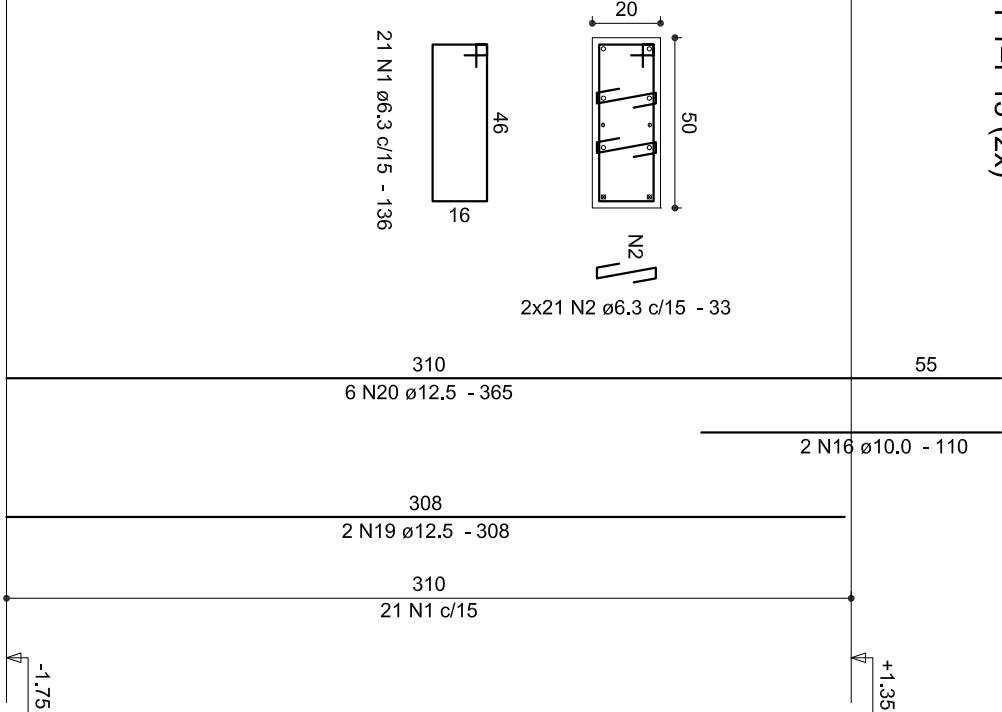
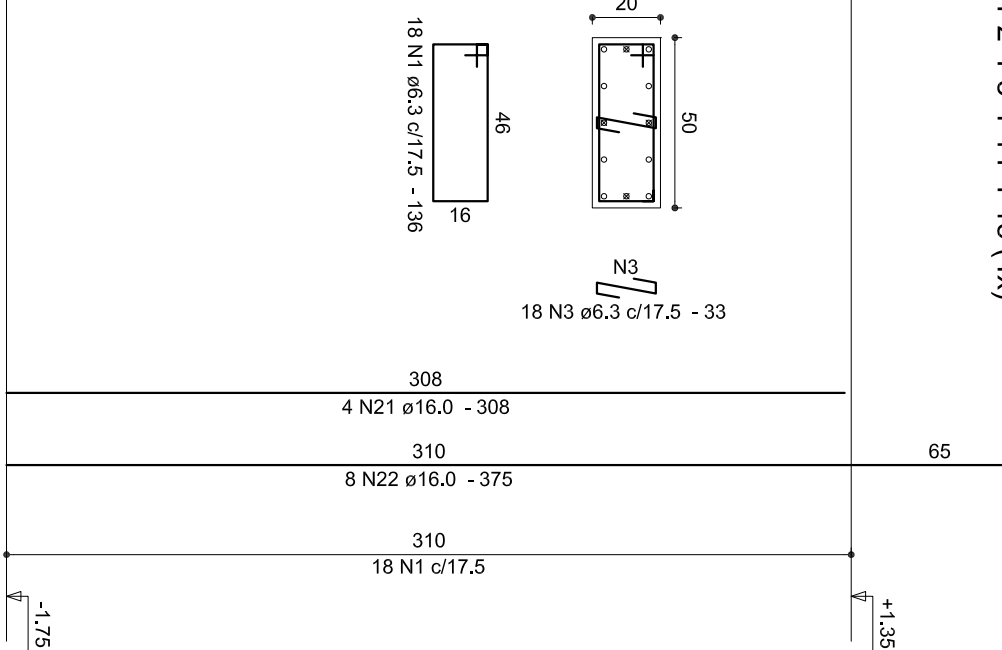


