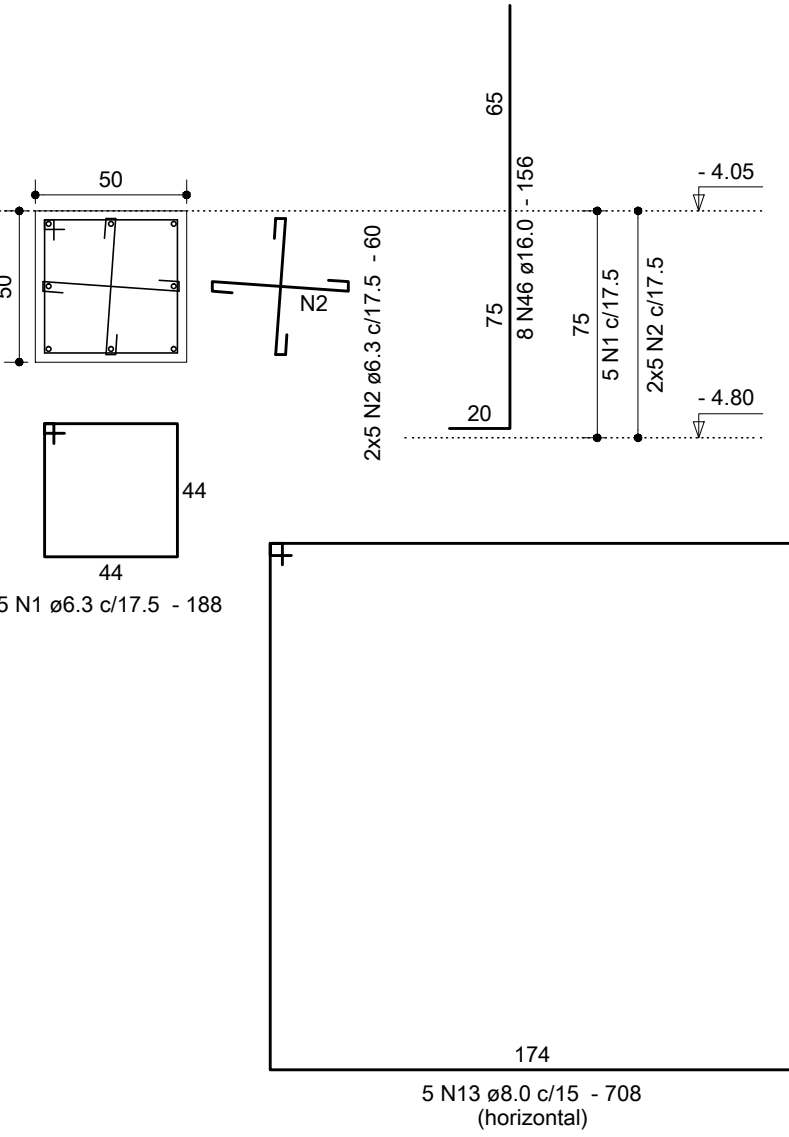
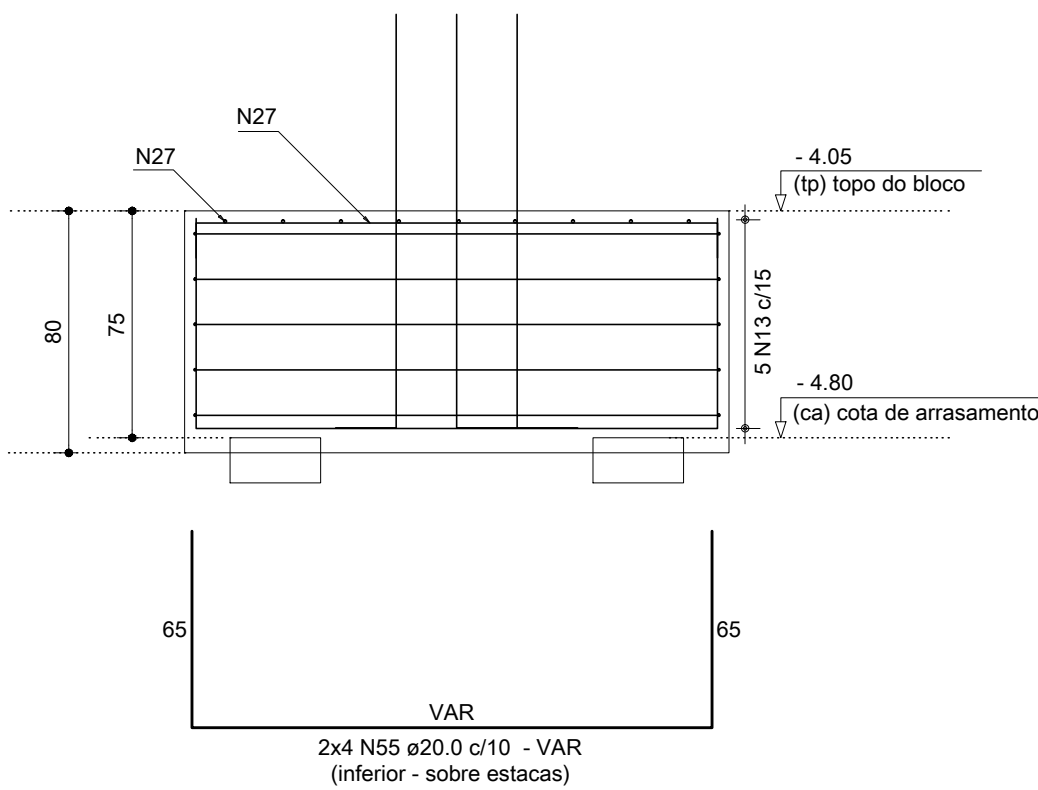
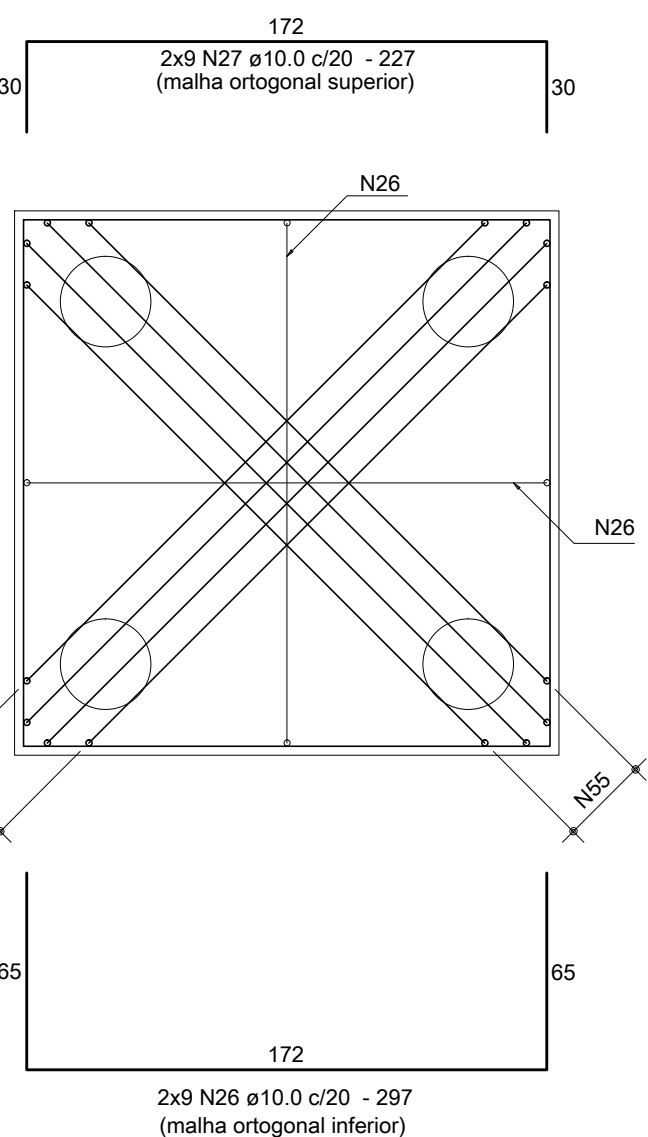


