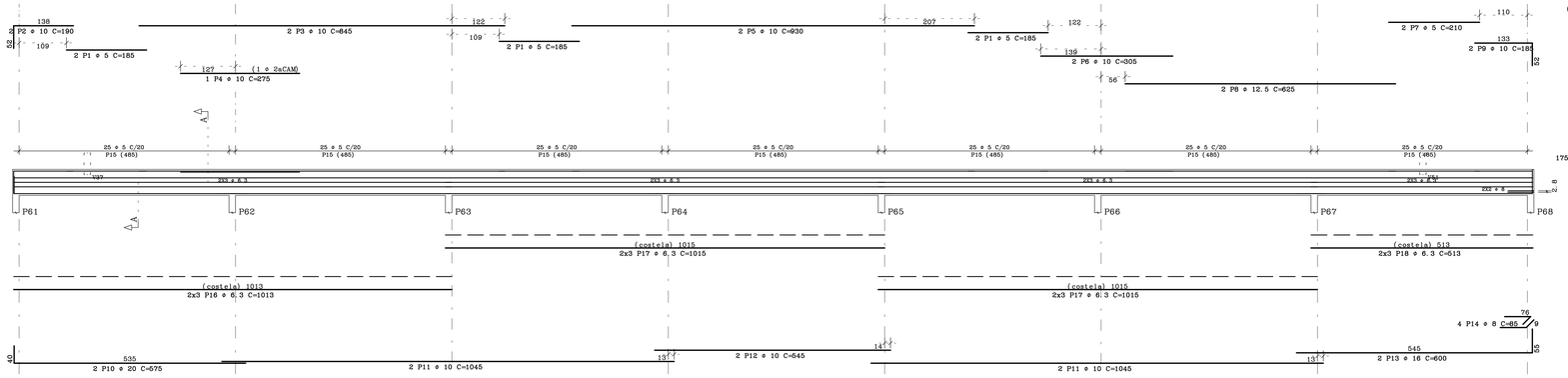
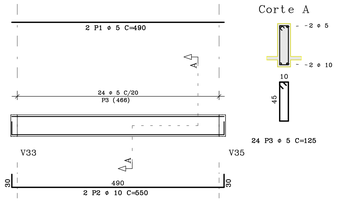
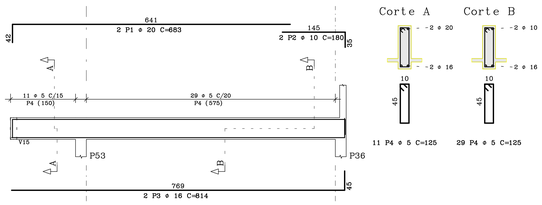
V14 15/60