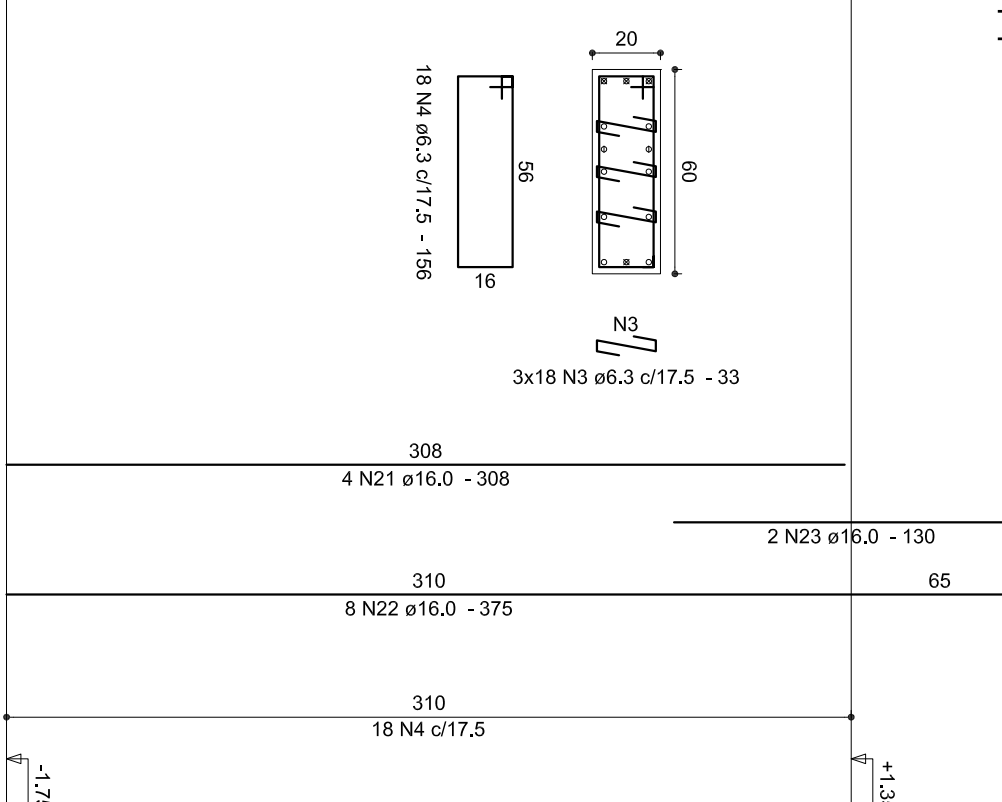
P1=P13 (2x)



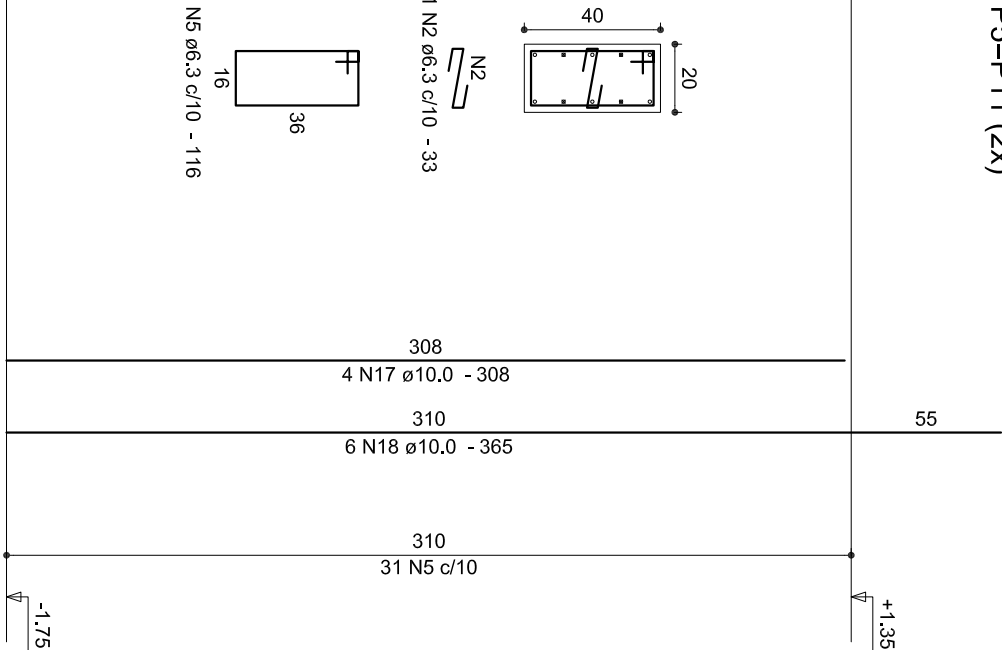
P2=P3=P14=P15 (4x)



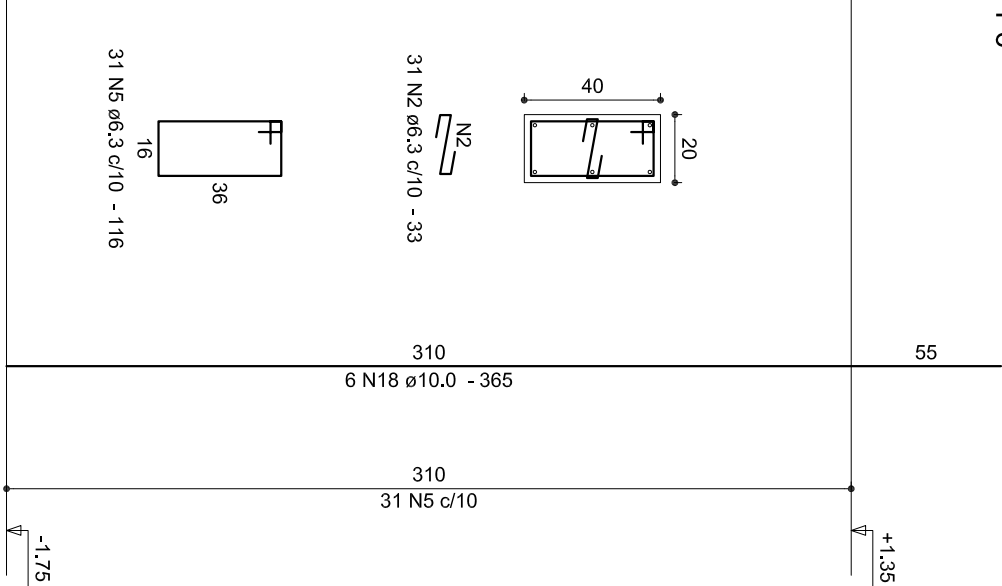
P4



P5=P11 (2x)