P90=P91=P92=P93=P94=P95=P123=P125=P126=P127=P129=P130=P132=P133=P134=P135=P136=P137=P141=P142=P143=P144=P145=P146=P147=P149=P150=P151=P154=P156=P157=P158=P174=P181=P185=P197=P202=P209=P213=P218=P219=P225=P226=P227=P228=P229=P230=P232=P233=P234=P236=P237=P238=P252=P261=P265=P270=P271=P273=P311=P312=P313=P314=P315=P316=P318=P319=P320=P323=P325=P326=P327=P334=P339=P341=P342=P343=P359=P360=P361=P371=P391=P393=P394=P398=P399=P401=P402=P403 (89x)

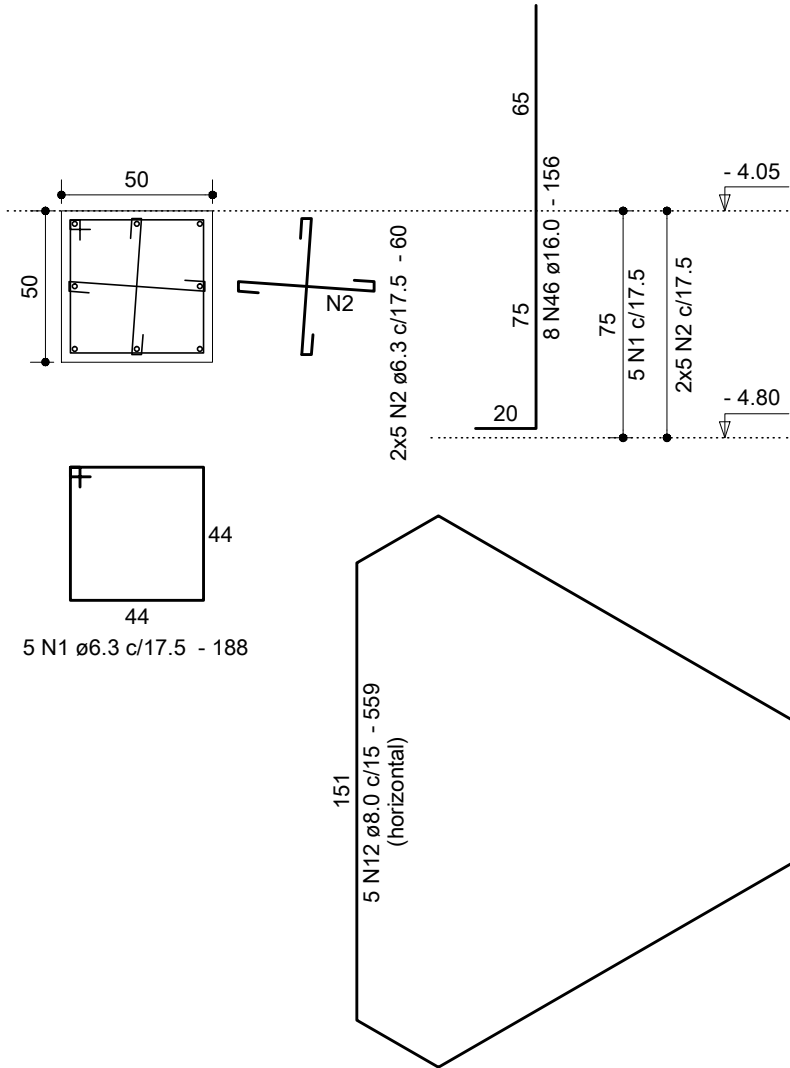


B127=B129=B130=B132=B133=B134=B135=B136=B137=B141=B142=B143=B144=B145=B146=B147=B149=B150=B151=B154=B156=B157=B158=B174=B181=B185=B197=B202=B209=B213=B218=B219=B225=B226=B227=B228=B229=B230=B232=B233=B234=B236=B237=B238=B252=B261=B265=B270=B271=B273=B311=B312=B313=B314=B315=B316=B318=B319=B320=B323=B325=B326=B327=B334=B339=B341=B342=B343=B359=B360=B361=B371=B391=B393=B394=B398=B399=B401=B402=B403 (89x)

