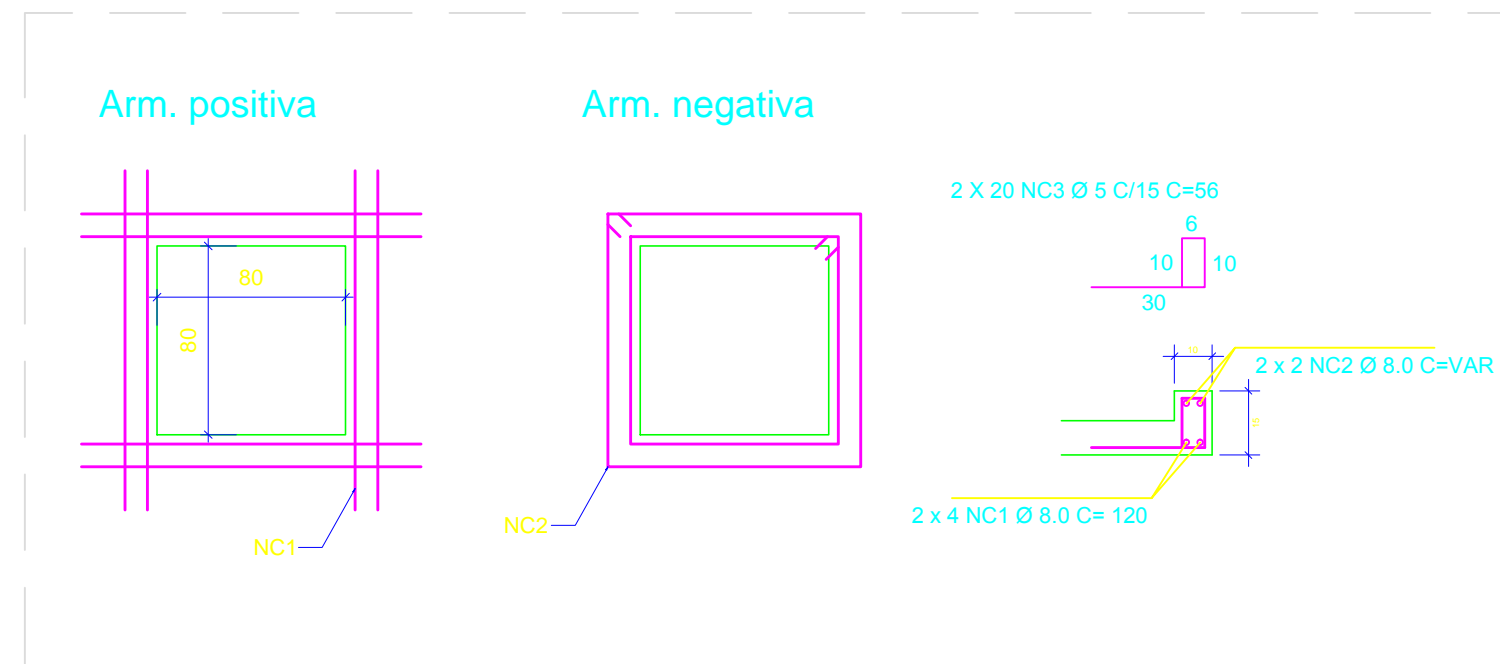
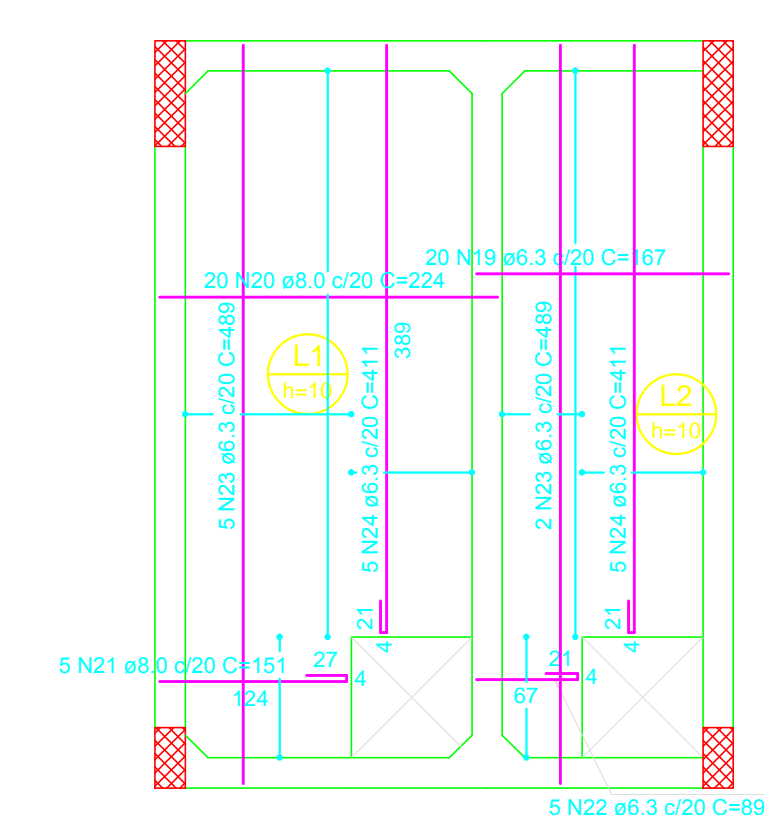
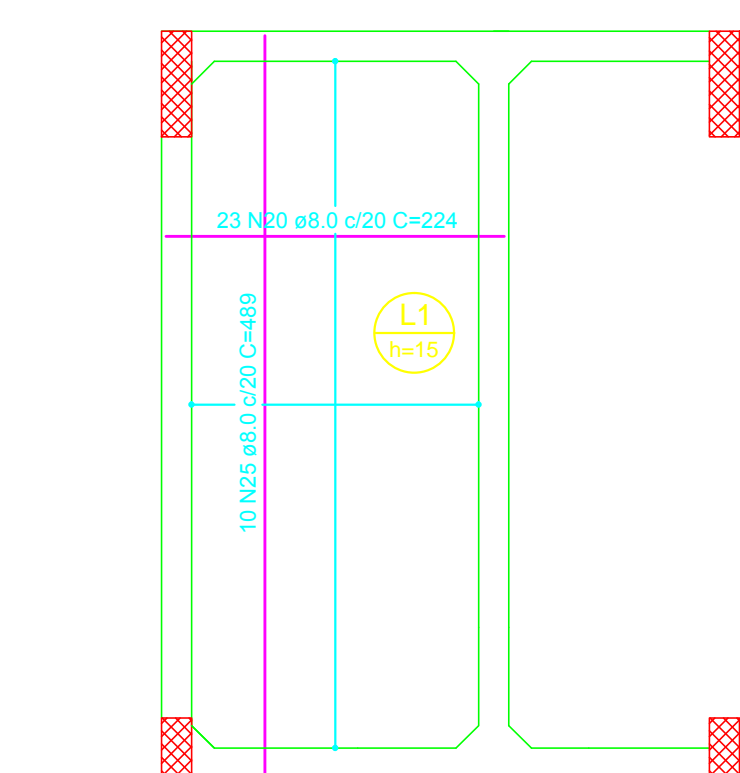
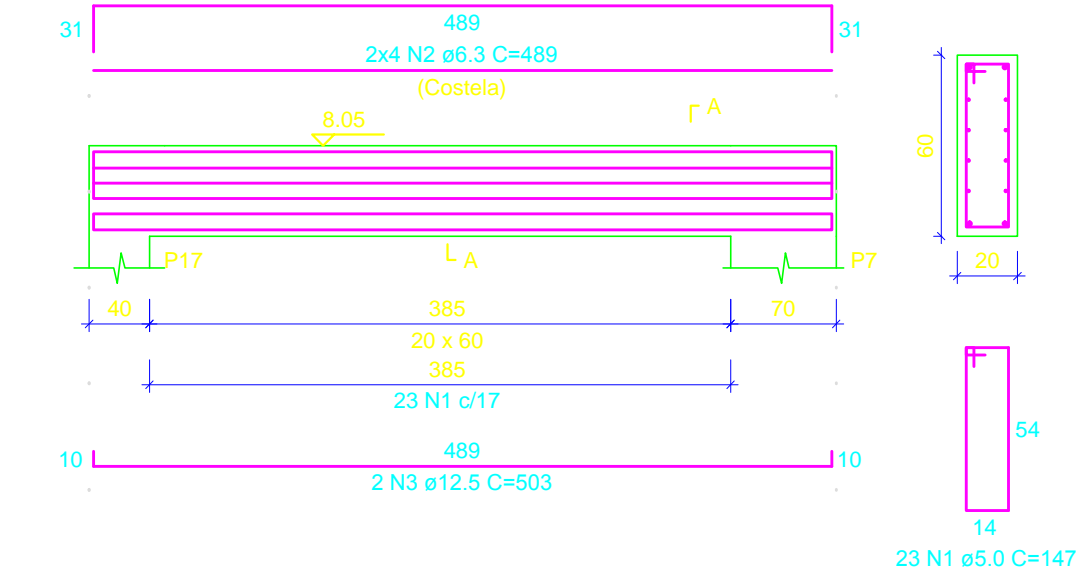
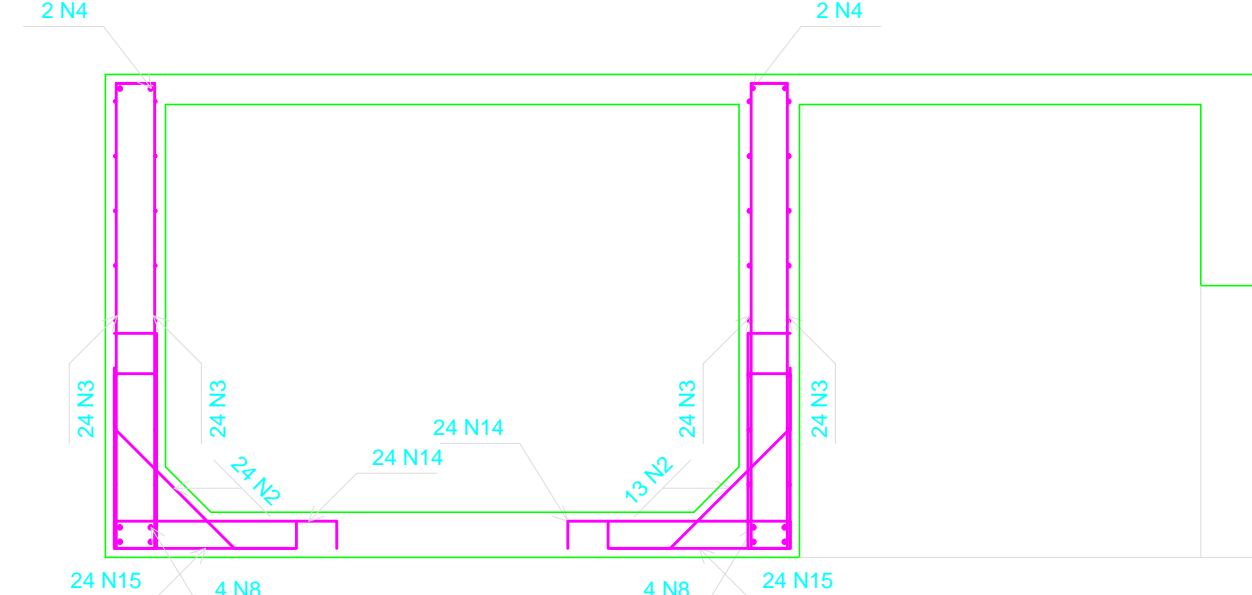
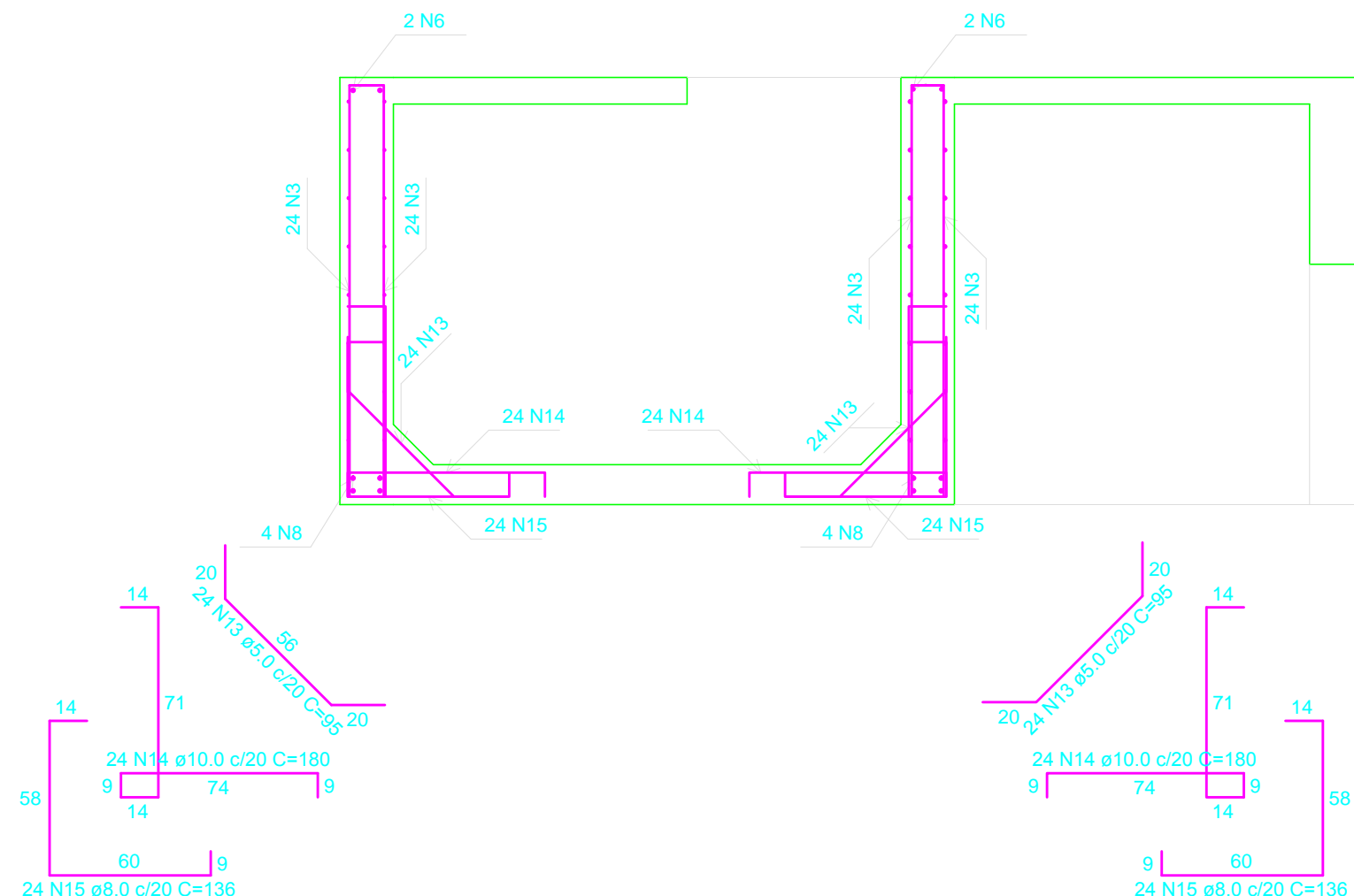
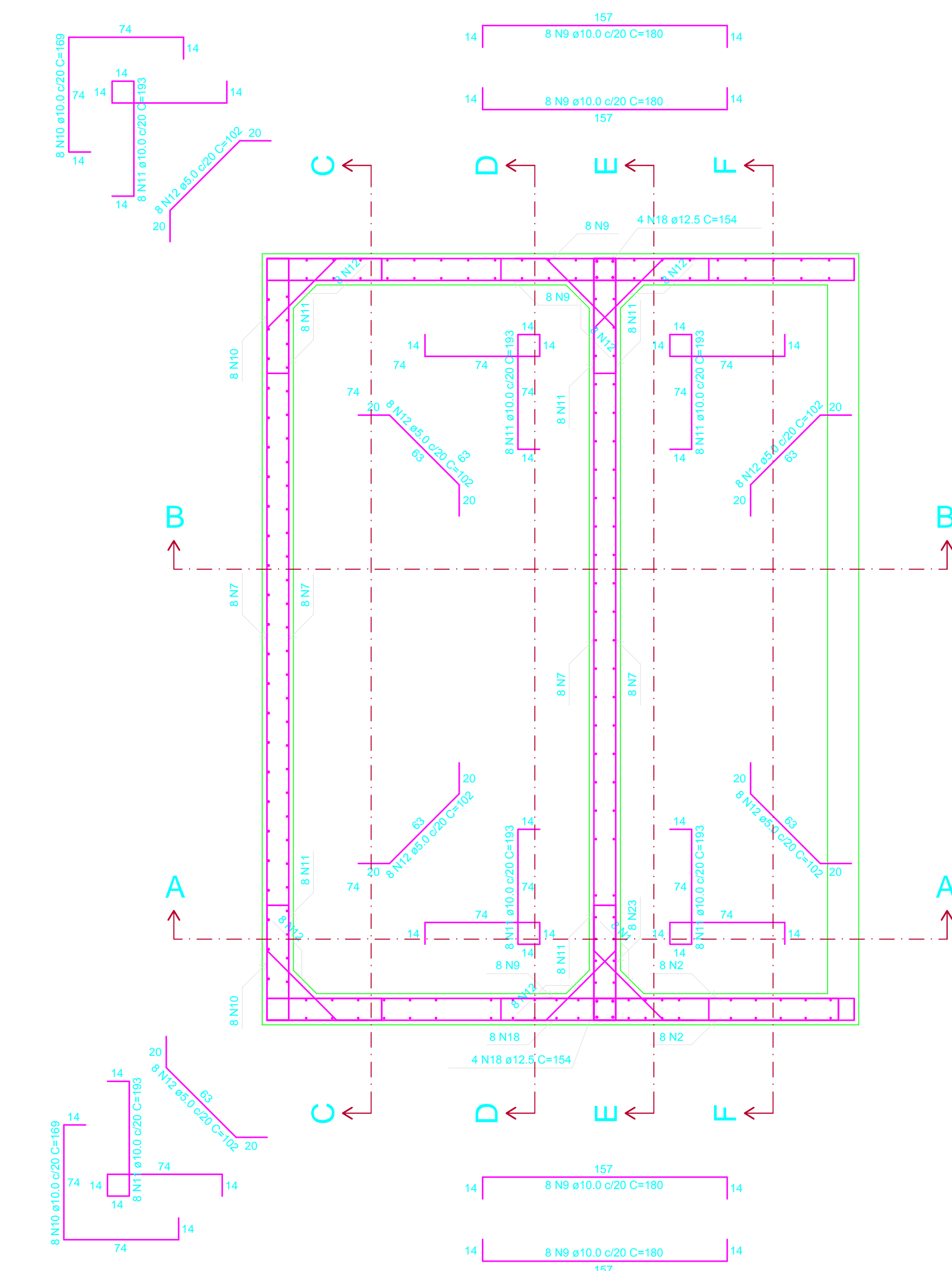


Volume de concreto (C-30) = 7.51 m³
Área de forma = 74.45 m²



ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
Positivo	CA50	1	8,0	8	120	960
		2	8,0	4	VAR	1440
		3	5,0	40	56	2600


Volume de concreto (C-30) = 0,036 m³
Área de forma = 0,36 m²



CONVENÇÃO DOS PILARES

CONVENÇÃO DAS VIGAS E PAREDES

NOTAS

- 1- Fck = 30 Mpa;
- 2- Aço CA-50; CA-60;
- 3- Cotas em centímetros;
- 4- Observar o ponto de mudança fixa na seção dos pilares;
- 5- Ver variação das dimensões dos pilares nas pranchas de detalhes de pilares;
- 6- Atender a todas as exigências da NBR 6118/NBR 14931;
- 7- Fck mínimo de deformação = 20 Mpa;
- 8- Reforçar o encorreamento após 28 dias de sua concretagem, observando a cura do concreto de pelo menos 14 dias;
- 9- Manter encorreamento até o andar abaixo, durante a concretagem e cura das vigas e lajes do andar acima;
- 10- Seguir RGROSGRANTALINE, a distribuição das contra-feridas;
- 11- Diâmetro máximo do agregado grão >= 15mm;
- 12- Sentido das nervuras = 
- 13- Aplicar as contra-feridas (C.F.) indicadas no projeto e nas lajes com vãos maiores que 3,00m (C.F. 10mm) e 4,00m (C.F. 15mm).

REVISÕES DA PRANCHA			
Nº	COMENTÁRIO	AUTOR	DATA
01	Versão original - Detalhamento em conformidade com os aspectos construtivos	Pablo Ferreira	23/06/2021

ASSINATURA DO RESPONSÁVEL TÉCNICO

ASSINATURA DO RESPONSÁVEL DA INSTITUIÇÃO

PRANCHA	PROJETO: Projeto Estrutural do Refeitório do Campus de Guaratuba do IFPB				
22/22	PROPRIETÁRIO: IFPB - Campus Guaratuba				
ENDEREÇO: Rua Professor Carlos Leonardo Azevedo, s/n, Rodovia PB-057 - KM02					
DATA	RESPONSÁVEL	CREA	RUBRICA	OBSERVAÇÕES:	
DESENHO 02/02/21	Paulo Ferreira - Eng. civil	16026094-6/15		Verificar todas as medidas no local.	
02/02/21	Paulo Ferreira - Eng. civil	16026094-6/15		Verificar se o projeto corresponde ao responsável técnico habilitado.	