P6



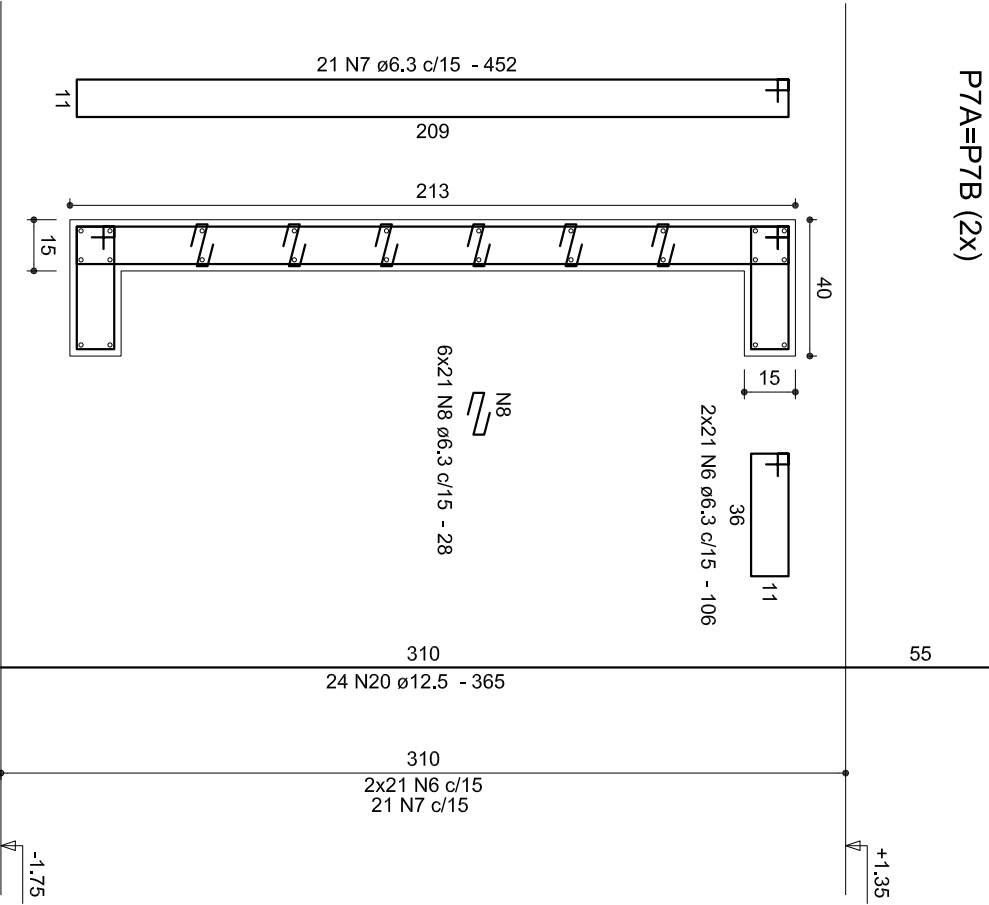
RELAÇÃO DO AÇO

ACO	N	DIAM	Q	UNIT	C.TOTAL
CA60	1	6.3	114	138	15604
	2	6.3	177	33	5841
	3	6.3	177	33	5841
	4	6.3	18	158	2898
	5	6.3	114	116	13224
	6	6.3	84	108	8894
	7	6.3	252	58	14688
	8	6.3	36	188	7056
	9	6.3	162	42	6894
	10	6.3	18	218	3888
	11	6.3	8	178	1422
	12	6.3	73	78	5548
	13	6.3	31	178	5456
	14	8.0	31	34	1054
	15	8.0	11	308	3896
	16	10.0	12	365	6570
	17	10.0	18	365	6570
	18	12.5	48	308	14784
	19	12.5	29	308	8832
	20	16.0	29	308	28875
	21	16.0	77	375	650
	22	16.0	14	385	5390
	23	20.0	5	130	650

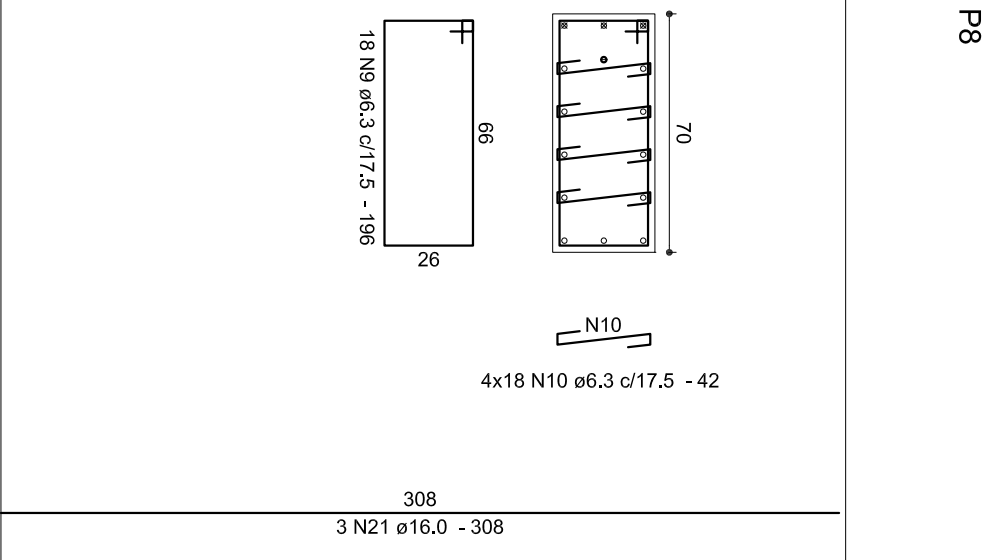
RESUMO DOS MATERIAIS

ACO	DIAM	C.TOTAL	PESO
CA60	6.3	1086.2	288
	8.0	65.1	25.7
	10.0	384.1	96.5
	12.5	384.6	607
	16.0	53.9	132.9
PESO TOTAL			53.9
Vol. de concreto = 124 m³			
Vol. de forma = 127.27 m³			
CA60	1481.1		