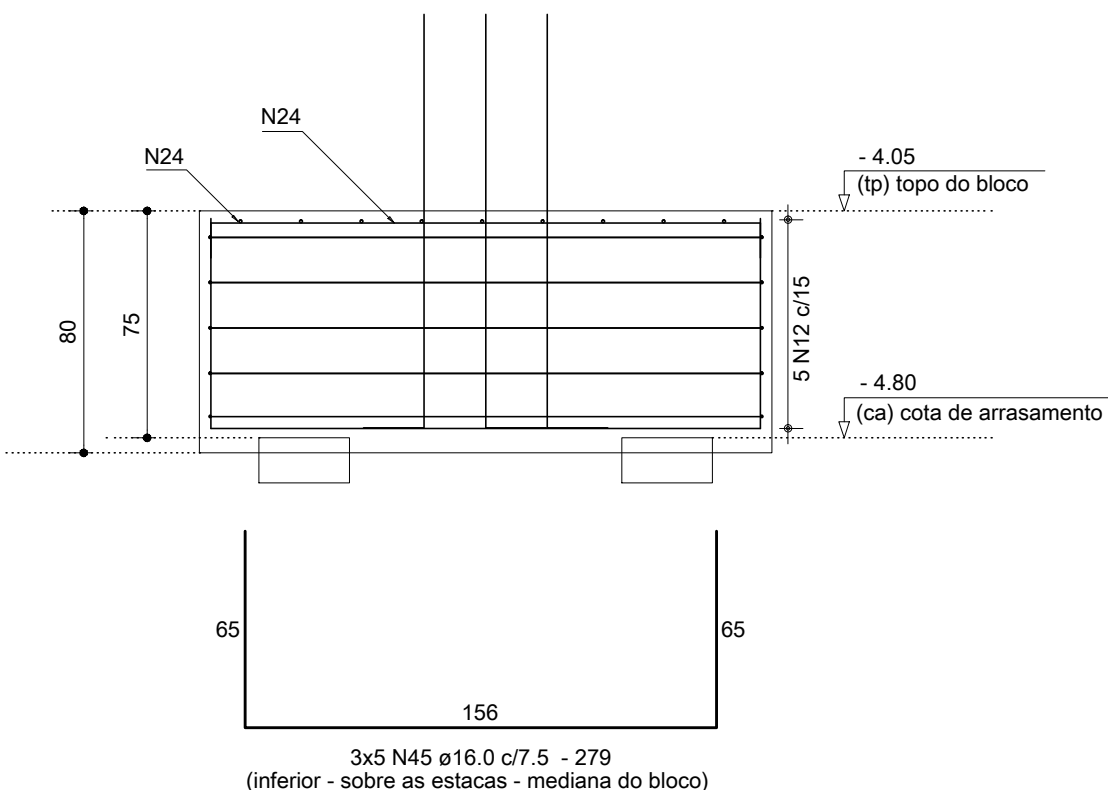
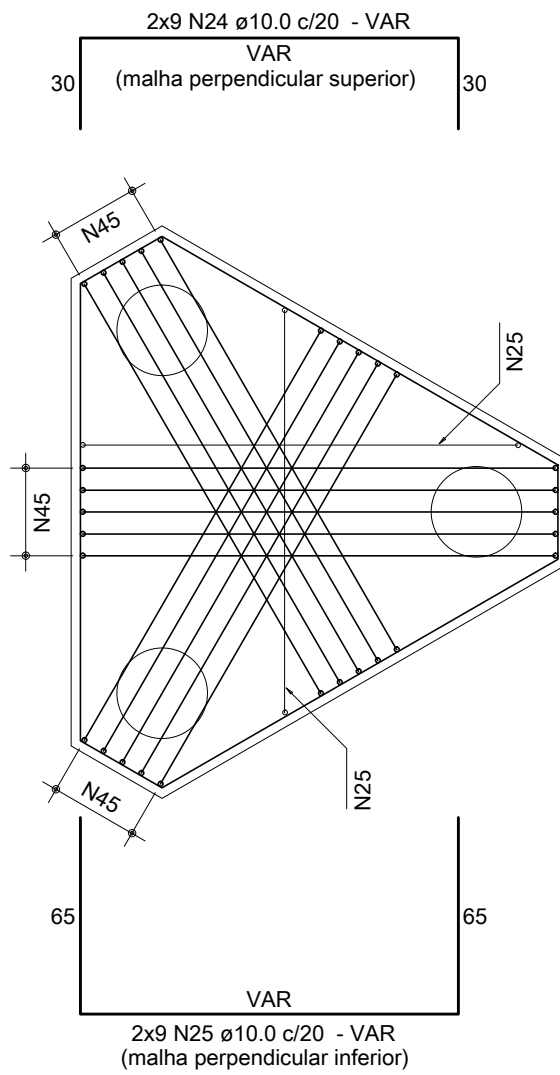
4ø30



P118=P169 (2x)



