ARMAÇAO DAS VIGAS DO 15o PAVIMENTO TORRE D - JUNTA H (02/02)			375-XXX
DESENHISTA:	DATA:	ESCALA:	UNIDADE
TOS.J. HENRIQUE	17/08/2010	1:50	CM
ARQUIVO PLT:			No PROJ: SIMETRIA
421-EST-375-XXX-R00_PLT			421
PROPRIETARIO:		RESPONSAVEL TECNICO	
_____		_____	
RESPONSAVEL TECNICO PELO PROJETO ESTRUTURAL			
SIMETRIA ENGENHARIA E PROJETOS S/C LTDA CREA - 2725/RF			

