



ACO	POS	BIT	QUANT	COMPIMENTO	UNIT
		(mm)		(cm)	(total)
<b>V144+V145</b> (X10)					
5SA	1	10	20	435	9100
5SA	1	10	15	435	9100
5SA	3	12.5	10	85	850
5SA	4	8	5	120	1400
6SB	5	5	250	95	23250
<b>V149+V150</b> (X2)					
6SB	1	5	4	355	1420
6SB	2	10	800	265	2400
5SA	3	10	4	350	1400
5SA	4	10	700	100	1200
5SA	5	10	4	325	1300
5SA	6	10	800	85	1400
5SA	7	10	2	570	110
5SA	8	12.5	5	160	120
5SA	9	10	400	1600	
6SB	10	5	312	82	1400
6SB	11	5	122	862	10344
6SB	12	5	284	5408	
6SB	13	5	134	105	22110
<b>V151+V152</b> (X2)					
5SA	2	8	4	519	2076
5SA	2	20	4	735	2940
6SB	2	10	3	160	200
5SA	4	16	2	865	3860
5SA	5	16	2	630	1220
5SA	6	16	2	286	3
5SA	6	6.3	12	1070	10440
6SB	7	5	180	180	34200
<b>V152+V155</b> (X2)					
5SA	1	10	4	1625	4100
5SA	2	10	285	285	1770
5SA	2	6.3	4	393	1572
5SA	3	10	160	550	1440
5SA	4	16	160	550	1440
5SA	5	16	4	605	2420
5SA	6	16	4	605	2420
5SA	8	8	4	1035	4100
6SB	9	5	125	8500	
6SB	10	5	86	125	10750
<b>V153</b>					
5SA	1	8	2	541	1082
5SA	2	10	8	715	3140
5SA	3	16	1	545	545
5SA	4	16	1	545	545
5SA	5	16	2	865	1920
5SA	6	16	2	865	1920
5SA	7	6.3	6	288	1770
6SB	8	5	870	1770	2220
6SB	9	5	95	180	17100
<b>V156+V174</b> (X2)					
5SA	2	8.3	4	740	2960
5SA	3	8.3	4	1105	4420
5SA	4	8.3	4	1105	4420
6SB	5	5	8	389	3112
6SB	6	5	5	158	1212
6SB	7	5	95	145	13340
<b>V157+V172</b> (X2)					
5SA	2	12.5	4	755	2940
5SA	3	12.5	4	755	2940
5SA	3	6.3	4	599	1596
5SA	4	12.5	4	755	2940
5SA	5	12.5	2	160	320
5SA	6	12.5	2	160	320
5SA	7	10	10	860	3840
6SB	8	8	5	126	1512
6SB	9	5	122	381	4572
6SB	10	5	12	538	6556
6SB	11	5	126	155	19350
<b>V171+V183</b> (X2)					
5SA	2	12.5	4	660	2640
5SA	3	12.5	4	660	2640
5SA	3	12.5	2	160	320
5SA	4	12.5	2	160	320
5SA	5	10	4	395	1580
6SB	6	5	12	217	2744
6SB	7	5	12	359	4068
<b>V183+V189+V167</b> (X3)					
5SA	2	12.5	6	645	3078
5SA	2	12.5	6	586	3516
5SA	3	12.5	6	125	1500
5SA	4	10	9	300	2700
5SA	4	8	800	360	8400
5SA	6	6.3	69	125	8625
6SB	7	5	125	125	15000

RESUMO ACO CA 50-60			
ACO	BIT (mm)	COMPR (m)	PESO (kg)
50A	6,3	341	85
50A	8	330	132
50A	10	402	253
50A	12,5	128	128
50A	16	128	205
50A	20	103	258
60B	5	2993	335
Peso Total	50A =		1061 kg
Peso Total	60B =		335 kg

- ### NOTAS
- DIMENSÕES EM cm
  - VER DEFINIÇÃO DA ELEVACÃO (0,0)
  - OBSERVAR DEMAIS PROJETOS PARA EXECUÇÃO
  - INFORMAR AO PROJETISTA DA ESTRUTURA QUALQUER ALTERAÇÃO NA CONCEPÇÃO ARQUITETÔNICA PARA REALISAR
  - ADOPTAR PROCEDIMENTOS DE ESCORAMENTO, MOLDAGEM, LANÇAMENTO, CURA E DESFORMA DE ACORDO COM AS RECOMENDAÇÕES DAS NORMAS TÉCNICAS BRASILEIRAS
  - COBRIMENTO: VIGAS 2 cm