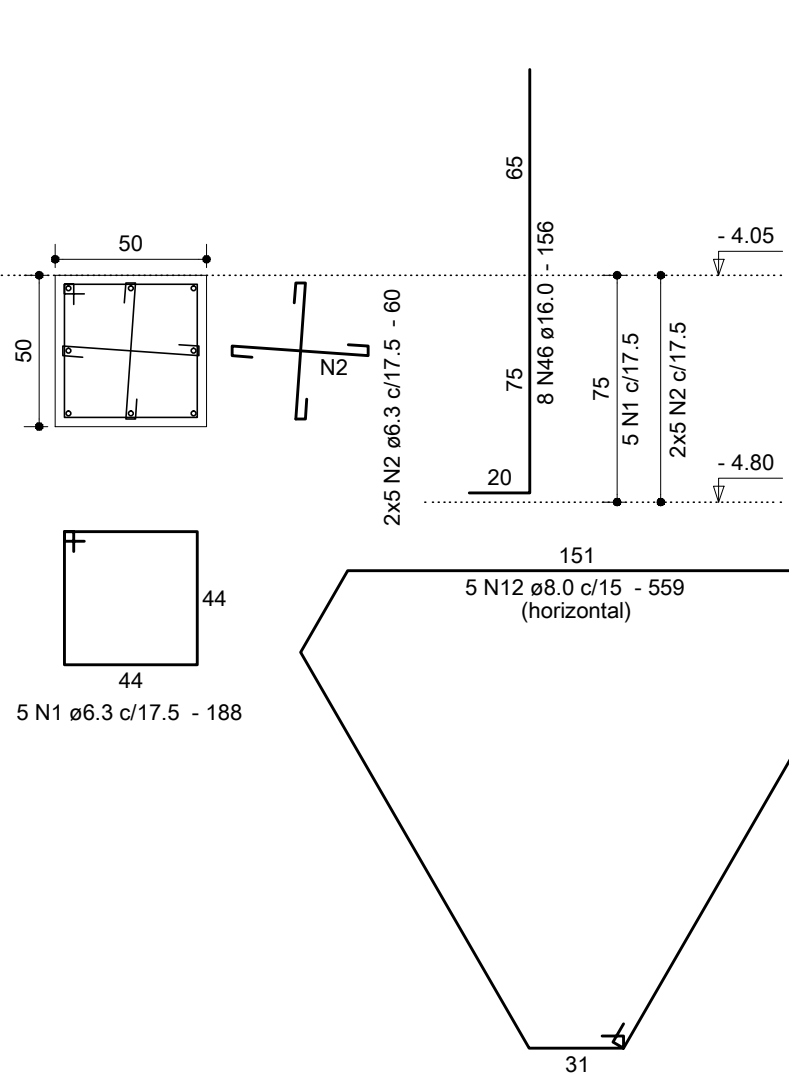
B118=B169 (2x)
3ø30



Relação do aço					
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	805	188	151340
	2	6.3	1610	60	96600
	12	8.0	360	559	201240
	13	8.0	445	708	315060
	24	10.0	1296	VAR	VAR
	25	10.0	1296	VAR	VAR
	26	10.0	1602	297	475794
	27	10.0	1602	227	363654
	16.0	1288	156	200928	
	45	16.0	1080	279	301320