V16 15/50

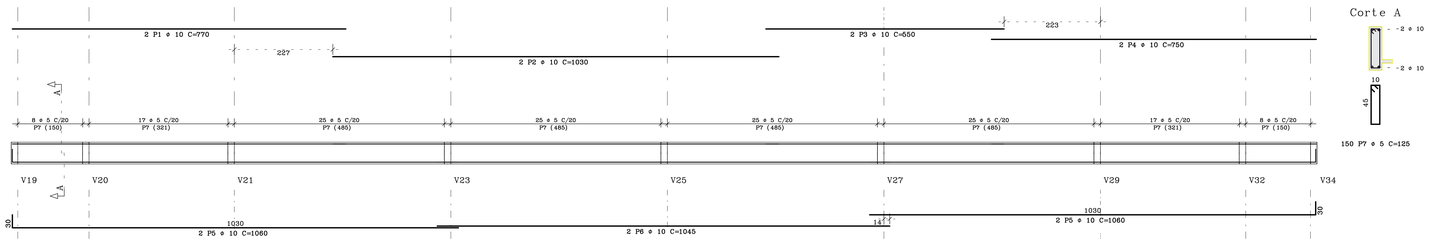


V21 15/50

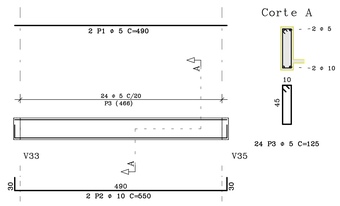


ACO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
V14					
60	1	5	6	185	1110
50A	2	10	2	190	380
50A	3	10	2	845	1690
50A	4	10	1	275	275
50A	5	10	2	930	1860
50A	6	10	2	305	610
60	7	5	2	210	420
50A	8	12.5	2	625	1250
50A	9	10	2	185	370
50A	10	20	2	575	1150
50A	11	10	4	1045	4180
50A	12	10	2	545	1090
50A	13	16	2	600	1200
50A	14	8	4	85	340
60	15	5	175	145	25375
50A	16	6.3	6	1013	6078
50A	17	6.3	12	1015	12180
50A	18	6.3	6	513	3078
V15					
50A	1	10	2	770	1540
50A	2	10	2	1030	2060
50A	3	10	2	550	1100
50A	4	10	2	750	1500
50A	5	10	4	1060	4240
50A	6	10	2	1045	2090
60	7	5	150	125	18750
V16					
60	1	5	2	490	980
50A	2	10	2	550	1100
60	3	5	24	125	3000
V17					
50A	1	10	4	750	3000
50A	2	10	4	1050	4200
50A	3	10	4	1060	4240
50A	4	10	2	1045	2090
50A	5	10	2	545	1090
60	6	5	174	125	21750
V18					
60	1	5	2	490	980
50A	2	10	2	550	1100
60	3	5	24	125	3000
V19					
60	1	5	4	210	840
50A	2	10	4	435	1740
50A	3	10	2	645	1290
50A	4	10	2	1055	2110
50A	5	10	2	780	1560
60	6	5	87	125	10875
V20					
50A	1	10	2	620	1240
50A	2	12.5	2	665	1330
50A	3	12.5	2	195	390
50A	4	10	2	620	1240
50A	5	10	2	1055	2110
50A	6	10	4	475	1900
50A	7	10	2	790	1580
60	8	5	89	125	11125
V21					
50A	1	20	2	683	1366
50A	2	10	2	180	360
50A	3	16	2	814	1628
60	4	5	40	125	5000
V22					
50A	1	20	2	682	1364
50A	2	10	2	180	360
50A	3	16	2	815	1630
60	4	5	40	125	5000
V23					
50A	1	20	2	682	1364
50A	2	10	2	180	360
50A	3	20	2	798	1596
60	4	5	47	125	5875
V24					
50A	1	20	2	682	1364
50A	2	10	2	180	360
50A	3	20	2	799	1598
60	4	5	47	125	5875

V15 15/50

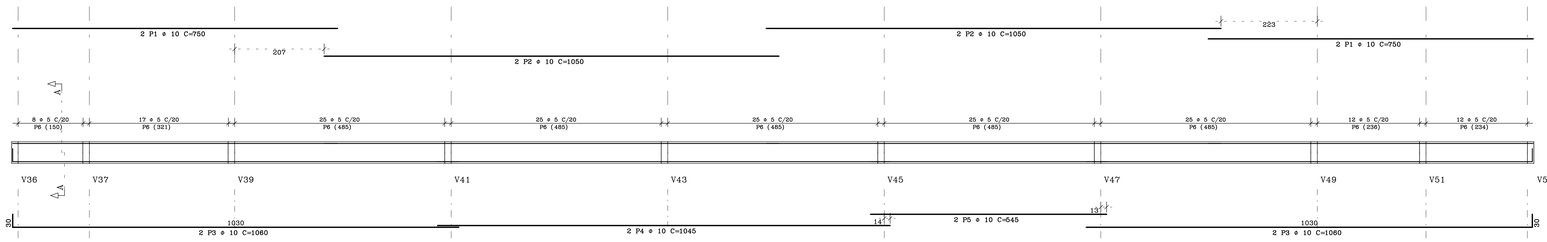


V18 15/50

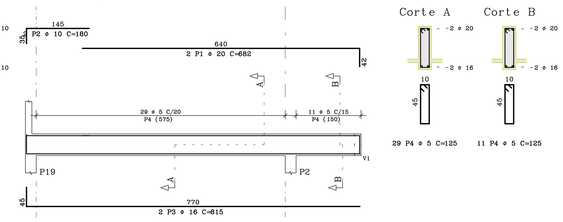


RESUMO ACO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
60	5	1200	192
50A	6.3	213	53
50A	8	3	1
50A	10	560	353
50A	12.5	30	30
50A	16	45	71
50A	20	98	245
Peso Total	60 =		192 kg
Peso Total	50A =		754 kg