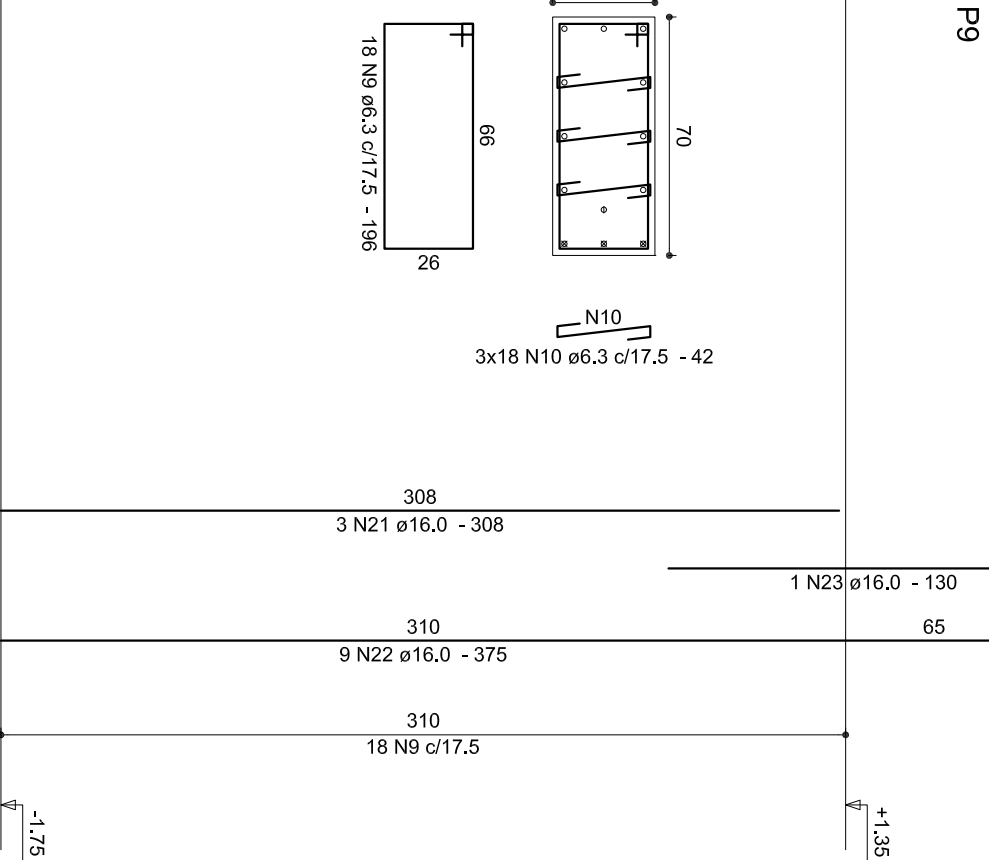
P7A=P7B (2x)