	55	20.0	712	VAR	VAR

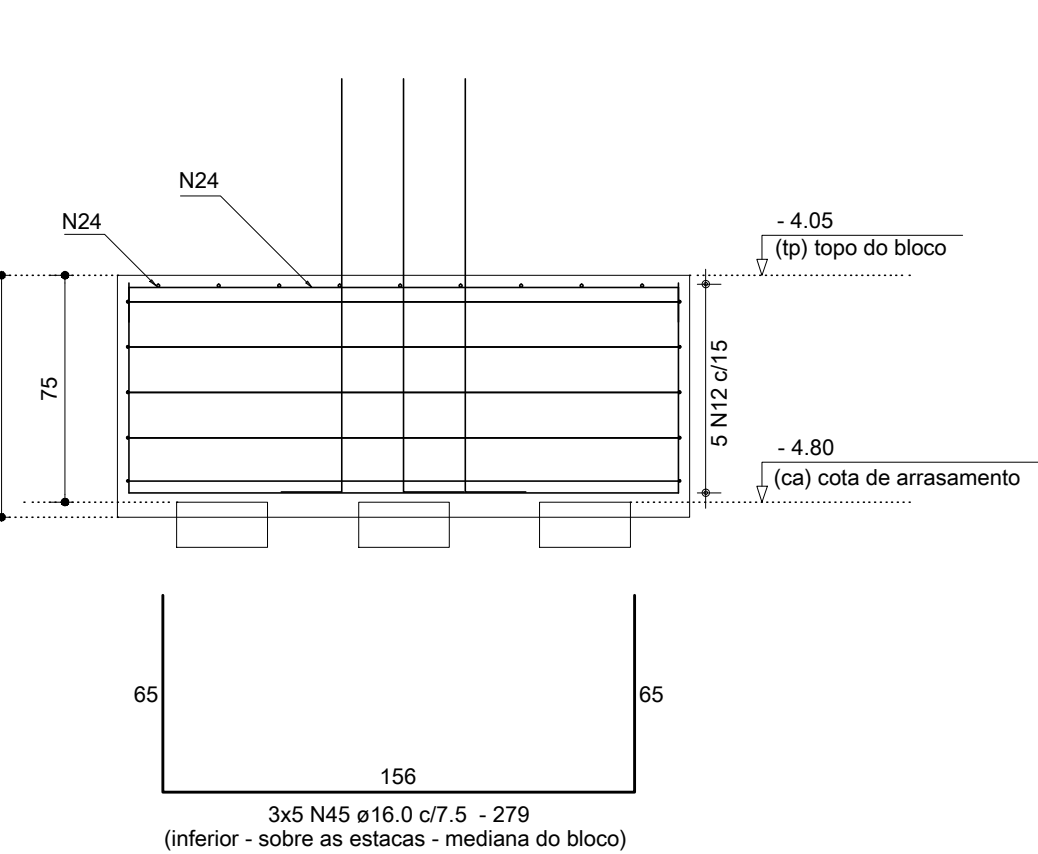
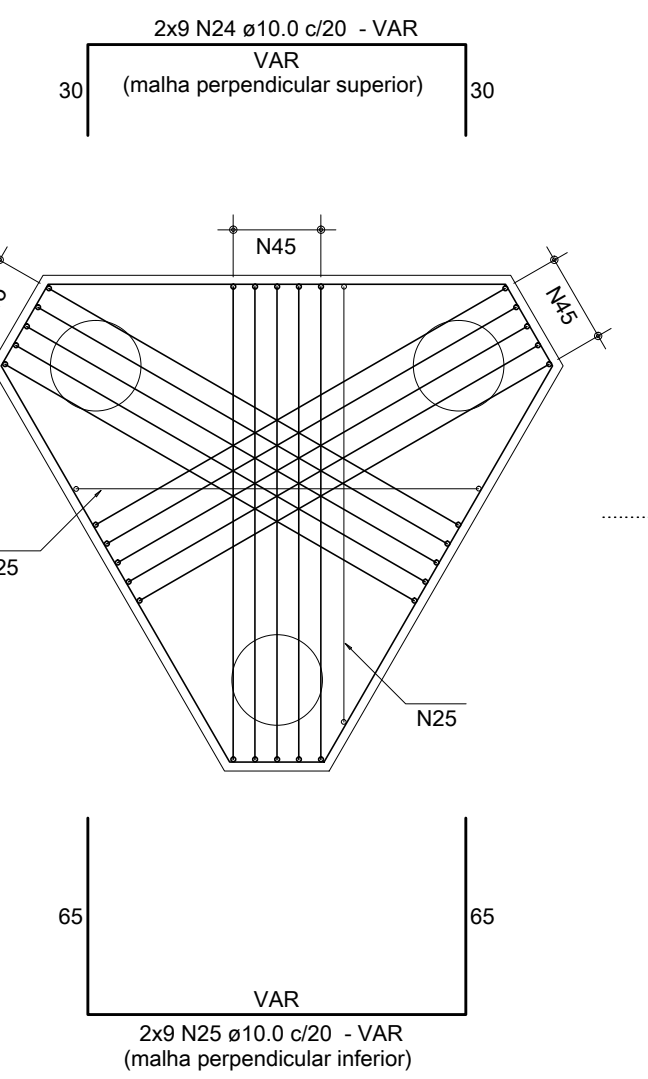
Resumo dos materiais			
AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	2479.4	606.7
	8.0	5163	2037.2
	10.0	13967.3	8611.4
	16.0	5022.5	7927.2
	20.0	2064.8	5092.1
PESO TOTAL (kg)		Vol. concreto = 339.40 m³	
CA50		Área formas = 829.01 m²	