## PROJETO ESTRUTURAL

CONCRETO	ACQ	VERIFICAR MEDIDAS E NÍVEIS NA OBRA	0050
fck = 250 kgf/cm2 (25MPa)	VER TABELA		
CLIENTE	UNIVERSIDADE FEDERAL DE ALAGOAS		DES. N.º
OBRA	SEDE DO CENTRO DE CIENCIAS JURIDICAS		19
TITULO	ARMACAO DE VIGAS		
V144=V146= . . . =V148=V150=V159			
V160=V162=V164=V166=V168=V170=V172=V174=V176=V178=V180=V182=V184=V186=V188=V190=V192=V194=V196=V198=V200=V202=V204=V206=V208=V210=V212=V214=V216=V218=V220=V222=V224=V226=V228=V230=V232=V234=V236=V238=V240=V242=V244=V246=V248=V250=V252=V254=V256=V258=V260=V262=V264=V266=V268=V270=V272=V274=V276=V278=V280=V282=V284=V286=V288=V290=V292=V294=V296=V298=V300=V302=V304=V306=V308=V310=V312=V314=V316=V318=V320=V322=V324=V326=V328=V330=V332=V334=V336=V338=V340=V342=V344=V346=V348=V350=V352=V354=V356=V358=V360=V362=V364=V366=V368=V370=V372=V374=V376=V378=V380=V382=V384=V386=V388=V390=V392=V394=V396=V398=V400=V402=V404=V406=V408=V410=V412=V414=V416=V418=V420=V422=V424=V426=V428=V430=V432=V434=V436=V438=V440=V442=V444=V446=V448=V450=V452=V454=V456=V458=V460=V462=V464=V466=V468=V470=V472=V474=V476=V478=V480=V482=V484=V486=V488=V490=V492=V494=V496=V498=V500=V502=V504=V506=V508=V510=V512=V514=V516=V518=V520=V522=V524=V526=V528=V530=V532=V534=V536=V538=V540=V542=V544=V546=V548=V550=V552=V554=V556=V558=V560=V562=V564=V566=V568=V570=V572=V574=V576=V578=V580=V582=V584=V586=V588=V590=V592=V594=V596=V598=V600=V602=V604=V606=V608=V610=V612=V614=V616=V618=V620=V622=V624=V626=V628=V630=V632=V634=V636=V638=V640=V642=V644=V646=V648=V650=V652=V654=V656=V658=V660=V662=V664=V666=V668=V670=V672=V674=V676=V678=V680=V682=V684=V686=V688=V690=V692=V694=V696=V698=V700=V702=V704=V706=V708=V710=V712=V714=V716=V718=V720=V722=V724=V726=V728=V730=V732=V734=V736=V738=V740=V742=V744=V746=V748=V750=V752=V754=V756=V758=V760=V762=V764=V766=V768=V770=V772=V774=V776=V778=V780=V782=V784=V786=V788=V790=V792=V794=V796=V798=V800=V802=V804=V806=V808=V810=V812=V814=V816=V818=V820=V822=V824=V826=V828=V830=V832=V834=V836=V838=V840=V842=V844=V846=V848=V850=V852=V854=V856=V858=V860=V862=V864=V866=V868=V870=V872=V874=V876=V878=V880=V882=V884=V886=V888=V890=V892=V894=V896=V898=V900=V902=V904=V906=V908=V910=V912=V914=V916=V918=V920=V922=V924=V926=V928=V930=V932=V934=V936=V938=V940=V942=V944=V946=V948=V950=V952=V954=V956=V958=V960=V962=V964=V966=V968=V970=V972=V974=V976=V978=V980=V982=V984=V986=V988=V990=V992=V994=V996=V998=V1000=V1002=V1004=V1006=V1008=V1010=V1012=V1014=V1016=V1018=V1020=V1022=V1024=V1026=V1028=V1030=V1032=V1034=V1036=V1038=V1040=V