<p>ESCALA:</p> <p>1:100</p> <p>1:200</p> <p>1:400</p> <p>1:800</p> <p>1:150</p> <p>1:300</p> <p>1:600</p> <p>1:1200</p> <p>1:2400</p> <p>1:4800</p> <p>1:9600</p> <p>1:19200</p> <p>1:38400</p> <p>1:76800</p> <p>1:153600</p> <p>1:307200</p> <p>1:614400</p> <p>1:1228800</p> <p>1:2457600</p> <p>1:4915200</p> <p>1:9830400</p> <p>1:19660800</p> <p>1:39321600</p> <p>1:78643200</p> <p>1:157286400</p> <p>1:314572800</p> <p>1:629145600</p> <p>1:1258291200</p> <p>1:2516582400</p> <p>1:5033164800</p> <p>1:10066329600</p> <p>1:20132659200</p> <p>1:40265318400</p> <p>1:80530636800</p> <p>1:161061273600</p> <p>1:322122547200</p> <p>1:644245094400</p> <p>1:1288490188800</p> <p>1:2576980377600</p> <p>1:5153960755200</p> <p>1:10307921510400</p> <p>1:20615843020800</p> <p>1:41231686041600</p> <p>1:82463372083200</p> <p>1:164926744166400</p> <p>1:329853488332800</p> <p>1:659706976665600</p> <p>1:1319413953331200</p> <p>1:2638827906662400</p> <p>1:5277655813324800</p> <p>1:10555311626649600</p> <p>1:21110623253299200</p> <p>1:42221246506598400</p> <p>1:84442493013196800</p> <p>1:168884986026393600</p> <p>1:337769972052787200</p> <p>1:675539944105574400</p> <p>1:1351079888211148800</p> <p>1:2702159776422297600</p> <p>1:5404319552844595200</p> <p>1:1080863910568918400</p> <p>1:2161727821137836800</p> <p>1:4323455642275673600</p> <p>1:8646911284551347200</p> <p>1:17293822569102694400</p> <p>1:34587645138205388800</p> <p>1:69175290276410777600</p> <p>1:138350580552821555200</p> <p>1:276701161105643110400</p> <p>1:553402322211286220800</p> <p>1:1106804644422572441600</p> <p>1:2213609288845144883200</p> <p>1:4427218577690289766400</p> <p>1:8854437155380579532800</p> <p>1:17708874310761159065600</p> <p>1:35417748621522318131200</p> <p>1:70835497243044636262400</p> <p>1:141670994486089272524800</p> <p>1:283341988972178545049600</p> <p>1:566683977944357090099200</p> <p>1:1133367955888714180198400</p> <p>1:2266735911777428360396800</p> <p>1:4533471823554856720793600</p> <p>1:9066943647109713441587200</p> <p>1:18133887294219426883174400</p> <p>1:36267774588438853766348800</p> <p>1:72535549176877707532697600</p> <p>1:145071093553755415065395200</p> <p>1:290142187107510830130790400</p> <p>1:580284374215021660261580800</p> <p>1:1160568748430043320523161600</p> <p>1:2321137496860086641046323200</p> <p>1:4642274993720173282092646400</p> <p>1:9284549987440346564185292800</p> <p>1:18569099954880693128370585600</p> <p>1:37138199909761386256741171200</p> <p>1:74276399819522772513482342400</p> <p>1:14855279963904554502696468800</p> <p>1:29710559927809109005392937600</p> <p>1:59421119855618218010785875200</p> <p>1:118842239711236436021571750400</p> <p>1:237684479422472872043143500800</p> <p>1:475368958844945744086287001600</p> <p>1:950737917689891488172574003200</p> <p>1:190147583537978297634514806400</p> <p>1:380295167075956595269029612800</p> <p>1:760590334151913190538059225600</p> <p>1:1521180668303826381076118451200</p> <p>1:3042361336607652762152236902400</p> <p>1:6084722673215305524304473804800</p> <p>1:12169445346430611048608947609600</p> <p>1:24338890692861222097217895219200</p> <p>1:48677781385722444194435790438400</p> <p>1:97355562771444888388871580876800</p> <p>1:194711125542889776777743161753600</p> <p>1:389422251085779553555486323507200</p> <p>1:778844502171559107111092647014400</p> <p>1:1557689043431118142222185294028800</p> <p>1:3115378086862236284444370588057600</p> <p>1:6230756173724472568888741176011200</p> <p>1:1246151234744894513777748232022400</p> <p>1:2492302469489789027555496464044800</p> <p>1:4984604938979578055110992928089600</p> <p>1:9969209877959156110221985856179200</p> <p>1:1993841975591831222043971712358400</p> <p>1:3987683951183662444087943424716800</p> <p>1:7975367902367324888175886849433600</p> <p>1:15950735804734649776351773698867200</p> <p>1:31901471609469299552703547397734400</p> <p>1:63802943218938599105407094795468800</p> <p>1:127605886437877198210814018990937600</p> <p>1:25521177287575439642162037998187200</p> <p>1:5104235457</p>					