P119=P120=P121=P122=P128=P152=P153=P170=P171=P172=P173=P176=P177=P178=P179=P180=P183=P184=P198=P199=P200=P201=P204=P205=P206=P207=P208=P211=P212=P217=P220=P275=P276 (33x)

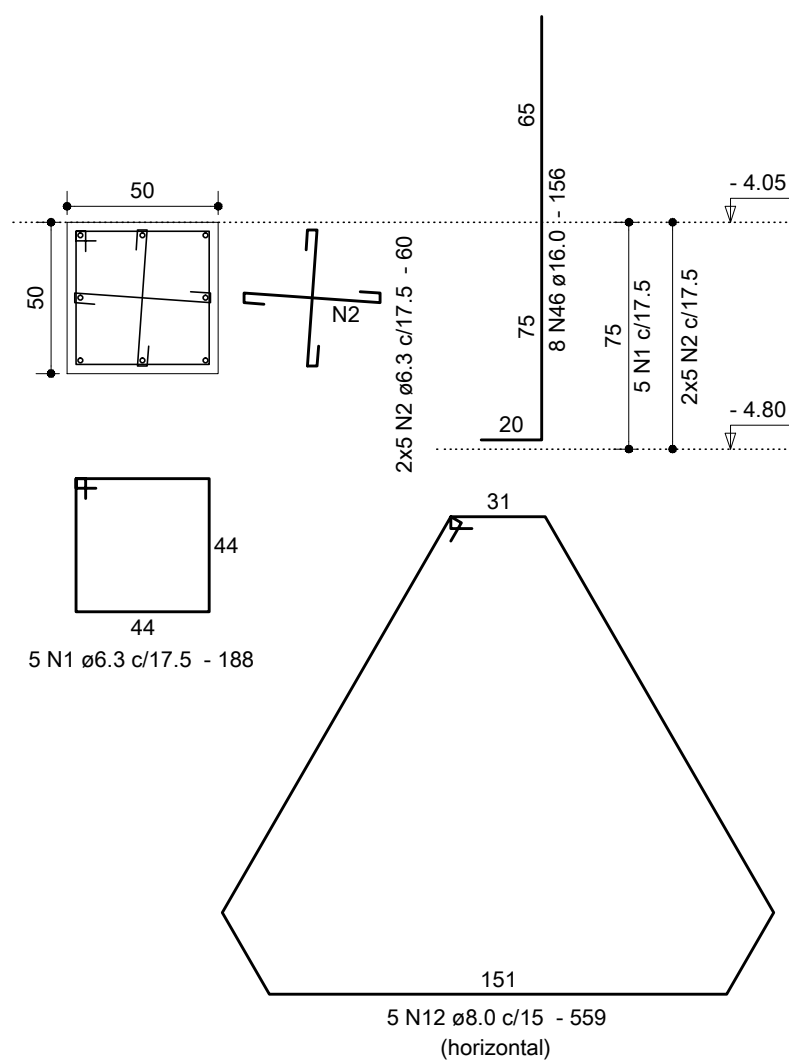


B119=B120=B121=B122=B128=B152=B153=B170=B171=B172=B173=B176=B177=B178=B179=B180=B183=B184=B198=B199=B200=B201=B204=B205=B206=B207=B208=B211=B212=B217=B220=B275=B276 (33x)