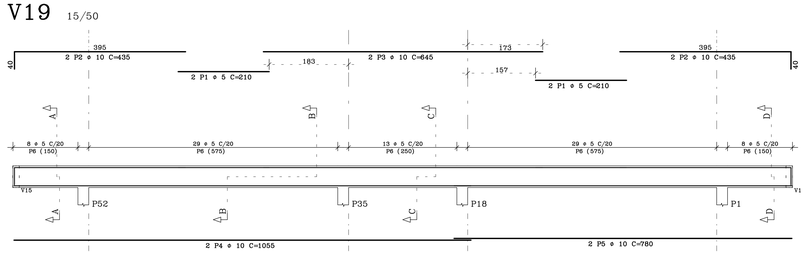
V17 15/50



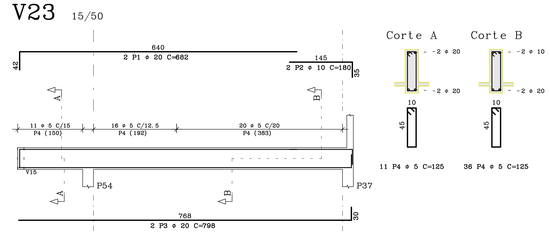
V22 15/50



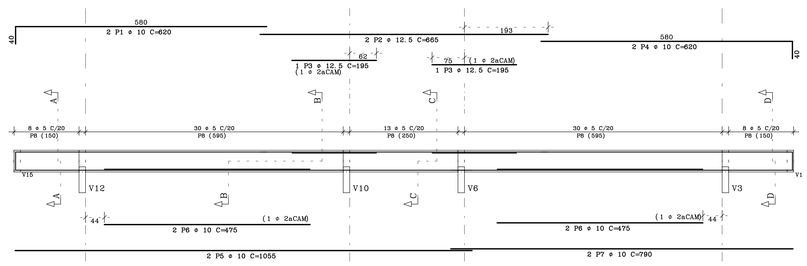
V19 15/50



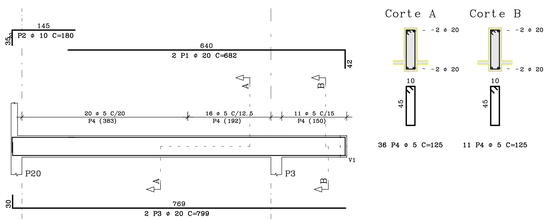
V23 15/50



V20 15/50



V24 15/50



REVISÃO	ALTERAÇÕES	DATA	VISTO
10			
09			
08			
07			
06			
05			
04			
03			
02			
01			

MEDIDAS EM CENTÍMETROS E NÍVEIS EM METROS | VERIFICAR MEDIDAS E NÍVEIS NA OBRA

PROPRIETÁRIO

PROJETO

RESPONSÁVEL PELA OBRA

OBRA

UNIVERSIDADE FEDERAL DE ALAGOAS
FACULDADE DE MEDICINA – BLOCO ADMINISTRATIVO
CAMPUS A.C. SIMÕES – TABULEIRO DOS MARTINS
MACEIO– ALAGOAS.

CLIENTE: *UFAL*

ESPÉCIE: *ARMAÇÕES DAS VIGAS DA COBERTA*

CONCRETO fck ≥ *25 MPa*

CALCULO ENG. CIVIL *RAMON LOC10* CREA *020468630-0*

DATA *09/10/2014* | ESCALA *INDICADA* | DESENHO *RAMON LOC10* | VISTO

CÓDIGO: COD. EMPREEND. FMA – ESPECIALIDADE EST – FASE PE – NUM. DESENHO 007/ – QUANT DESENHOS 000 – REVISÃO 00

G3 ENGENHARIA ESTRUTURAL LTDA ME C:\TQS\FAMED-ADMINISTRATIVO\DESATIVADOS\FAMED-ADMINISTRATIVO07.PLT 09/10/2014 21:06:29