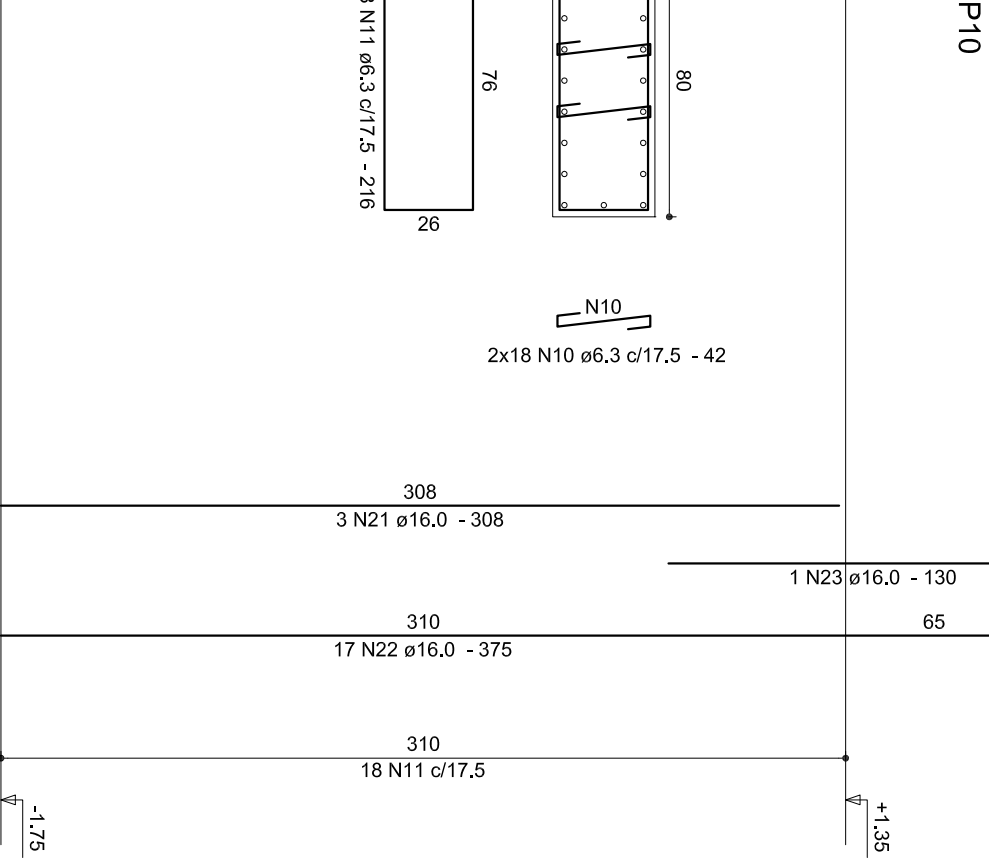
P8



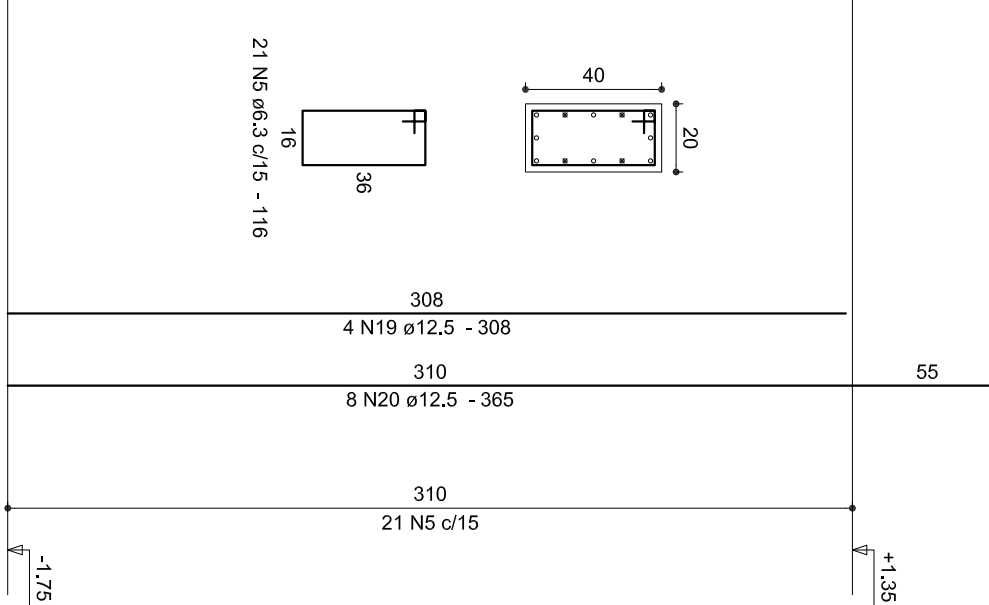
P9



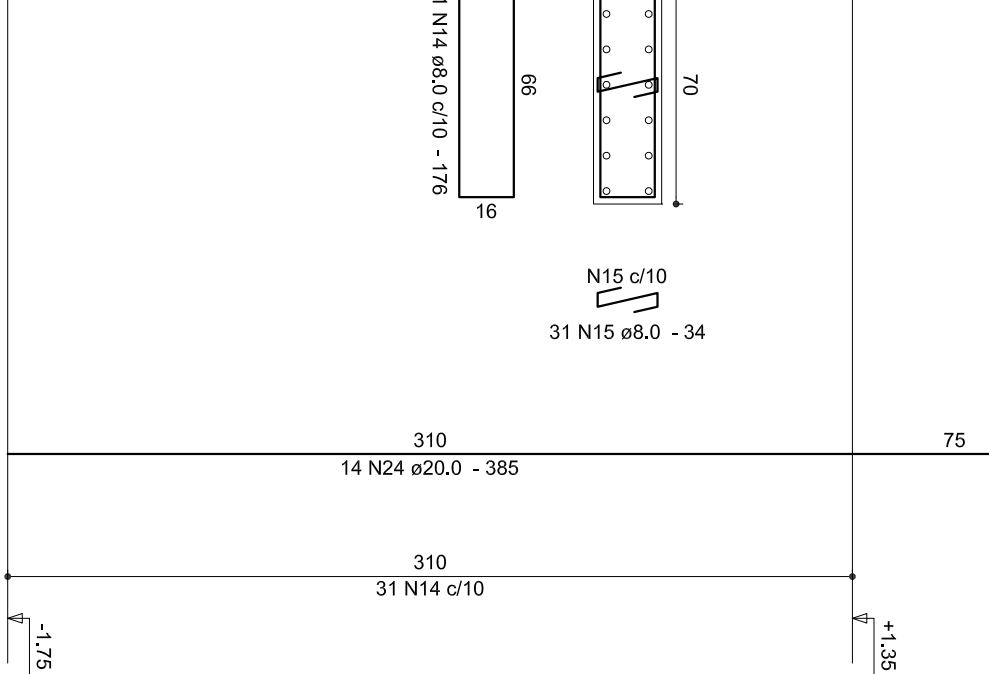
P10



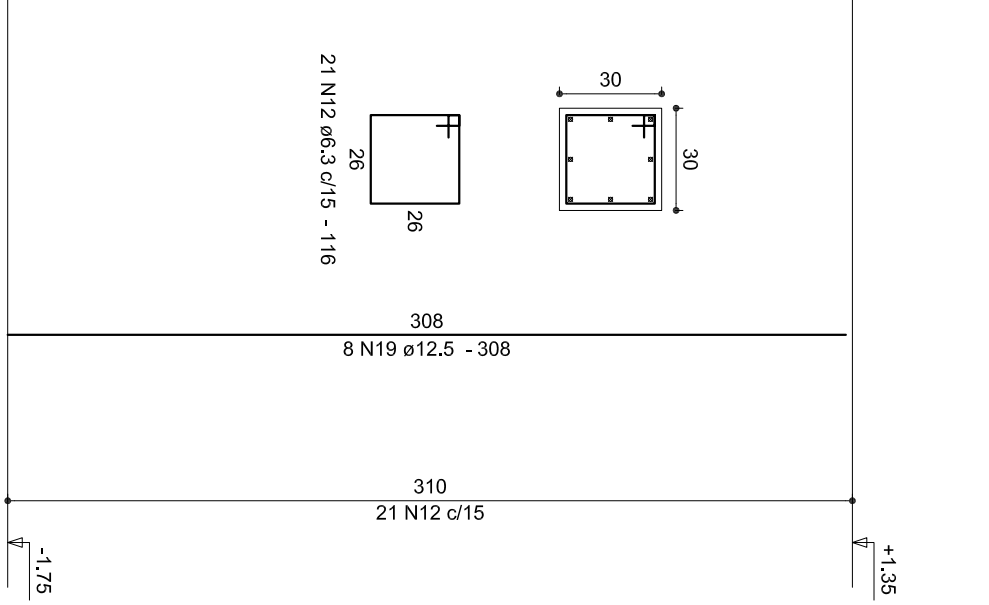