3ø30

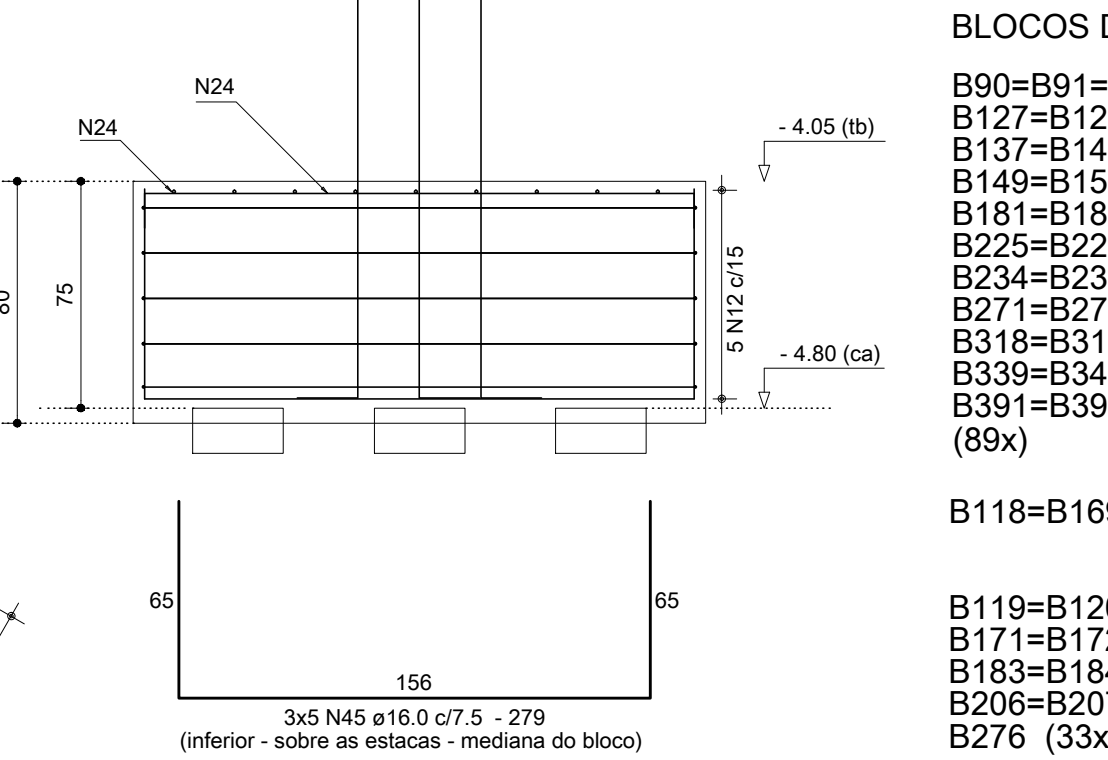
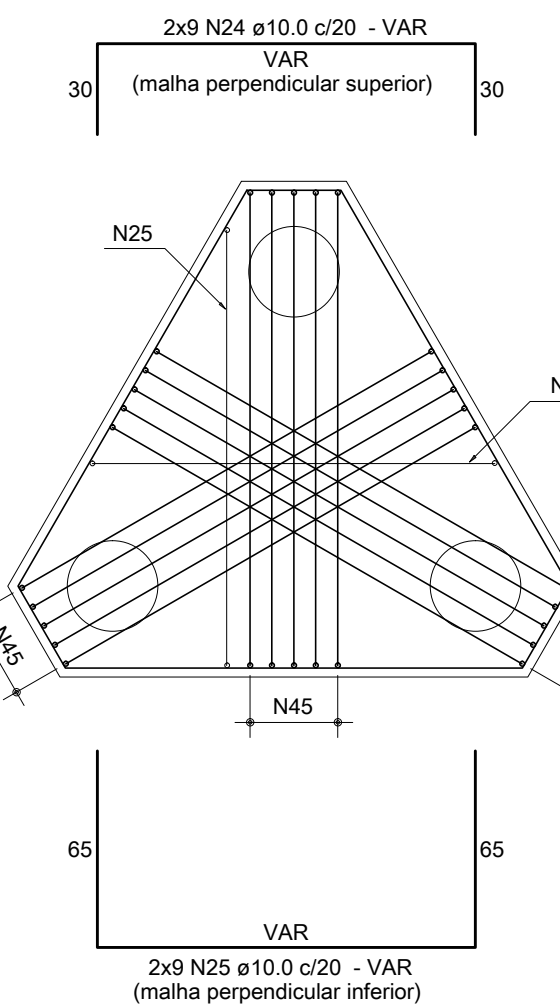