1042=V1044=V1046=V1048=V1050=V1052=V1054=V1056=V1058=V1060=V1062=V1064=V1066=V1068=V1070=V1072=V1074=V1076=V1078=V1080=V1082=V1084=V1086=V1088=V1090=V1092=V1094=V1096=V1098=V1100=V1102=V1104=V1106=V1108=V1110=V1112=V1114=V1116=V1118=V1120=V1122=V1124=V1126=V1128=V1130=V1132=V1134=V1136=V1138=V1140=V1142=V1144=V1146=V1148=V1150=V1152=V1154=V1156=V1158=V1160=V1162=V1164=V1166=V1168=V1170=V1172=V1174=V1176=V1178=V1180=V1182=V1184=V1186=V1188=V1190=V1192=V1194=V1196=V1198=V1200=V1202=V1204=V1206=V1208=V1210=V1212=V1214=V1216=V1218=V1220=V1222=V1224=V1226=V1228=V1230=V1232=V1234=V1236=V1238=V1240=V1242=V1244=V1246=V1248=V1250=V1252=V1254=V1256=V1258=V1260=V1262=V1264=V1266=V1268=V1270=V1272=V1274=V1276=V1278=V1280=V1282=V1284=V1286=V1288=V1290=V1292=V1294=V1296=V1298=V1300=V1302=V1304=V1306=V1308=V1310=V1312=V1314=V1316=V1318=V1320=V1322=V1324=V1326=V1328=V1330=V1332=V1334=V1336=V1338=V1340=V1342=V1344=V1346=V1348=V1350=V1352=V1354=V1356=V1358=V1360=V1362=V1364=V1366=V1368=V1370=V1372=V1374=V1376=V1378=V1380=V1382=V1384=V1386=V1388=V1390=V1392=V1394=V1396=V1398=V1400=V1402=V1404=V1406=V1408=V1410=V1412=V1414=V1416=V1418=V1420=V1422=V1424=V1426=V1428=V1430=V1432=V1434=V1436=V1438=V1440=V1442=V1444=V1446=V1448=V1450=V1452=V1454=V1456=V1458=V1460=V1462=V1464=V1466=V1468=V1470=V1472=V1474=V1476=V1478=V1480=V1482=V1484=V1486=V1488=V1490=V1492=V1494=V1496=V1498=V1500=V1502=V1504=V1506=V1508=V1510=V1512=V1514=V1516=V1518=V1520=V1522=V1524=V1526=V1528=V1530=V1532=V1534=V1536=V1538=V1540=V1542=V1544=V1546=V1548=V1550=V1552=V1554=V1556=V1558=V1560=V1562=V1564=V1566=V1568=V1570=V1572=V1574=V1576=V1578=V1580=V1582=V1584=V1586=V1588=V1590=V1592=V1594=V1596=V1598=V1600=V1602=V1604=V1606=V1608=V1610=V1612=V1614=V1616=V1618=V1620=V1622=V1624=V1626=V1628=V1630=V1632=V1634=V1636=V1638=V1640=V1642=V1644=V1646=V1648=V1650=V1652=V1654=V1656=V1658=V1660=V1662=V1664=V1666=V1668=V1670=V1672=V1674=V1676=V1678=V1680=V1682=V1684=V1686=V1688=V1690=V1692=V1694=V1696=V1698=V1700=V1702=V1704=V1706=V1708=V1710=V1712=V1714=V1716=V1718=V1720=V1722=V1724=V1726=V1728=V1730=V1732=V1734=V1736=V1738=V1740=V1742=V1744=V1746=V1748=V1750=V1752=V1754=V1756=V1758=V1760=V1762=V1764=V1766=V1768=V1770=V1772=V1774=V1776=V1778=V1780=V1782=V1784=V1786=V1788=V1790=V1792=V1794=V1796=V1798=V1800=V1802=V1804=V1806=V1808=V1810=V1812=V1814=V1816=V1818=V1820=V1822=V1824=V1826=V1828=V1830=V1832=V1834=V1836=V1838=V1840=V1842=V1844=V1846=V1848=V1850=V1852=V1854=V1856=V1858=V1860=V1862=V1864=V1866=V1868=V1870