P12



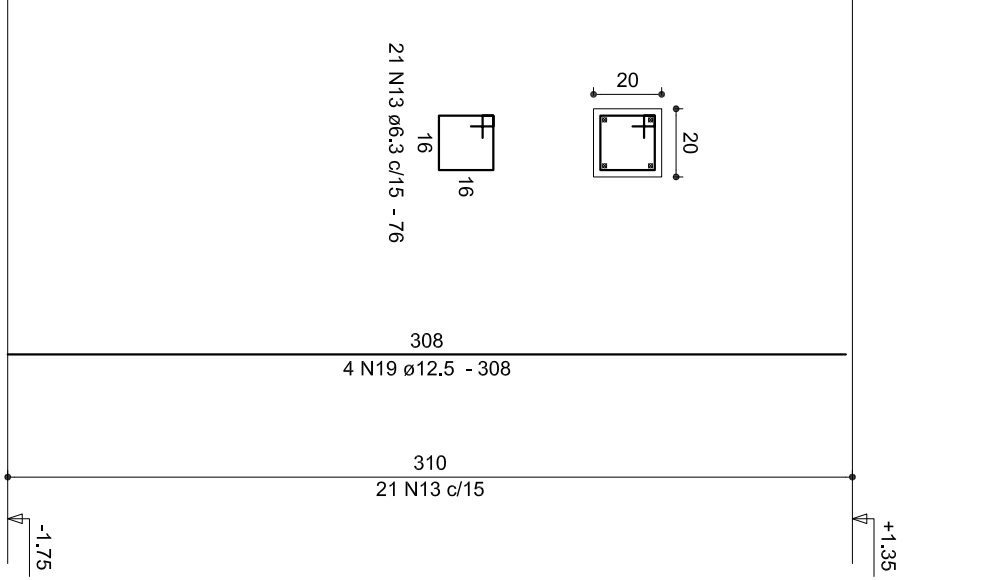
P16



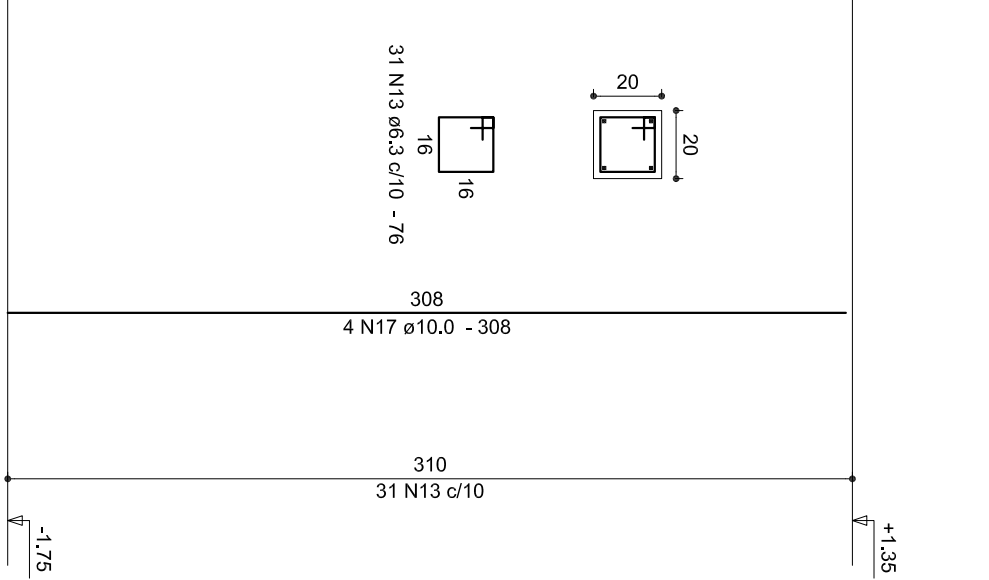
P101=P103=P105=P107 (4x)



P104=P106 (2x)



P108



Anotações:

DIAMETRO DO AÇO: 6.3, 8.0, 10.0, 12.5, 16.0, 20.0, 25.0, 32.0, 36.0, 40.0, 45.0, 50.0, 56.0, 63.0, 70.0, 76.0, 80.0, 86.0, 92.0, 100.0, 108.0, 116.0, 125.0, 132.0, 140.0, 148.0, 156.0, 164.0, 172.0, 180.0, 188.0, 196.0, 204.0, 212.0, 220.0, 228.0, 236.0, 244.0, 252.0, 260.0, 268.0, 276.0, 284.0, 292.0, 300.0, 308.0, 316.0, 324.0, 332.0, 340.0, 348.0, 356.0, 364.0, 372.0, 380.0, 388.0, 396.0, 404.0, 412.0, 420.0, 428.0, 436.0, 444.0, 452.0, 460.0, 468.0, 476.0, 484.0, 492.0, 500.0, 508.0, 516.0, 524.0, 532.0, 540.0, 548.0, 556.0, 564.0, 572.0, 580.0, 588.0, 596.0, 604.0, 612.0, 620.0, 628.0, 636.0, 644.0, 652.0, 660.0, 668.0, 676.0, 684.0, 692.0, 700.0, 708.0, 716.0, 724.0, 732.0, 740.0, 748.0, 756.0, 764.0, 772.0, 780.0, 788.0, 796.0, 804.0, 812.0, 820.0, 828.0, 836.0, 844.0, 852.0, 860.0, 868.0, 876.0, 884.0, 892.0, 900.0, 908.0, 916.0, 924.0, 932.0, 940.0, 948.0, 956.0, 964.0, 972.0, 980.0, 988.0, 996.0, 1004.0, 1012.0, 1020.0, 1028.0, 1036.0, 1044.0, 1052.0, 1060.0, 1068.0, 1076.0, 1084.0, 1092.0, 1100.0, 1108.0, 1116.0, 1124.0, 1132.0, 1140.0, 1148.0, 1156.0, 1164.0, 1172.0, 1180.0, 1188.0, 1196.0, 1204.0, 1212.0, 1220.0, 1228.0, 1236.0, 1244.0, 1252.0, 1260.0, 1268.0, 1276.0, 1284.0, 1292.0, 1300.0, 1308.0, 1316.0, 1324.0, 1332.0, 1340.0, 1348.0, 1356.0, 1364.0, 1372.0, 1380.0, 1388.0, 1396.0, 1404.0, 1412.0, 1420.0, 1428.0, 1436.0, 1444.0, 1452.0, 1460.0, 1468.0, 1476.0, 1484.0, 1492.0, 1500.0, 1508.0, 1516.0, 1524.0, 1532.0, 1540.0, 1548.0, 1556.0, 1564.0, 1572.0, 1580.0, 1588.0, 1596.0, 1604.0, 1612.0, 1620.0, 1628.0, 1636.0, 1644.0, 1652.0, 1660.0, 1668.0, 1676.0, 1684.0, 1692.0, 1700.0, 1708.0, 1716.0, 1724.0, 1732.0, 1740.0, 1748.0, 1756.0, 1764.0, 1772.0, 1780.0, 1788.0, 1796.0, 1804.0, 1812.0, 1820.0, 1828.0, 1836.0, 1844.0, 1852.0, 1860.0, 1868.0, 1876.0, 1884.0, 1892.0, 1900.0, 1908.0, 1916.0, 1924.0, 1932.0, 1940.0, 1948.0, 1956.0, 1964.0, 1972.0, 1980.0, 1988.0, 1996.0, 2004.0, 2012.0, 2020.0, 2028.0, 2036.0, 2044.0, 2052.0, 2060.0, 2068.0, 2076.0, 2084.0, 2092.0, 2100.0, 2108.0, 2116.0, 2124.0, 2132.0, 2140.0, 2148.0, 2156.0, 2164.0, 2172.0, 2180.0, 2188.0, 2196.0, 2204.0, 2212.0, 2220.0, 2228.0, 2236.0, 2244.0, 2252.0, 2260.0, 2268.0, 2276.0, 2284.0, 2292.0, 2300.0, 2308.0, 2316.0, 2324.0, 2332.0, 2340.0, 2348.0, 2356.0, 2364.0, 2372.0, 2380.0, 2388.0, 2396.0, 2404.0, 2412.0, 2420.0, 2428.0, 2436.0, 2444.0, 2452.0, 2460.0, 2468.0, 2476.0, 2484.0, 2492.0, 2500.0, 2508.0, 2516.0, 2524.0, 2532.0, 2540.0, 2548.0, 2556.0, 2564.0, 2572.0, 2580.0, 2588.0, 2596.0, 2604.0, 2612.0, 2620.0, 2628.0, 2636.0, 2644.0, 2652.0, 2660.0, 2668.0, 2676.0, 2684.0, 2692.0, 2700.0, 2708.0, 2716.0, 2724.0, 2732.0, 2740.0, 2748.0, 2756.0, 2764.0, 2772.0, 2780.0, 2788.0, 2796.0, 2804.0, 2812.0, 2820.0, 2828.0, 2836.0, 2844.0, 2852.0, 2860.0, 2868.0, 2876.0, 2884.0, 2892.0, 2900.0, 2908.0, 2916.0, 2924.0, 2932.0, 2940.0, 2948.0, 2956.0, 2964.0, 2972.0, 2980.0, 2988.0, 2996.0, 3004.0, 3012.0, 3020.0, 3028.0, 3036.0, 3044.0, 3052.0, 3060.0, 3068.0, 3076.0, 3084.0, 3092.0, 3100.0, 3108.0, 3116.0, 3124.0, 3132.0, 3140.0, 3148.0, 3156.0, 3164.0, 3172.0, 3180.0, 3188.0, 3196.0, 3204.0, 3212.0, 3220.0, 3228.0, 3236.0, 3244.0, 3252.0, 3260.0, 3268.0, 3276.0, 3284.0, 3292.0, 3300.0, 3308.0, 3316.0, 3324.0, 3332.0, 3340.0, 3348.0, 3356.0, 3364.0, 3372.0, 3380.0, 3388.0, 3396.0, 3404.0, 3412.0, 3420.0, 3428.0, 3436.0, 3444.0, 3452.0, 3460.0, 3468.0, 3476.0, 3484.0, 3492.0, 3500.0, 3508.0, 3516.0, 3524.0, 3532.0, 3540.0, 3548.0, 3556.0, 3564.0, 3572.0, 3580.0, 3588.0, 3596.0, 3604.0, 3612.0, 3620.0, 3628.0, 