P243=P253=P254=P255=P256=P257=P259=P260=P263=P264=P321=P322=P335=P336=P337=P338=P344=P345=P346=P348=P349=P350=P355=P356=P357=P372=P373=P374=P375=P376=P378=P379=P380=P390=P395=P396=P397 (37x)



B243=B253=B254=B255=B256=B257=B259=B260=B263=B264=B321=B322=B335=B336=B337=B338=B344=B345=B346=B348=B349=B350=B355=B356=B357=B372=B373=B374=B375=B376=B378=B379=B380=B390=B395=B396=B397 (37x)

3ø30



BLOCOS DO DESENHO:

B90=B91=B92=B93=B94=B95=B123=B125=B126=B127=B129=B130=B132=B133=B134=B135=B136=B137=B141=B142=B143=B144=B145=B146=B147=B149=B150=B151=B154=B156=B157=B158=B174=B181=B185=B197=B202=B209=B213=B218=B219=B225=B226=B227=B228=B229=B230=B232=B233=B234=B236=B237=B238=B252=B261=B265=B270=B271=B273=B311=B312=B313=B314=B315=B316=B318=B319=B320=B323=B325=B326=B327=B334=B339=B341=B342=B343=B359=B360=B361=B371=B391=B393=B394=B398=B399=B401=B402=B403 (89x)

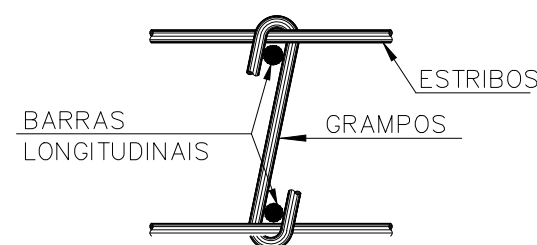
B118=B169 (2x)

B119=B120=B121=B122=B128=B152=B153=B170=B171=B172=B173=B176=B177=B178=B179=B180=B183=B184=B198=B199=B200=B201=B204=B205=B206=B207=B208=B211=B212=B217=B220=B275=B276 (33x)

B243=B253=B254=B255=B256=B257=B259=B260=B263=B264=B321=B322=B335=B336=B337=B338=B344=B345=B346=B348=B349=B350=B355=B356=B357=B372=B373=B374=B375=B376=B378=B379=B380=B390=B395=B396=B397 (37x)

Anotações:

Detalhe dos grampos:

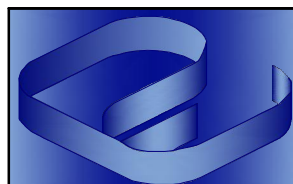


DIÂMETRO (Ø) DOS PINOS DE DOBRAMENTO PARA GANCHOS		
BITOLA (Ø)	CA50	CA60
<20mm	5x2	6x2
≥20mm	8x2	—
est/bo ≤10mm	3x2	3x2
NBR6118:2003 (Items 9.4.2.3 e 9.4.6.1)		

Notas:

01 NBR6118:2007 - Classe de Agressividade Ambiental = II.
02 NBR6118:2007 - Concreto com fck=25MPa - Aço CA-50.
03 NBR6118:2007 - Cobrimento para arranques e blocos: 3,0cm.
04 Unidades: diâmetro do aço em milímetro; espaçamento e comprimento em centímetro;
05 Para definição de formas e níveis consultar planta geral das fundações (FOR 01).
06 Os desenhos de armações dos arranques de pilares e blocos, acompanham o posicionamento definido na planta de formas FOR 01.

00	05/05/12	Emissão inicial.	Dionísio
REVISÃO	DATA	MODIFICAÇÕES	RESP.



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IMB/FAU - Professor
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dionisio@progerengenharia.com.br
http://www.progerengenharia.com.br

CLIENTE:	PÁTIOMIX LINHARES SHOPPING CENTER SPE S.A.	DESENHO:	407_emo1_08_0.dwg
OBRA:	SHOPPING PÁTIOMIX LINHARES Linhares - ES	ESCALA:	1:25
		DATA - REVISÃO:	05/05/12 - RO
PROJETO ESTRUTURAL	ARRANQUES/BLOCOS - PILARES MOLDADOS "IN LOCO" - 02/10	PROJETO:	E407
	BLOCOS DO SUBSOLO (ÁREA CENTRAL DO ESTACIONAMENTO)		
	ARMAÇÕES		ARMOI-08