=V1872=V1874=V1876=V1878=V1880=V1882=V1884=V1886=V1888=V1890=V1892=V1894=V1896=V1898=V1900=V1902=V1904=V1906=V1908=V1910=V1912=V1914=V1916=V1918=V1920=V1922=V1924=V1926=V1928=V1930=V1932=V1934=V1936=V1938=V1940=V1942=V1944=V1946=V1948=V1950=V1952=V1954=V1956=V1958=V1960=V1962=V1964=V1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2=V3634=V3636=V3638=V3640=V3642=V3644=V3646=V3648=V3650=V3652=V3654=V3656=V3658=V3660=V3662=V3664=V3666=V3668=V3670=V3672=V3674=V3676=V3678=V3680=V3682=V3684=V3686=V3688=V3690=V3692=V3694=V3696=V3698=V3700=V3702=V3704=V3706=V3708=V3710=V3712=V3714=V3716=V3718=V3720=V3722=V3724=V3726=V3728=V3730=V3732=V3734=V3736=V3738=V3740=V3742=V3744=V3746=V3748=V3750=V3752=V3754=V3756=V3758=V3760=V3762=V3764=V3766=V3768=V3770=V3772=V3774=V3776=V3778=V3780=V3782=V3784=V3786=V3788=V3790=V3792=V3794=V3796=V3798=V3800=V3802=V3804=V3806=V3808=V3810=V3812=V3814=V3816=V3818=V3820=V3822=V3824=V3826=V3828=V3830=V3832=V3834=V3836=V3838=V3840=V3842=V3844=V3846=V3848=V3850=V3852=V3854=V3856=V3858=V3860=V3862=V3864=V3866=V3868=V3870=V3872=V3874=V3876=V3878=V3880=V3882=V3884=V3886=V3888=V3890=V3892=V3894=V3896=V3898=V3900=V3902=V3904=V3906=V3908=V3910=V3912=V3914=V3916=V3918=V3920=V3922=V3924=V3926=V3928=V3930=V3932=V3934=V3936=V3938=V3940=V3942=V3944=V3946=V3948=V3950=V3952=V3954=V3956=V3958=V3960=V3962=V3964=V3966=V3968=V3970=V3972=V3974=V3976=V3978=V3980=V3982=V3984=V3986=V3988=V3990=V3992=V3994=V3996=V3998=V4000=V4002=V4004=V4006=V4008=V4010=V4012=V4014=V4016=V4018=V4020=V4022=V4024=V4026=V4028=V4030=V4032=V4034=V4036=V4038=V4040=V4042=V4044=V4046=V4048=V4050=V4052=V4054=V4056=V4058=V4060=V4062=V4064=V4066=V4068=V4070=V4072=V4074=V4076=V4078=V4080=V4082=V4084=V4086=V4088=V4090=V4092=V4094=V4096=V4098=V4100=V4102=V4104=V4106=V4108=V4110=V4112=V4114=V4116=V4118=V4120=V4122=V4124=V4126=V4128=V4130=V4132=V4134=V4136=V4138=V4140=V4142=V4144=V4146=V4148=V4150=V4152=V4154=V4156=V4158=V4160=V4162=V4164=V4166=V4168=V4170=V4172=V4174=V4176=V4178=V4180=V4182=V4184=V4186=V4188=V4190=V4192=V4194=V4196=V4198=V4200=V4202=V4204=V4206=V4208=V4210=V4212=V4214=V4216=V4218=V4220=V4222=V4224=V4226=V4228=V4230=V4232=V4234=V4236=V4238=V4240=V4242=V4244=V4246=V4248=V4250=V4252=V4254=V4256=V4258=V4260=V4262=V4264=V4266=V4268=V4270=V4272=V4274=V4276=V4278=V4280=V4282=V4284=V4286=V4288=V4290=V4292=V4294=V4296=V4298=V4300=V4302=V4304=V4306=V4308=V4310=V4312=V4314=V4316=V4318=V4320=V4322=V4324=V4326=V4328=V4330=V4332=V4334=V4336=V4338=V4340=V4342=V4344=V434			