3636.0, 3644.0, 3652.0, 3660.0, 3668.0, 3676.0, 3684.0, 3692.0, 3700.0, 3708.0, 3716.0, 3724.0, 3732.0, 3740.0, 3748.0, 3756.0, 3764.0, 3772.0, 3780.0, 3788.0, 3796.0, 3804.0, 3812.0, 3820.0, 3828.0, 3836.0, 3844.0, 3852.0, 3860.0, 3868.0, 3876.0, 3884.0, 3892.0, 3900.0, 3908.0, 3916.0, 3924.0, 3932.0, 3940.0, 3948.0, 3956.0, 3964.0, 3972.0, 3980.0, 3988.0, 3996.0, 4004.0, 4012.0, 4020.0, 4028.0, 4036.0, 4044.0, 4052.0, 4060.0, 4068.0, 4076.0, 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5084.0, 5092.0, 5100.0, 5108.0, 5116.0, 5124.0, 5132.0, 5140.0, 5148.0, 5156.0, 5164.0, 5172.0, 5180.0, 5188.0, 5196.0, 5204.0, 5212.0, 5220.0, 5228.0, 5236.0, 5244.0, 5252.0, 5260.0, 5268.0, 5276.0, 5284.0, 5292.0, 5300.0, 5308.0, 5316.0, 5324.0, 5332.0, 5340.0, 5348.0, 5356.0, 5364.0, 5372.0, 5380.0, 5388.0, 5396.0, 5404.0, 5412.0, 5420.0, 5428.0, 5436.0, 5444.0, 5452.0, 5460.0, 5468.0, 5476.0, 5484.0, 5492.0, 5500.0, 5508.0, 5516.0, 5524.0, 5532.0, 5540.0, 5548.0, 5556.0, 5564.0, 5572.0, 5580.0, 5588.0, 5596.0, 5604.0, 5612.0, 5620.0, 5628.0, 5636.0, 5644.0, 5652.0, 5660.0, 5668.0, 5676.0, 5684.0, 5692.0, 5700.0, 5708.0, 5716.0, 5724.0, 5732.0, 5740.0, 5748.0, 5756.0, 5764.0, 5772.0, 5780.0, 5788.0, 5796.0, 5804.0, 5812.0, 5820.0, 5828.0, 5836.0, 5844.0, 5852.0, 5860.0, 5868.0, 5876.0, 5884.0, 5892.0, 5900.0, 5908.0, 5916.0, 5924.0, 5932.0, 5940.0, 5948.0, 5956.0, 5964.0, 5972.0, 5980.0, 5988.0, 5996.0, 6004.0, 6012.0, 6020.0, 6028.0, 6036.0, 6044.0, 6052.0, 6060.0, 6068.0, 6076.0, 6084.0, 6092.0, 6100.0, 6108.0, 6116.0, 6124.0, 6132.0, 6140.0, 6148.0, 6156.0, 6164.0, 6172.0, 6180.0, 6188.0, 6196.0, 6204.0, 6212.0, 6220.0, 6228.0, 6236.0, 6244.0, 6252.0, 6260.0, 6268.0, 6276.0, 6284.0, 6292.0, 6300.0, 6308.0, 6316.0, 6324.0, 6332.0, 6340.0, 6348.0, 6356.0, 6364.0, 6372.0, 6380.0, 6388.0, 6396.0, 6404.0, 6412.0, 6420.0, 6428.0, 6436.0, 6444.0, 6452.0, 6460.0, 6468.0, 6476.0, 6484.0, 6492.0, 6500.0, 6508.0, 6516.0, 6524.0, 6532.0, 6540.0, 6548.0, 6556.0, 6564.0, 6572.0, 6580.0, 6588.0, 6596.0, 6604.0, 6612.0, 6620.0, 6628.0, 6636.0, 6644.0, 6652.0, 6660.0, 6668.0, 6676.0, 6684.0, 6692.0, 6700.0, 6708.0, 6716.0, 6724.0, 6732.0, 6740.0, 6748.0, 6756.0, 6764.0, 6772.0, 6780.0, 6788.0, 6796.0, 6804.0, 6812.0, 6820.0, 6828.0, 6836.0, 6844.0, 6852.0, 6860.0, 6868.0, 6876.0, 6884.0, 6892.0, 6900.0, 6908.0, 6916.0, 6924.0, 6932.0, 6940.0, 6948.0, 6956.0, 6964.0, 6972.0, 6980.0, 6988.0, 6996.0, 7004.0, 7012.0, 7020.0, 7028.0, 7036.0, 7044.0, 7052.0, 7060.0, 7068.0, 7076.0, 7084.0, 7092.0, 7100.0, 7108.0, 7116.0, 7124.0, 7132.0, 7140.0, 7148.0, 7156.0, 7164.0, 7172.0, 7180.0, 7188.0, 7196.0, 7204.0, 7212.0, 7220.0, 7228.0, 7236.0, 7244.0, 7252.0, 7260.0, 7268.0, 7276.0, 7284.0, 7292.0, 7300.0, 7308.0, 7316.0, 7324.0, 7332.0, 7340.0, 7348.0, 7356.0, 7364.0, 7372.0, 7380.0, 7388.0, 7396.0, 7404.0, 7412.0, 7420.0, 7428.0, 7436.0, 7444.0, 7452.0, 7460.0, 7468.0, 7476.0, 7484.0, 7492.0, 7500.0, 7508.0, 7516.0, 7524.0, 7532.0, 7540.0, 7548.0, 7556.0, 7564.0, 7572.0, 7580.0, 7588.0, 7596.0, 7604.0, 7612.0, 7620.0, 7628.0, 7636.0, 7644.0, 7652.0, 7660.0, 7668.0, 7676.0, 7684.0, 7692.0, 7700.0, 7708.0, 7716.0, 7724.0, 7732.0, 7740.0, 7748.0, 7756.0, 7764.0, 7772.0, 7780.0, 7788.0, 7796.0, 7804.0, 7812.0, 7820.0, 7828.0, 7836.0, 7844.0, 7852.0, 7860.0, 7868.0, 7876.0, 7884.0, 7892.0, 7900.0, 7908.0, 7916.0, 7924.0, 7932.0, 7940.0, 7948.0, 7956.0, 7964.0, 7972.0, 7980.0, 7988.0, 7996.0, 8004.0, 8012.0, 8020.0, 8028.0, 8036.0, 8044.0, 8052.0, 8060.0, 8068.0, 8076.0, 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